

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021220\
 Data File : VD065168.D
 Acq On : 12 Feb 2020 17:42
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/13/2020 10:59:03 AM

Quant Time: Feb 13 07:19:59 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	429124	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	641912	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	580630	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	288333	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	206106	56.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.02%	
35) Dibromofluoromethane	7.92	113	209037	58.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.74%	
50) Toluene-d8	10.34	98	813489	57.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.14%	
62) 4-Bromofluorobenzene	12.64	95	255794	56.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	177209	49.624	ug/l	99
3) Chloromethane	2.21	50	225274	53.590	ug/l	96
4) Vinyl Chloride	2.35	62	233397	52.500	ug/l	99
5) Bromomethane	2.77	94	141149	48.966	ug/l	98
6) Chloroethane	2.93	64	144909	52.547	ug/l	91
7) Trichlorofluoromethane	3.27	101	339044	52.404	ug/l	99
8) Diethyl Ether	3.71	74	93848	50.529	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.09	101	200875	50.788	ug/l	98
10) Methyl Iodide	4.30	142	226667	50.210	ug/l	97
11) Tert butyl alcohol	5.24	59	52928	237.517	ug/l	96
12) 1,1-Dichloroethene	4.06	96	193775	51.156	ug/l	99
13) Acrolein	3.93	56	67813	247.416	ug/l	100
14) Allyl chloride	4.71	41	325142	51.647	ug/l	99
15) Acrylonitrile	5.43	53	216805	267.000	ug/l	99
16) Acetone	4.17	43	226223	248.090	ug/l	99
17) Carbon Disulfide	4.40	76	628239	51.655	ug/l	99
18) Methyl Acetate	4.72	43	100428	52.714	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	431701	51.537	ug/l	94
20) Methylene Chloride	4.96	84	222428	55.860	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	224767	52.447	ug/l	97
22) Diisopropyl ether	6.37	45	658366	55.442	ug/l	96
23) Vinyl Acetate	6.31	43	1826166	275.906	ug/l	99
24) 1,1-Dichloroethane	6.27	63	383441	53.347	ug/l	97
25) 2-Butanone	7.22	43	285348	262.337	ug/l	99
26) 2,2-Dichloropropane	7.21	77	331600	51.471	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	244213	53.639	ug/l	97
28) Bromochloromethane	7.56	49	150402	55.201	ug/l	99
29) Tetrahydrofuran	7.57	42	178886	271.954	ug/l	97
30) Chloroform	7.71	83	397348	55.520	ug/l	96
31) Cyclohexane	7.98	56	358944	49.472	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	351608	52.741	ug/l	99
36) 1,1-Dichloropropene	8.11	75	313116	52.458	ug/l	99
37) Ethyl Acetate	7.30	43	126100	51.712	ug/l	98
38) Carbon Tetrachloride	8.10	117	316770	51.962	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	373632	50.714	ug/l	99
40) Benzene	8.36	78	889736	53.980	ug/l	100
41) Methacrylonitrile	7.53	41	80770	60.123	ug/l #	85
42) 1,2-Dichloroethane	8.43	62	248399	52.890	ug/l	99
43) Isopropyl Acetate	8.46	43	236935	50.794	ug/l	98
44) Trichloroethene	9.12	130	243028	51.368	ug/l	98
45) 1,2-Dichloropropane	9.39	63	220176	55.714	ug/l	97
46) Dibromomethane	9.48	93	112830	54.333	ug/l	97
47) Bromodichloromethane	9.67	83	298178	54.494	ug/l	98
48) Methyl methacrylate	9.46	41	114995	51.231	ug/l	97
49) 1,4-Dioxane	9.47	88	25031	1017.675	ug/l	98
51) 4-Methyl-2-Pentanone	10.24	43	616954	268.707	ug/l	100
52) Toluene	10.41	92	563868	53.600	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	282620	53.050	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	345155	54.170	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	156107	54.805	ug/l	95
56) Ethyl methacrylate	10.67	69	192416	53.389	ug/l	99
57) 1,3-Dichloropropane	10.96	76	273298	54.565	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	287659	246.790	ug/l	100
59) 2-Hexanone	10.99	43	443569	272.745	ug/l	99
60) Dibromochloromethane	11.14	129	203328	55.111	ug/l	98
61) 1,2-Dibromoethane	11.26	107	148771	53.453	ug/l	100
64) Tetrachloroethene	10.88	164	202861	48.623	ug/l	99
65) Chlorobenzene	11.68	112	589677	52.508	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	220265	53.142	ug/l	99
67) Ethyl Benzene	11.75	91	1064687	52.182	ug/l	100
68) m/p-Xylenes	11.86	106	820302	105.337	ug/l	100
69) o-Xylene	12.19	106	366989	52.332	ug/l	98
70) Styrene	12.20	104	660333	54.178	ug/l	100
71) Bromoform	12.37	173	117533	52.682	ug/l #	100
73) Isopropylbenzene	12.48	105	999741	50.517	ug/l	100
74) N-amyl acetate	12.30	43	216391	50.306	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	163281	52.424	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	114968m	52.666	ug/l	
77) Bromobenzene	12.77	156	235163	49.320	ug/l	98
78) n-propylbenzene	12.83	91	1196706	51.636	ug/l	99
79) 2-Chlorotoluene	12.91	91	656593	50.826	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	829027	51.205	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	56417	51.686	ug/l	99
82) 4-Chlorotoluene	13.01	91	687300	50.657	ug/l	100
83) tert-Butylbenzene	13.23	119	683450	48.930	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	837485	52.104	ug/l	98
85) sec-Butylbenzene	13.41	105	975801	51.149	ug/l	100
86) p-Isopropyltoluene	13.53	119	918532	51.820	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	461172	51.658	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	443806	49.948	ug/l	99
89) n-Butylbenzene	13.86	91	836497	51.130	ug/l	100
90) Hexachloroethane	14.12	117	176011	52.440	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	396298	51.827	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	25014	49.197	ug/l	99

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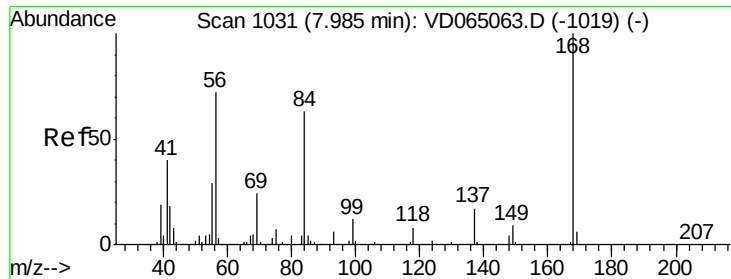
Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	261481	47.844	ug/l	98
94) Hexachlorobutadiene	15.28	225	160429	47.740	ug/l	99
95) Naphthalene	15.41	128	433214	47.691	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	225115	48.155	ug/l	98

(#) = 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: VD065168.D

Acq: 12 Feb 2020 17:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 429124

Ion Ratio Lower Upper

168 100

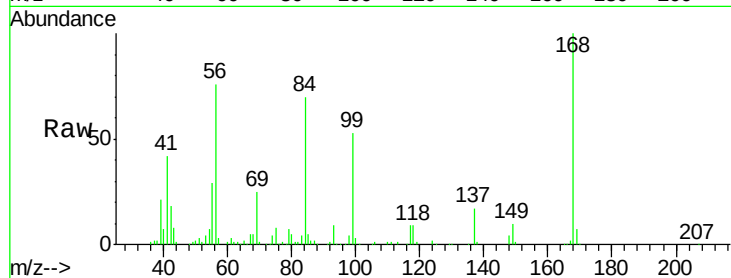
99 53.2 41.0 61.6

Manual Integrations

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2/13/2020 10:59:03 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

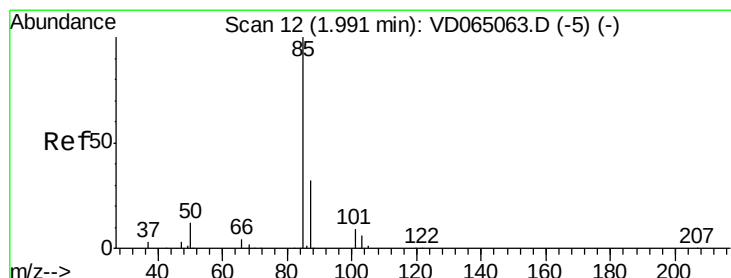
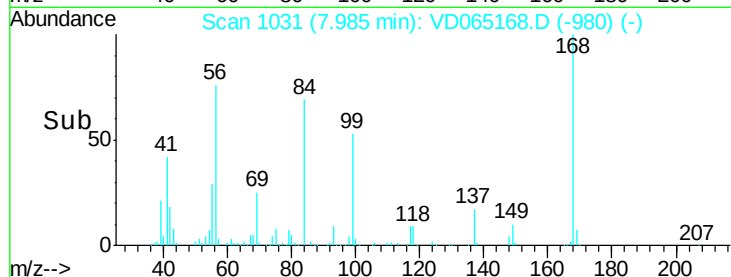
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 49.624 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065168.D

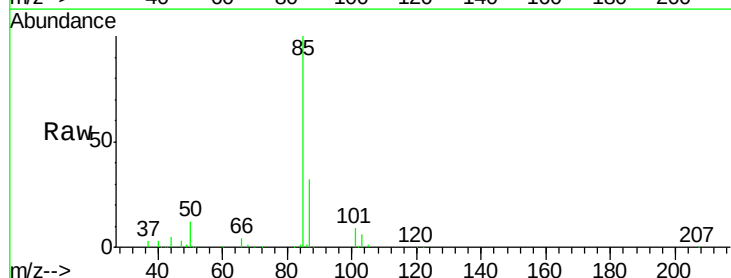
Acq: 12 Feb 2020 17:42

Tgt Ion: 85 Resp: 177209

Ion Ratio Lower Upper

85 100

87 31.9 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

150000

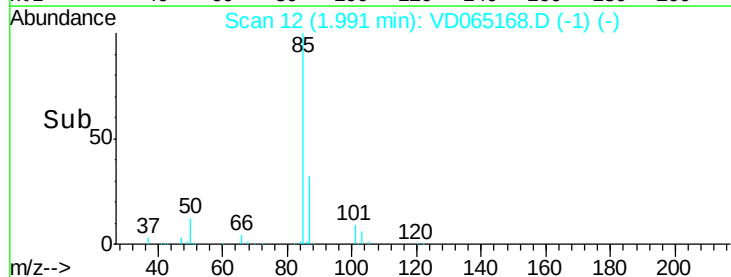
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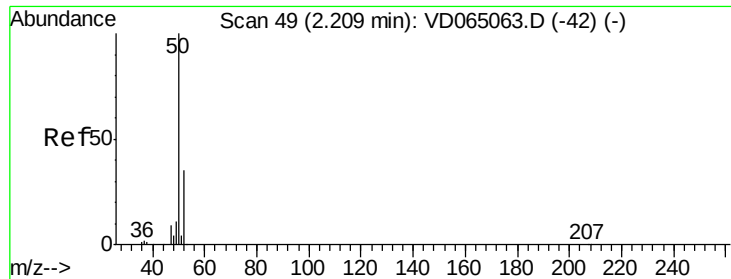
50000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 53.590 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 225274

Ion Ratio Lower Upper

50 100

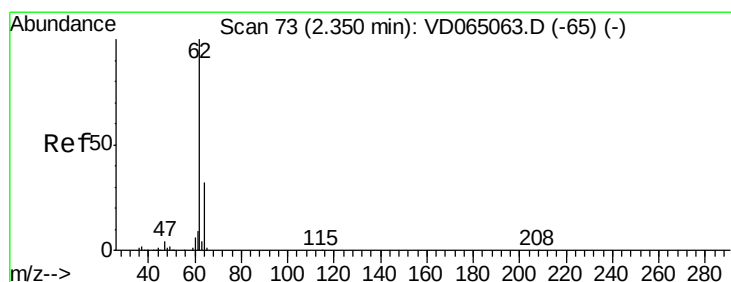
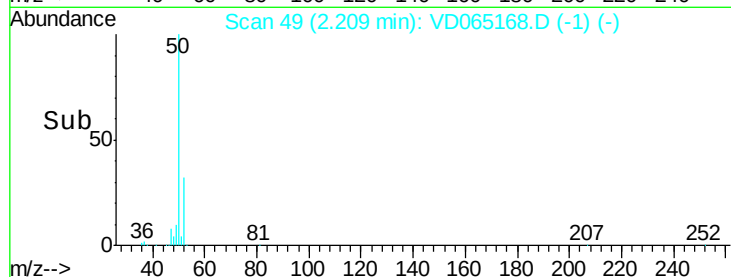
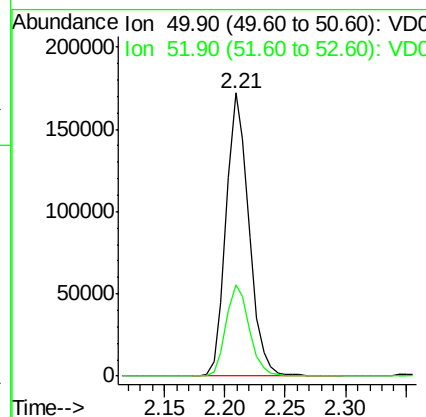
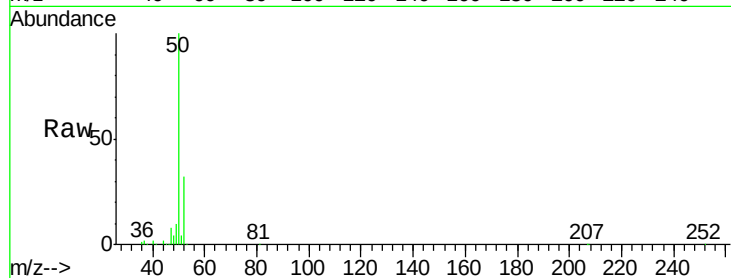
52 32.3 27.8 41.6

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#4

Vinyl Chloride

Concen: 52.500 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065168.D

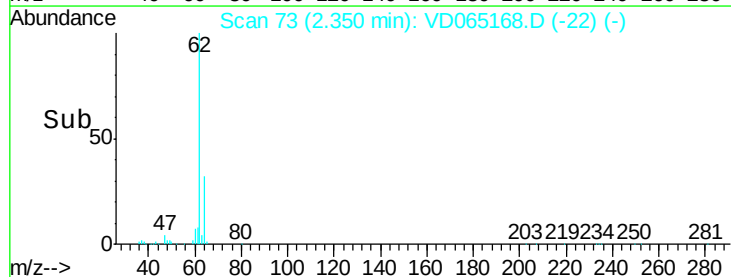
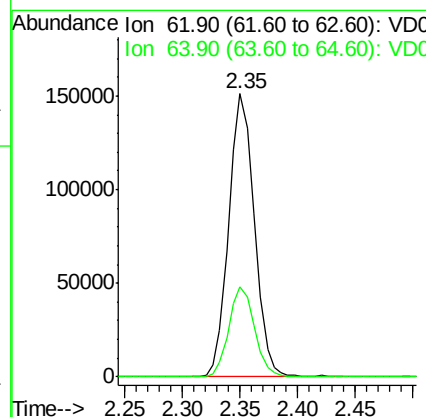
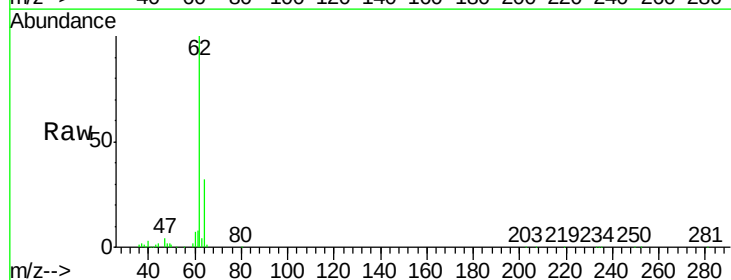
Acq: 12 Feb 2020 17:42

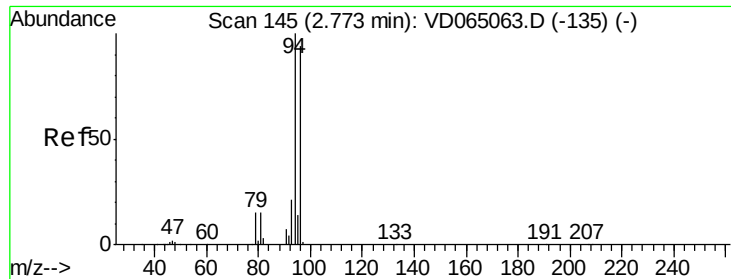
Tgt Ion: 62 Resp: 233397

Ion Ratio Lower Upper

62 100

64 31.8 25.9 38.9





#5

Bromomethane

Concen: 48.966 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 141149

Ion Ratio Lower Upper

94 100

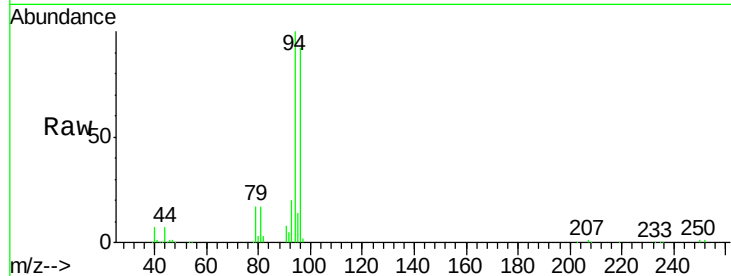
96 92.2 75.4 113.0

Manual Integrations

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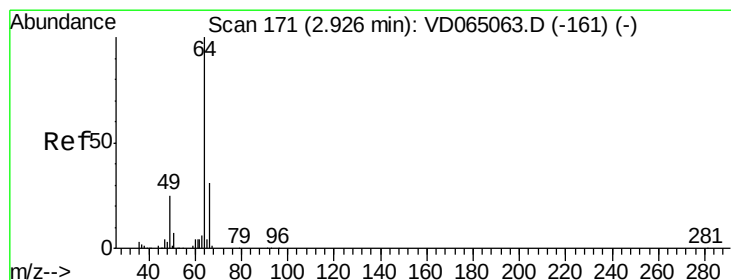
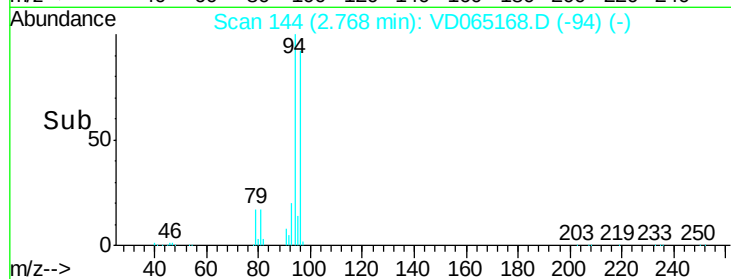
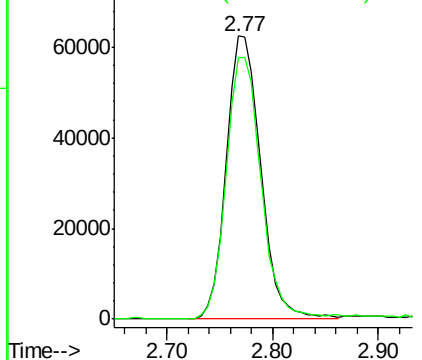
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 52.547 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065168.D

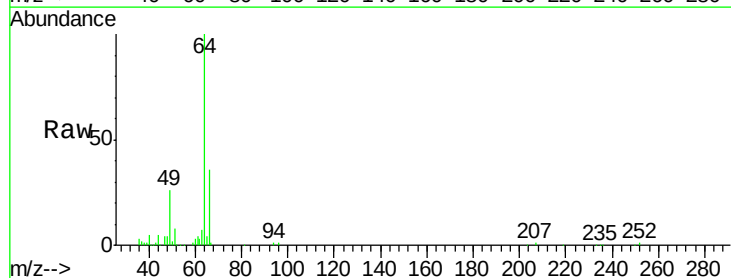
Acq: 12 Feb 2020 17:42

Tgt Ion: 64 Resp: 144909

Ion Ratio Lower Upper

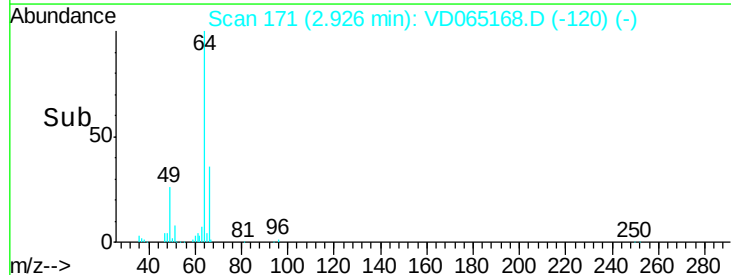
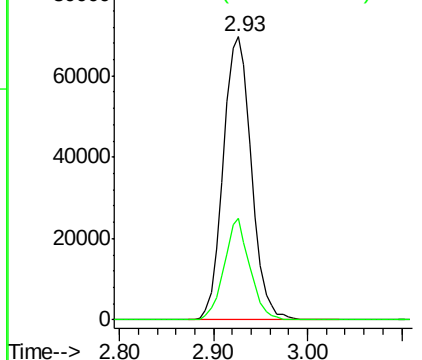
64 100

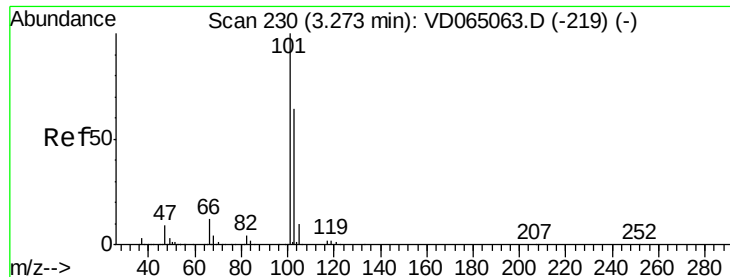
66 36.0 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

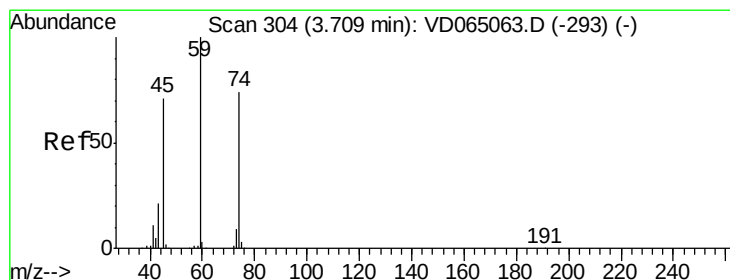
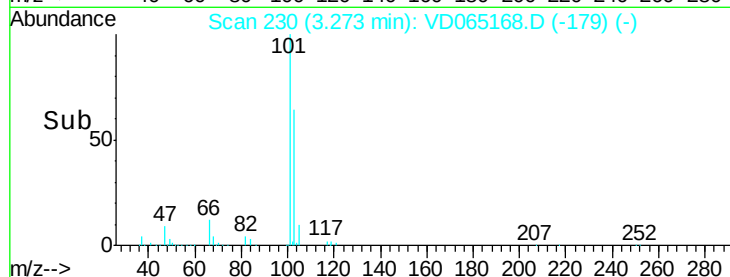
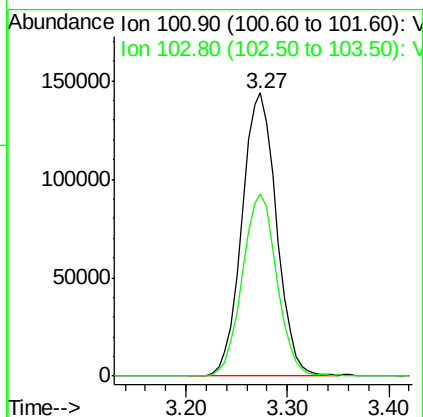
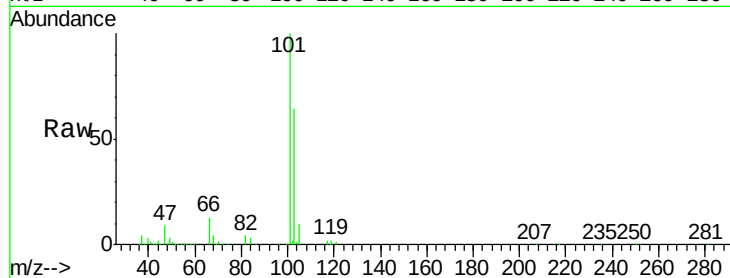
Trichlorofluoromethane
Concen: 52.404 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD065168.D
Acq: 12 Feb 2020 17:42

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VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.0	76.6

Manual Integrations
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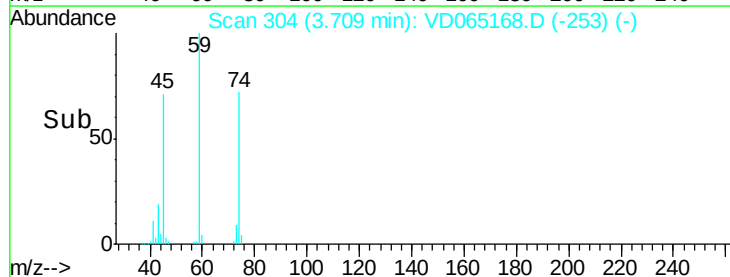
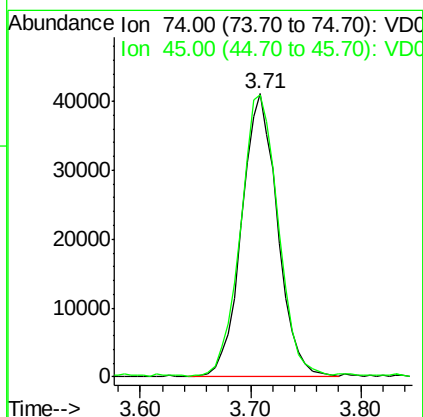
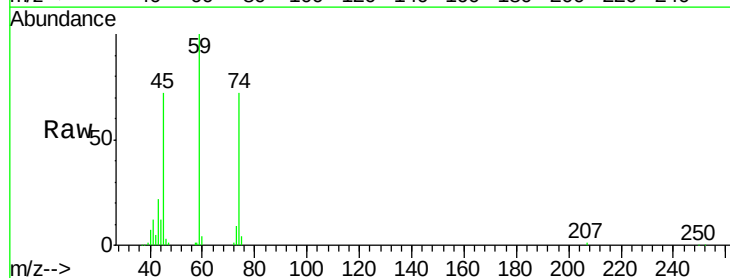
MMDadoda
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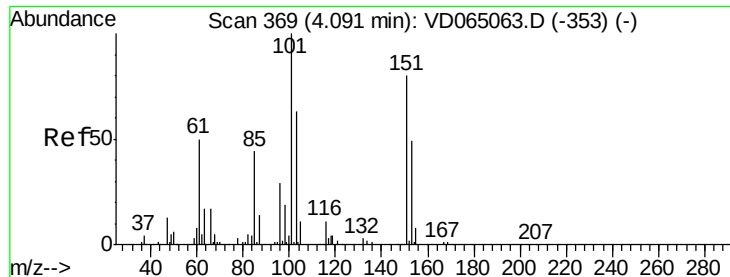


#8

Diethyl Ether
Concen: 50.529 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD065168.D
Acq: 12 Feb 2020 17:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.7	49.0	147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.788 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

Instrument :

MSVOA_D

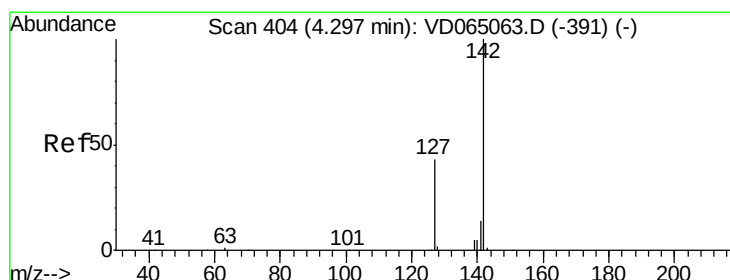
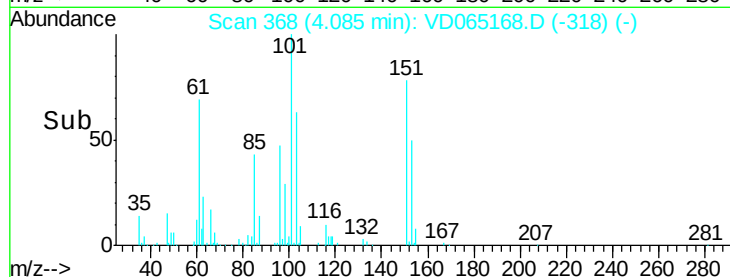
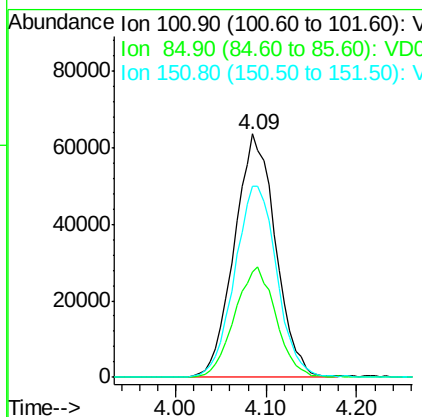
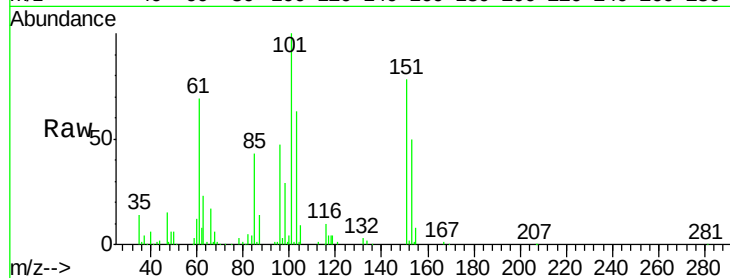
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	200875
Ion Ratio	Lower	Upper	
101	100		
85	45.4	34.0	51.0
151	80.4	64.0	96.0

Manual Integrations
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#10

Methyl Iodide

Concen: 50.210 ug/l

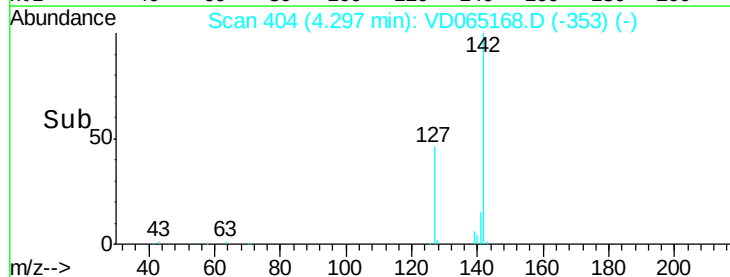
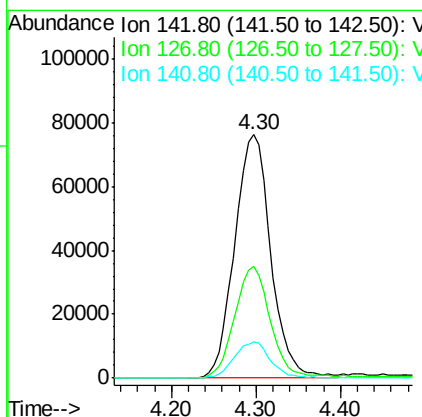
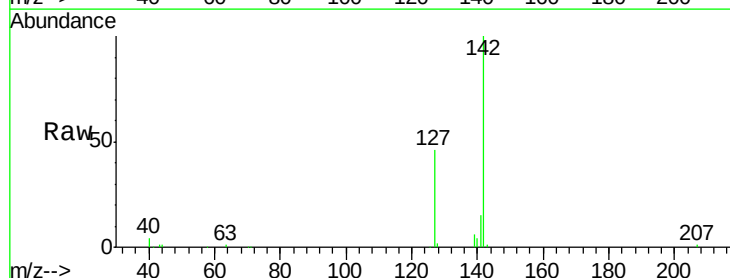
RT: 4.30 min Scan# 404

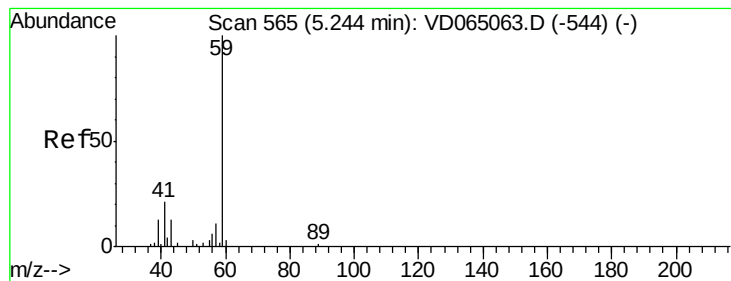
Delta R.T. -0.00 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

Tgt Ion:	142	Resp:	226667
Ion Ratio	Lower	Upper	
142	100		
127	45.0	34.0	51.0
141	14.9	11.6	17.4





#11

Tert butyl alcohol

Concen: 237.517 ug/l

RT: 5.24 min Scan# 565

Delta R.T. 0.00 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 59 Resp: 52928

Ion Ratio Lower Upper

59 100

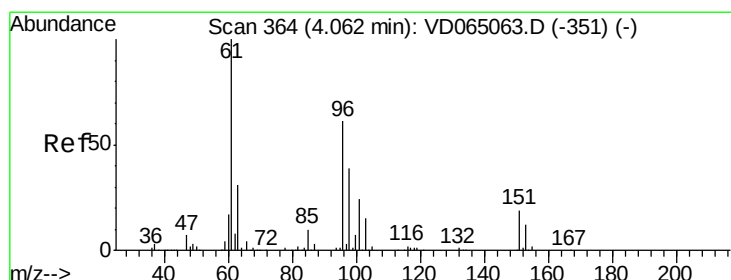
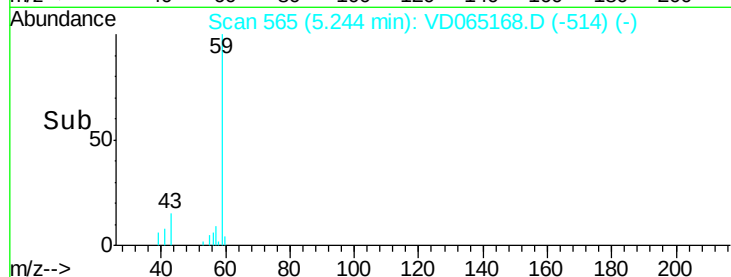
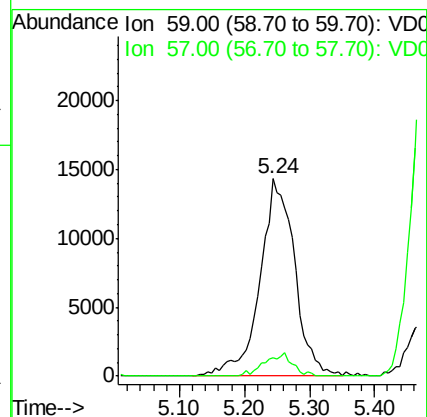
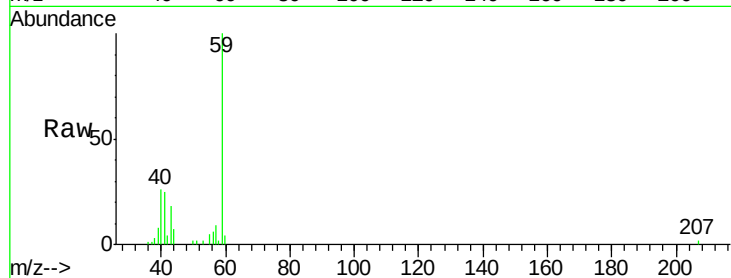
57 9.5 8.8 13.2

Manual Integrations

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#12

1,1-Dichloroethene

Concen: 51.156 ug/l

RT: 4.06 min Scan# 364

Delta R.T. -0.00 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

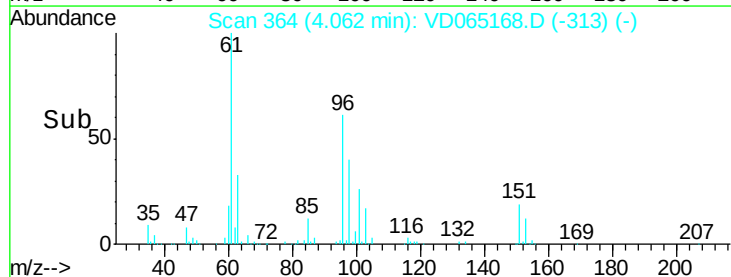
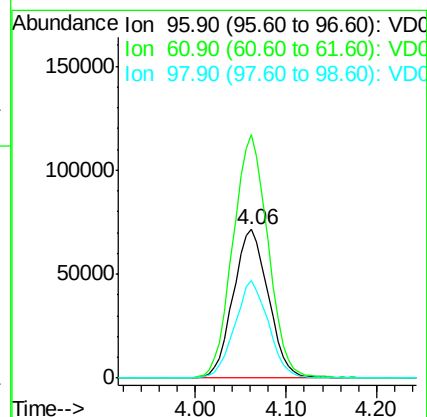
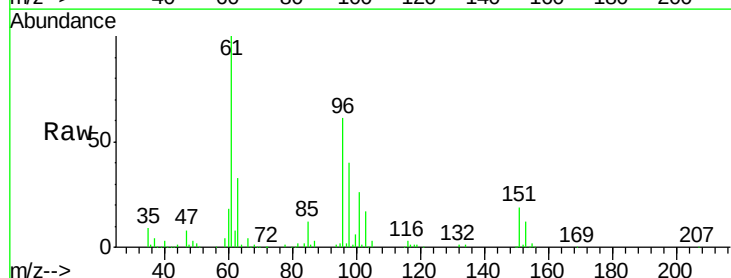
Tgt Ion: 96 Resp: 193775

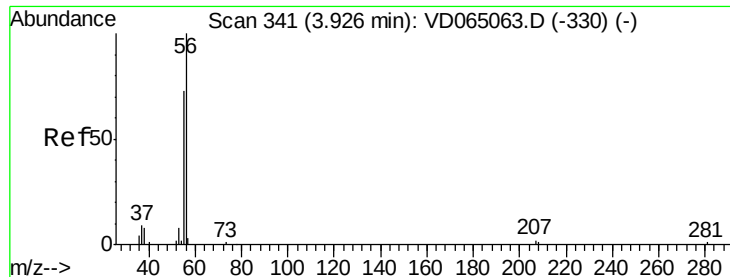
Ion Ratio Lower Upper

96 100

61 163.9 131.4 197.2

98 65.5 51.1 76.7





#13

Acrolein

Concen: 247.416 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 67813

Ion Ratio Lower Upper

56 100

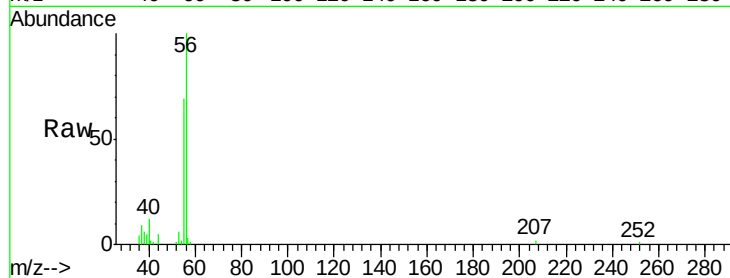
55 72.5 58.2 87.2

Manual Integrations

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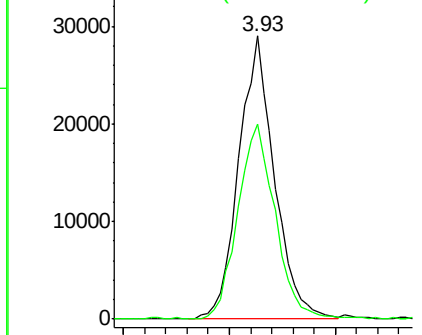
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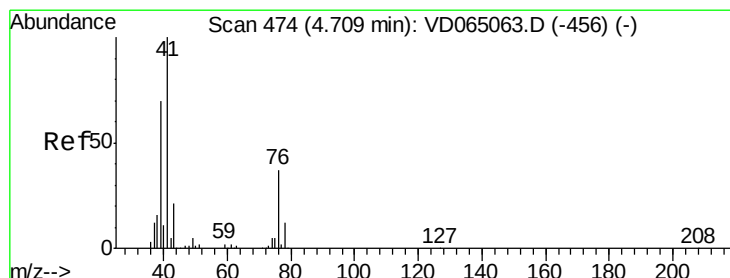
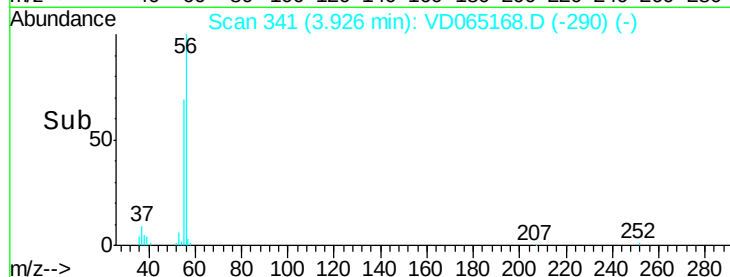


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



Time--> 3.80 3.90 4.00



#14

Allyl chloride

Concen: 51.647 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

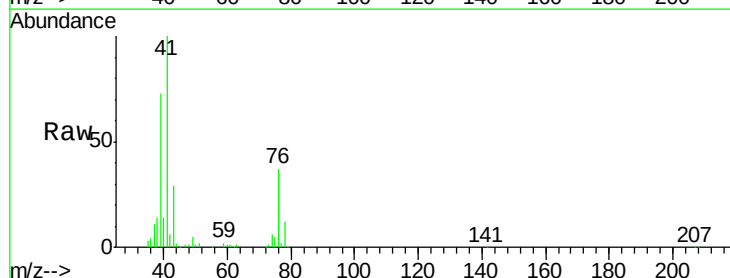
Tgt Ion: 41 Resp: 325142

Ion Ratio Lower Upper

41 100

39 69.8 57.1 85.7

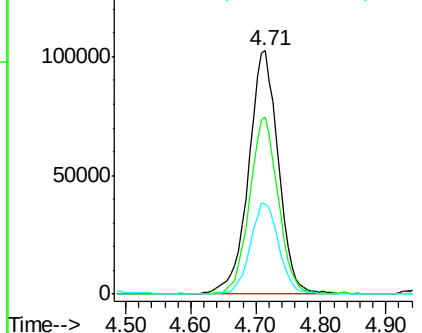
76 35.1 28.0 42.0



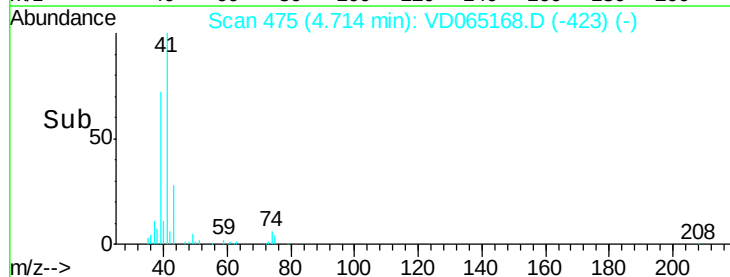
Abundance Ion 41.00 (40.70 to 41.70): VDC

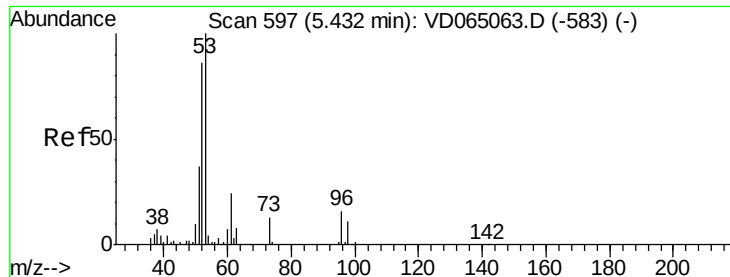
Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC



Time--> 4.50 4.60 4.70 4.80 4.90





#15

Acrylonitrile

Concen: 267.000 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

Instrument :

MSVOA_D

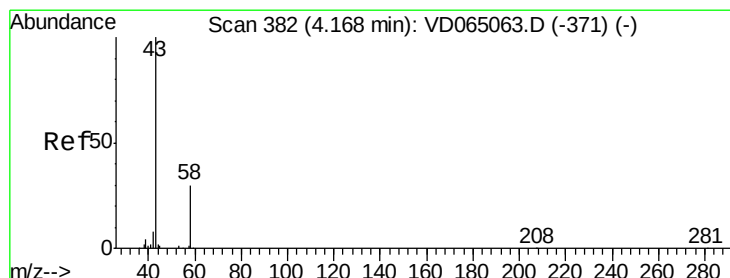
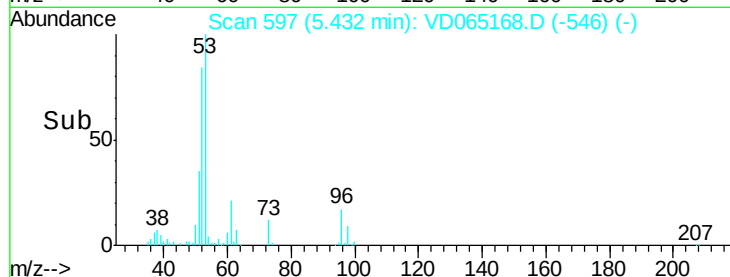
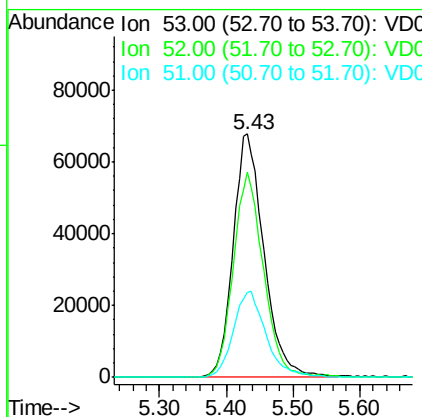
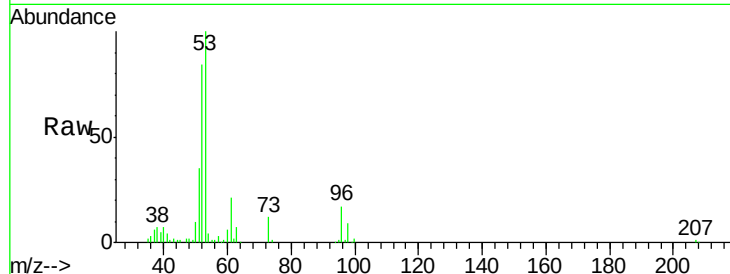
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	216805
Ion Ratio	Lower	Upper	
53	100		
52	82.1	66.2	99.2
51	37.5	30.4	45.6

Manual Integrations
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#16

Acetone

Concen: 248.090 ug/l

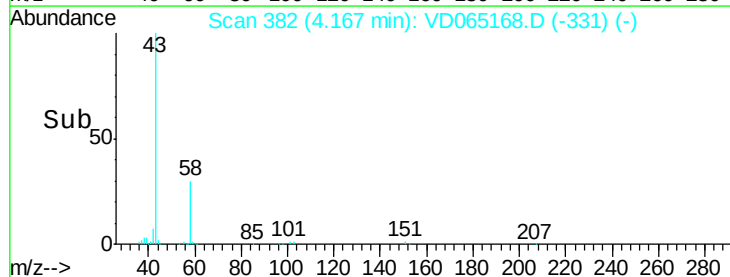
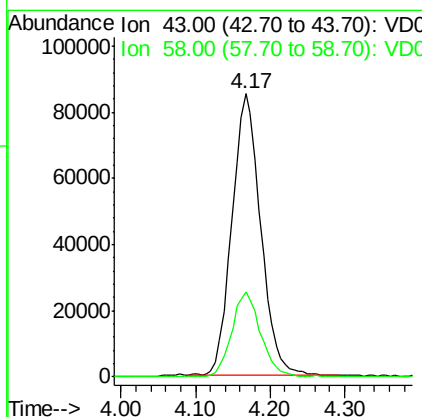
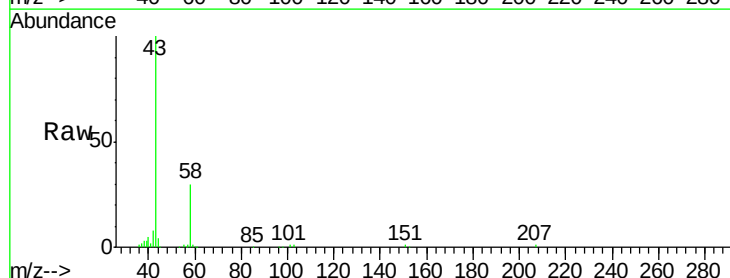
RT: 4.17 min Scan# 382

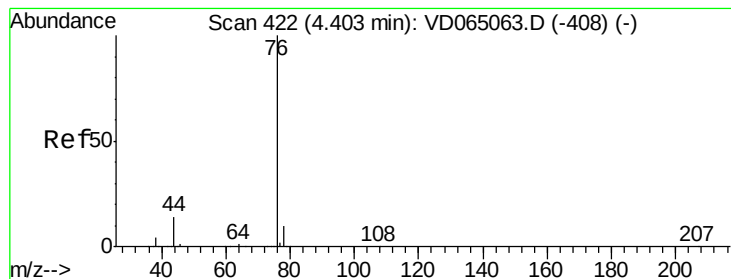
Delta R.T. -0.00 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

Tgt Ion:	43	Resp:	226223
Ion Ratio	Lower	Upper	
43	100		
58	30.0	23.5	35.3





#17

Carbon Disulfide

Concen: 51.655 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 628239

Ion Ratio Lower Upper

76 100

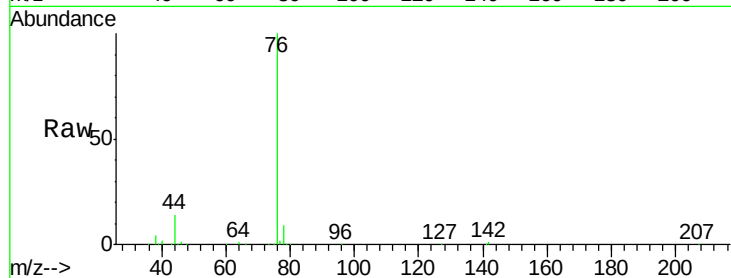
78 9.1 7.6 11.4

Manual Integrations

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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

250000

200000

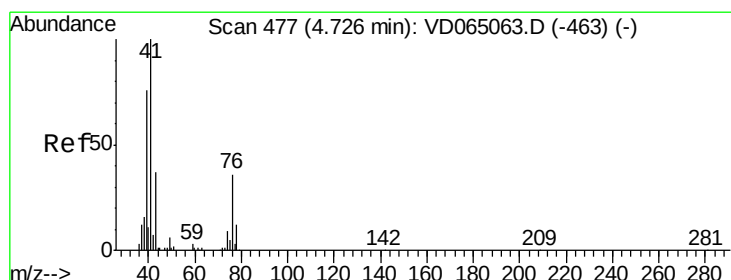
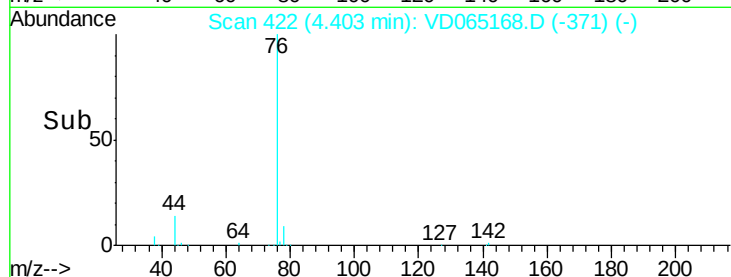
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 52.714 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD065168.D

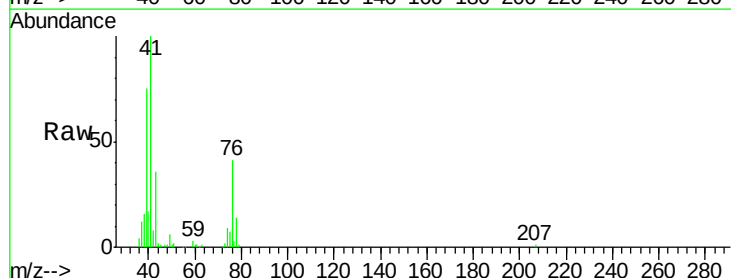
Acq: 12 Feb 2020 17:42

Tgt Ion: 43 Resp: 100428

Ion Ratio Lower Upper

43 100

74 22.9 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

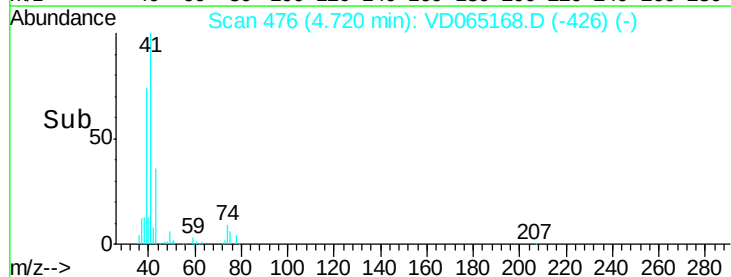
30000

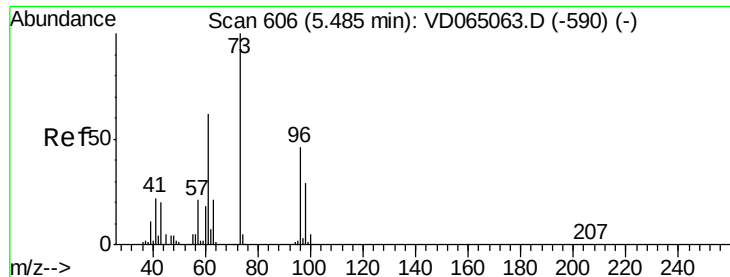
20000

10000

0

Time-->





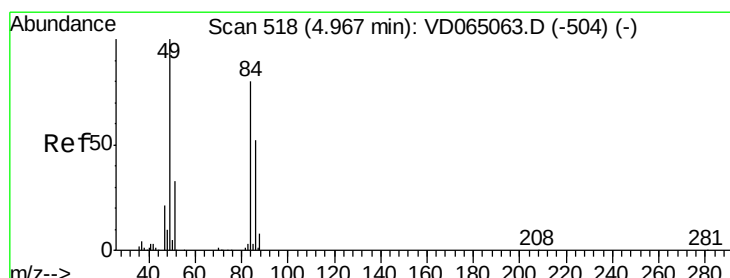
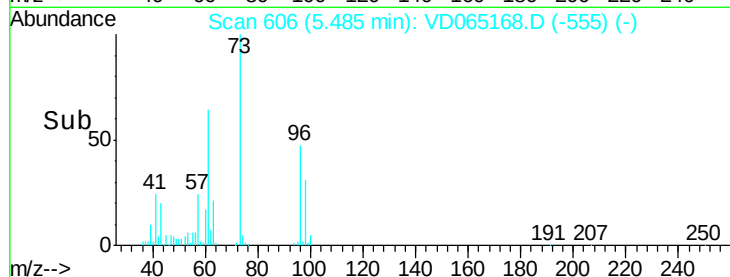
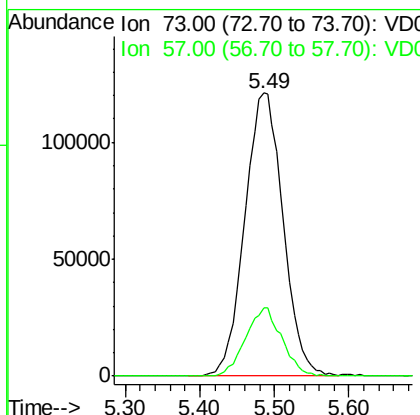
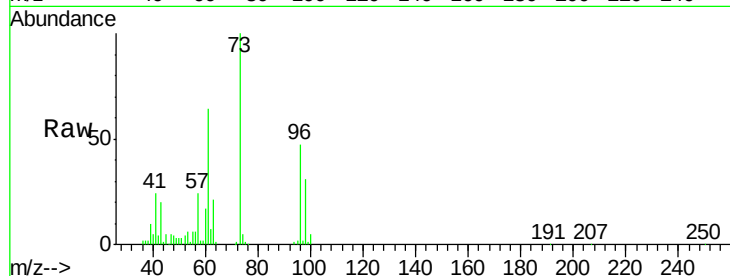
#19
Methyl tert-butyl Ether
Concen: 51.537 ug/l
RT: 5.49 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065168.D
Acq: 12 Feb 2020 17:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 431701
Ion Ratio Lower Upper
73 100
57 24.0 16.8 25.2

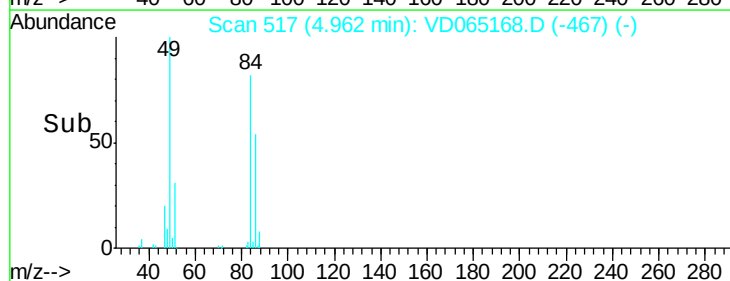
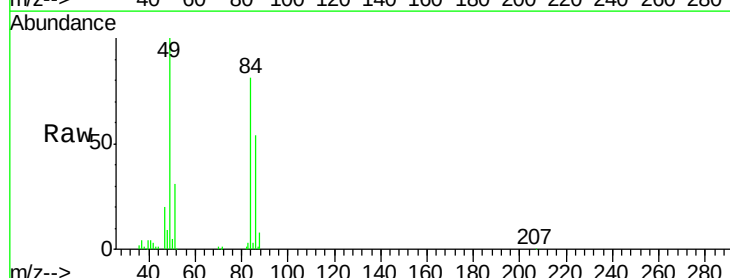
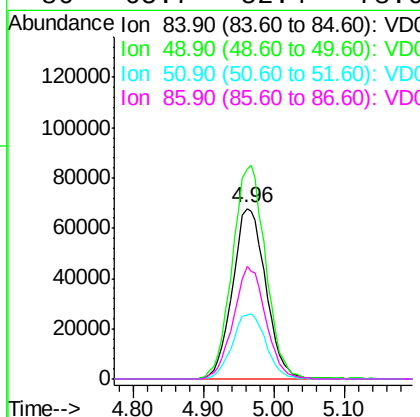
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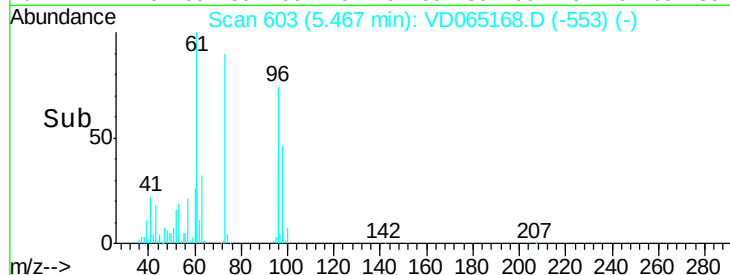
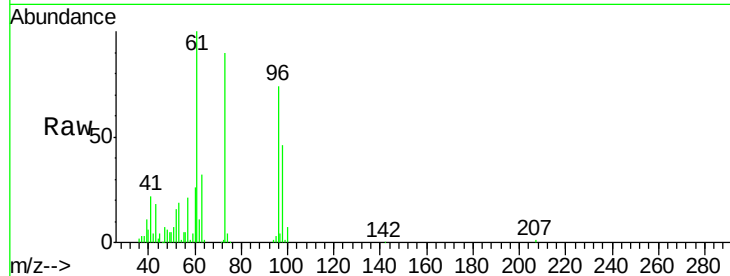
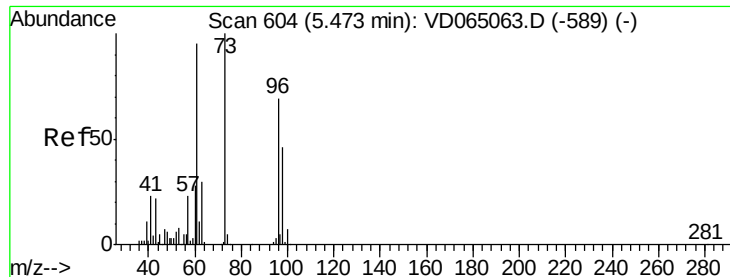
MMDadoda
2/13/2020 10:59:03 AM



#20
Methylene Chloride
Concen: 55.860 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065168.D
Acq: 12 Feb 2020 17:42

Tgt Ion: 84 Resp: 222428
Ion Ratio Lower Upper
84 100
49 122.8 100.4 150.6
51 37.8 32.7 49.1
86 65.7 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 52.447 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

Tot Ion:	96	Resp:	224767
Ion	Ratio	Lower	Upper
96	100		
61	134.8	109.5	164.3
98	61.7	53.7	80.5

Instrument :

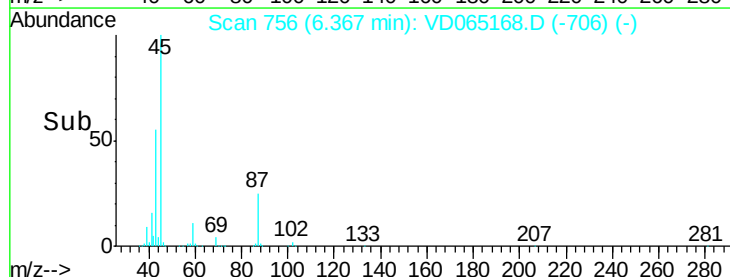
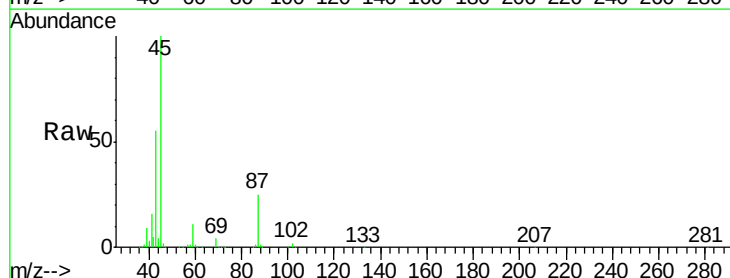
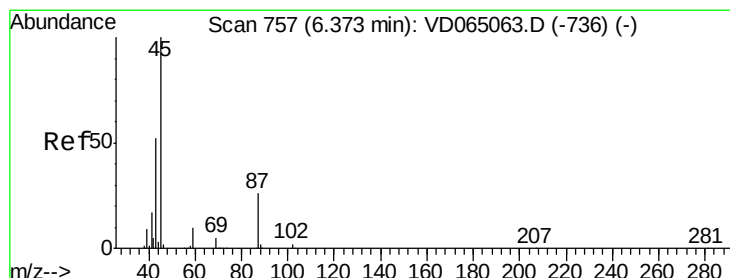
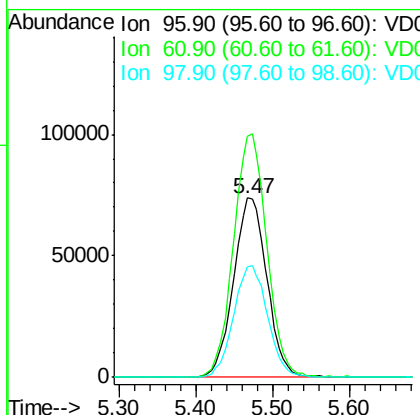
MSVOA_D

ClientSampleId :

VSTDCCC050EC

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#22

Diisopropyl ether

Concen: 55.442 ug/l

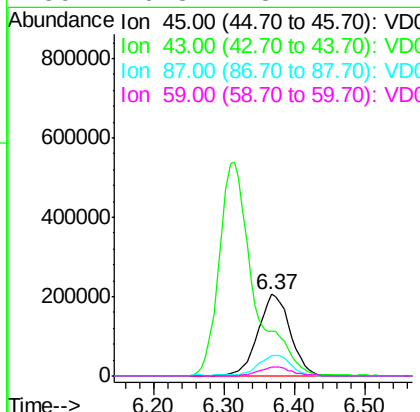
RT: 6.37 min Scan# 756

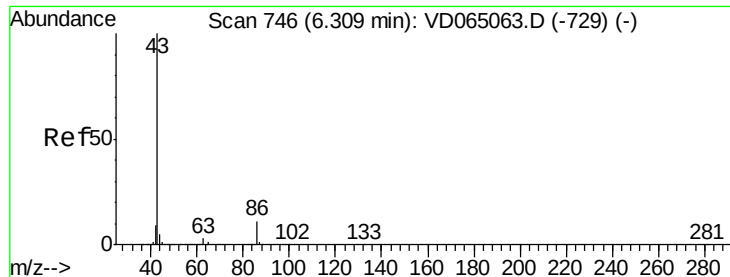
Delta R.T. -0.01 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

Tgt Ion:	45	Resp:	658366
Ion	Ratio	Lower	Upper
45	100		
43	54.9	41.3	61.9
87	24.9	21.0	31.6
59	10.8	8.2	12.4





#23

Vinyl Acetate

Concen: 275.906 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1826166

Ion Ratio Lower Upper

43 100

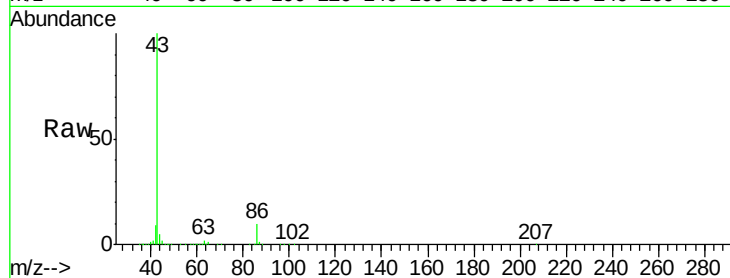
86 10.3 8.5 12.7

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

600000

500000

400000

300000

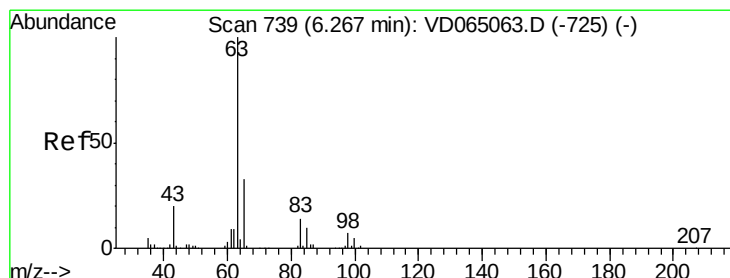
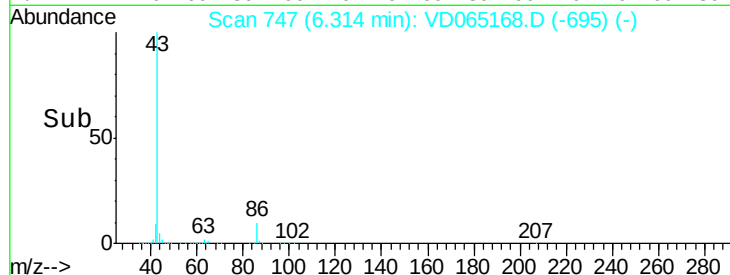
200000

100000

0

6.10 6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 53.347 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

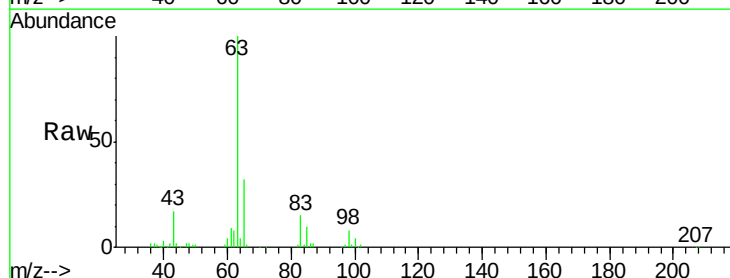
Tgt Ion: 63 Resp: 383441

Ion Ratio Lower Upper

63 100

98 8.0 3.5 10.4

100 4.5 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

150000

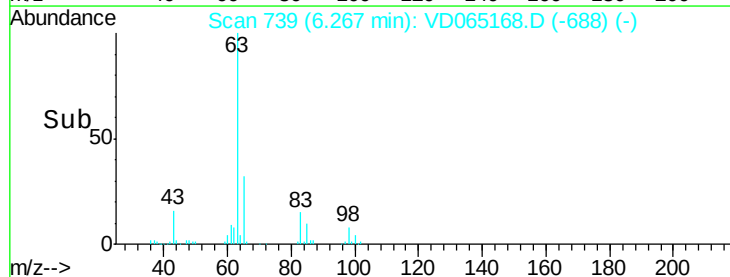
100000

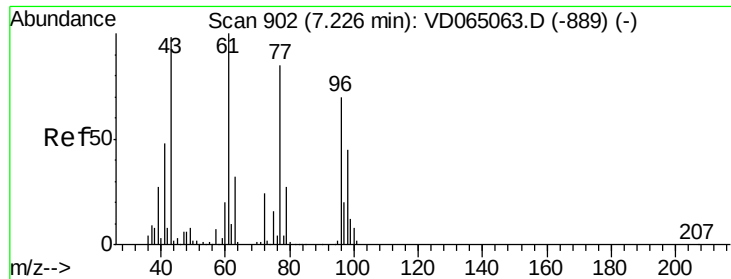
50000

0

6.10 6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 262.337 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 285348

Ion Ratio Lower Upper

43 100

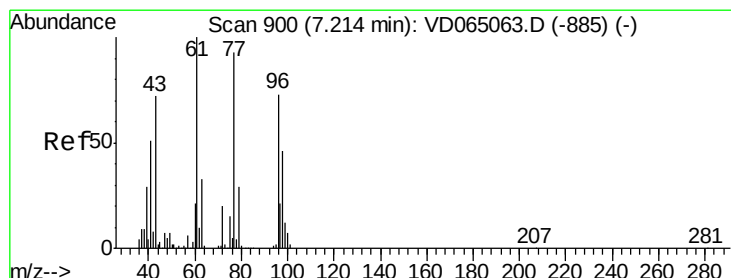
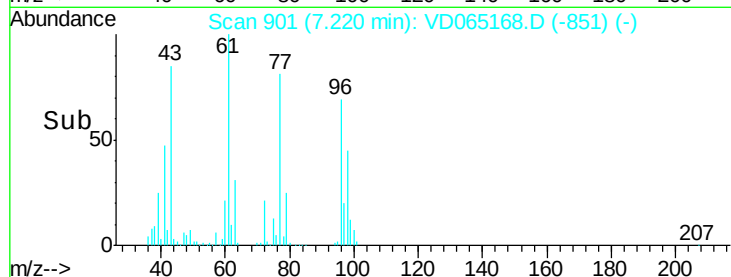
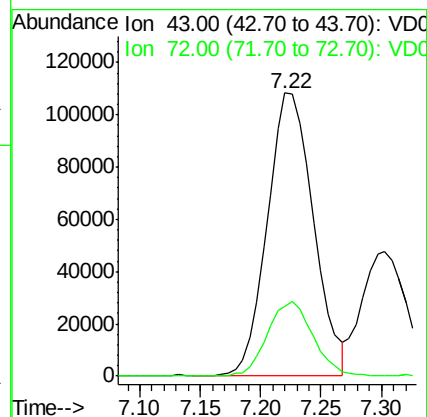
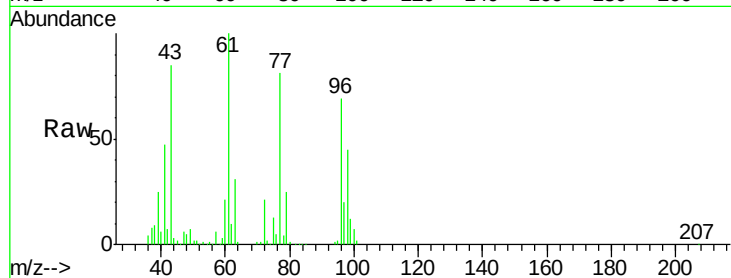
72 24.5 19.9 29.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 51.471 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065168.D

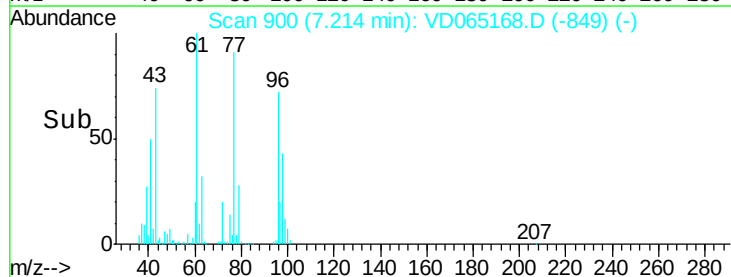
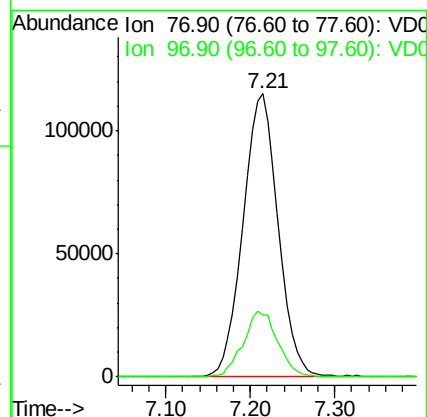
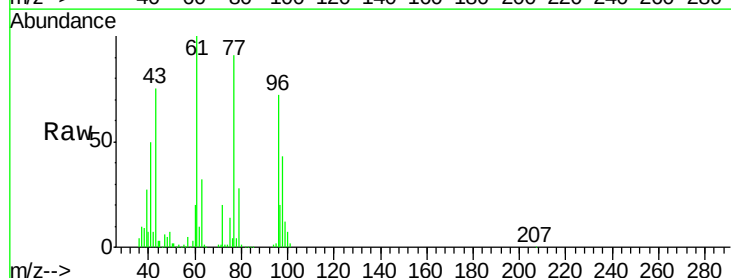
Acq: 12 Feb 2020 17:42

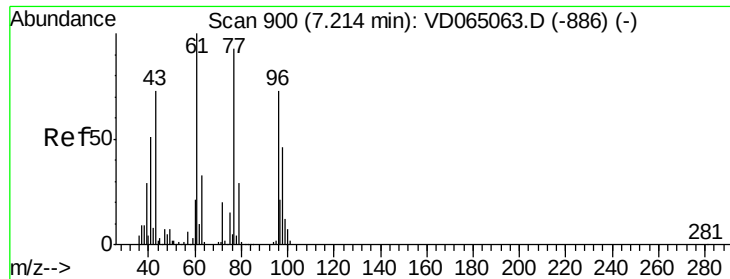
Tgt Ion: 77 Resp: 331600

Ion Ratio Lower Upper

77 100

97 22.9 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 53.639 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

Instrument :

MSVOA_D

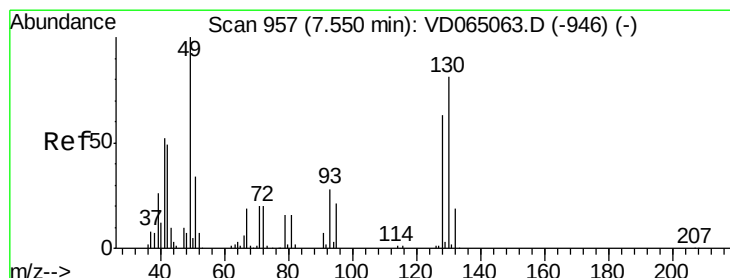
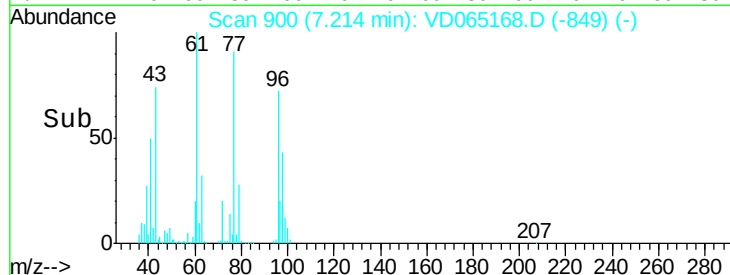
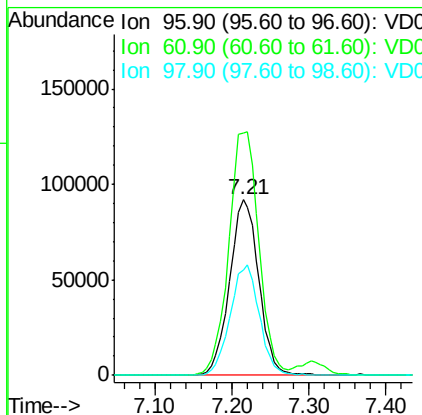
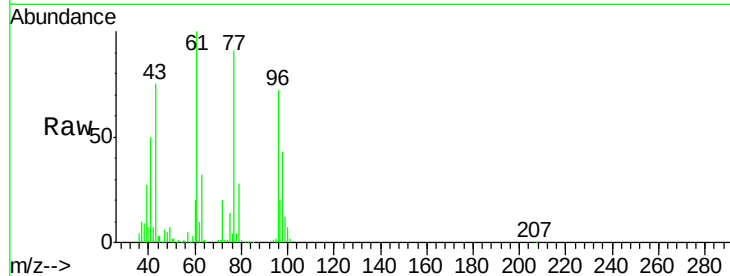
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	244213
Ion	Ratio	Lower	Upper
96	100		
61	142.8	0.0	292.8
98	62.7	0.0	128.8

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#28

Bromochloromethane

Concen: 55.201 ug/l

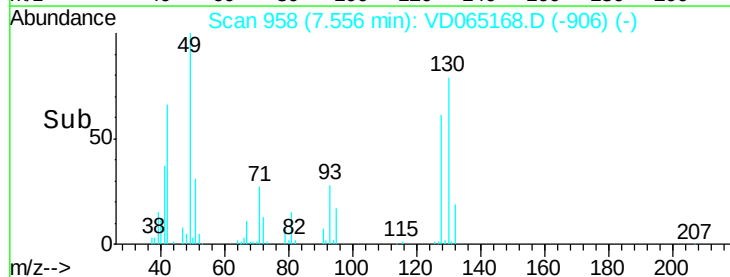
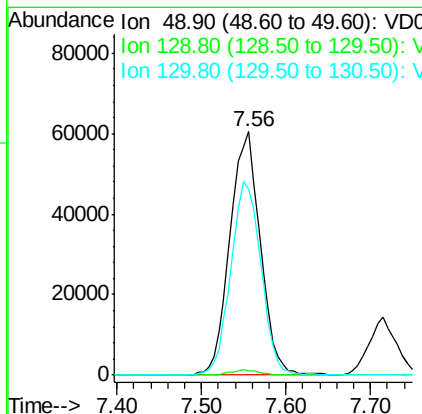
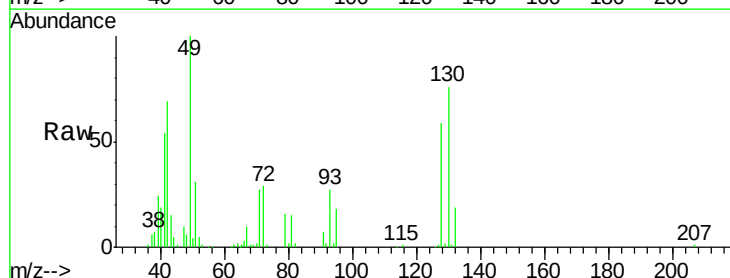
RT: 7.56 min Scan# 958

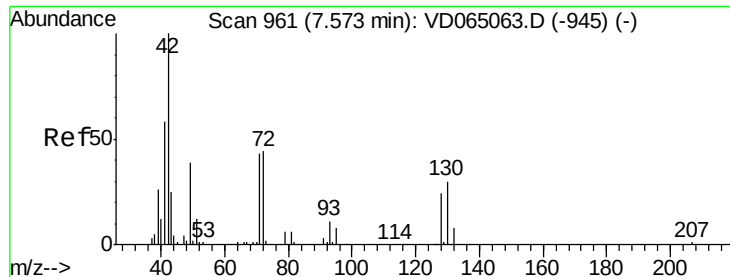
Delta R.T. 0.01 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

Tgt Ion:	49	Resp:	150402
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.4
130	79.2	63.8	95.8





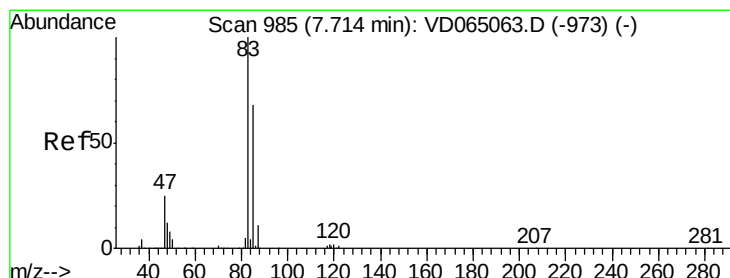
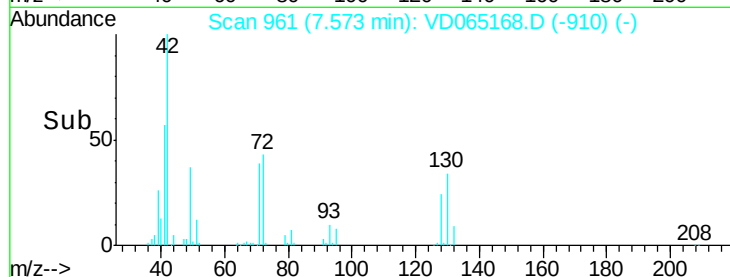
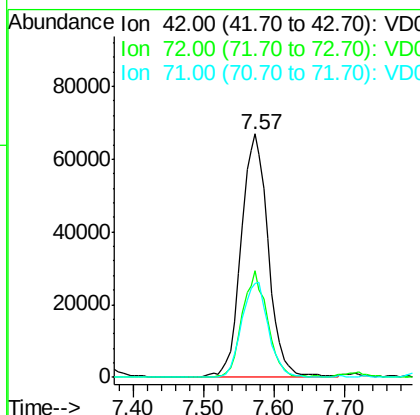
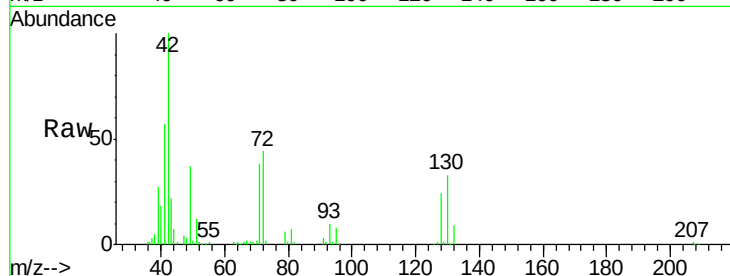
#29
Tetrahydrofuran
Concen: 271.954 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD065168.D
Acq: 12 Feb 2020 17:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.4	34.2	51.4
71	38.4	31.8	47.6

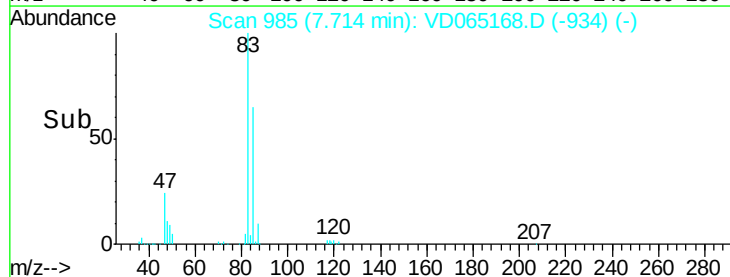
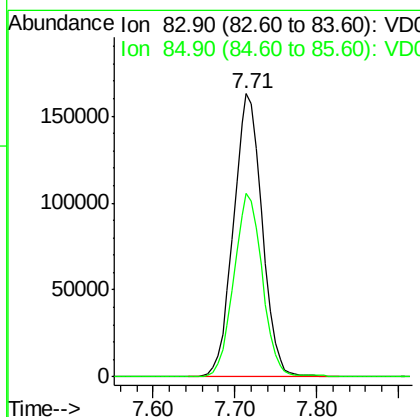
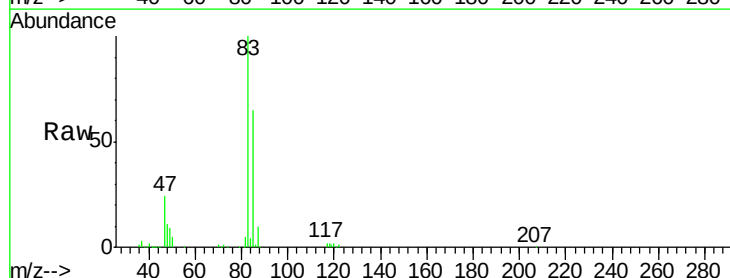
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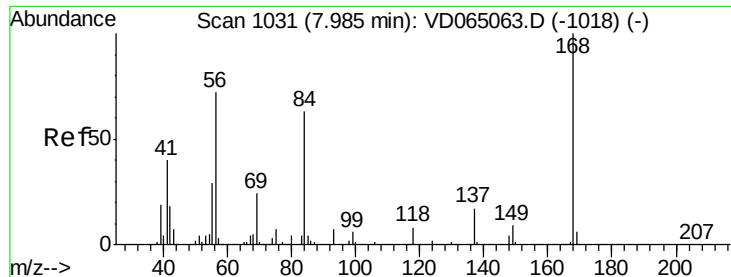
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#30
Chloroform
Concen: 55.520 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065168.D
Acq: 12 Feb 2020 17:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	54.2	81.4





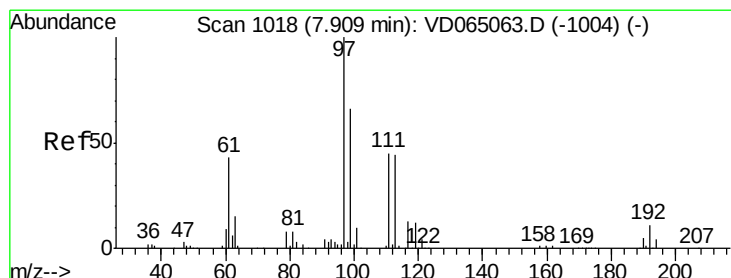
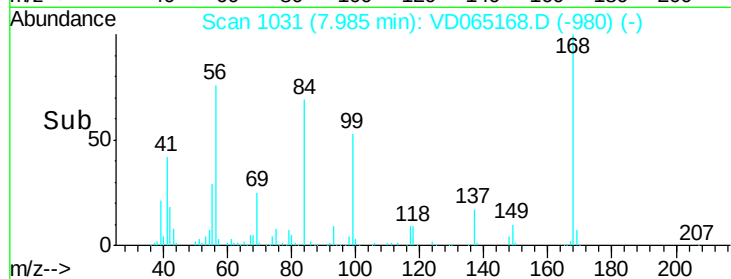
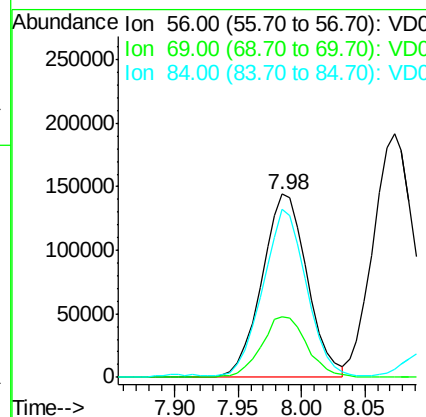
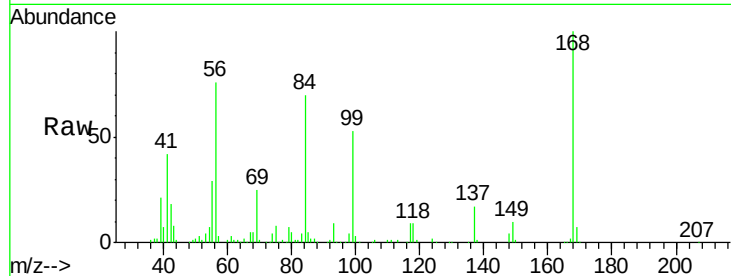
#31
Cyclohexane
Concen: 49.472 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065168.D
Acq: 12 Feb 2020 17:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.3	26.6	40.0
84	90.4	70.6	106.0

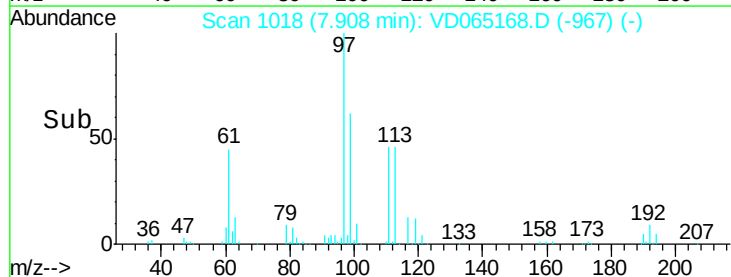
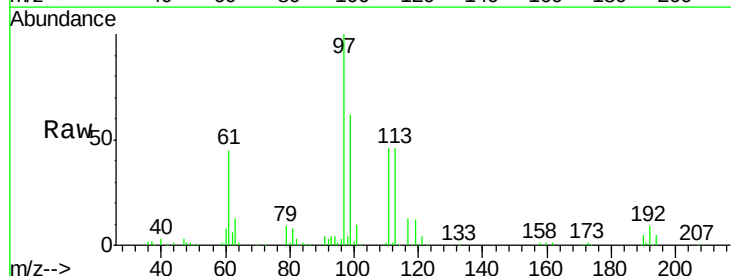
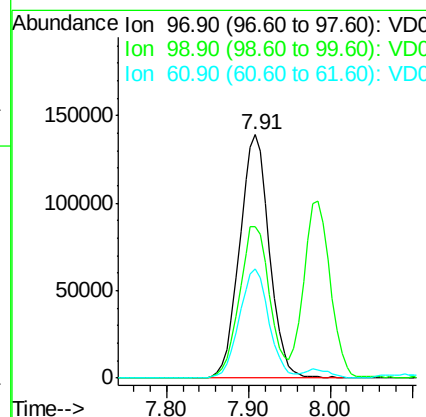
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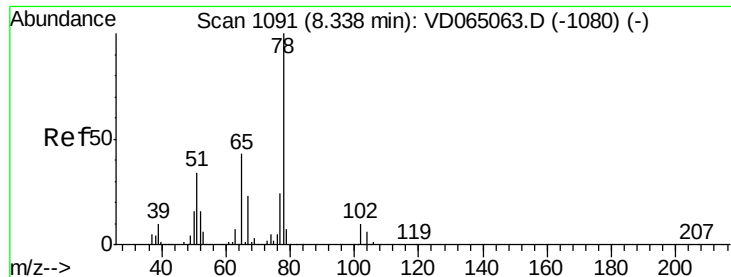
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#32
1,1,1-Trichloroethane
Concen: 52.741 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD065168.D
Acq: 12 Feb 2020 17:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.5	77.3
61	44.4	34.8	52.2





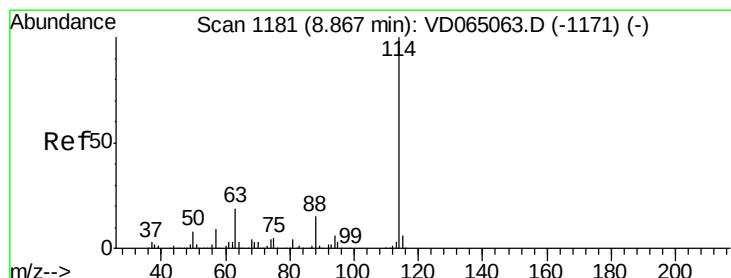
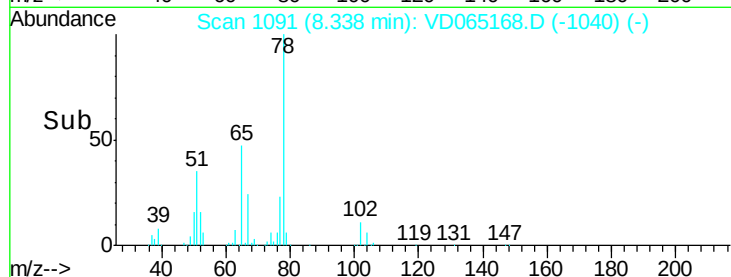
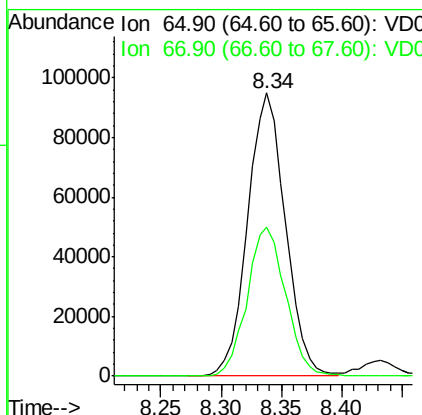
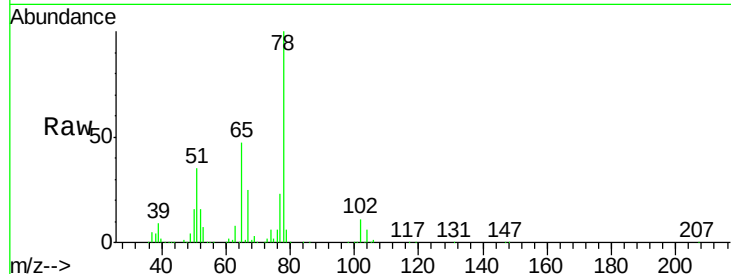
#33
 1,2-Dichloroethane-d4
 Concen: 56.511 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065168.D
 Acq: 12 Feb 2020 17:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	206106		
67	54.0	0.0	105.8	

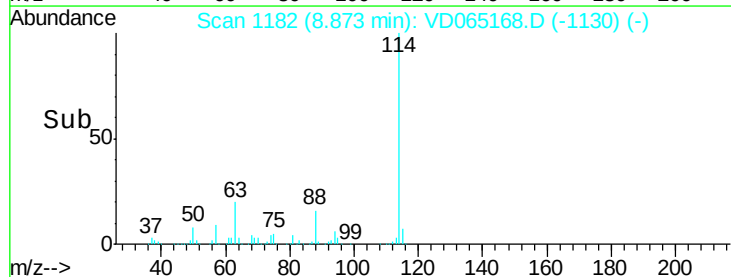
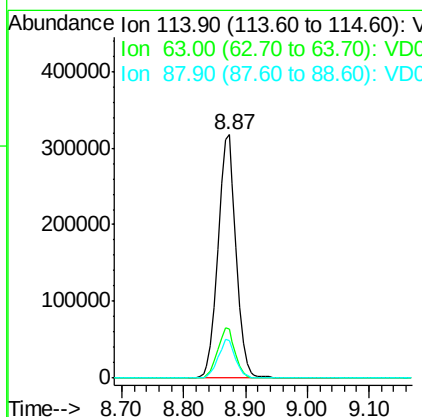
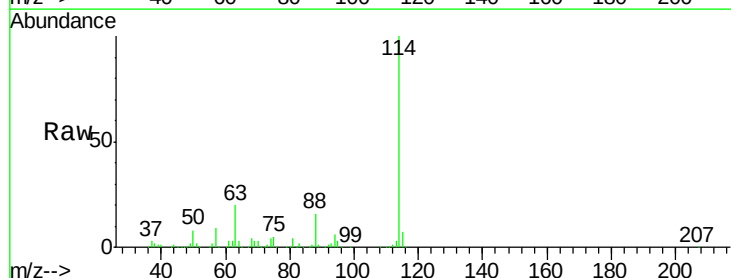
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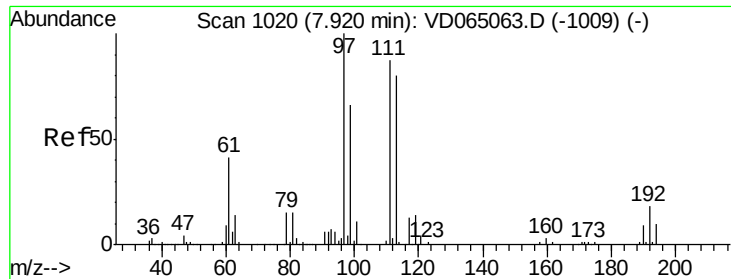
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD065168.D
 Acq: 12 Feb 2020 17:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	641912		
63	20.0	0.0	38.8	
88	15.6	0.0	29.6	





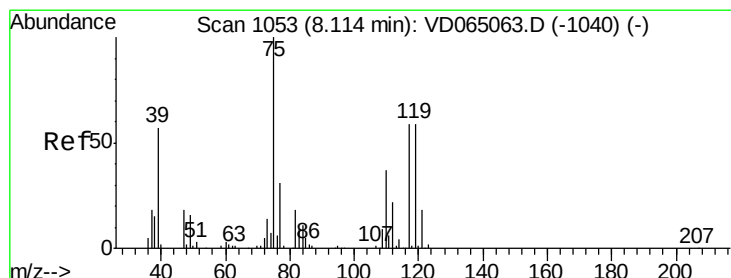
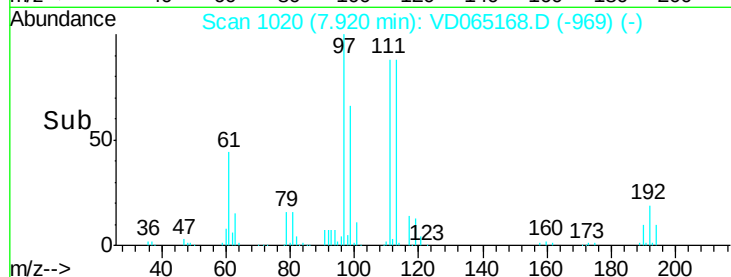
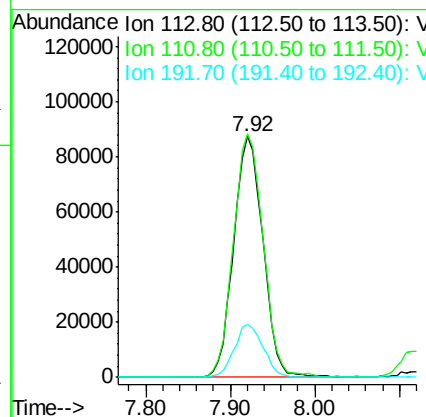
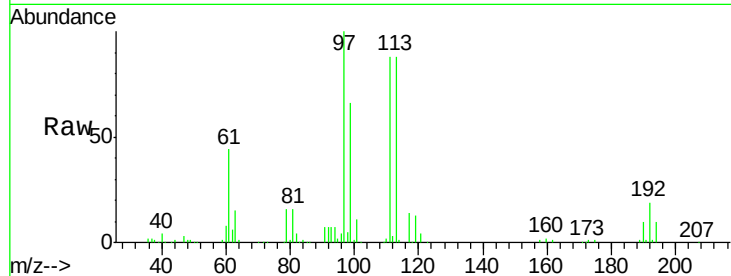
#35
 Dibromofluoromethane
 Concen: 58.366 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065168.D
 Acq: 12 Feb 2020 17:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	209037		
111	102.8		83.1	124.7
192	21.6		18.1	27.1

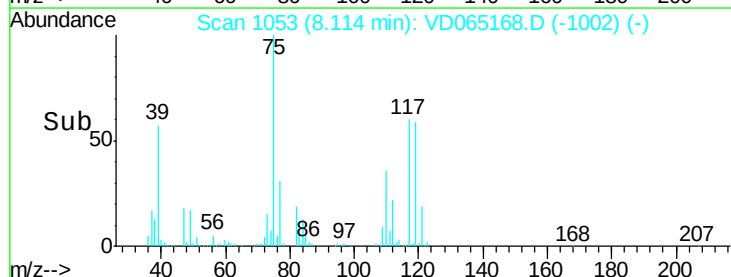
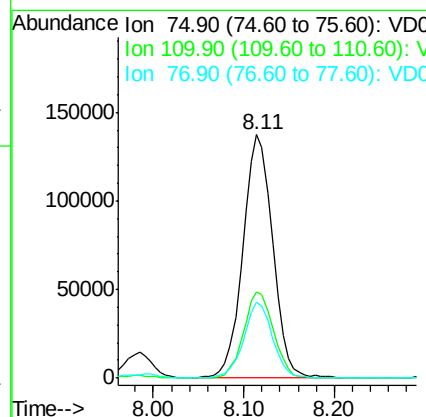
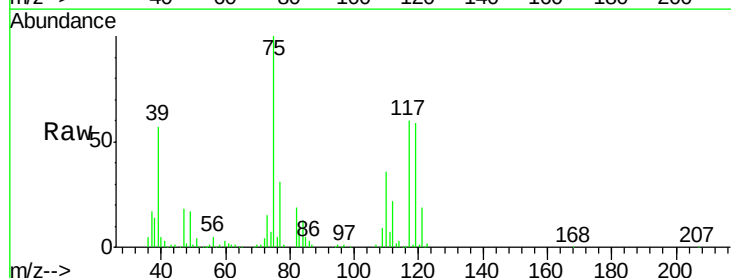
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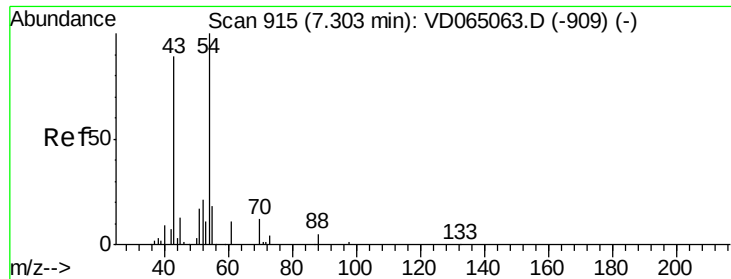
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#36
 1,1-Dichloropropene
 Concen: 52.458 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065168.D
 Acq: 12 Feb 2020 17:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	313116		
110	35.6		18.1	54.3
77	30.4		24.7	37.1





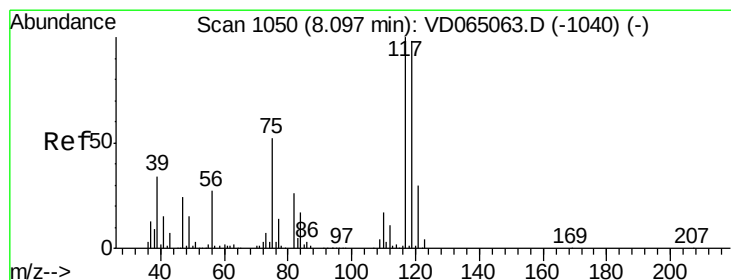
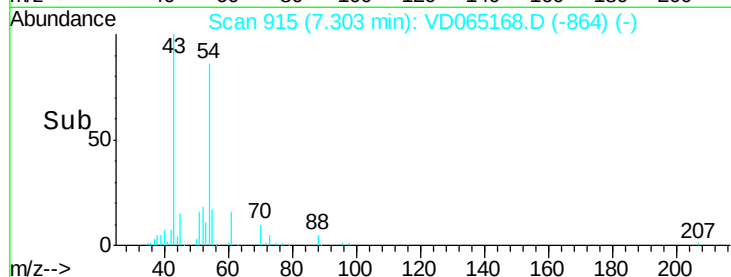
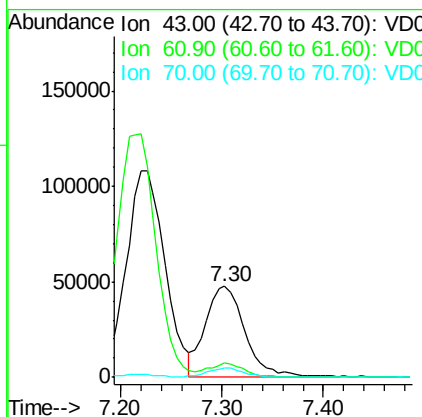
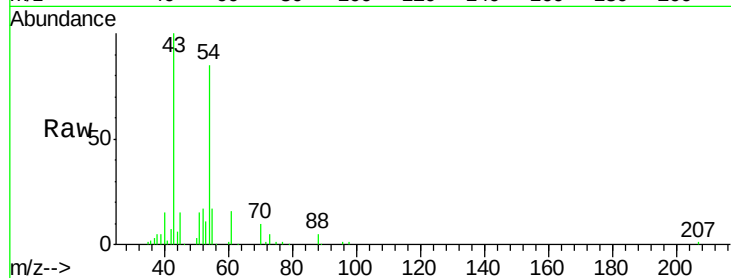
#37
Ethyl Acetate
Concen: 51.712 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD065168.D
Acq: 12 Feb 2020 17:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.0	16.4
70	9.6	8.2	12.2

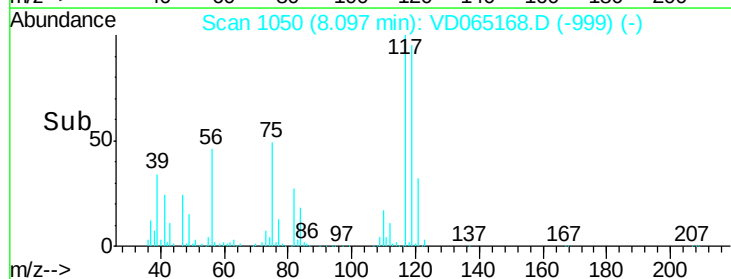
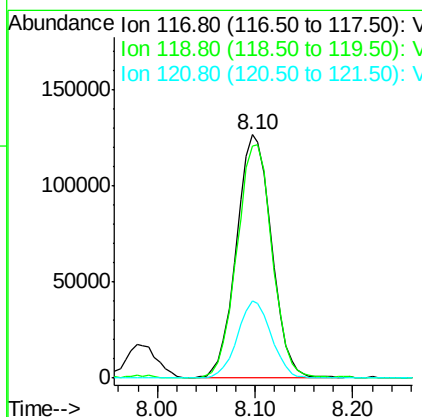
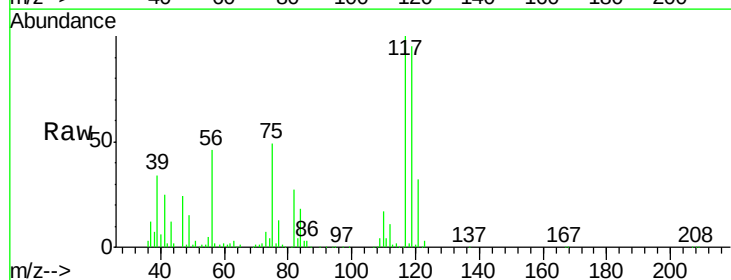
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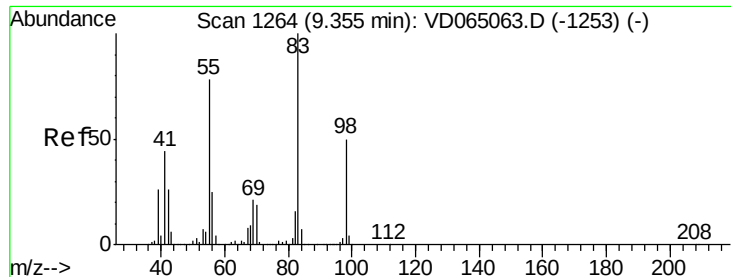
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#38
Carbon Tetrachloride
Concen: 51.962 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065168.D
Acq: 12 Feb 2020 17:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	78.5	117.7
121	32.0	23.8	35.6





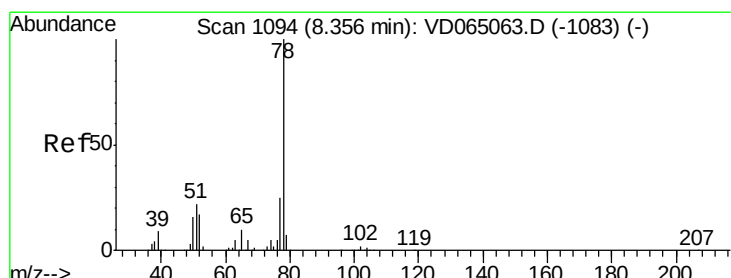
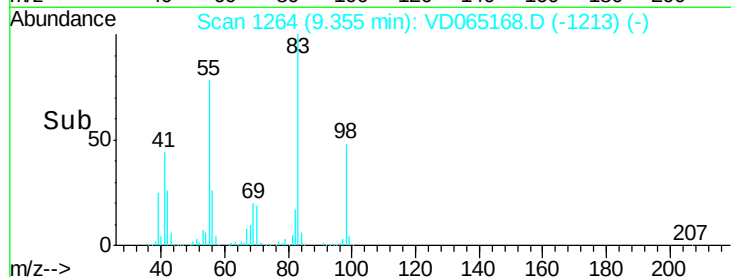
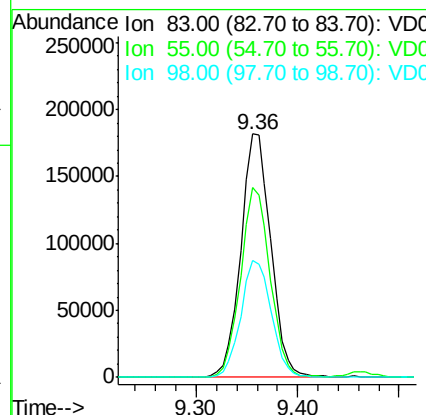
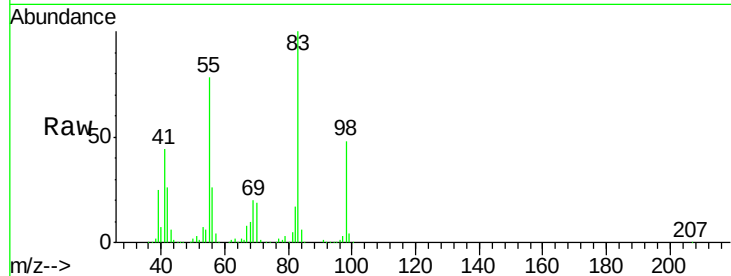
#39
Methylvlcyclohexane
Concen: 50.714 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065168.D
Acq: 12 Feb 2020 17:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.7	62.0	93.0
98	48.2	39.9	59.9

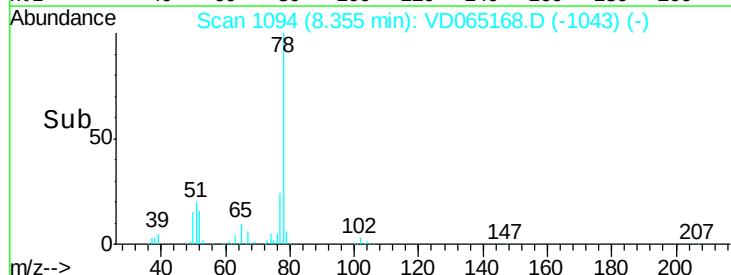
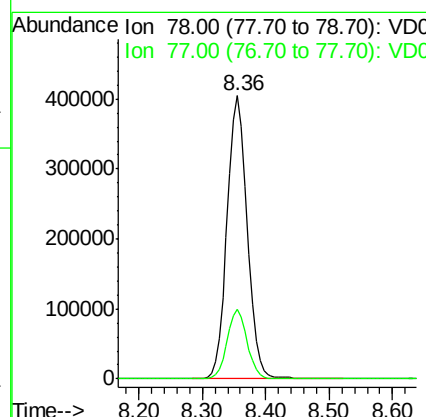
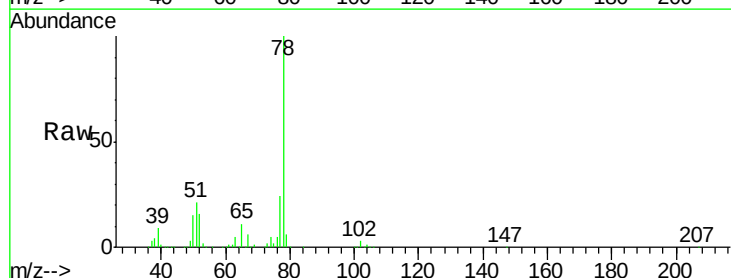
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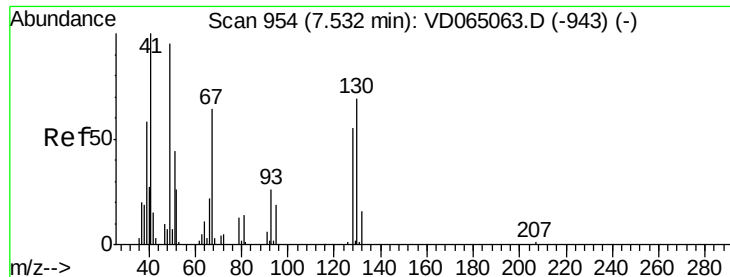
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#40
Benzene
Concen: 53.980 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065168.D
Acq: 12 Feb 2020 17:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.6	29.4





#41

Methacrylonitrile

Concen: 60.123 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.00 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 80770
Ion Ratio Lower Upper

41 100

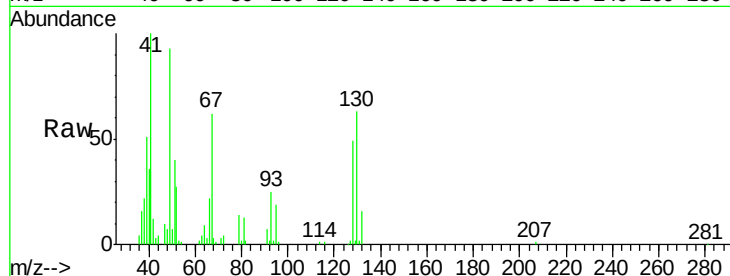
39 52.8 55.4 83.0#

67 62.2 59.0 88.6

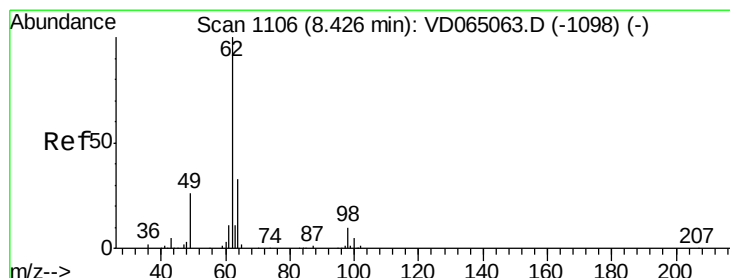
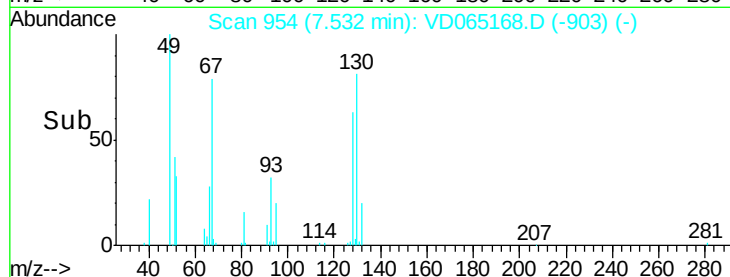
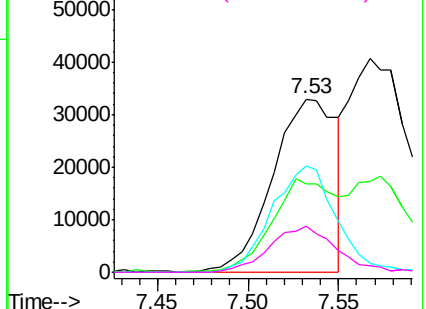
52 27.8 25.4 38.0

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Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 52.890 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.01 min

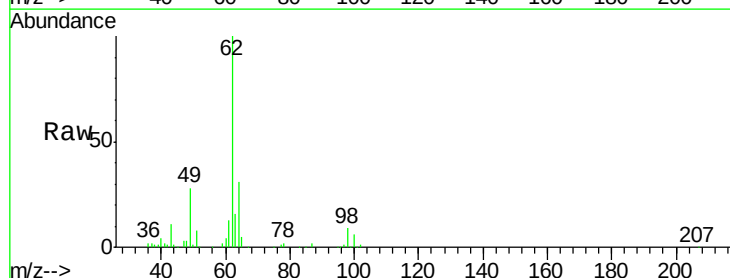
Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

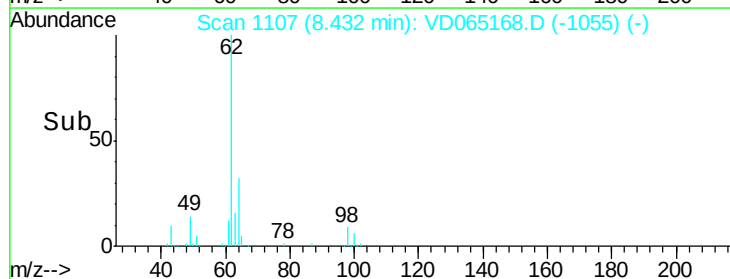
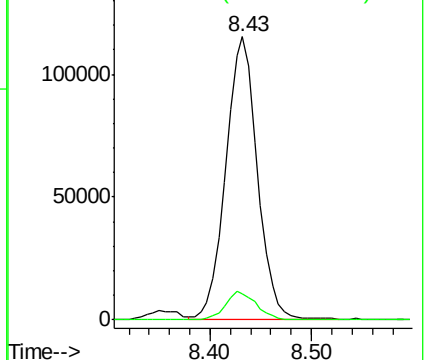
Tgt Ion: 62 Resp: 248399
Ion Ratio Lower Upper

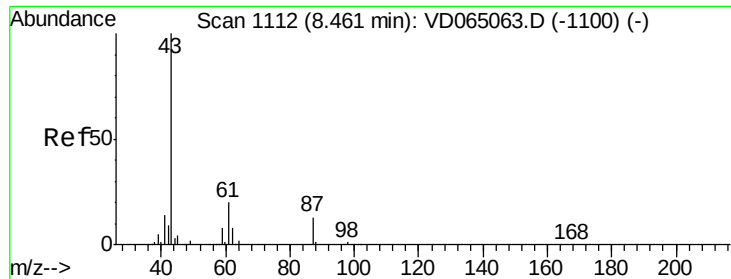
62 100

98 9.7 0.0 18.6



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 50.794 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

Instrument :

MSVOA_D

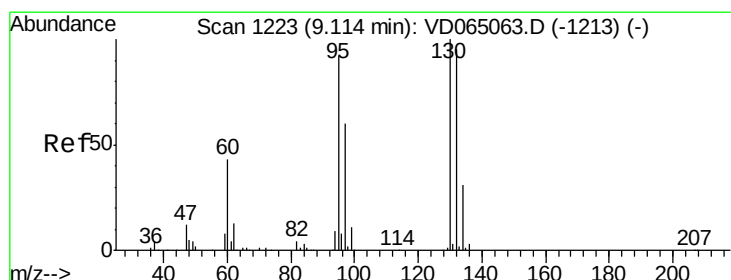
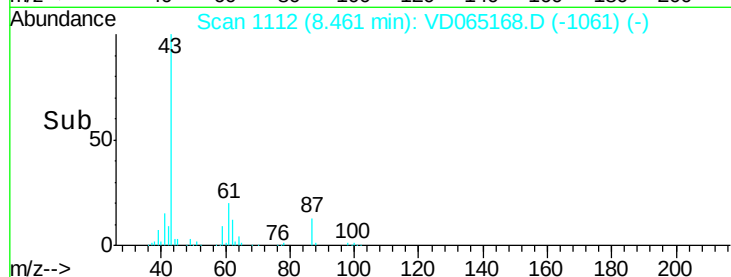
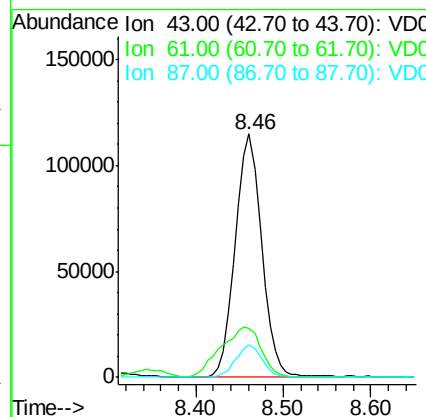
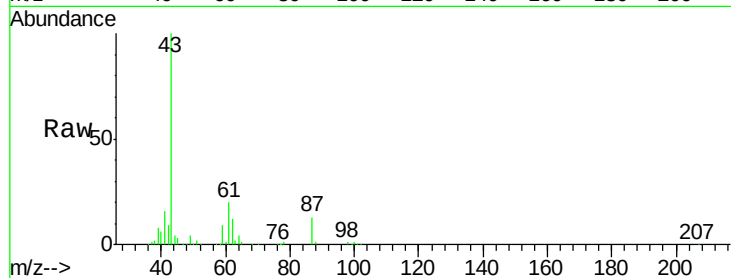
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	236935
Ion Ratio		Lower	Upper
43	100		
61	31.1	24.0	36.0
87	13.1	10.2	15.4

Manual Integrations
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#44

Trichloroethene

Concen: 51.368 ug/l

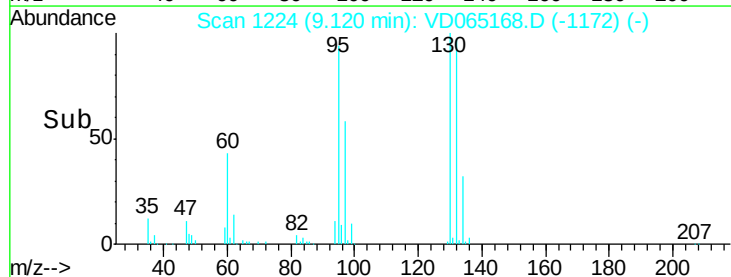
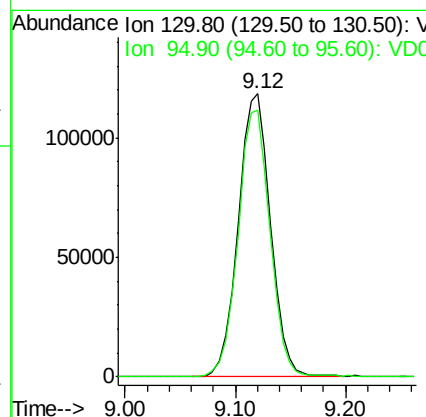
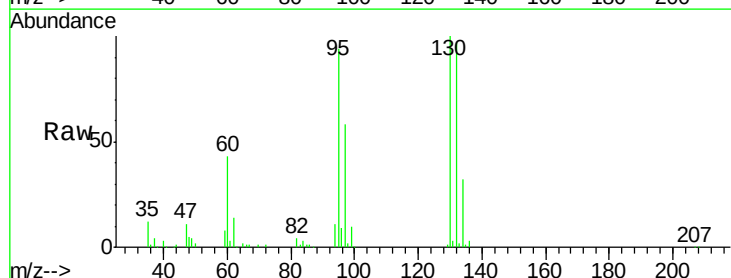
RT: 9.12 min Scan# 1224

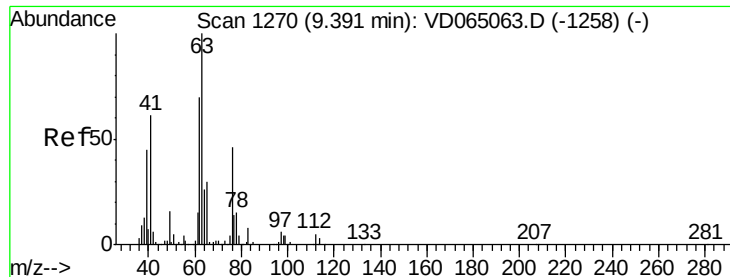
Delta R.T. 0.01 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

Tgt Ion:	130	Resp:	243028
Ion Ratio		Lower	Upper
130	100		
95	94.3	0.0	185.0





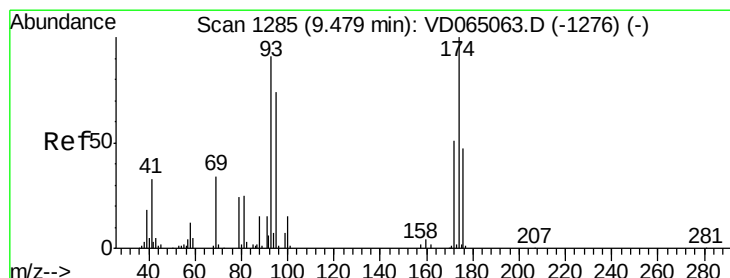
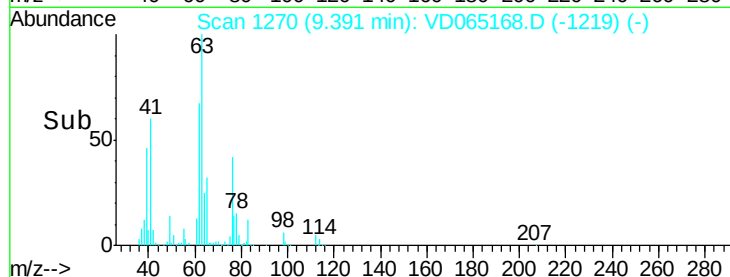
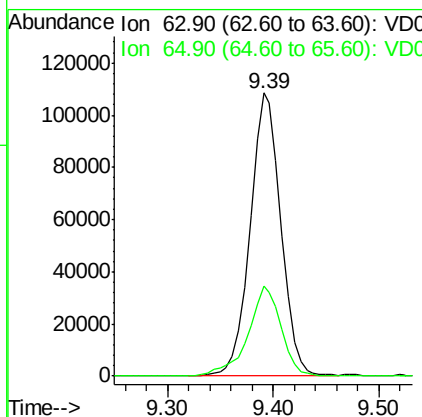
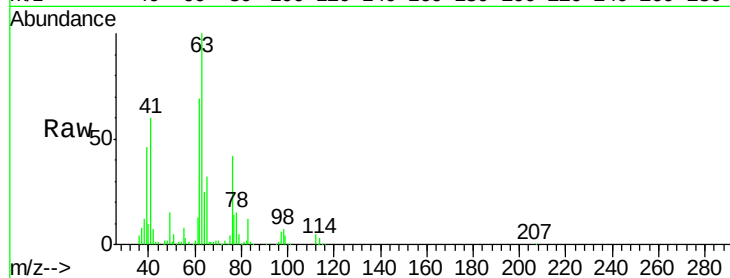
#45
 1,2-Dichloropropane
 Concen: 55.714 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065168.D
 Acq: 12 Feb 2020 17:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.7	23.9	35.9

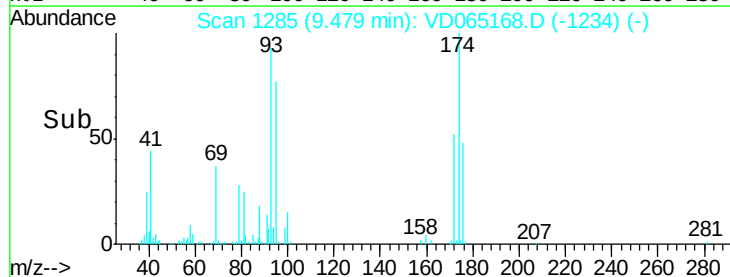
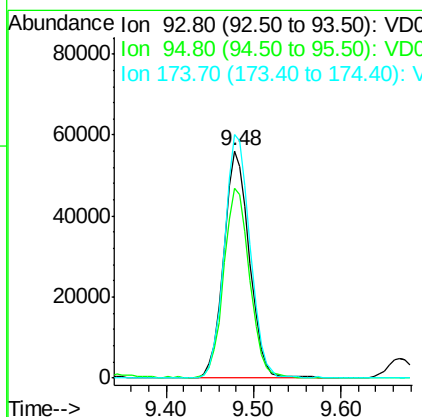
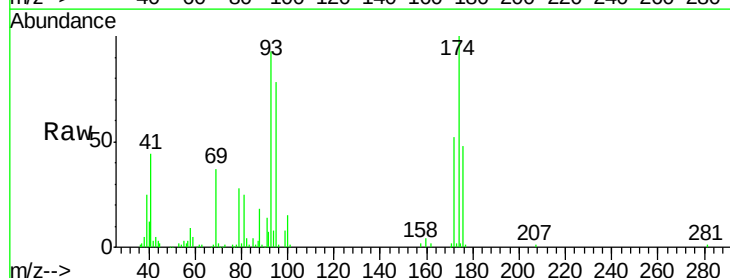
Manual Integrations
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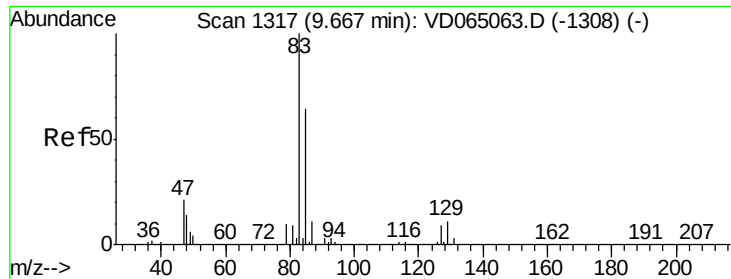
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 2/13/2020 10:59:03 AM



#46
 Dibromomethane
 Concen: 54.333 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065168.D
 Acq: 12 Feb 2020 17:42

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.8	66.5	99.7
174	107.3	89.8	134.8





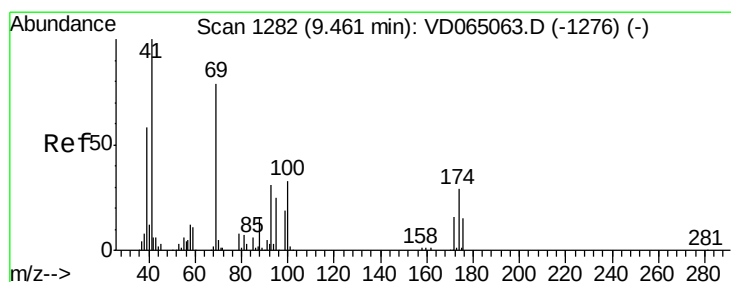
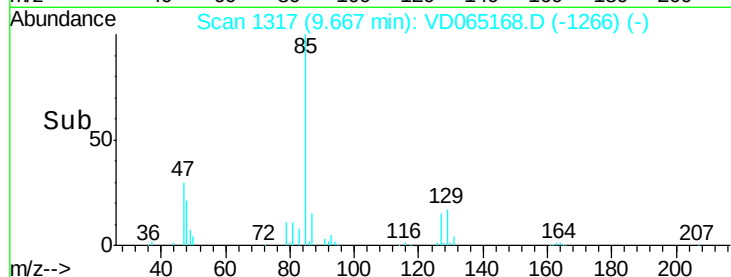
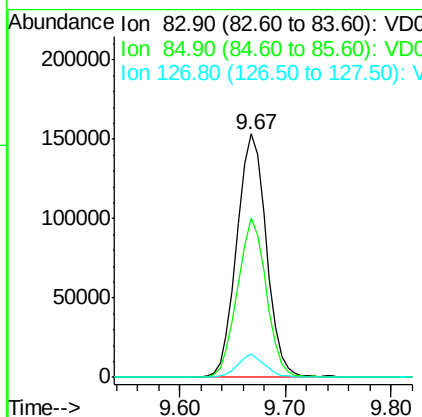
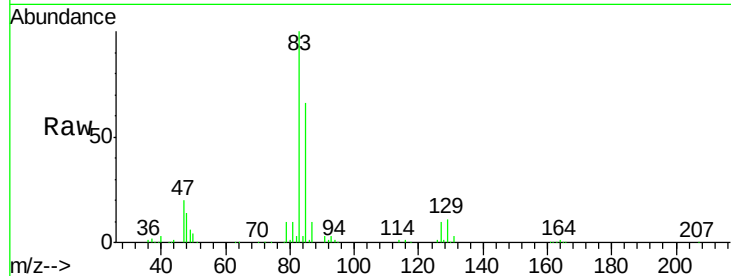
#47
Bromodichloromethane
Concen: 54.494 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD065168.D
Acq: 12 Feb 2020 17:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	298178		
85	65.6		51.0	76.6
127	9.6		7.3	10.9

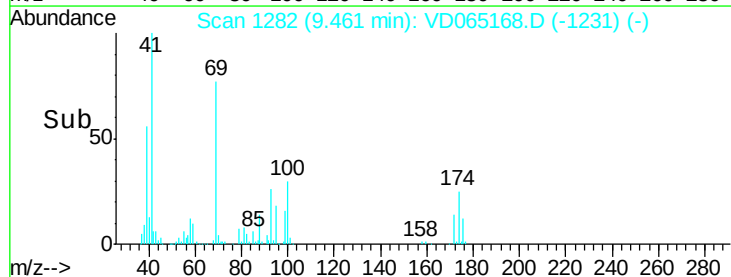
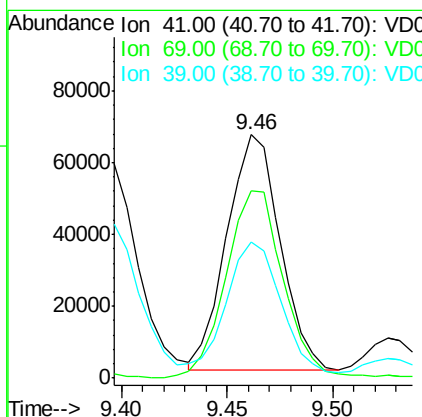
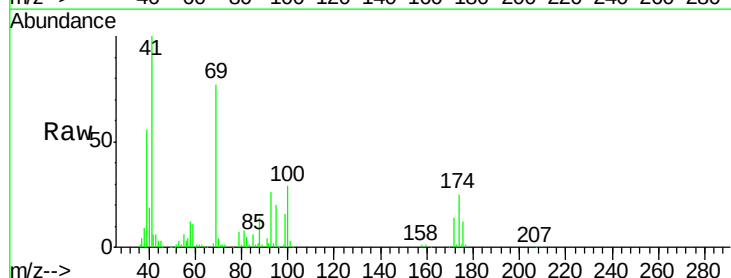
Manual Integrations
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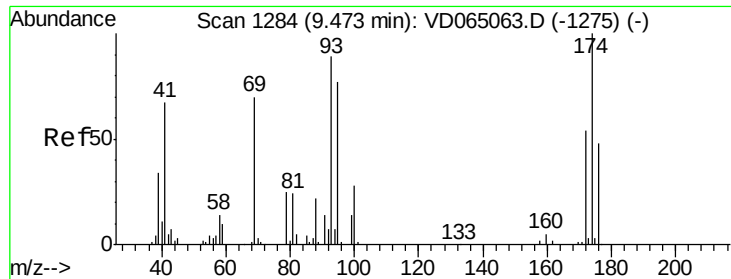
MMDadoda
2/13/2020 10:59:03 AM



#48
Methyl methacrylate
Concen: 51.231 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD065168.D
Acq: 12 Feb 2020 17:42

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	114995		
69	85.5		67.5	101.3
39	55.2		47.0	70.4





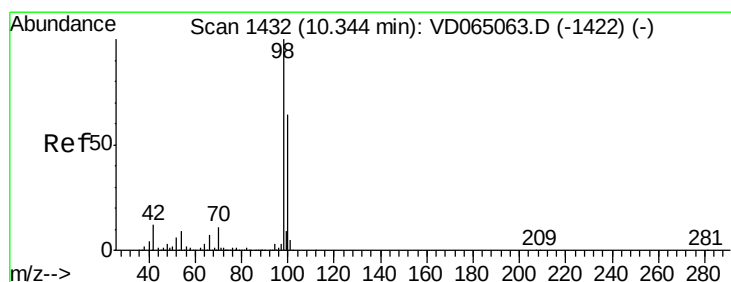
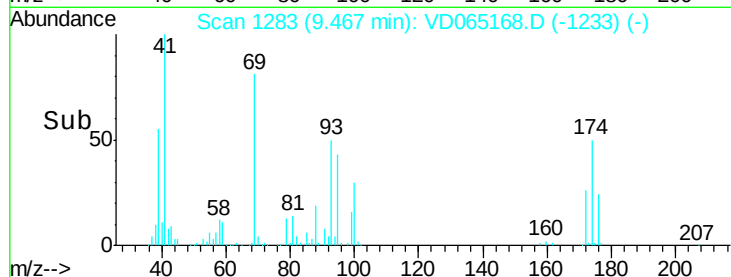
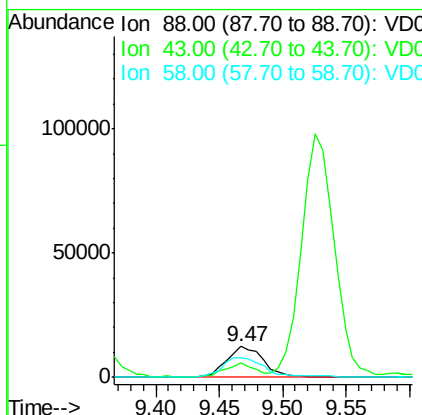
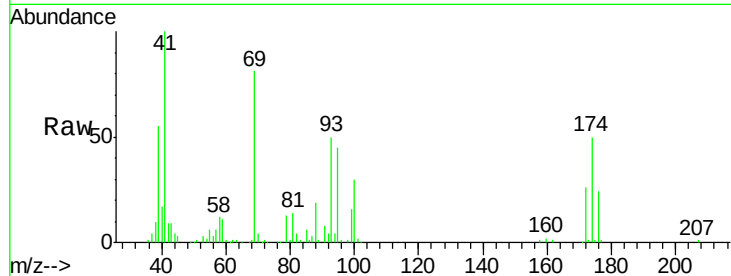
#49
1,4-Dioxane
Concen: 1017.675 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.01 min
Lab File: VD065168.D
Acq: 12 Feb 2020 17:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	25031
Ion	Ratio	Lower	Upper
88	100		
43	35.3	27.7	41.5
58	71.5	55.5	83.3

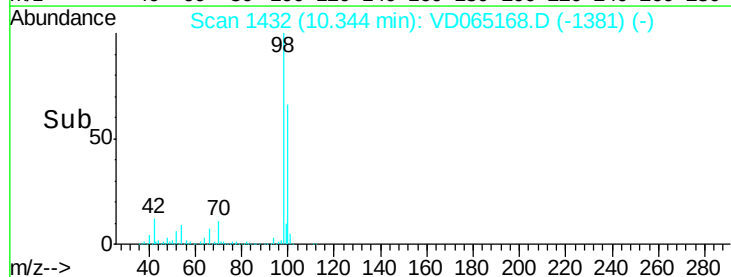
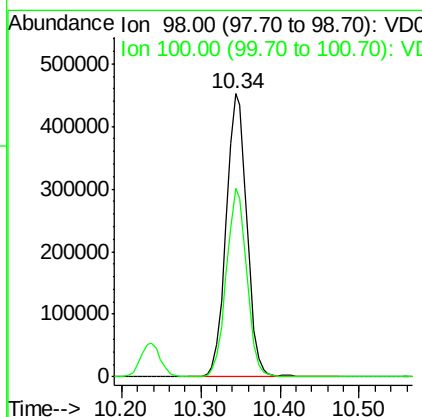
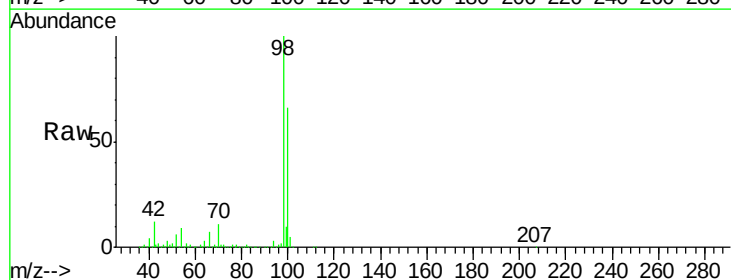
Manual Integrations
APPROVED

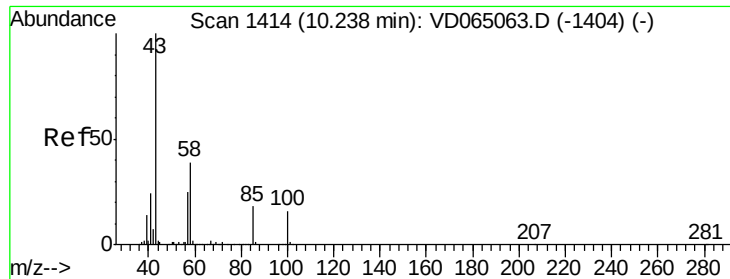
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#50
Toluene-d8
Concen: 57.066 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065168.D
Acq: 12 Feb 2020 17:42

Tgt Ion	98	Resp	813489
Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.1	78.1





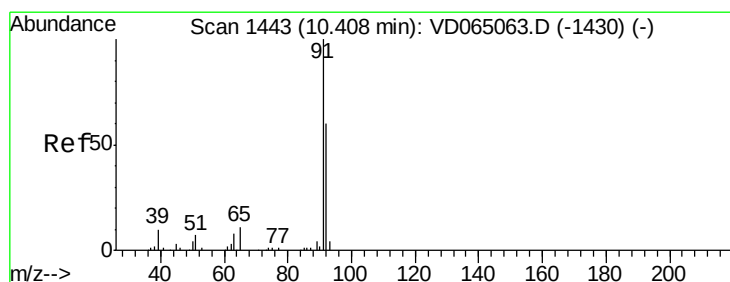
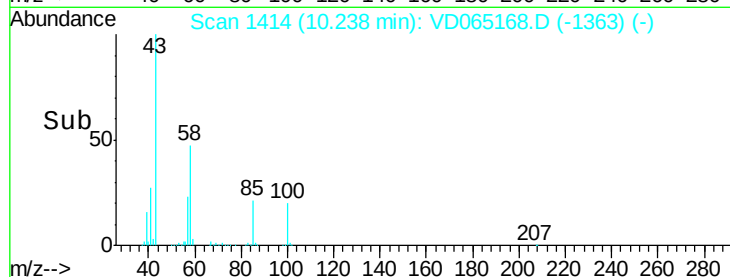
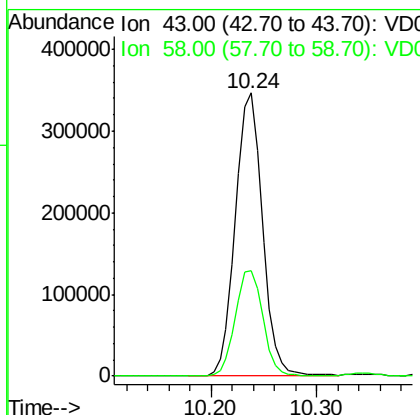
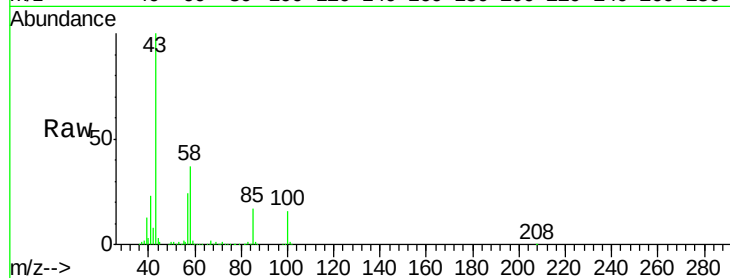
#51
 4-Methyl-2-Pentanone
 Concen: 268.707 ug/l
 RT: 10.24 min Scan# 1414
 Delta R.T. -0.00 min
 Lab File: VD065168.D
 Acq: 12 Feb 2020 17:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.9	30.2	45.2

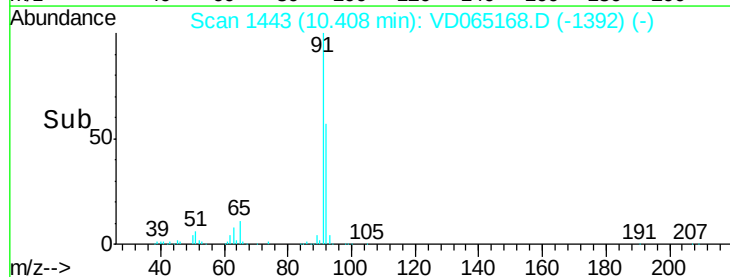
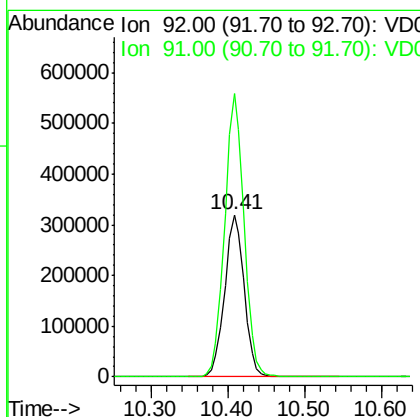
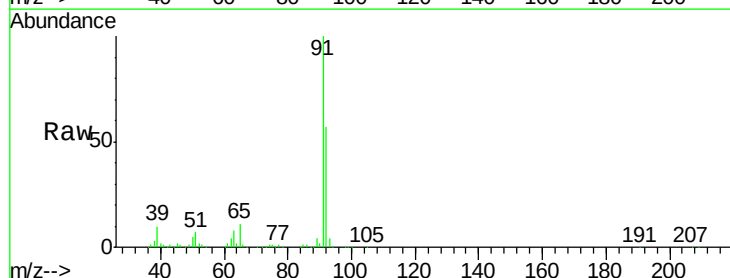
Manual Integrations
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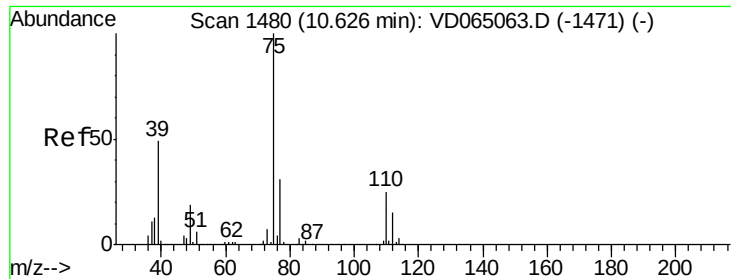
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#52
 Toluene
 Concen: 53.600 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD065168.D
 Acq: 12 Feb 2020 17:42

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.2	135.3	202.9





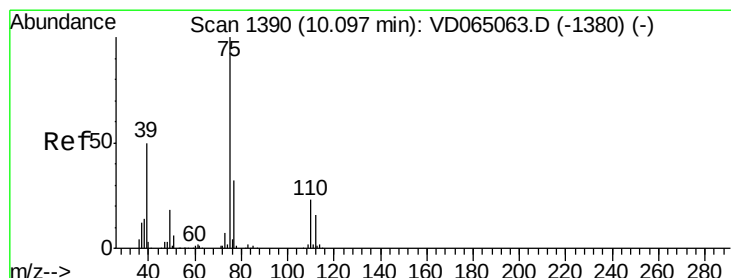
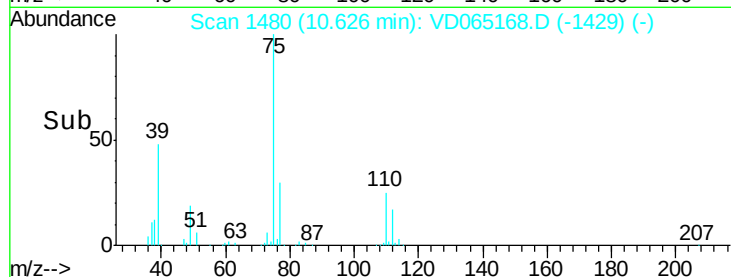
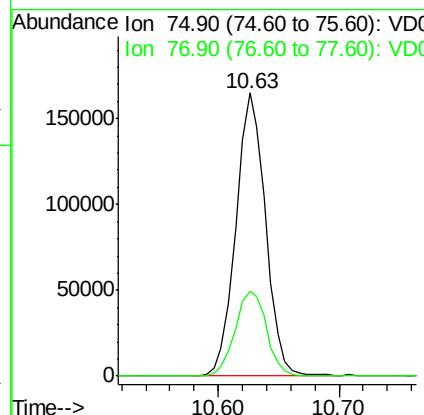
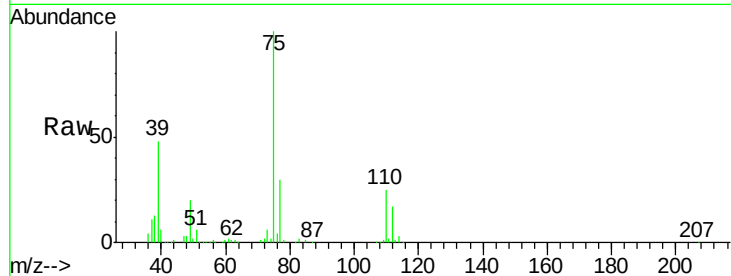
#53
t-1,3-Dichloropropene
Concen: 53.050 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065168.D
Acq: 12 Feb 2020 17:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.2	24.9	37.3

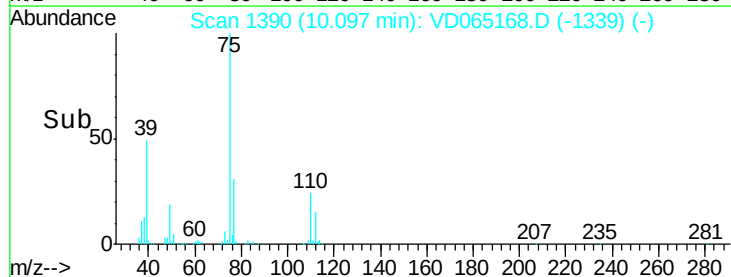
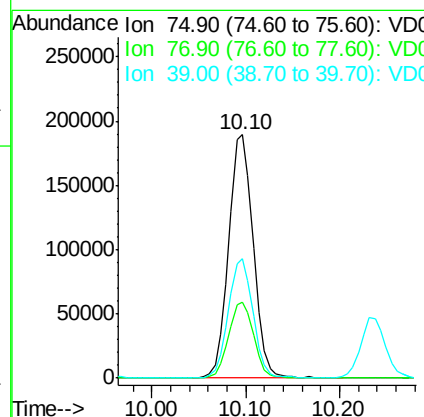
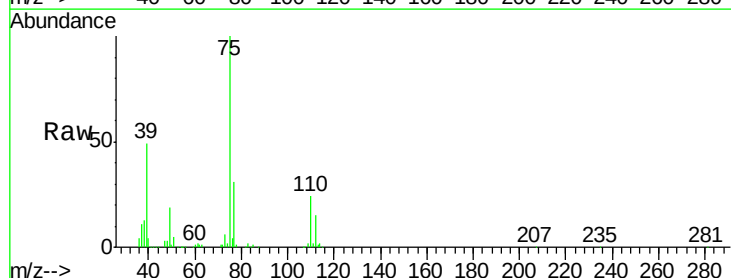
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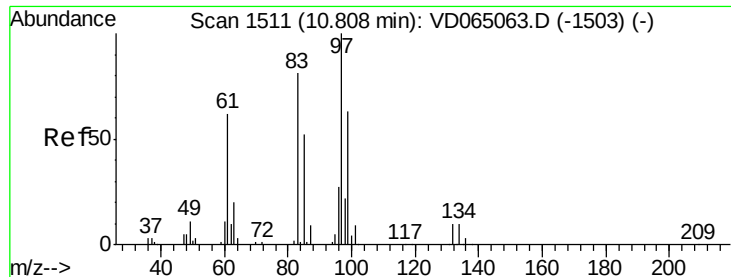
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#54
cis-1,3-Dichloropropene
Concen: 54.170 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VD065168.D
Acq: 12 Feb 2020 17:42

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.3	37.9
39	48.9	40.3	60.5





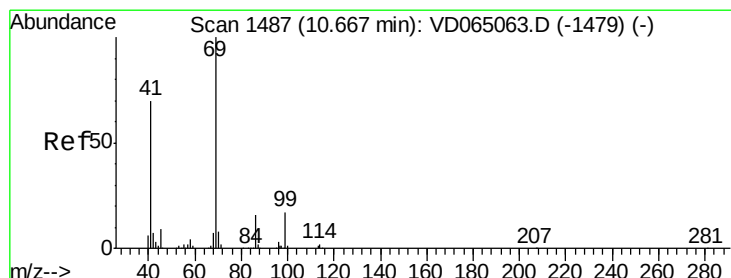
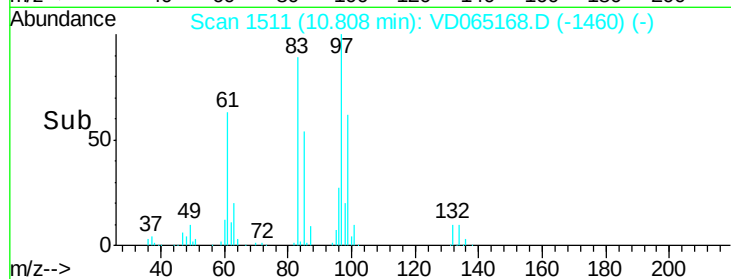
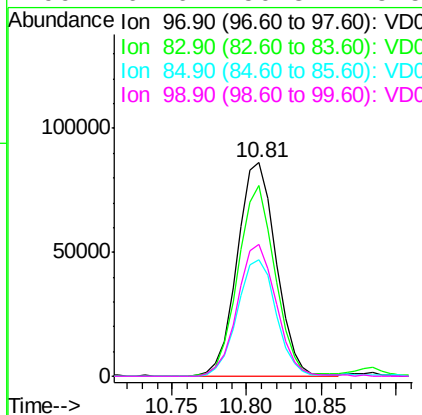
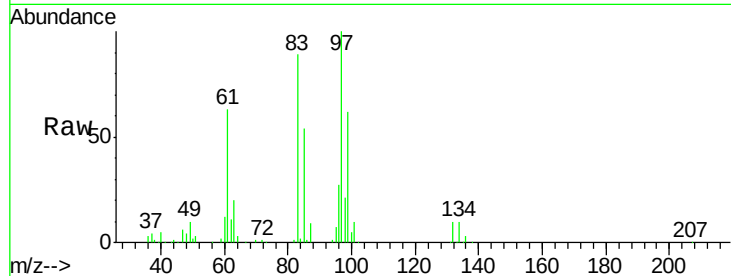
#55
 1,1,2-Trichloroethane
 Concen: 54.805 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065168.D
 Acq: 12 Feb 2020 17:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	156107
Ion	Ratio	Lower	Upper
97	100		
83	89.4	64.8	97.2
85	54.3	41.2	61.8
99	61.6	50.3	75.5

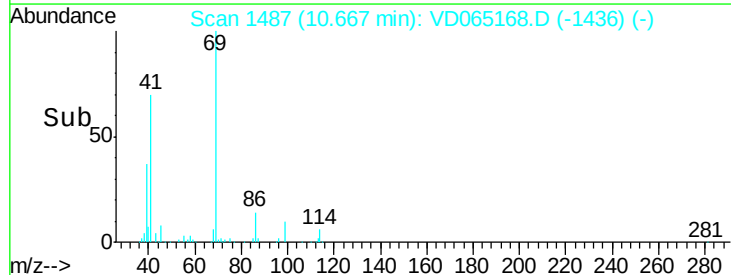
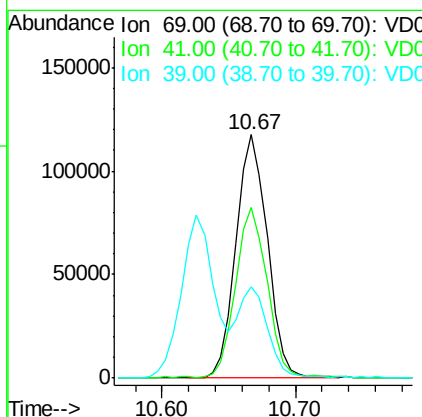
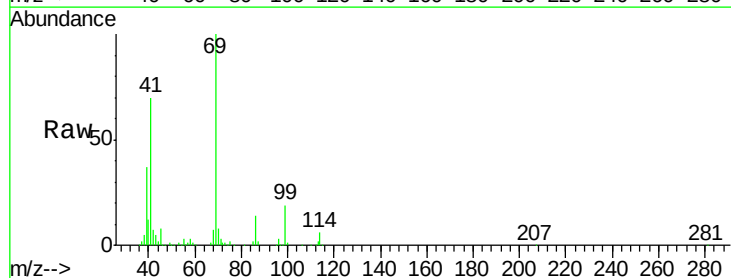
Manual Integrations
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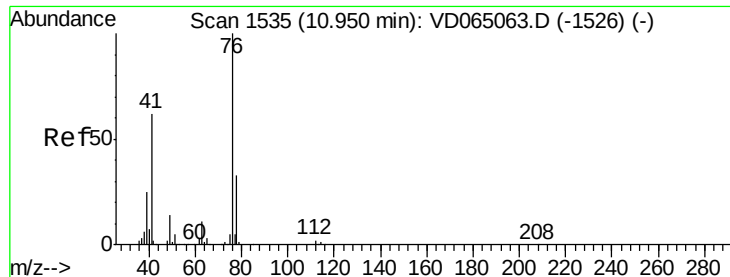
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#56
 Ethyl methacrylate
 Concen: 53.389 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065168.D
 Acq: 12 Feb 2020 17:42

Tgt Ion:	69	Resp:	192416
Ion	Ratio	Lower	Upper
69	100		
41	70.0	55.9	83.9
39	35.2	29.4	44.0





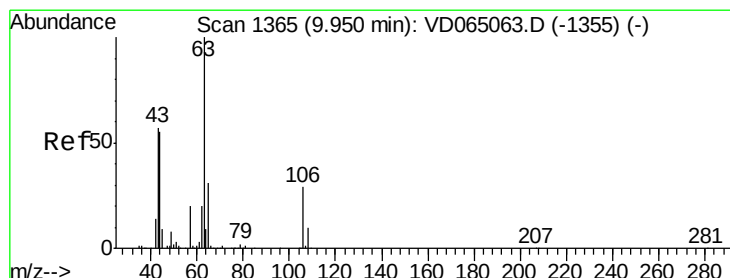
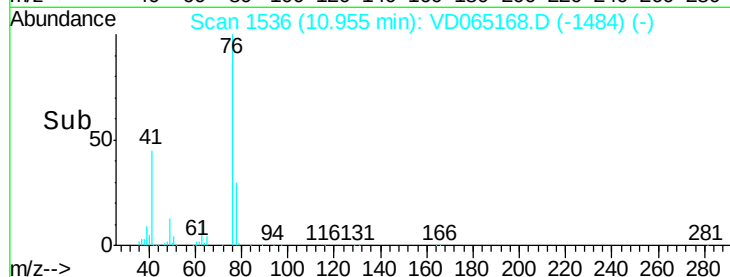
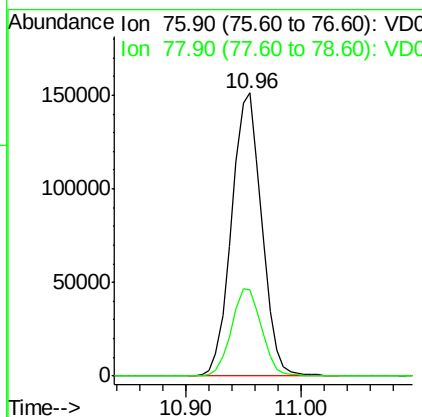
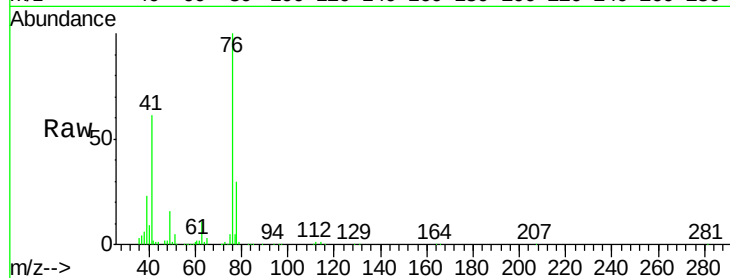
#57
 1,3-Dichloropropane
 Concen: 54.565 ug/l
 RT: 10.96 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VD065168.D
 Acq: 12 Feb 2020 17:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.2	25.8	38.6

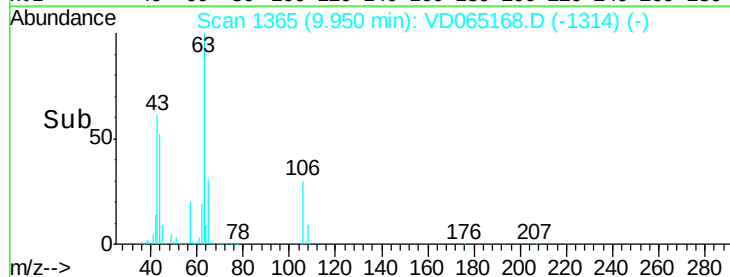
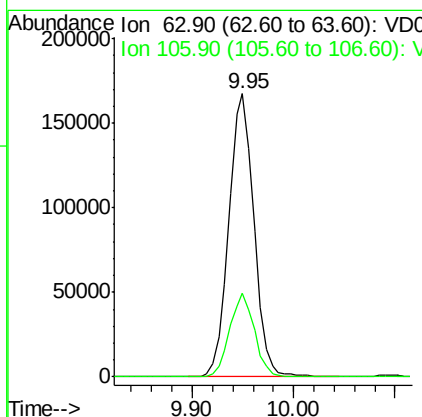
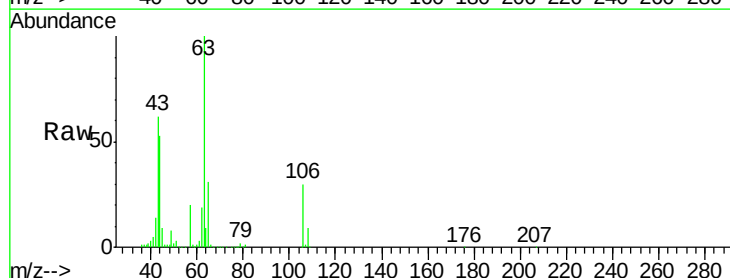
Manual Integrations
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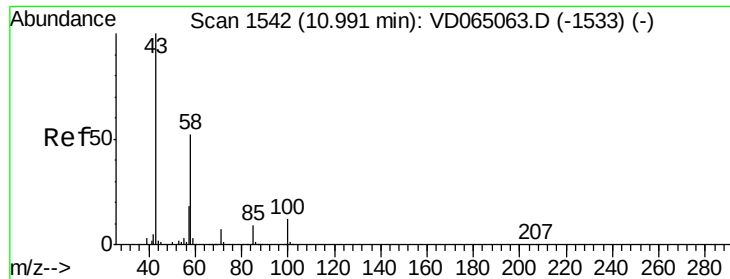
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#58
 2-Chloroethyl Vinyl ether
 Concen: 246.790 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065168.D
 Acq: 12 Feb 2020 17:42

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.2	23.3	34.9





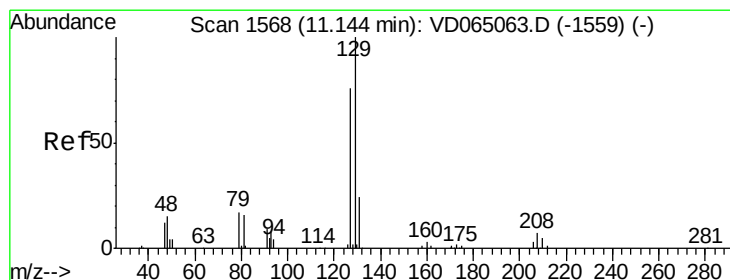
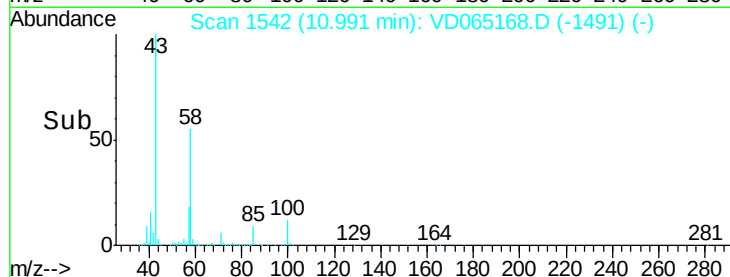
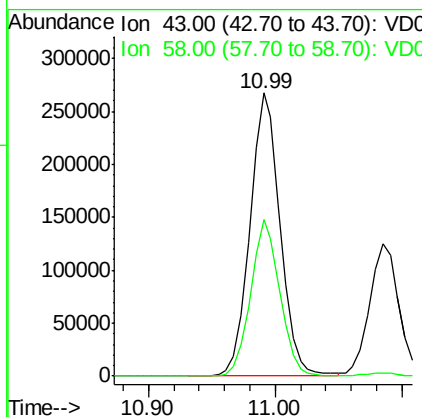
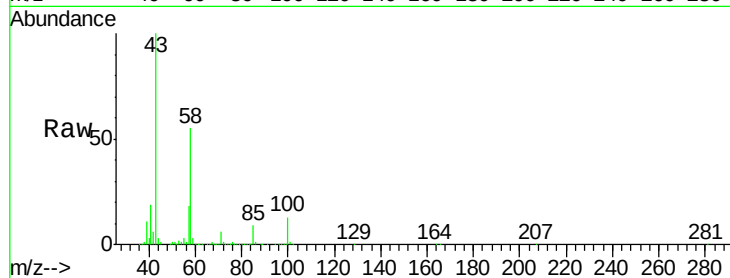
#59
2-Hexanone
Concen: 272.745 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065168.D
Acq: 12 Feb 2020 17:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.4	26.2	78.6

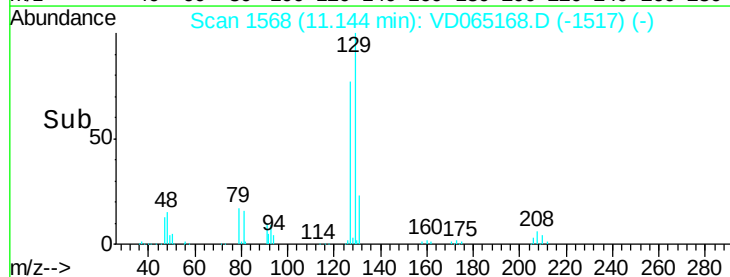
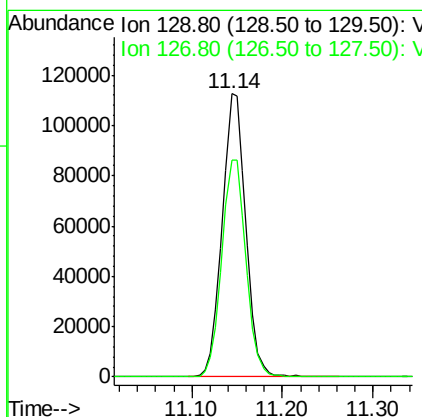
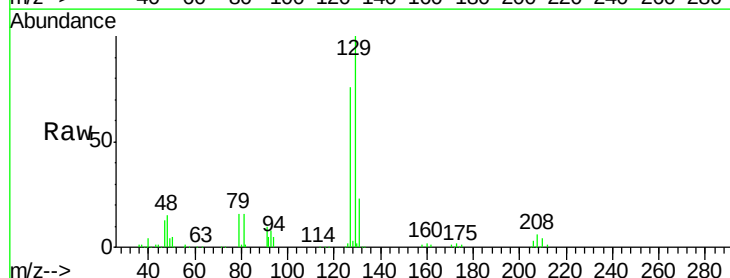
Manual Integrations
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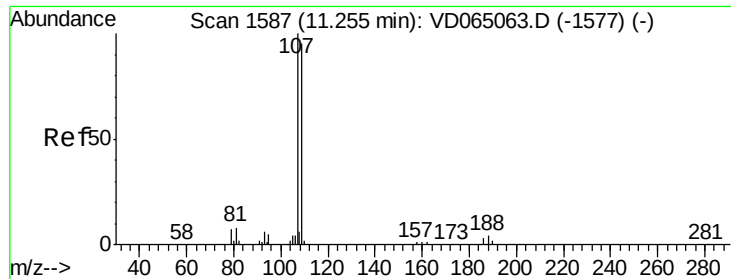
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#60
Dibromochloromethane
Concen: 55.111 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065168.D
Acq: 12 Feb 2020 17:42

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.6	38.3	114.9





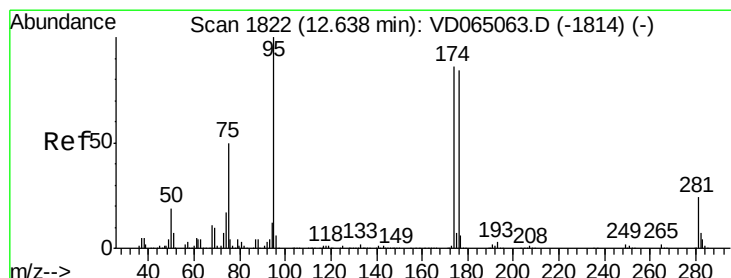
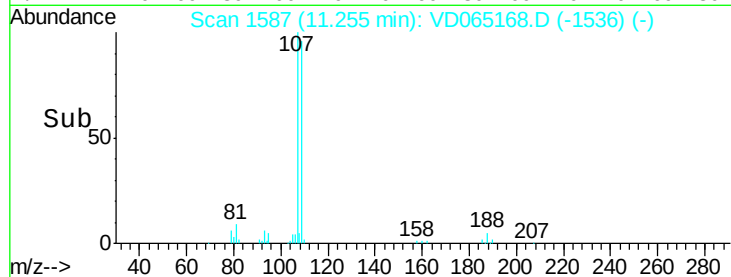
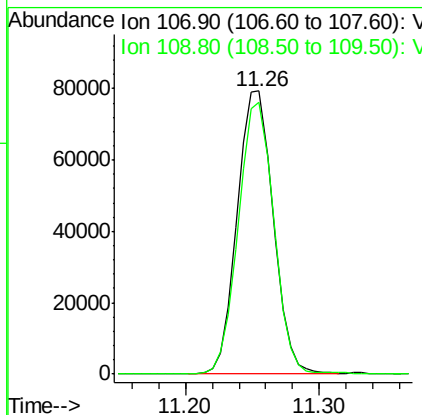
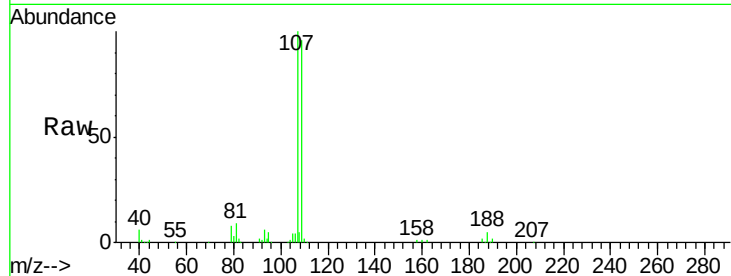
#61
 1,2-Dibromoethane
 Concen: 53.453 ug/l
 RT: 11.26 min Scan# 1587
 Delta R.T. -0.00 min
 Lab File: VD065168.D
 Acq: 12 Feb 2020 17:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.5	113.3

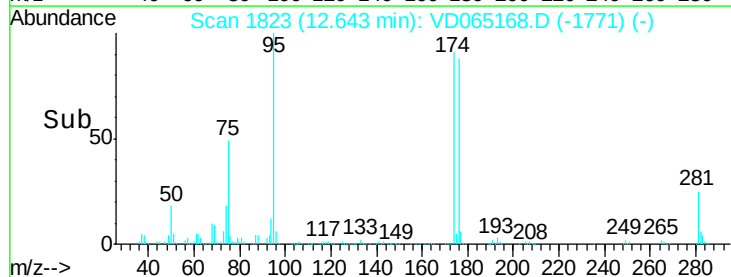
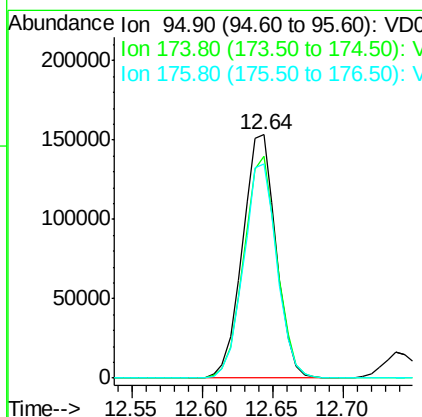
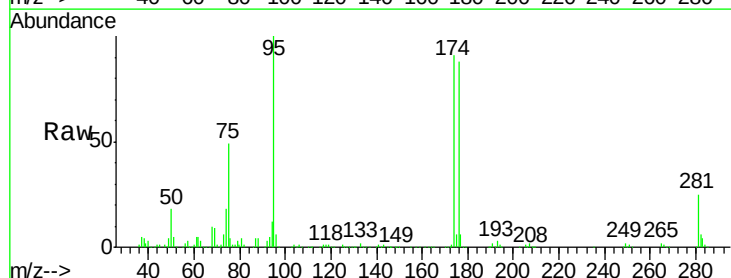
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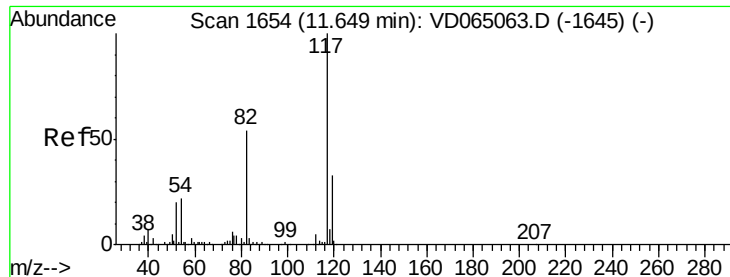
MMDadoda
 2/13/2020 10:59:03 AM



#62
 4-Bromofluorobenzene
 Concen: 56.630 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. 0.01 min
 Lab File: VD065168.D
 Acq: 12 Feb 2020 17:42

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.9	0.0	180.0
176	87.5	0.0	173.2





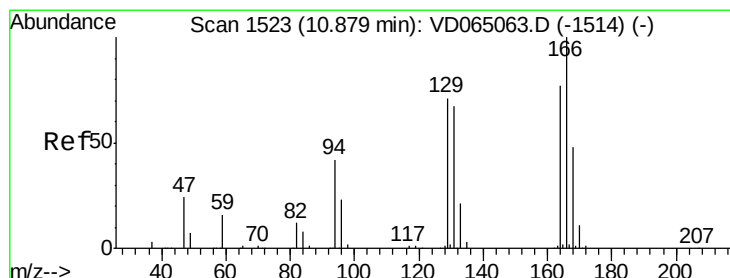
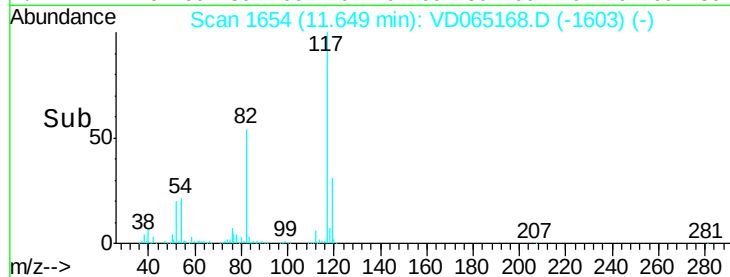
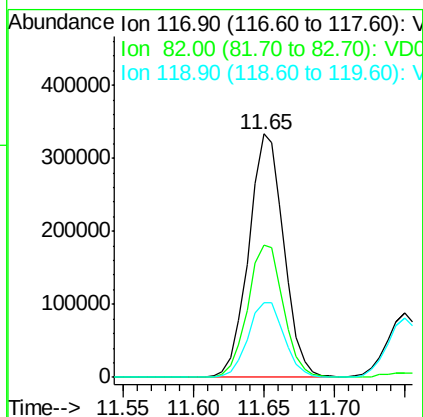
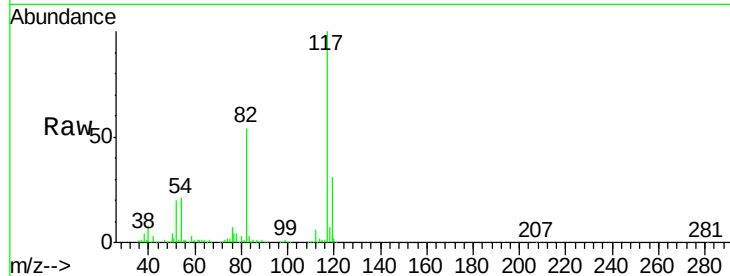
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065168.D
Acq: 12 Feb 2020 17:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	43.1	64.7
119	30.5	26.0	39.0

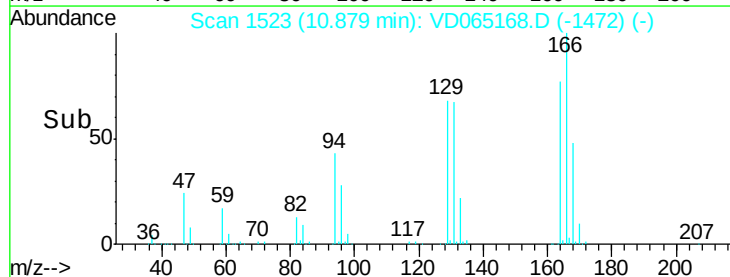
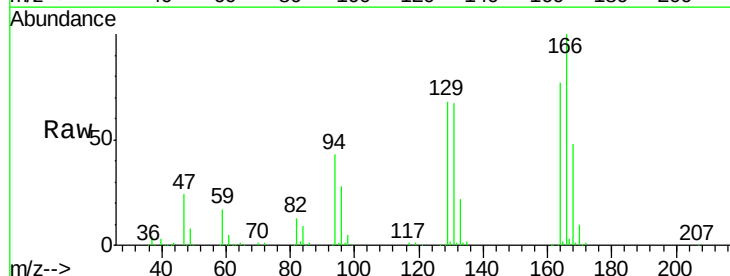
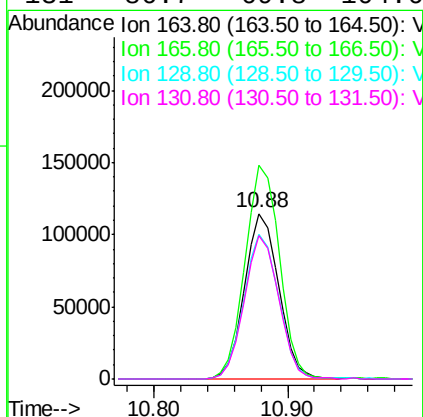
Manual Integrations
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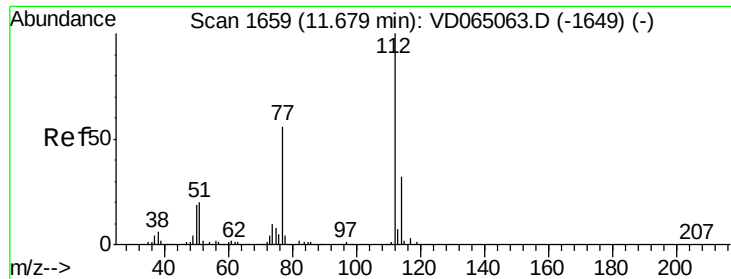
MMDadoda
2/13/2020 10:59:03 AM



#64
Tetrachloroethene
Concen: 48.623 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065168.D
Acq: 12 Feb 2020 17:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.3	103.5	155.3
129	87.6	73.3	109.9
131	86.7	69.8	104.6





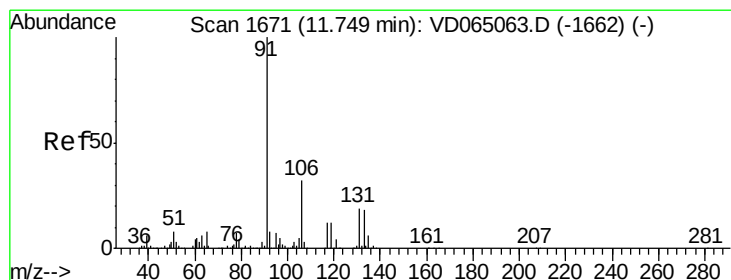
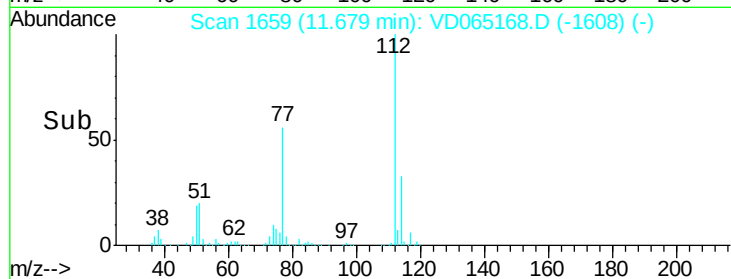
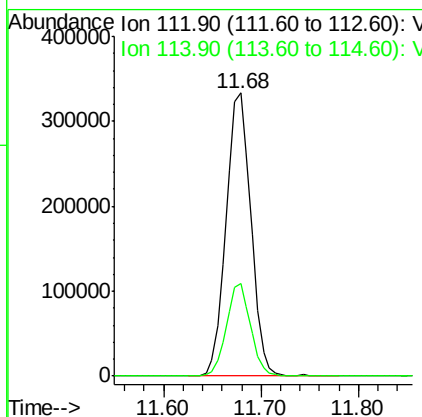
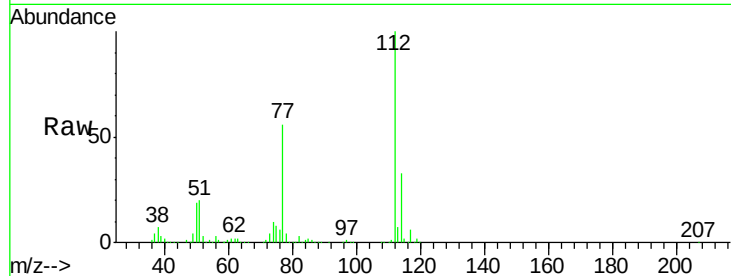
#65
Chlorobenzene
Concen: 52.508 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD065168.D
Acq: 12 Feb 2020 17:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
112	100	589677		
114	32.9	25.4	38.0	

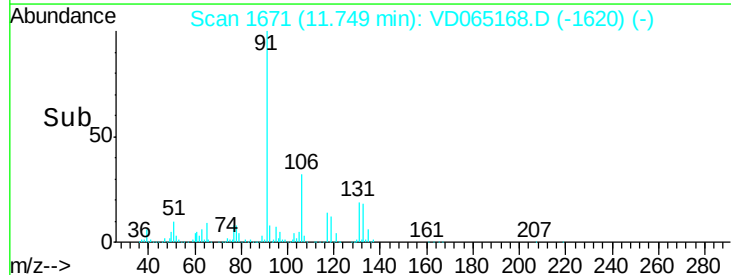
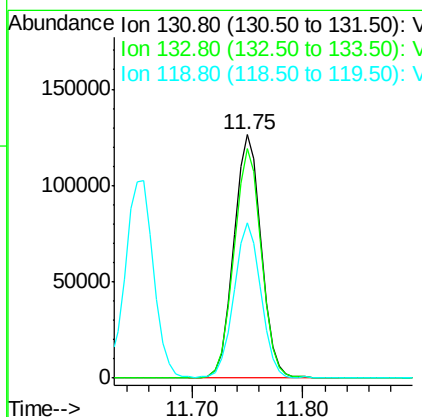
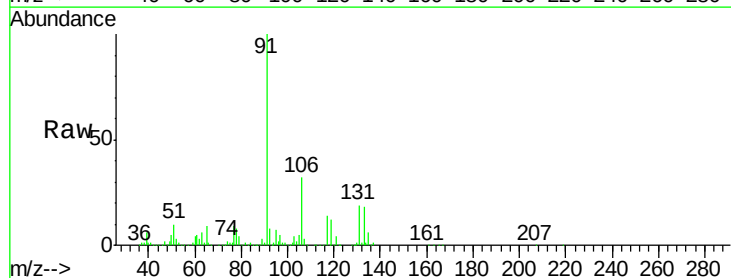
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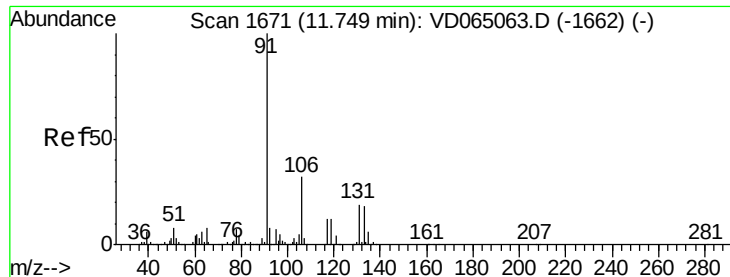
MMDadoda
2/13/2020 10:59:03 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.142 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065168.D
Acq: 12 Feb 2020 17:42

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	220265		
133	94.3	47.7	143.1	
119	62.4	31.3	93.8	





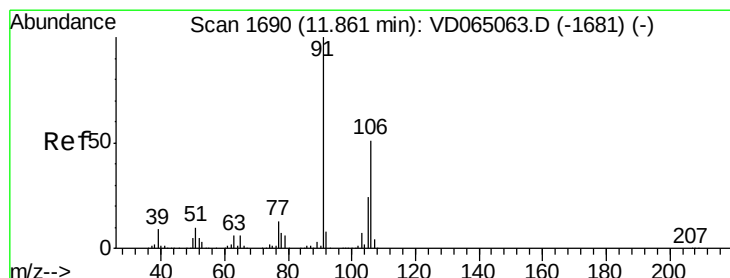
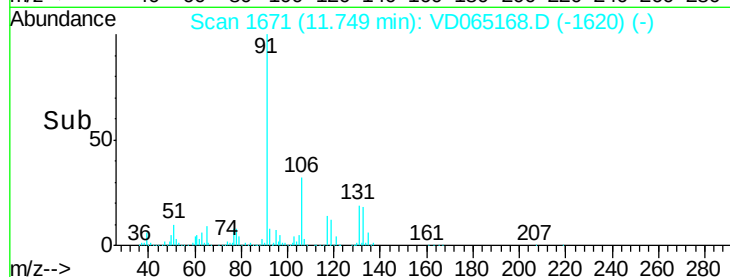
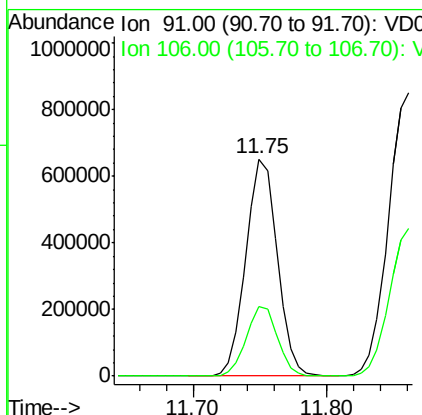
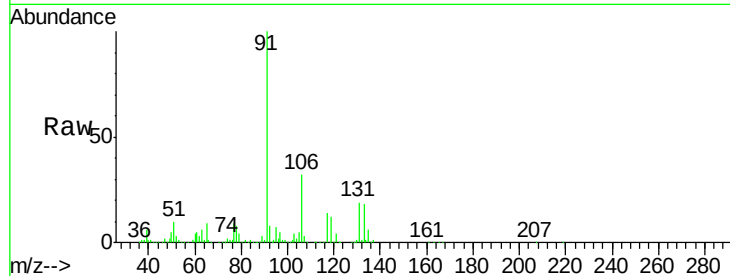
#67
Ethyl Benzene
Concen: 52.182 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065168.D
Acq: 12 Feb 2020 17:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1064687
Ion Ratio Lower Upper
91 100
106 31.8 25.4 38.2

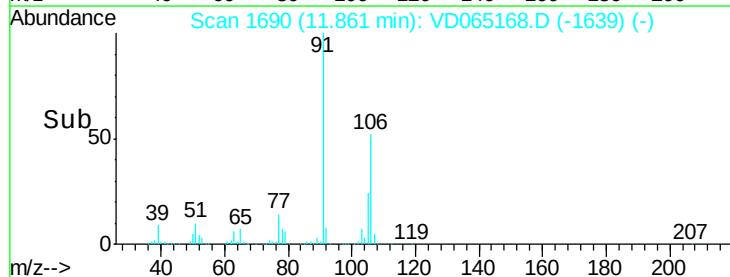
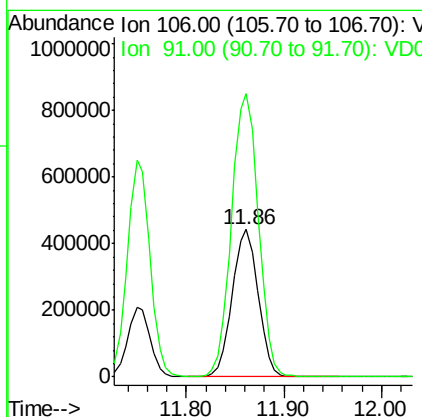
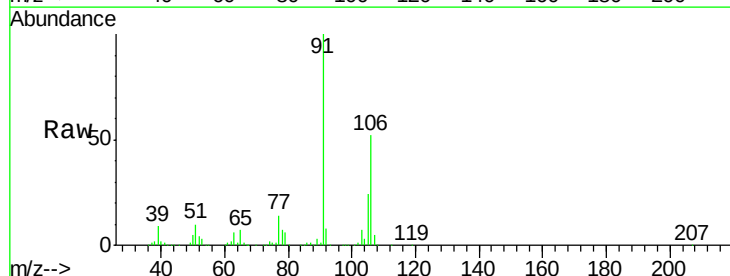
Manual Integrations
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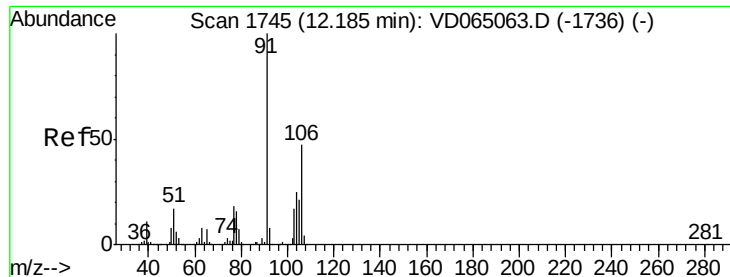
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#68
m/p-Xylenes
Concen: 105.337 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD065168.D
Acq: 12 Feb 2020 17:42

Tgt Ion: 106 Resp: 820302
Ion Ratio Lower Upper
106 100
91 198.6 158.9 238.3





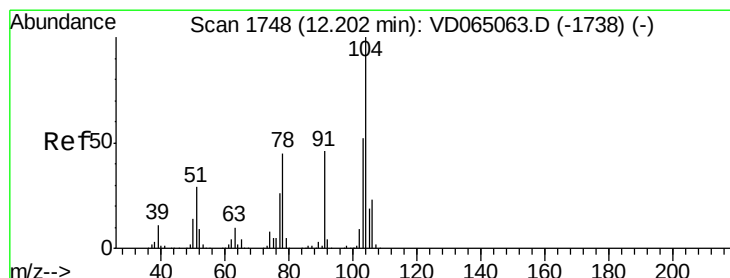
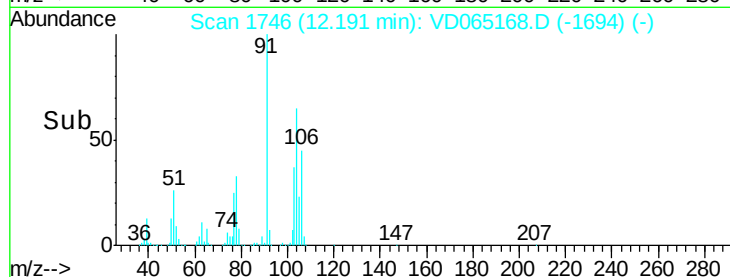
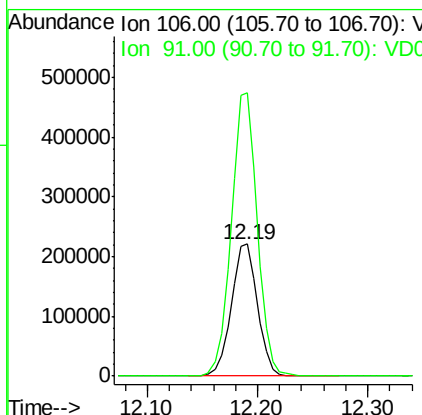
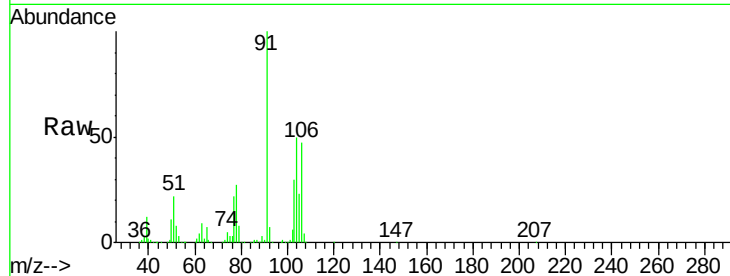
#69
o-Xylene
Concen: 52.332 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065168.D
Acq: 12 Feb 2020 17:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	212.6	104.7	313.9	

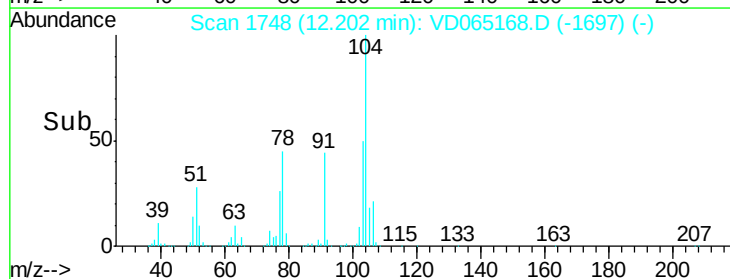
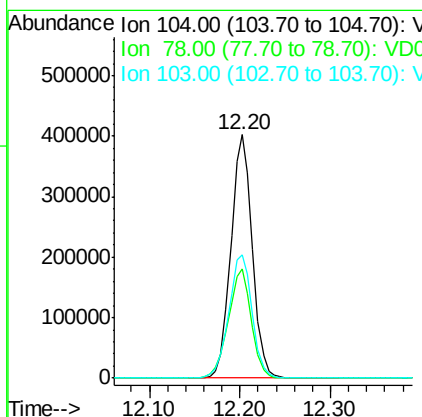
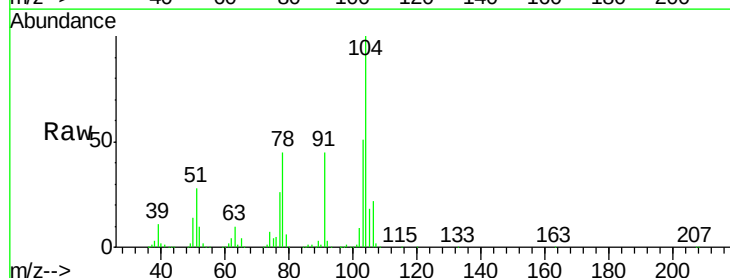
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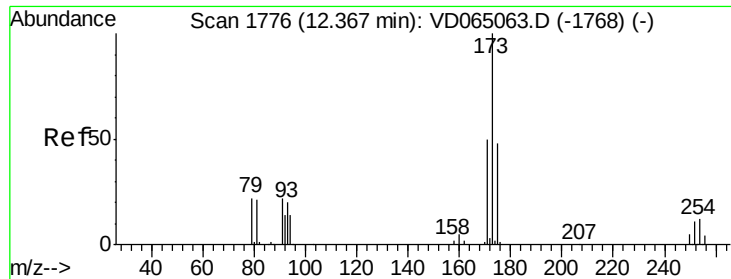
MMDadoda
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#70
Styrene
Concen: 54.178 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065168.D
Acq: 12 Feb 2020 17:42

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.0	38.5	57.7	
103	55.3	43.8	65.8	





#71

Bromoform

Concen: 52.682 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

Instrument :

MSVOA_D

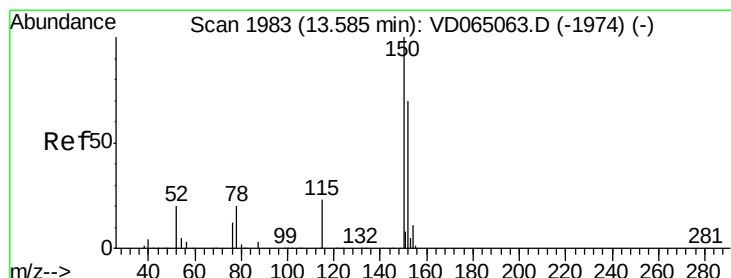
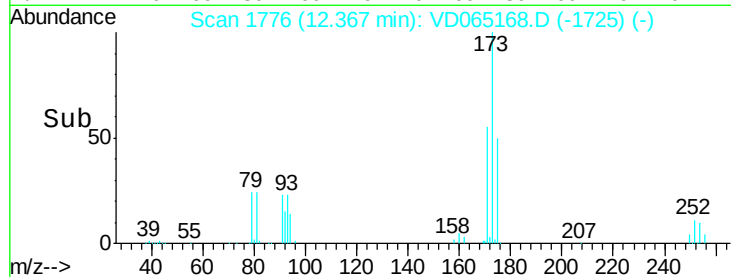
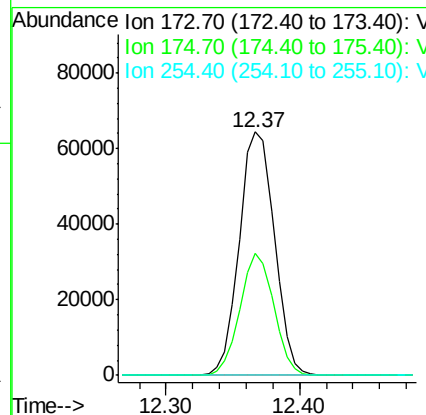
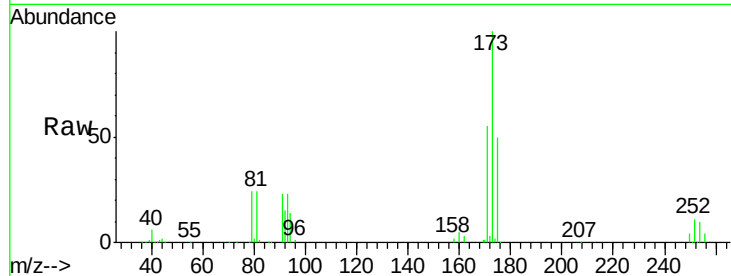
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.3	72.8
254	0.0	0.1	0.1#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

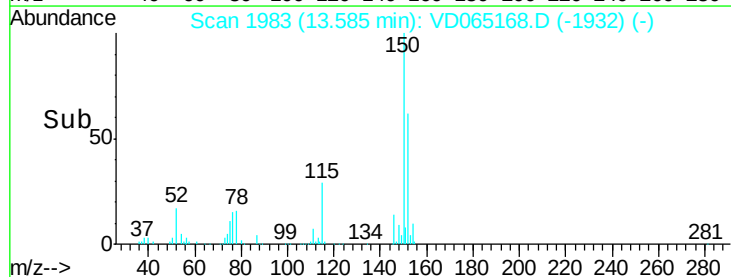
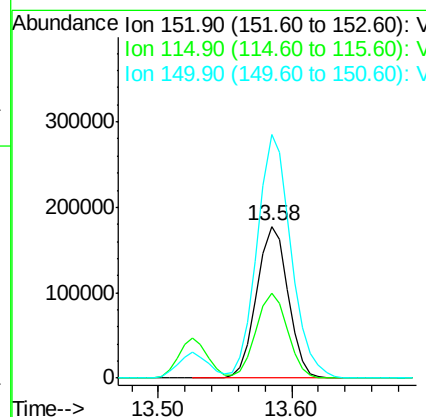
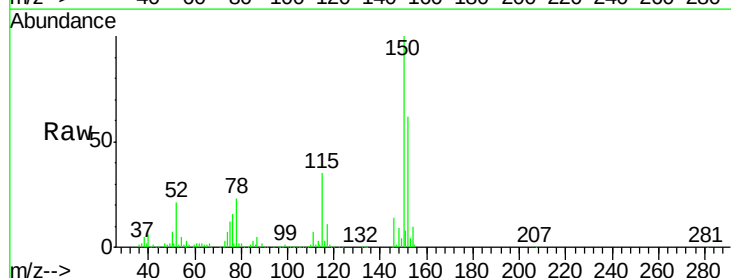
RT: 13.58 min Scan# 1983

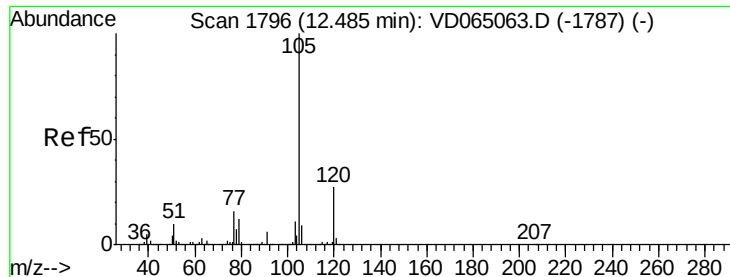
Delta R.T. -0.00 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	27.5	82.4
150	173.5	0.0	343.2





#73

Isopropylbenzene

Concen: 50.517 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 999741

Ion Ratio Lower Upper

105 100

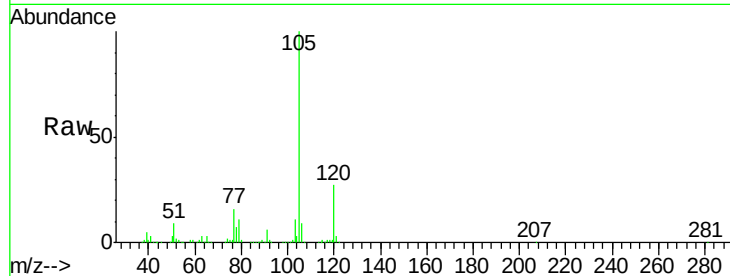
120 26.8 13.3 39.9

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

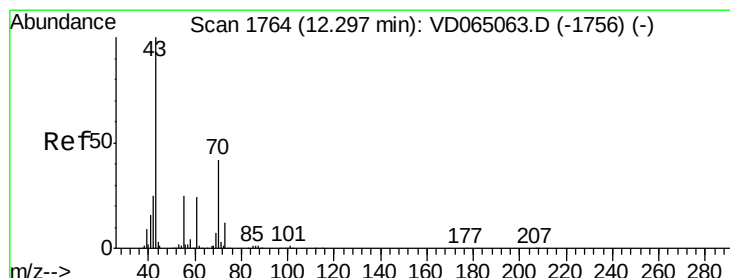
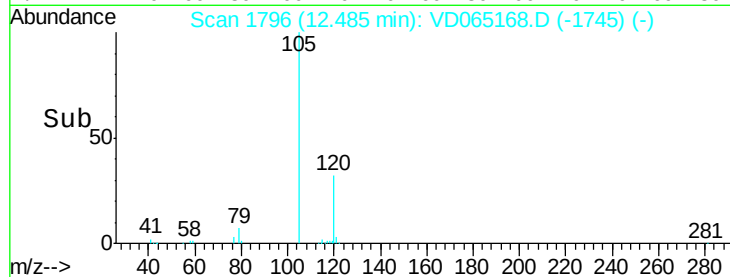
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 50.306 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

Tgt Ion: 43 Resp: 216391

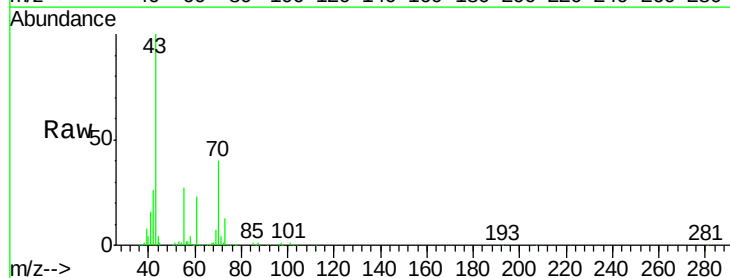
Ion Ratio Lower Upper

43 100

70 42.8 33.5 50.3

55 26.5 19.4 29.2

61 23.6 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.30

200000

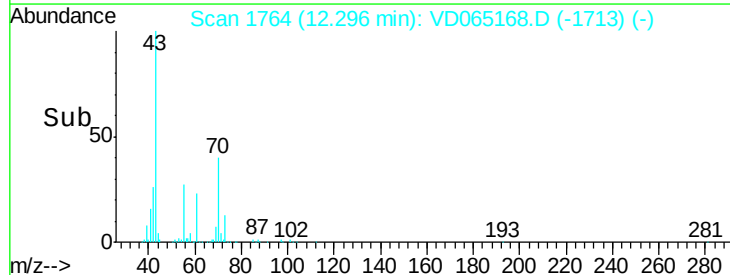
150000

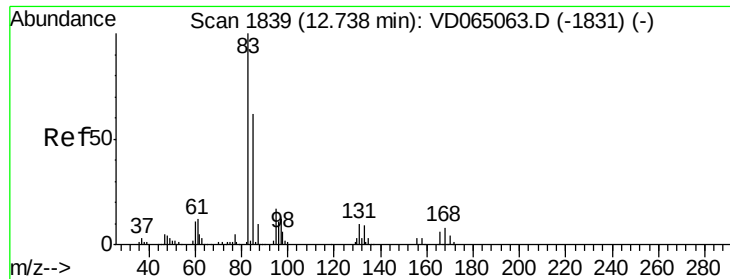
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 52.424 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

Instrument :

MSVOA_D

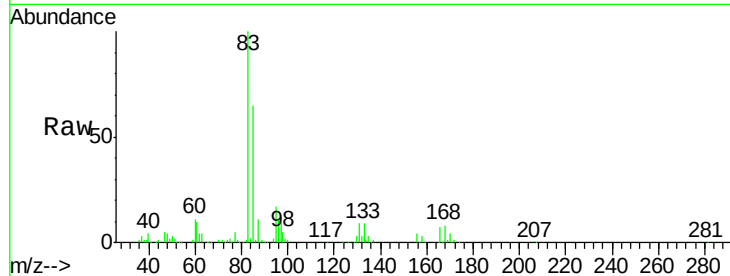
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	163281
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.5	16.4
85	64.4	31.8	95.4

Manual Integrations
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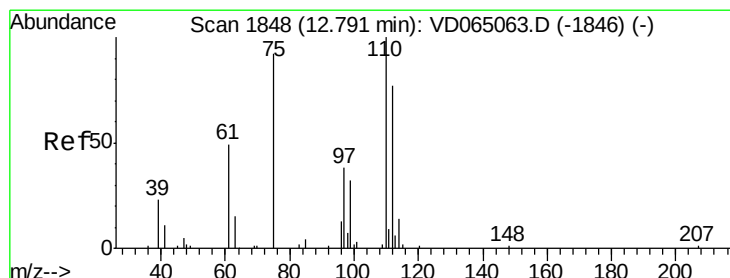
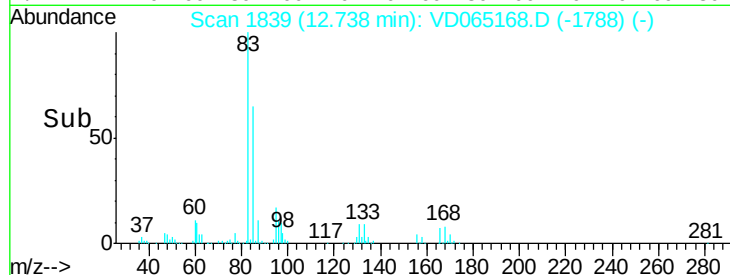
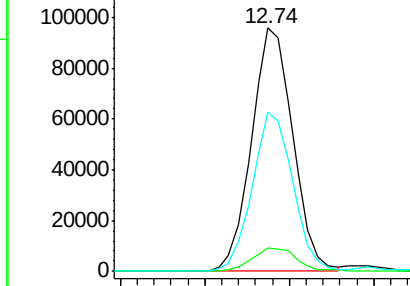
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 52.666 ug/l m

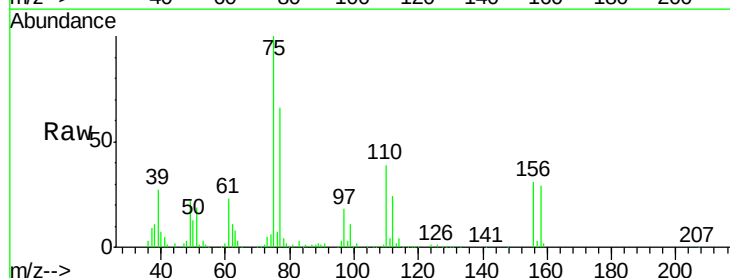
RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065168.D

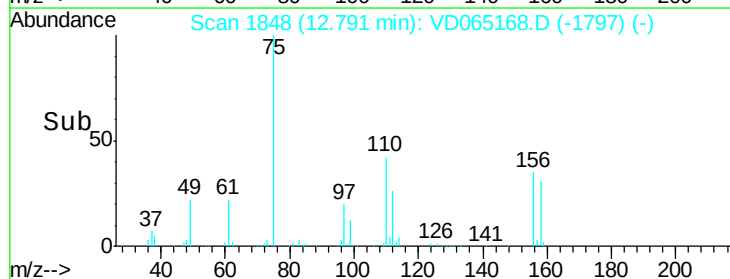
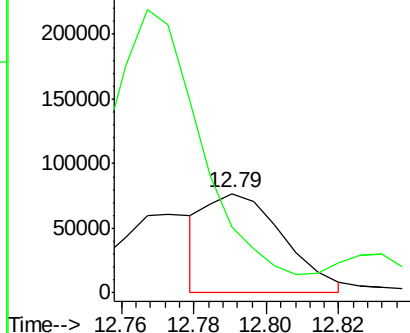
Acq: 12 Feb 2020 17:42

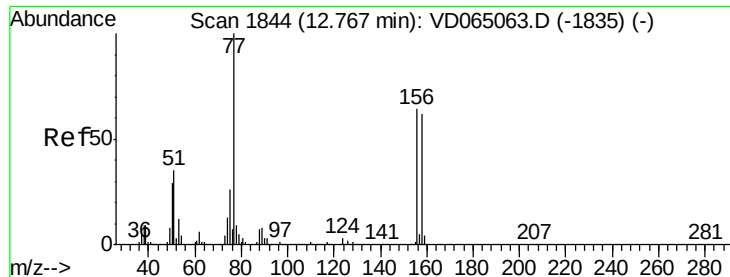
Tgt Ion:	75	Resp:	114968
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 49.320 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

Instrument :

MSVOA_D

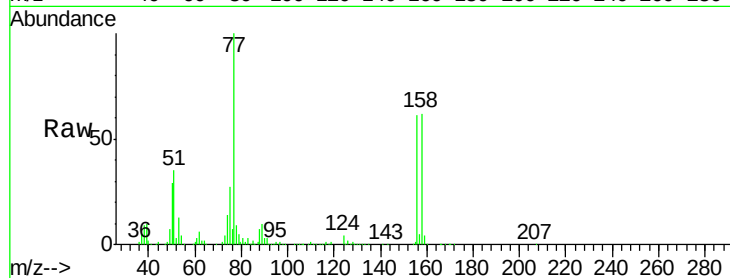
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	235163
Ion Ratio	Lower	Upper	
156	100		
77	173.1	85.6	256.8
158	98.0	47.4	142.2

Manual Integrations
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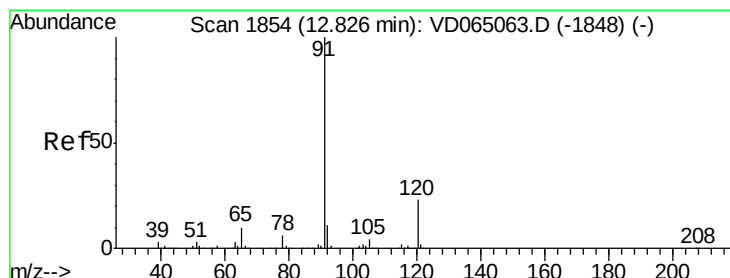
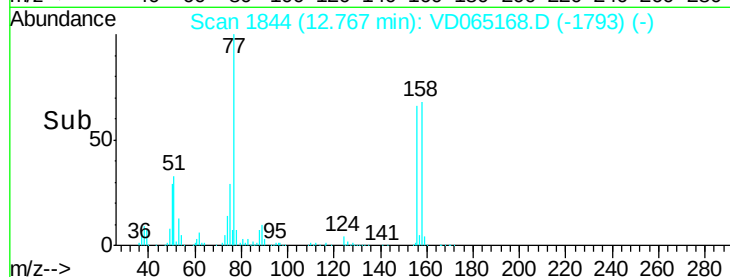
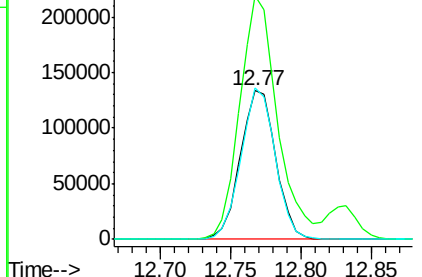
MMDadoda
2/13/2020 10:59:03 AM



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: 51.636 ug/l

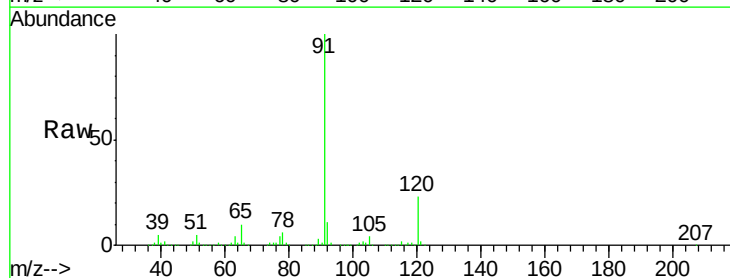
RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065168.D

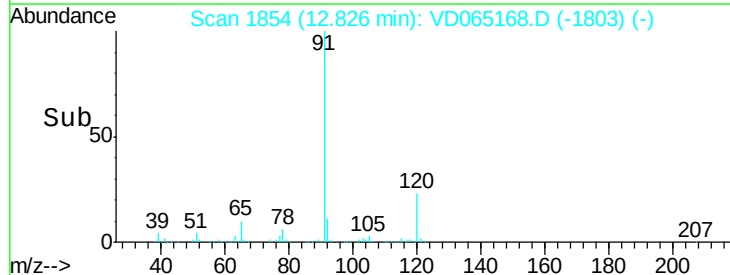
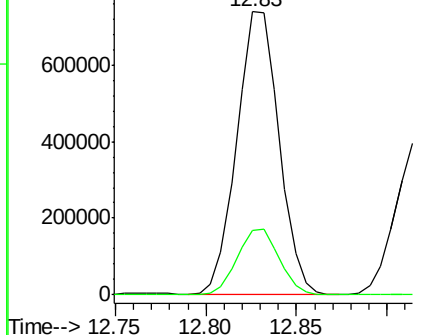
Acq: 12 Feb 2020 17:42

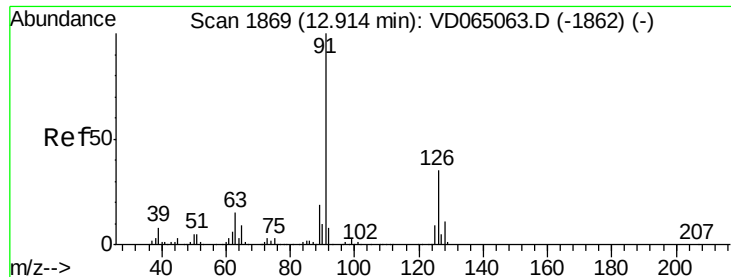
Tgt Ion:	91	Resp:	1196706
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.8	35.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





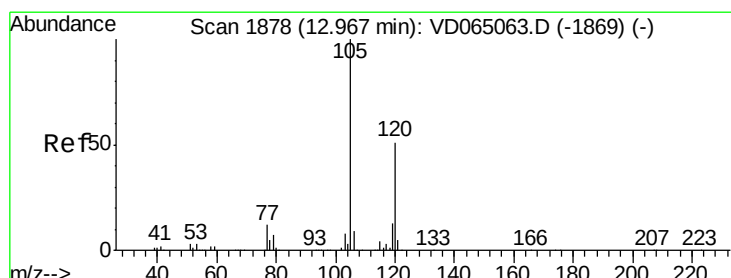
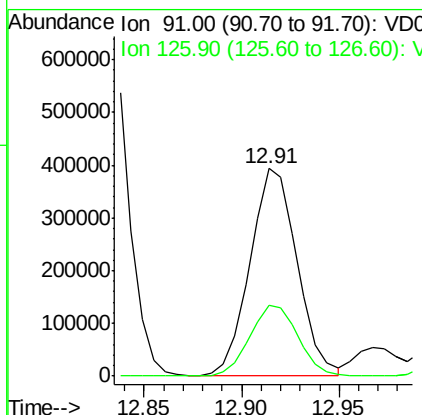
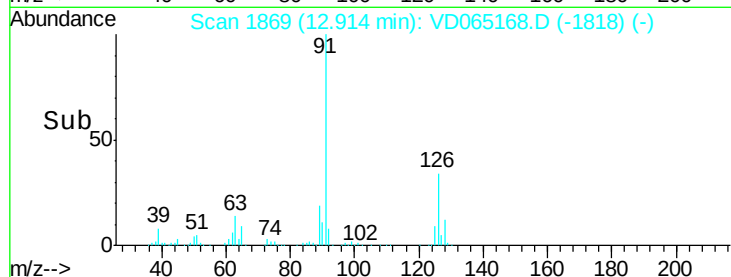
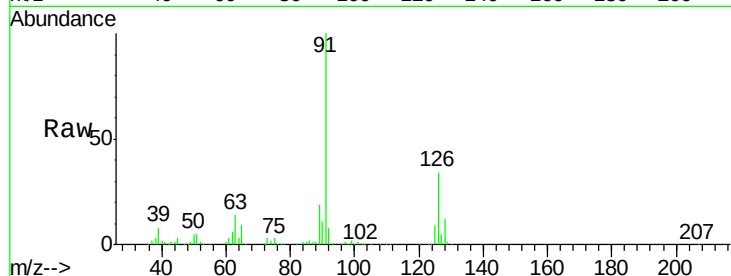
#79
 2-Chlorotoluene
 Concen: 50.826 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD065168.D
 Acq: 12 Feb 2020 17:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.4	52.3

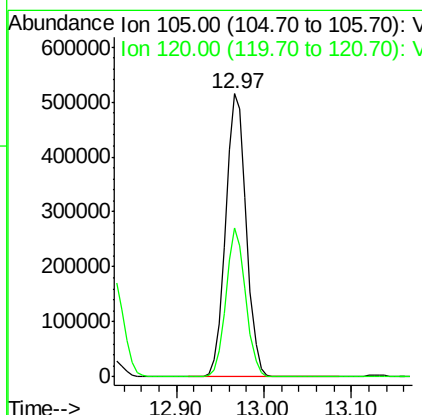
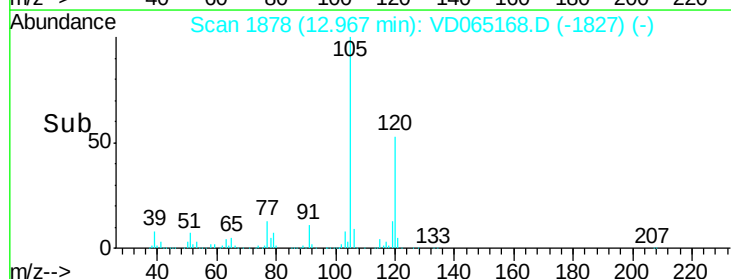
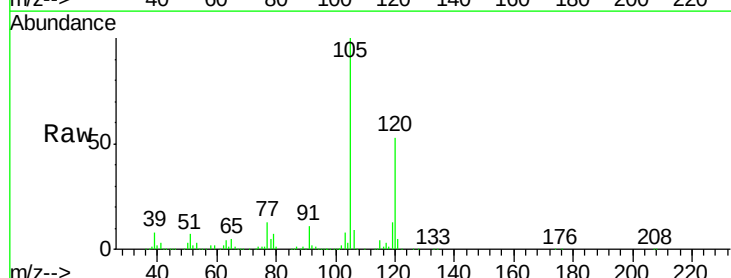
Manual Integrations
 APPROVED

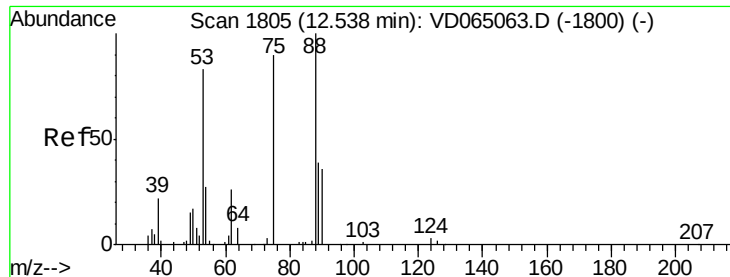
MMDadoda
 2/13/2020 10:59:03 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 51.205 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD065168.D
 Acq: 12 Feb 2020 17:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.3	25.1	75.4





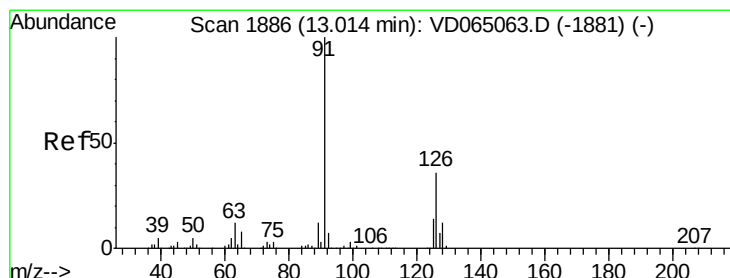
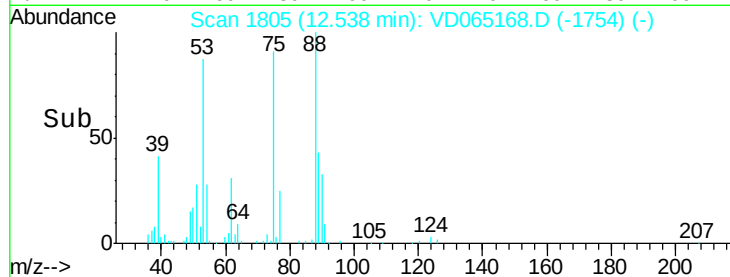
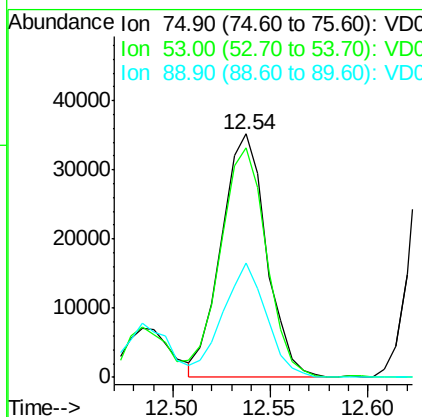
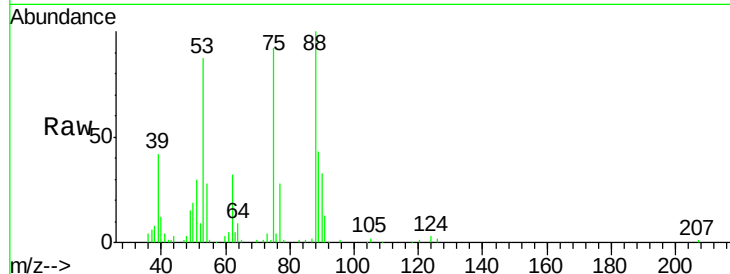
#81
trans-1,4-Dichloro-2-butene
Concen: 51.686 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. -0.00 min
Lab File: VD065168.D
Acq: 12 Feb 2020 17:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.0	78.5	117.7
89	45.5	37.0	55.4

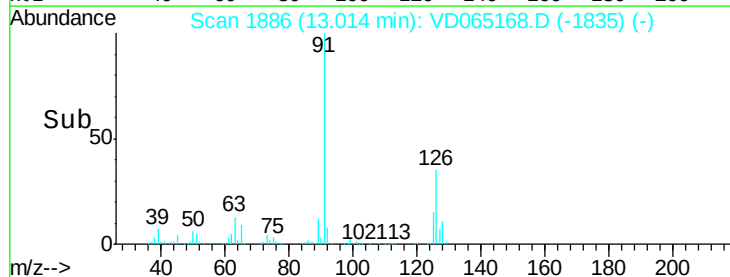
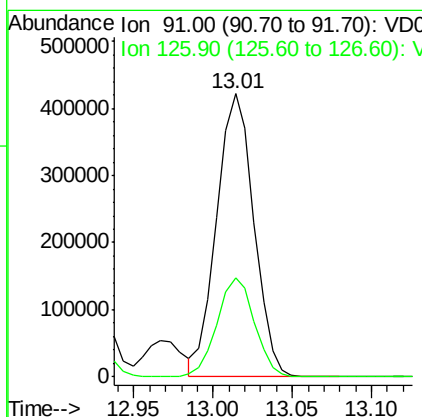
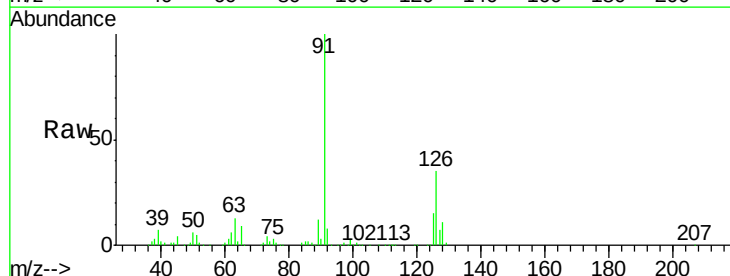
Manual Integrations
APPROVED

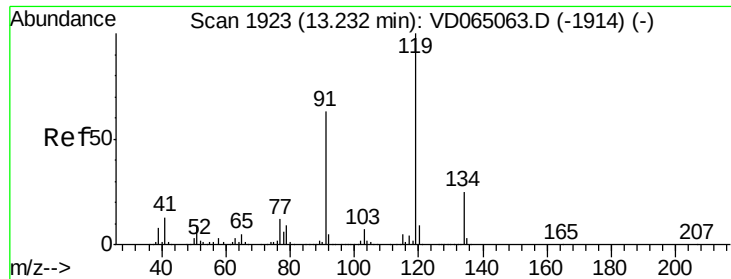
MMDadoda
2/13/2020 10:59:03 AM



#82
4-Chlorotoluene
Concen: 50.657 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD065168.D
Acq: 12 Feb 2020 17:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.5	52.5





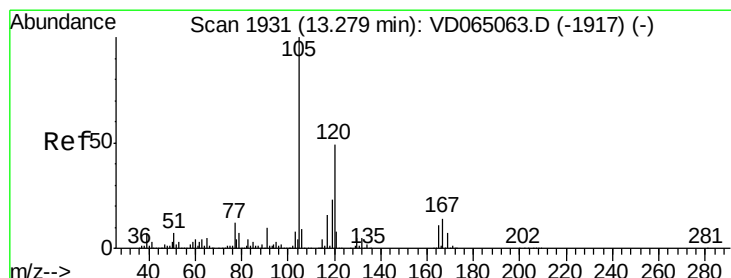
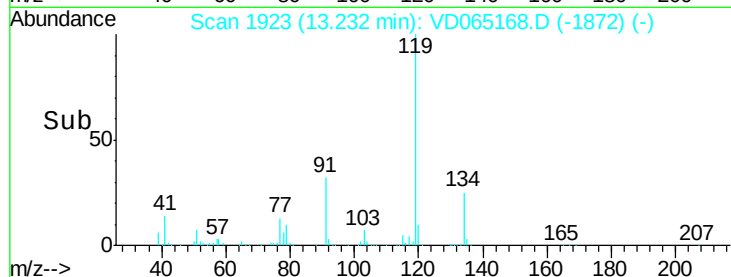
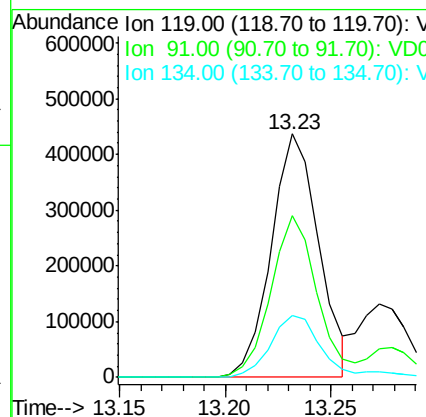
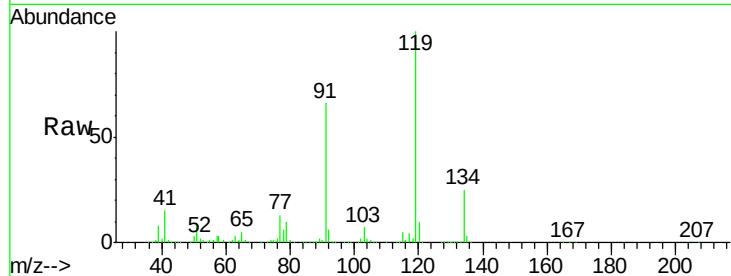
#83
 tert-Butylbenzene
 Concen: 48.930 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD065168.D
 Acq: 12 Feb 2020 17:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.8	32.3	96.9
134	28.0	13.8	41.3

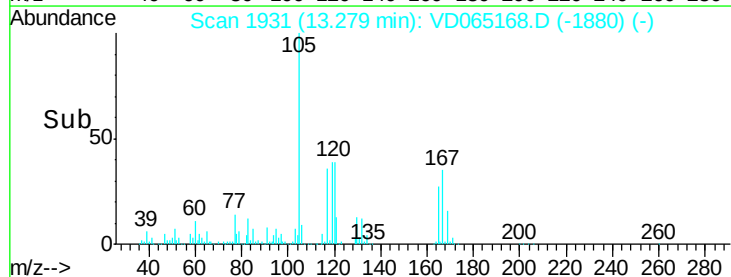
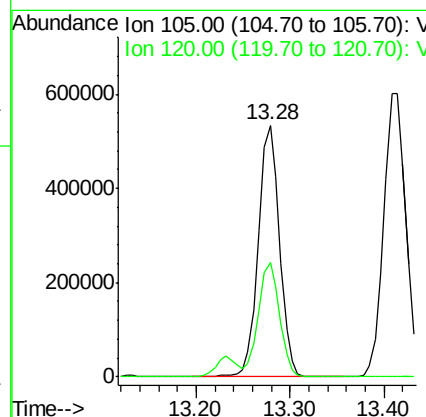
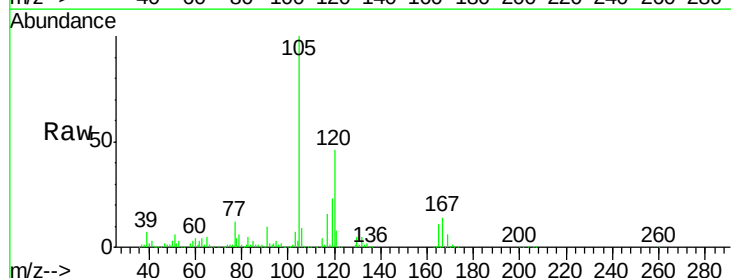
Manual Integrations
 APPROVED

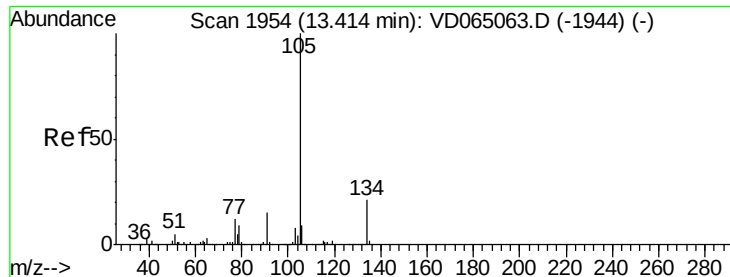
MMDadoda
 2/13/2020 10:59:03 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 52.104 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VD065168.D
 Acq: 12 Feb 2020 17:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	23.5	70.5





#85

sec-Butylbenzene

Concen: 51.149 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 975801

Ion Ratio Lower Upper

105 100

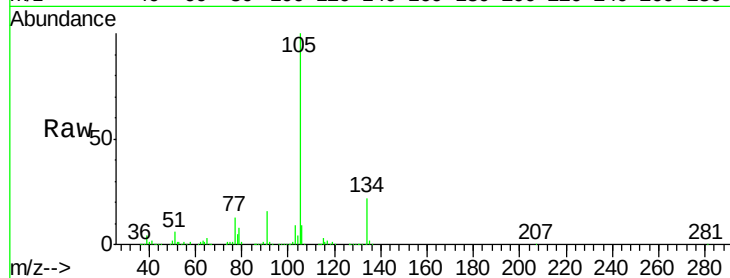
134 20.7 10.4 31.1

Manual Integrations

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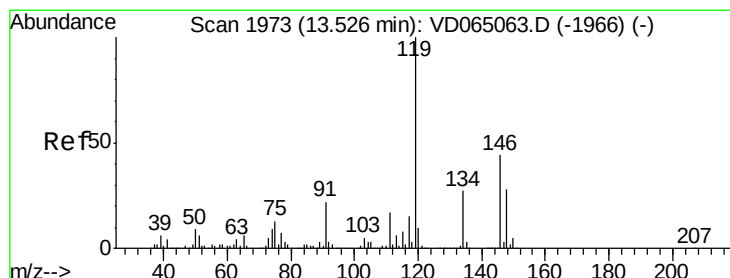
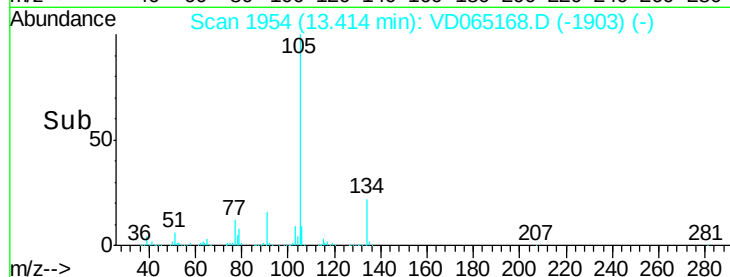
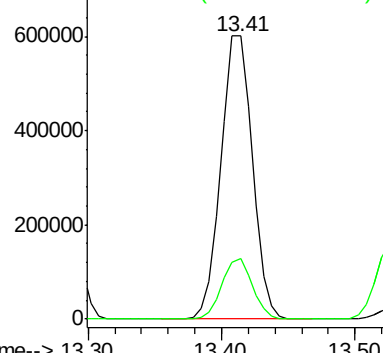
MMDadoda

2/13/2020 10:59:03 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.820 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065168.D

Acq: 12 Feb 2020 17:42

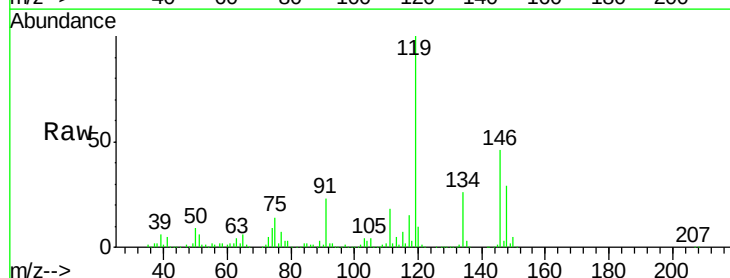
Tgt Ion:119 Resp: 918532

Ion Ratio Lower Upper

119 100

134 26.2 13.5 40.5

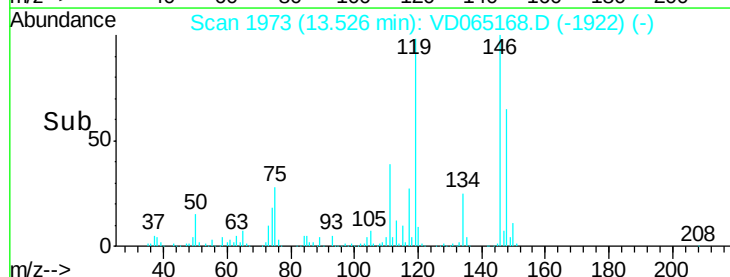
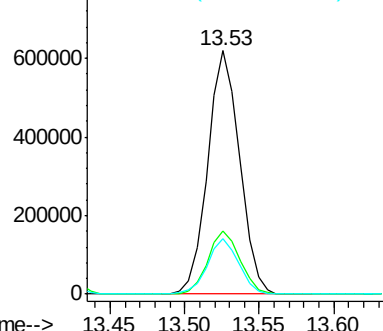
91 22.4 11.3 33.9

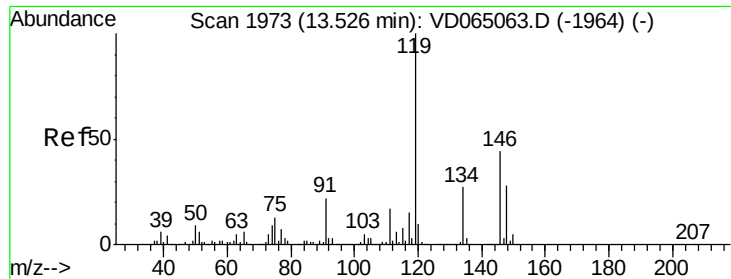


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





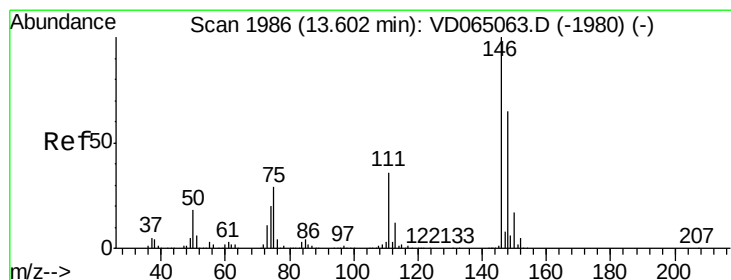
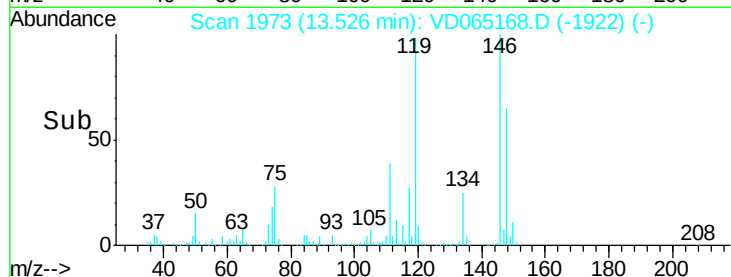
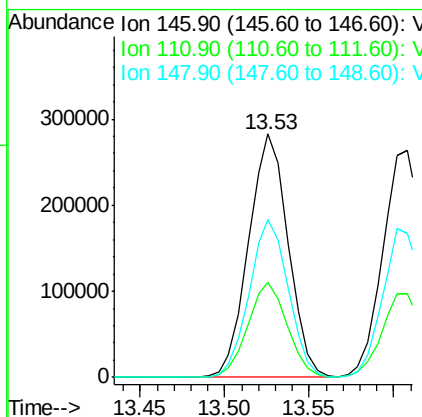
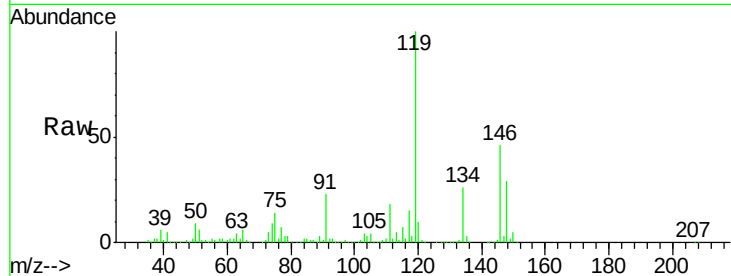
#87
 1,3-Dichlorobenzene
 Concen: 51.658 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065168.D
 Acq: 12 Feb 2020 17:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.4	58.4
148	63.9	32.3	96.8

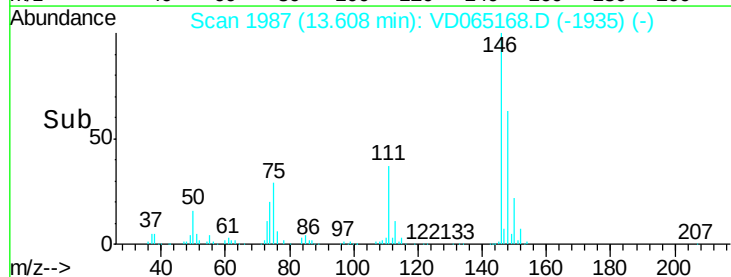
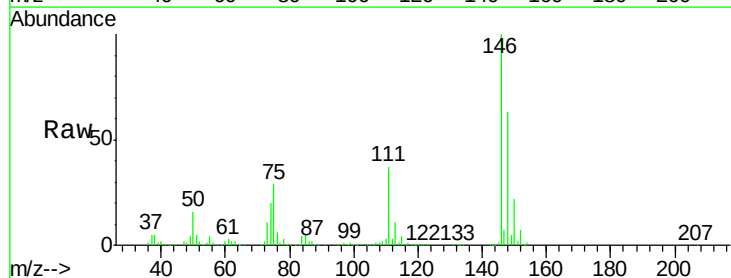
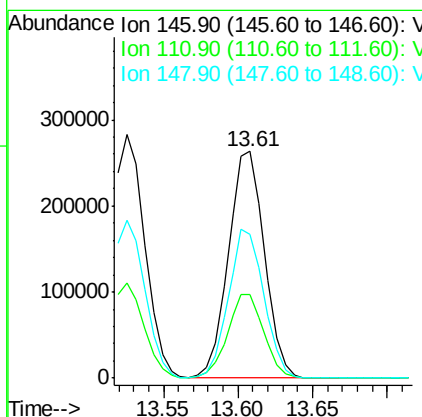
Manual Integrations
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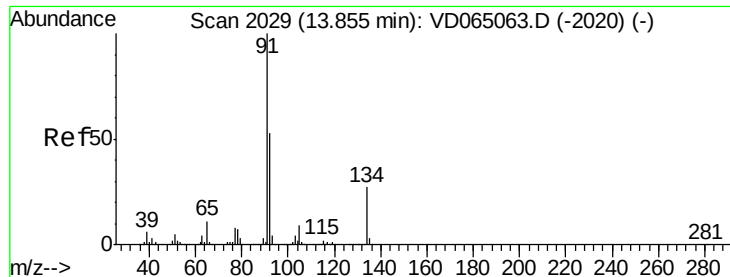
MMDadoda
 2/13/2020 10:59:03 AM



#88
 1,4-Dichlorobenzene
 Concen: 49.948 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.01 min
 Lab File: VD065168.D
 Acq: 12 Feb 2020 17:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.5	55.5
148	64.8	32.7	98.1





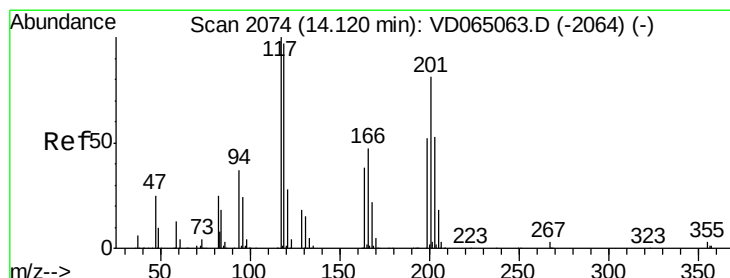
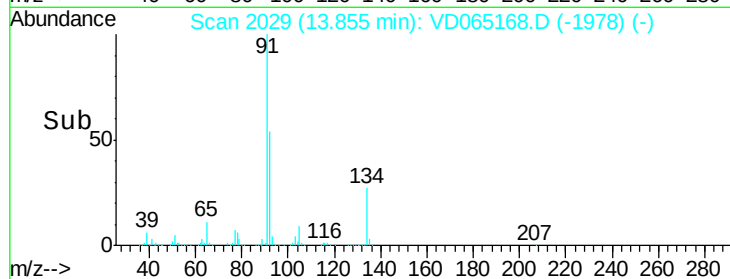
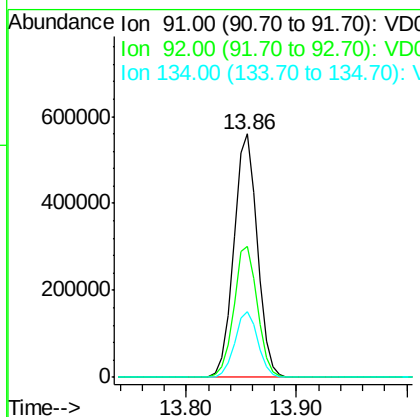
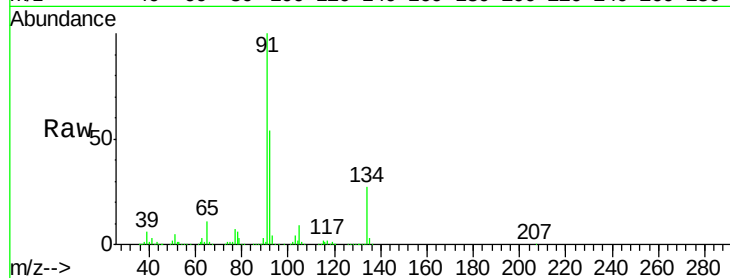
#89
n-Butylbenzene
Concen: 51.130 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065168.D
Acq: 12 Feb 2020 17:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.7	80.1
134	26.5	13.4	40.2

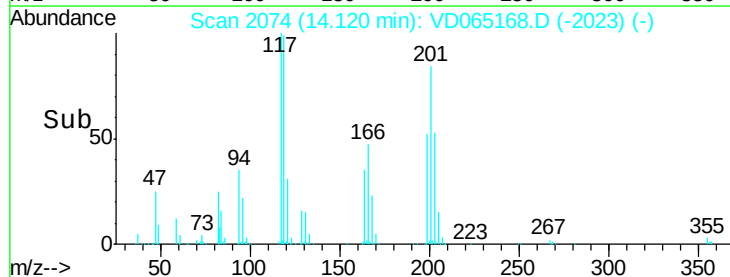
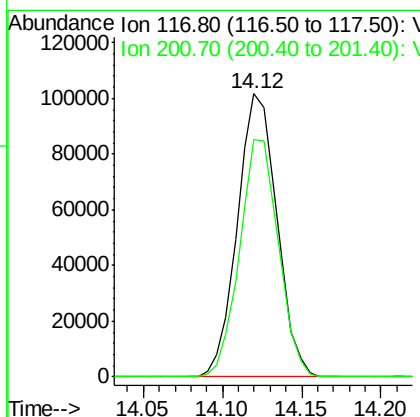
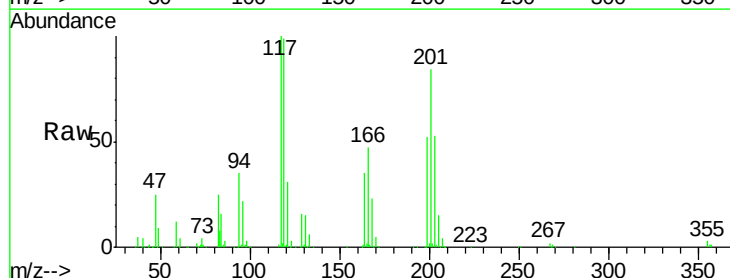
Manual Integrations
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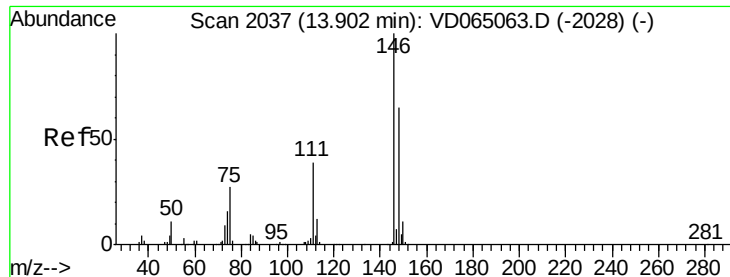
MMDadoda
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#90
Hexachloroethane
Concen: 52.440 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065168.D
Acq: 12 Feb 2020 17:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.5	42.5	127.6





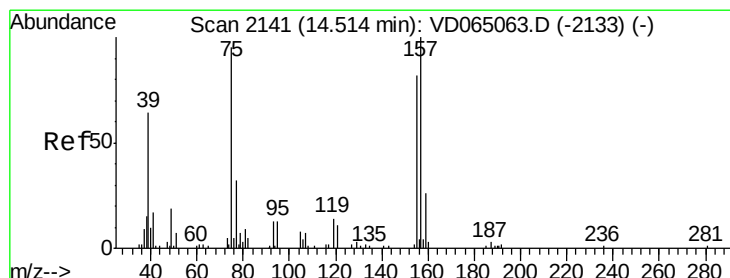
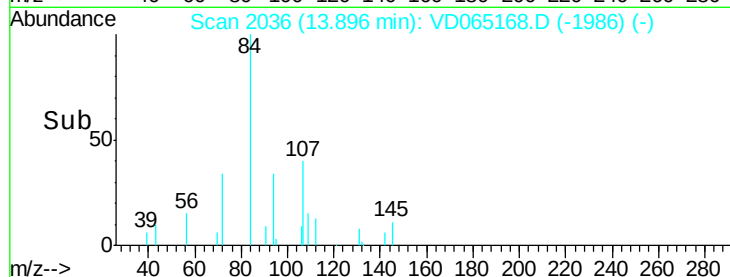
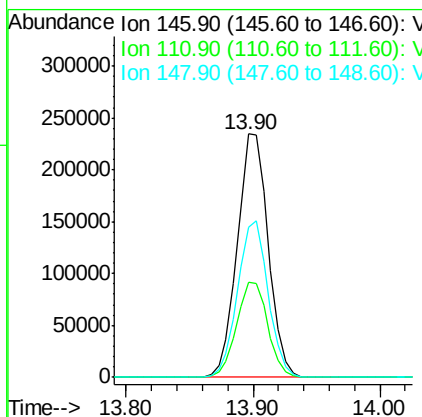
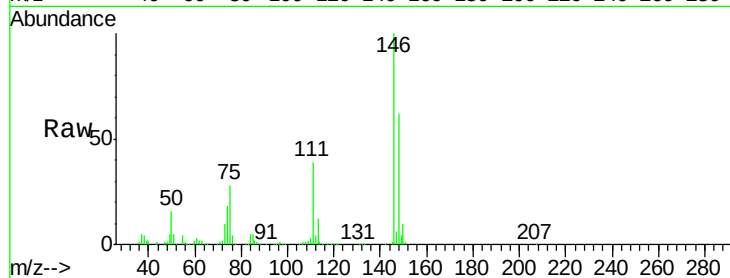
#91
 1,2-Dichlorobenzene
 Concen: 51.827 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065168.D
 Acq: 12 Feb 2020 17:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.7	59.1
148	63.2	31.9	95.5

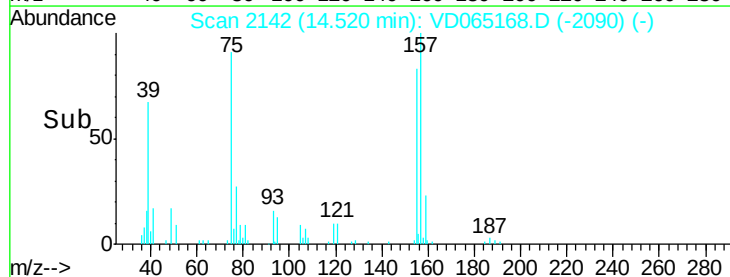
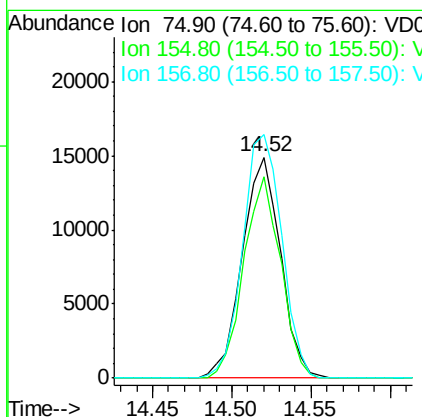
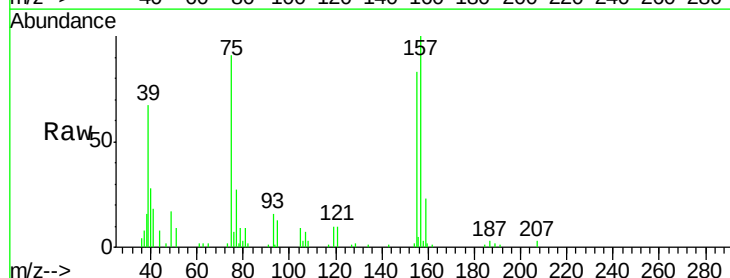
Manual Integrations
 APPROVED

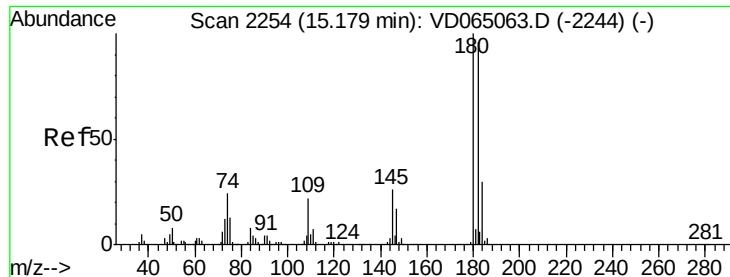
MMDadoda
 2/13/2020 10:59:03 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.197 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD065168.D
 Acq: 12 Feb 2020 17:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.4	43.4	130.1
157	112.6	55.8	167.3





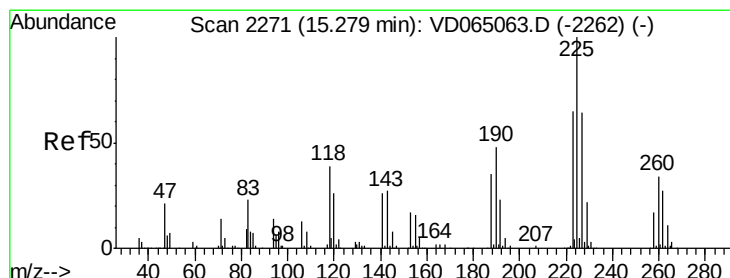
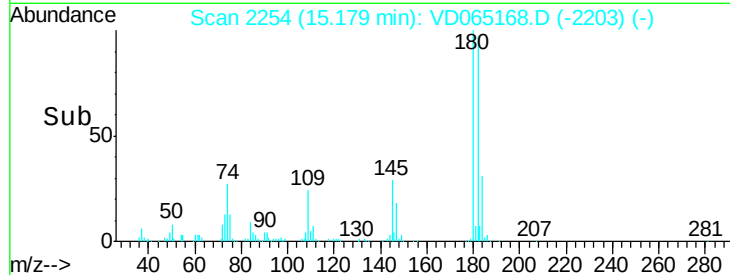
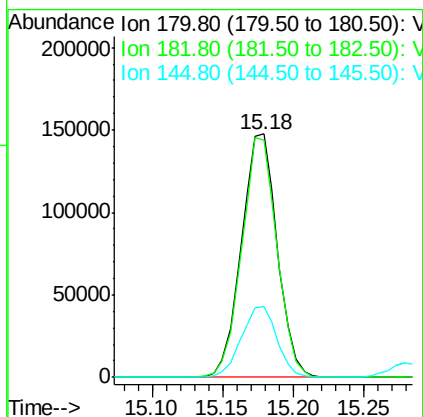
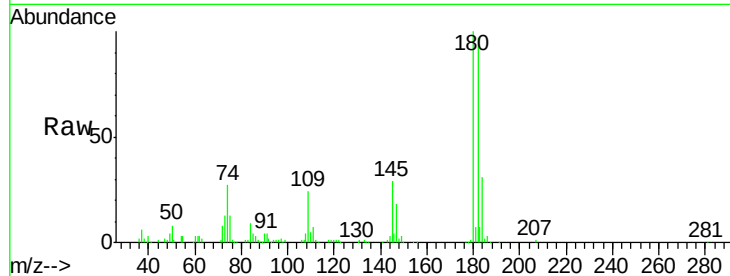
#93
 1,2,4-Trichlorobenzene
 Concen: 47.844 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VD065168.D
 Acq: 12 Feb 2020 17:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180	Resp:	261481
Ion Ratio	Lower	Upper
180 100		
182 96.9	47.4	142.3
145 29.1	14.1	42.4

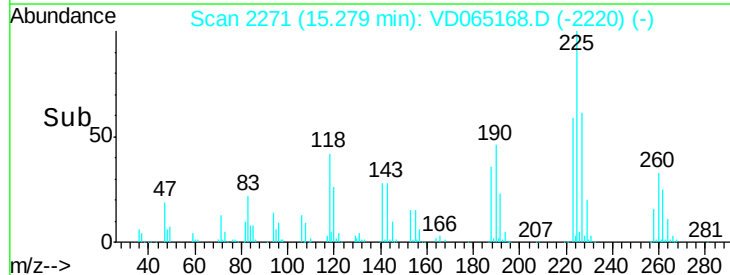
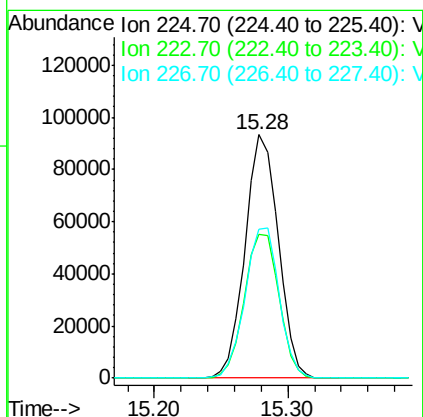
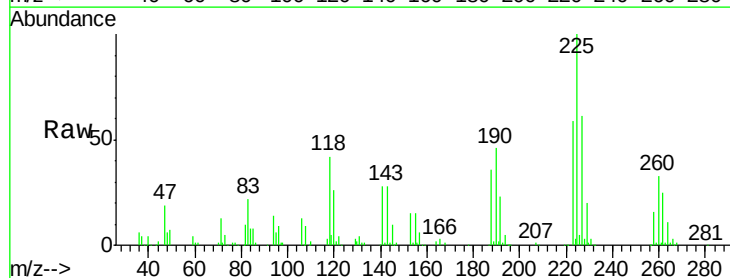
Manual Integrations
 APPROVED

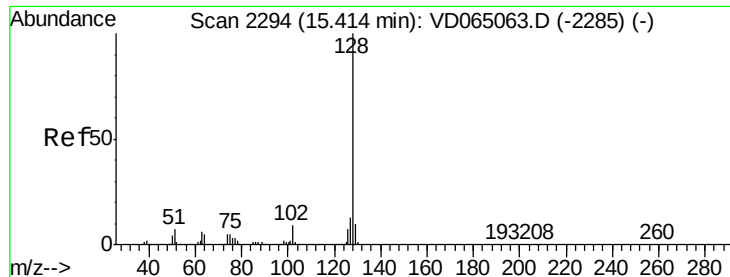
MMDadoda
 2/13/2020 10:59:03 AM



#94
 Hexachlorobutadiene
 Concen: 47.740 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065168.D
 Acq: 12 Feb 2020 17:42

Tgt Ion:225	Resp:	160429
Ion Ratio	Lower	Upper
225 100		
223 61.9	31.4	94.0
227 63.1	31.8	95.3





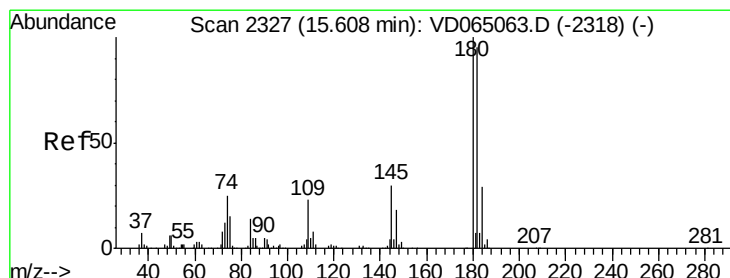
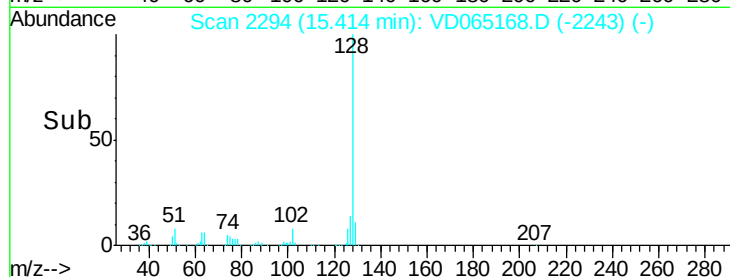
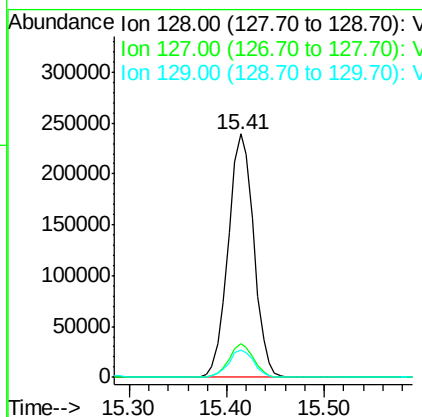
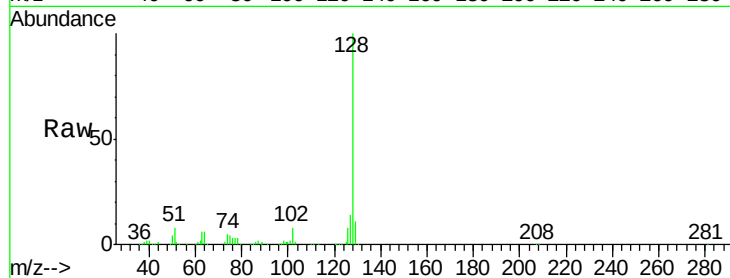
#95
Naphthalene
Concen: 47.691 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065168.D
Acq: 12 Feb 2020 17:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	15.8
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/13/2020 10:59:03 AM



#96
1,2,3-Trichlorobenzene
Concen: 48.155 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065168.D
Acq: 12 Feb 2020 17:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.1	141.4
145	30.6	14.9	44.9

