

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021720\
 Data File : VD065210.D
 Acq On : 17 Feb 2020 21:30
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/18/2020 10:58:25 AM

Quant Time: Feb 18 04:10:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	418096	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	626294	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	585122	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	288732	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	203102	57.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.32%	
35) Dibromofluoromethane	7.91	113	202846	58.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.10%	
50) Toluene-d8	10.34	98	767519	55.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.36%	
62) 4-Bromofluorobenzene	12.64	95	249640	56.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	159181	45.752	ug/l	98
3) Chloromethane	2.21	50	209933	51.258	ug/l	95
4) Vinyl Chloride	2.35	62	207784	47.971	ug/l	98
5) Bromomethane	2.77	94	125767	44.781	ug/l	98
6) Chloroethane	2.92	64	131488	48.938	ug/l	97
7) Trichlorofluoromethane	3.27	101	301723	47.866	ug/l	99
8) Diethyl Ether	3.71	74	96373	53.257	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.08	101	189339	49.134	ug/l	99
10) Methyl Iodide	4.30	142	206689	46.992	ug/l	97
11) Tert butyl alcohol	5.24	59	56480	260.142	ug/l	99
12) 1,1-Dichloroethene	4.06	96	182152	49.356	ug/l	92
13) Acrolein	3.93	56	41358	154.875	ug/l	94
14) Allyl chloride	4.71	41	303649	49.505	ug/l	96
15) Acrylonitrile	5.43	53	233282	294.869	ug/l	99
16) Acetone	4.16	43	198142	223.026	ug/l	97
17) Carbon Disulfide	4.40	76	573099	48.364	ug/l	99
18) Methyl Acetate	4.73	43	110131	59.332	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	435873	53.408	ug/l	96
20) Methylene Chloride	4.96	84	221804	57.273	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	215722	51.664	ug/l	95
22) Diisopropyl ether	6.37	45	648174	56.024	ug/l	99
23) Vinyl Acetate	6.31	43	1835702	284.662	ug/l	100
24) 1,1-Dichloroethane	6.27	63	370847	52.956	ug/l	99
25) 2-Butanone	7.22	43	291170	274.751	ug/l	97
26) 2,2-Dichloropropane	7.21	77	298927	47.623	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	233586	52.658	ug/l	98
28) Bromochloromethane	7.55	49	162780	61.319	ug/l	99
29) Tetrahydrofuran	7.57	42	190824	297.755	ug/l	99
30) Chloroform	7.71	83	380078	54.508	ug/l	98
31) Cyclohexane	7.98	56	322674	45.646	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	326451	50.259	ug/l	100
36) 1,1-Dichloropropene	8.11	75	290152	49.823	ug/l	99
37) Ethyl Acetate	7.30	43	132485	55.686	ug/l	99
38) Carbon Tetrachloride	8.10	117	294494	49.513	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	340256	47.335	ug/l	98
40) Benzene	8.36	78	852648	53.020	ug/l	100
41) Methacrylonitrile	7.53	41	75691	57.748	ug/l #	91
42) 1,2-Dichloroethane	8.43	62	243136	53.060	ug/l	98
43) Isopropyl Acetate	8.46	43	245731	53.993	ug/l	98
44) Trichloroethene	9.11	130	227631	49.313	ug/l	97
45) 1,2-Dichloropropane	9.39	63	220392	57.159	ug/l	99
46) Dibromomethane	9.48	93	113922	56.227	ug/l	98
47) Bromodichloromethane	9.67	83	296373	55.515	ug/l	99
48) Methyl methacrylate	9.46	41	120425	54.988	ug/l	95
49) 1,4-Dioxane	9.47	88	27223	1134.395	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	655864	292.778	ug/l	99
52) Toluene	10.41	92	546643	53.258	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	279353	53.744	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	332877	53.546	ug/l	96
55) 1,1,2-Trichloroethane	10.81	97	161295	58.039	ug/l	97
56) Ethyl methacrylate	10.67	69	199829	56.829	ug/l	96
57) 1,3-Dichloropropane	10.95	76	276286	56.537	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	300184	265.388	ug/l	100
59) 2-Hexanone	10.99	43	451020	284.242	ug/l	98
60) Dibromochloromethane	11.14	129	206955	57.493	ug/l	100
61) 1,2-Dibromoethane	11.25	107	151861	55.924	ug/l	100
64) Tetrachloroethene	10.88	164	198535	47.221	ug/l	97
65) Chlorobenzene	11.67	112	573744	50.697	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	216594	51.855	ug/l	99
67) Ethyl Benzene	11.75	91	1009630	49.104	ug/l	99
68) m/p-Xylenes	11.86	106	785831	100.136	ug/l	100
69) o-Xylene	12.18	106	357568	50.598	ug/l	98
70) Styrene	12.20	104	636859	51.851	ug/l	99
71) Bromoform	12.37	173	121119	53.873	ug/l	98
73) Isopropylbenzene	12.48	105	943066	47.588	ug/l	100
74) N-amyl acetate	12.30	43	223385	51.860	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	173694	55.690	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	114739m	52.488	ug/l	
77) Bromobenzene	12.77	156	237556	49.753	ug/l	98
78) n-propylbenzene	12.83	91	1143253	49.261	ug/l	99
79) 2-Chlorotoluene	12.91	91	629501	48.661	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	789135	48.674	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	56784	51.950	ug/l	97
82) 4-Chlorotoluene	13.01	91	670175	49.327	ug/l	99
83) tert-Butylbenzene	13.23	119	655839	46.888	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	792209	49.219	ug/l	100
85) sec-Butylbenzene	13.41	105	921505	48.237	ug/l	99
86) p-Isopropyltoluene	13.53	119	865888	48.783	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	446795	49.979	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	439651	49.412	ug/l	99
89) n-Butylbenzene	13.86	91	785302	47.934	ug/l	100
90) Hexachloroethane	14.12	117	170536	50.739	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	390371	50.981	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	25909	50.887	ug/l	92

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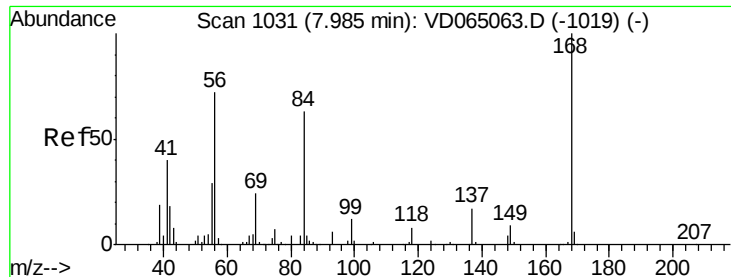
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	259867	47.483	ug/l	99
94) Hexachlorobutadiene	15.28	225	151304	44.963	ug/l	99
95) Naphthalene	15.41	128	458535	50.409	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	228595	48.832	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 418096

Ion Ratio Lower Upper

168 100

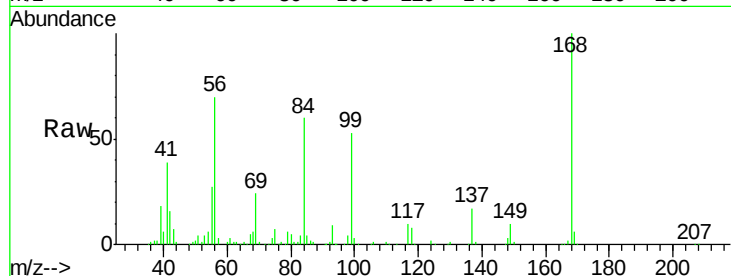
99 52.5 41.0 61.6

Manual Integrations

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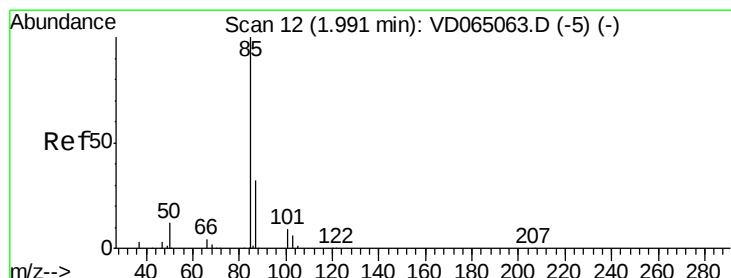
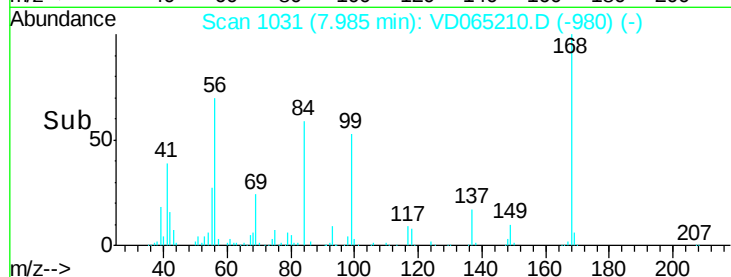
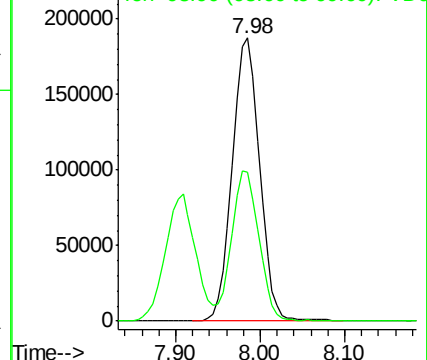
MMDadoda

2/18/2020 10:58:25 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 45.752 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065210.D

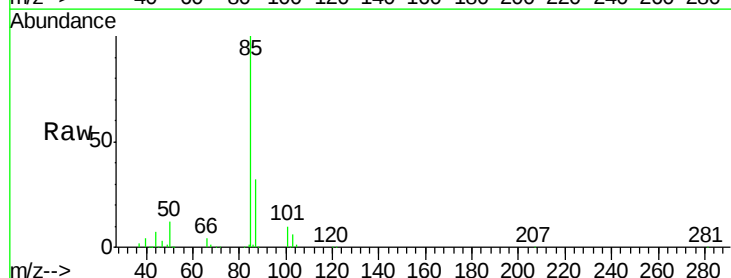
Acq: 17 Feb 2020 21:30

Tgt Ion: 85 Resp: 159181

Ion Ratio Lower Upper

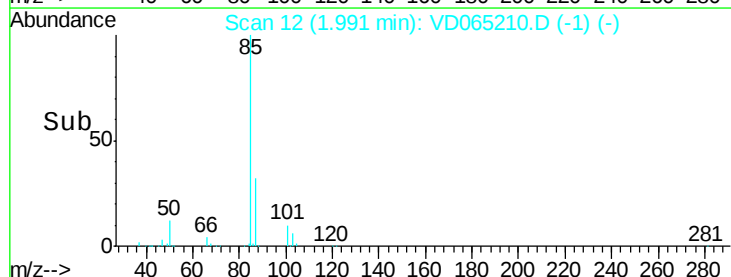
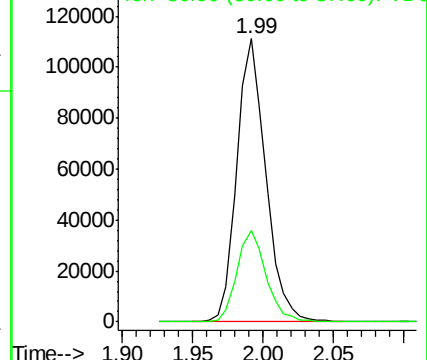
85 100

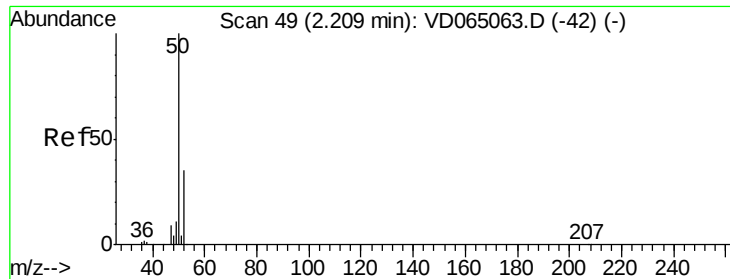
87 32.5 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 51.258 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 209933

Ion Ratio Lower Upper

50 100

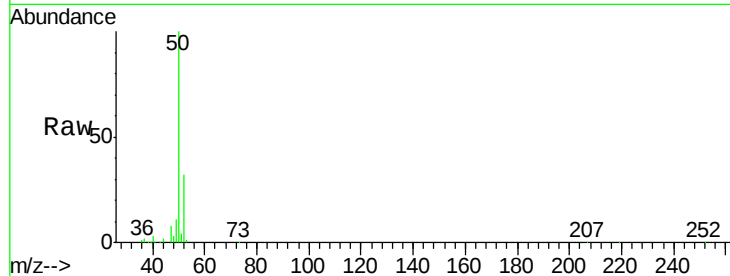
52 31.9 27.8 41.6

Manual Integrations

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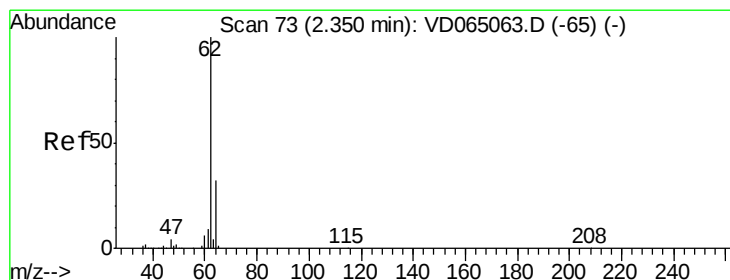
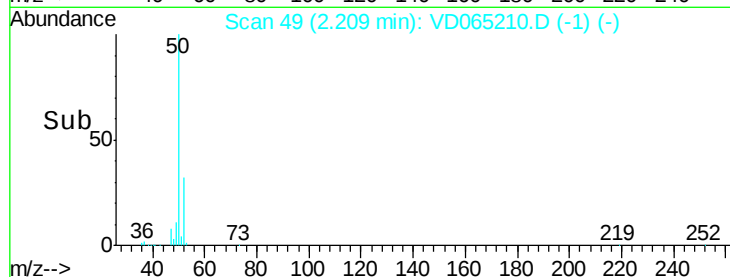
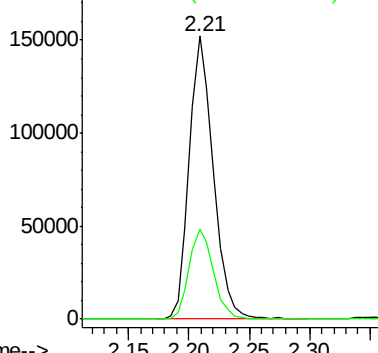
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 47.971 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065210.D

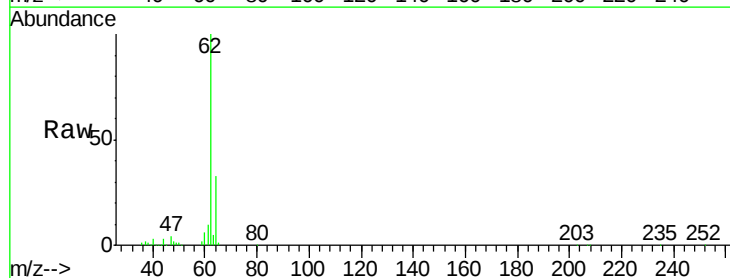
Acq: 17 Feb 2020 21:30

Tgt Ion: 62 Resp: 207784

Ion Ratio Lower Upper

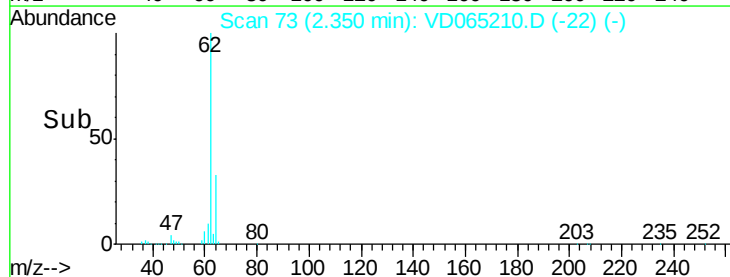
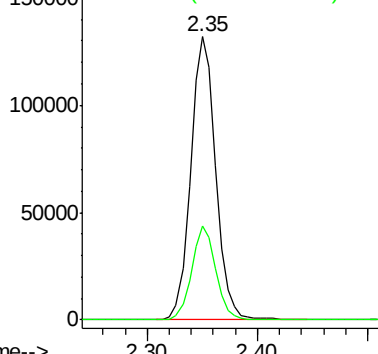
62 100

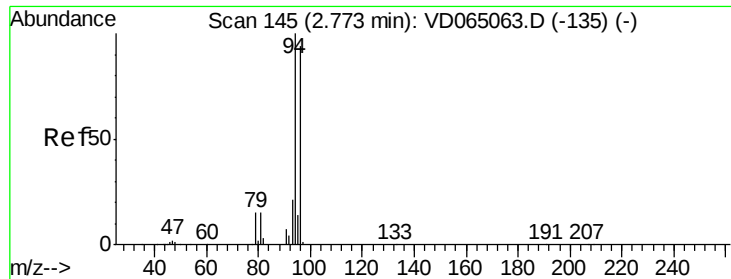
64 33.3 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 44.781 ug/l

RT: 2.77 min Scan# 145

Delta R.T. -0.00 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 125767

Ion Ratio Lower Upper

94 100

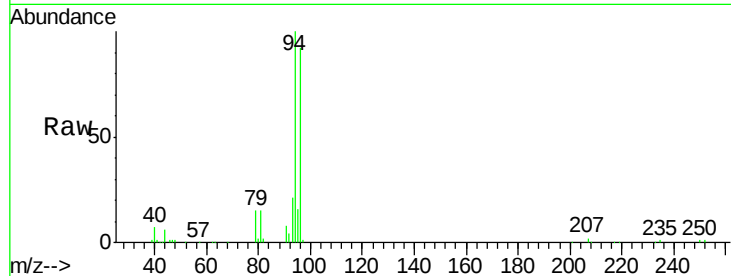
96 92.0 75.4 113.0

Manual Integrations

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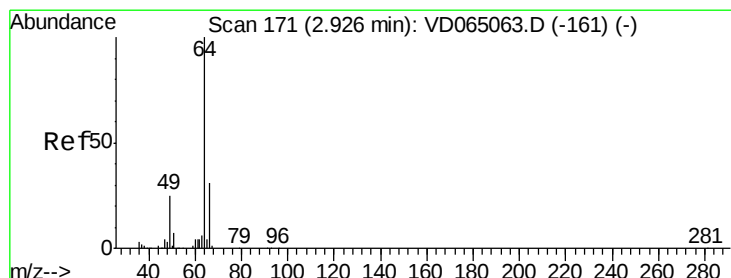
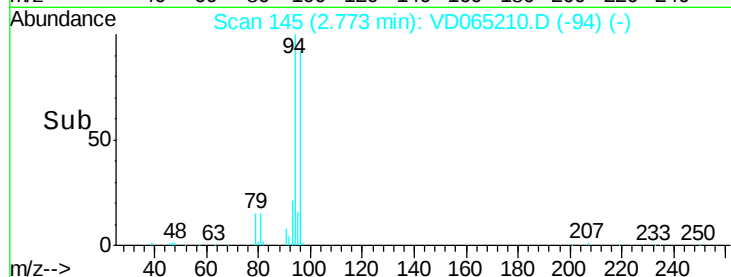
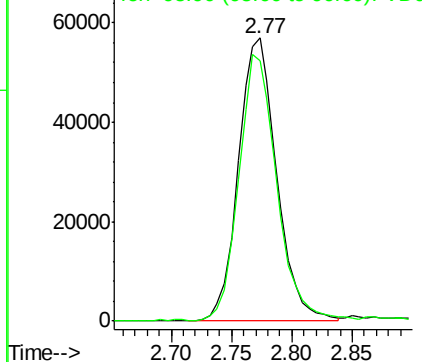
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 48.938 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065210.D

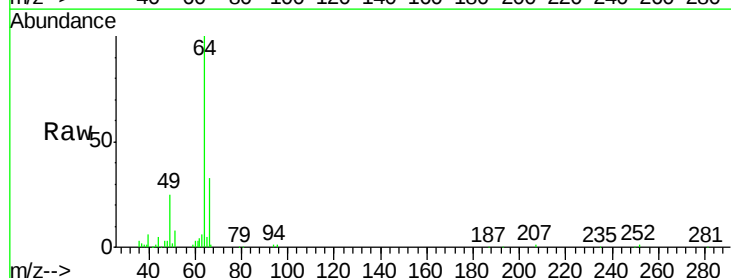
Acq: 17 Feb 2020 21:30

Tgt Ion: 64 Resp: 131488

Ion Ratio Lower Upper

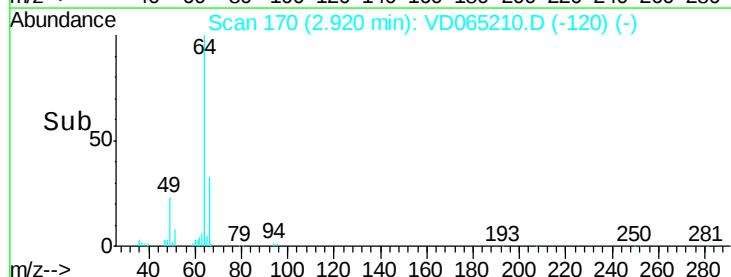
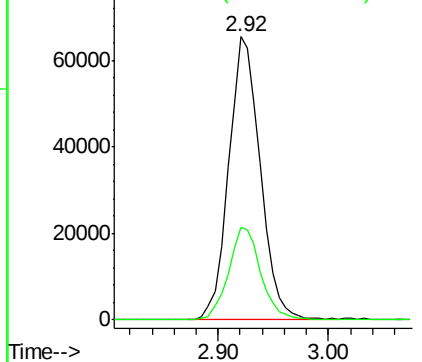
64 100

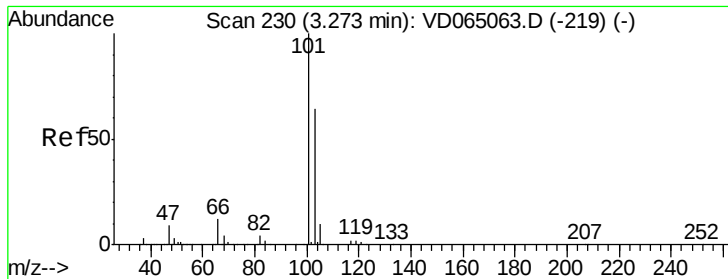
66 32.6 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

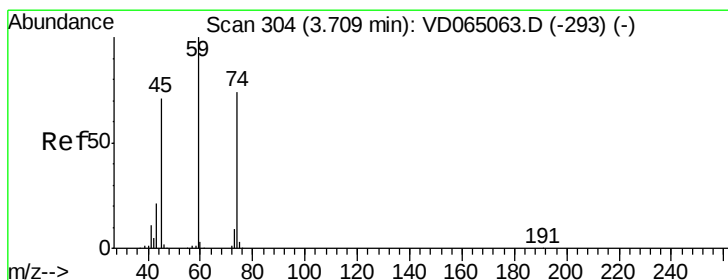
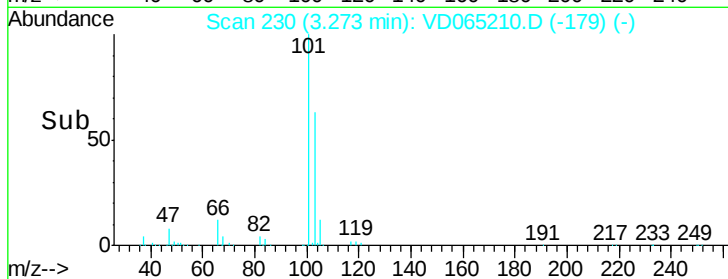
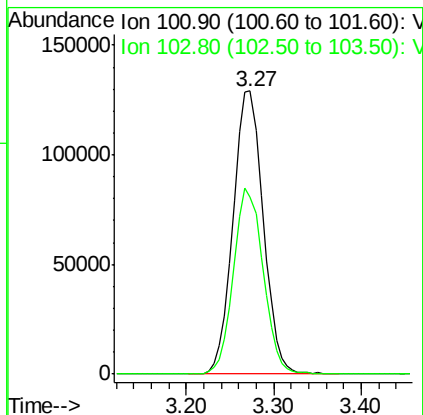
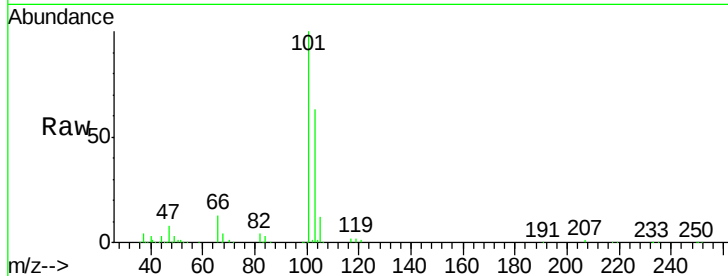
Trichlorofluoromethane
 Concen: 47.866 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065210.D
 Acq: 17 Feb 2020 21:30

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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.7	51.0	76.6

Manual Integrations
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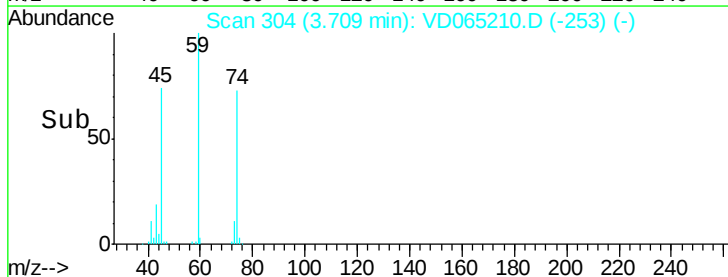
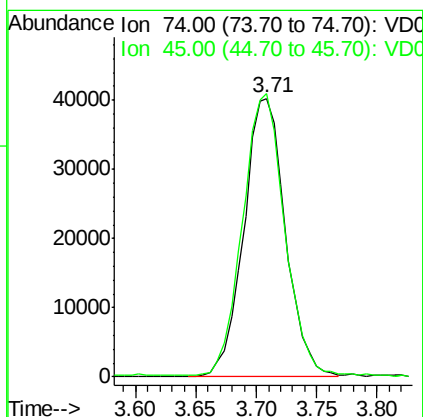
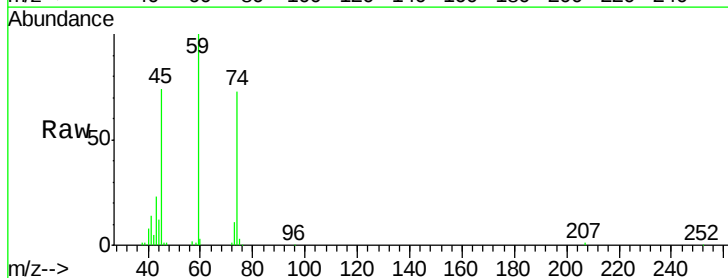
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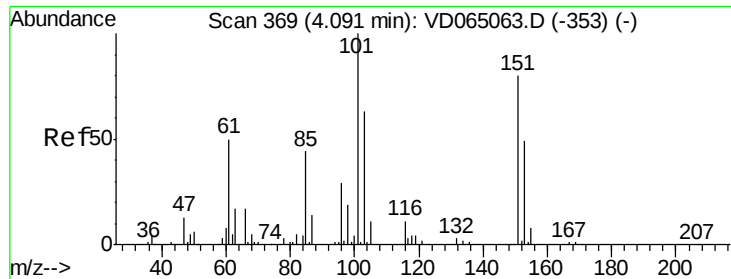


#8

Diethyl Ether
 Concen: 53.257 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065210.D
 Acq: 17 Feb 2020 21:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.4	49.0	147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.134 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD065210.D

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MSVOA_D

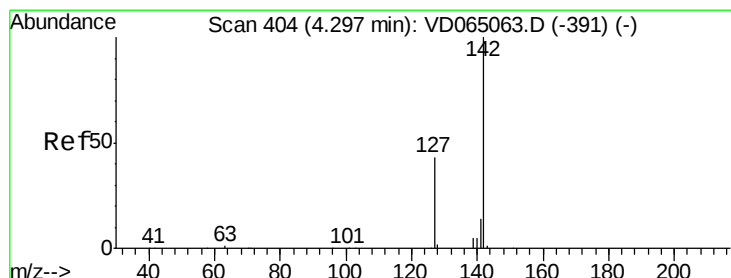
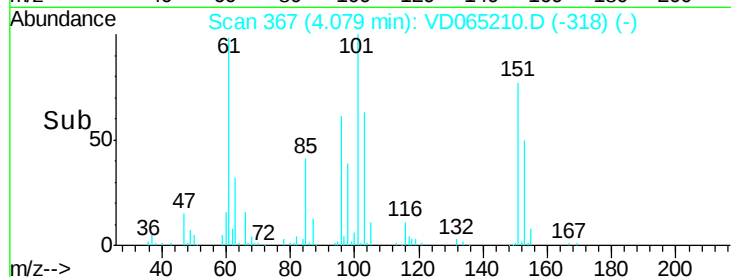
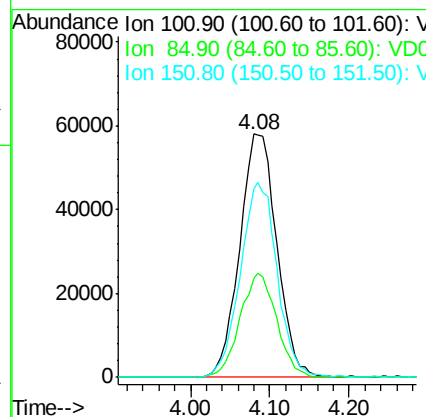
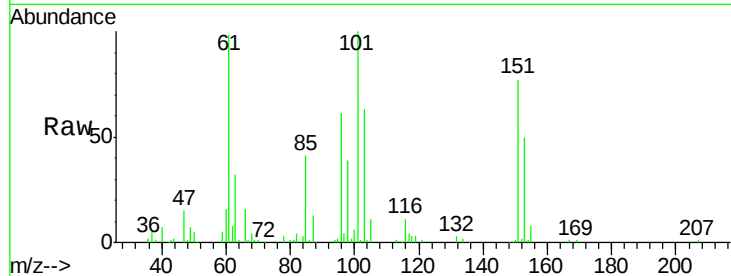
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	189339
Ion Ratio	Lower	Upper	
101	100		
85	42.0	34.0	51.0
151	79.1	64.0	96.0

Manual Integrations
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#10

Methyl Iodide

Concen: 46.992 ug/l

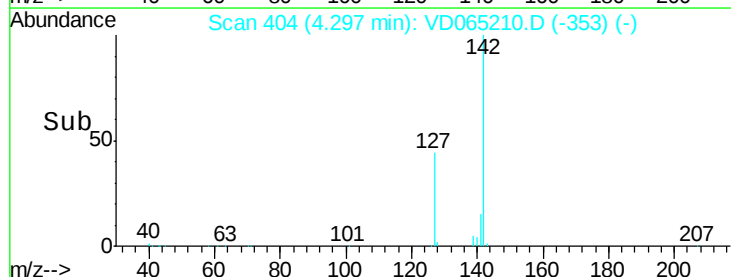
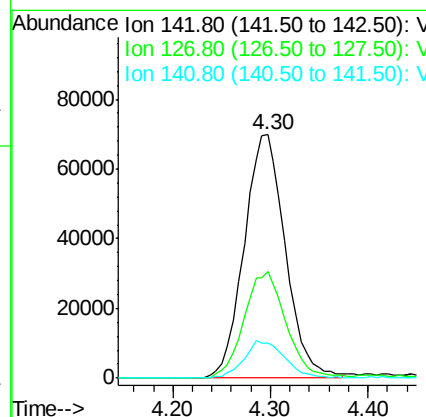
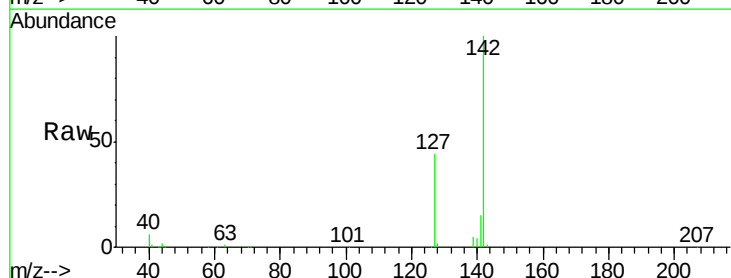
RT: 4.30 min Scan# 404

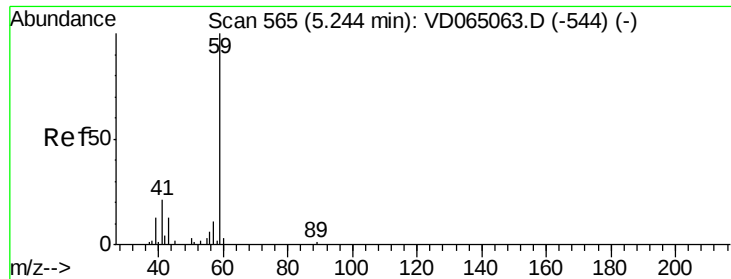
Delta R.T. -0.00 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

Tgt Ion:	142	Resp:	206689
Ion Ratio	Lower	Upper	
142	100		
127	44.5	34.0	51.0
141	15.0	11.6	17.4





#11

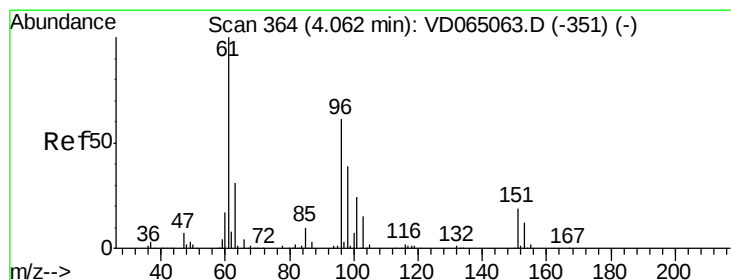
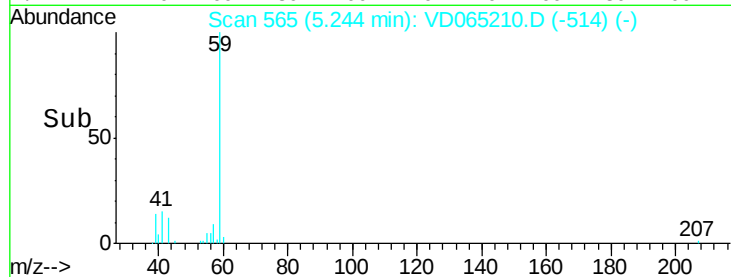
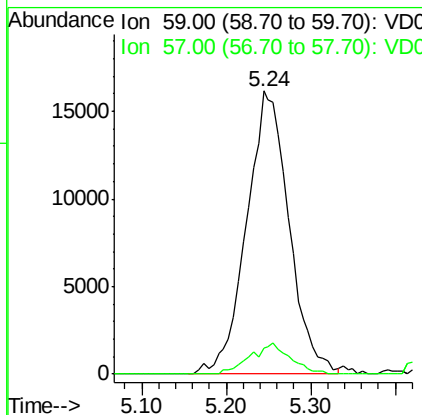
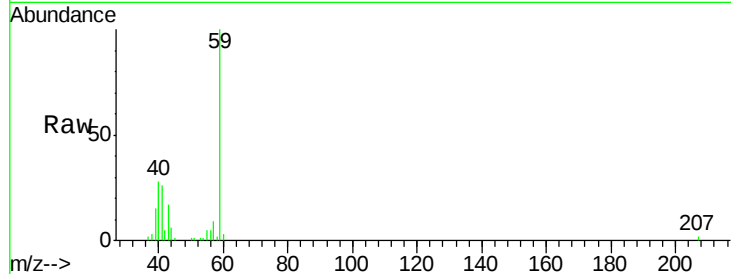
Tert butyl alcohol
 Concen: 260.142 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VD065210.D
 Acq: 17 Feb 2020 21:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.8	13.2

Manual Integrations
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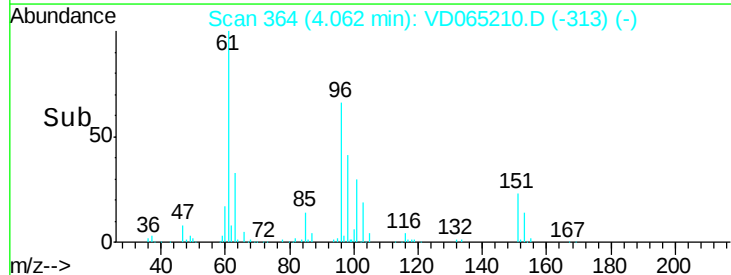
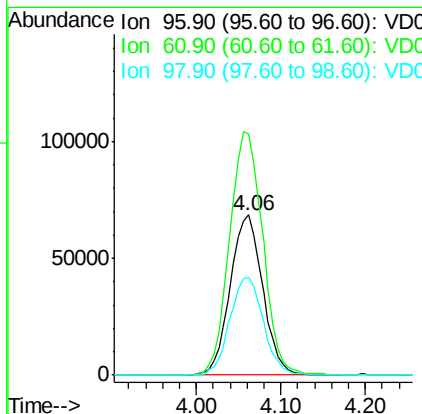
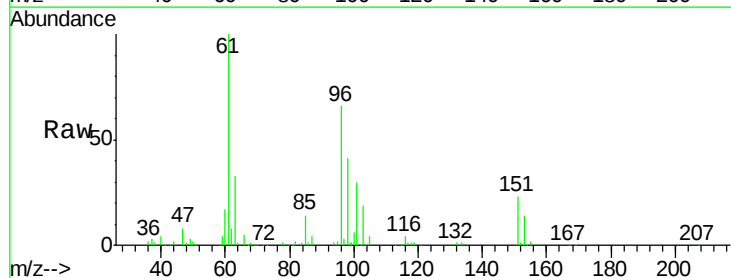
MMDadoda
 2/18/2020 10:58:25 AM

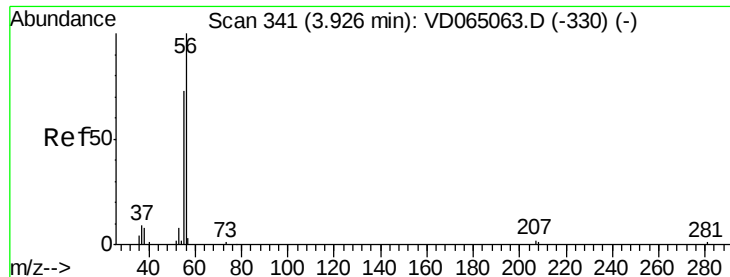


#12

1,1-Dichloroethene
 Concen: 49.356 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VD065210.D
 Acq: 17 Feb 2020 21:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.7	131.4	197.2
98	61.3	51.1	76.7





#13

Acrolein

Concen: 154.875 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 41358

Ion Ratio Lower Upper

56 100

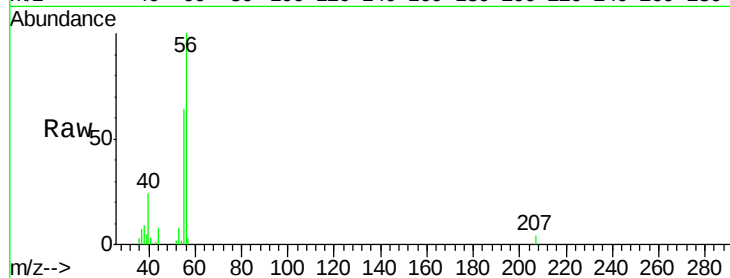
55 67.9 58.2 87.2

Manual Integrations

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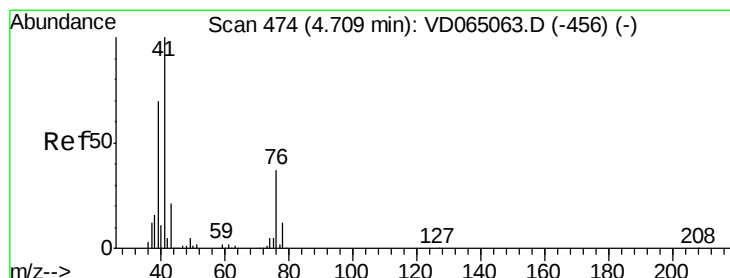
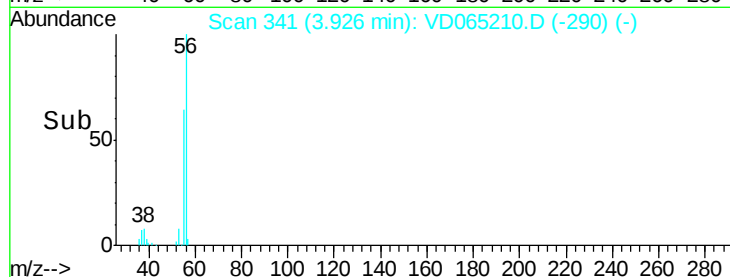
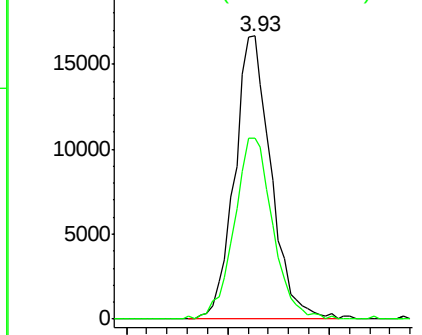
MMDadoda

2/18/2020 10:58:25 AM



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 49.505 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

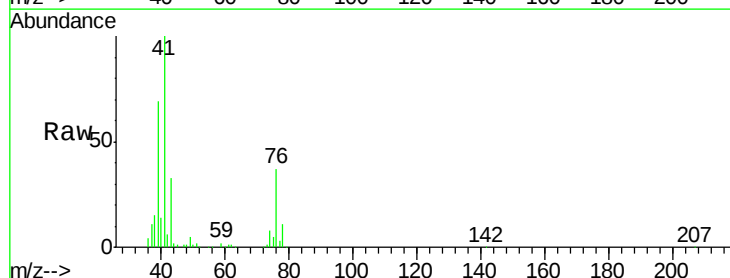
Tgt Ion: 41 Resp: 303649

Ion Ratio Lower Upper

41 100

39 67.0 57.1 85.7

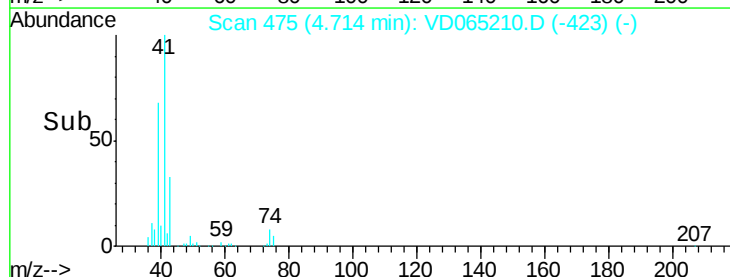
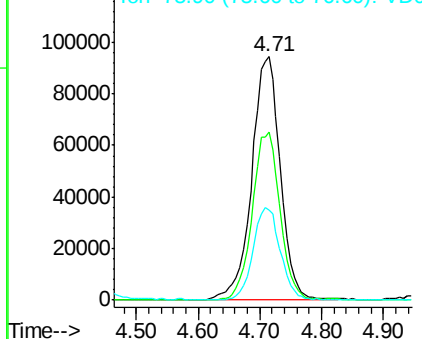
76 36.3 28.0 42.0

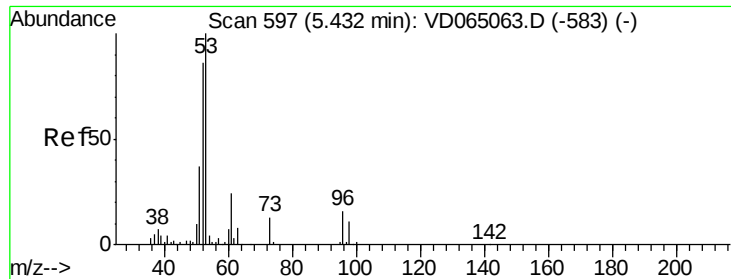


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 294.869 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

Instrument :

MSVOA_D

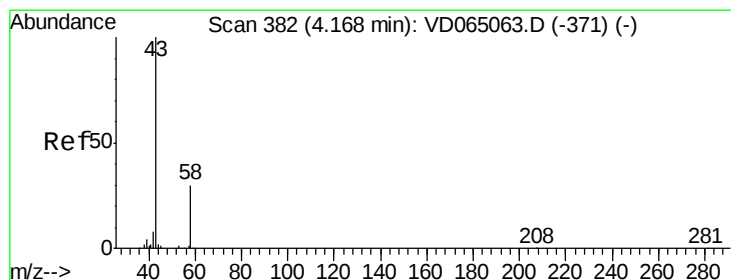
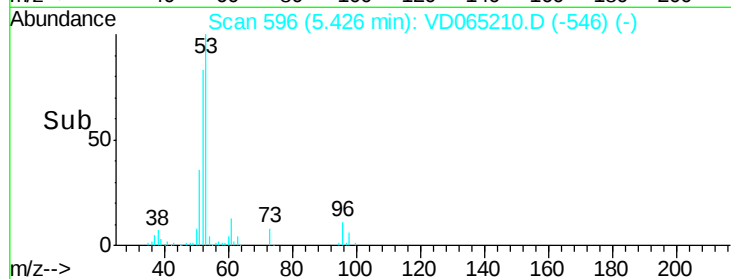
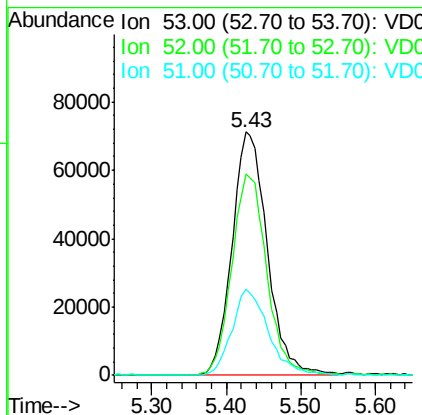
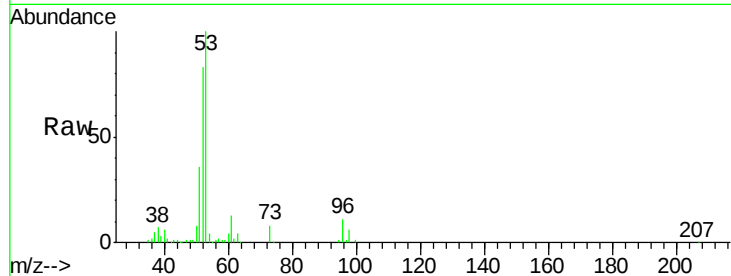
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	233282
Ion Ratio	Lower	Upper	
53	100		
52	81.7	66.2	99.2
51	36.8	30.4	45.6

Manual Integrations
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#16

Acetone

Concen: 223.026 ug/l

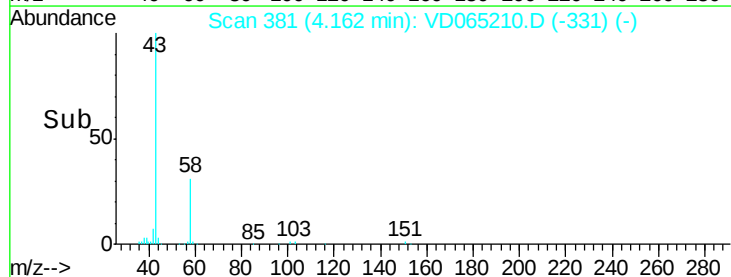
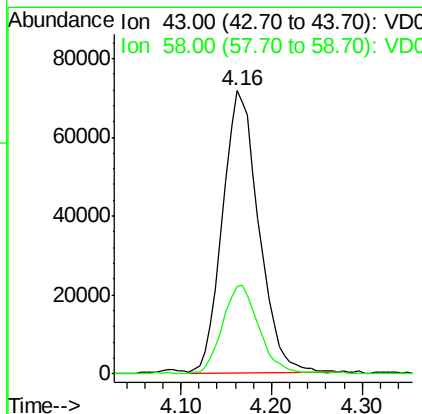
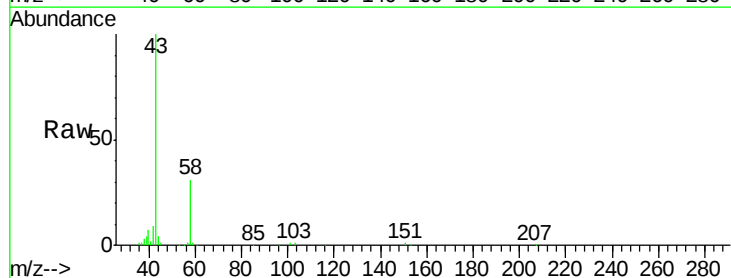
RT: 4.16 min Scan# 381

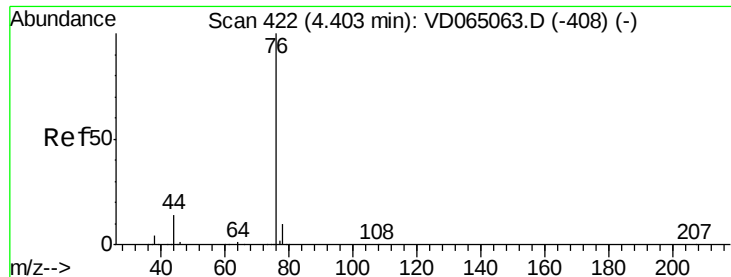
Delta R.T. -0.01 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

Tgt Ion:	43	Resp:	198142
Ion Ratio	Lower	Upper	
43	100		
58	31.1	23.5	35.3





#17

Carbon Disulfide

Concen: 48.364 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 573099

Ion Ratio Lower Upper

76 100

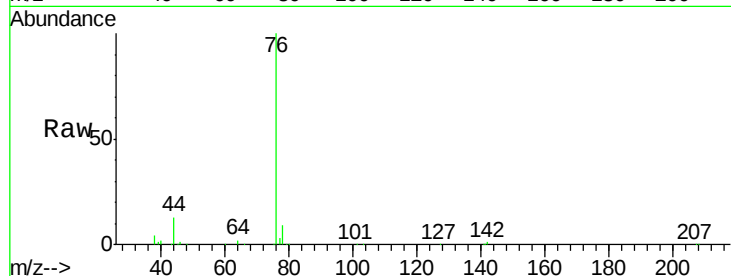
78 9.1 7.6 11.4

Manual Integrations

APPROVED

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

200000

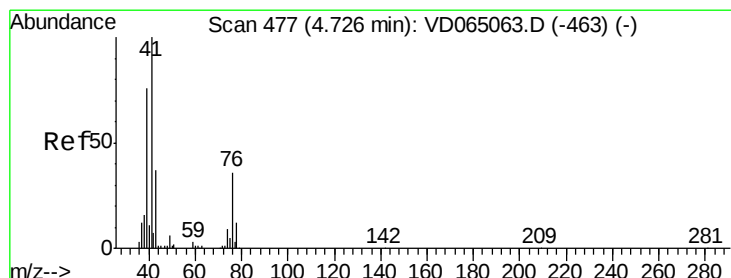
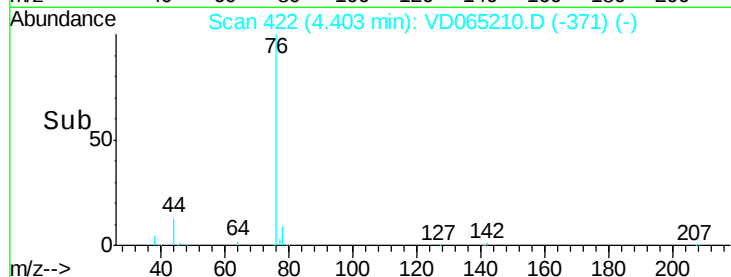
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 59.332 ug/l

RT: 4.73 min Scan# 477

Delta R.T. -0.00 min

Lab File: VD065210.D

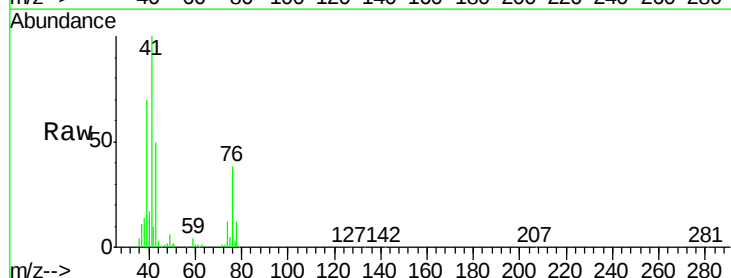
Acq: 17 Feb 2020 21:30

Tgt Ion: 43 Resp: 110131

Ion Ratio Lower Upper

43 100

74 23.4 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.73

40000

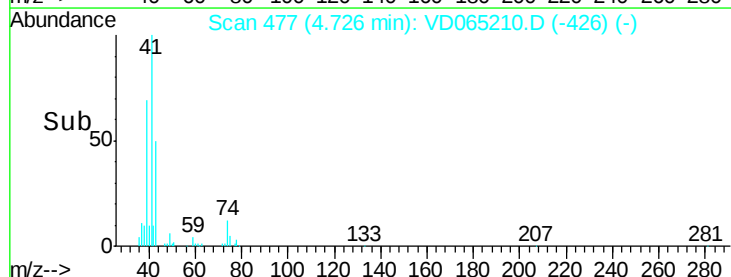
30000

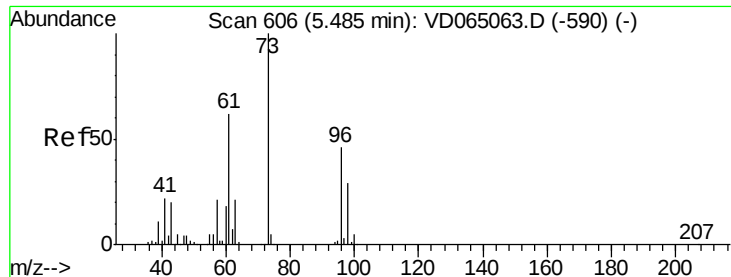
20000

10000

0

Time-->





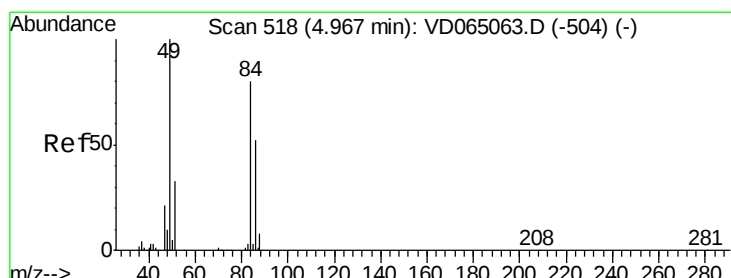
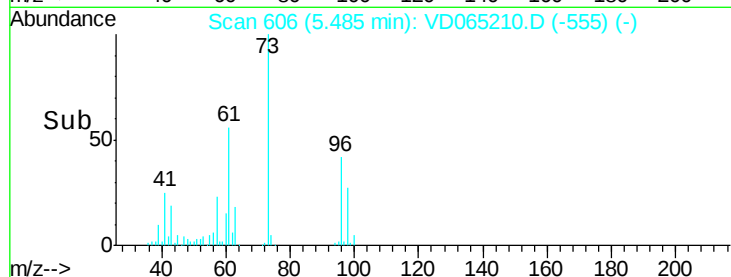
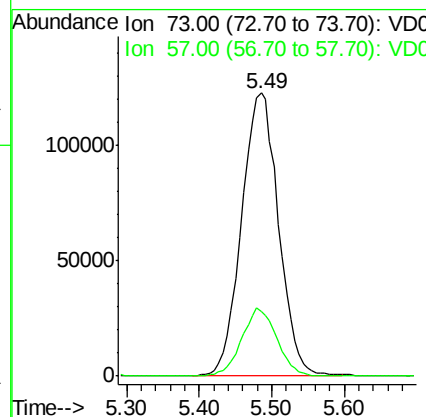
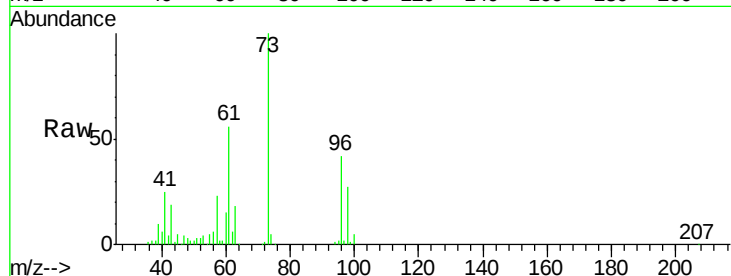
#19
Methvl tert-butvl Ether
Concen: 53.408 ug/l
RT: 5.49 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 435873
Ion Ratio Lower Upper
73 100
57 22.6 16.8 25.2

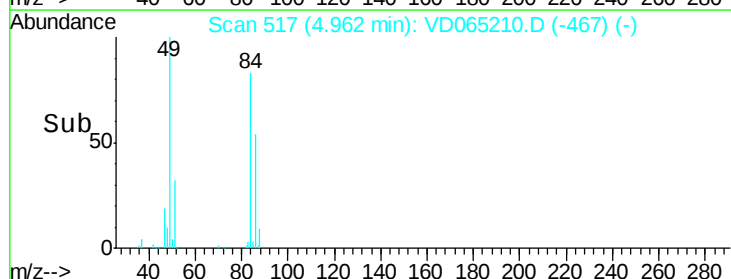
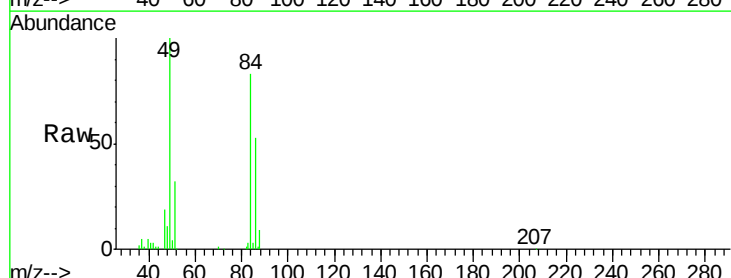
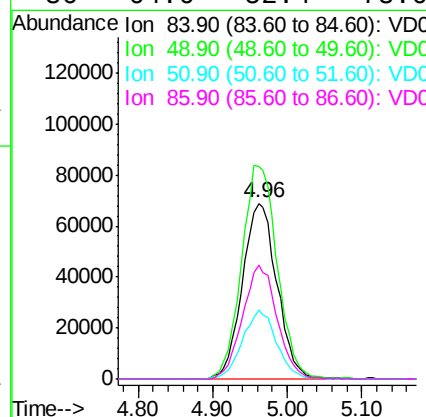
Manual Integrations
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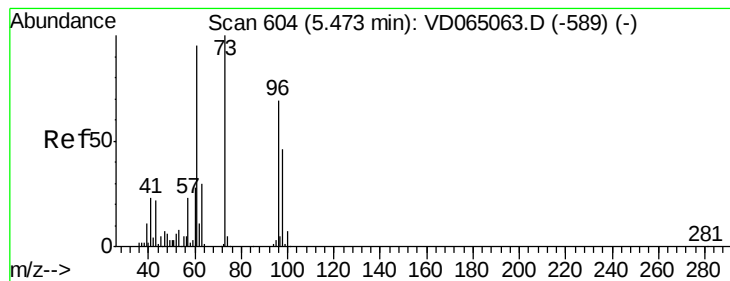
MMDadoda
2/18/2020 10:58:25 AM



#20
Methylene Chloride
Concen: 57.273 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Tgt Ion: 84 Resp: 221804
Ion Ratio Lower Upper
84 100
49 121.1 100.4 150.6
51 39.1 32.7 49.1
86 64.6 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 51.664 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 215722

Ion Ratio Lower Upper

96 100

61 131.7 109.5 164.3

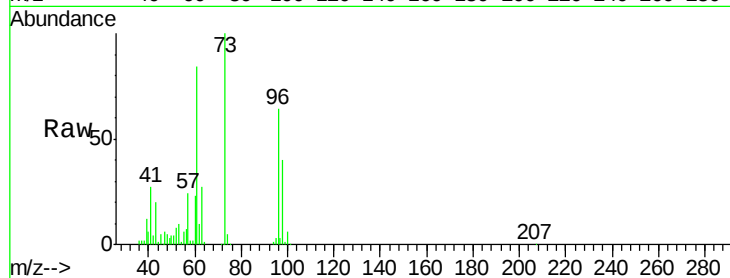
98 62.6 53.7 80.5

Manual Integrations

APPROVED

MMDadoda

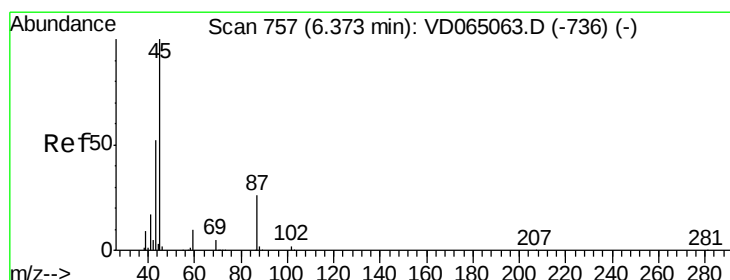
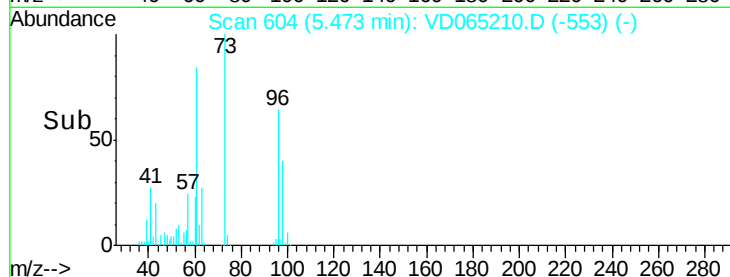
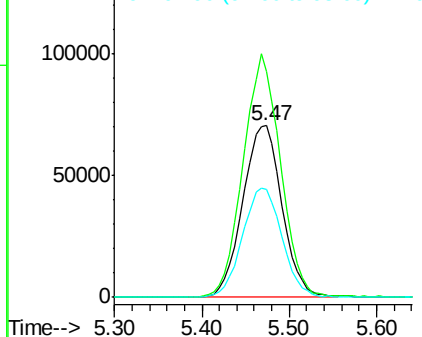
2/18/2020 10:58:25 AM



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 56.024 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

Tgt Ion: 45 Resp: 648174

Ion Ratio Lower Upper

45 100

43 52.0 41.3 61.9

87 25.3 21.0 31.6

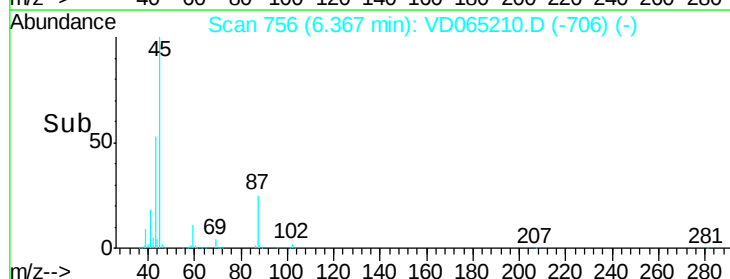
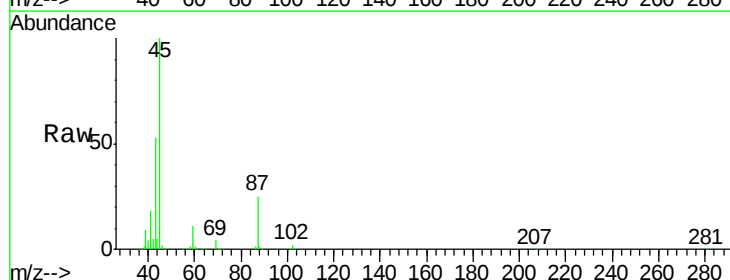
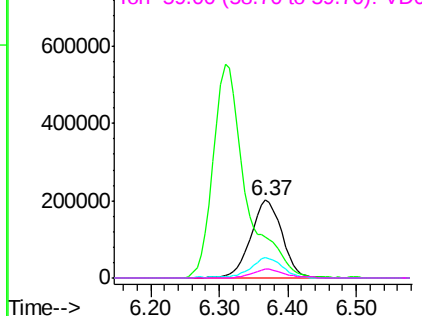
59 11.2 8.2 12.4

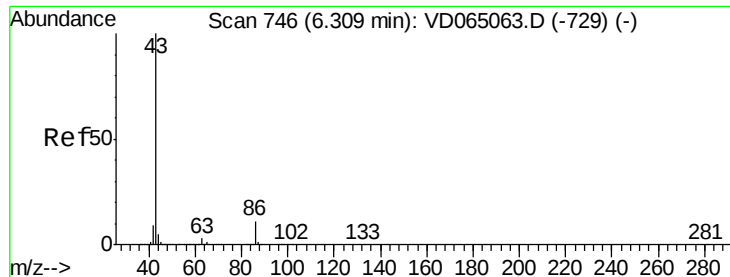
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 284.662 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1835702

Ion Ratio Lower Upper

43 100

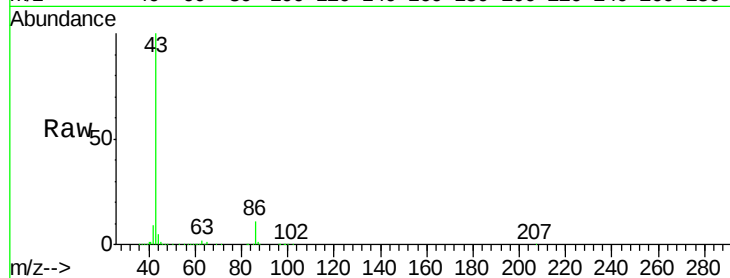
86 10.6 8.5 12.7

Manual Integrations

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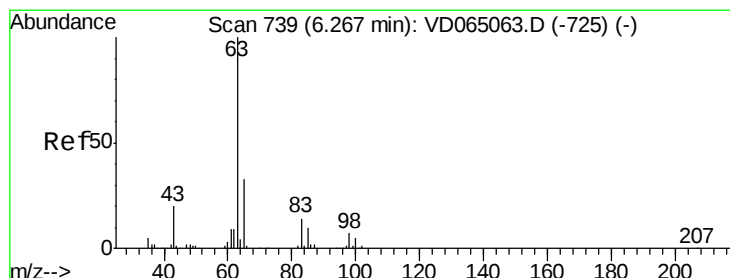
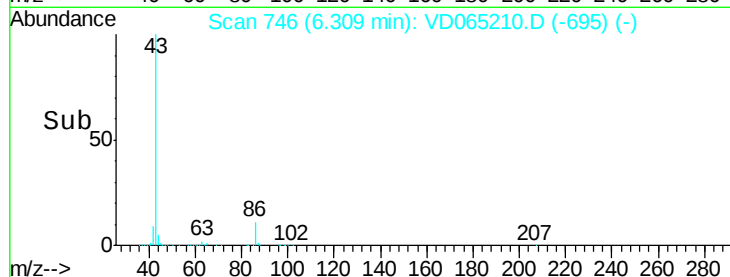
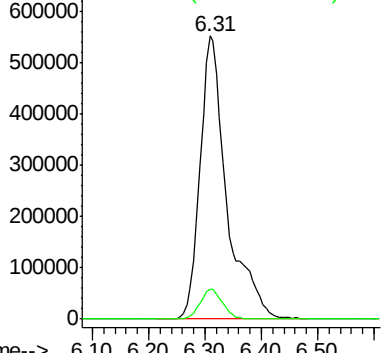
MMDadoda

2/18/2020 10:58:25 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 52.956 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

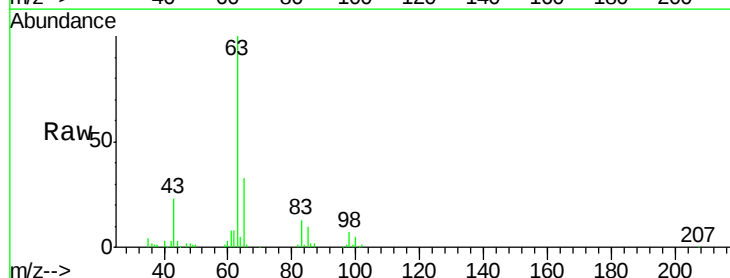
Tgt Ion: 63 Resp: 370847

Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.4

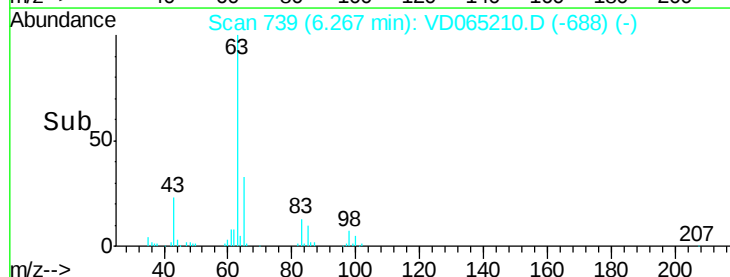
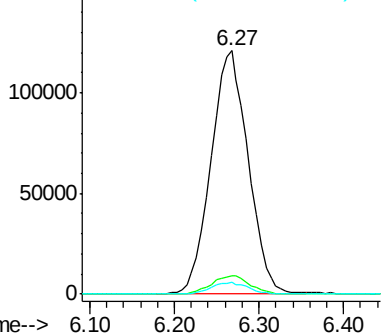
100 4.8 2.5 7.6

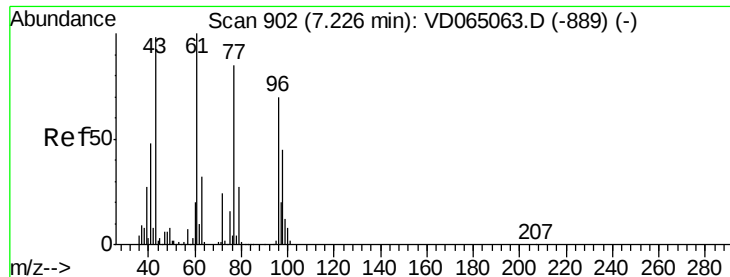


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 274.751 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 291170

Ion Ratio Lower Upper

43 100

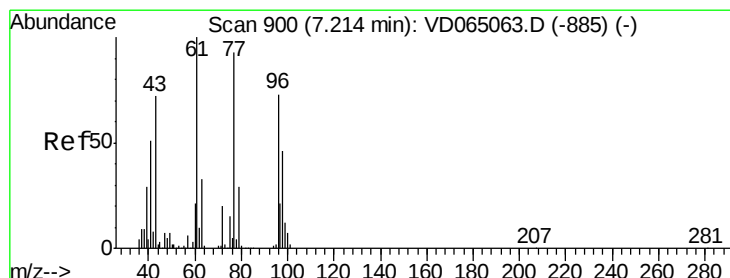
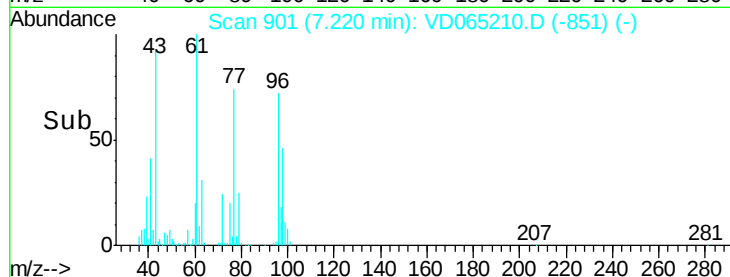
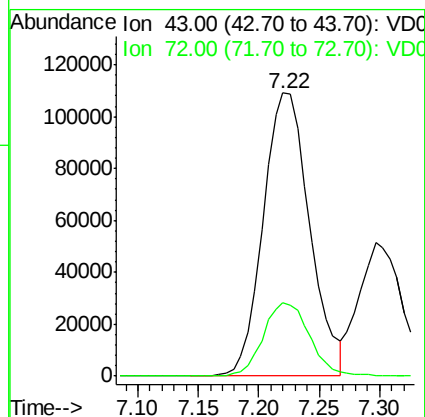
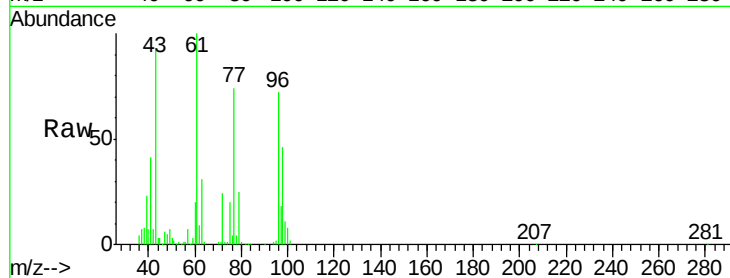
72 26.2 19.9 29.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 47.623 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065210.D

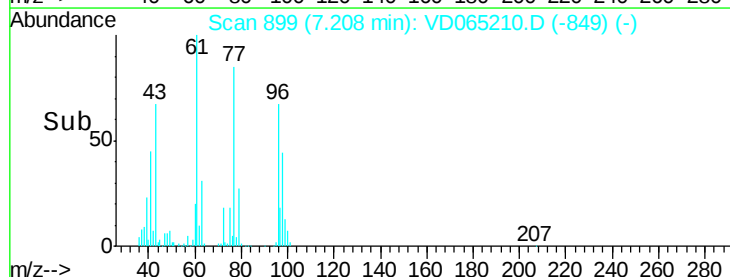
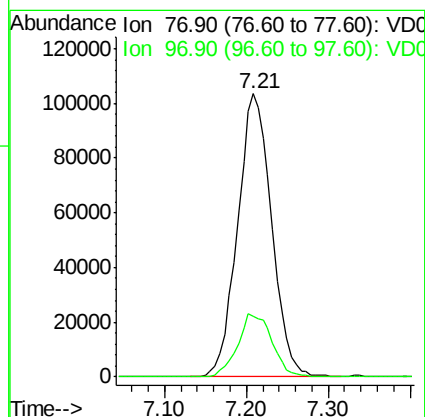
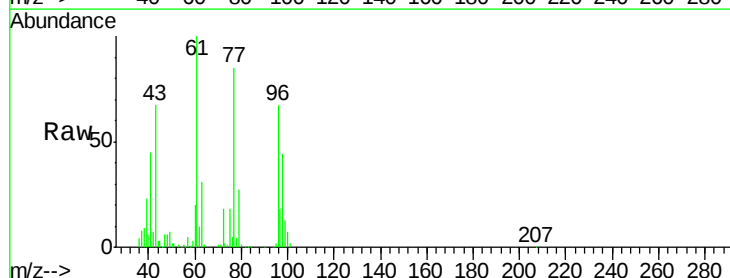
Acq: 17 Feb 2020 21:30

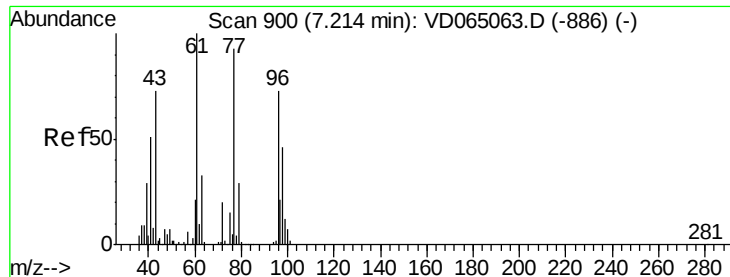
Tgt Ion: 77 Resp: 298927

Ion Ratio Lower Upper

77 100

97 22.5 10.9 32.6





#27

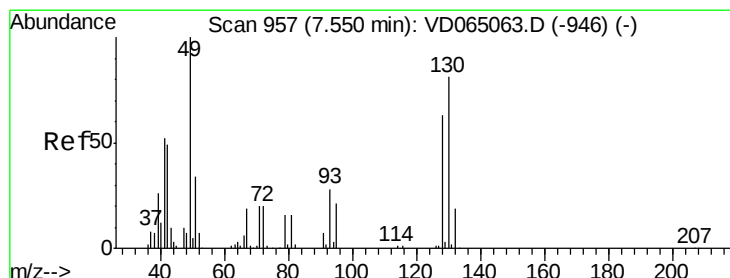
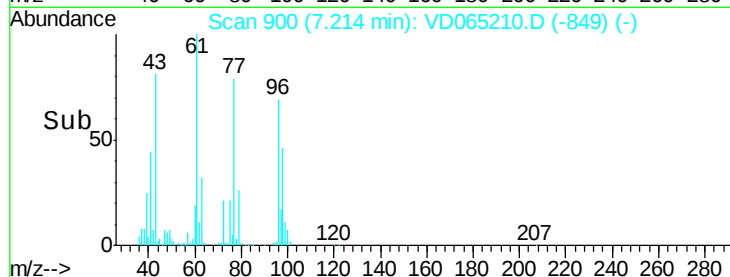
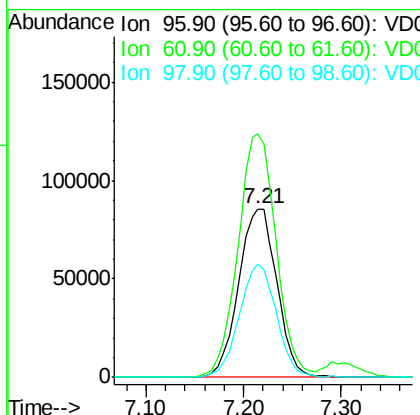
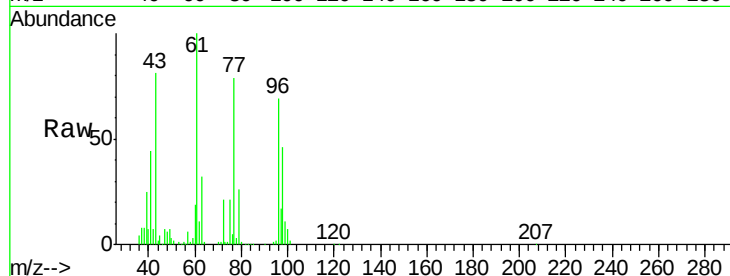
cis-1,2-Dichloroethene
Concen: 52.658 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	233586		
61	143.8	0.0	292.8	
98	65.2	0.0	128.8	

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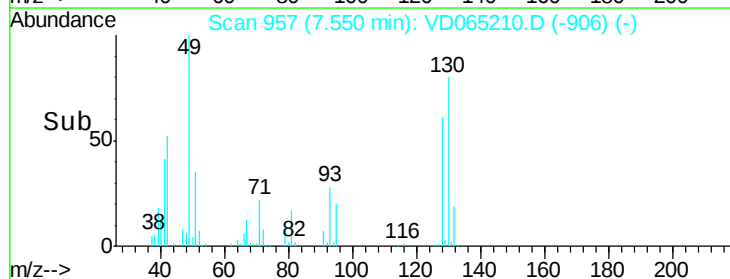
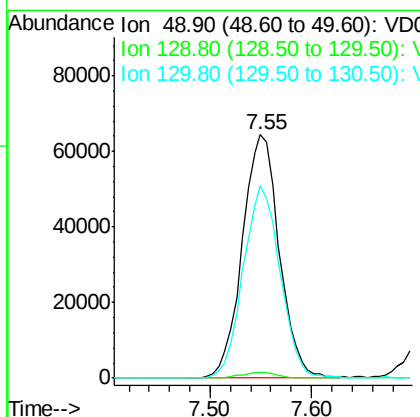
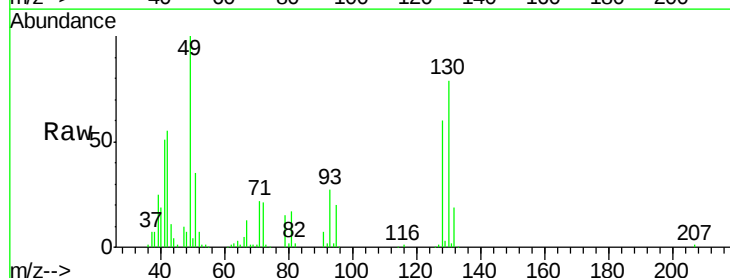
MMDadoda
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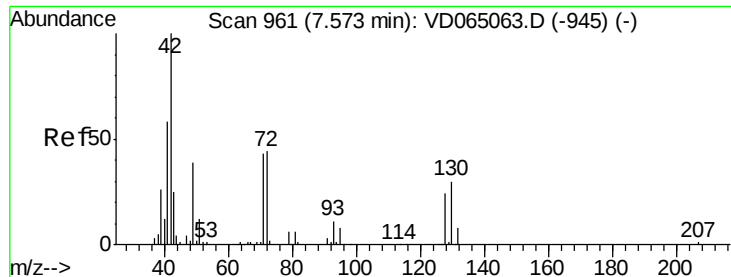


#28

Bromochloromethane
Concen: 61.319 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	162780		
129	2.3	0.0	4.4	
130	79.1	63.8	95.8	





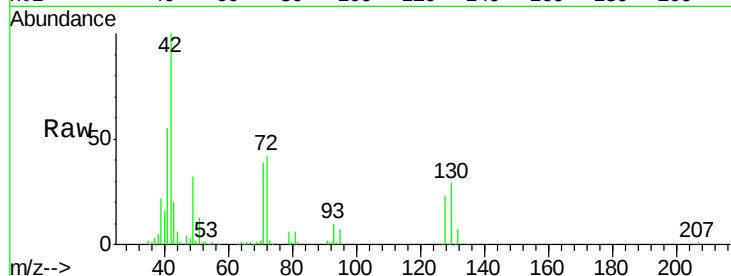
#29
Tetrahydrofuran
Concen: 297.755 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

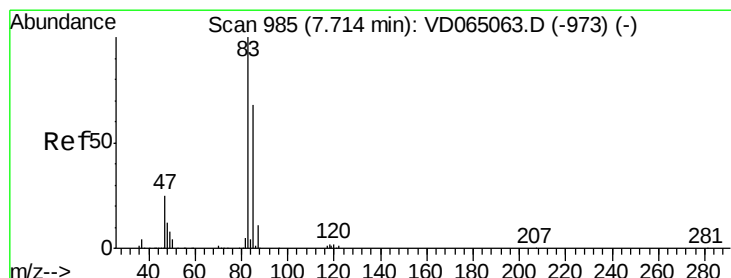
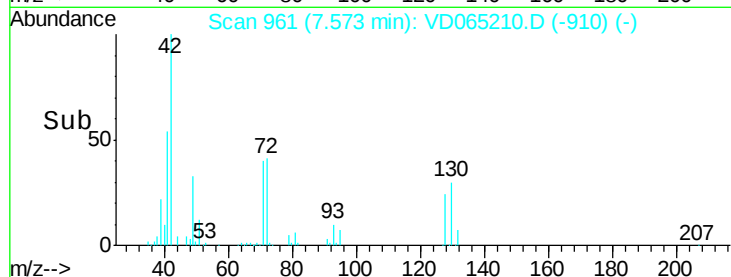
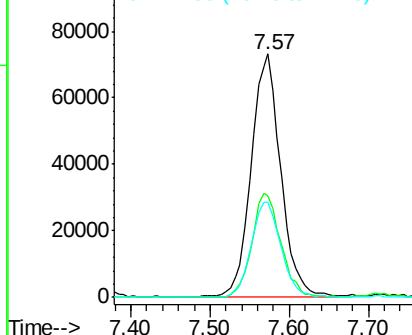
Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	34.2	51.4
71	39.5	31.8	47.6

Manual Integrations
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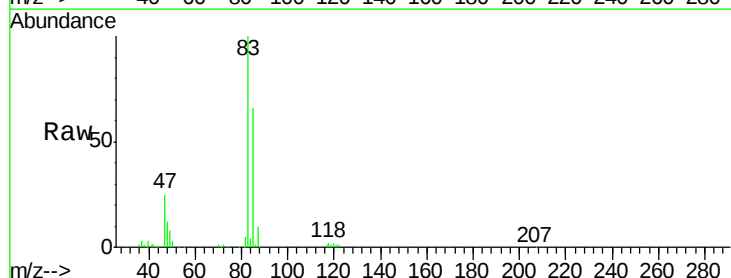


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

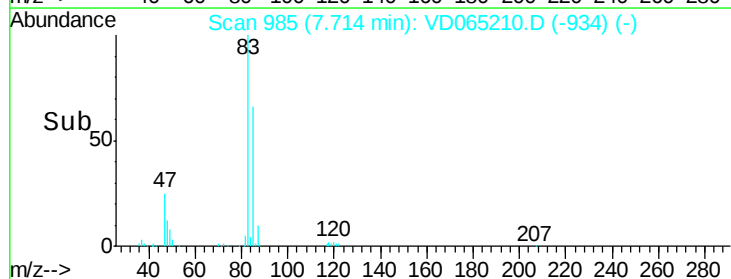
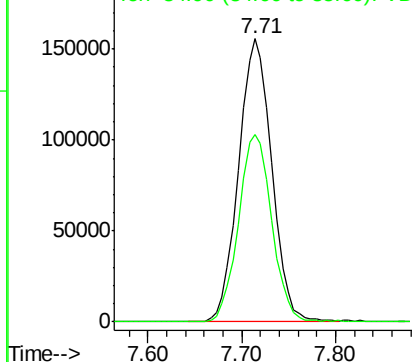


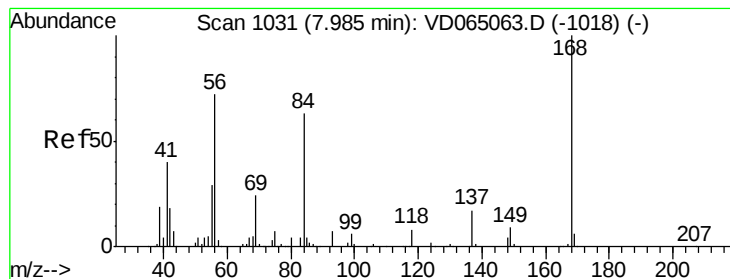
#30
Chloroform
Concen: 54.508 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	54.2	81.4



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 45.646 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 322674

Ion Ratio Lower Upper

56 100

69 34.3 26.6 40.0

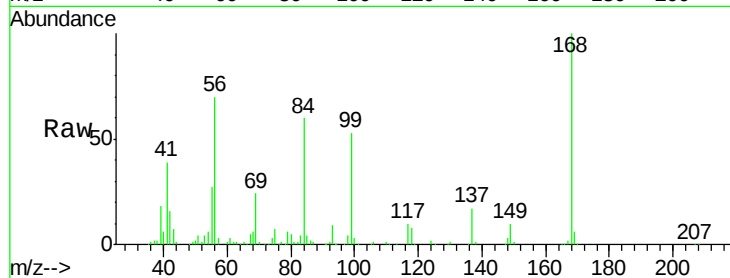
84 84.4 70.6 106.0

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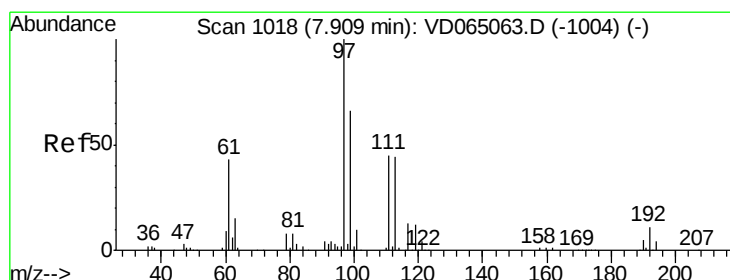
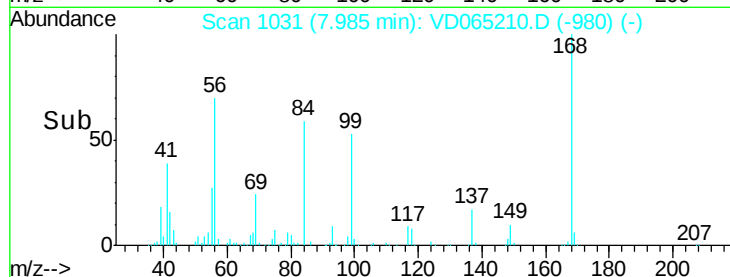
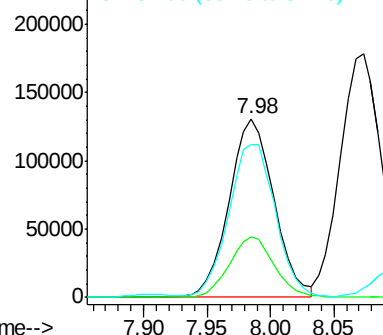
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Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 50.259 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

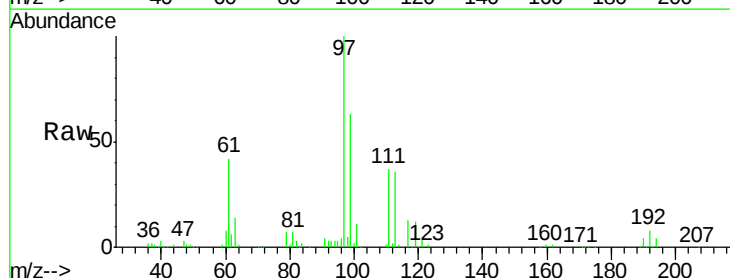
Tgt Ion: 97 Resp: 326451

Ion Ratio Lower Upper

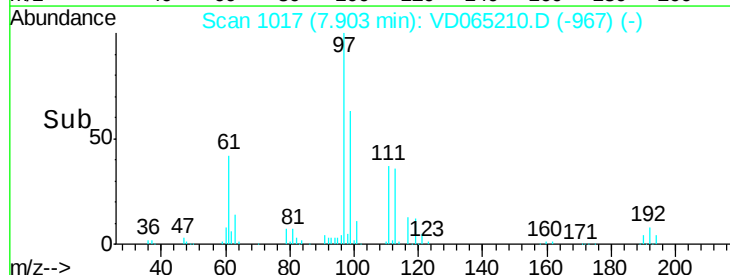
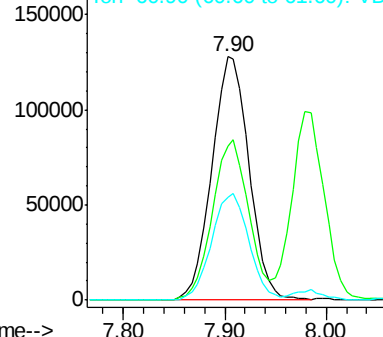
97 100

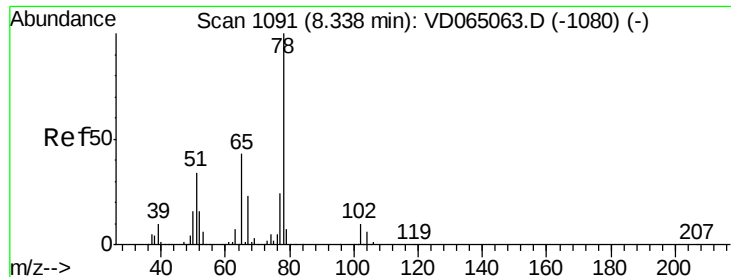
99 64.2 51.5 77.3

61 43.8 34.8 52.2



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 57.156 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 203102

Ion Ratio Lower Upper

65 100

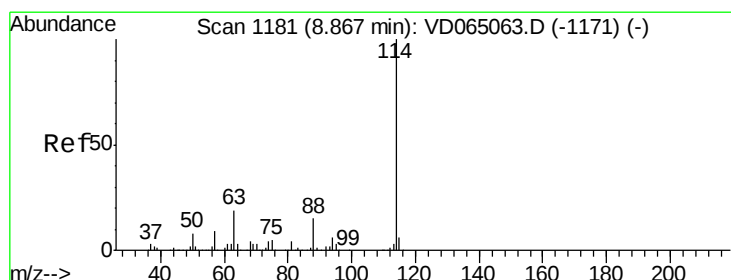
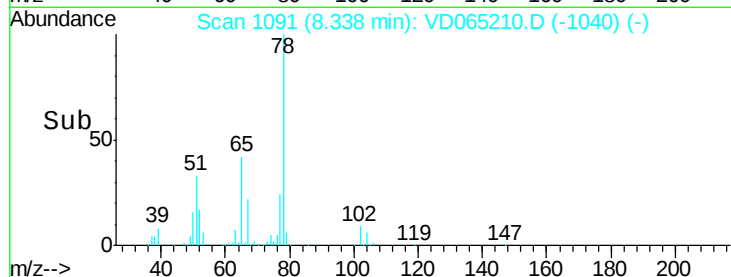
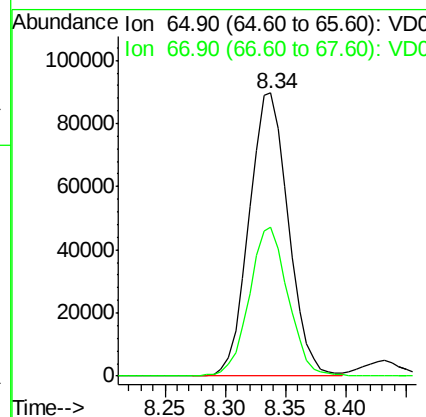
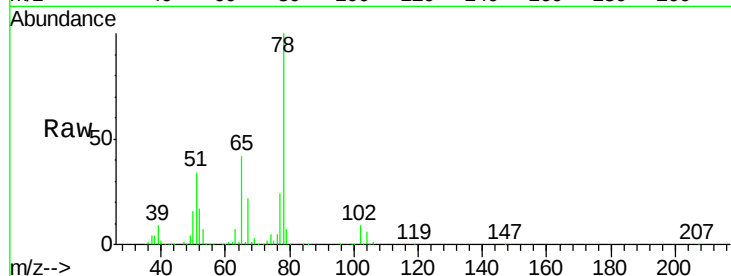
67 52.3 0.0 105.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

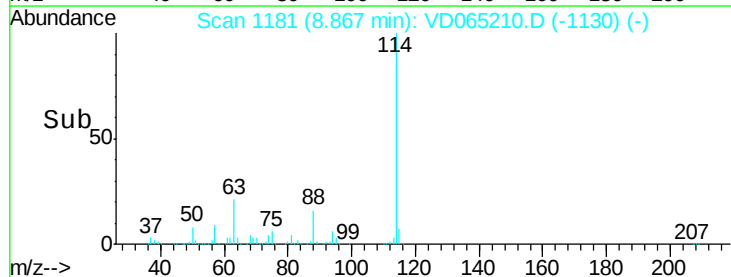
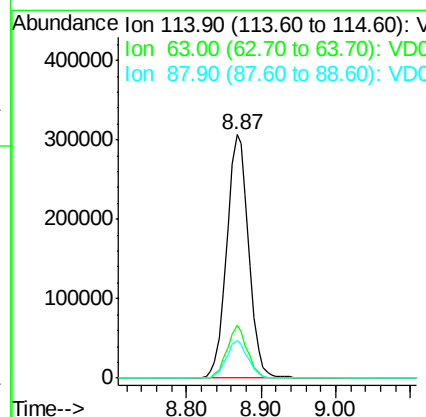
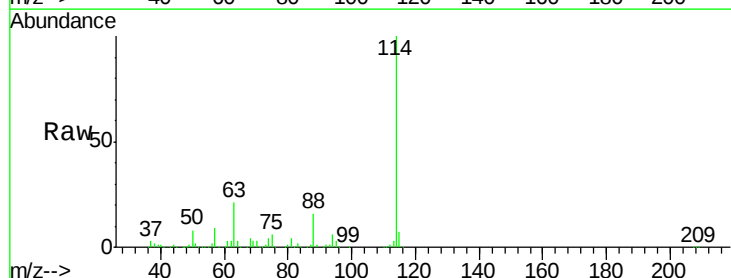
Tgt Ion: 114 Resp: 626294

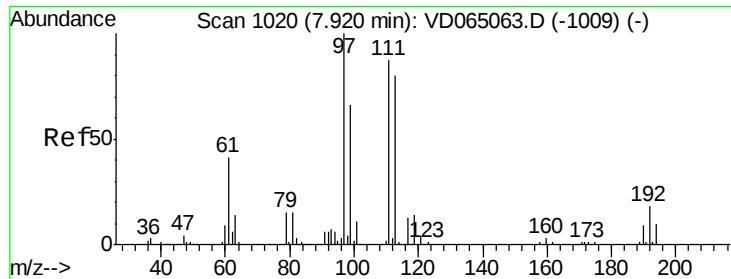
Ion Ratio Lower Upper

114 100

63 21.5 0.0 38.8

88 15.6 0.0 29.6





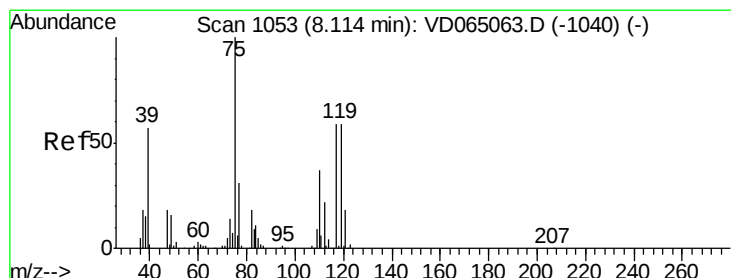
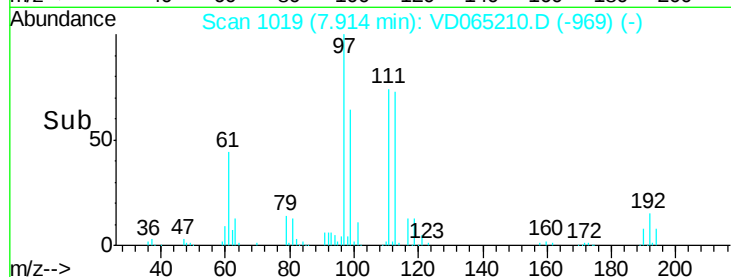
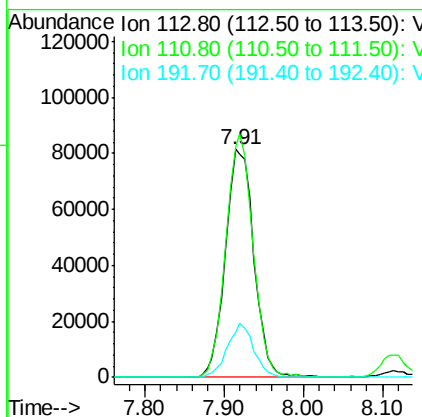
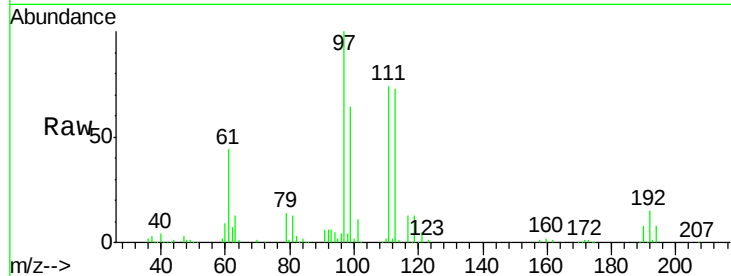
#35
 Dibromofluoromethane
 Concen: 58.050 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065210.D
 Acq: 17 Feb 2020 21:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	202846		
111	102.0	83.1	124.7	
192	21.8	18.1	27.1	

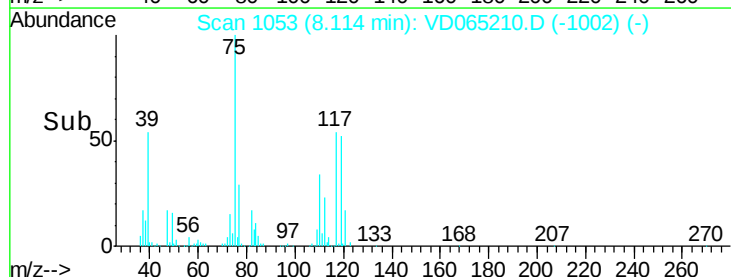
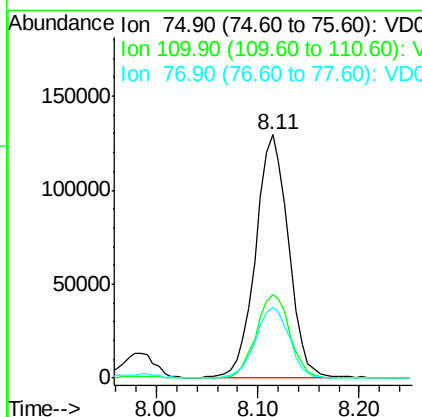
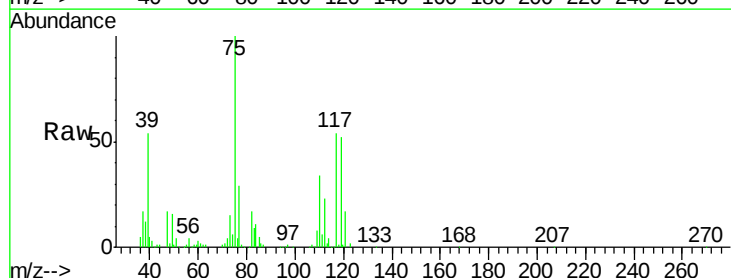
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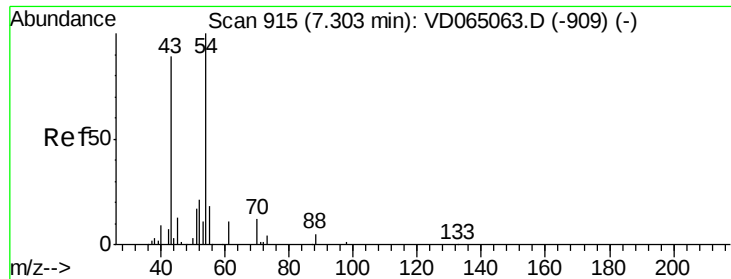
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#36
 1,1-Dichloropropene
 Concen: 49.823 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065210.D
 Acq: 17 Feb 2020 21:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	290152		
110	35.6	18.1	54.3	
77	30.7	24.7	37.1	





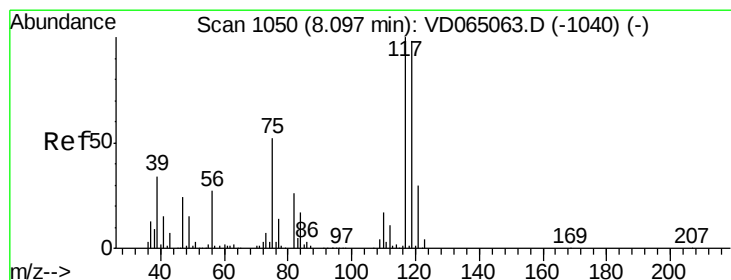
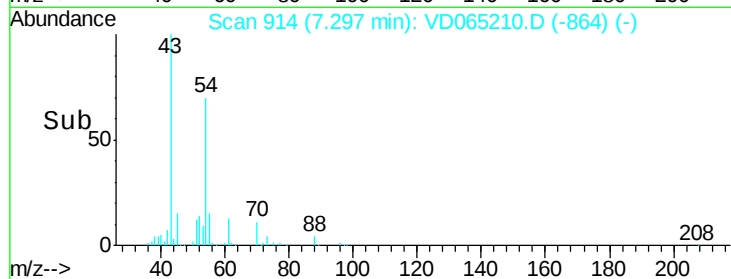
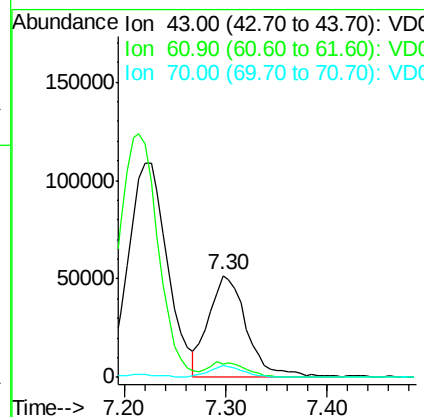
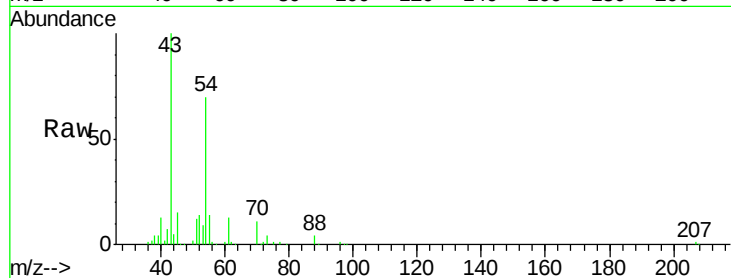
#37
Ethyl Acetate
Concen: 55.686 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.0	16.4
70	10.3	8.2	12.2

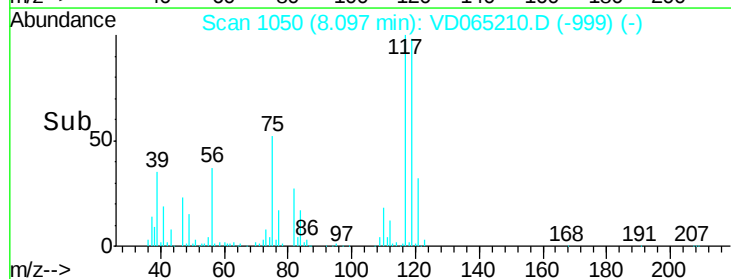
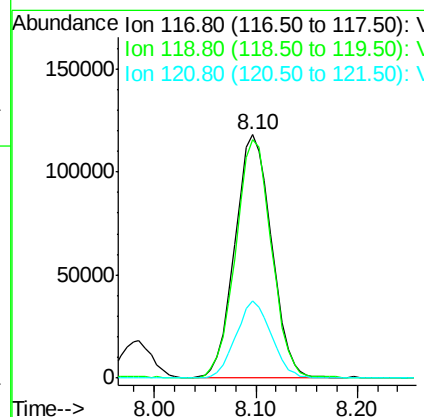
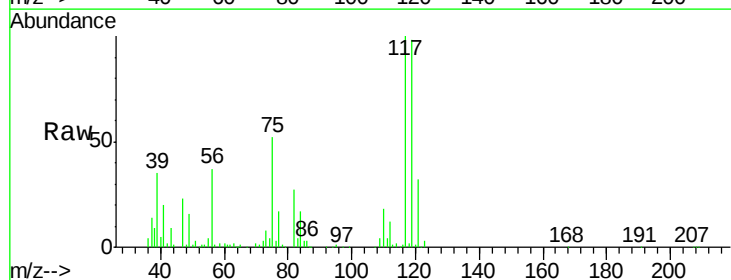
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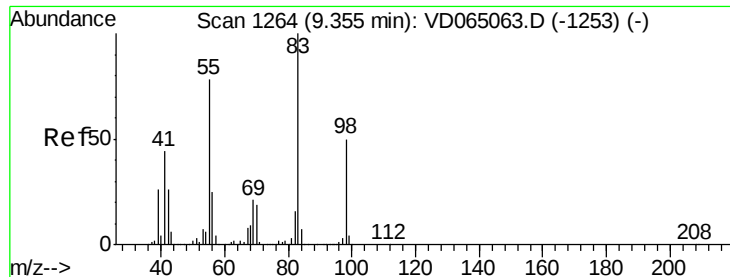
MMDadoda
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#38
Carbon Tetrachloride
Concen: 49.513 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.9	78.5	117.7
121	32.0	23.8	35.6





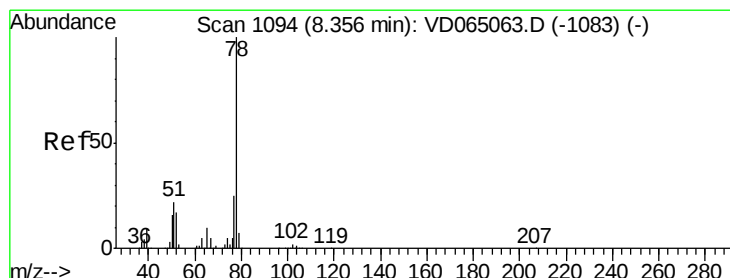
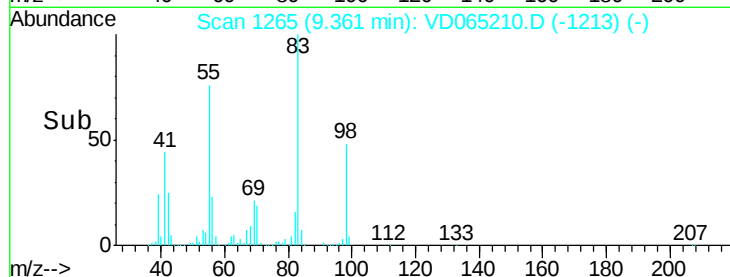
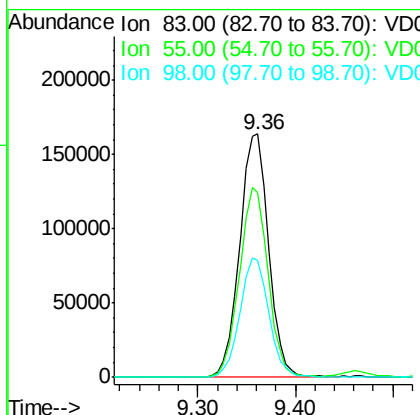
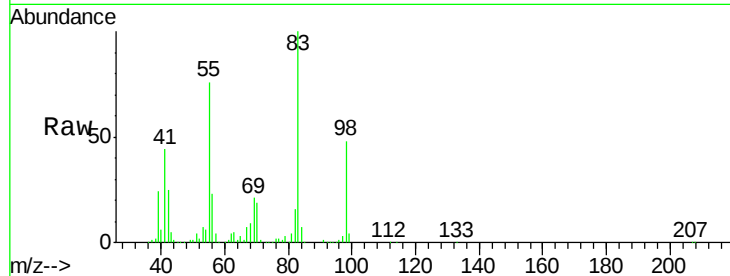
#39
Methvlcvclohexane
Concen: 47.335 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	76.1	62.0	93.0	
98	48.2	39.9	59.9	

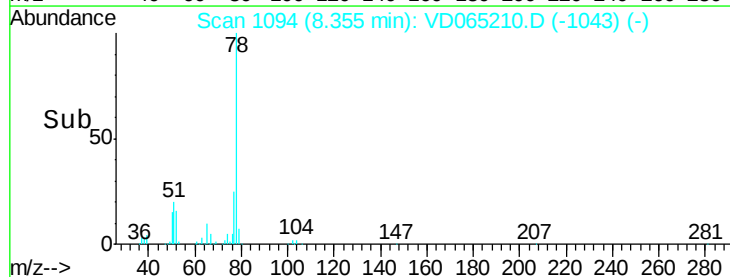
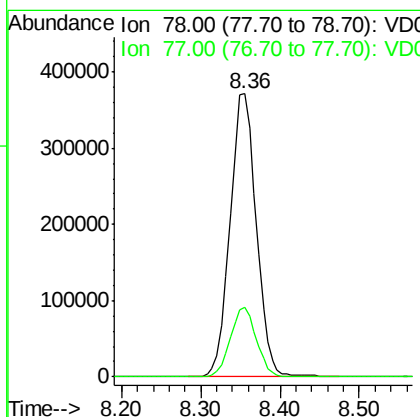
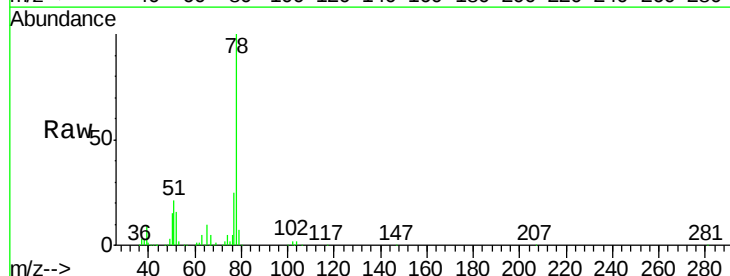
Manual Integrations
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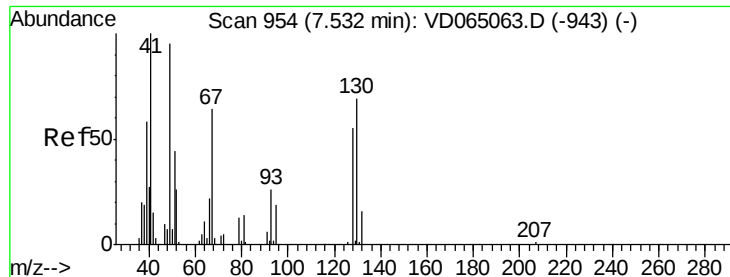
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#40
Benzene
Concen: 53.020 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.7	19.6	29.4	





#41

Methacrylonitrile

Concen: 57.748 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.00 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

Instrument :

MSVOA_D

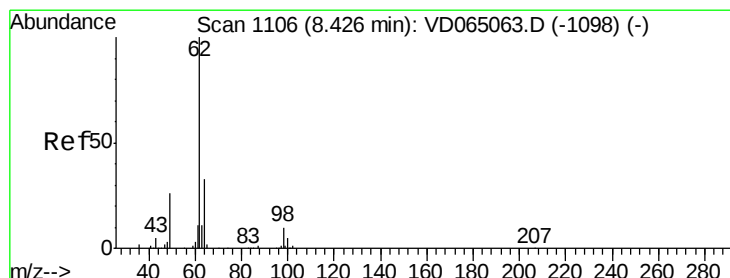
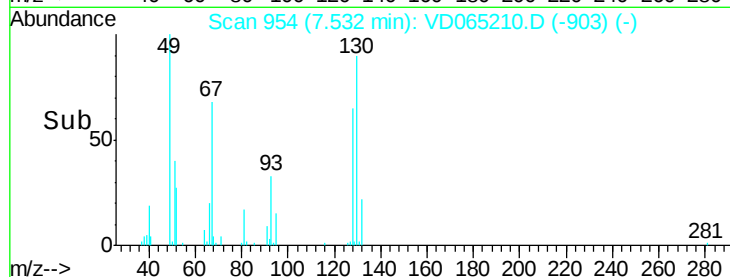
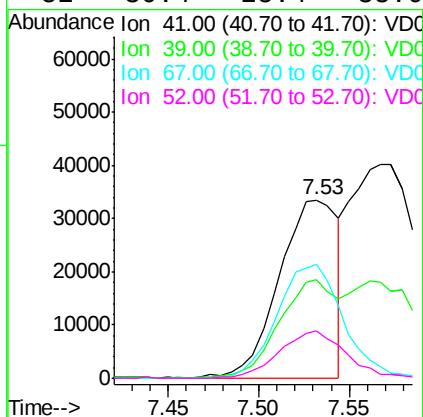
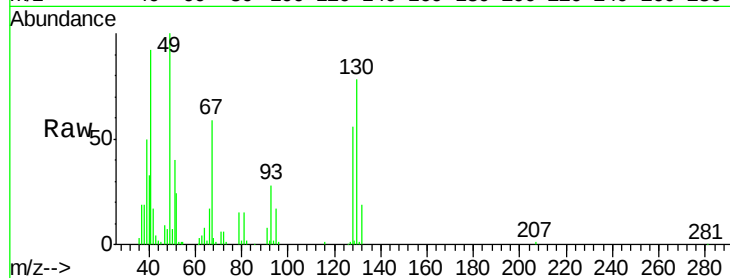
ClientSampleId :

VSTDCCC050EC

Tot Ion:	41	Resp:	75691
Ion	Ratio	Lower	Upper
41	100		
39	53.7	55.4	83.0#
67	72.2	59.0	88.6
52	30.4	25.4	38.0

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2/18/2020 10:58:25 AM



#42

1,2-Dichloroethane

Concen: 53.060 ug/l

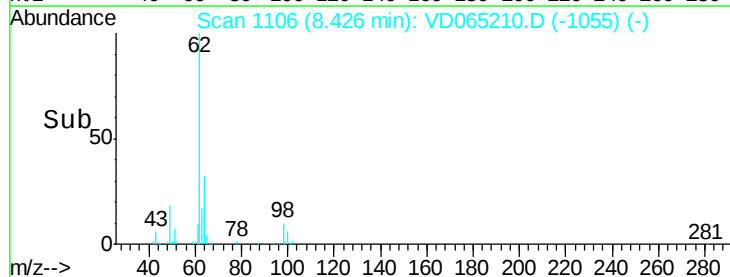
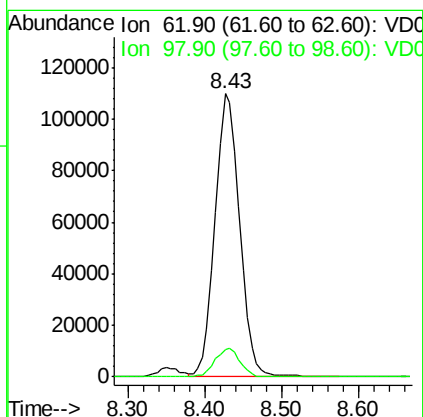
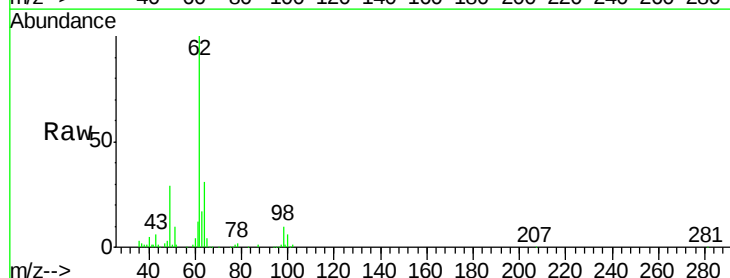
RT: 8.43 min Scan# 1106

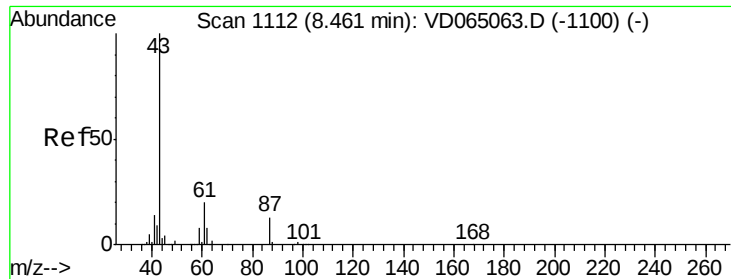
Delta R.T. -0.00 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

Tgt Ion:	62	Resp:	243136
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	18.6





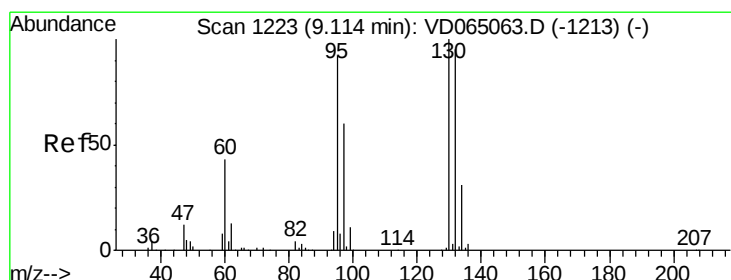
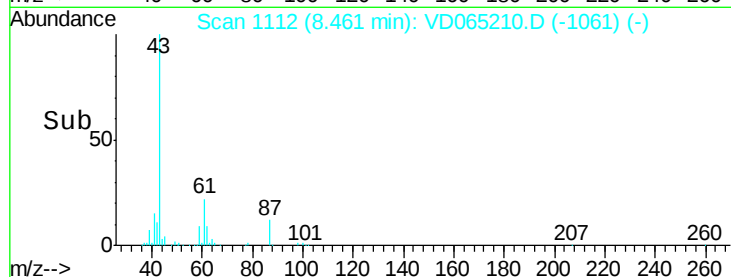
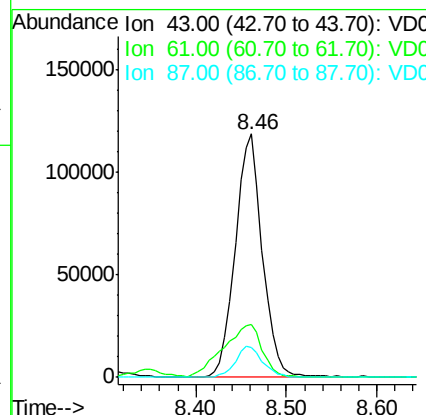
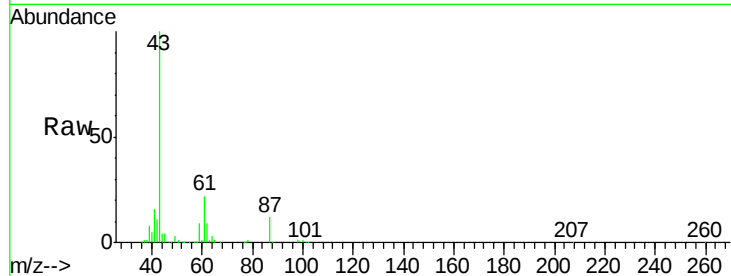
#43
Isopropyl Acetate
Concen: 53.993 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.3	24.0	36.0
87	12.8	10.2	15.4

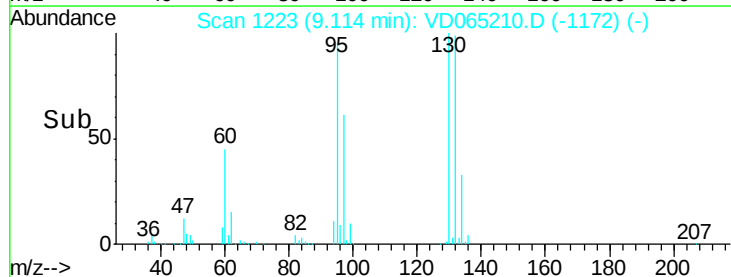
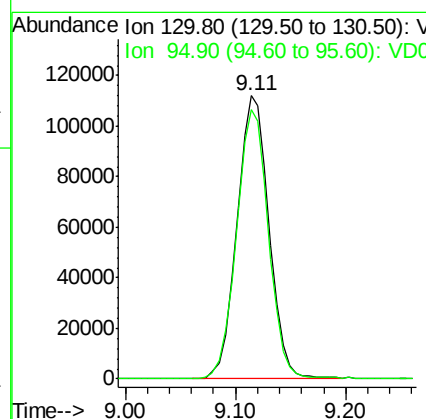
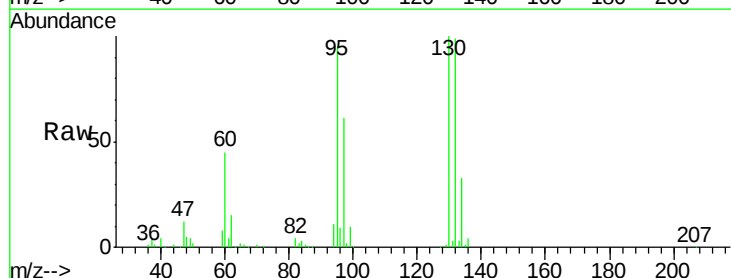
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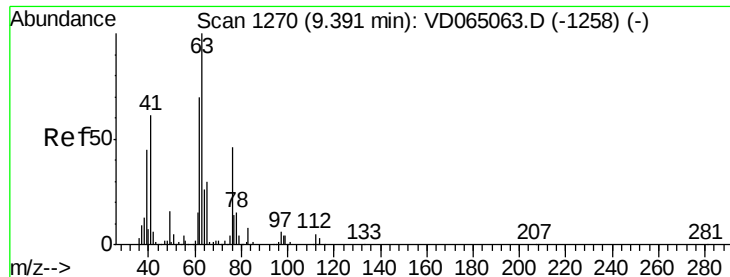
MMDadoda
2/18/2020 10:58:25 AM



#44
Trichloroethene
Concen: 49.313 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.1	0.0	185.0





#45

1,2-Dichloropropane

Concen: 57.159 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 220392

Ion Ratio Lower Upper

63 100

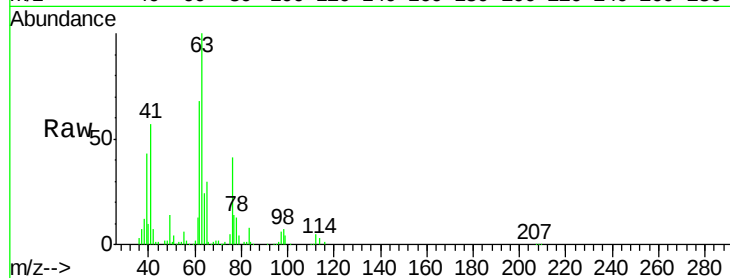
65 30.3 23.9 35.9

Manual Integrations

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MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

120000

100000

80000

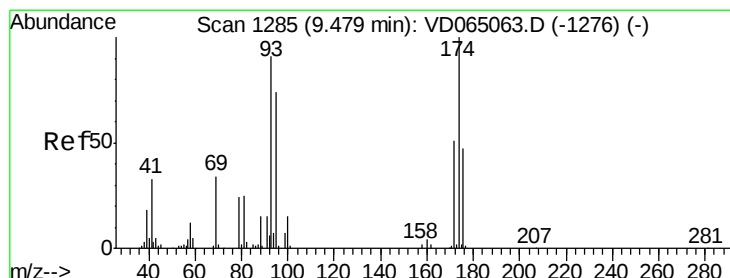
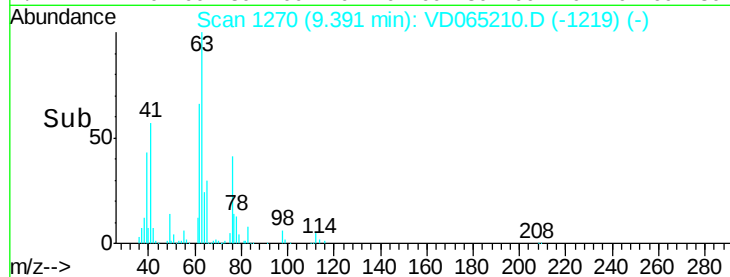
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 56.227 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

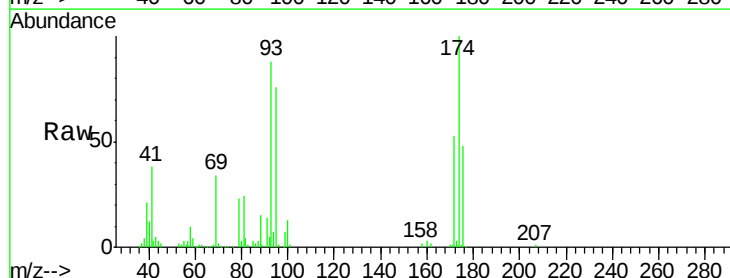
Tgt Ion: 93 Resp: 113922

Ion Ratio Lower Upper

93 100

95 84.2 66.5 99.7

174 109.0 89.8 134.8



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

9.48

80000

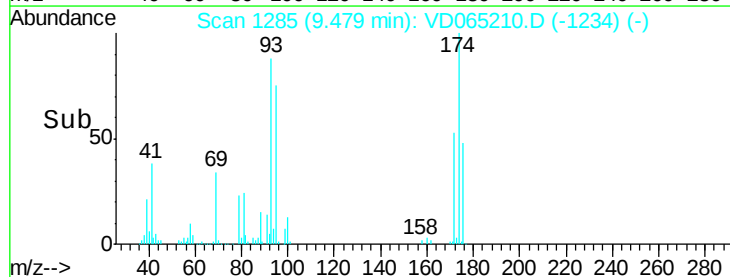
60000

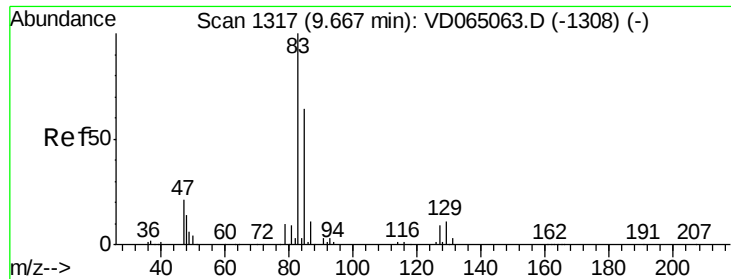
40000

20000

0

Time-->





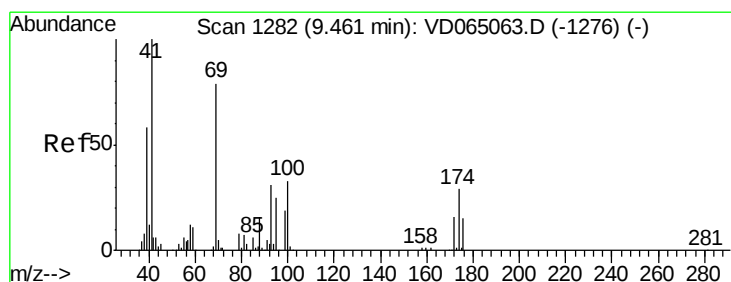
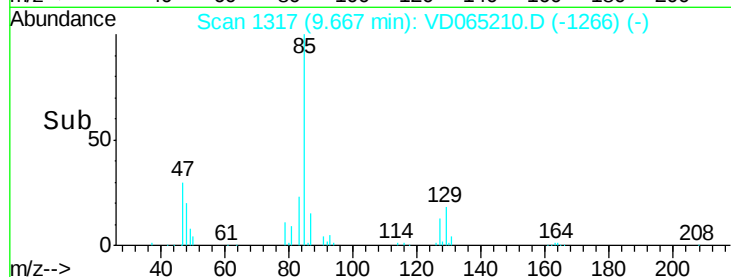
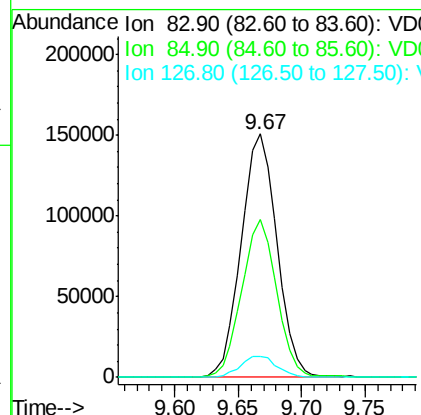
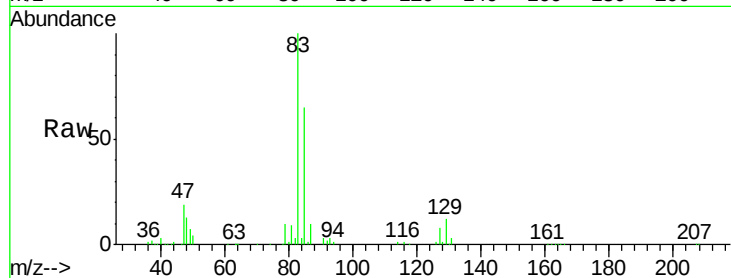
#47
Bromodichloromethane
Concen: 55.515 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	296373		
85	64.7	51.0	76.6	
127	8.4	7.3	10.9	

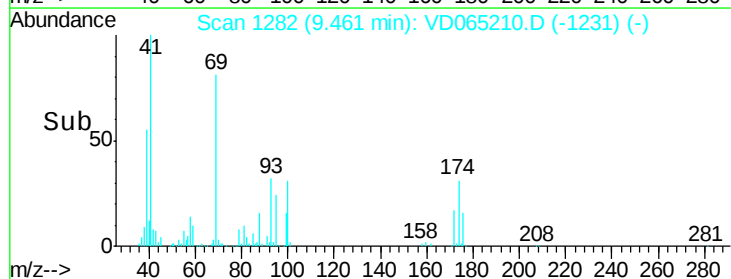
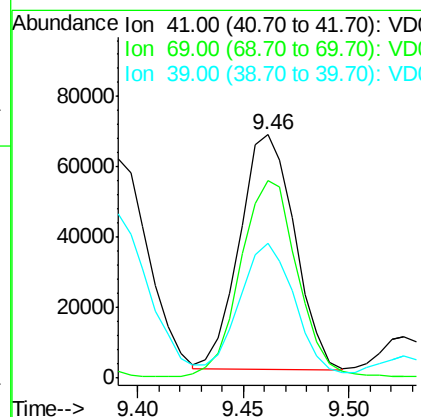
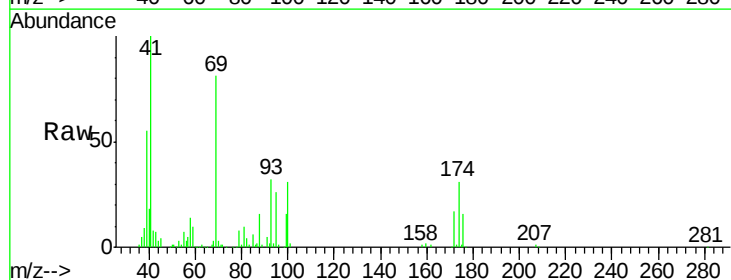
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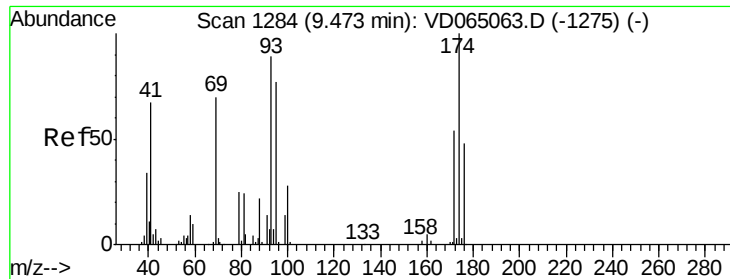
MMDadoda
2/18/2020 10:58:25 AM



#48
Methyl methacrylate
Concen: 54.988 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	120425		
69	87.6	67.5	101.3	
39	54.2	47.0	70.4	





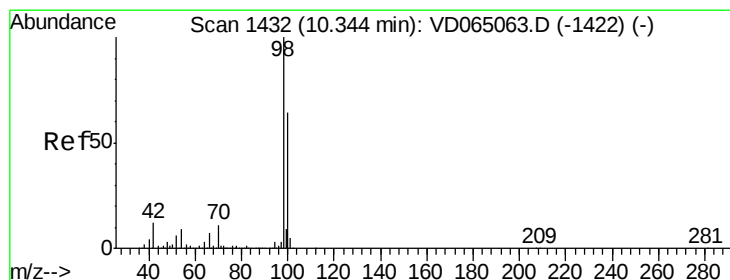
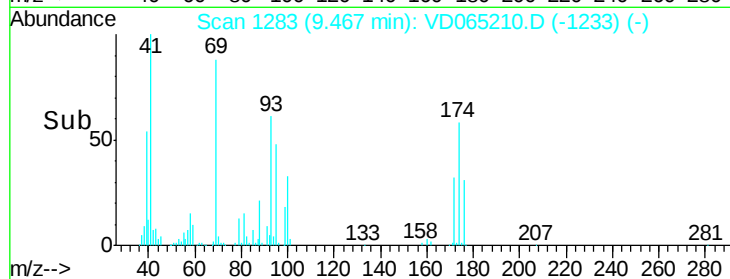
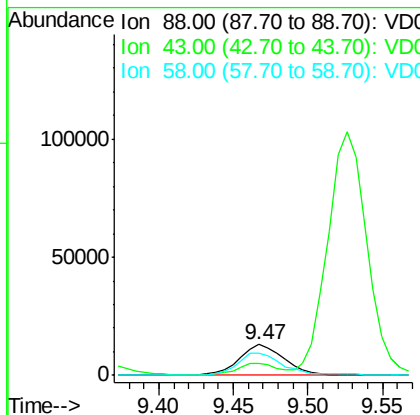
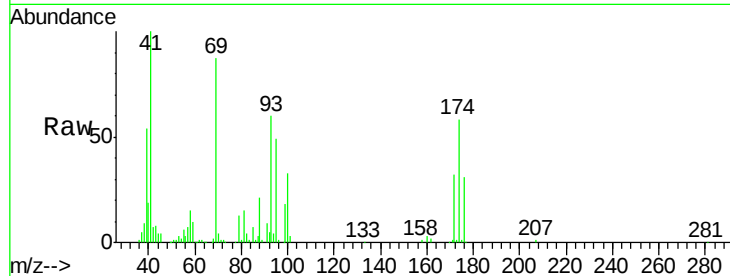
#49
1,4-Dioxane
Concen: 1134.395 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.01 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	27223
Ion	Ratio	Lower	Upper
88	100		
43	34.1	27.7	41.5
58	72.2	55.5	83.3

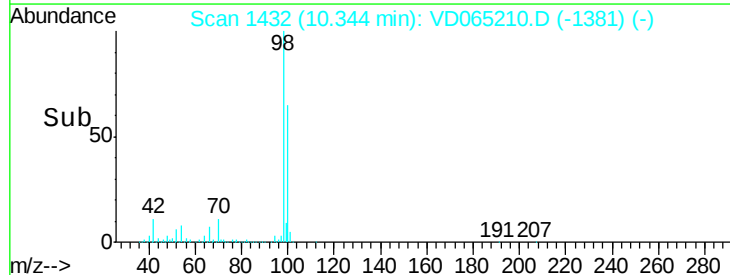
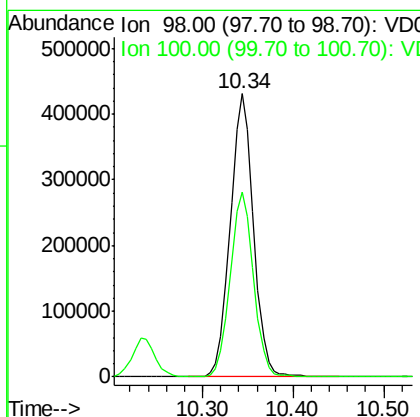
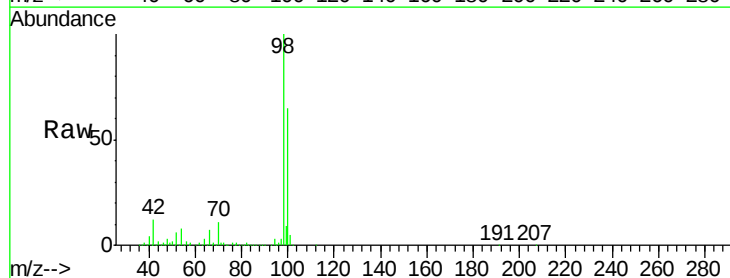
Manual Integrations
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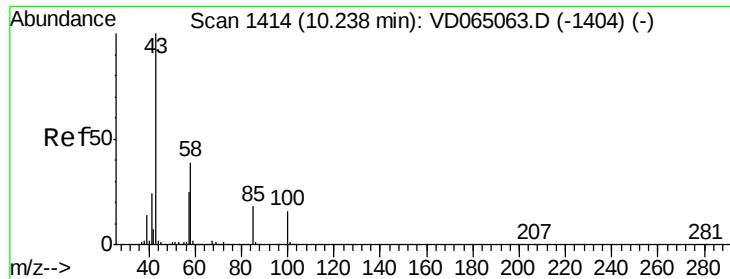
MMDadoda
2/18/2020 10:58:25 AM



#50
Toluene-d8
Concen: 55.184 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Tgt Ion	98	Resp	767519
Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 292.778 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 655864

Ion Ratio Lower Upper

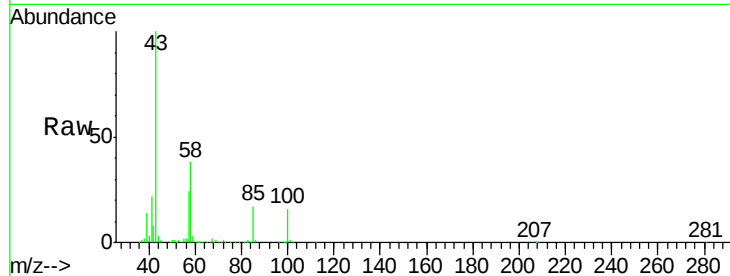
43 100

58 38.4 30.2 45.2

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

400000

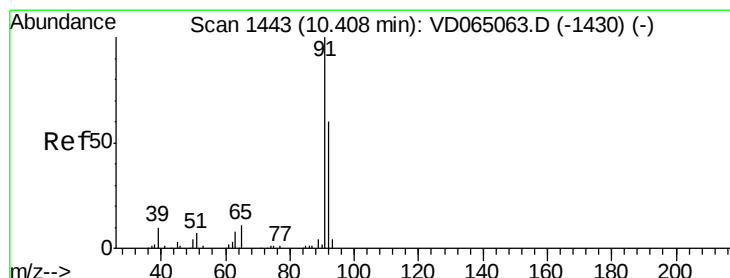
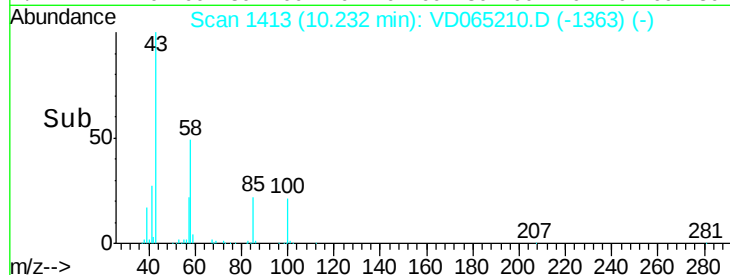
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 53.258 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065210.D

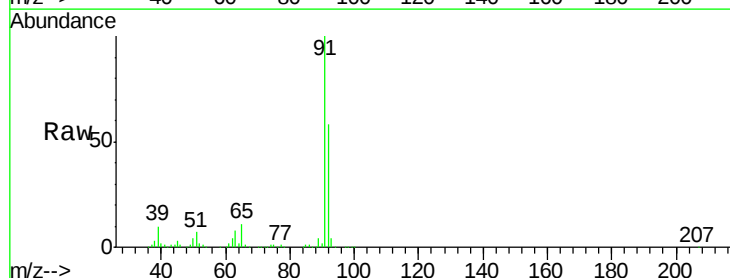
Acq: 17 Feb 2020 21:30

Tgt Ion: 92 Resp: 546643

Ion Ratio Lower Upper

92 100

91 171.7 135.3 202.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

600000

500000

400000

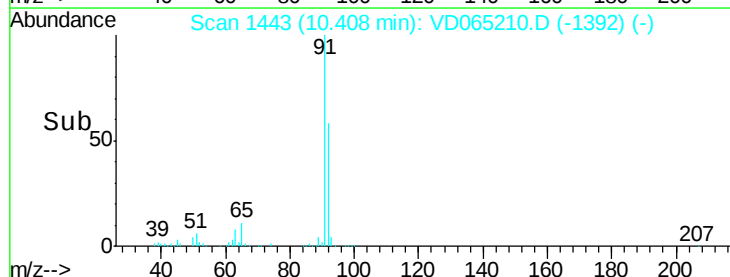
300000

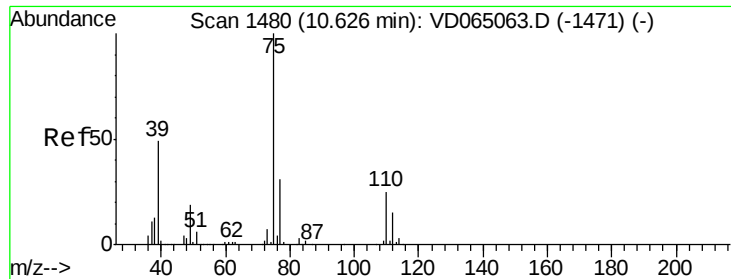
200000

100000

0

Time-->





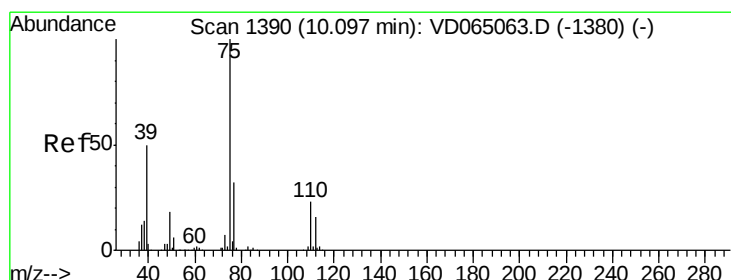
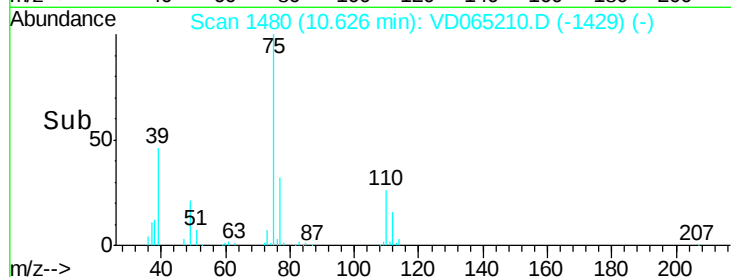
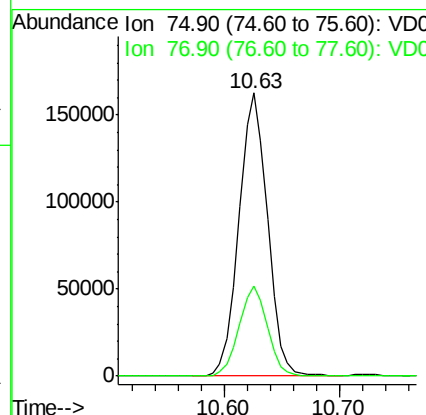
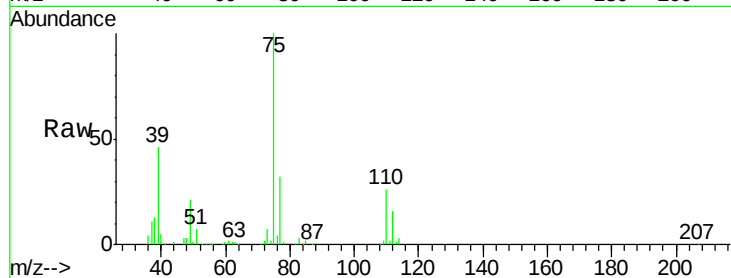
#53
t-1,3-Dichloropropene
Concen: 53.744 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.9	37.3

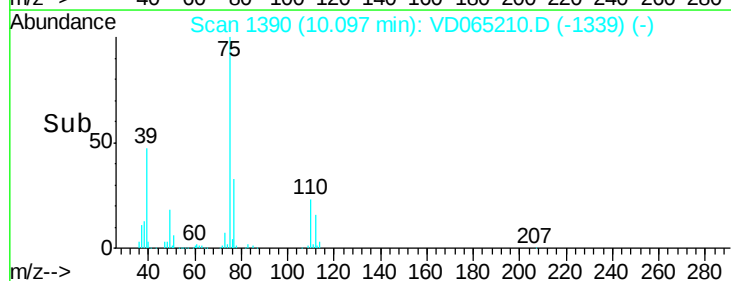
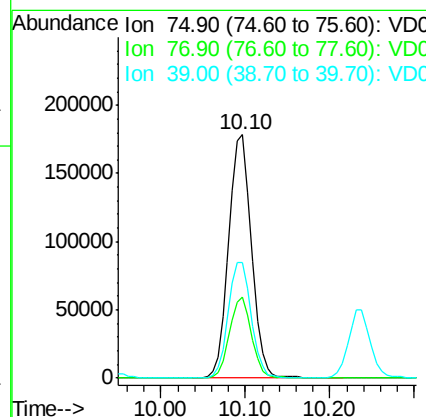
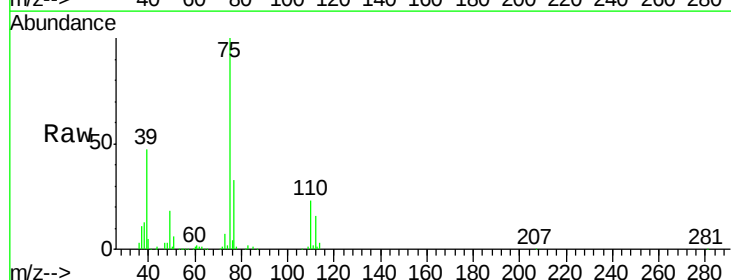
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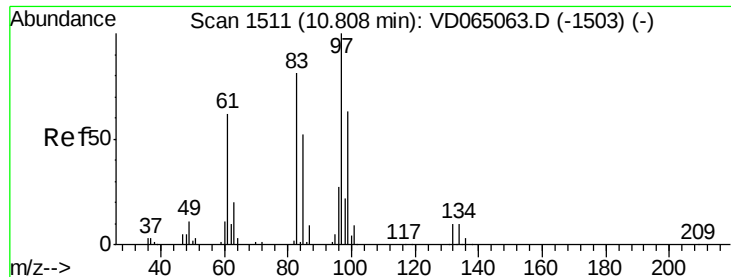
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 53.546 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.0	25.3	37.9
39	47.2	40.3	60.5





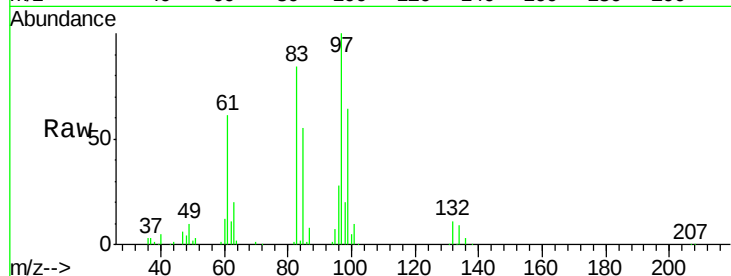
#55
 1,1,2-Trichloroethane
 Concen: 58.039 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065210.D
 Acq: 17 Feb 2020 21:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

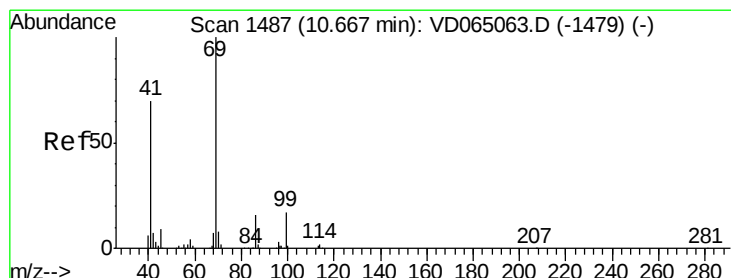
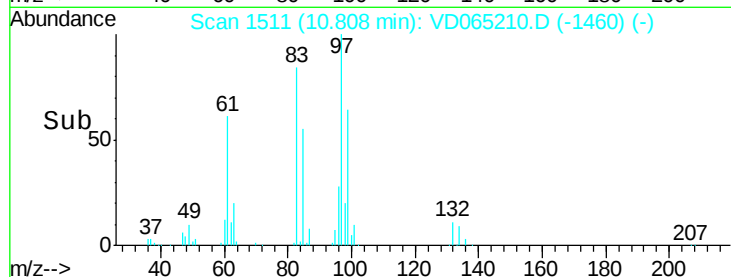
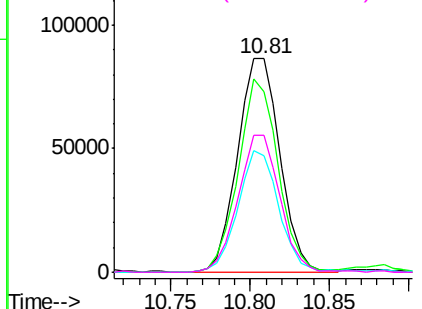
Tot Ion:	97	Resp:	161295
Ion	Ratio	Lower	Upper
97	100		
83	84.1	64.8	97.2
85	54.8	41.2	61.8
99	64.2	50.3	75.5

Manual Integrations
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 2/18/2020 10:58:25 AM

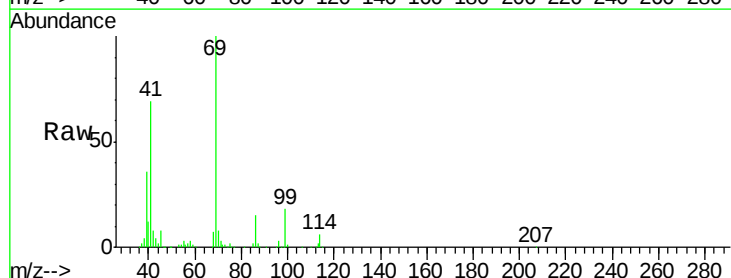


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

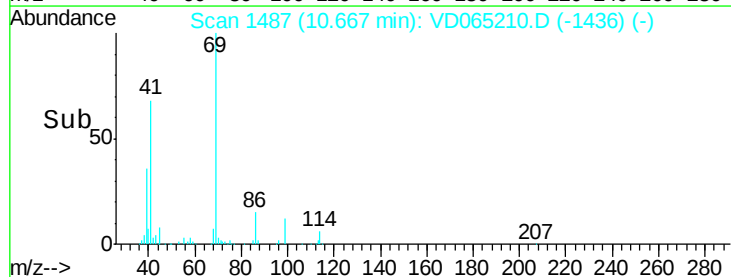
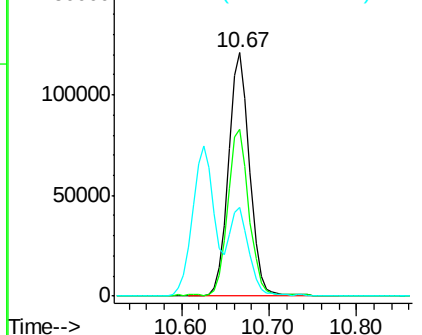


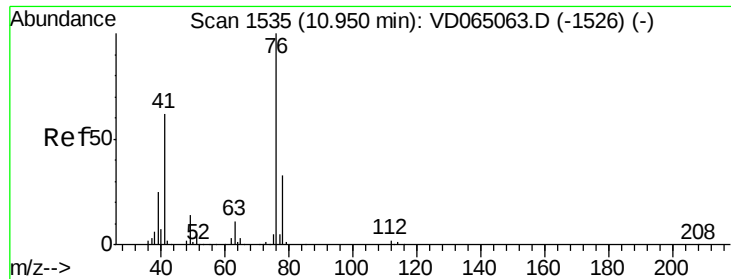
#56
 Ethyl methacrylate
 Concen: 56.829 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065210.D
 Acq: 17 Feb 2020 21:30

Tgt Ion:	69	Resp:	199829
Ion	Ratio	Lower	Upper
69	100		
41	67.4	55.9	83.9
39	33.1	29.4	44.0



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.00 (40.70 to 41.70): VDC
 Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 56.537 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 276286

Ion Ratio Lower Upper

76 100

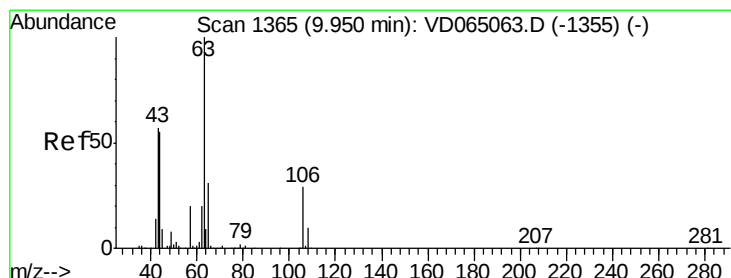
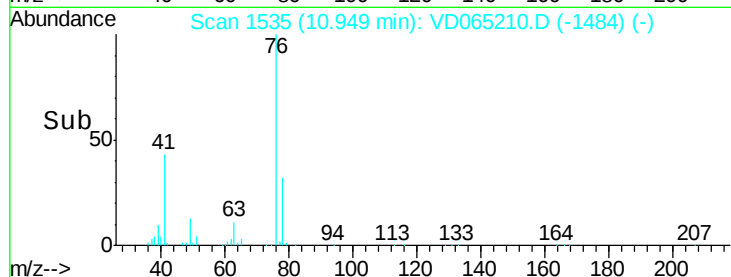
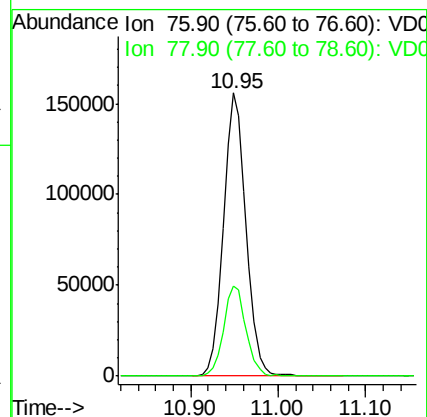
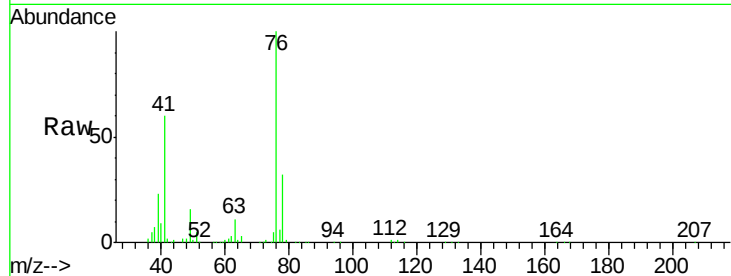
78 31.8 25.8 38.6

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 265.388 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065210.D

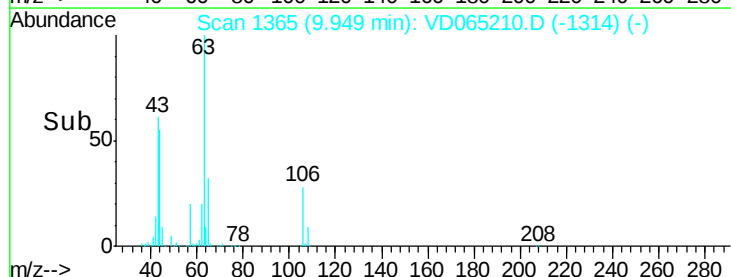
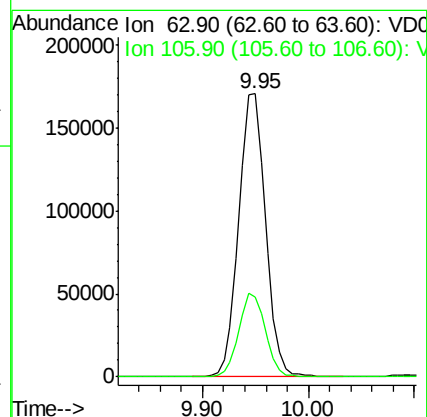
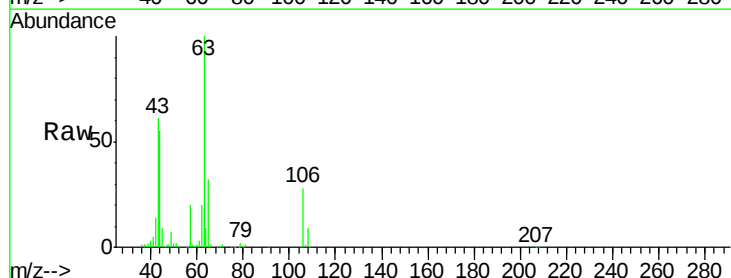
Acq: 17 Feb 2020 21:30

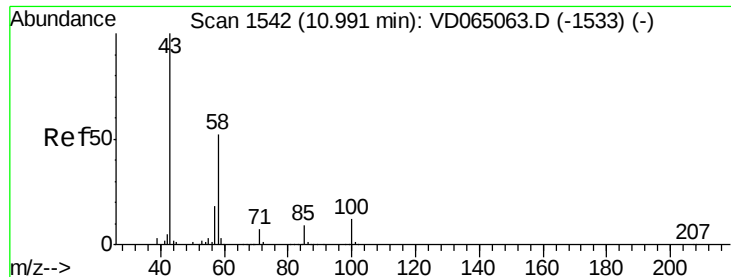
Tgt Ion: 63 Resp: 300184

Ion Ratio Lower Upper

63 100

106 29.2 23.3 34.9





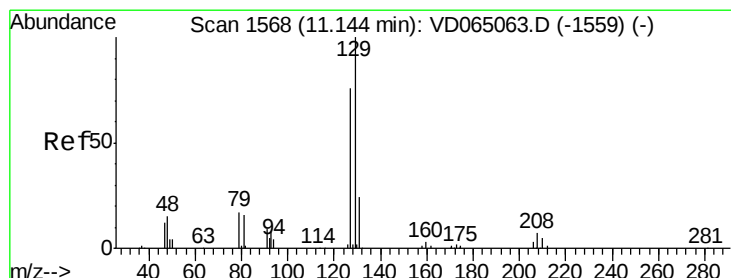
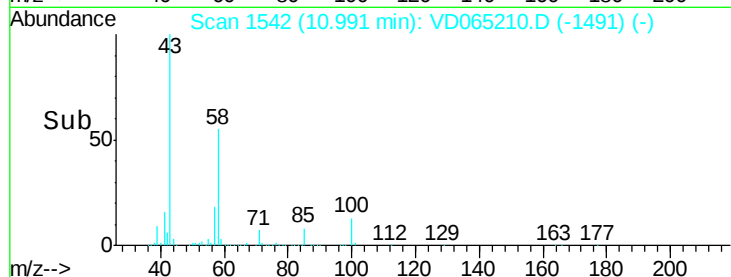
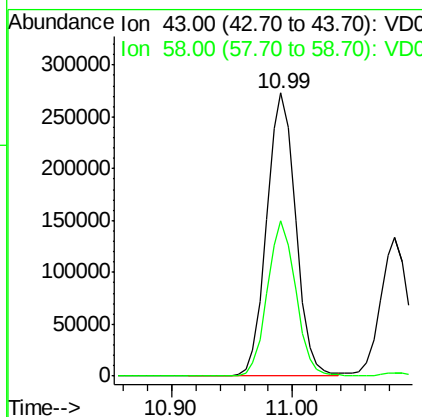
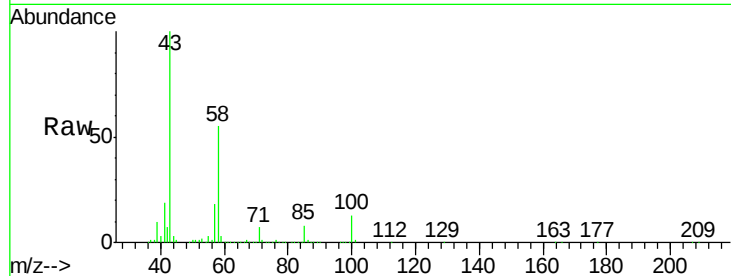
#59
2-Hexanone
Concen: 284.242 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 451020
Ion Ratio Lower Upper
43 100
58 54.1 26.2 78.6

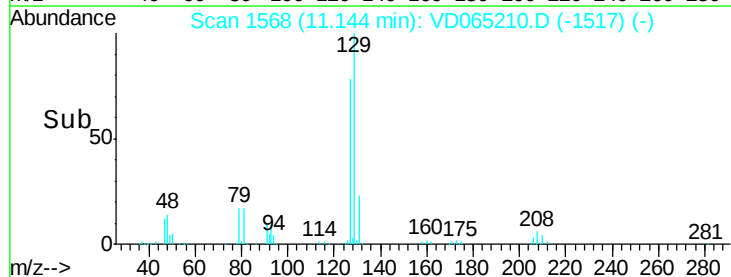
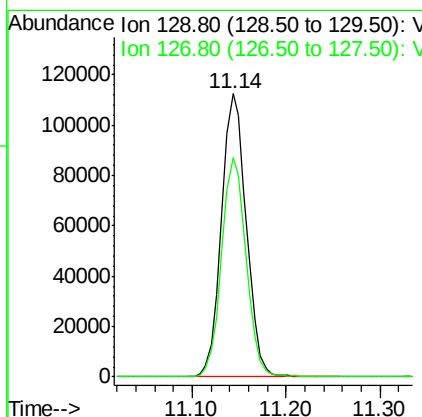
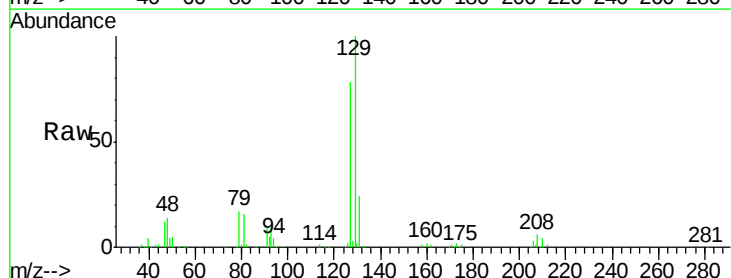
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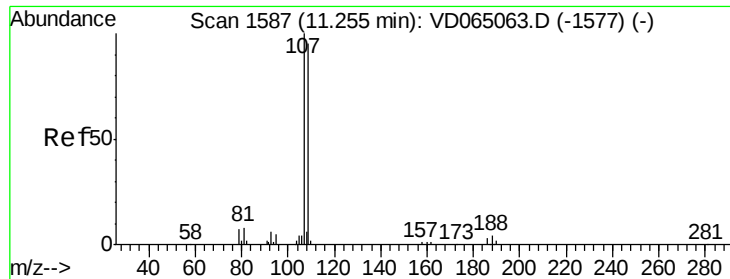
MMDadoda
2/18/2020 10:58:25 AM



#60
Dibromochloromethane
Concen: 57.493 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Tgt Ion: 129 Resp: 206955
Ion Ratio Lower Upper
129 100
127 76.7 38.3 114.9





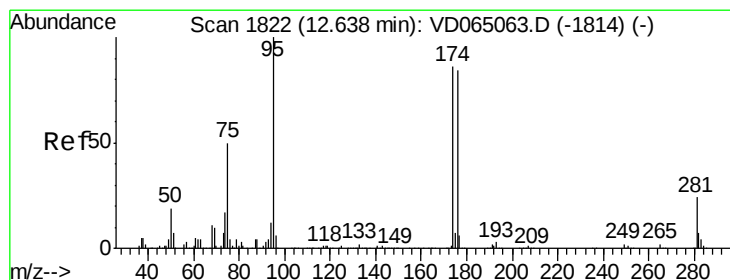
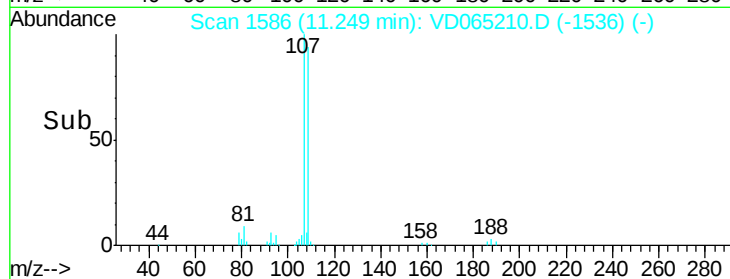
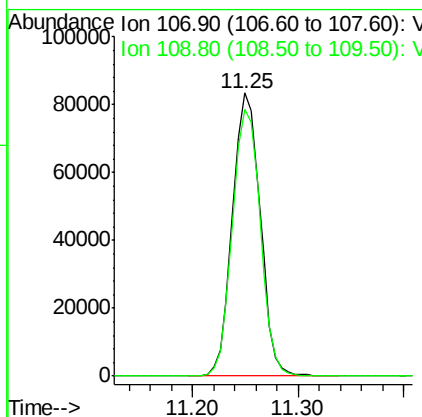
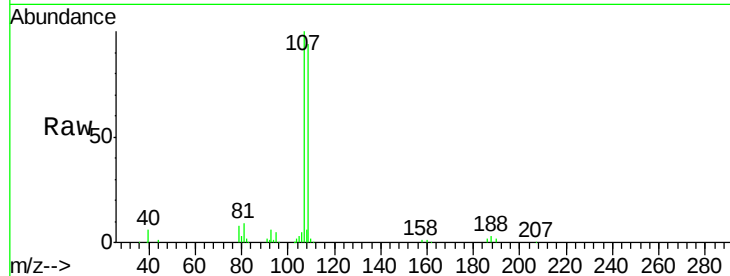
#61
 1,2-Dibromoethane
 Concen: 55.924 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: VD065210.D
 Acq: 17 Feb 2020 21:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	151861		
109	94.8	75.5	113.3	

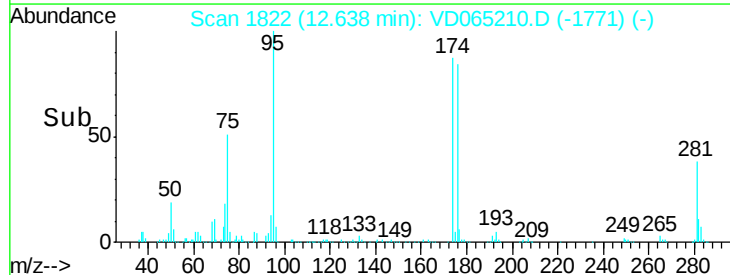
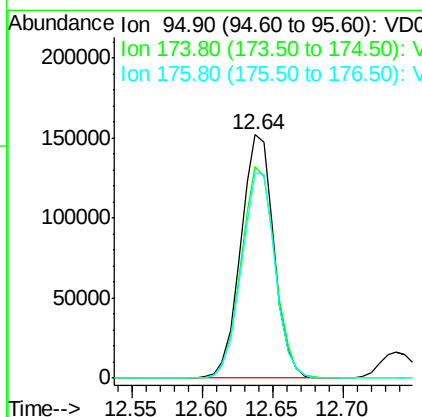
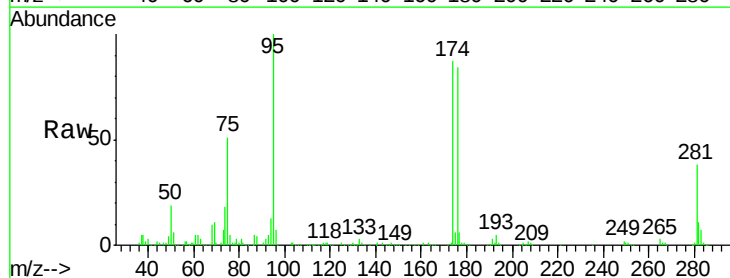
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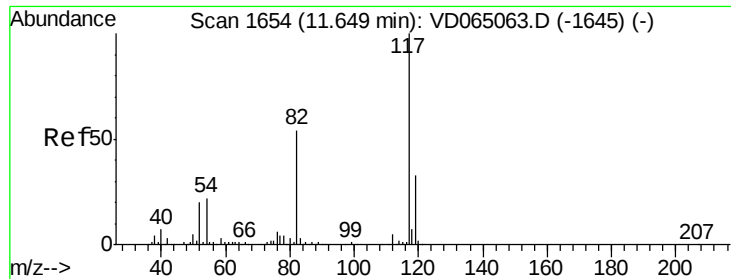
MMDadoda
 2/18/2020 10:58:25 AM



#62
 4-Bromofluorobenzene
 Concen: 56.645 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065210.D
 Acq: 17 Feb 2020 21:30

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	249640		
174	88.8	0.0	180.0	
176	85.7	0.0	173.2	





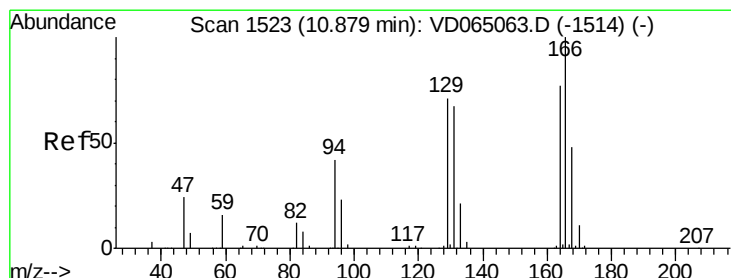
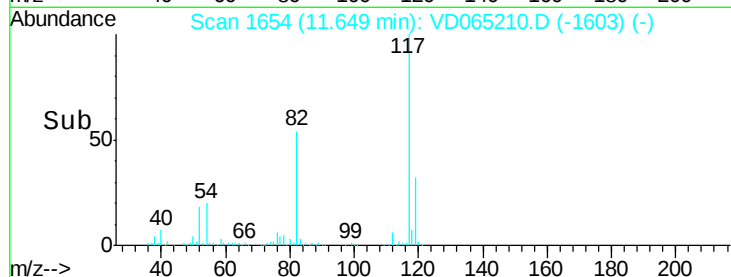
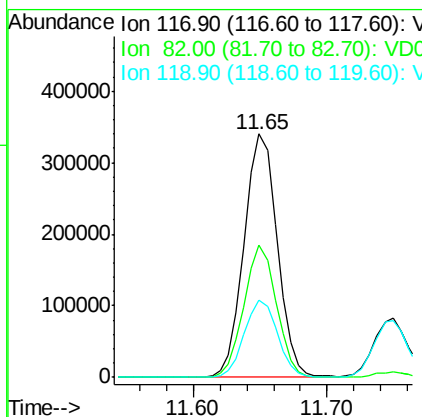
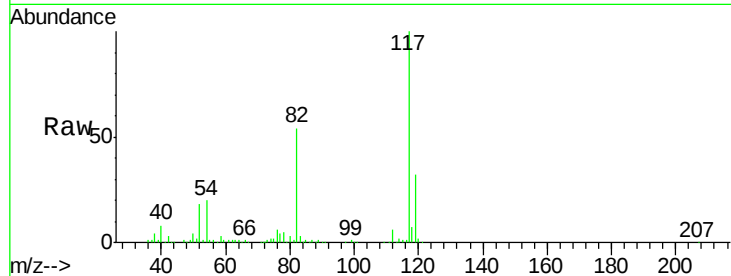
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	585122		
82	54.1	43.1	64.7	
119	31.8	26.0	39.0	

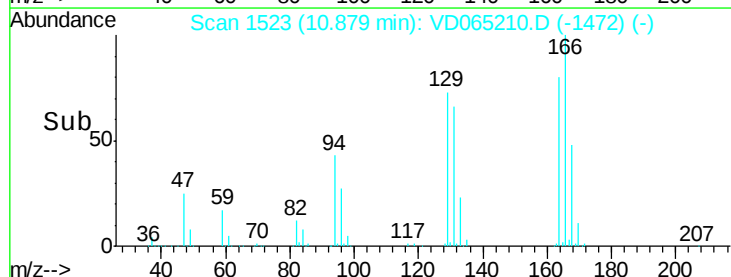
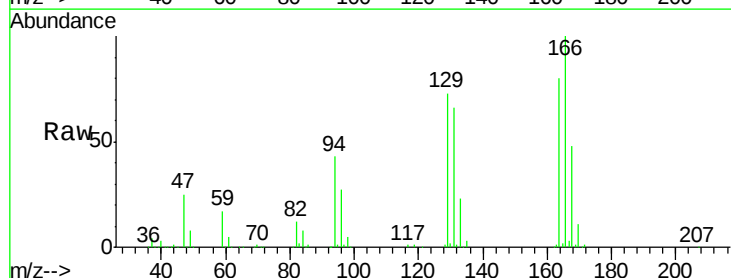
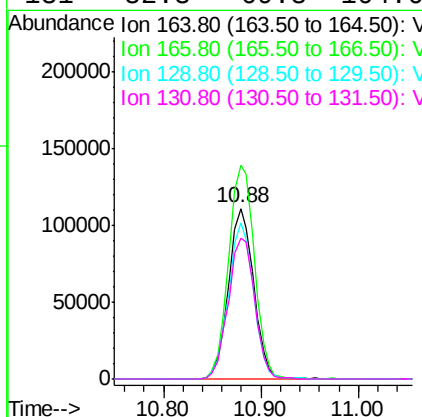
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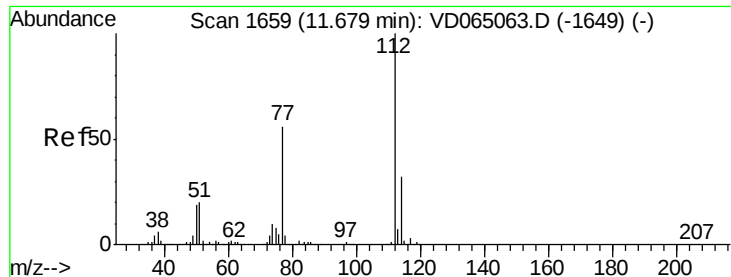
MMDadoda
2/18/2020 10:58:25 AM



#64
Tetrachloroethene
Concen: 47.221 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	198535		
166	125.0	103.5	155.3	
129	91.5	73.3	109.9	
131	82.3	69.8	104.6	





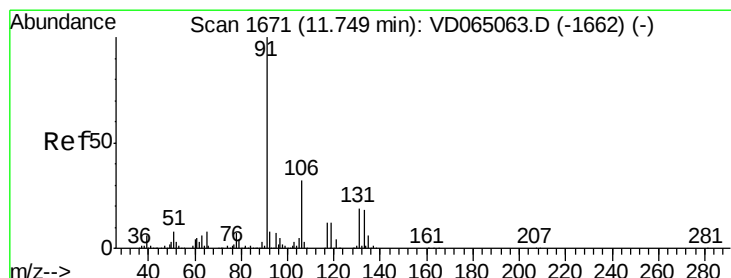
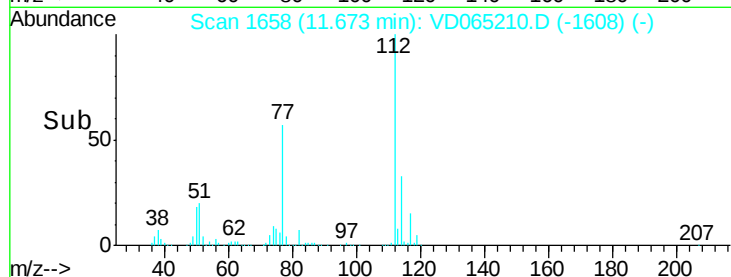
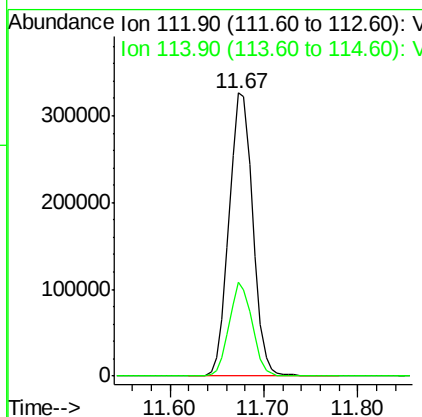
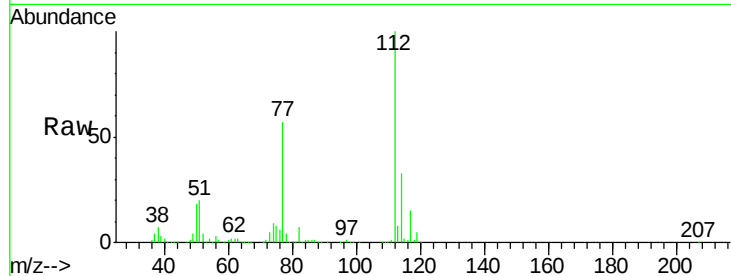
#65
Chlorobenzene
Concen: 50.697 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.2	25.4	38.0

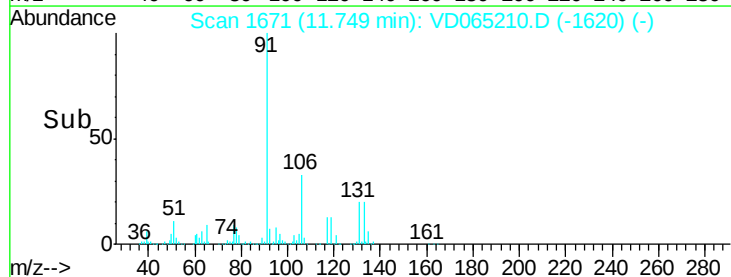
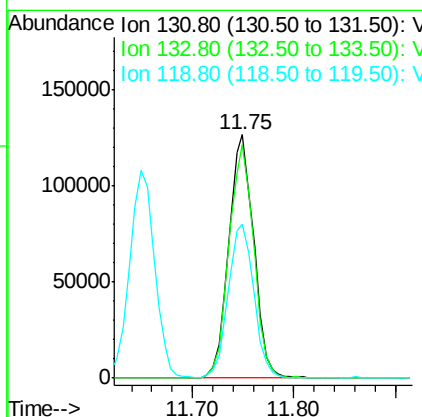
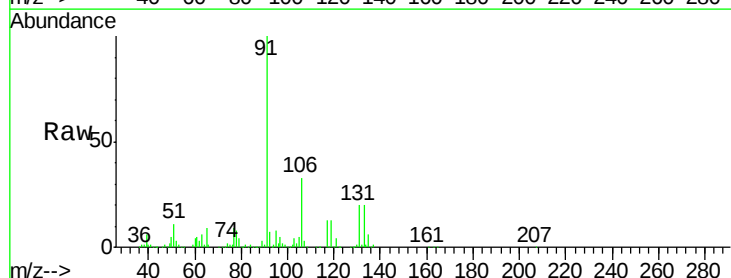
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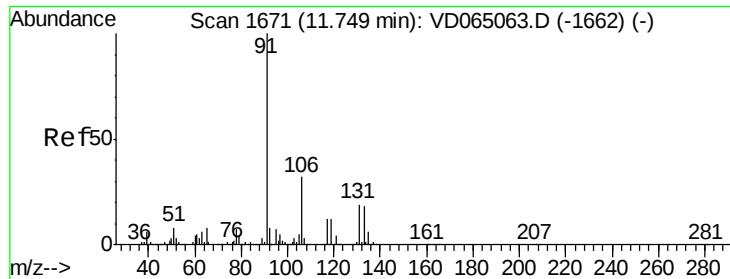
MMDadoda
2/18/2020 10:58:25 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.855 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.5	47.7	143.1
119	64.9	31.3	93.8





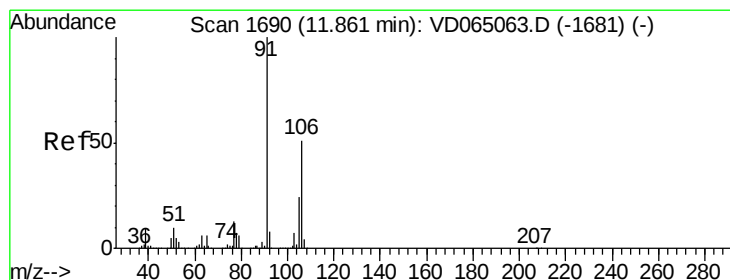
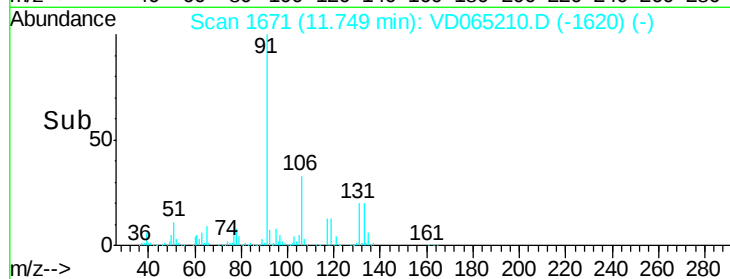
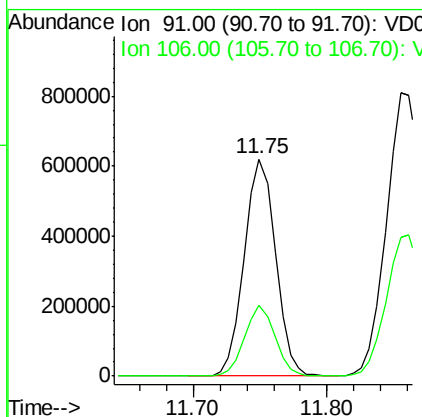
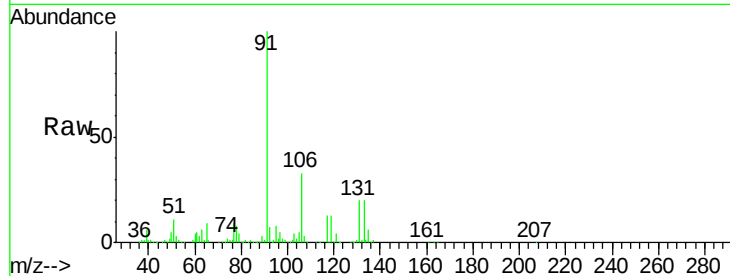
#67
Ethyl Benzene
Concen: 49.104 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1009630
Ion Ratio Lower Upper
91 100
106 32.5 25.4 38.2

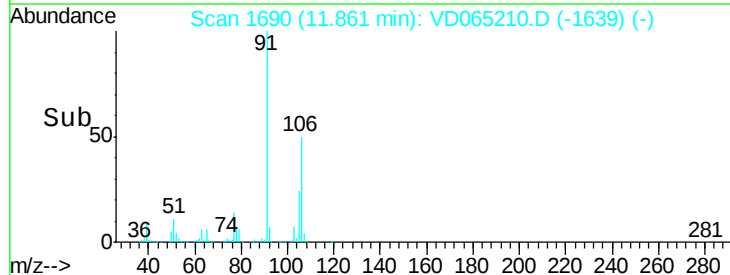
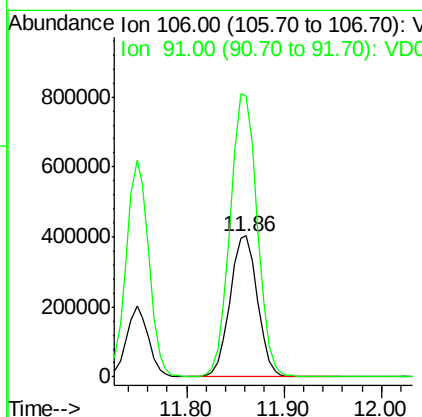
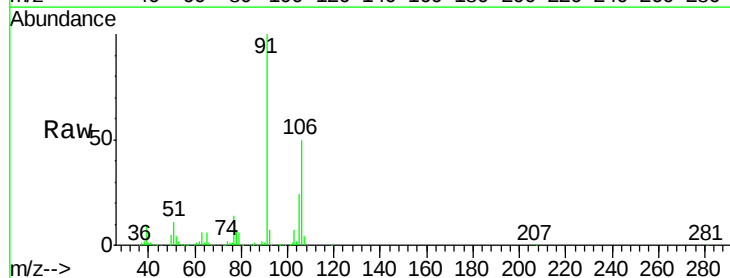
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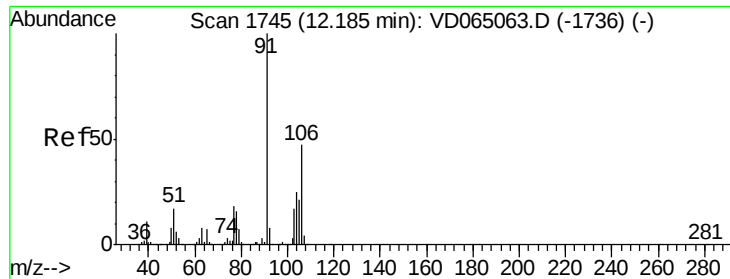
MMDadoda
2/18/2020 10:58:25 AM



#68
m/p-Xylenes
Concen: 100.136 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Tgt Ion: 106 Resp: 785831
Ion Ratio Lower Upper
106 100
91 198.3 158.9 238.3





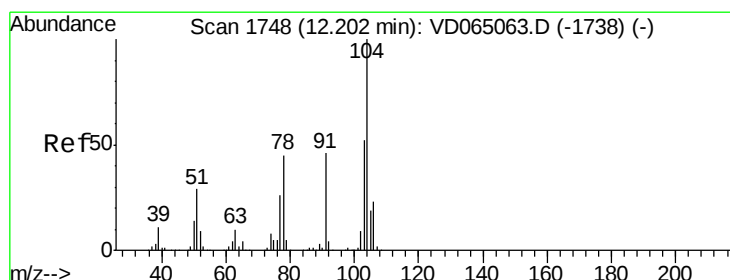
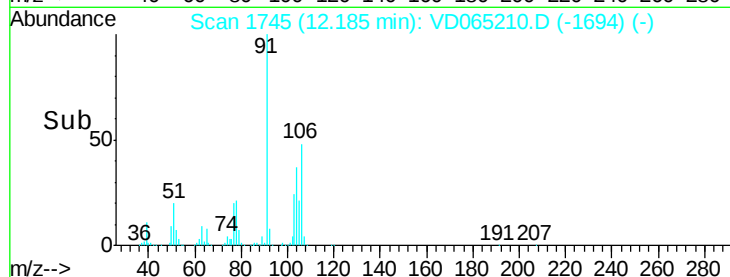
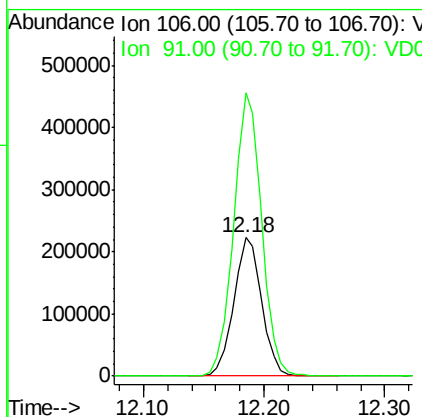
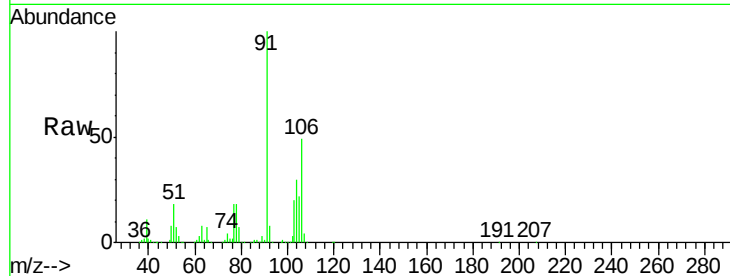
#69
o-Xylene
Concen: 50.598 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	205.9	104.7	313.9

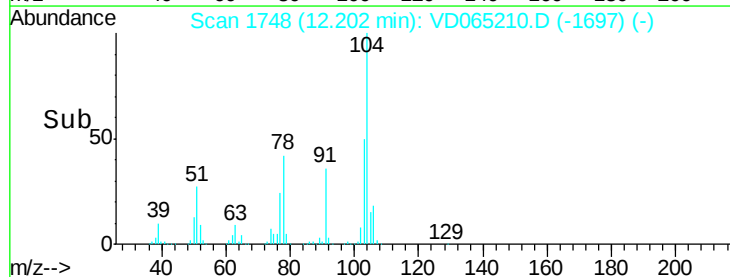
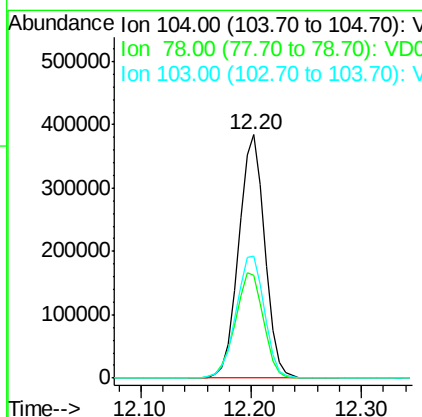
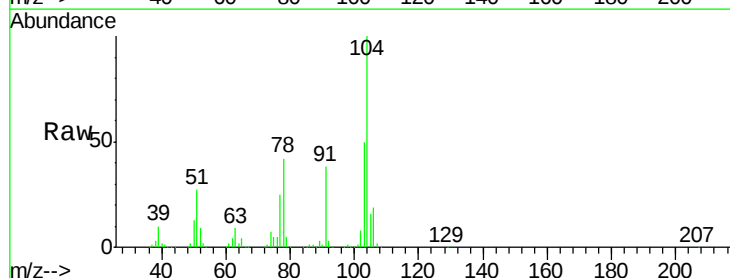
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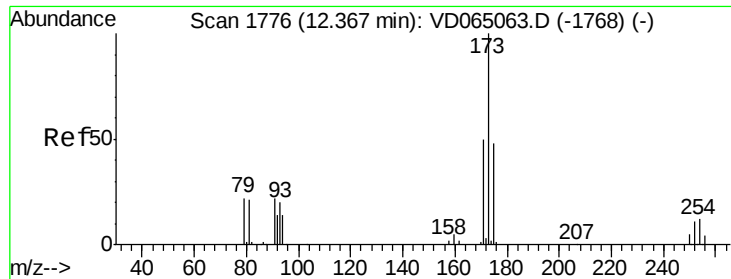
MMDadoda
2/18/2020 10:58:25 AM



#70
Styrene
Concen: 51.851 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.3	38.5	57.7
103	54.7	43.8	65.8





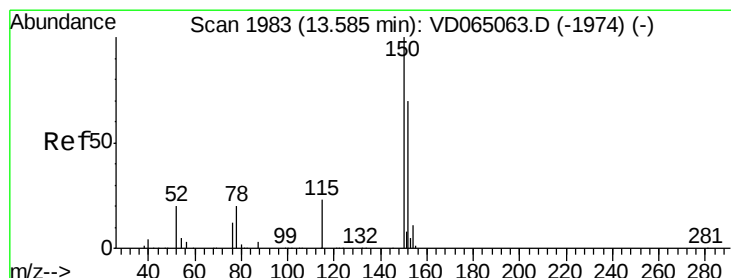
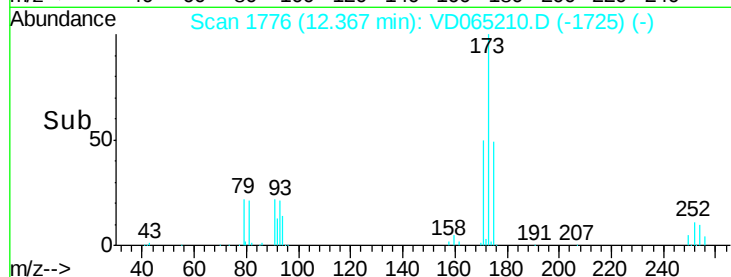
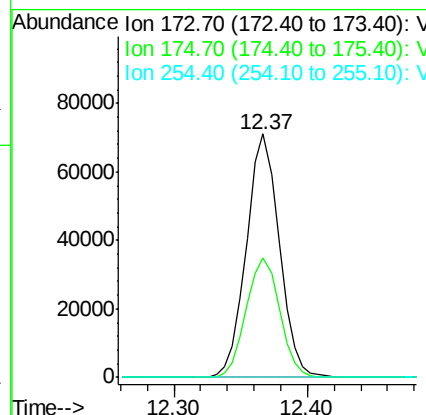
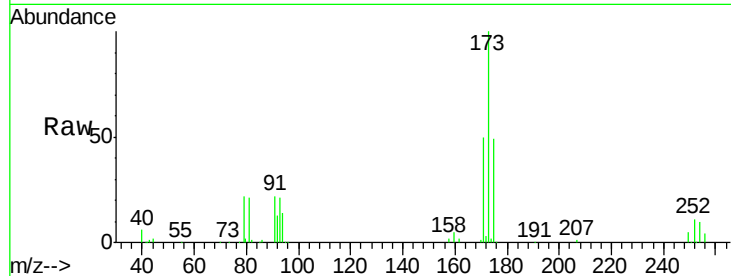
#71
Bromoform
Concen: 53.873 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.8	24.3	72.8
254	0.1	0.1	0.1

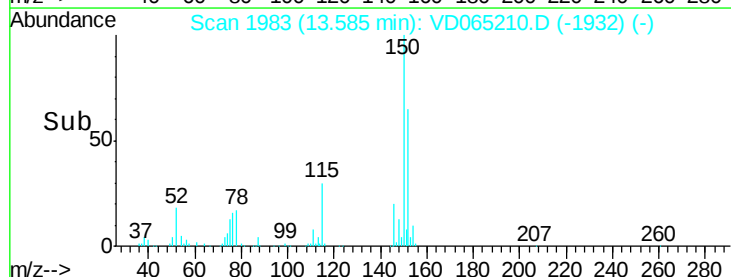
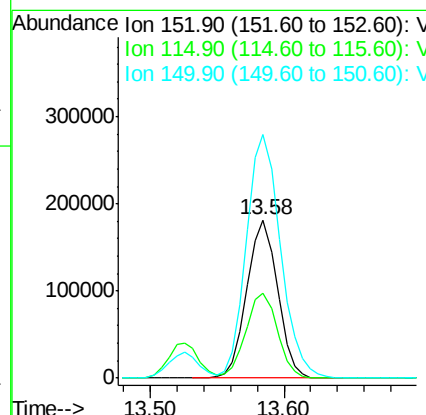
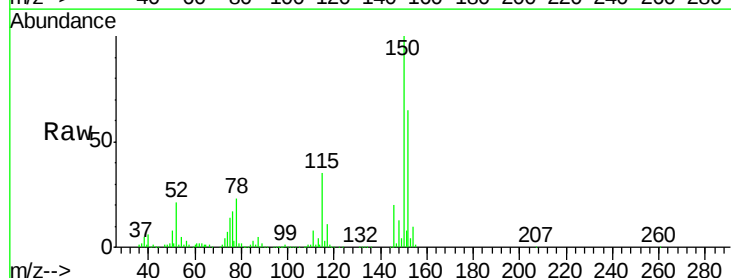
Manual Integrations
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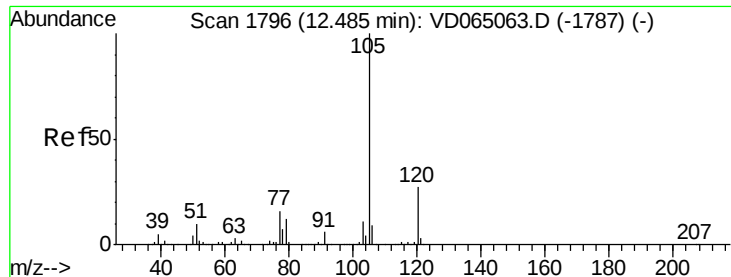
MMDadoda
2/18/2020 10:58:25 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	27.5	82.4
150	171.3	0.0	343.2





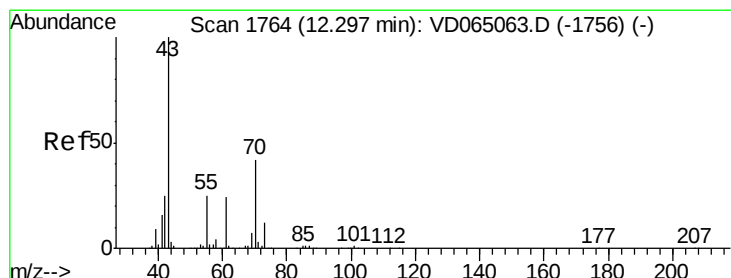
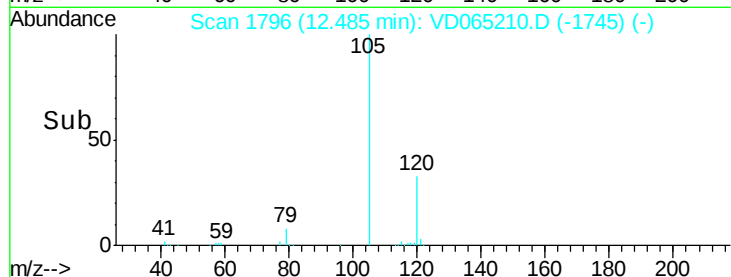
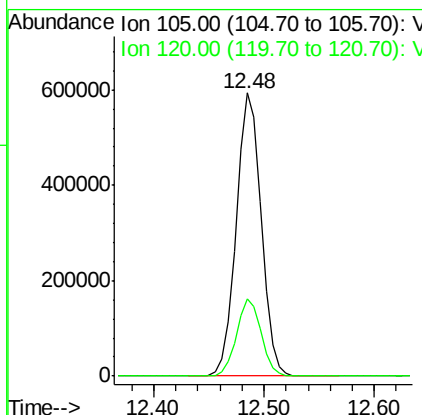
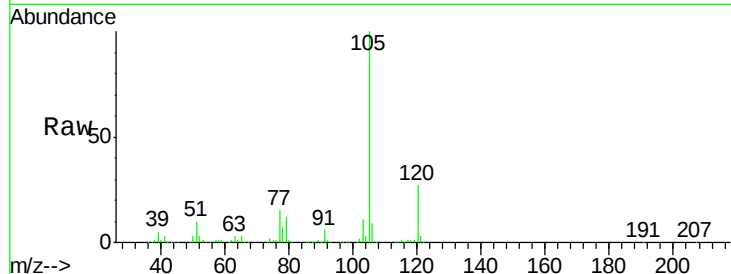
#73
Isopropylbenzene
Concen: 47.588 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.3	39.9

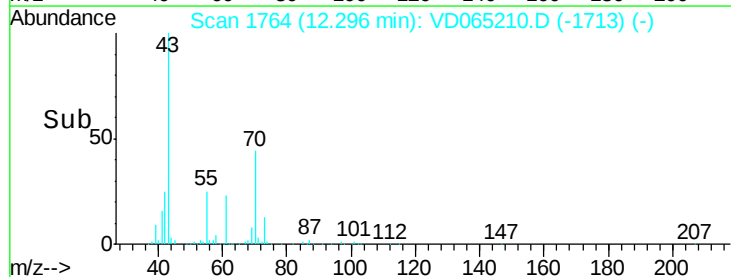
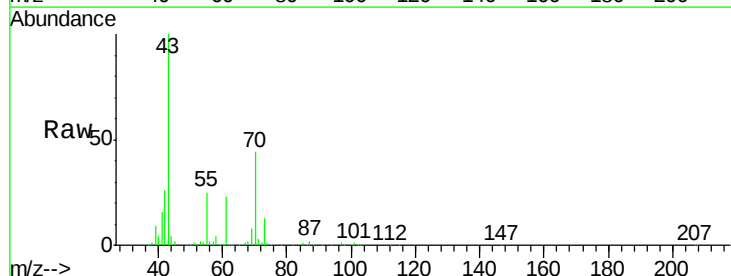
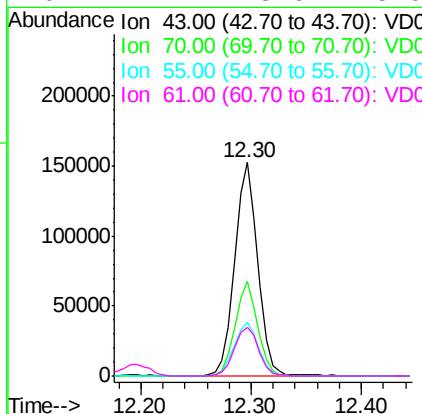
Manual Integrations
APPROVED

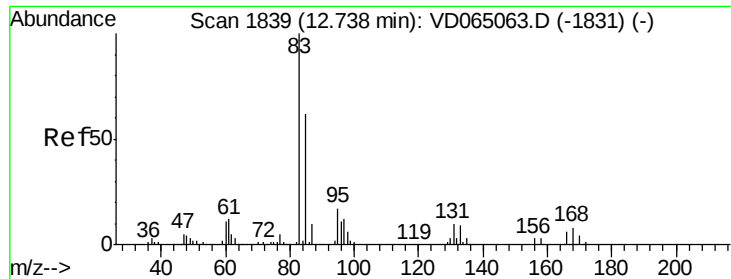
MMDadoda
2/18/2020 10:58:25 AM



#74
N-ethyl acetate
Concen: 51.860 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.3	33.5	50.3
55	26.6	19.4	29.2
61	24.1	18.6	28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 55.690 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

Instrument :

MSVOA_D

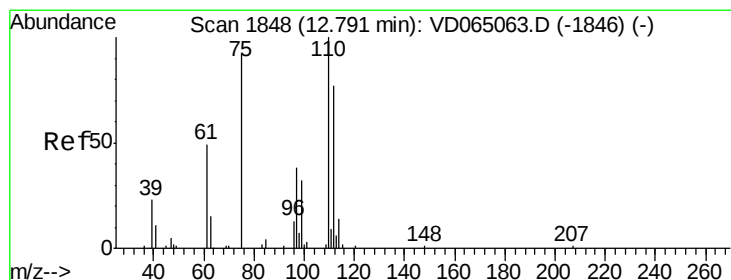
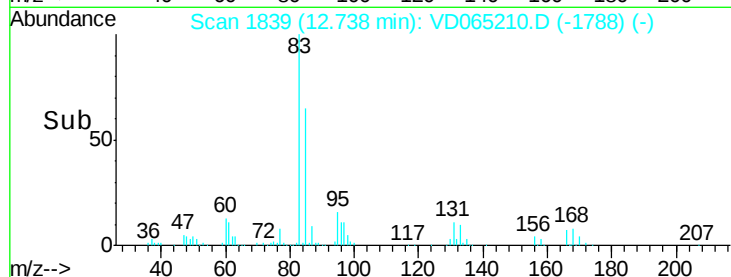
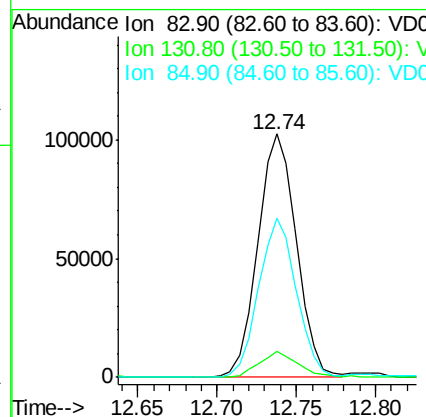
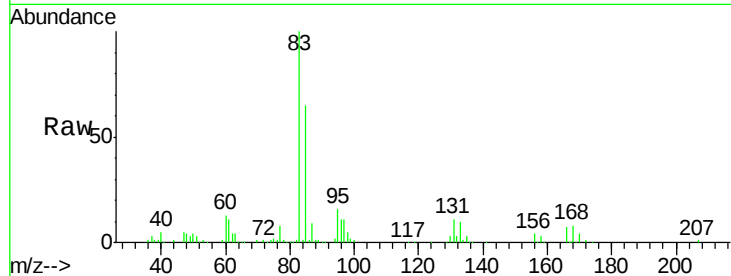
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	173694
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.5	16.4
85	64.0	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 52.488 ug/l m

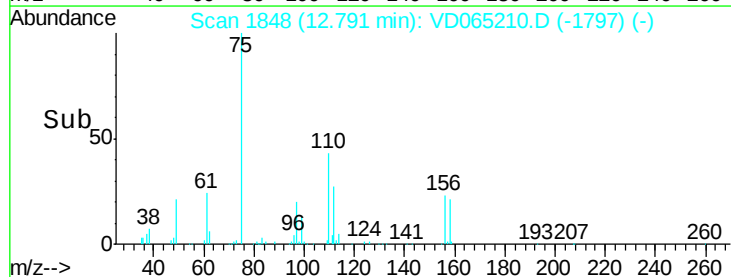
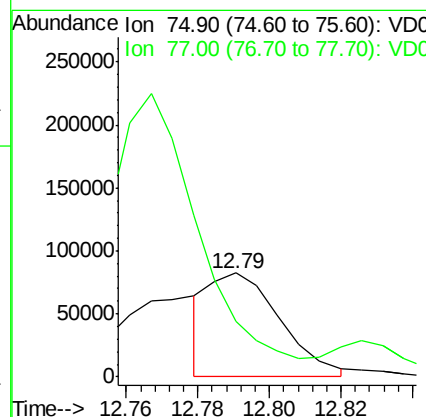
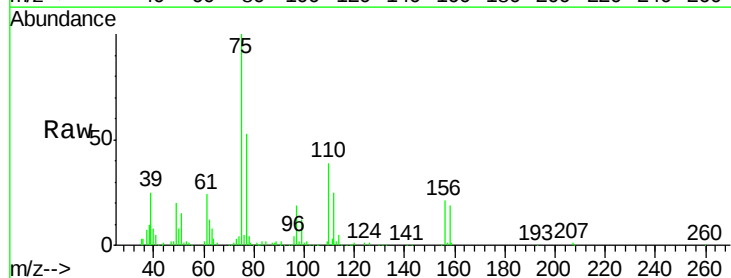
RT: 12.79 min Scan# 1848

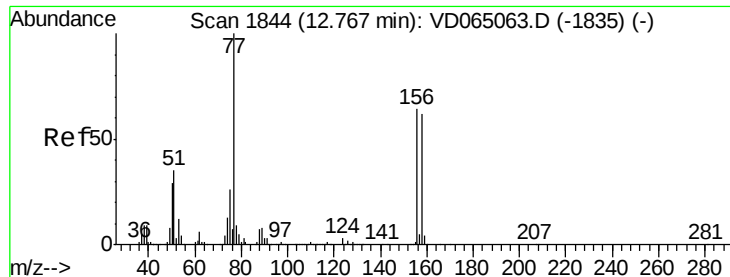
Delta R.T. -0.00 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

Tgt Ion:	75	Resp:	114739
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.753 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065210.D

Acq: 17 Feb 2020 21:30

Instrument :

MSVOA_D

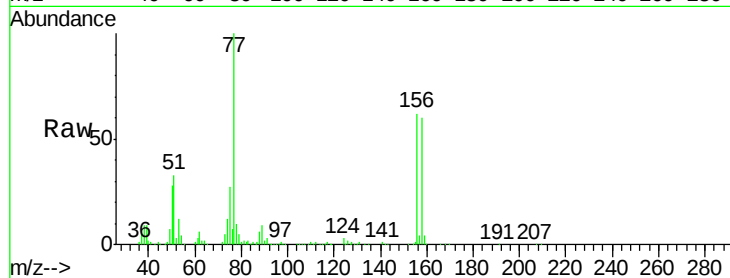
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	237556
Ion Ratio	Lower	Upper	
156	100		
77	173.0	85.6	256.8
158	96.9	47.4	142.2

Manual Integrations
APPROVED

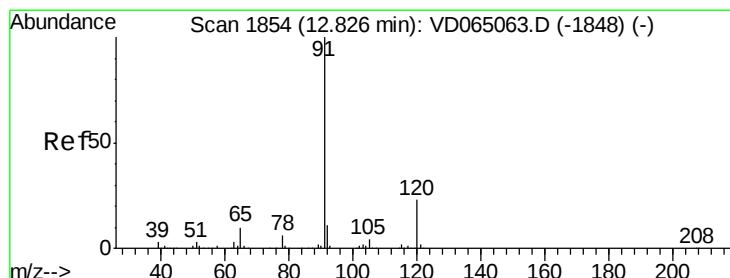
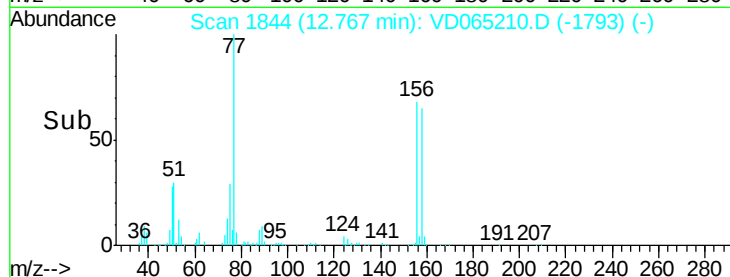
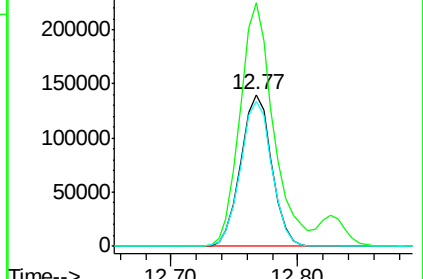
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.261 ug/l

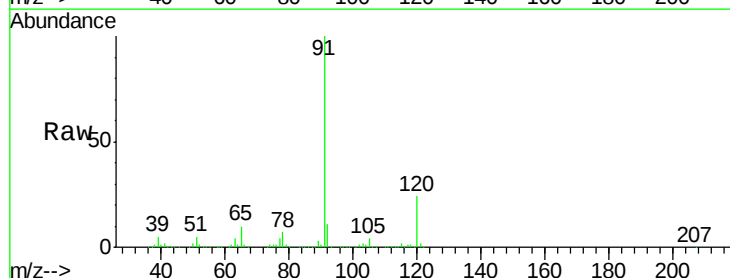
RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065210.D

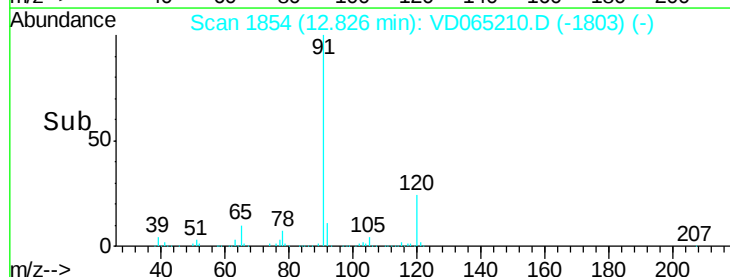
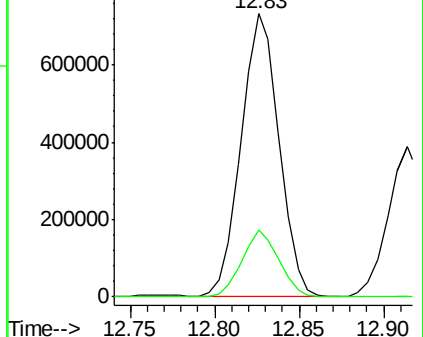
Acq: 17 Feb 2020 21:30

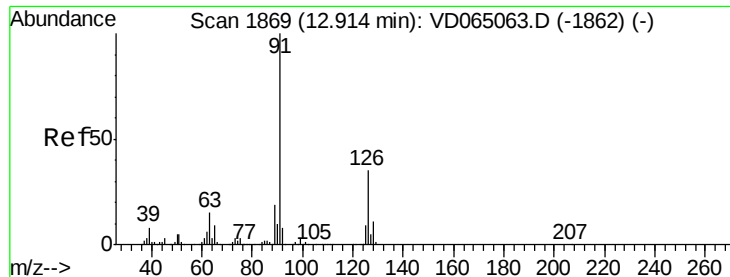
Tgt Ion:	91	Resp:	1143253
Ion Ratio	Lower	Upper	
91	100		
120	22.9	11.8	35.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





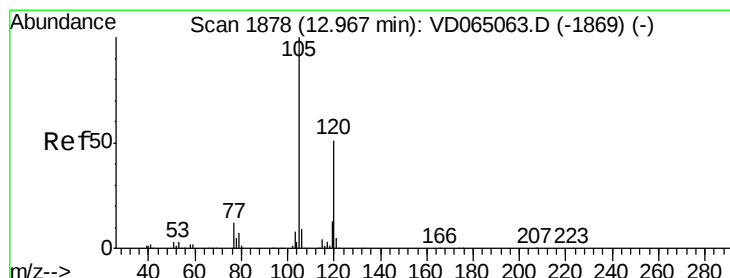
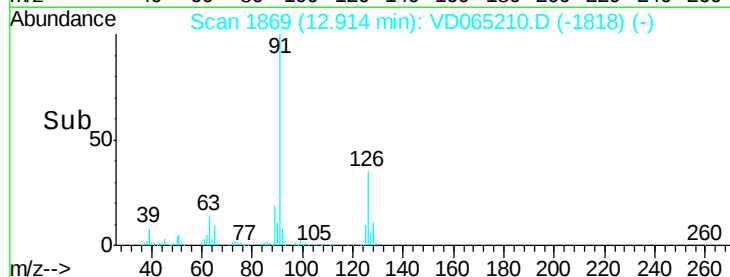
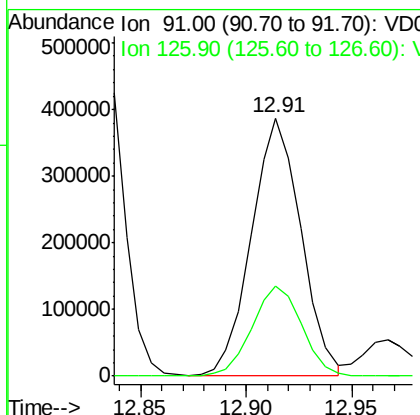
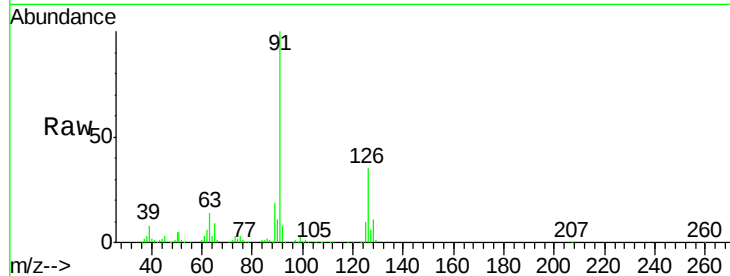
#79
2-Chlorotoluene
Concen: 48.661 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.4	52.3

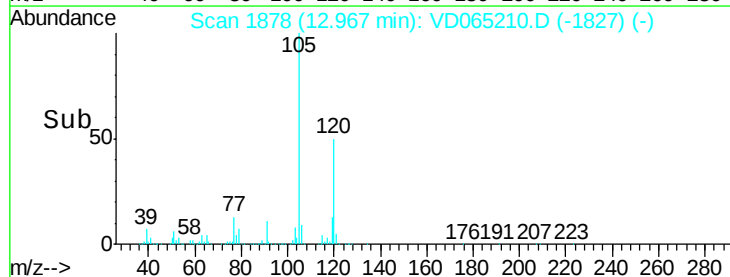
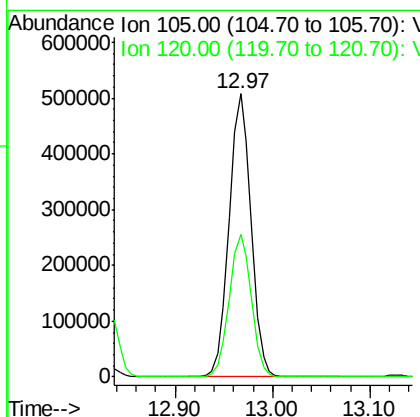
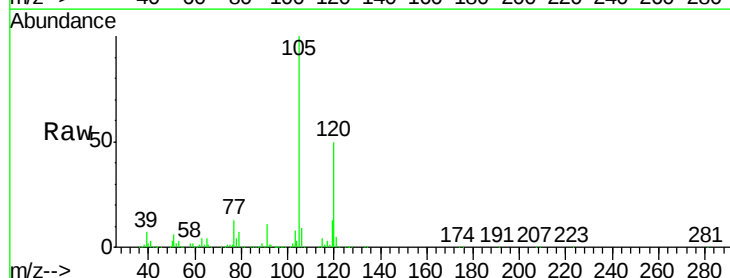
Manual Integrations
APPROVED

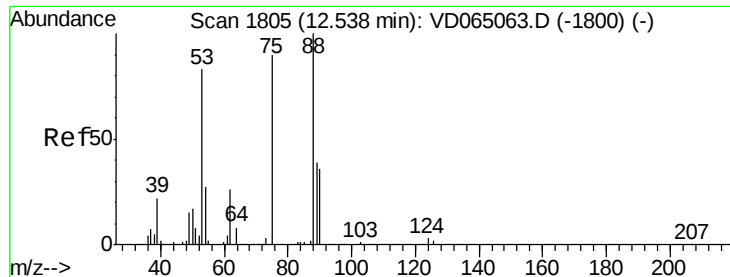
MMDadoda
2/18/2020 10:58:25 AM



#80
1,3,5-Trimethylbenzene
Concen: 48.674 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. -0.00 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.6	25.1	75.4





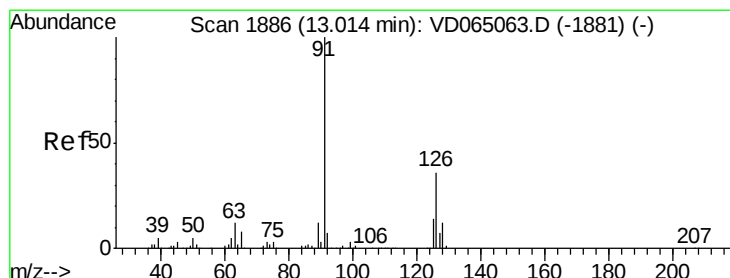
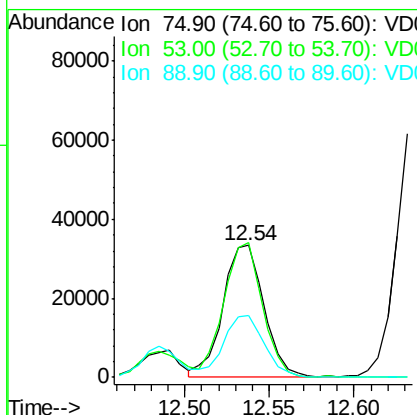
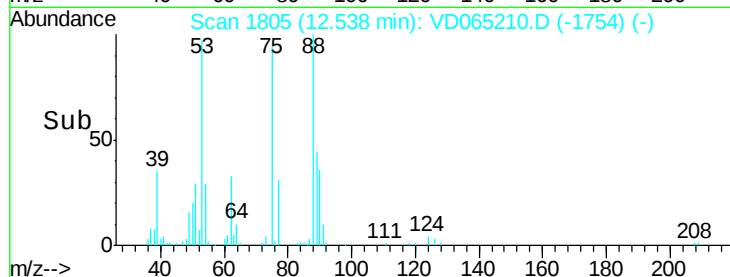
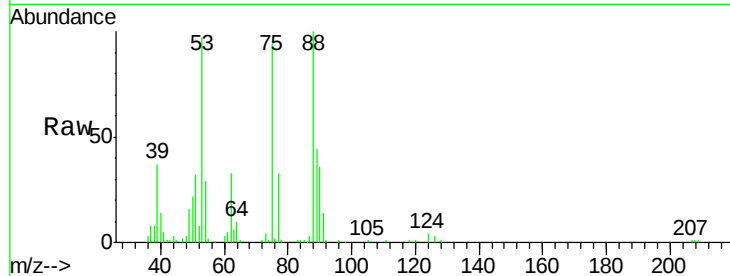
#81
trans-1,4-Dichloro-2-butene
Concen: 51.950 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. -0.00 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.4	78.5	117.7
89	45.5	37.0	55.4

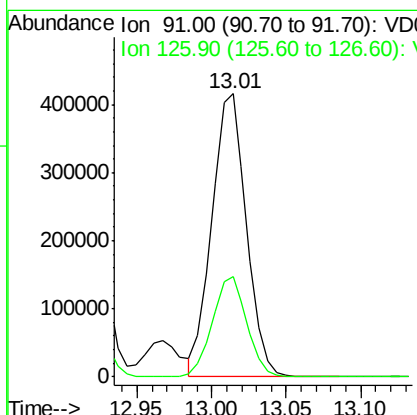
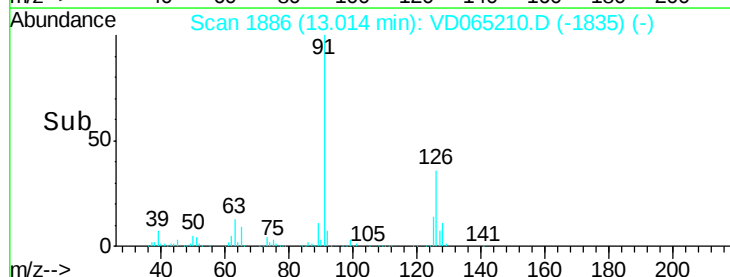
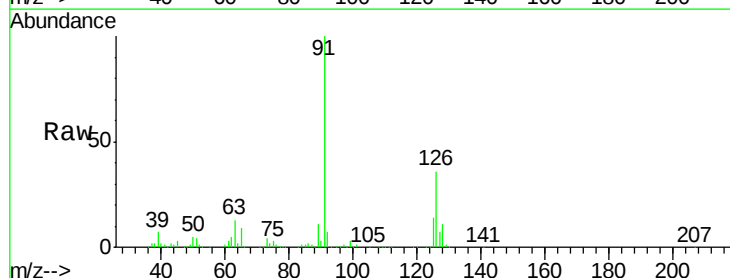
Manual Integrations
APPROVED

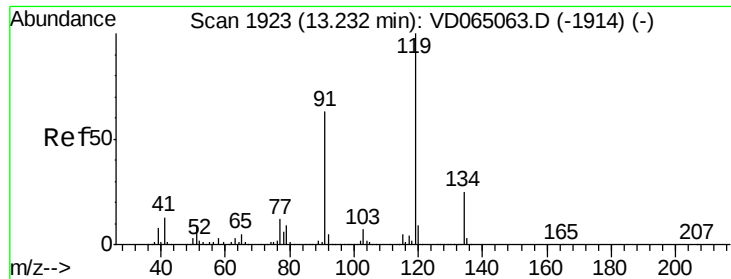
MMDadoda
2/18/2020 10:58:25 AM



#82
4-Chlorotoluene
Concen: 49.327 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.5	52.5





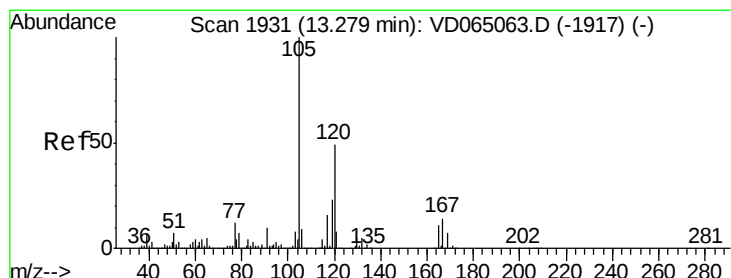
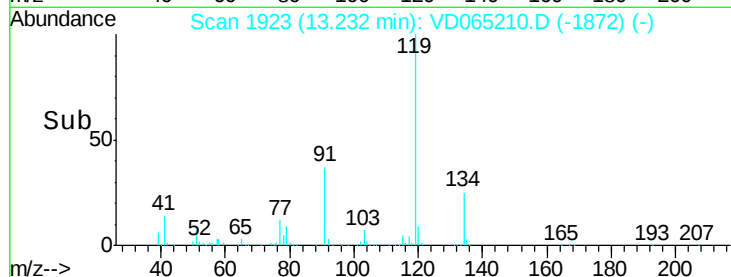
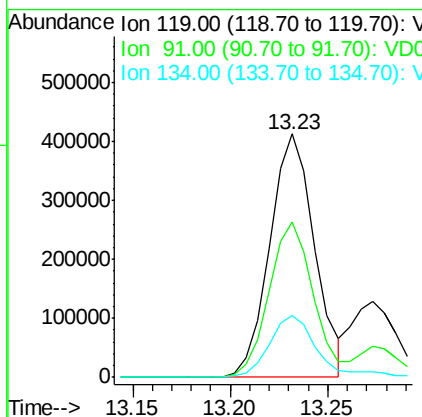
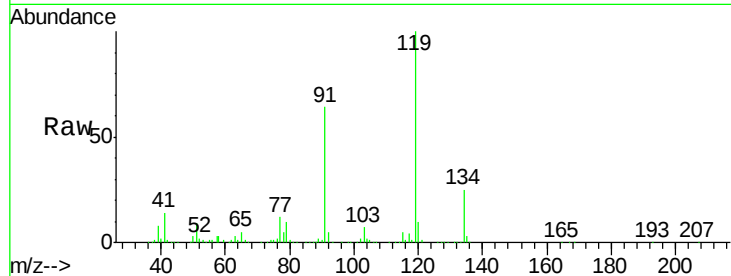
#83
tert-Butylbenzene
Concen: 46.888 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.8	32.3	96.9
134	27.4	13.8	41.3

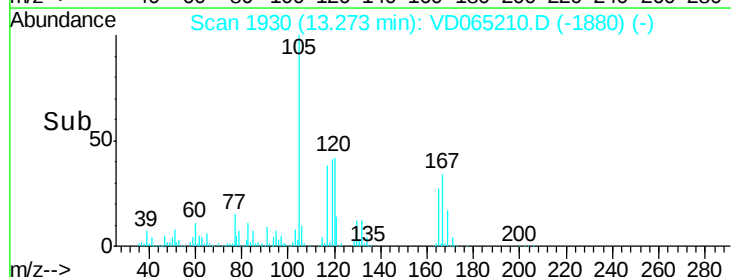
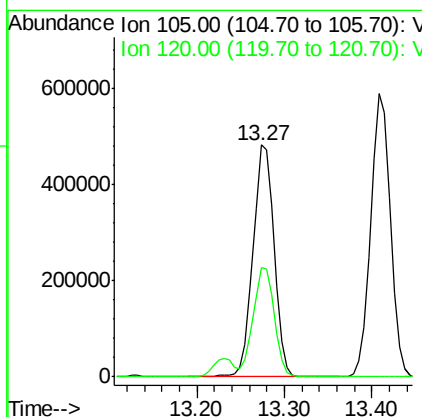
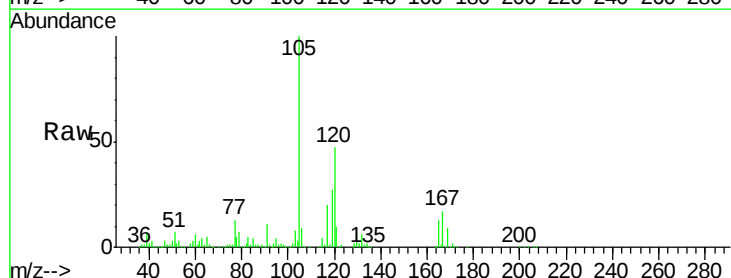
Manual Integrations
APPROVED

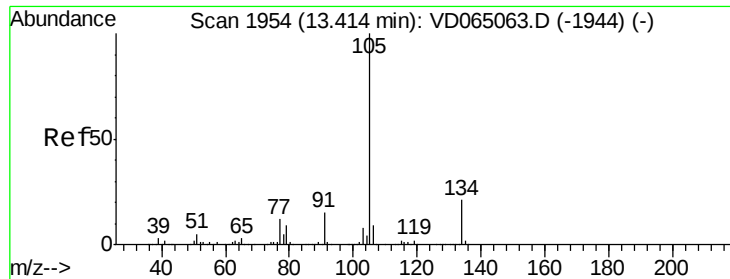
MMDadoda
2/18/2020 10:58:25 AM



#84
1,2,4-Trimethylbenzene
Concen: 49.219 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.01 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.5	70.5





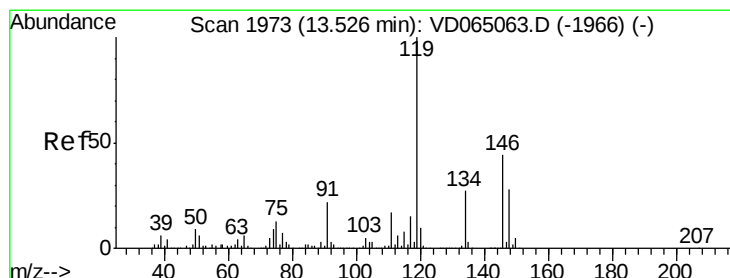
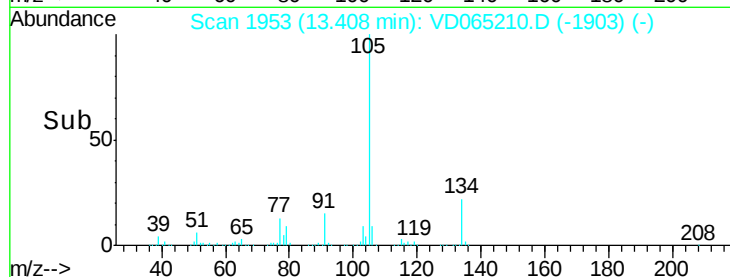
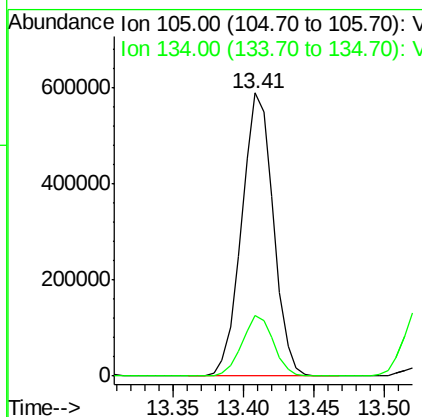
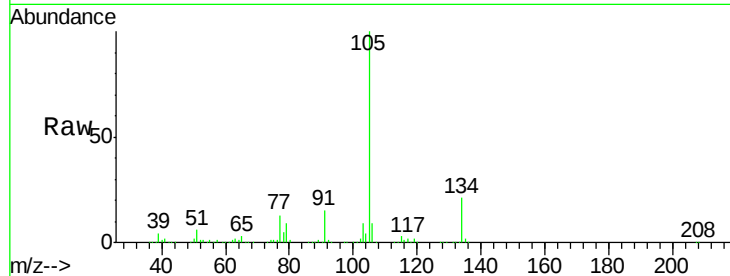
#85
 sec-Butylbenzene
 Concen: 48.237 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.01 min
 Lab File: VD065210.D
 Acq: 17 Feb 2020 21:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.3	10.4	31.1

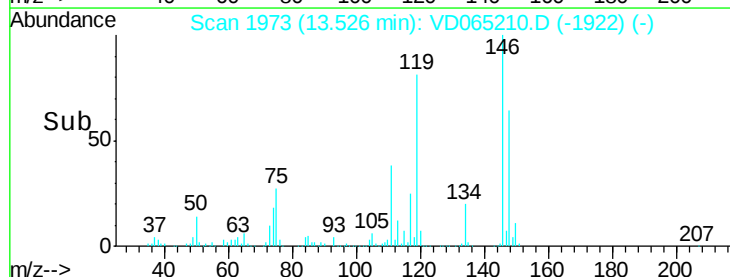
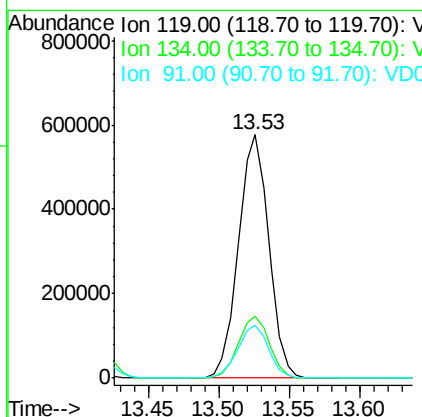
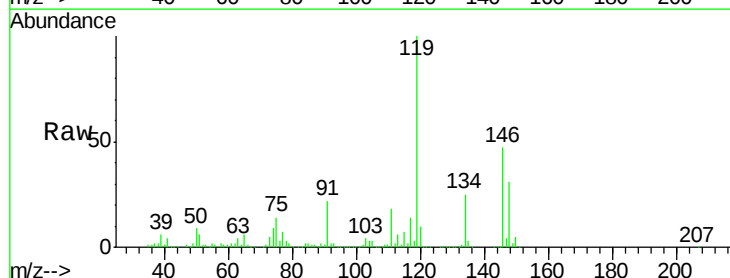
Manual Integrations
 APPROVED

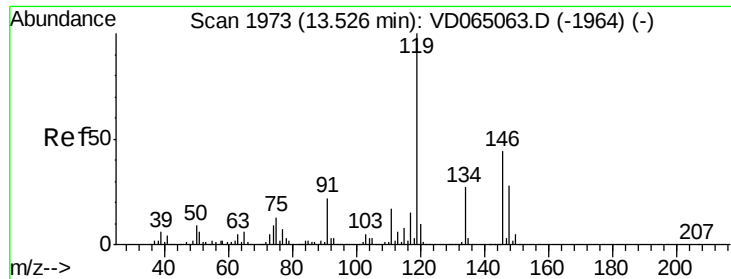
MMDadoda
 2/18/2020 10:58:25 AM



#86
 p-Isopropyltoluene
 Concen: 48.783 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065210.D
 Acq: 17 Feb 2020 21:30

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.5	40.5
91	21.9	11.3	33.9





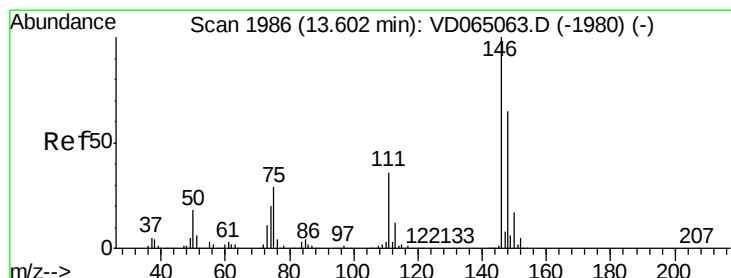
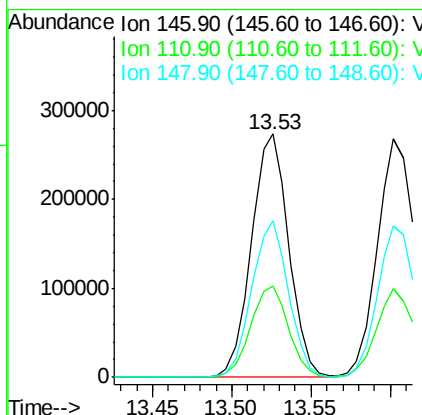
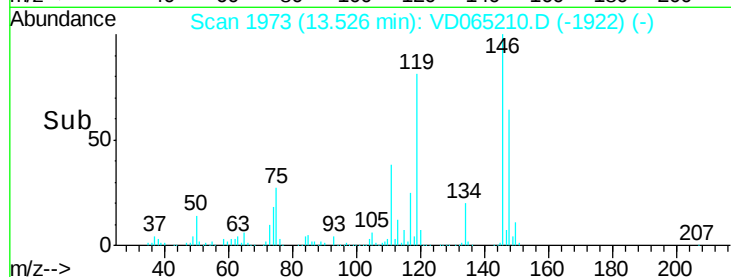
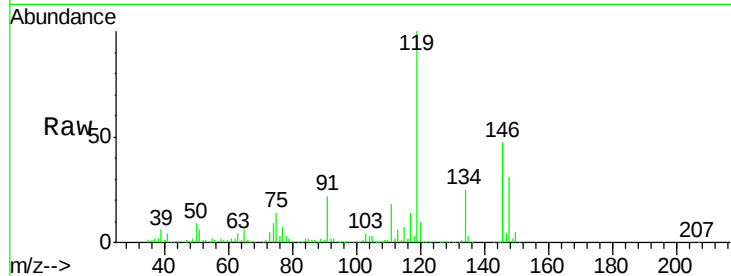
#87
 1,3-Dichlorobenzene
 Concen: 49.979 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065210.D
 Acq: 17 Feb 2020 21:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.4	58.4
148	63.5	32.3	96.8

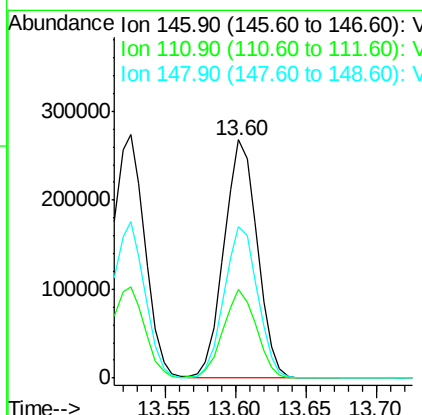
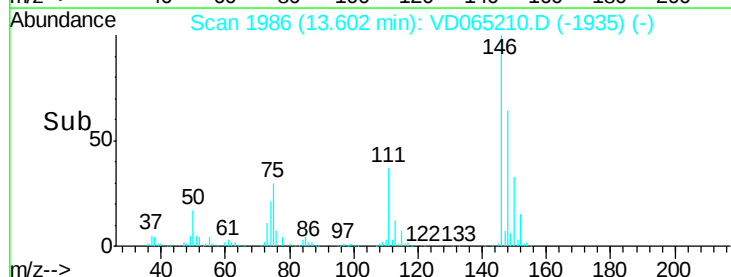
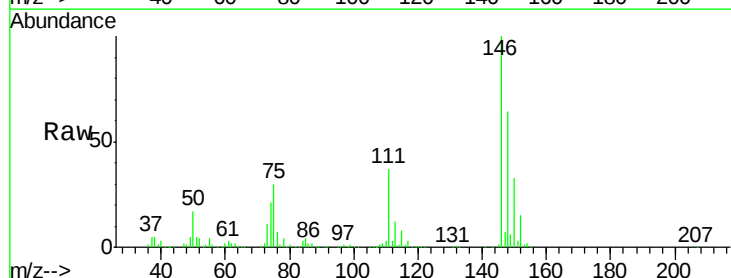
Manual Integrations
 APPROVED

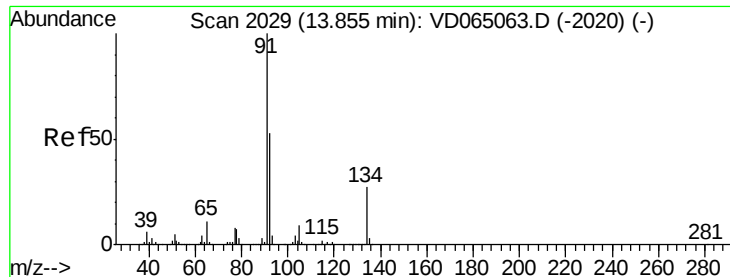
MMDadoda
 2/18/2020 10:58:25 AM



#88
 1,4-Dichlorobenzene
 Concen: 49.412 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065210.D
 Acq: 17 Feb 2020 21:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.5	55.5
148	64.0	32.7	98.1





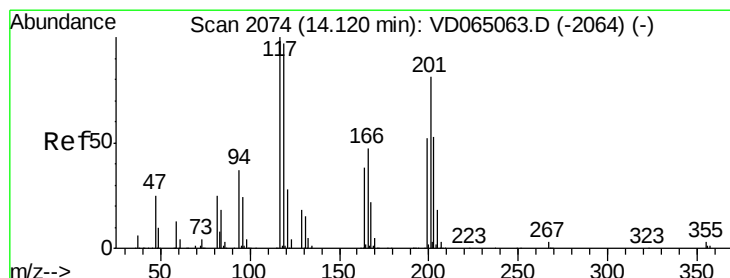
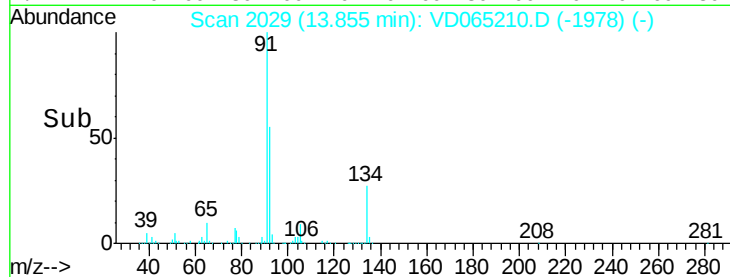
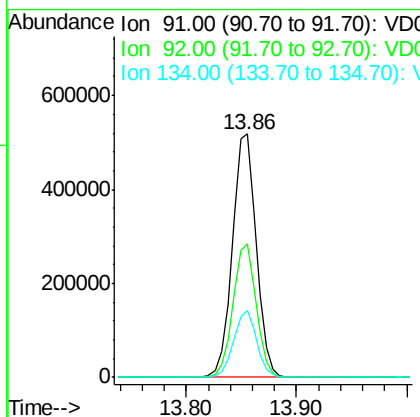
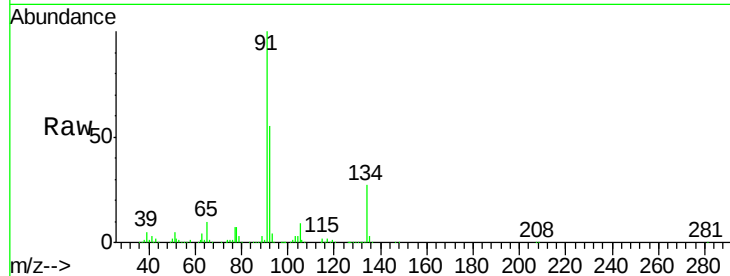
#89
n-Butylbenzene
Concen: 47.934 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.7	80.1
134	26.4	13.4	40.2

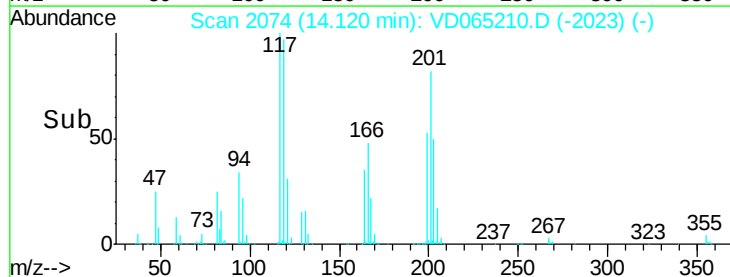
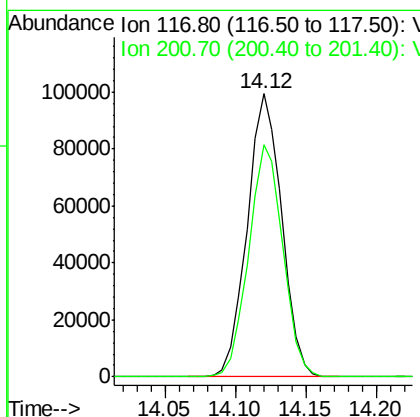
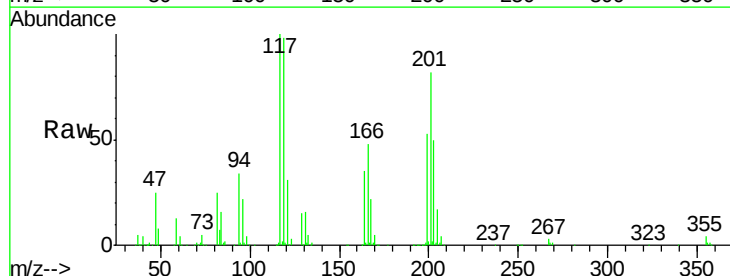
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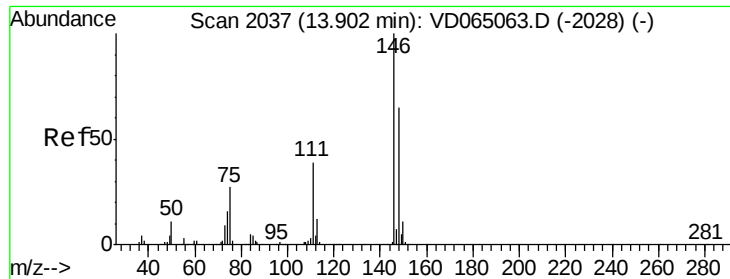
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#90
Hexachloroethane
Concen: 50.739 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.2	42.5	127.6





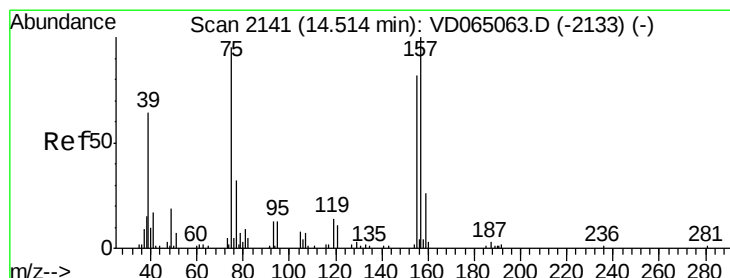
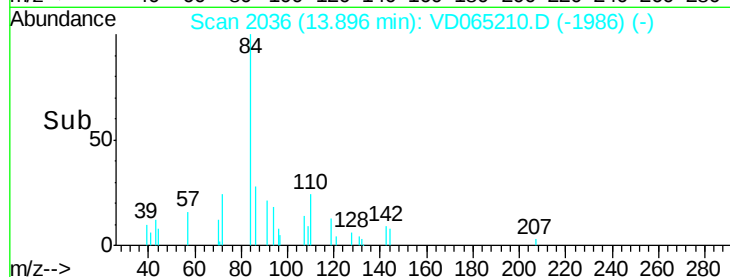
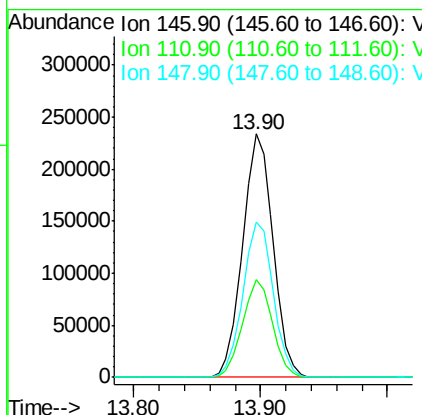
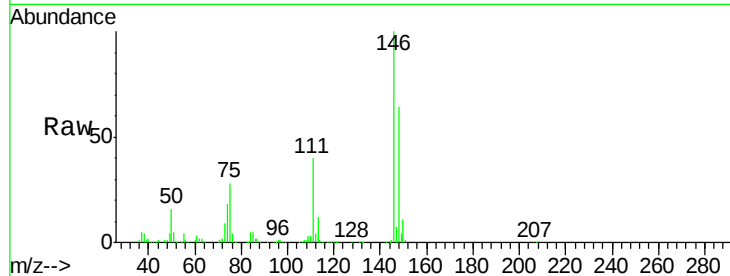
#91
 1,2-Dichlorobenzene
 Concen: 50.981 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065210.D
 Acq: 17 Feb 2020 21:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.7	59.1
148	63.6	31.9	95.5

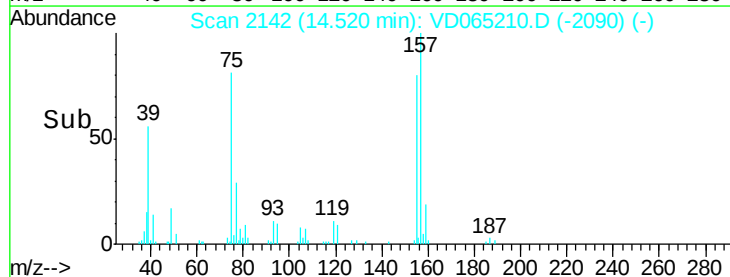
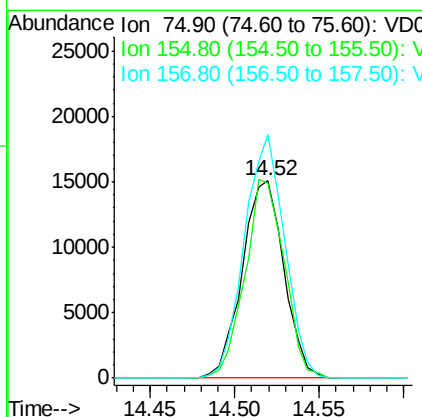
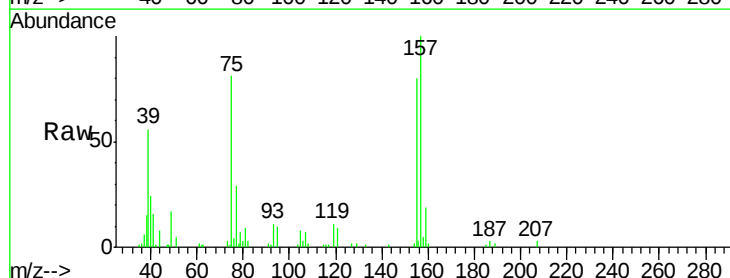
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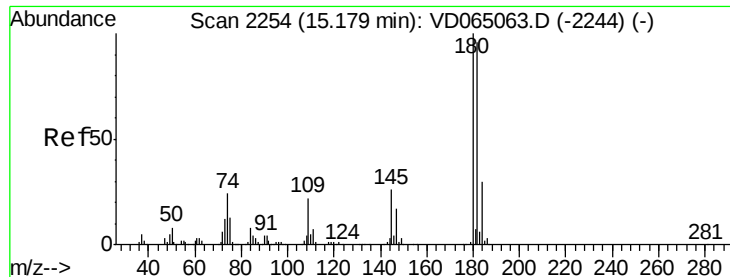
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.887 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD065210.D
 Acq: 17 Feb 2020 21:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.0	43.4	130.1
157	119.0	55.8	167.3





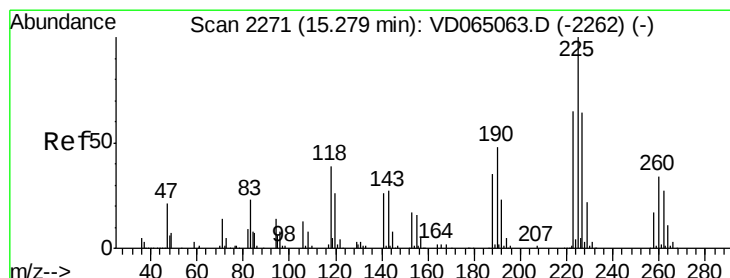
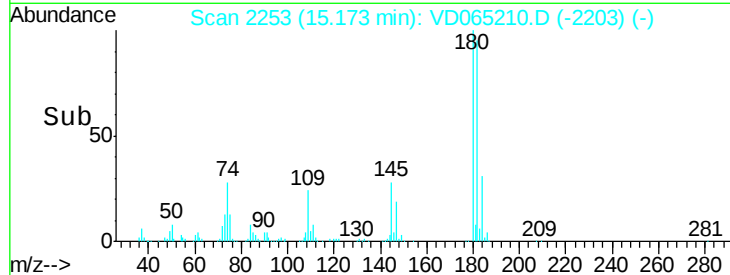
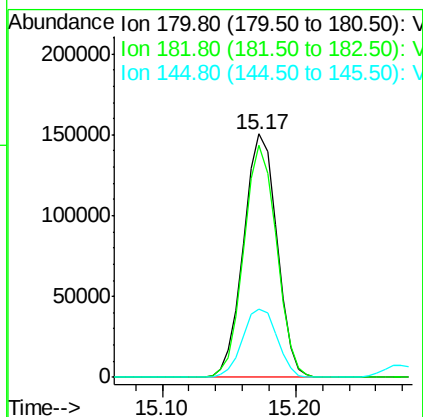
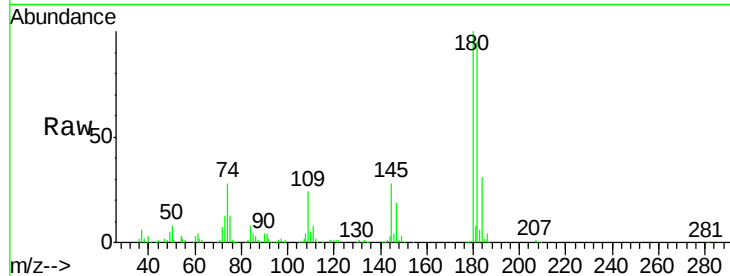
#93
 1,2,4-Trichlorobenzene
 Concen: 47.483 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065210.D
 Acq: 17 Feb 2020 21:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	180	Resp:	259867
Ion Ratio	Lower	Upper	
180	100		
182	93.6	47.4	142.3
145	29.3	14.1	42.4

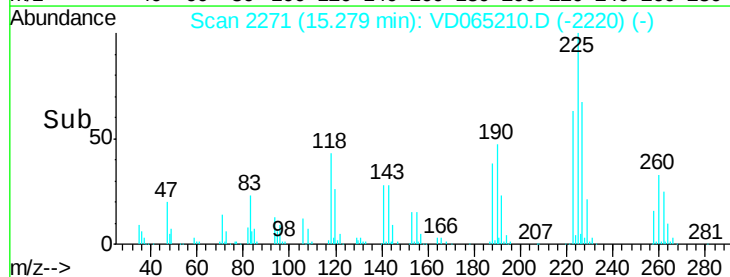
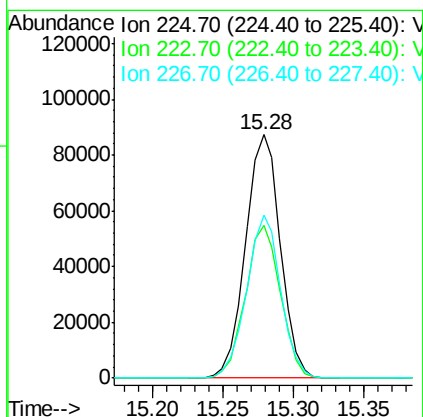
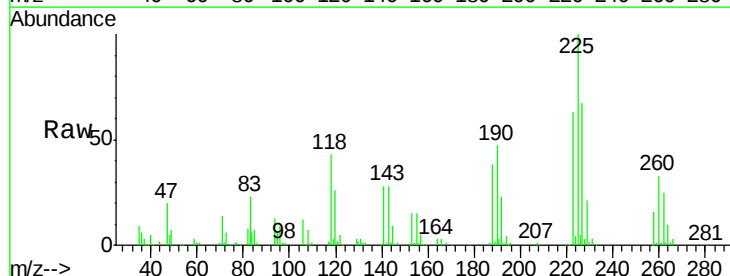
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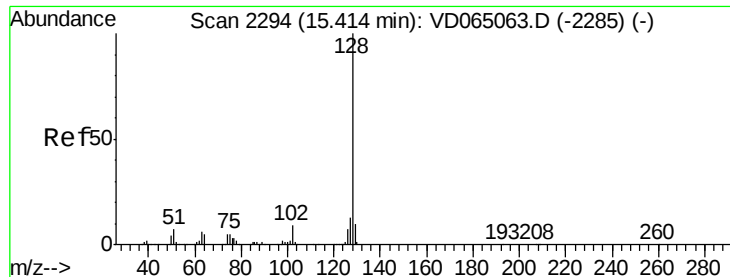
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#94
 Hexachlorobutadiene
 Concen: 44.963 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065210.D
 Acq: 17 Feb 2020 21:30

Tgt Ion:	225	Resp:	151304
Ion Ratio	Lower	Upper	
225	100		
223	63.1	31.4	94.0
227	65.3	31.8	95.3





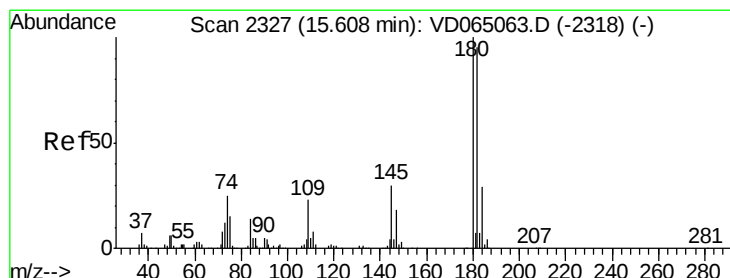
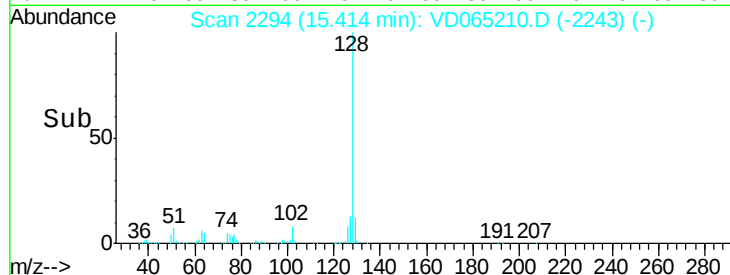
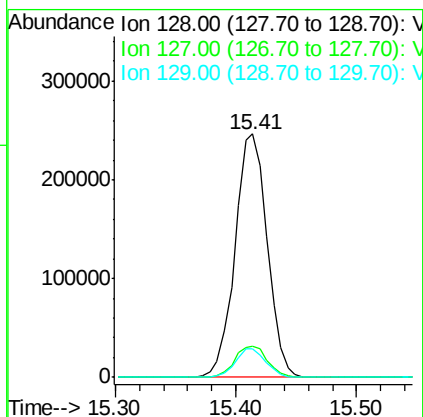
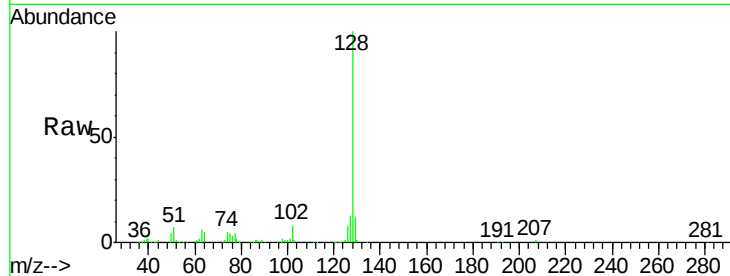
#95
Naphthalene
Concen: 50.409 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	458535		
127	13.1		10.6	15.8
129	11.1		8.7	13.1

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#96
1,2,3-Trichlorobenzene
Concen: 48.832 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065210.D
Acq: 17 Feb 2020 21:30

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	228595		
182	96.0		47.1	141.4
145	29.9		14.9	44.9

