

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021120\
 Data File : VD065155.D
 Acq On : 11 Feb 2020 20:27
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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 2/12/2020 3:12:37 PM

Quant Time: Feb 12 07:40:17 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	469835	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	720756	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	657127	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	321861	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	230676	57.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.54%	
35) Dibromofluoromethane	7.92	113	226909	56.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.86%	
50) Toluene-d8	10.34	98	850857	53.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.32%	
62) 4-Bromofluorobenzene	12.64	95	279317	55.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	193402	49.466	ug/l	99
3) Chloromethane	2.21	50	259566	56.397	ug/l	95
4) Vinyl Chloride	2.35	62	258874	53.185	ug/l	98
5) Bromomethane	2.77	94	156745	49.665	ug/l	98
6) Chloroethane	2.92	64	163960	54.304	ug/l	99
7) Trichlorofluoromethane	3.27	101	374803	52.912	ug/l	98
8) Diethyl Ether	3.70	74	118268	58.159	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	222757	51.441	ug/l	99
10) Methyl Iodide	4.29	142	261360	52.879	ug/l	98
11) Tert butyl alcohol	5.26	59	68531	280.889	ug/l	99
12) 1,1-Dichloroethene	4.06	96	214979	51.836	ug/l	99
13) Acrolein	3.93	56	77877	259.514	ug/l	97
14) Allyl chloride	4.71	41	377591	54.781	ug/l	99
15) Acrylonitrile	5.43	53	269609	303.259	ug/l	99
16) Acetone	4.17	43	219399	219.758	ug/l	98
17) Carbon Disulfide	4.40	76	700626	52.615	ug/l	98
18) Methyl Acetate	4.73	43	123818	59.360	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	542792	59.185	ug/l	97
20) Methylene Chloride	4.96	84	260377	60.020	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	255734	54.502	ug/l	98
22) Diisopropyl ether	6.37	45	779548	59.959	ug/l	98
23) Vinyl Acetate	6.31	43	2253800	311.009	ug/l	99
24) 1,1-Dichloroethane	6.27	63	454503	57.755	ug/l	98
25) 2-Butanone	7.22	43	338570	284.296	ug/l	96
26) 2,2-Dichloropropane	7.21	77	363301	51.505	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	287487	57.672	ug/l	97
28) Bromochloromethane	7.55	49	179954	60.324	ug/l	99
29) Tetrahydrofuran	7.57	42	222225	308.567	ug/l	99
30) Chloroform	7.71	83	460436	58.761	ug/l	99
31) Cyclohexane	7.98	56	390580	49.168	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	403119	55.228	ug/l	99
36) 1,1-Dichloropropene	8.11	75	351275	52.414	ug/l	100
37) Ethyl Acetate	7.30	43	156802	57.269	ug/l	98
38) Carbon Tetrachloride	8.10	117	360790	52.709	ug/l	94

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 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)
39) Methylcyclohexane	9.36	83	410723	49.650	ug/l	98
40) Benzene	8.36	78	1022806	55.265	ug/l	98
41) Methacrylonitrile	7.54	41	100748	66.791	ug/l #	85
42) 1,2-Dichloroethane	8.43	62	296781	56.279	ug/l	99
43) Isopropyl Acetate	8.46	43	299356	57.156	ug/l	98
44) Trichloroethene	9.11	130	279454	52.606	ug/l	96
45) 1,2-Dichloropropane	9.39	63	257928	58.127	ug/l	97
46) Dibromomethane	9.48	93	137606	59.015	ug/l	99
47) Bromodichloromethane	9.67	83	364645	59.352	ug/l	97
48) Methyl methacrylate	9.46	41	144319	57.262	ug/l	98
49) 1,4-Dioxane	9.47	88	33138	1199.899	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	773966	300.217	ug/l	99
52) Toluene	10.41	92	659848	55.862	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	344886	57.656	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	410190	57.335	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	188925	59.071	ug/l	97
56) Ethyl methacrylate	10.67	69	242212	59.854	ug/l	98
57) 1,3-Dichloropropane	10.95	76	326781	58.106	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	329768	252.399	ug/l	99
59) 2-Hexanone	10.99	43	517711	283.511	ug/l	98
60) Dibromochloromethane	11.14	129	247827	59.825	ug/l	99
61) 1,2-Dibromoethane	11.25	107	183276	58.647	ug/l	99
64) Tetrachloroethene	10.88	164	237135	50.221	ug/l	99
65) Chlorobenzene	11.68	112	692490	54.484	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	266420	56.795	ug/l	99
67) Ethyl Benzene	11.75	91	1249248	54.100	ug/l	97
68) m/p-Xylenes	11.86	106	956646	108.545	ug/l	100
69) o-Xylene	12.18	106	434575	54.756	ug/l	98
70) Styrene	12.20	104	789517	57.237	ug/l	99
71) Bromoform	12.37	173	145561	57.650	ug/l #	100
73) Isopropylbenzene	12.48	105	1142055	51.697	ug/l	100
74) N-amyl acetate	12.30	43	275430	57.361	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	197749	56.876	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	135569m	55.633	ug/l	
77) Bromobenzene	12.77	156	285157	53.575	ug/l	98
78) n-propylbenzene	12.83	91	1356847	52.447	ug/l	99
79) 2-Chlorotoluene	12.91	91	764962	53.046	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	956680	52.934	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	66055	54.212	ug/l	100
82) 4-Chlorotoluene	13.01	91	807126	53.292	ug/l	100
83) tert-Butylbenzene	13.23	119	787315	50.494	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	970906	54.112	ug/l	98
85) sec-Butylbenzene	13.41	105	1103782	51.831	ug/l	100
86) p-Isopropyltoluene	13.53	119	1042033	52.664	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	539296	54.117	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	530455	53.481	ug/l	99
89) n-Butylbenzene	13.86	91	939180	51.426	ug/l	100
90) Hexachloroethane	14.12	117	200159	53.422	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	469272	54.977	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	31193	54.959	ug/l	95

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ClientSampleId :
VSTDCCC050EC

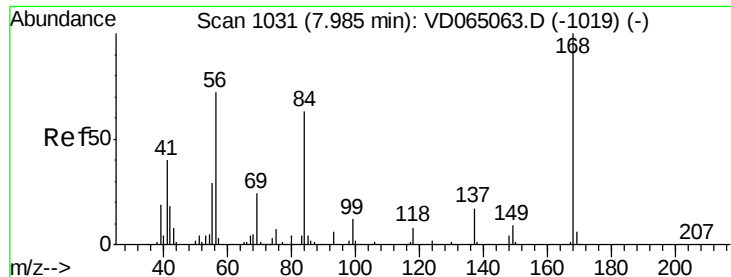
Manual Integrations
APPROVED

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2/12/2020 3:12:37 PM

Quant Time: Feb 12 07:40:17 2020
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	15.17	180	321309	52.667	ug/l	98
94) Hexachlorobutadiene	15.28	225	181339	48.341	ug/l	99
95) Naphthalene	15.41	128	549360	54.177	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	275779	52.847	ug/l	99

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



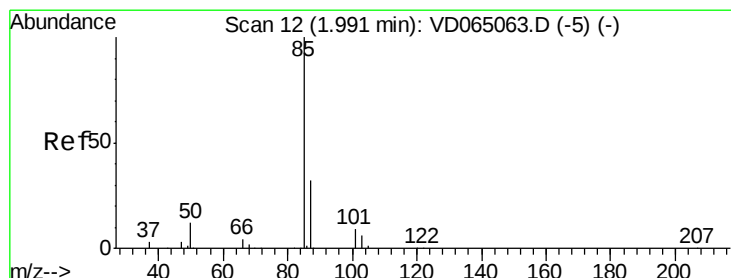
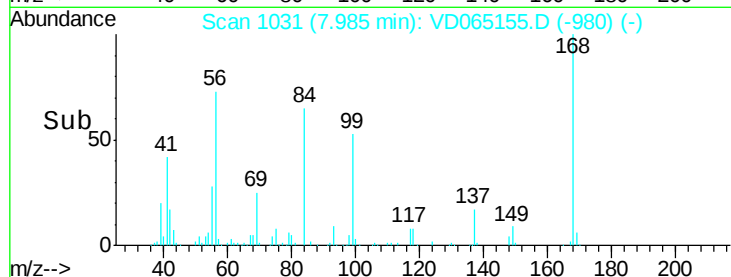
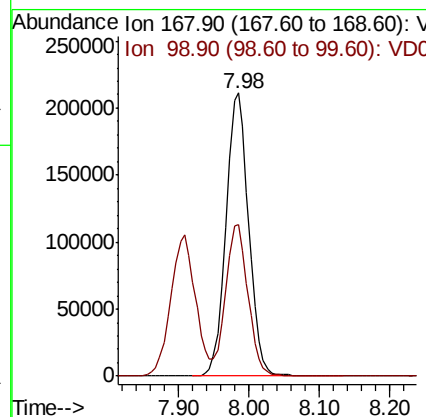
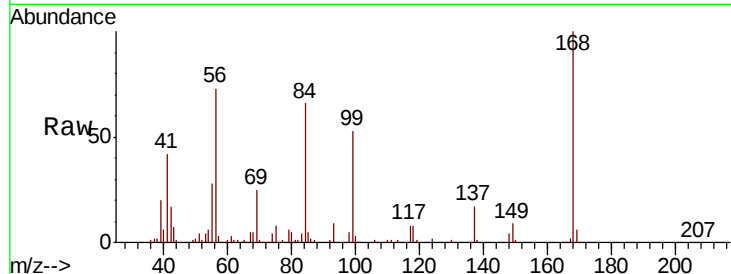
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
168	100		
99	53.3	41.0	61.6

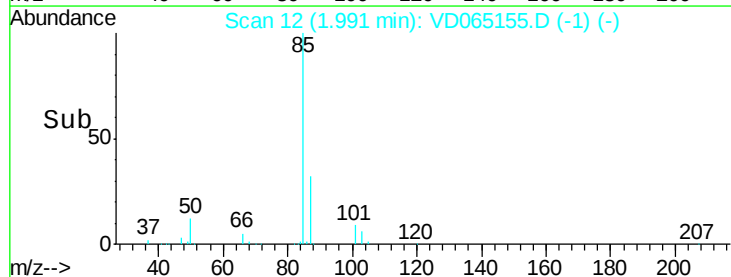
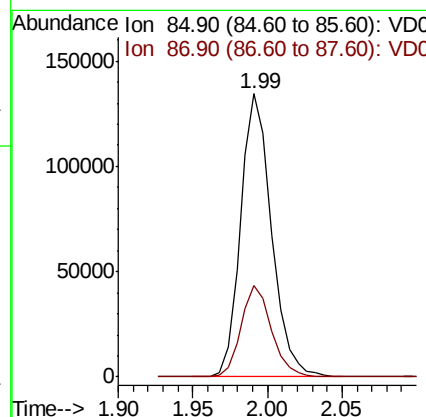
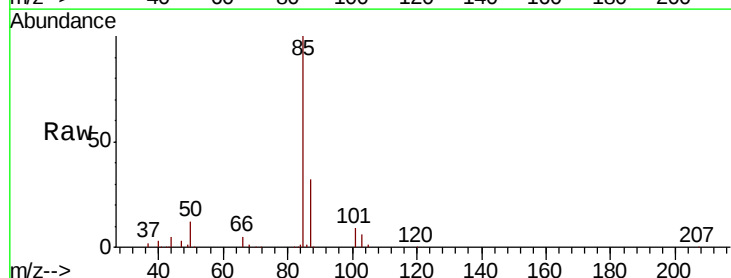
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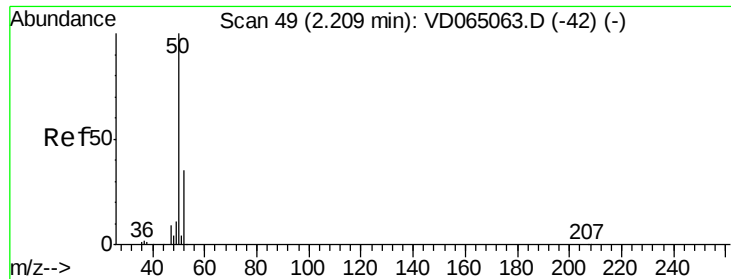
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#2
Dichlorodifluoromethane
Concen: 49.466 ug/l
RT: 1.99 min Scan# 12
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.2	15.8	47.3





#3

Chloromethane

Concen: 56.397 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065155.D

Acq: 11 Feb 2020 20:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 259566

Ion Ratio Lower Upper

50 100

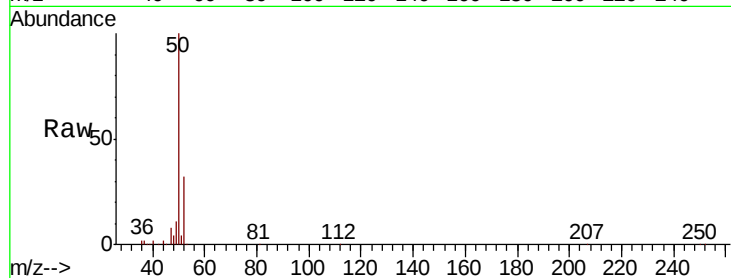
52 31.9 27.8 41.6

Manual Integrations

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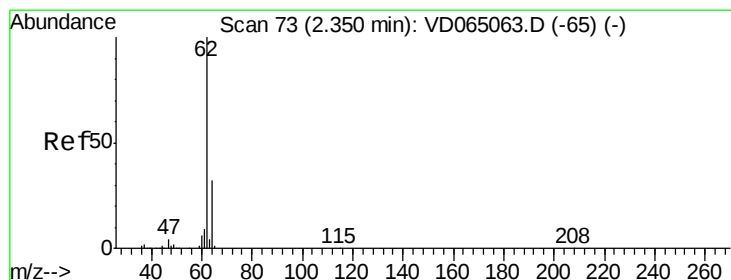
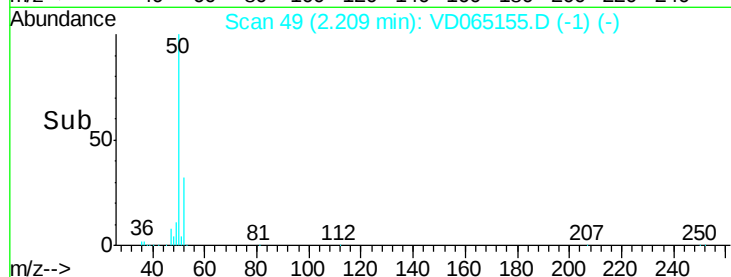
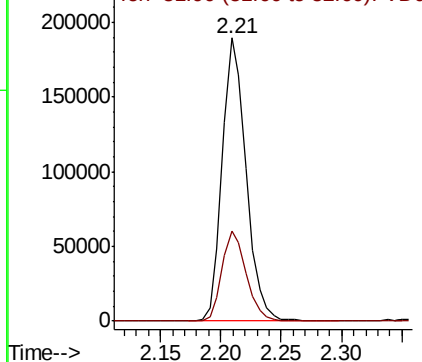
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 53.185 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065155.D

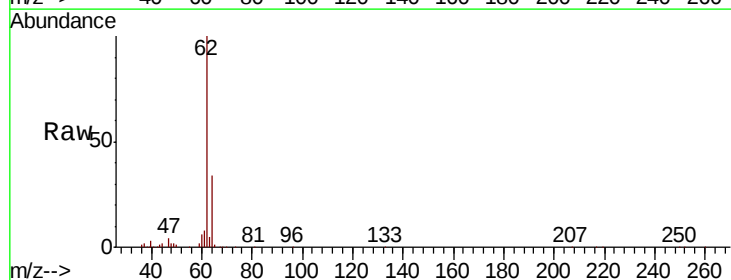
Acq: 11 Feb 2020 20:27

Tgt Ion: 62 Resp: 258874

Ion Ratio Lower Upper

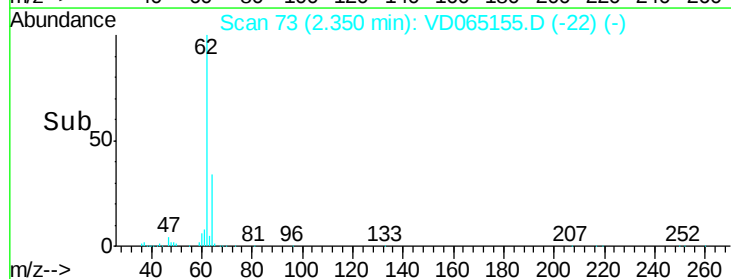
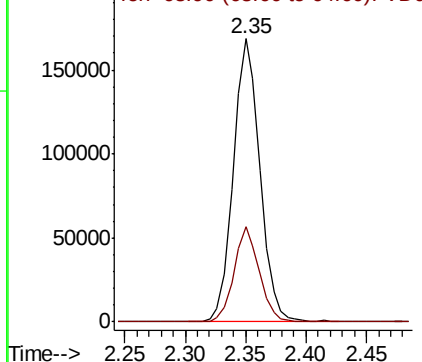
62 100

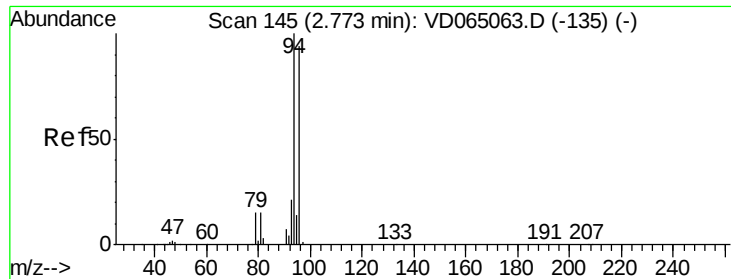
64 33.8 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 49.665 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065155.D

Acq: 11 Feb 2020 20:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 156745

Ion Ratio Lower Upper

94 100

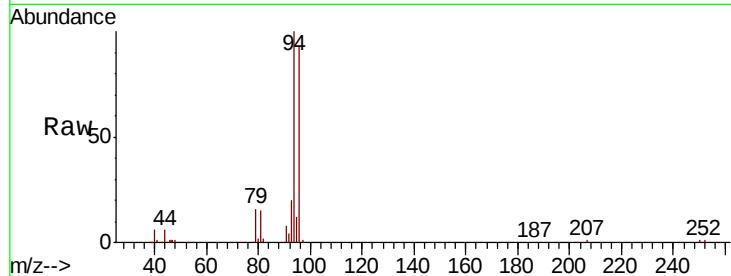
96 92.6 75.4 113.0

Manual Integrations

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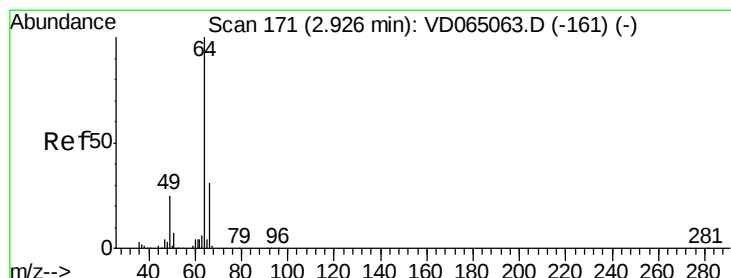
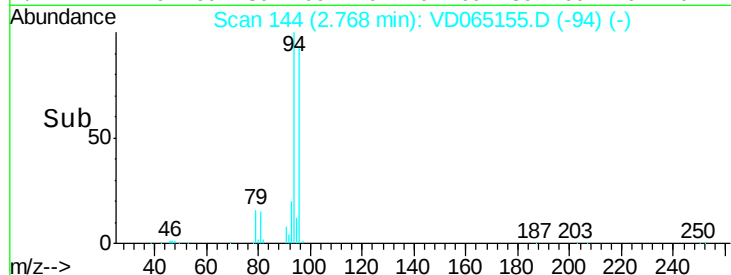
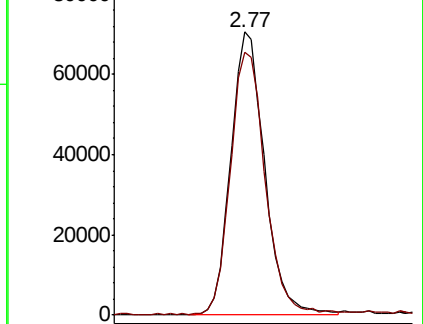
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 54.304 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065155.D

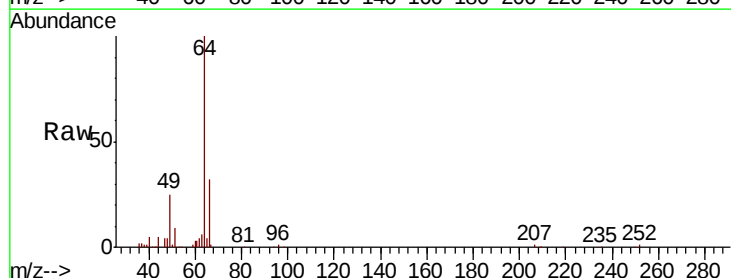
Acq: 11 Feb 2020 20:27

Tgt Ion: 64 Resp: 163960

Ion Ratio Lower Upper

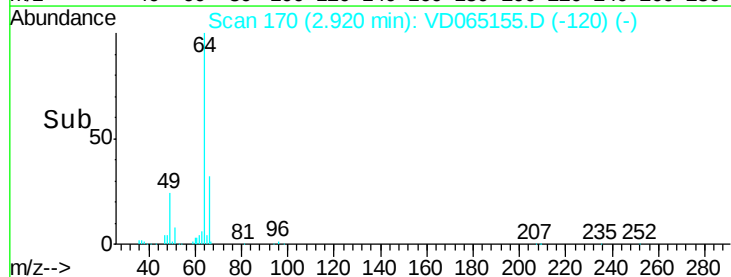
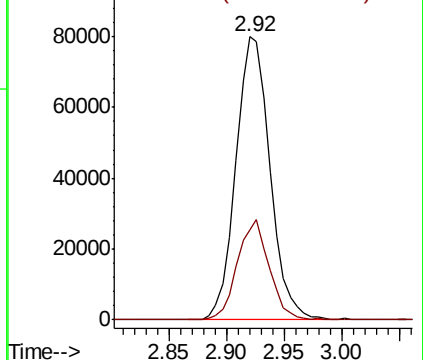
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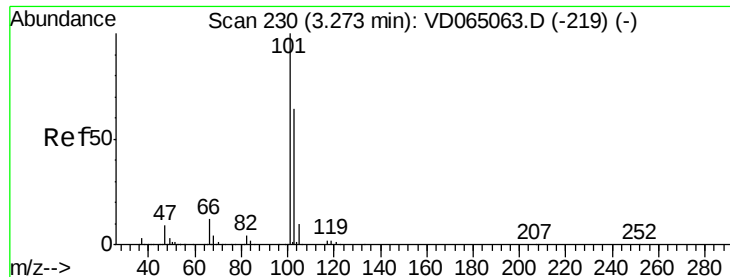
66 31.7 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

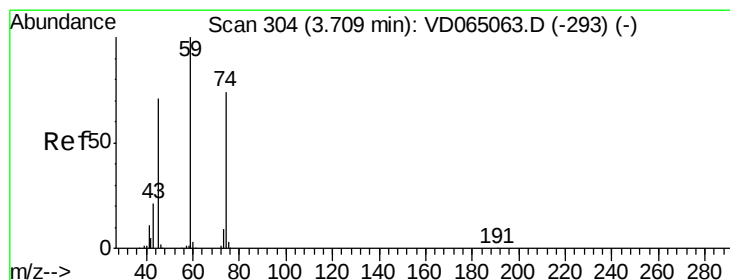
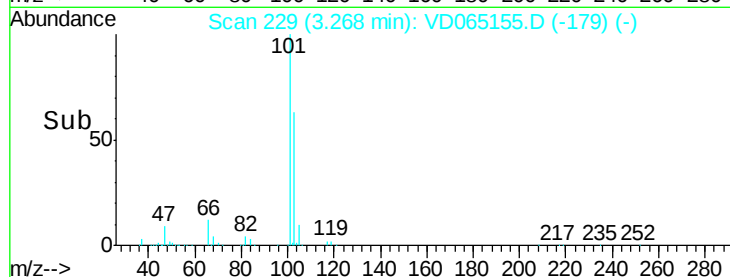
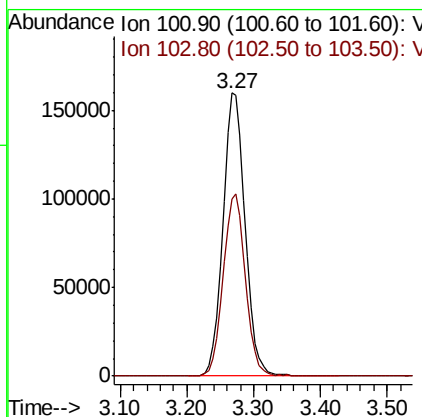
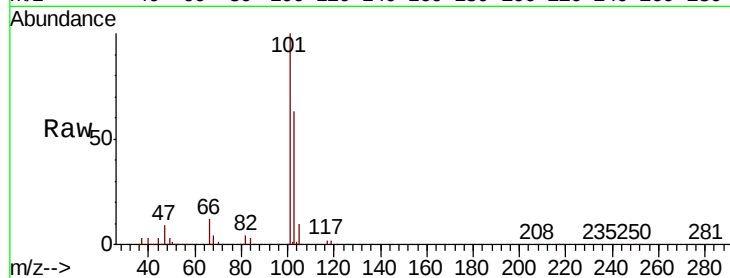
Trichlorofluoromethane
Concen: 52.912 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.6	51.0	76.6

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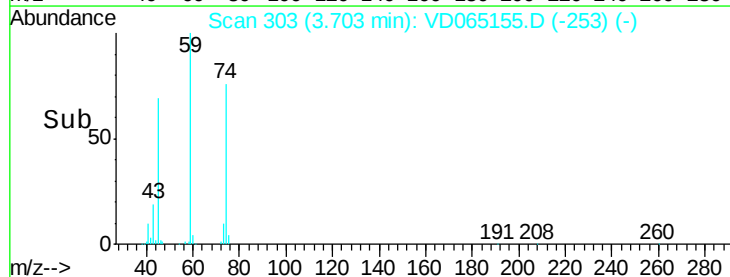
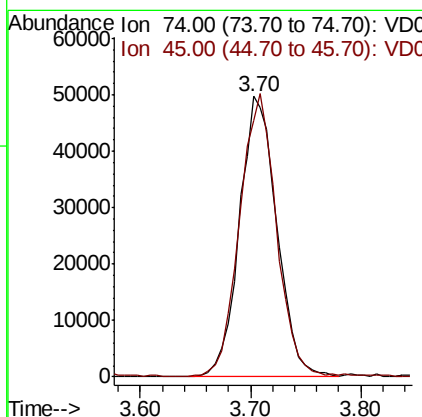
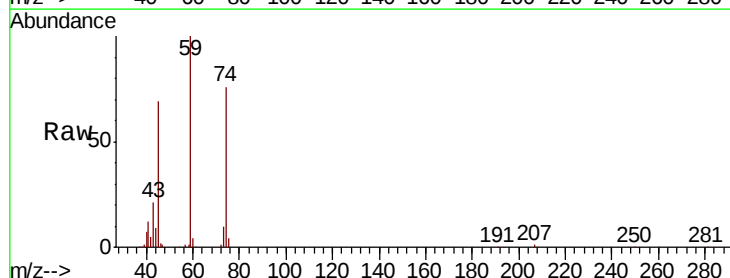
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2/12/2020 3:12:37 PM

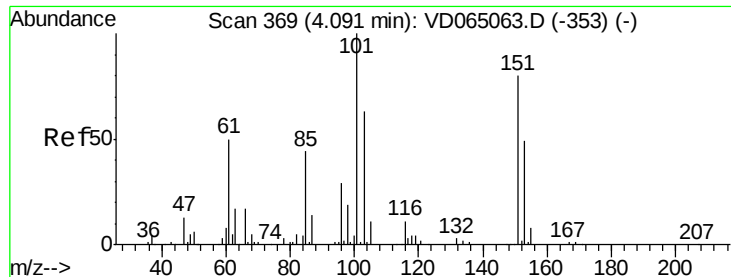


#8

Diethyl Ether
Concen: 58.159 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.6	49.0	147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.441 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065155.D

Acq: 11 Feb 2020 20:27

Instrument :

MSVOA_D

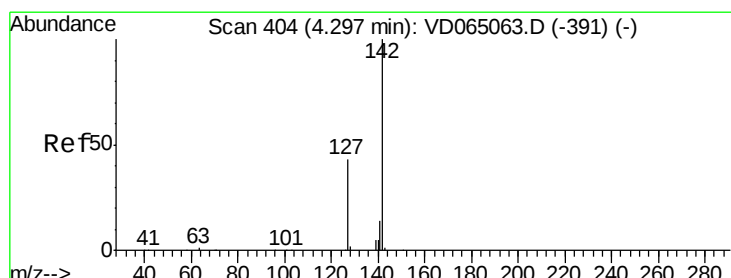
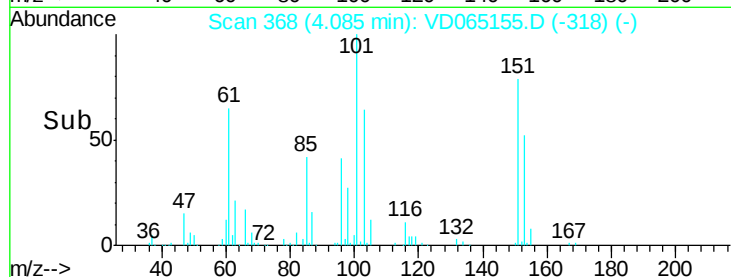
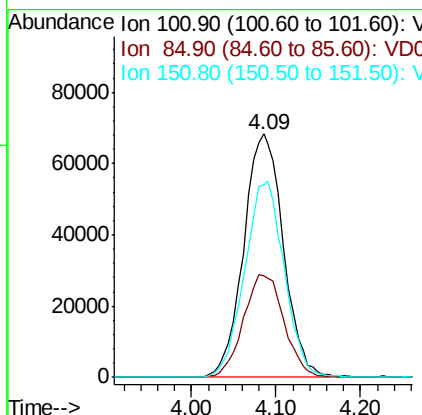
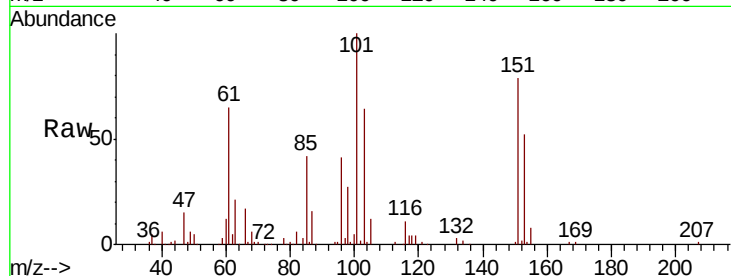
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	222757
Ion Ratio	Lower	Upper	
101	100		
85	43.1	34.0	51.0
151	80.9	64.0	96.0

Manual Integrations
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#10

Methyl Iodide

Concen: 52.879 ug/l

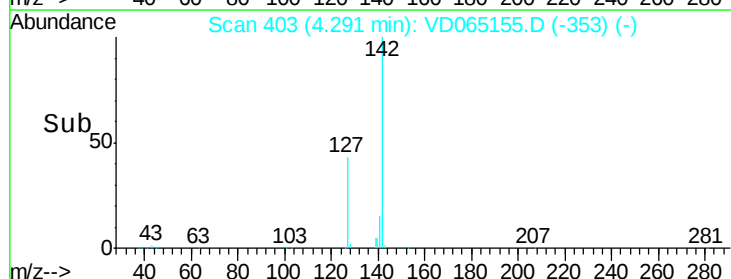
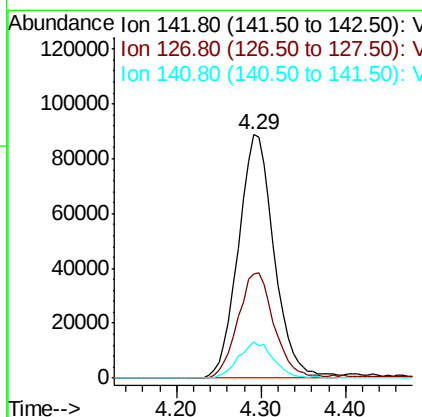
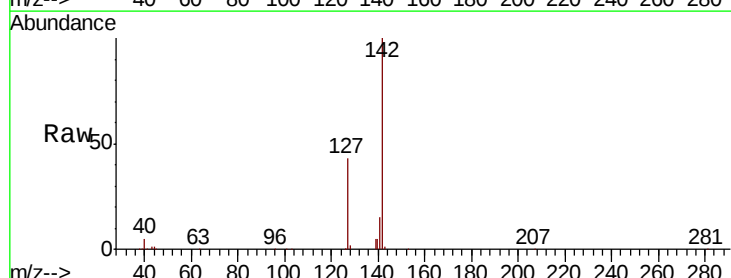
RT: 4.29 min Scan# 403

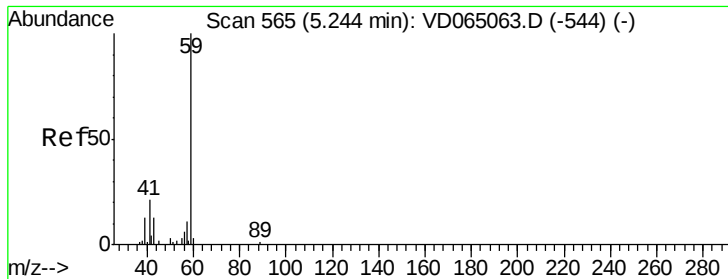
Delta R.T. -0.01 min

Lab File: VD065155.D

Acq: 11 Feb 2020 20:27

Tgt Ion:	142	Resp:	261360
Ion Ratio	Lower	Upper	
142	100		
127	43.8	34.0	51.0
141	14.4	11.6	17.4





#11

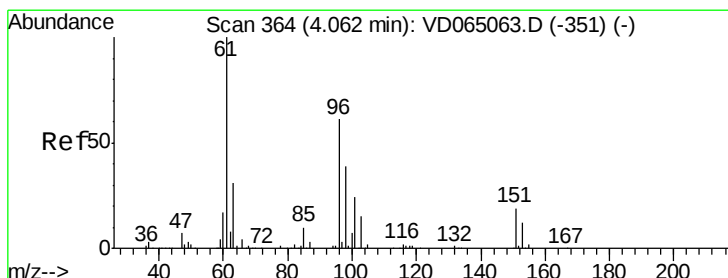
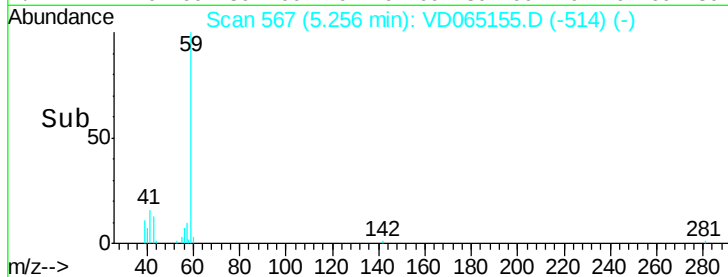
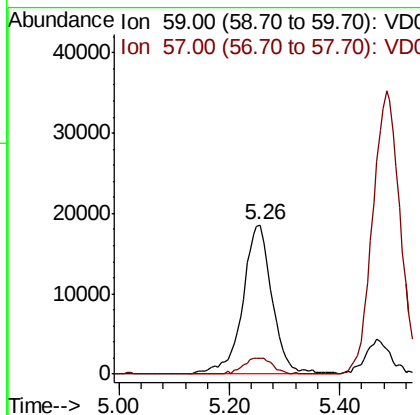
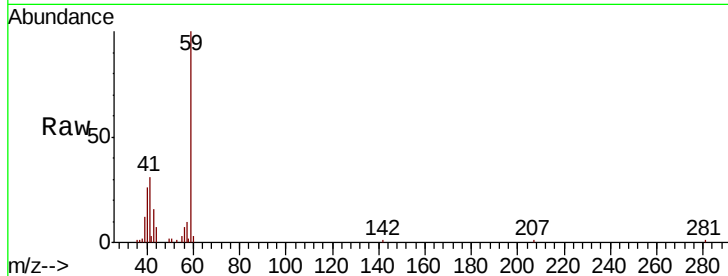
Tert butyl alcohol
Concen: 280.889 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.01 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	68531
Ion Ratio	100	Lower	Upper
57	10.6	8.8	13.2

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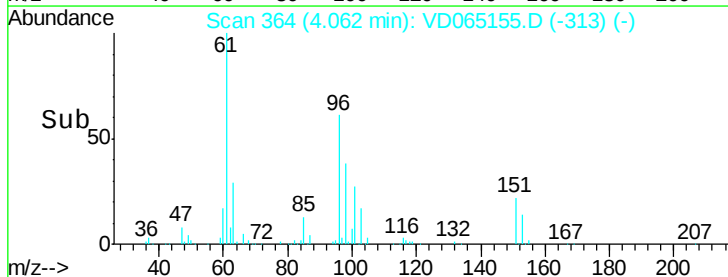
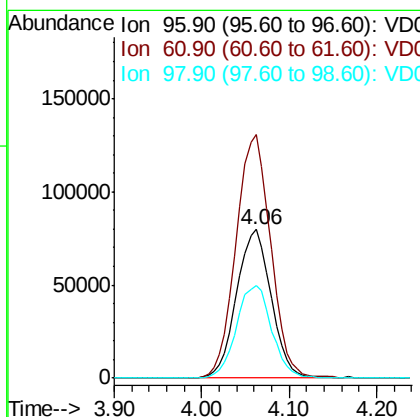
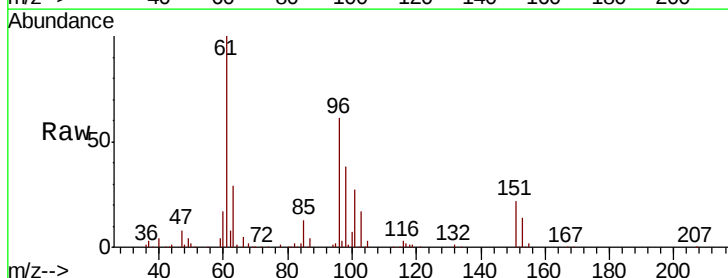
MMDadoda
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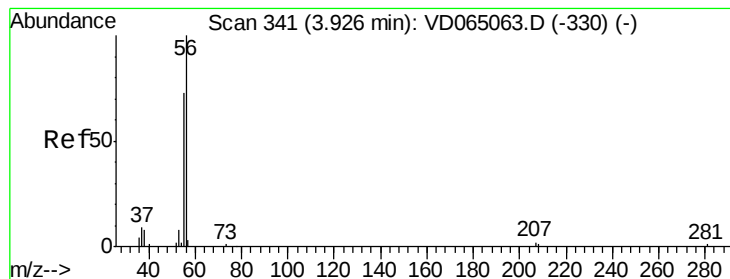


#12

1,1-Dichloroethene
Concen: 51.836 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Tgt Ion	96	Resp	214979
Ion Ratio	100	Lower	Upper
61	163.9	131.4	197.2
98	62.2	51.1	76.7





#13

Acrolein

Concen: 259.514 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065155.D

Acq: 11 Feb 2020 20:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 77877

Ion Ratio Lower Upper

56 100

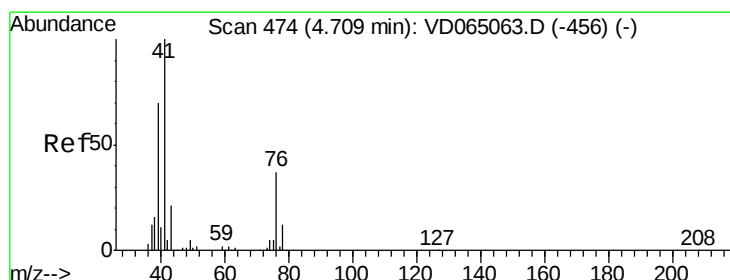
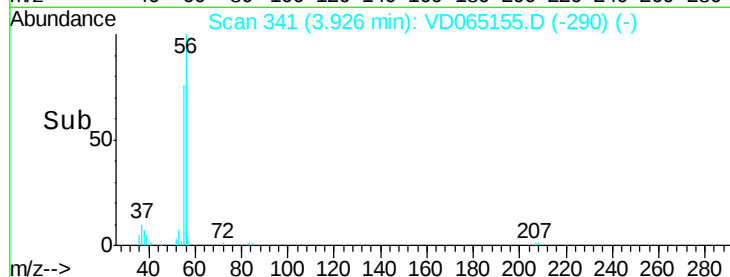
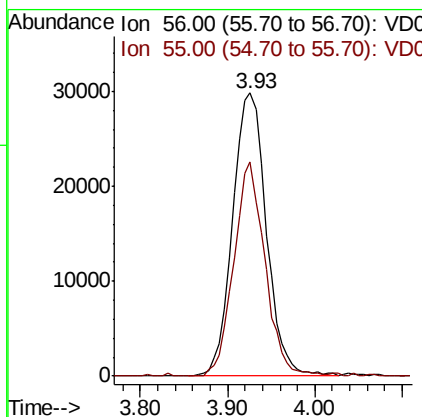
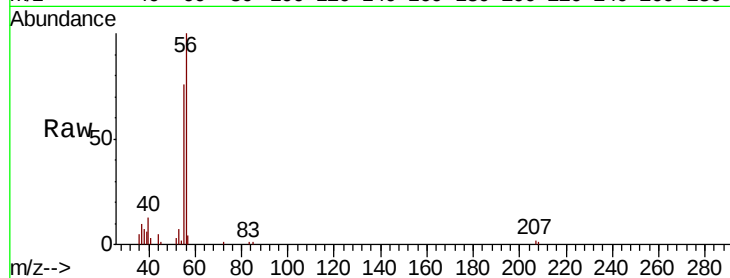
55 69.9 58.2 87.2

Manual Integrations

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#14

Allyl chloride

Concen: 54.781 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD065155.D

Acq: 11 Feb 2020 20:27

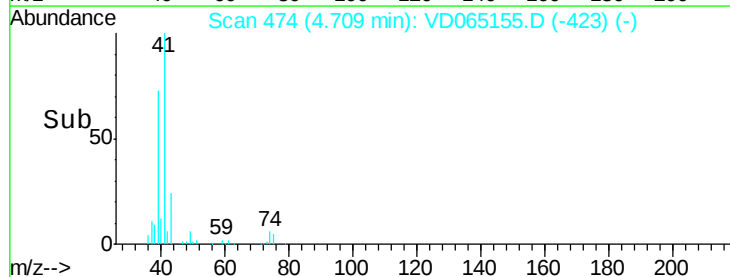
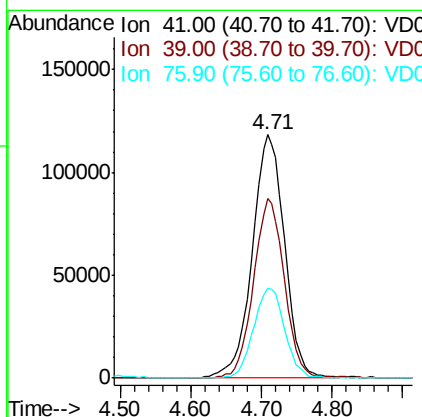
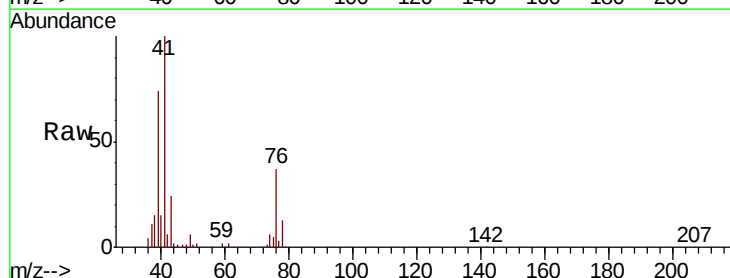
Tgt Ion: 41 Resp: 377591

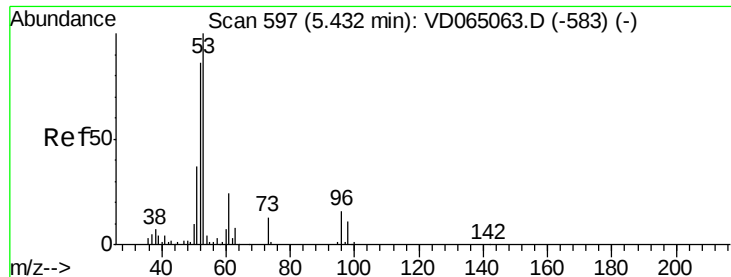
Ion Ratio Lower Upper

41 100

39 70.5 57.1 85.7

76 35.9 28.0 42.0





#15

Acrylonitrile

Concen: 303.259 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065155.D

Acq: 11 Feb 2020 20:27

Instrument :

MSVOA_D

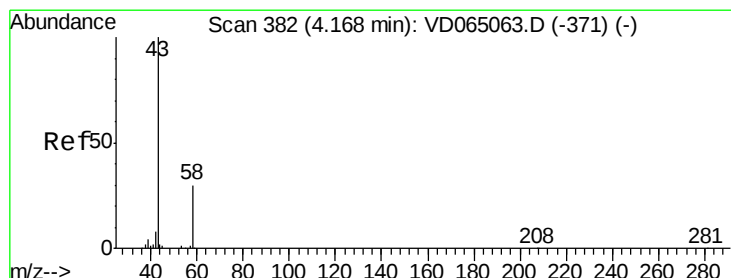
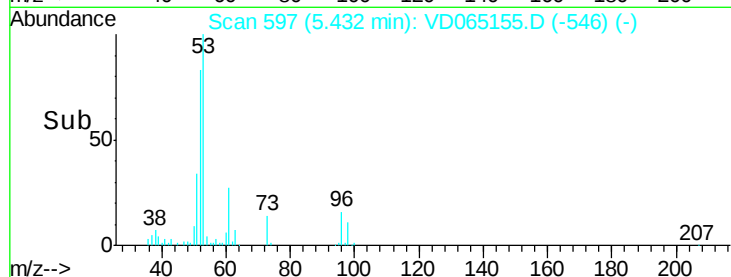
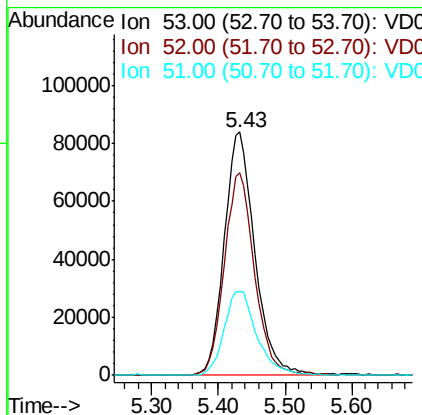
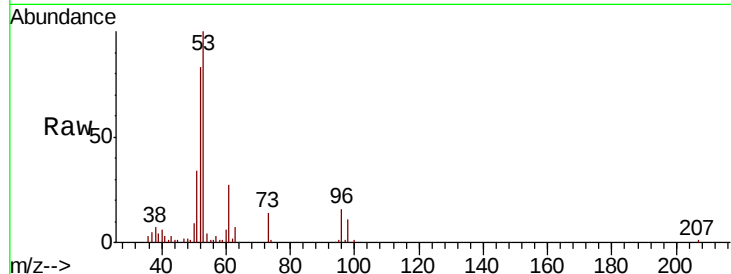
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
53	53	100		
52	52	81.7	66.2	99.2
51	51	37.2	30.4	45.6

Manual Integrations
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#16

Acetone

Concen: 219.758 ug/l

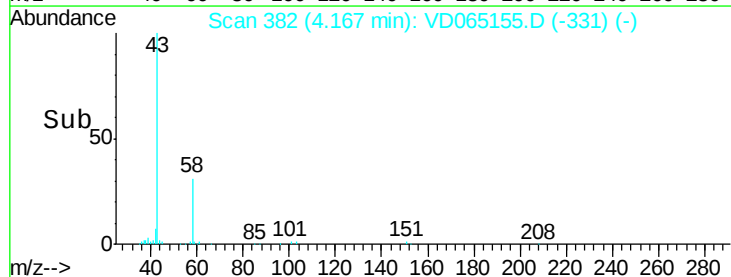
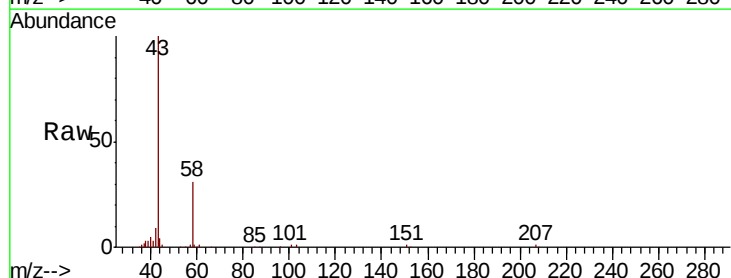
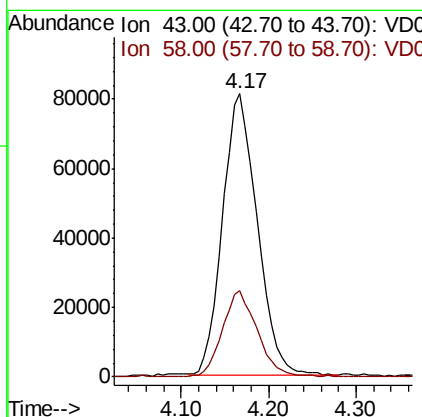
RT: 4.17 min Scan# 382

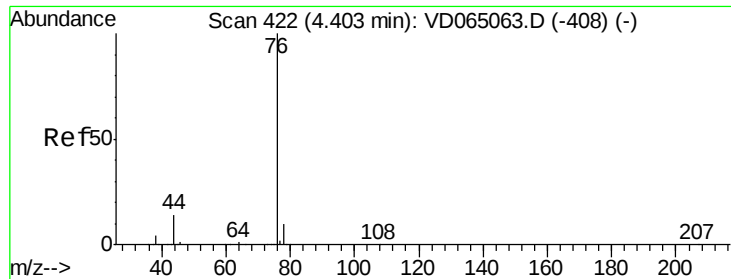
Delta R.T. -0.00 min

Lab File: VD065155.D

Acq: 11 Feb 2020 20:27

Tgt Ion	Ion	Ratio	Lower	Upper
43	43	100		
58	58	30.7	23.5	35.3





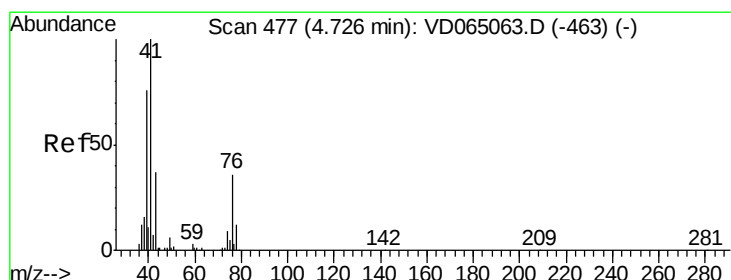
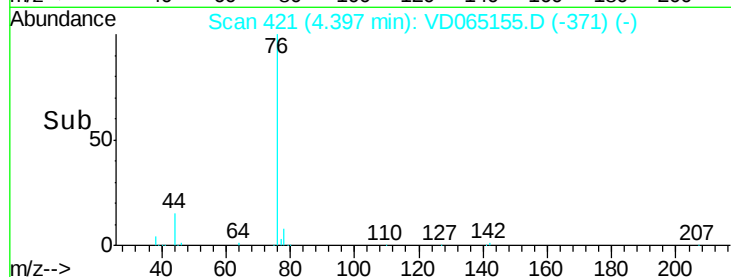
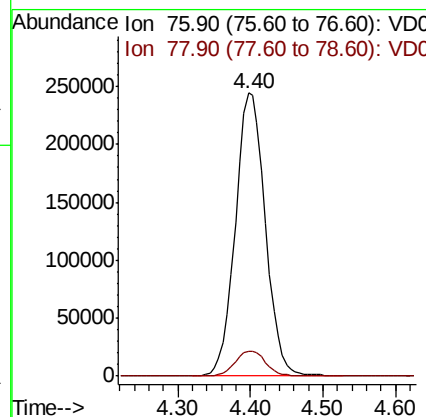
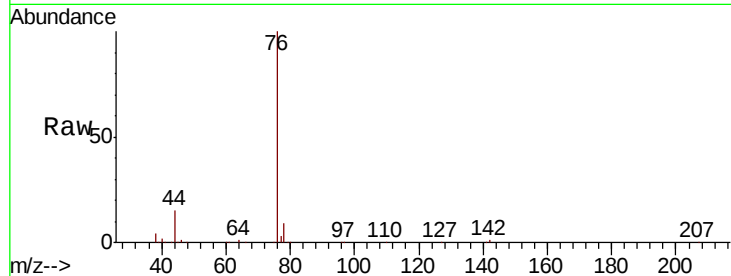
#17
Carbon Disulfide
Concen: 52.615 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.6	11.4

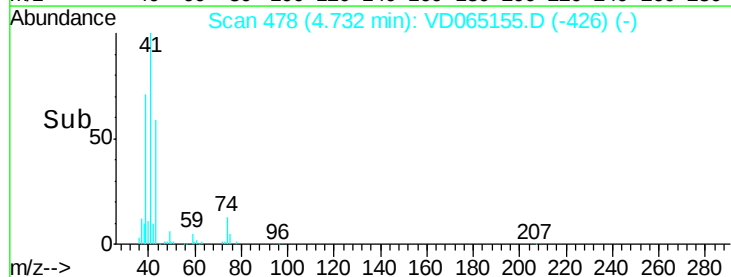
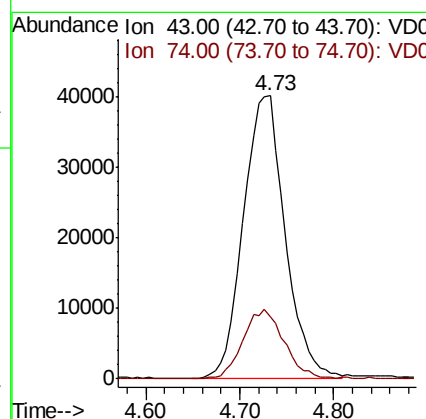
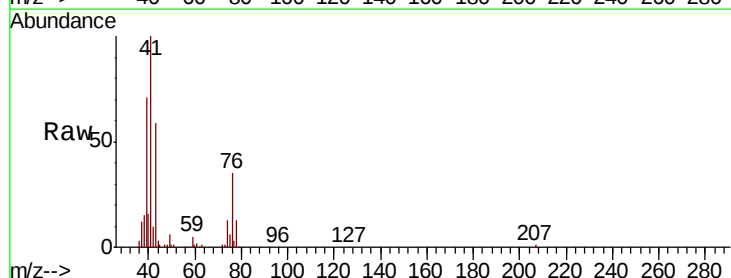
Manual Integrations
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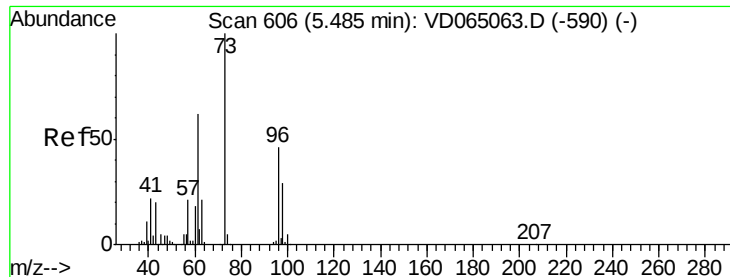
MMDadoda
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#18
Methyl Acetate
Concen: 59.360 ug/l
RT: 4.73 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	18.7	28.1





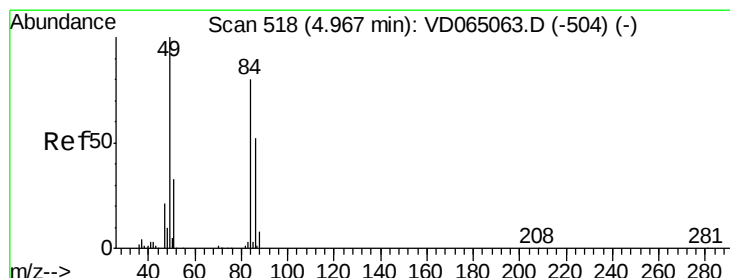
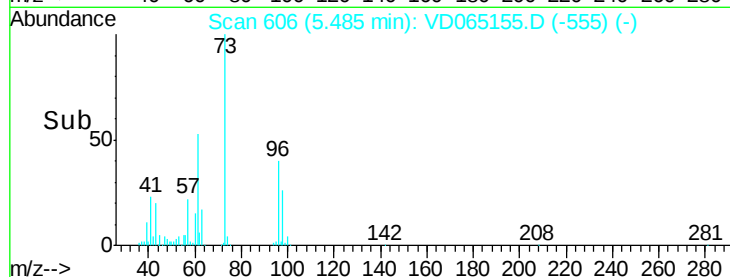
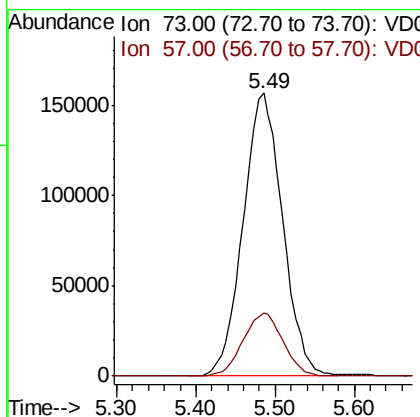
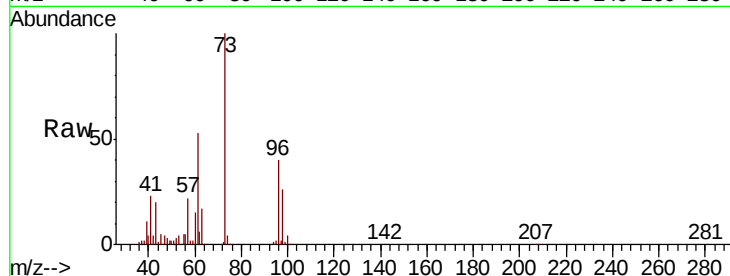
#19
Methyl tert-butyl Ether
Concen: 59.185 ug/l
RT: 5.49 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.5	16.8	25.2

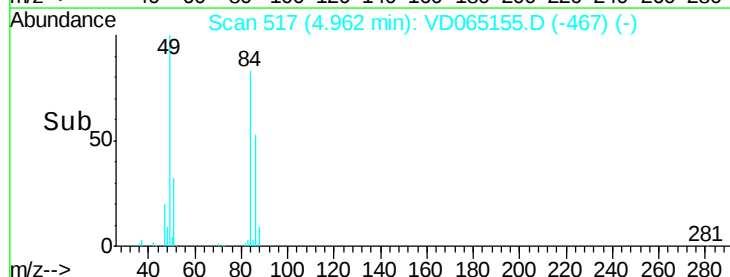
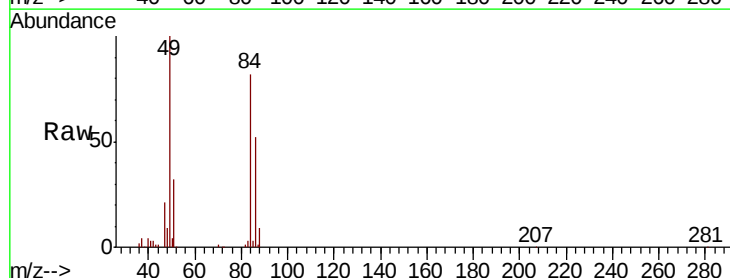
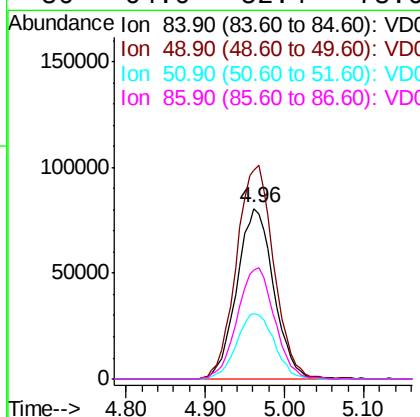
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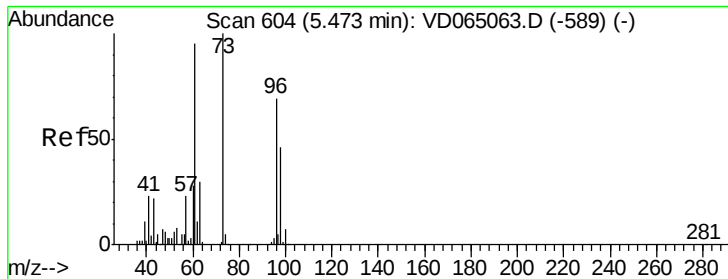
MMDadoda
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#20
Methylene Chloride
Concen: 60.020 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.0	100.4	150.6
51	38.6	32.7	49.1
86	64.0	52.4	78.6





#21

trans-1,2-Dichloroethene

Concen: 54.502 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065155.D

Acq: 11 Feb 2020 20:27

Instrument :

MSVOA_D

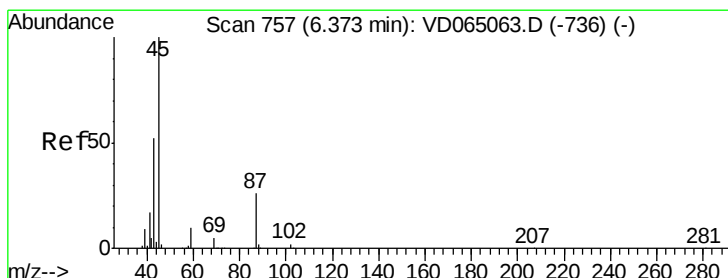
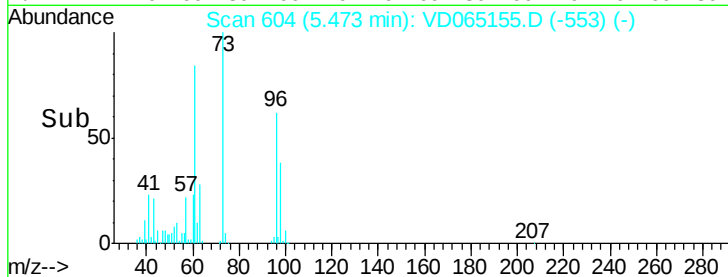
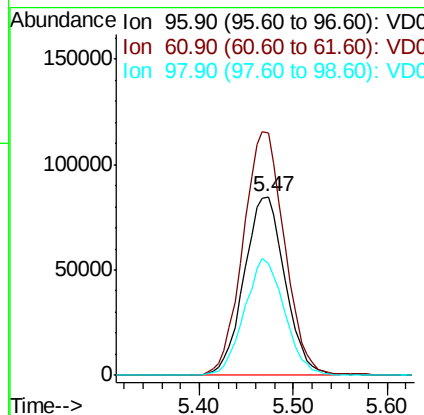
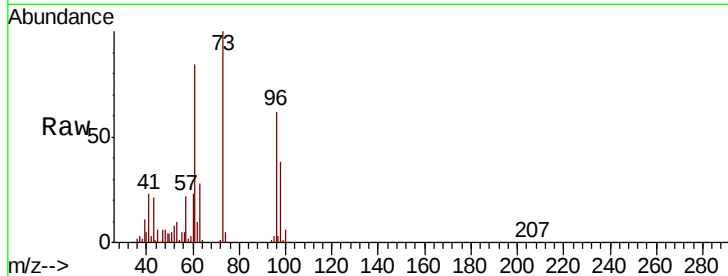
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	255734
Ion	Ratio	Lower	Upper
96	100		
61	136.0	109.5	164.3
98	62.3	53.7	80.5

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#22

Diisopropyl ether

Concen: 59.959 ug/l

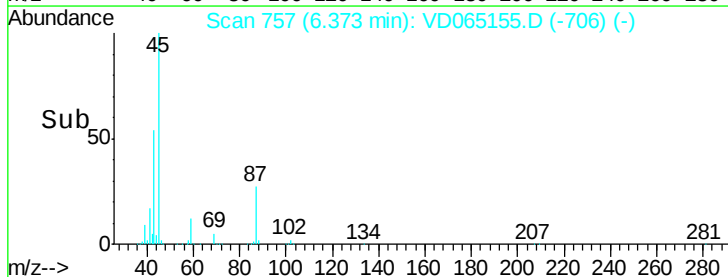
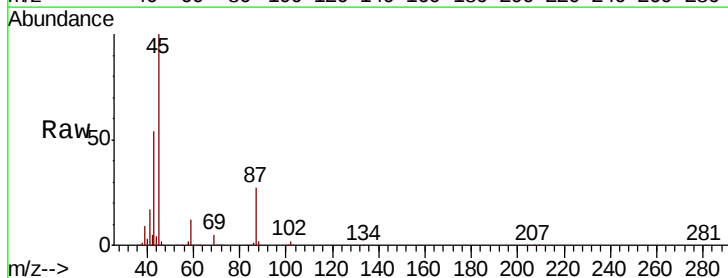
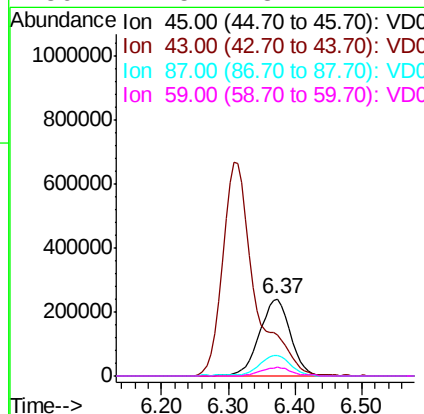
RT: 6.37 min Scan# 757

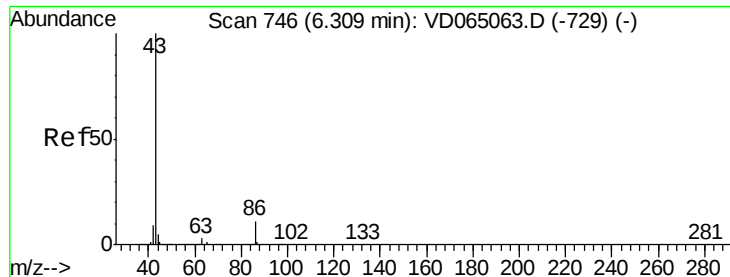
Delta R.T. -0.00 min

Lab File: VD065155.D

Acq: 11 Feb 2020 20:27

Tgt Ion:	45	Resp:	779548
Ion	Ratio	Lower	Upper
45	100		
43	53.5	41.3	61.9
87	26.9	21.0	31.6
59	11.5	8.2	12.4





#23

Vinyl Acetate

Concen: 311.009 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD065155.D

Acq: 11 Feb 2020 20:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2253800

Ion Ratio Lower Upper

43 100

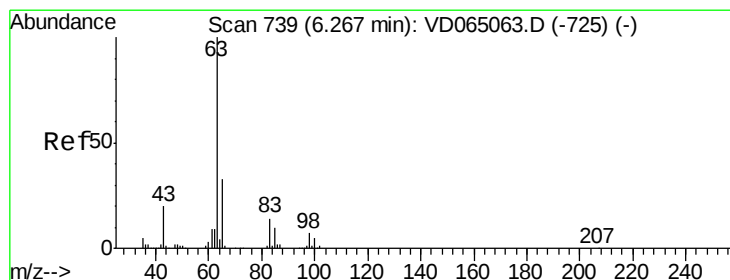
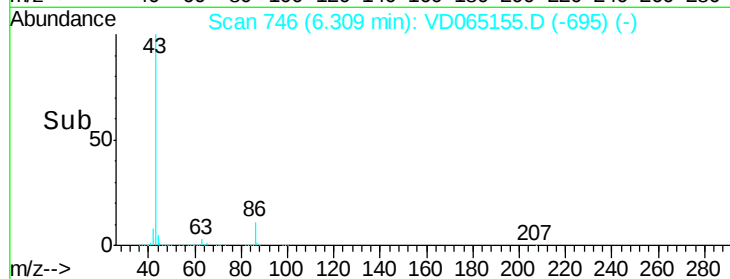
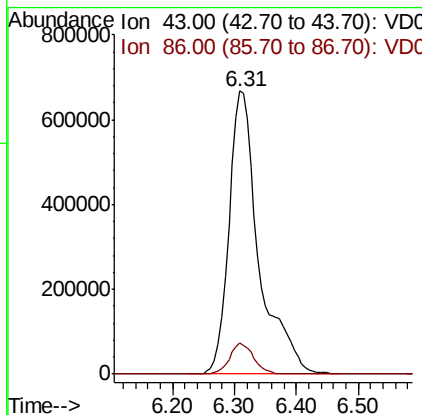
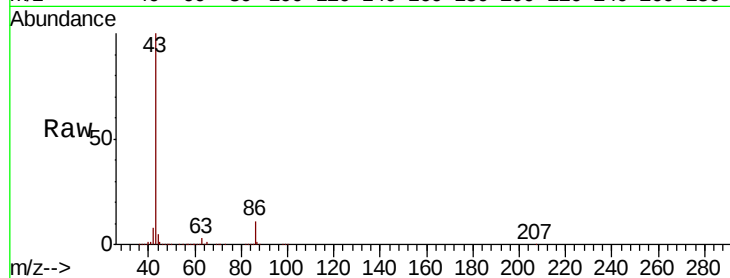
86 10.9 8.5 12.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 57.755 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065155.D

Acq: 11 Feb 2020 20:27

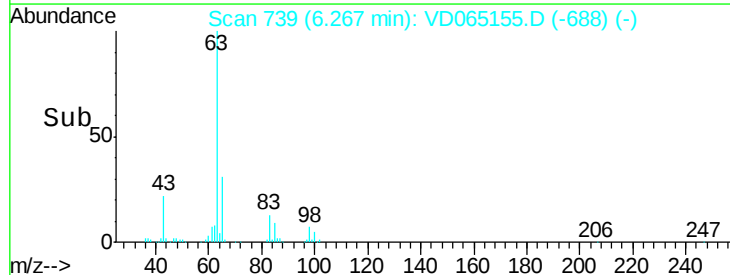
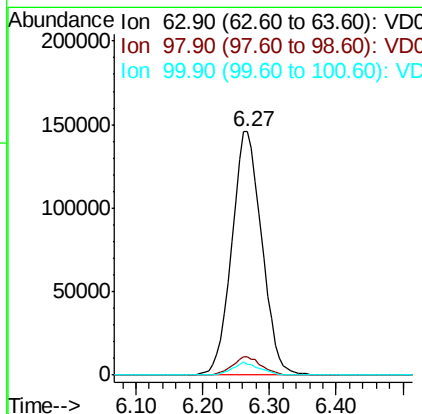
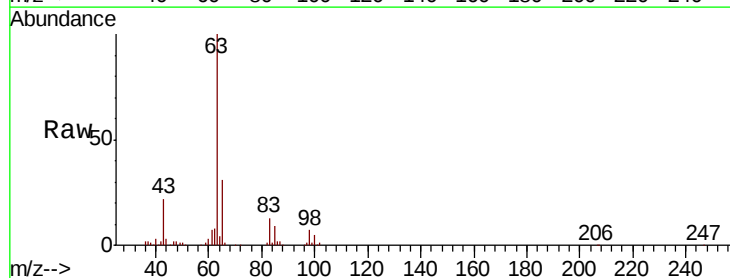
Tgt Ion: 63 Resp: 454503

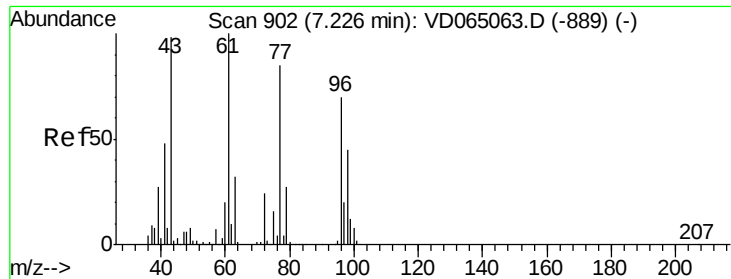
Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.4

100 4.5 2.5 7.6





#25

2-Butanone

Concen: 284.296 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD065155.D

Acq: 11 Feb 2020 20:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 338570

Ion Ratio Lower Upper

43 100

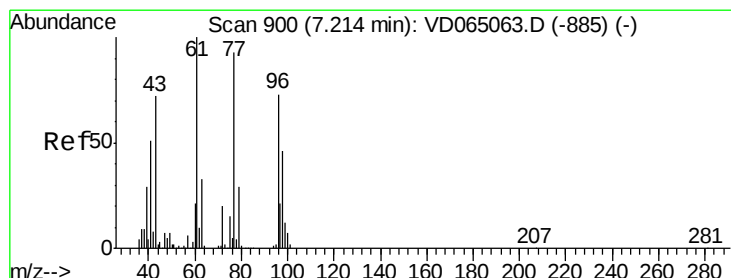
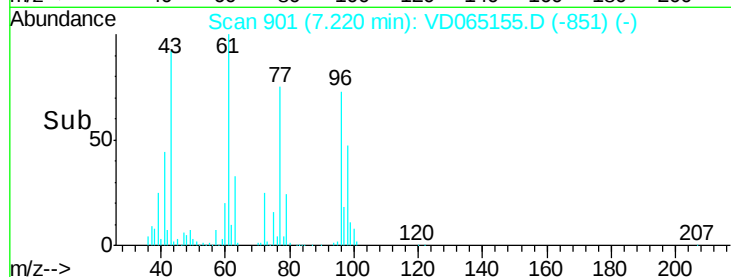
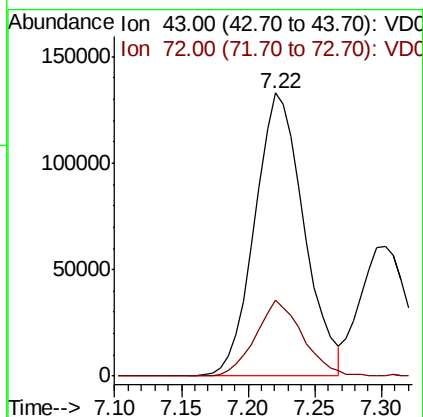
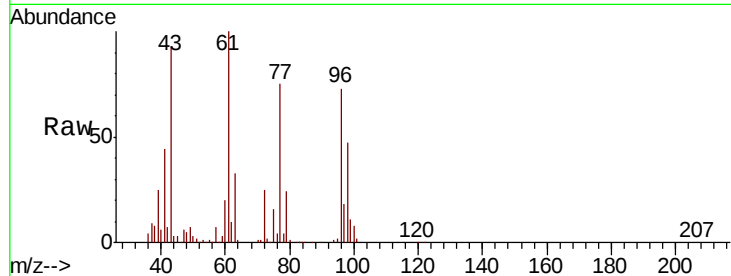
72 27.0 19.9 29.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 51.505 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065155.D

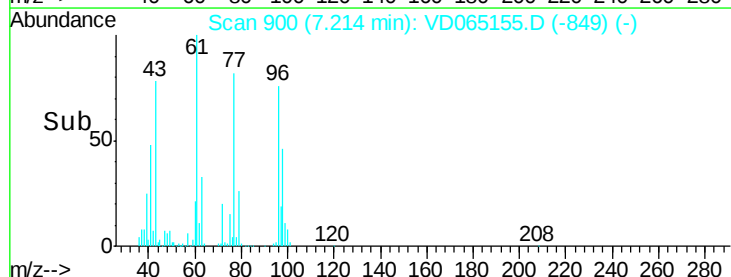
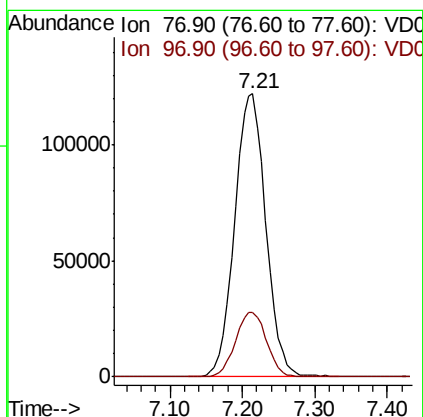
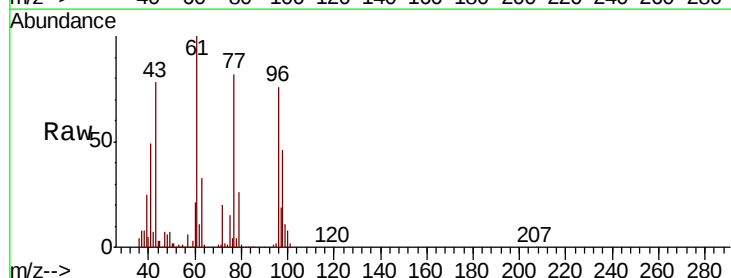
Acq: 11 Feb 2020 20:27

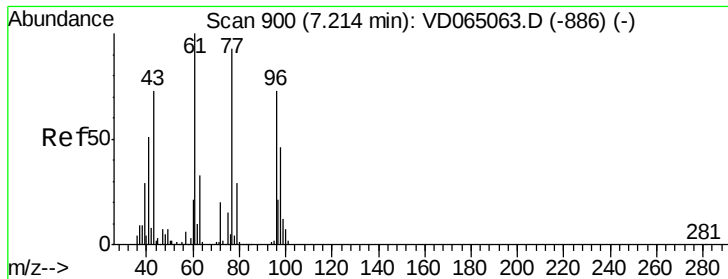
Tgt Ion: 77 Resp: 363301

Ion Ratio Lower Upper

77 100

97 23.0 10.9 32.6





#27

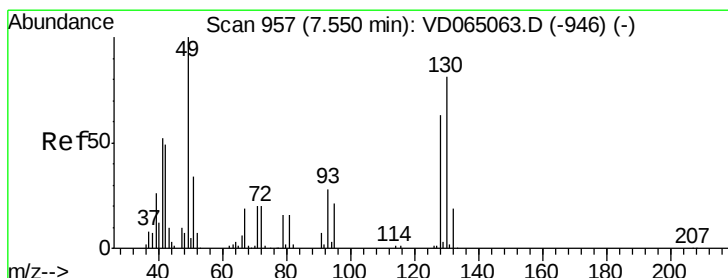
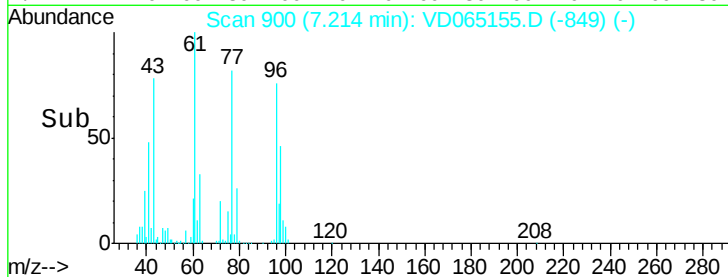
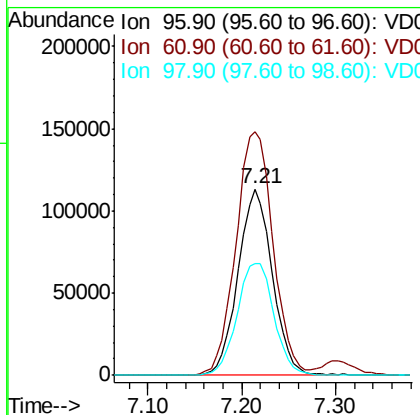
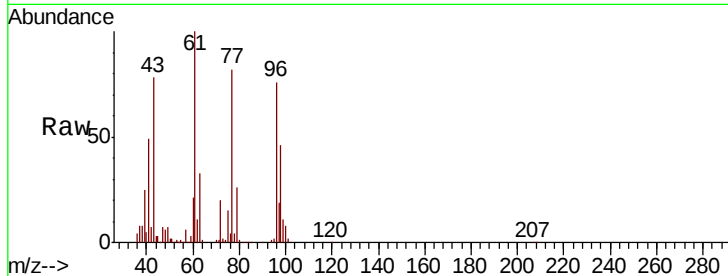
cis-1,2-Dichloroethene
 Concen: 57.672 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD065155.D
 Acq: 11 Feb 2020 20:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.4	0.0	292.8
98	64.5	0.0	128.8

Manual Integrations
 APPROVED

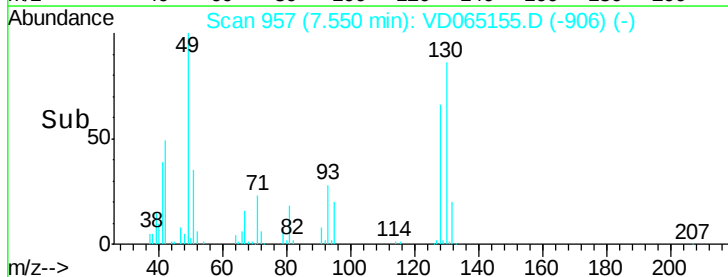
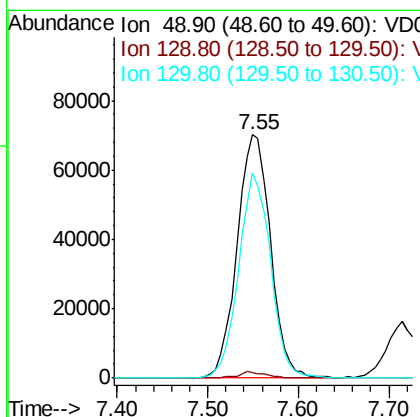
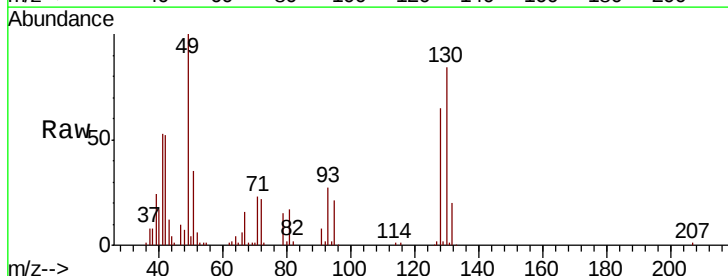
MMDadoda
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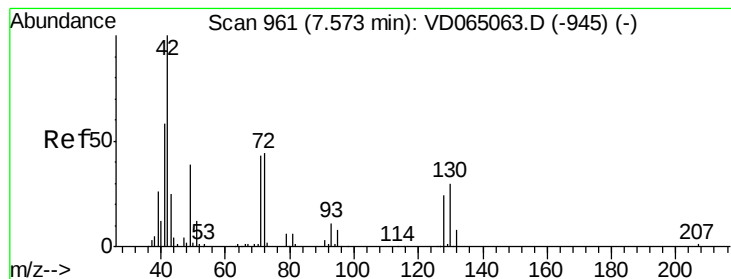


#28

Bromochloromethane
 Concen: 60.324 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD065155.D
 Acq: 11 Feb 2020 20:27

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	80.7	63.8	95.8





#29

Tetrahydrofuran

Concen: 308.567 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD065155.D

Acq: 11 Feb 2020 20:27

Instrument :

MSVOA_D

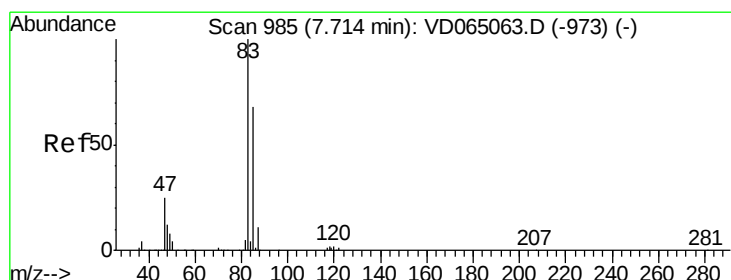
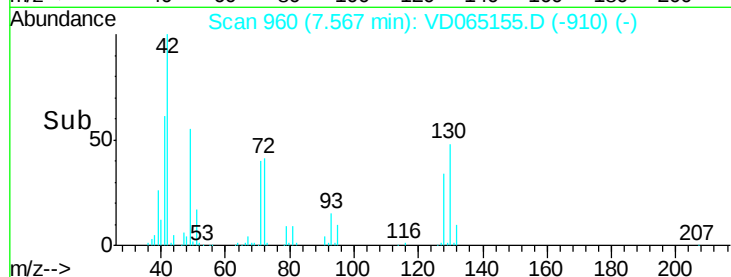
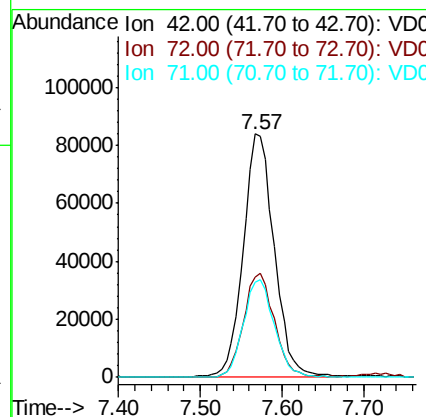
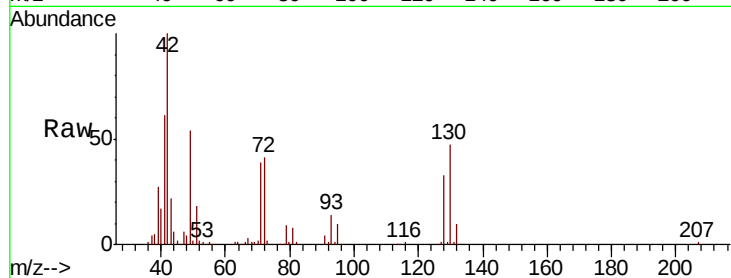
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	222225
Ion	Ratio	Lower	Upper
42	100		
72	42.3	34.2	51.4
71	39.9	31.8	47.6

Manual Integrations
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#30

Chloroform

Concen: 58.761 ug/l

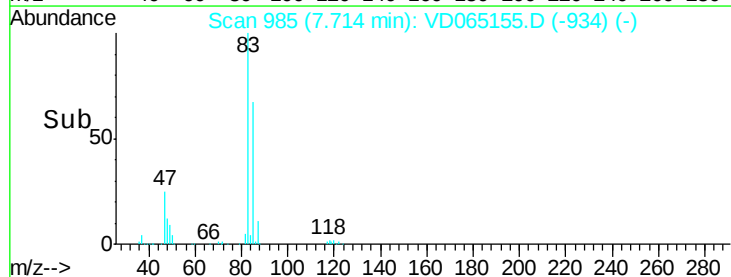
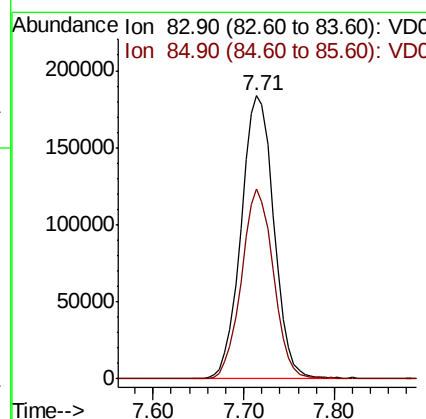
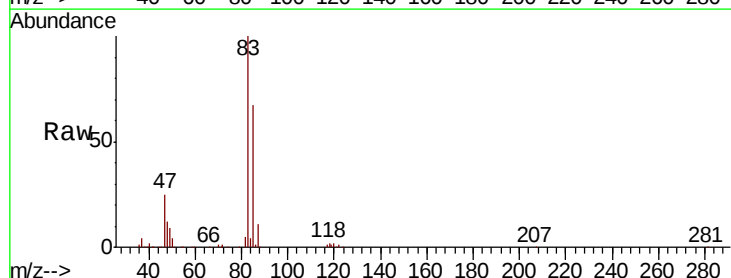
RT: 7.71 min Scan# 985

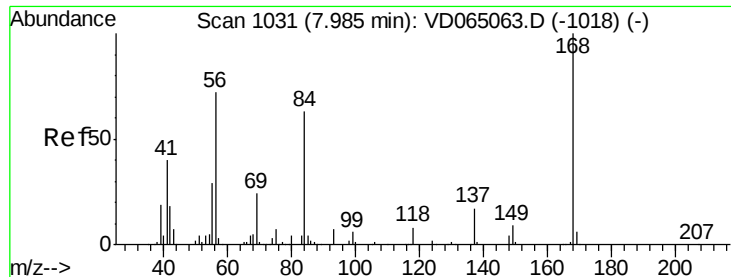
Delta R.T. -0.00 min

Lab File: VD065155.D

Acq: 11 Feb 2020 20:27

Tgt Ion:	83	Resp:	460436
Ion	Ratio	Lower	Upper
83	100		
85	66.9	54.2	81.4





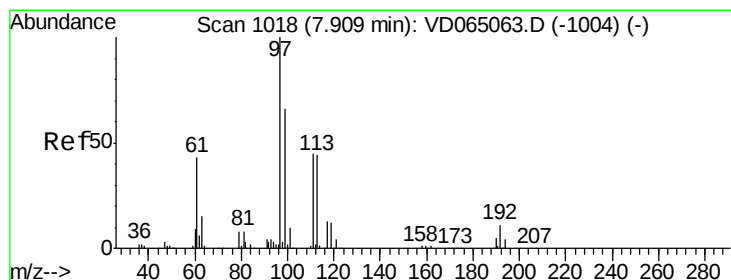
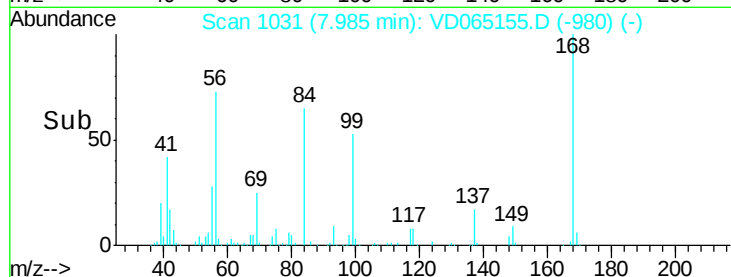
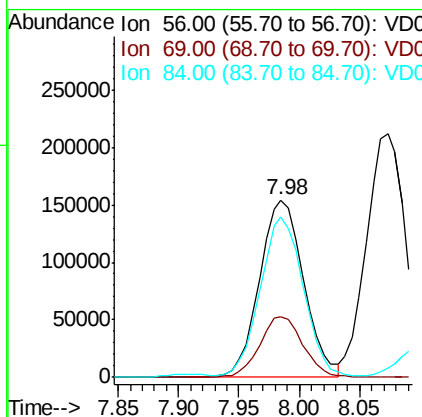
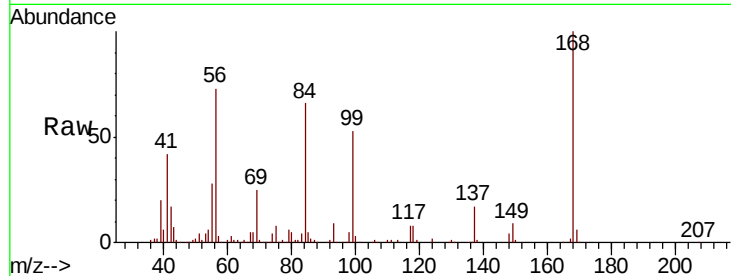
#31
Cyclohexane
Concen: 49.168 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.5	26.6	40.0
84	88.6	70.6	106.0

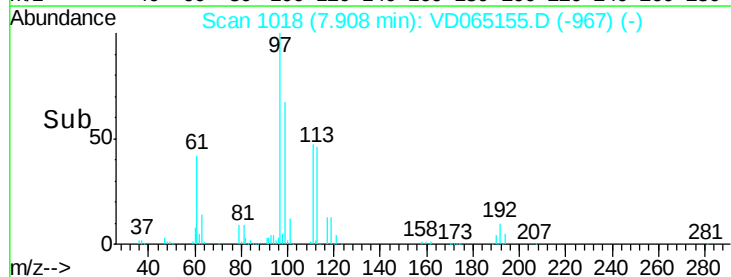
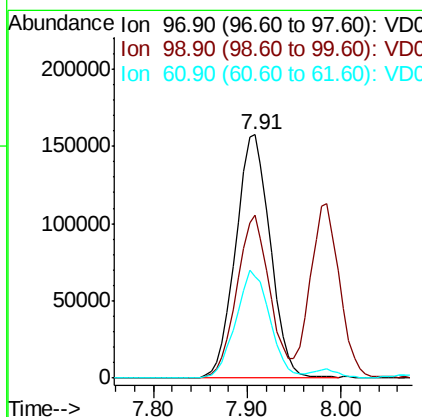
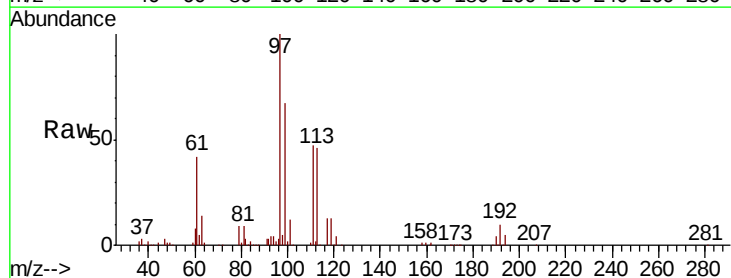
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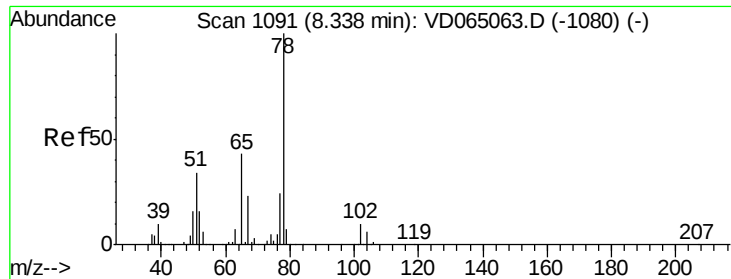
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 55.228 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.5	77.3
61	43.4	34.8	52.2





#33

1,2-Dichloroethane-d4

Concen: 57.767 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065155.D

Acq: 11 Feb 2020 20:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 230676

Ion Ratio Lower Upper

65 100

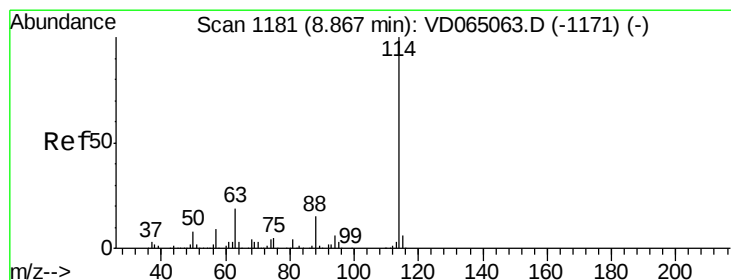
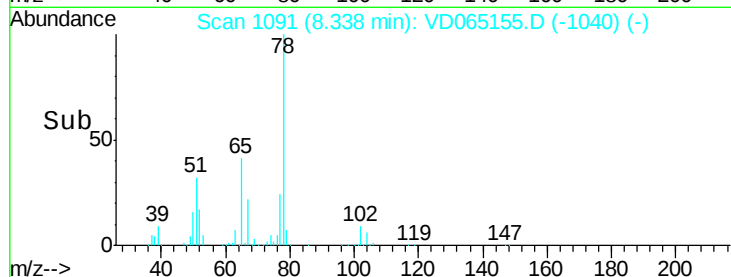
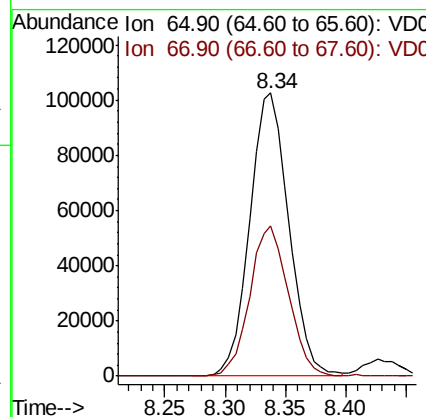
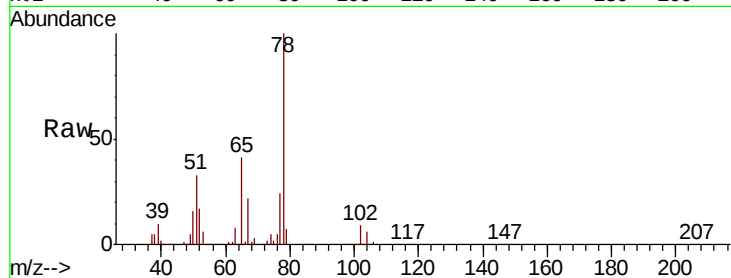
67 52.6 0.0 105.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065155.D

Acq: 11 Feb 2020 20:27

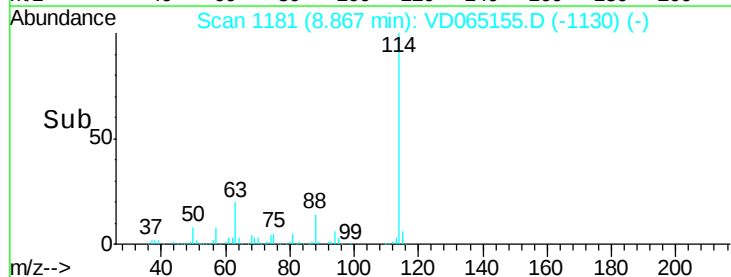
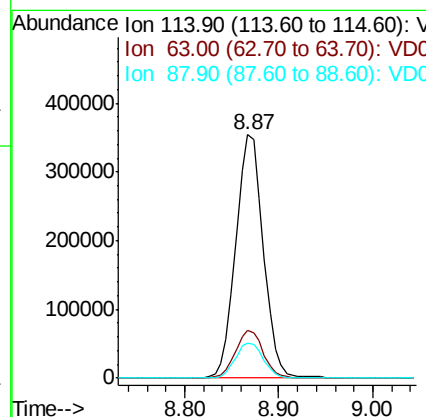
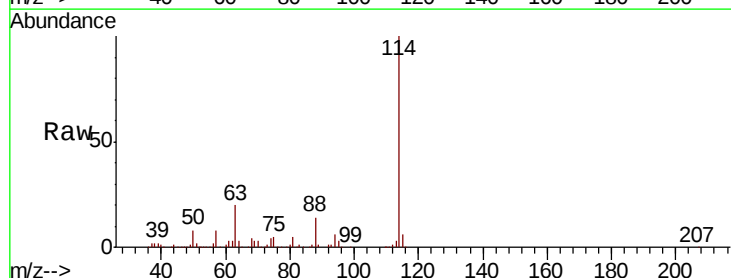
Tgt Ion: 114 Resp: 720756

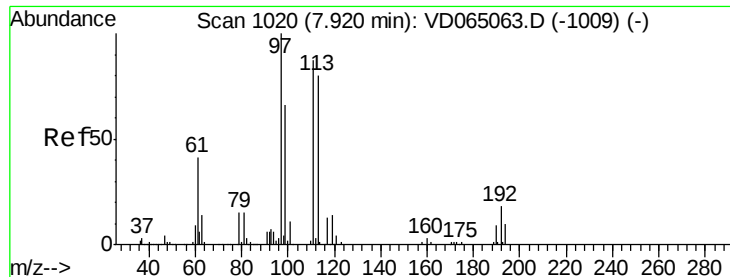
Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.8

88 14.4 0.0 29.6





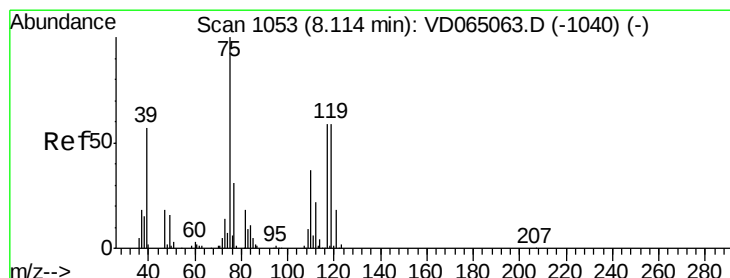
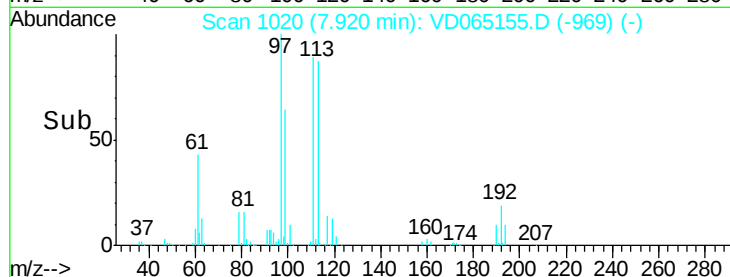
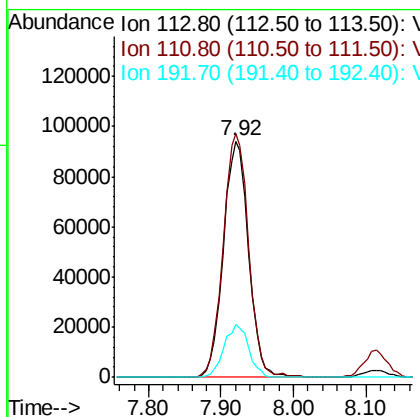
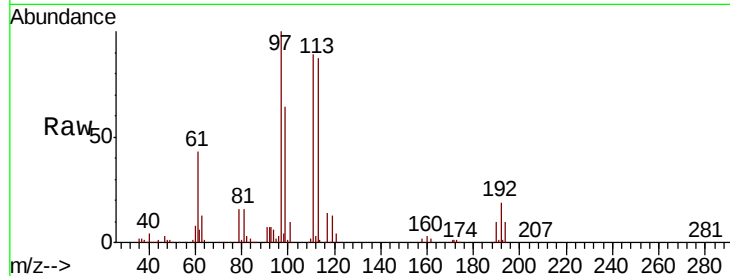
#35
 Dibromofluoromethane
 Concen: 56.426 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065155.D
 Acq: 11 Feb 2020 20:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.1	83.1	124.7
192	21.8	18.1	27.1

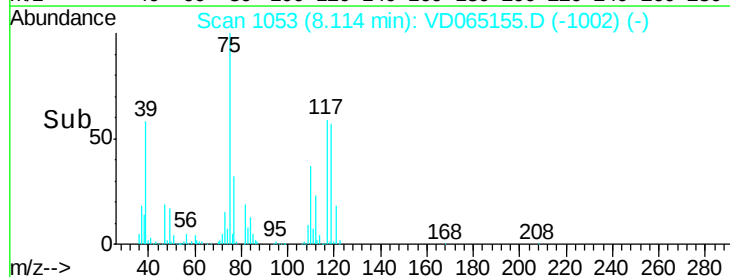
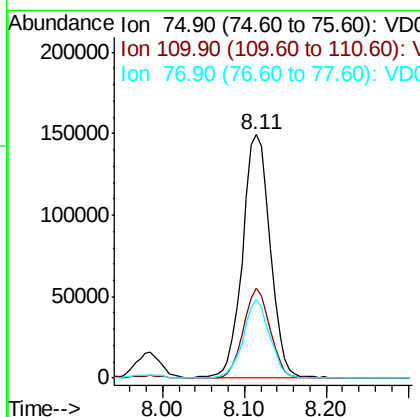
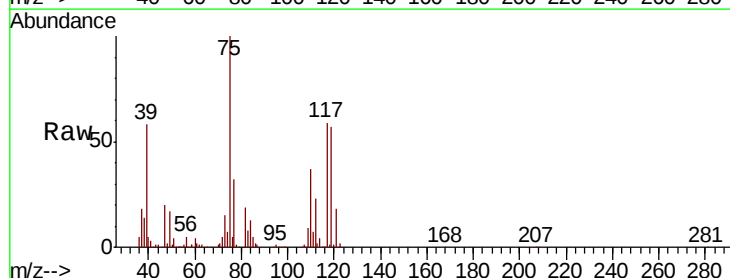
Manual Integrations
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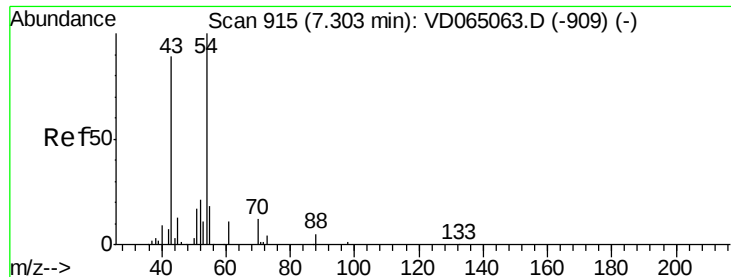
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 52.414 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065155.D
 Acq: 11 Feb 2020 20:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.8	18.1	54.3
77	31.0	24.7	37.1





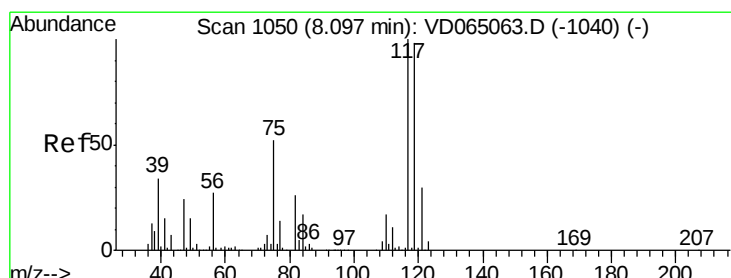
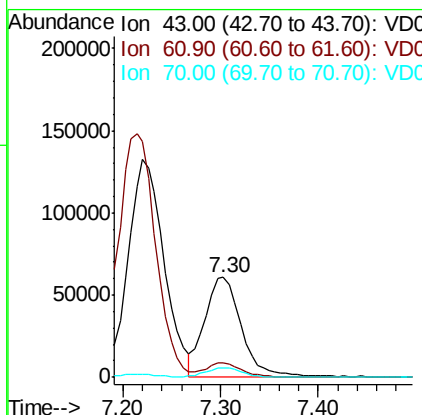
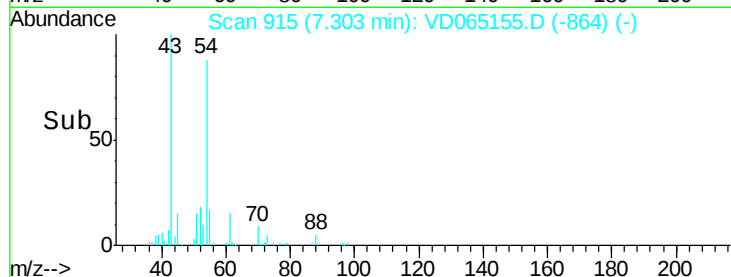
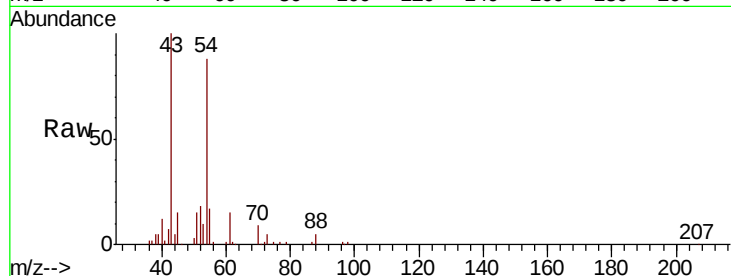
#37
Ethyl Acetate
Concen: 57.269 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.0	16.4
70	9.7	8.2	12.2

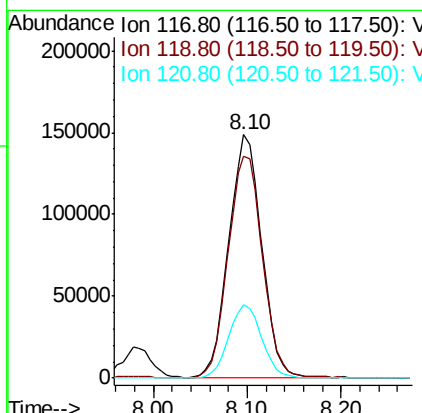
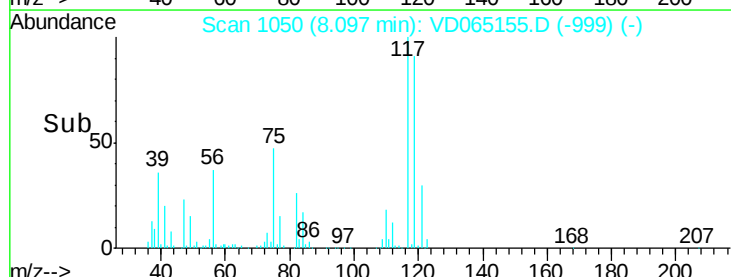
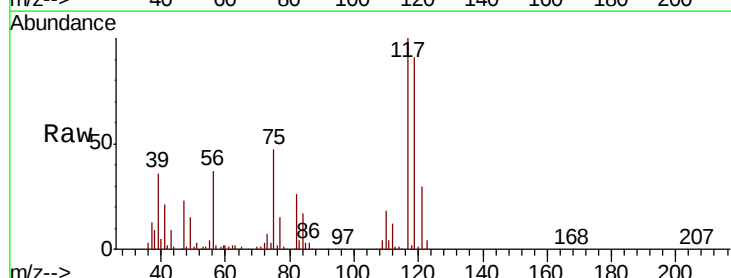
Manual Integrations
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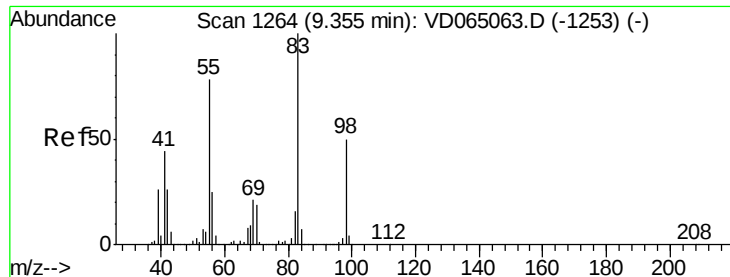
MMDadoda
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#38
Carbon Tetrachloride
Concen: 52.709 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.1	78.5	117.7
121	30.0	23.8	35.6





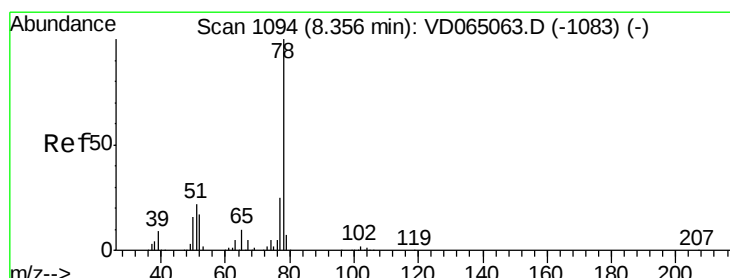
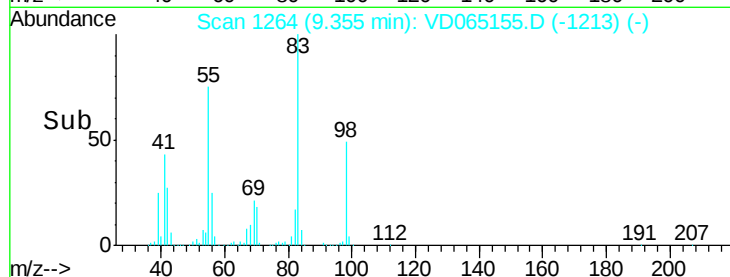
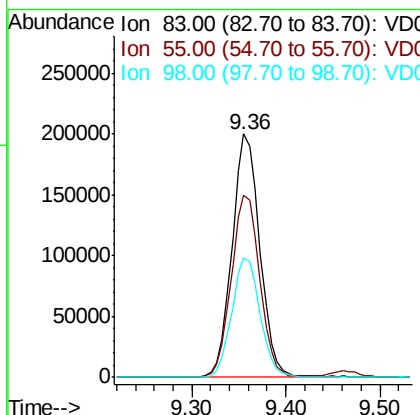
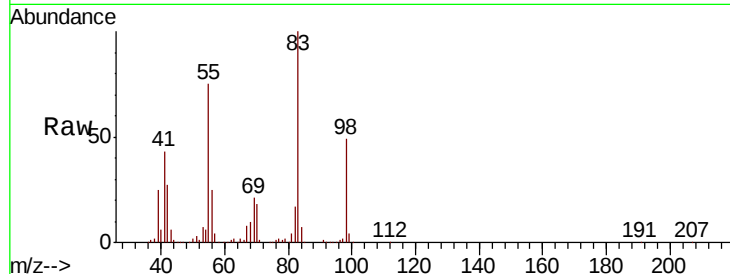
#39
Methvlcvclohexane
Concen: 49.650 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.8	62.0	93.0
98	49.0	39.9	59.9

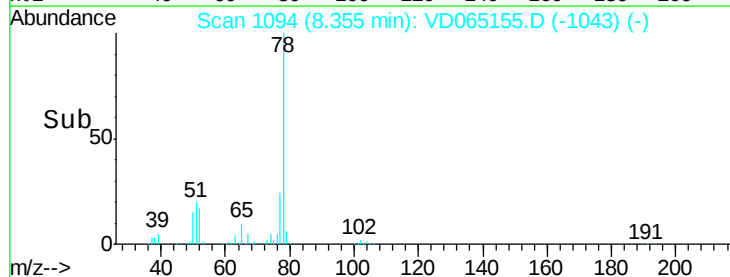
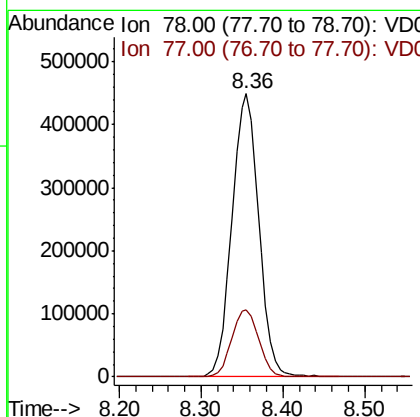
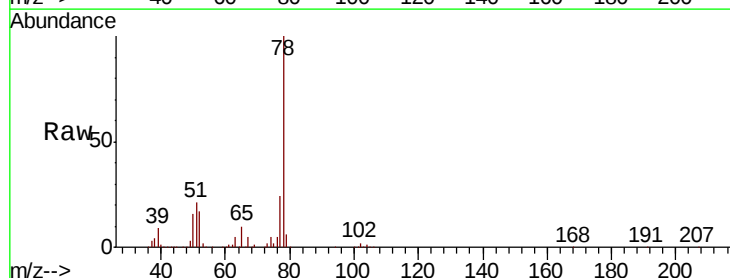
Manual Integrations
APPROVED

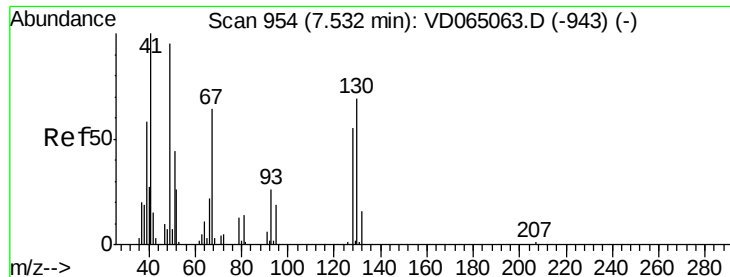
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#40
Benzene
Concen: 55.265 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.6	29.4





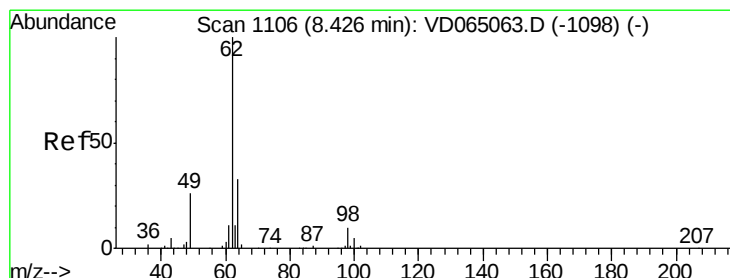
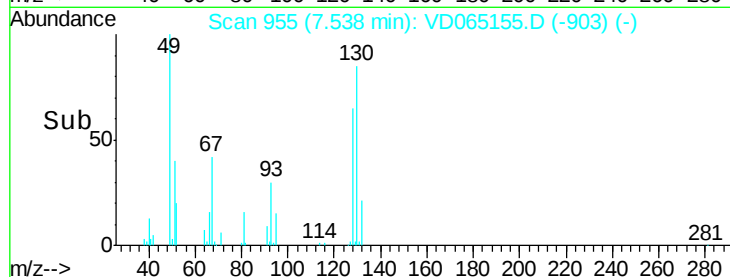
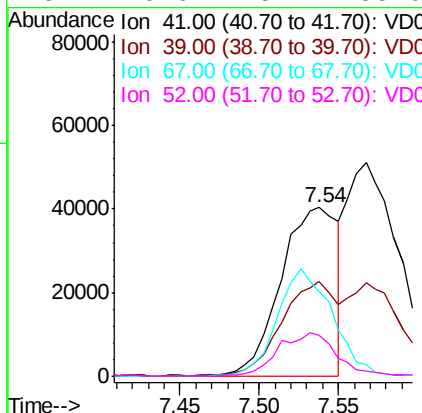
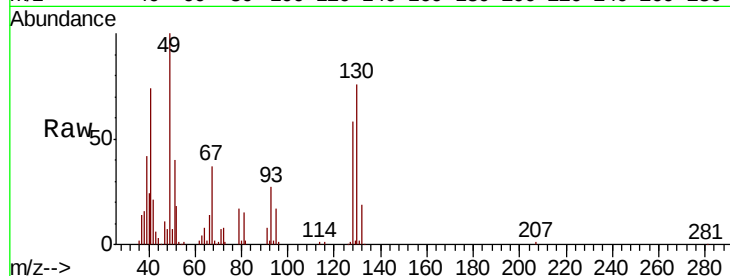
#41
Methacrylonitrile
Concen: 66.791 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.4	55.4	83.0#
67	62.0	59.0	88.6
52	26.6	25.4	38.0

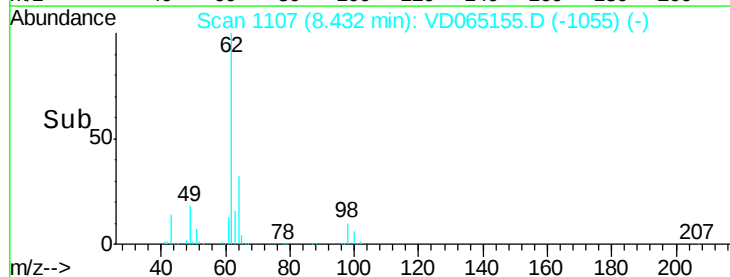
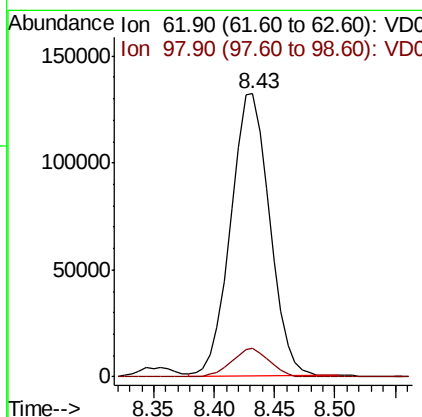
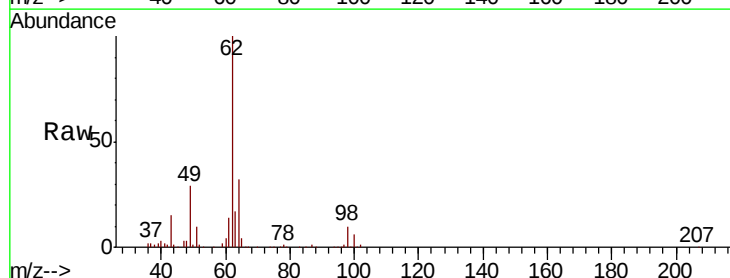
Manual Integrations
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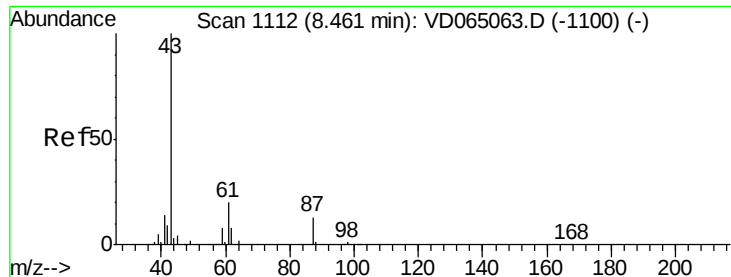
MMDadoda
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#42
1,2-Dichloroethane
Concen: 56.279 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	18.6





#43

Isopropyl Acetate

Concen: 57.156 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD065155.D

Acq: 11 Feb 2020 20:27

Instrument :

MSVOA_D

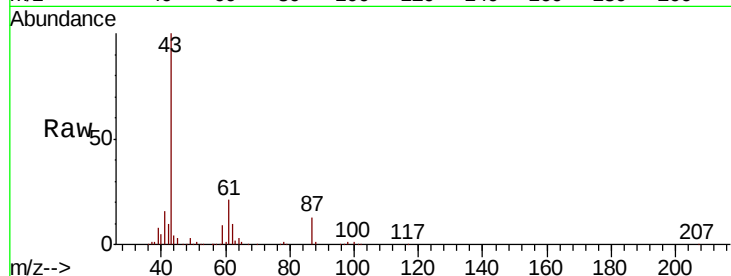
ClientSampleId :

VSTDCCC050EC

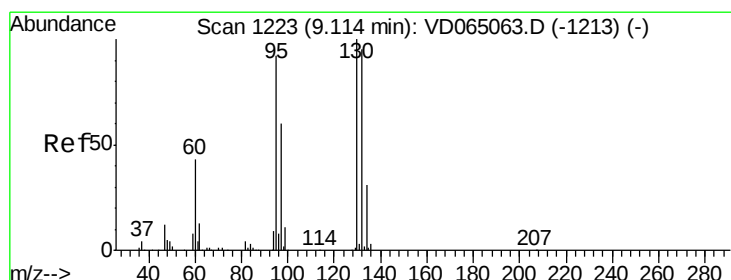
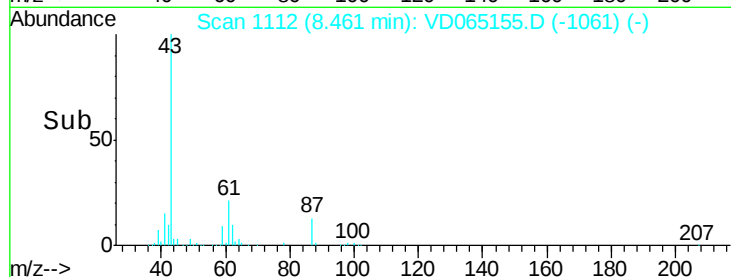
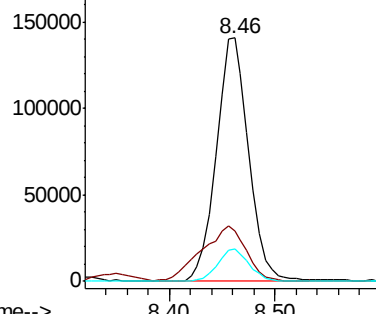
Tot Ion:	43	Resp:	299356
Ion Ratio		Lower	Upper
43	100		
61	31.4	24.0	36.0
87	12.9	10.2	15.4

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Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 52.606 ug/l

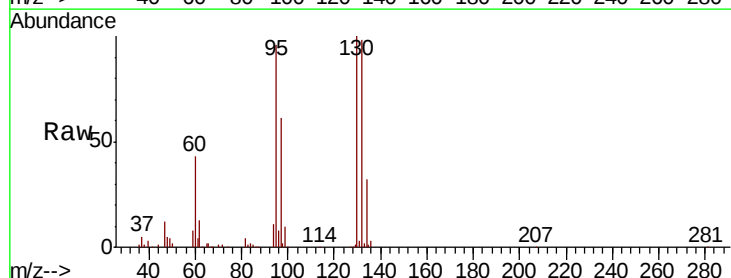
RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

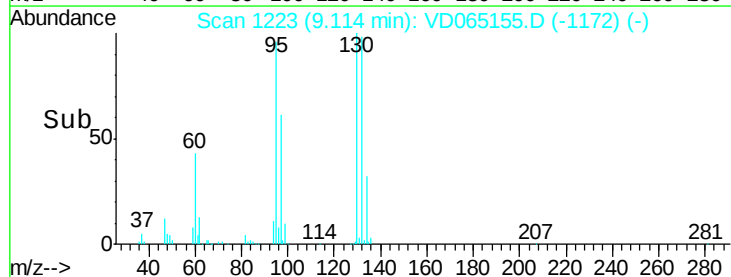
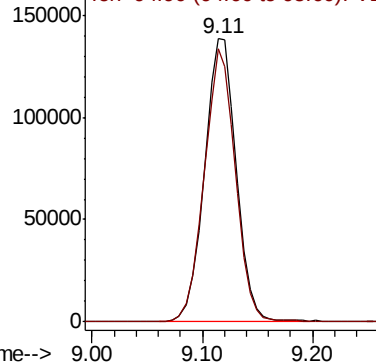
Lab File: VD065155.D

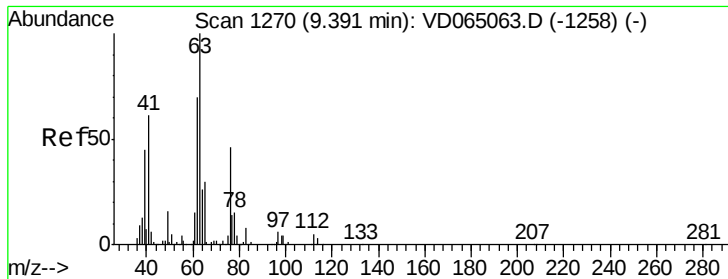
Acq: 11 Feb 2020 20:27

Tgt Ion:	130	Resp:	279454
Ion Ratio		Lower	Upper
130	100		
95	96.3	0.0	185.0



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 58.127 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065155.D

Acq: 11 Feb 2020 20:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 257928

Ion Ratio Lower Upper

63 100

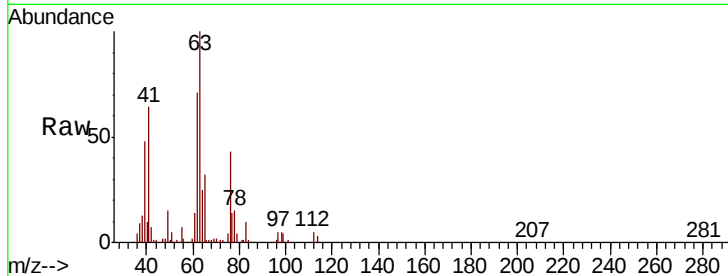
65 31.5 23.9 35.9

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

150000

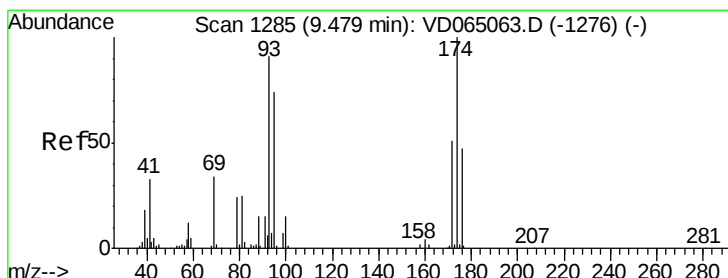
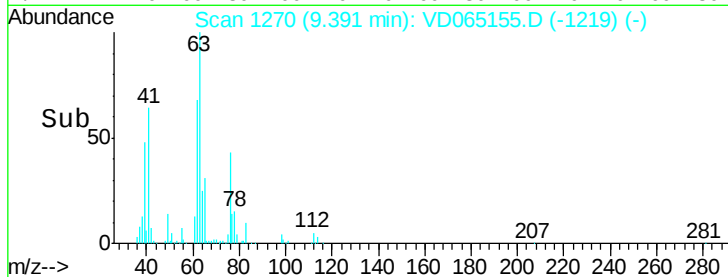
100000

50000

0

9.30 9.40 9.50

Time-->



#46

Dibromomethane

Concen: 59.015 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065155.D

Acq: 11 Feb 2020 20:27

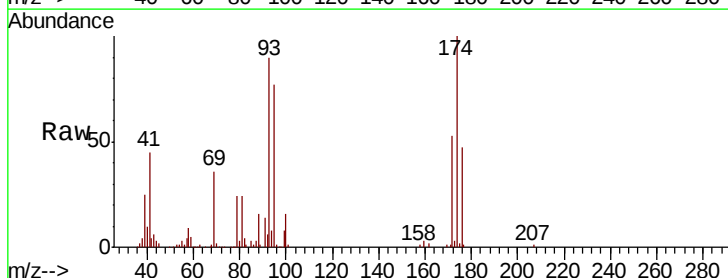
Tgt Ion: 93 Resp: 137606

Ion Ratio Lower Upper

93 100

95 82.6 66.5 99.7

174 110.6 89.8 134.8



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC

100000

80000

60000

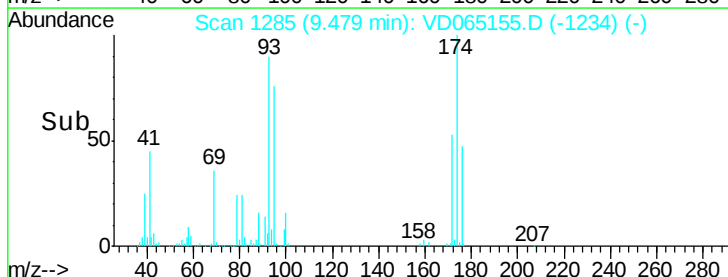
40000

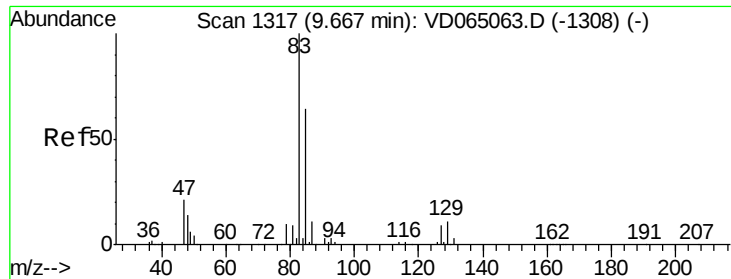
20000

0

9.40 9.50 9.60

Time-->





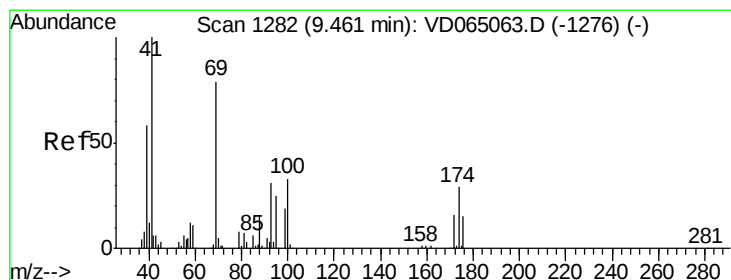
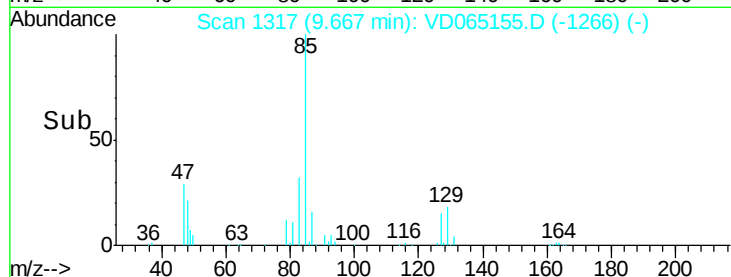
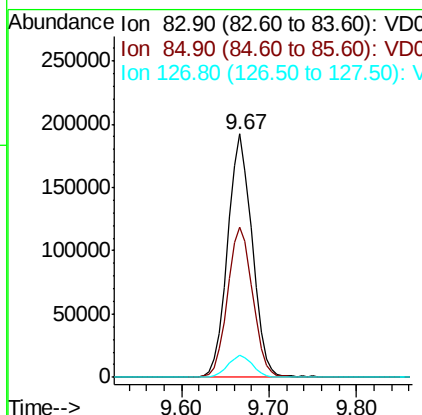
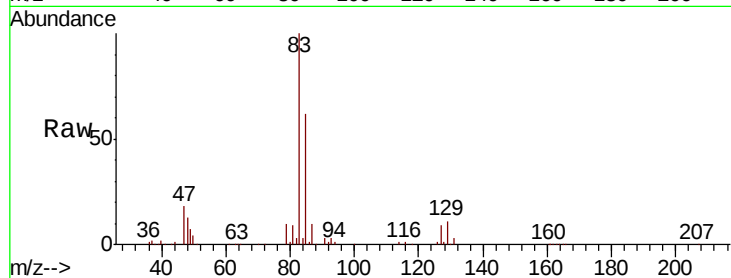
#47
Bromodichloromethane
Concen: 59.352 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	364645		
85	61.6	51.0	76.6	
127	8.9	7.3	10.9	

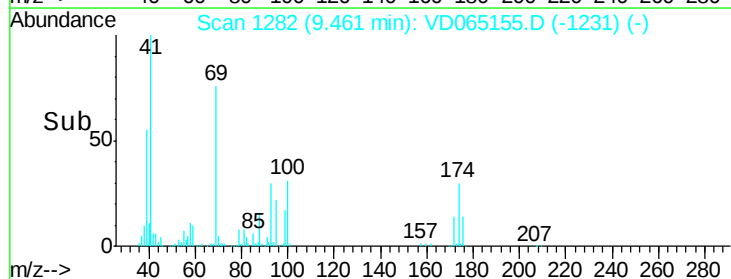
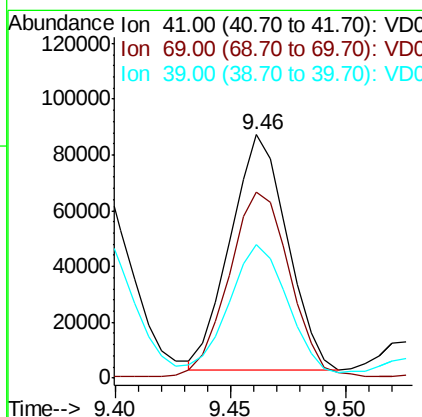
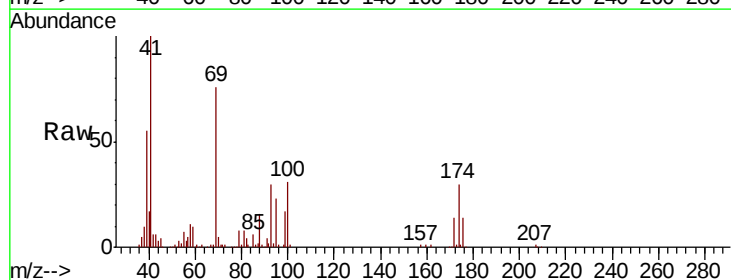
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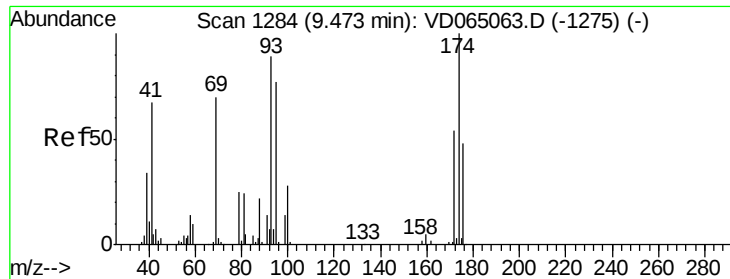
MMDadoda
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#48
Methyl methacrylate
Concen: 57.262 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	144319		
69	86.1	67.5	101.3	
39	60.5	47.0	70.4	





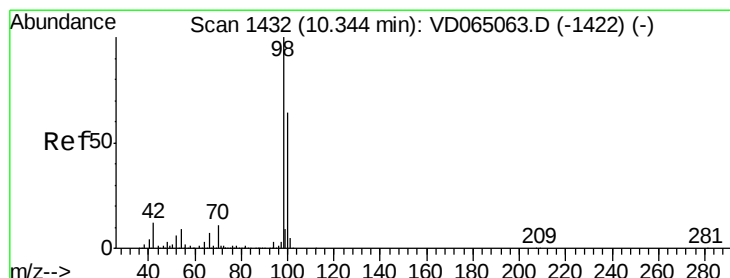
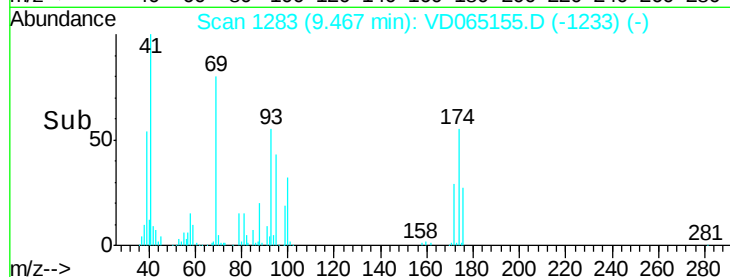
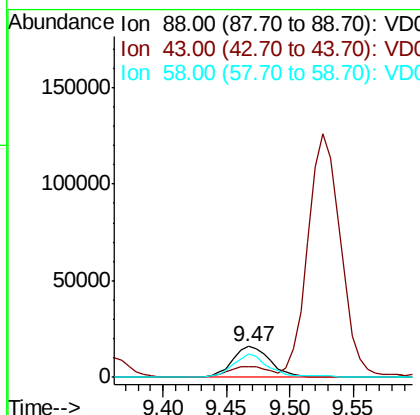
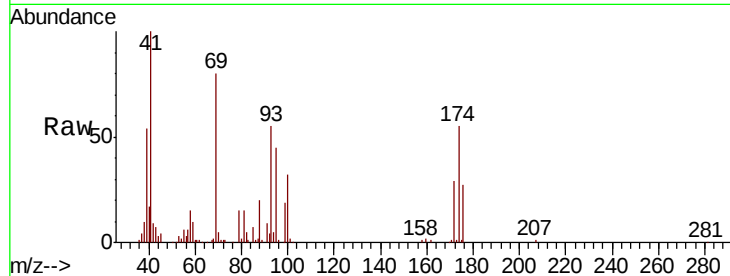
#49
1,4-Dioxane
Concen: 1199.899 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.01 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	33138
Ion Ratio	Lower	Upper	
88	100		
43	36.1	27.7	41.5
58	69.6	55.5	83.3

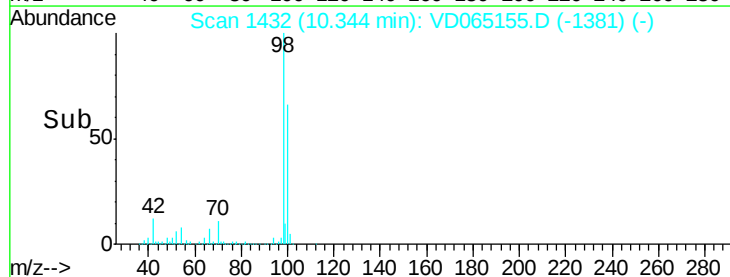
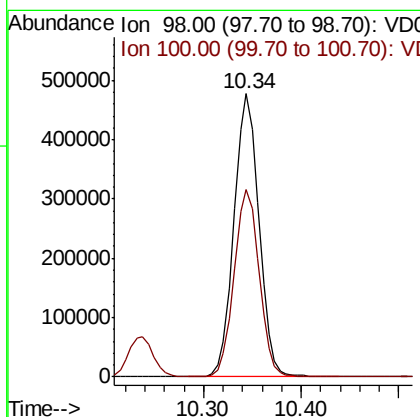
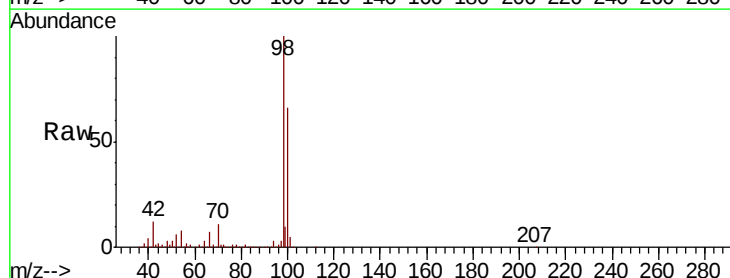
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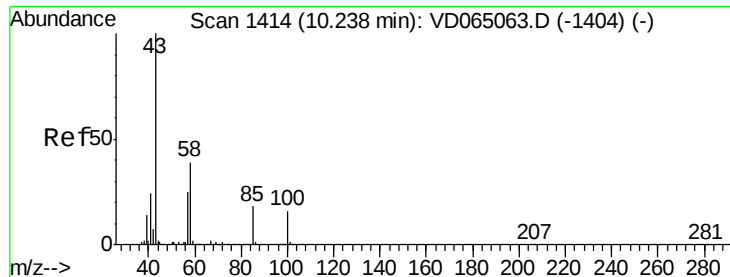
MMDadoda
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#50
Toluene-d8
Concen: 53.158 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Tgt Ion	98	Resp	850857
Ion Ratio	Lower	Upper	
98	100		
100	66.5	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 300.217 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065155.D

Acq: 11 Feb 2020 20:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 773966

Ion Ratio Lower Upper

43 100

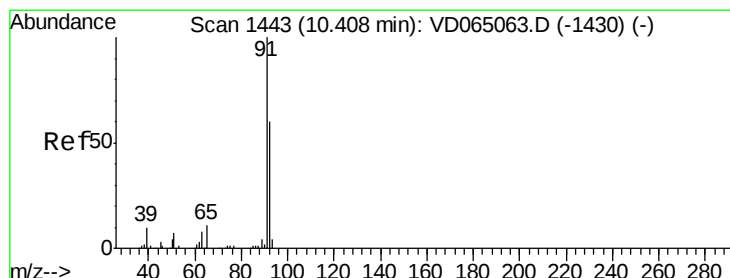
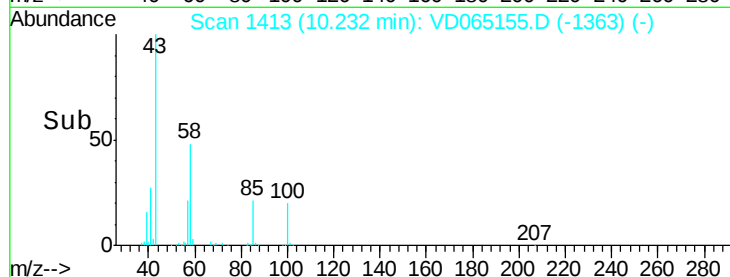
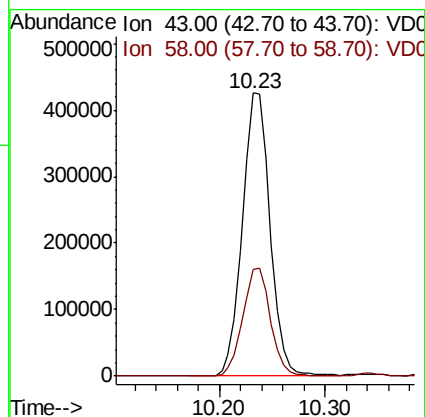
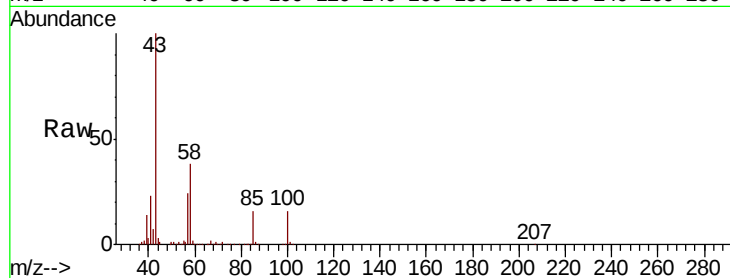
58 38.1 30.2 45.2

Manual Integrations

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#52

Toluene

Concen: 55.862 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065155.D

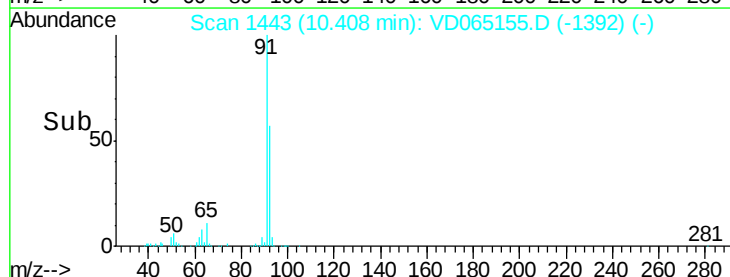
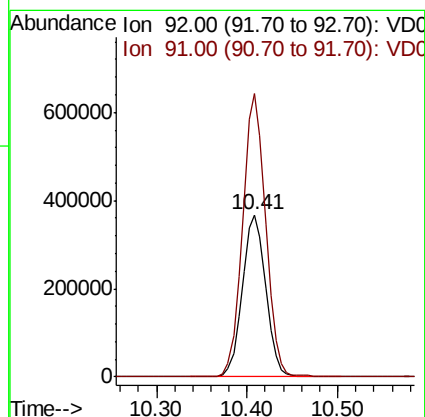
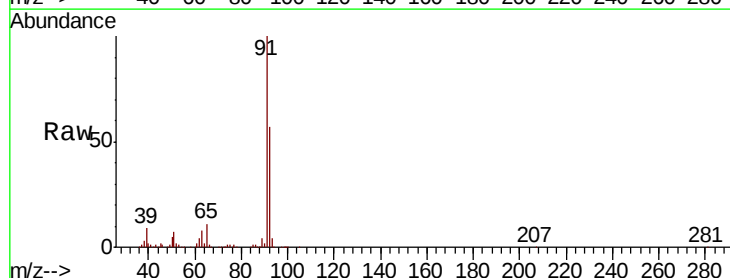
Acq: 11 Feb 2020 20:27

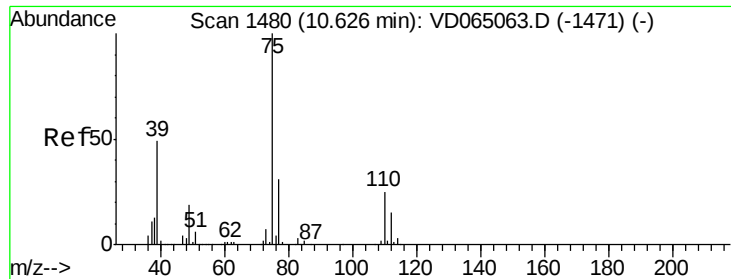
Tgt Ion: 92 Resp: 659848

Ion Ratio Lower Upper

92 100

91 172.2 135.3 202.9





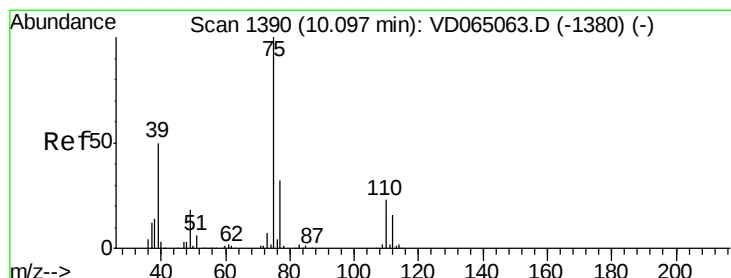
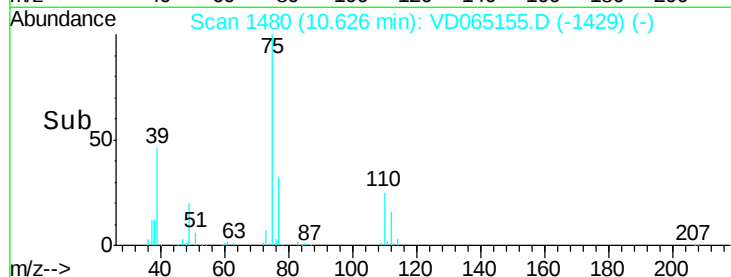
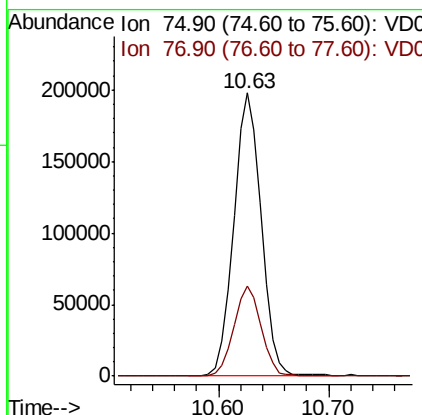
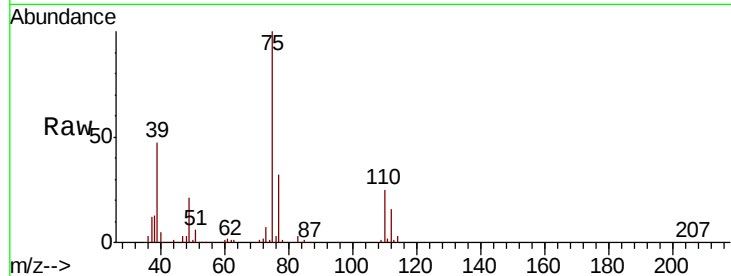
#53
t-1,3-Dichloropropene
Concen: 57.656 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 344886
Ion Ratio Lower Upper
75 100
77 31.7 24.9 37.3

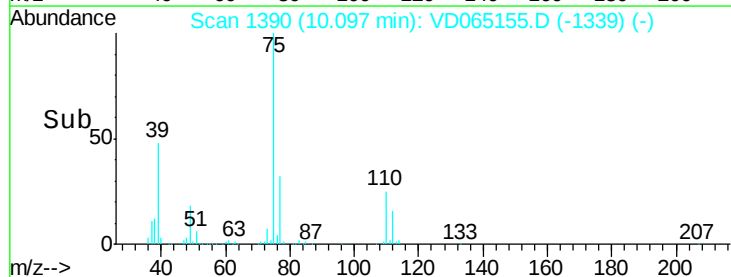
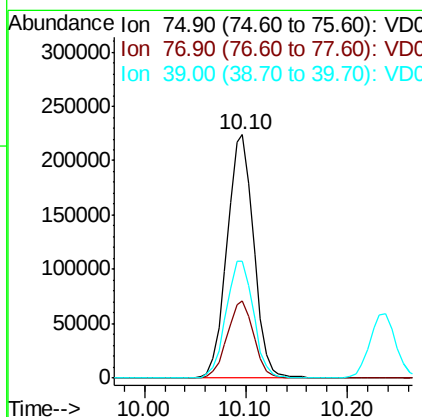
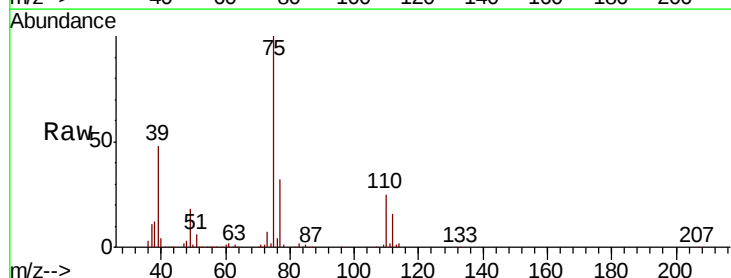
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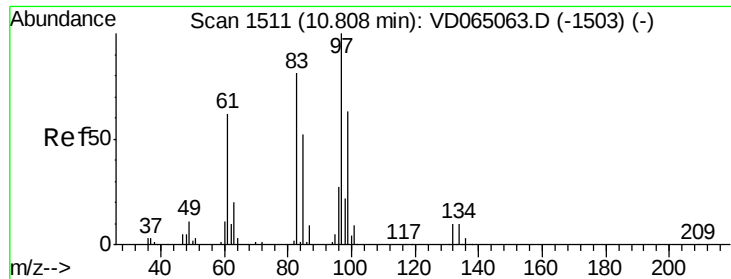
MMDadoda
2/12/2020 3:12:37 PM



#54
cis-1,3-Dichloropropene
Concen: 57.335 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Tgt Ion: 75 Resp: 410190
Ion Ratio Lower Upper
75 100
77 31.6 25.3 37.9
39 48.0 40.3 60.5





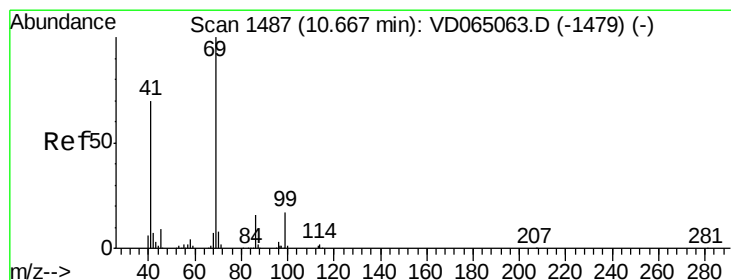
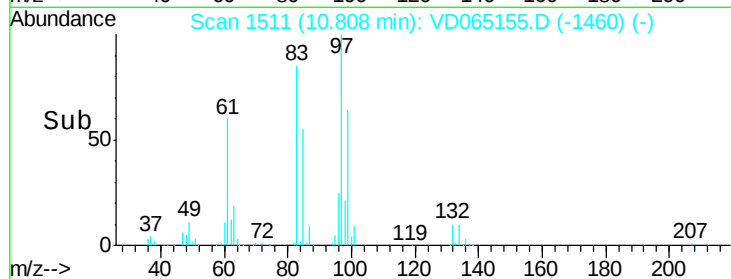
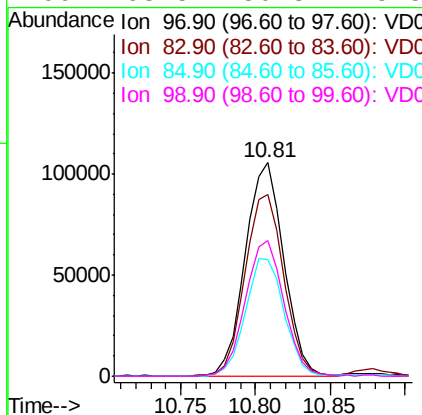
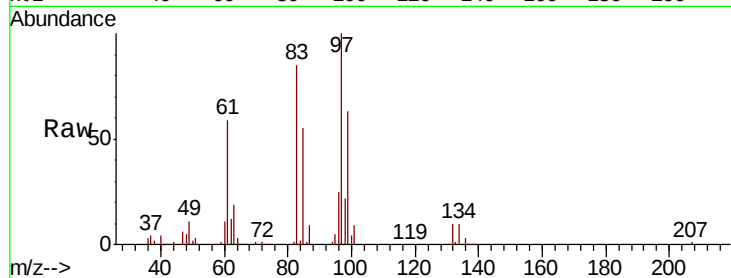
#55
 1,1,2-Trichloroethane
 Concen: 59.071 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065155.D
 Acq: 11 Feb 2020 20:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		188925		
83	84.9	64.8	97.2		
85	54.8	41.2	61.8		
99	63.5	50.3	75.5		

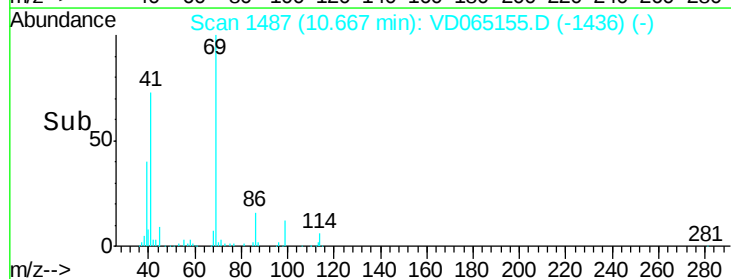
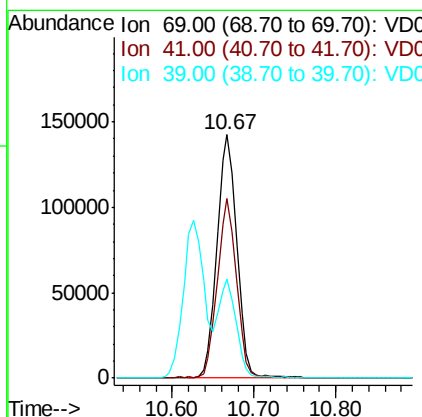
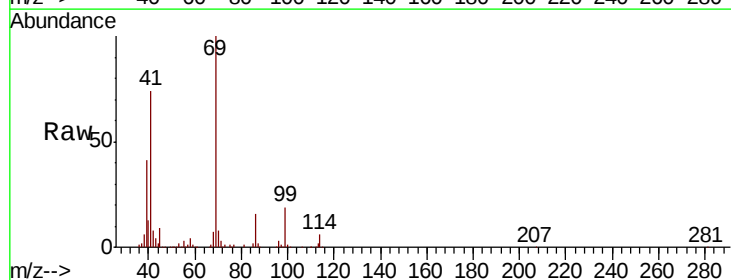
Manual Integrations
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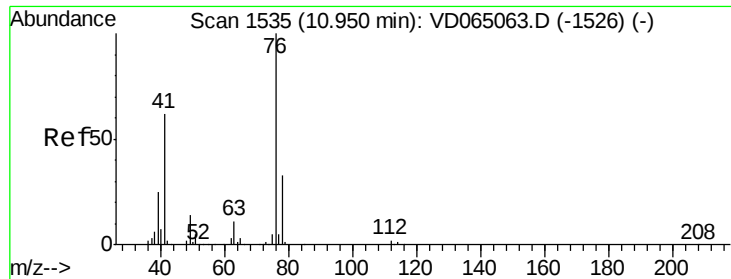
MMDadoda
 2/12/2020 3:12:37 PM



#56
 Ethyl methacrylate
 Concen: 59.854 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065155.D
 Acq: 11 Feb 2020 20:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		242212		
41	72.0	55.9	83.9		
39	35.3	29.4	44.0		





#57

1,3-Dichloropropane

Concen: 58.106 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065155.D

Acq: 11 Feb 2020 20:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 326781

Ion Ratio Lower Upper

76 100

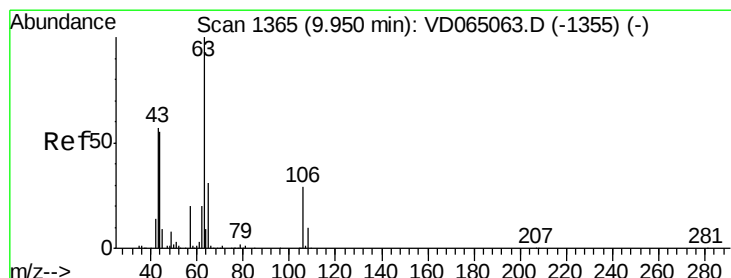
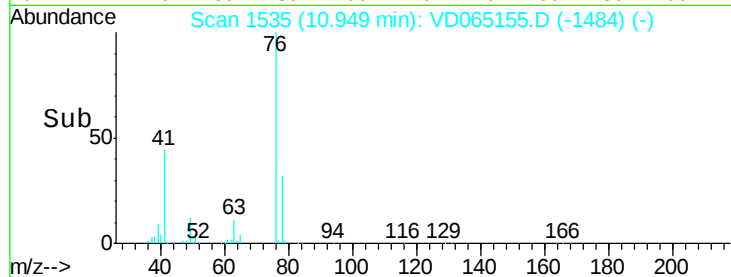
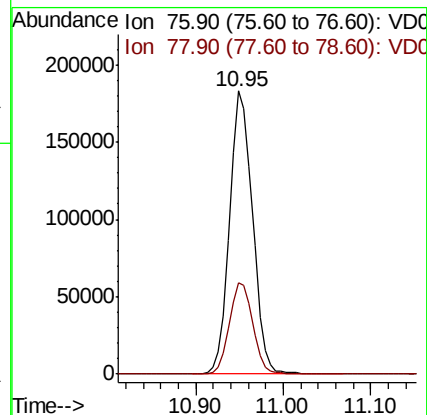
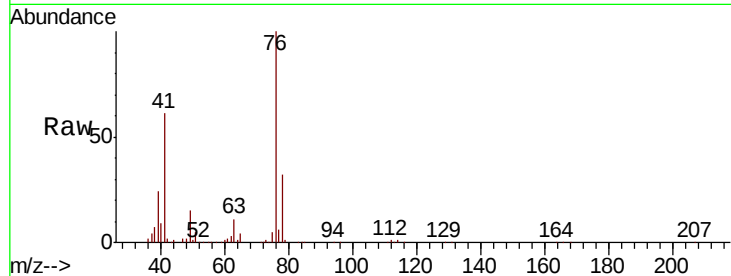
78 33.1 25.8 38.6

Manual Integrations

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2/12/2020 3:12:37 PM



#58

2-Chloroethyl Vinyl ether

Concen: 252.399 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065155.D

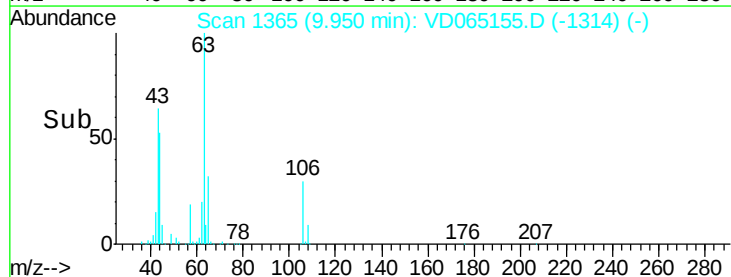
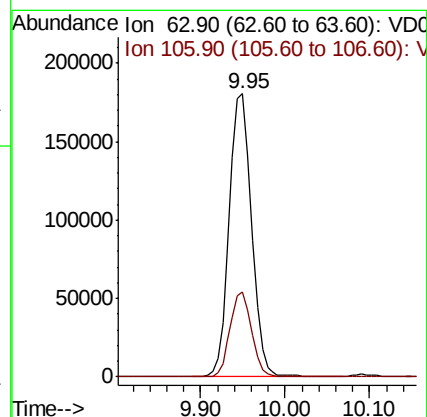
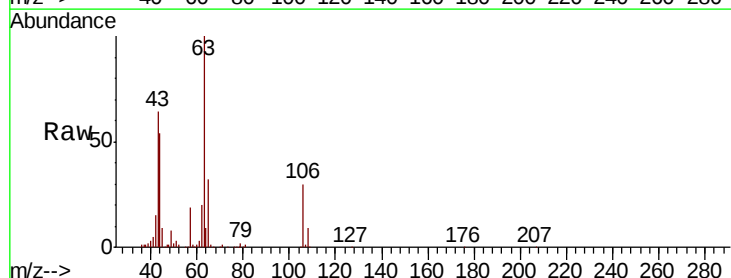
Acq: 11 Feb 2020 20:27

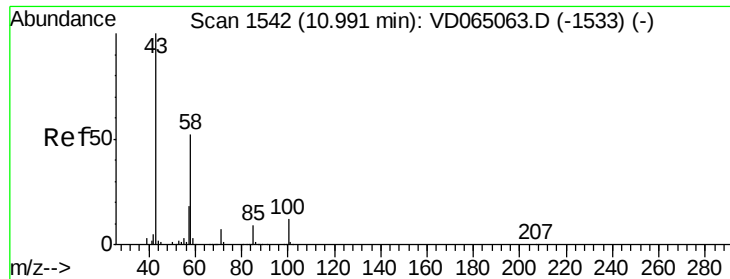
Tgt Ion: 63 Resp: 329768

Ion Ratio Lower Upper

63 100

106 28.7 23.3 34.9





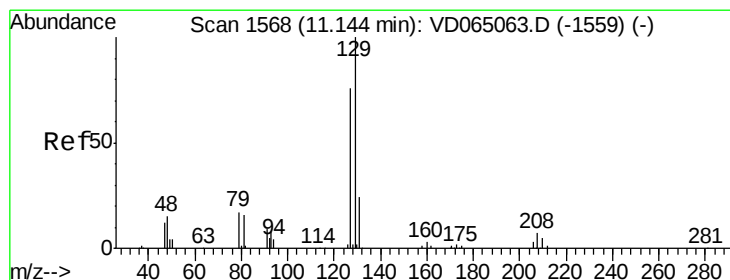
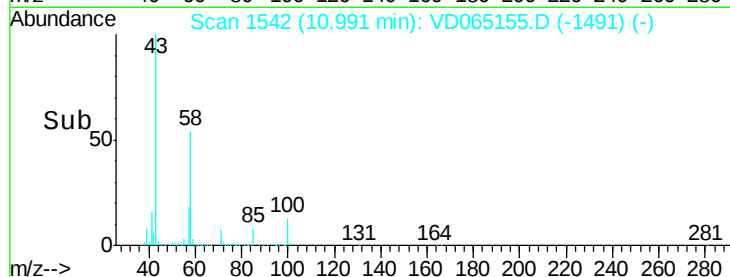
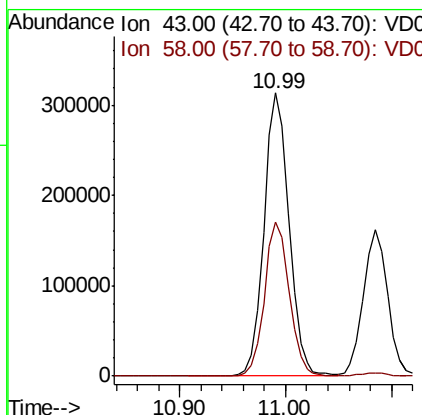
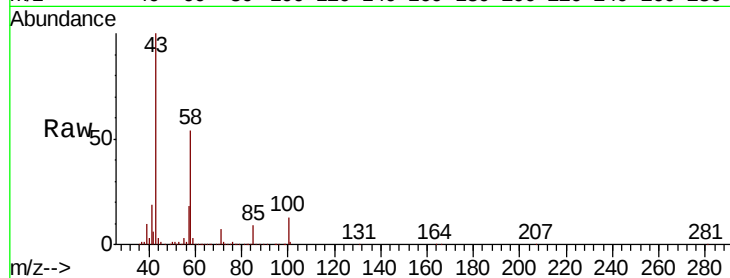
#59
2-Hexanone
Concen: 283.511 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.6	26.2	78.6

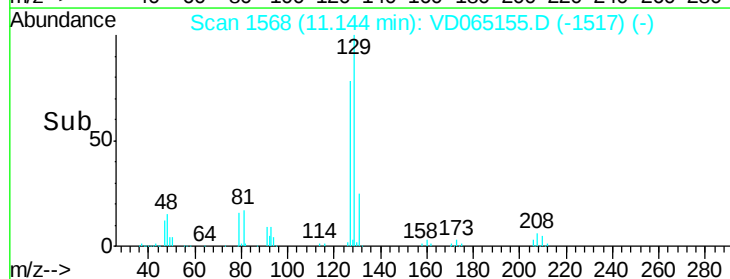
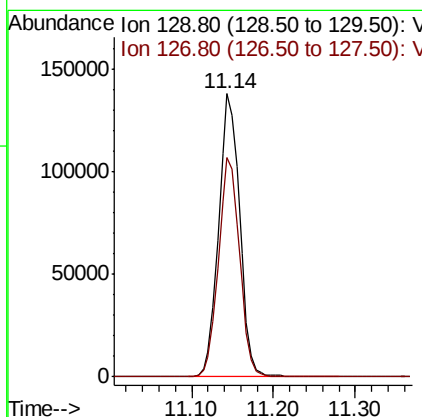
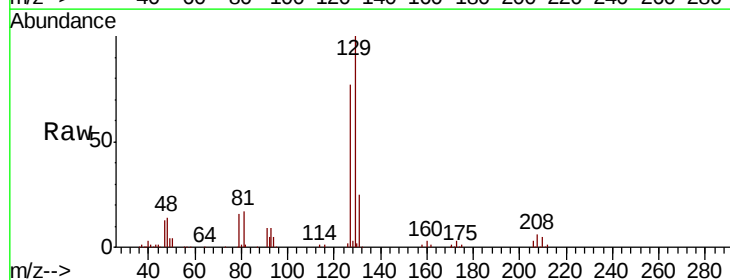
Manual Integrations
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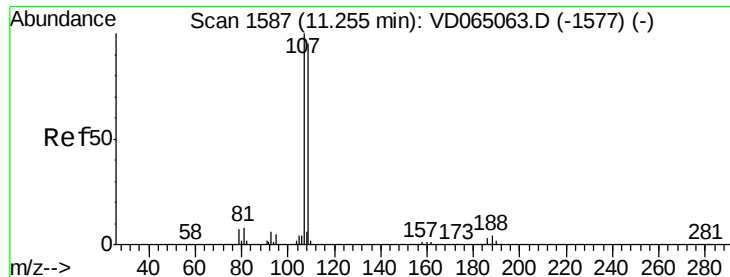
MMDadoda
2/12/2020 3:12:37 PM



#60
Dibromochloromethane
Concen: 59.825 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.3	114.9





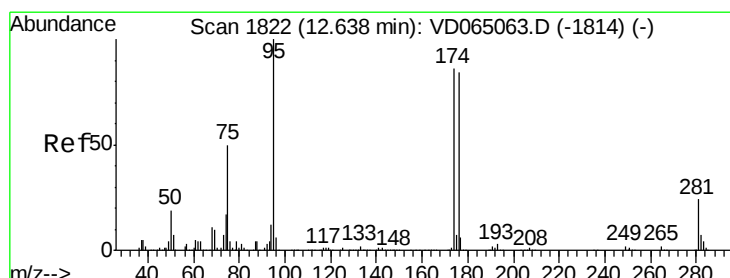
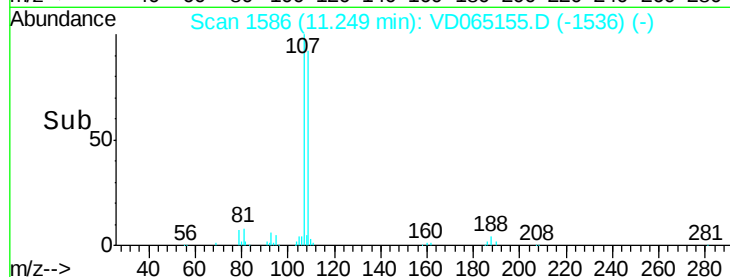
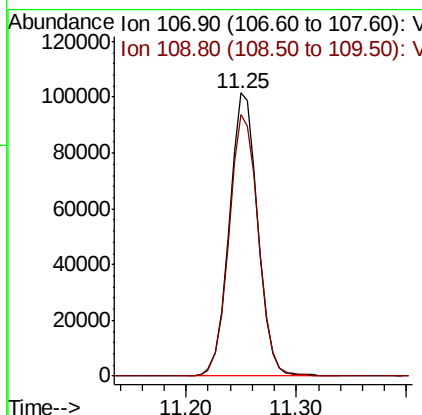
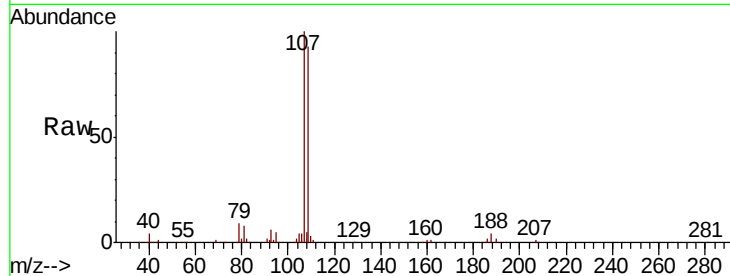
#61
 1,2-Dibromoethane
 Concen: 58.647 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: VD065155.D
 Acq: 11 Feb 2020 20:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	75.5	113.3

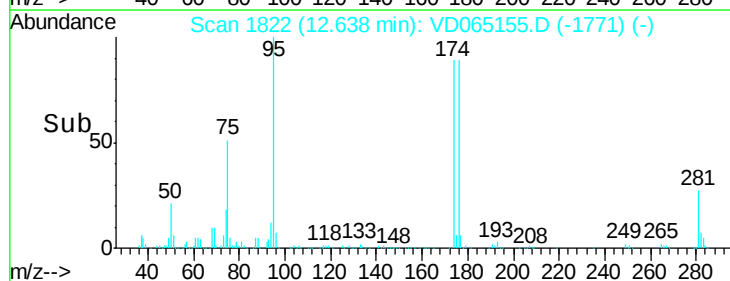
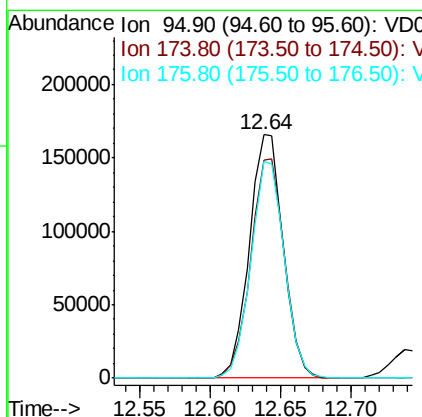
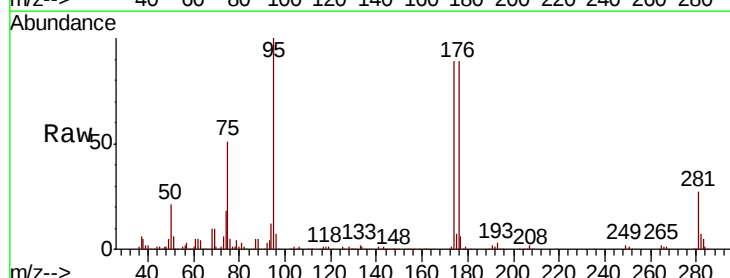
Manual Integrations
 APPROVED

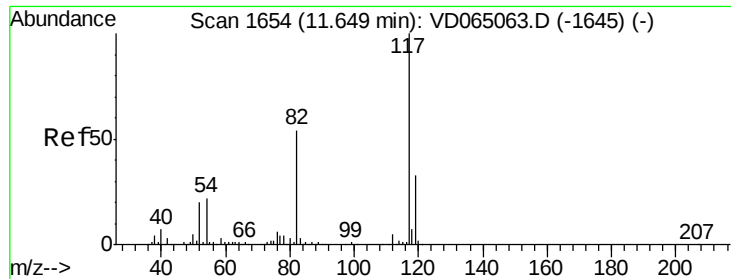
MMDadoda
 2/12/2020 3:12:37 PM



#62
 4-Bromofluorobenzene
 Concen: 55.073 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065155.D
 Acq: 11 Feb 2020 20:27

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.9	0.0	180.0
176	88.0	0.0	173.2





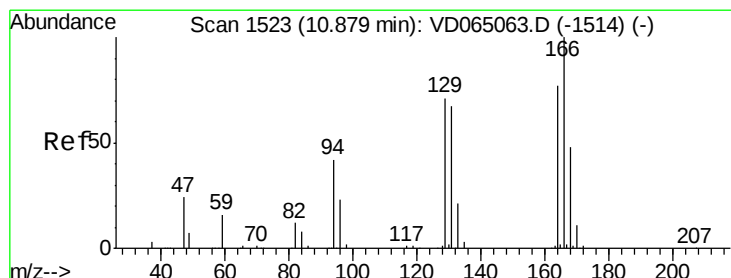
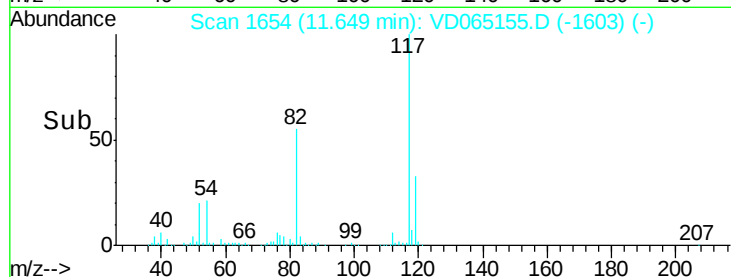
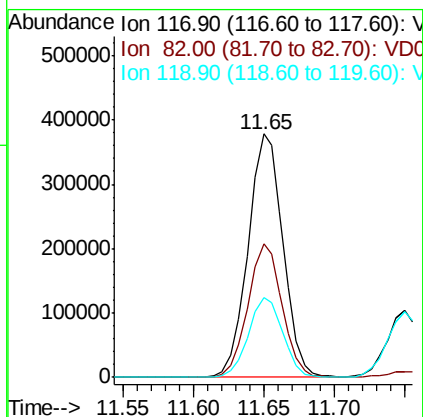
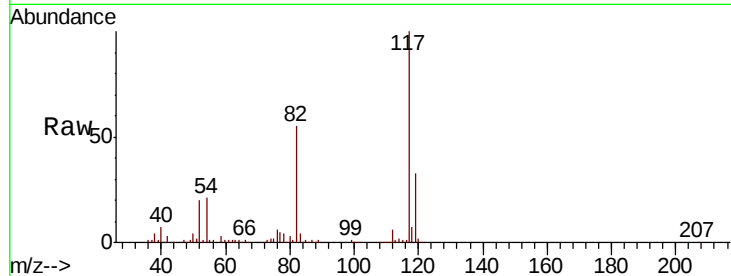
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	657127		
82	54.8		43.1	64.7
119	32.8		26.0	39.0

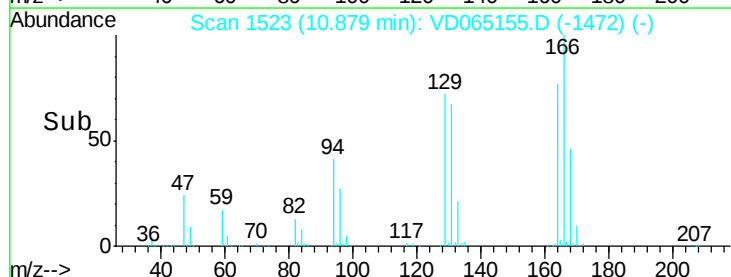
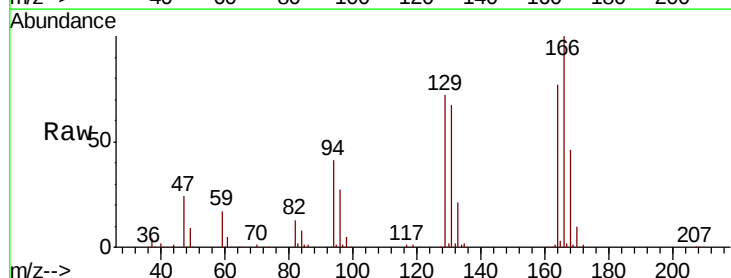
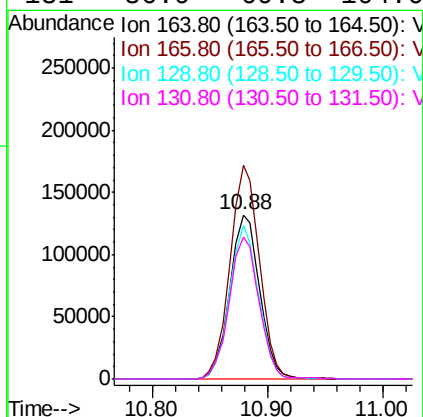
Manual Integrations
APPROVED

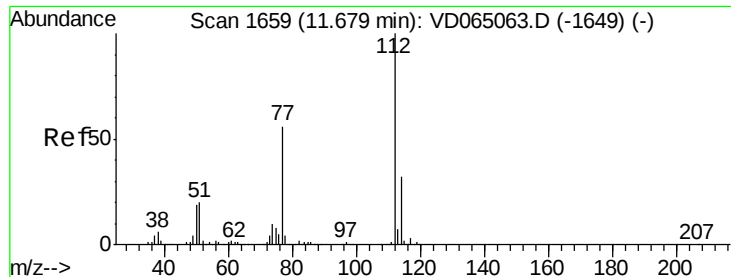
MMDadoda
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#64
Tetrachloroethene
Concen: 50.221 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	237135		
166	130.4		103.5	155.3
129	93.4		73.3	109.9
131	86.9		69.8	104.6





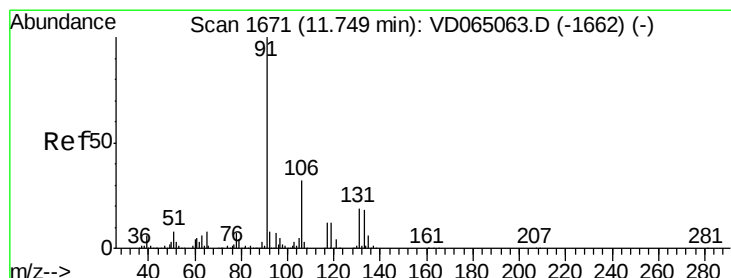
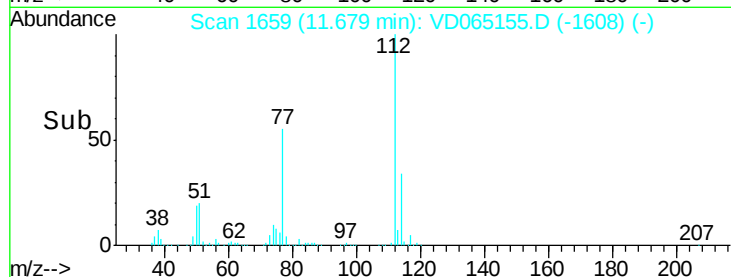
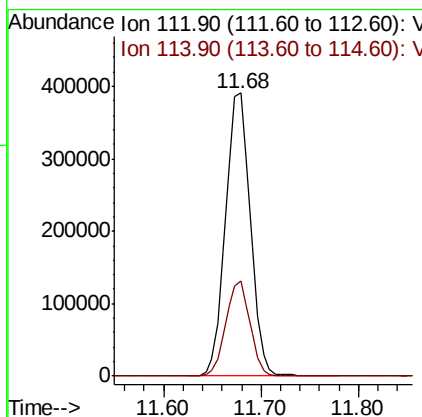
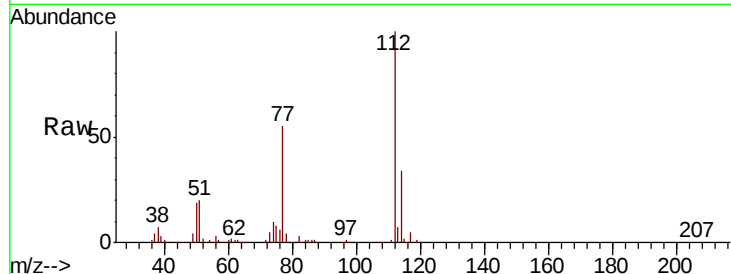
#65
Chlorobenzene
Concen: 54.484 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.6	25.4	38.0

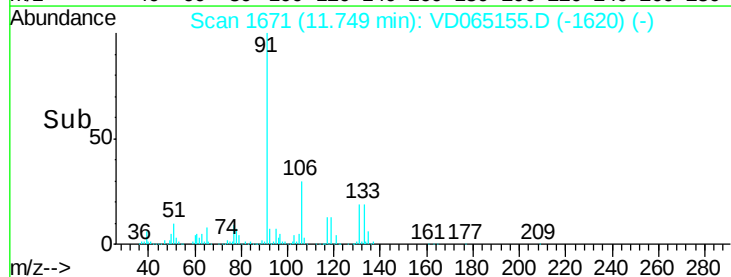
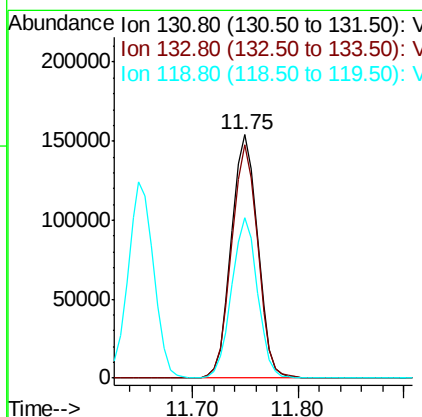
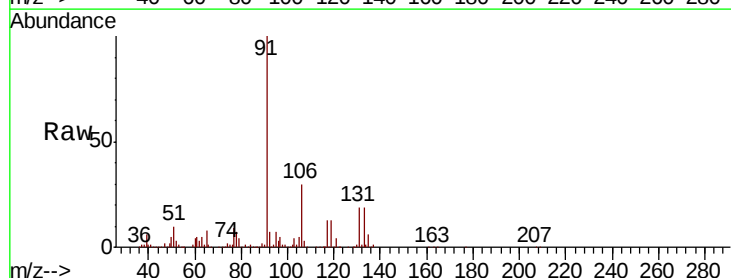
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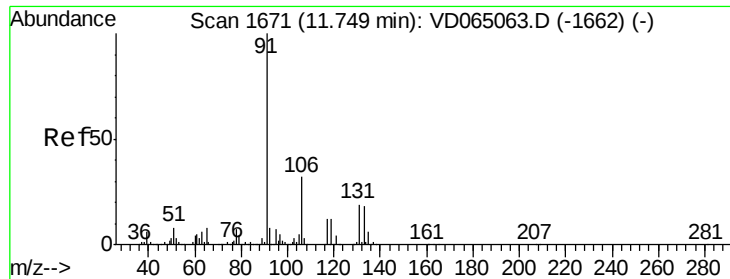
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#66
1,1,1,2-Tetrachloroethane
Concen: 56.795 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.7	143.1
119	64.6	31.3	93.8





#67

Ethyl Benzene

Concen: 54.100 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065155.D

Acq: 11 Feb 2020 20:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1249248

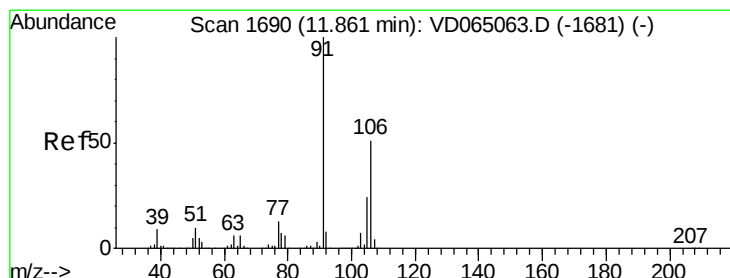
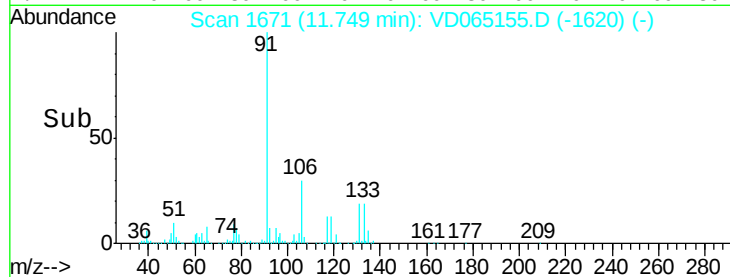
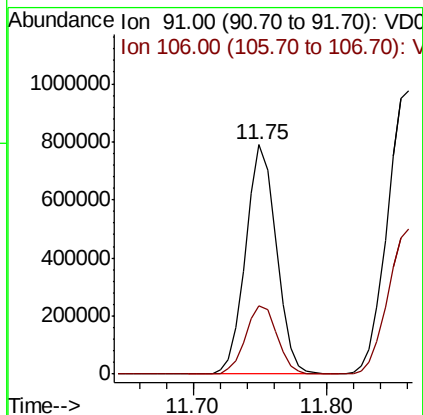
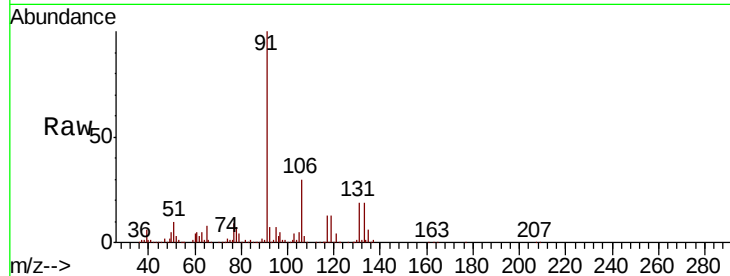
Ion Ratio Lower Upper

91 100

106 29.9 25.4 38.2

Manual Integrations
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#68

m/p-Xylenes

Concen: 108.545 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065155.D

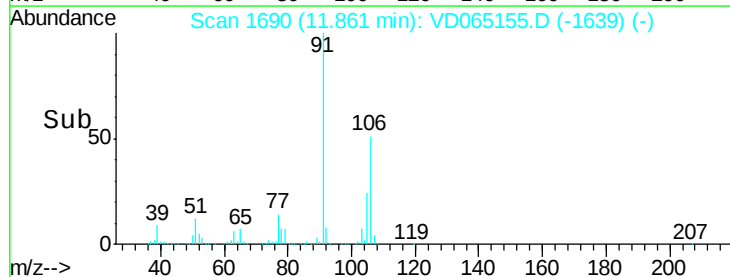
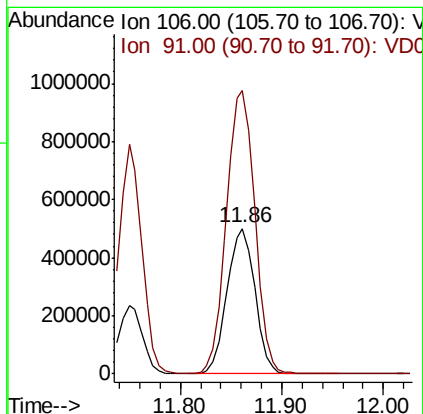
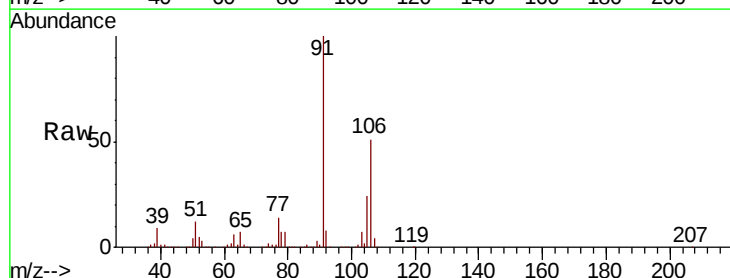
Acq: 11 Feb 2020 20:27

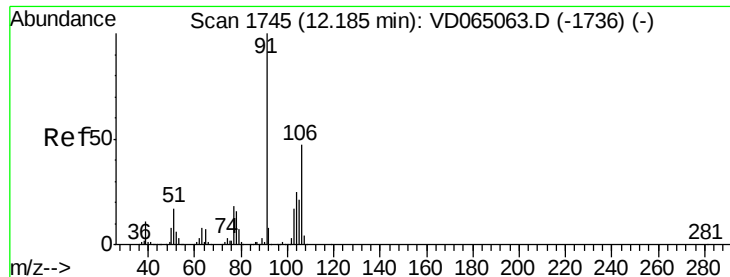
Tgt Ion: 106 Resp: 956646

Ion Ratio Lower Upper

106 100

91 198.8 158.9 238.3





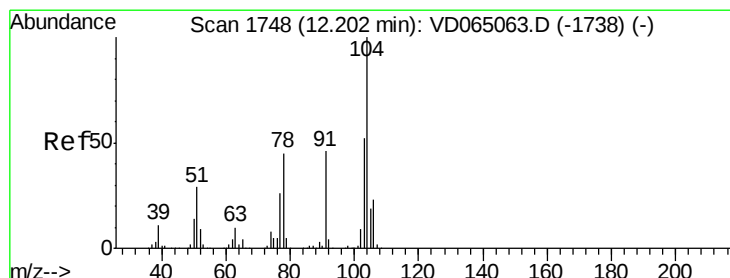
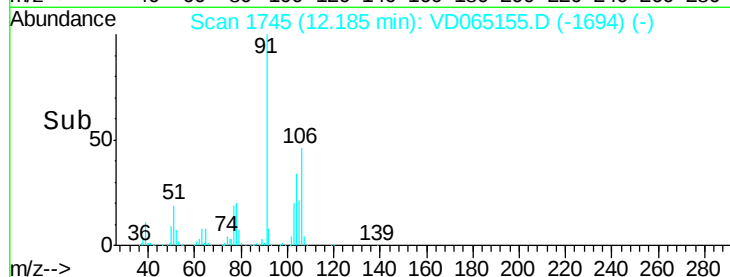
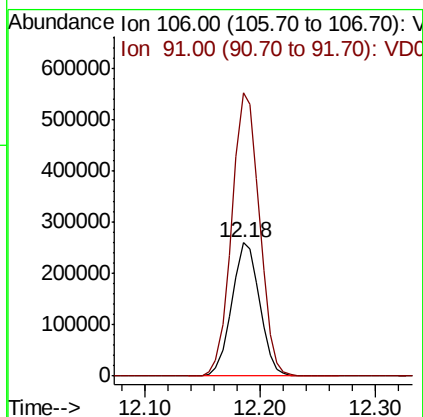
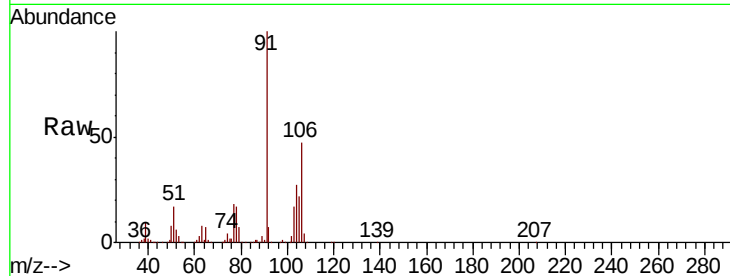
#69
o-Xylene
Concen: 54.756 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	211.7	104.7	313.9	

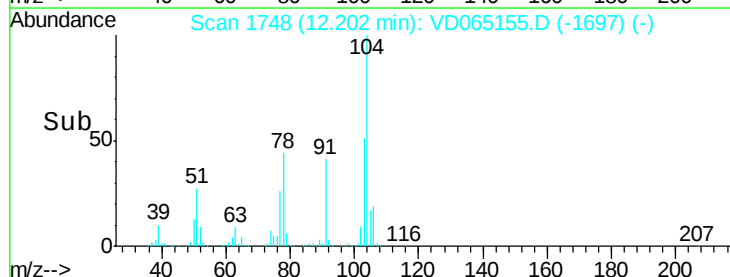
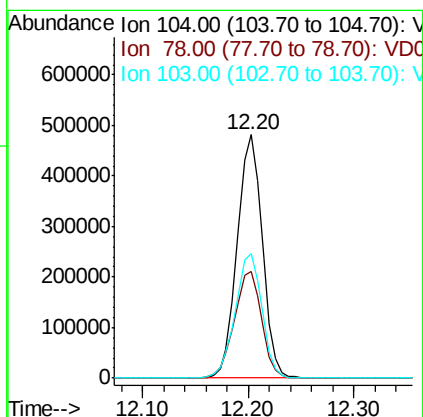
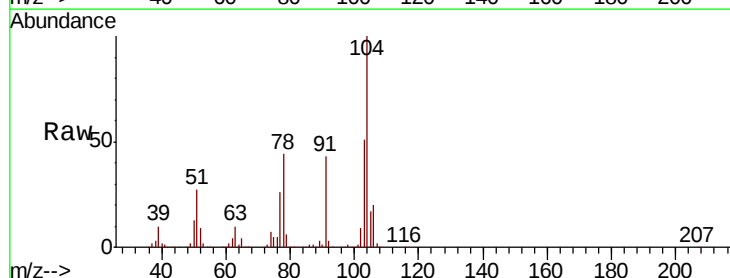
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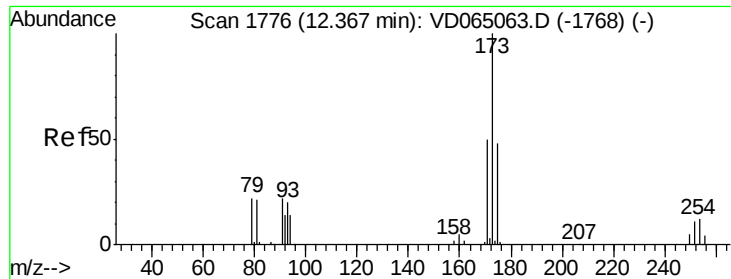
MMDadoda
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#70
Styrene
Concen: 57.237 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.5	38.5	57.7	
103	54.3	43.8	65.8	





#71

Bromoform

Concen: 57.650 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065155.D

Acq: 11 Feb 2020 20:27

Instrument :

MSVOA_D

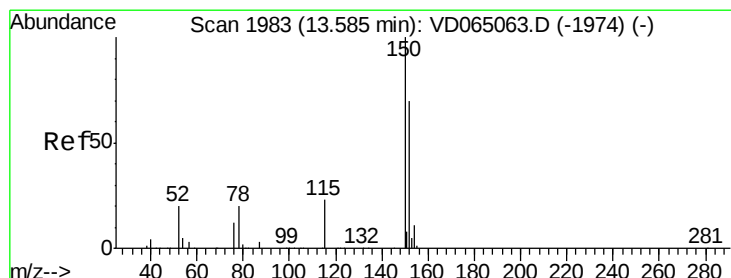
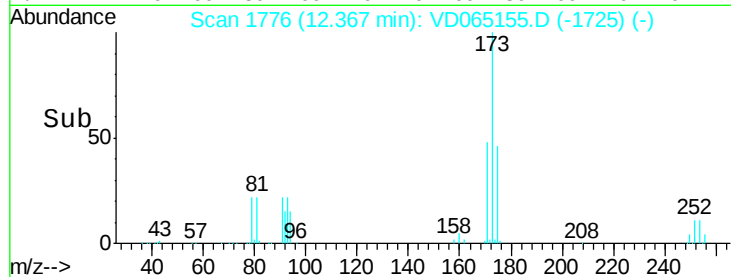
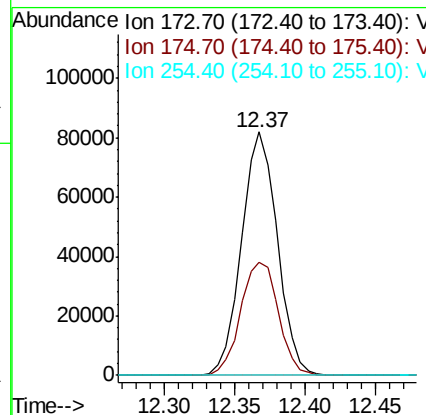
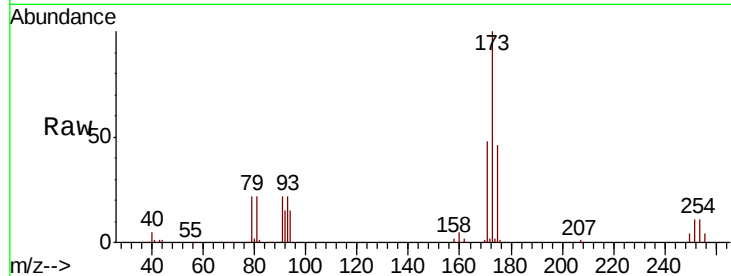
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.3	72.8
254	0.1	0.1	0.1

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

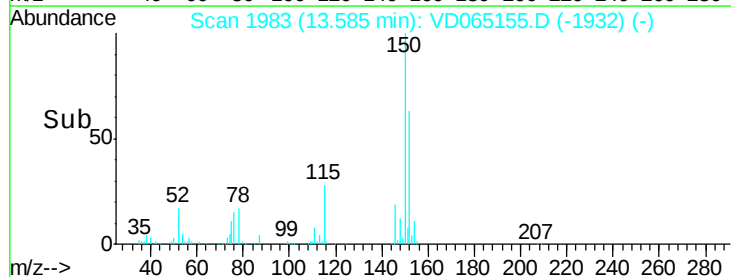
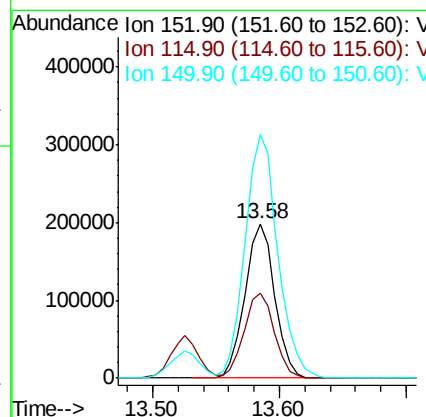
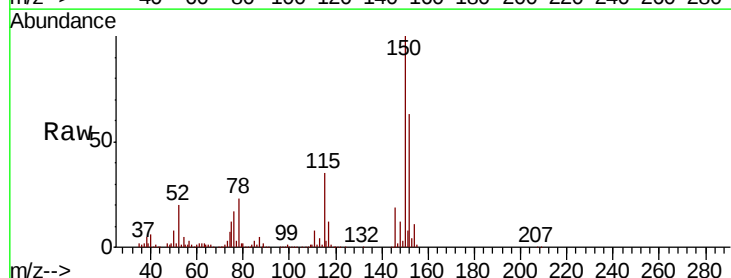
RT: 13.58 min Scan# 1983

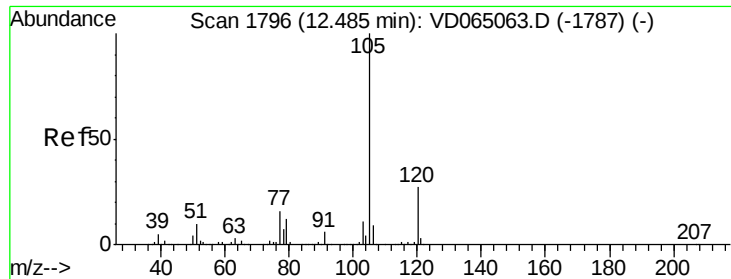
Delta R.T. -0.00 min

Lab File: VD065155.D

Acq: 11 Feb 2020 20:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.9	27.5	82.4
150	174.2	0.0	343.2





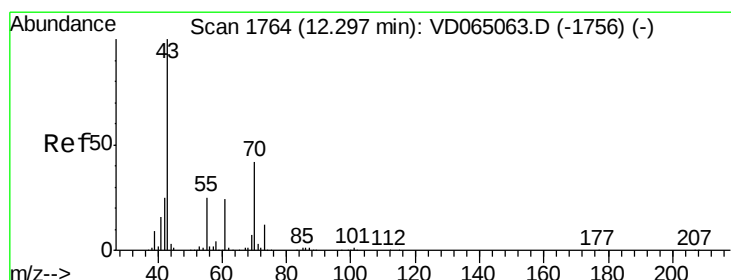
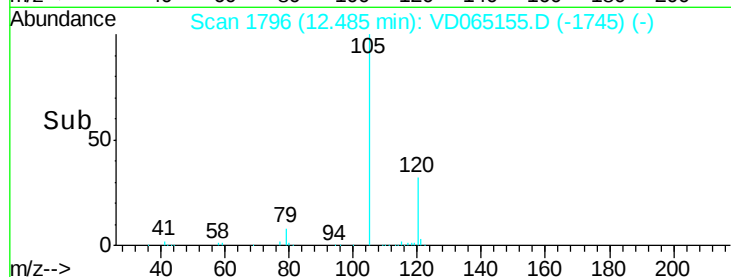
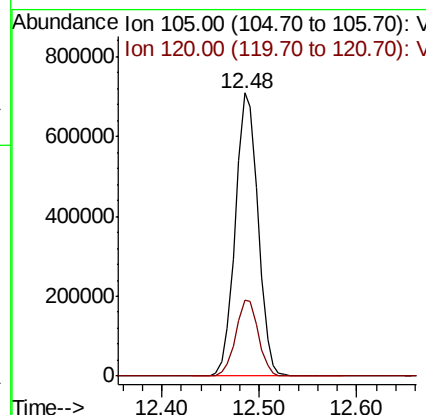
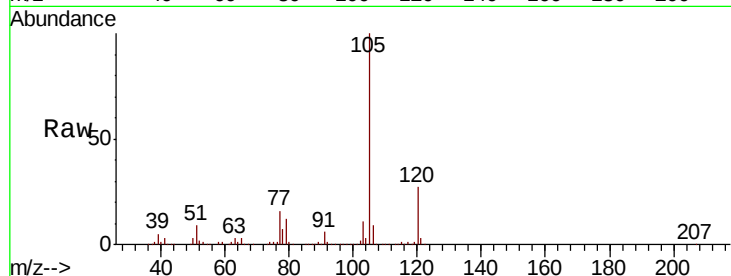
#73
Isopropylbenzene
Concen: 51.697 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:105 Resp: 1142055
Ion Ratio Lower Upper
105 100
120 26.8 13.3 39.9

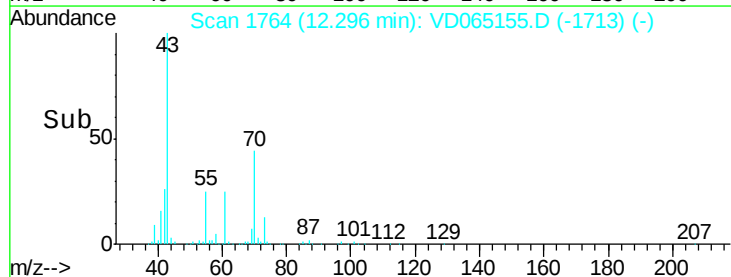
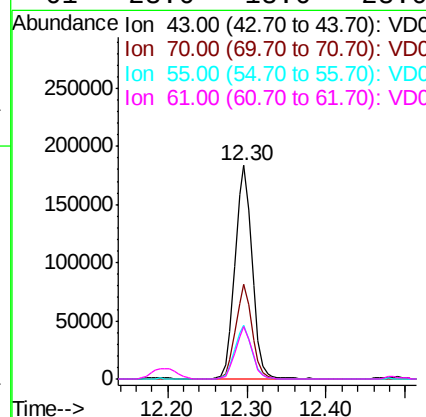
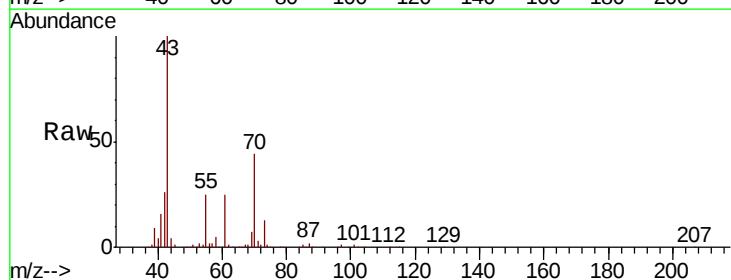
Manual Integrations
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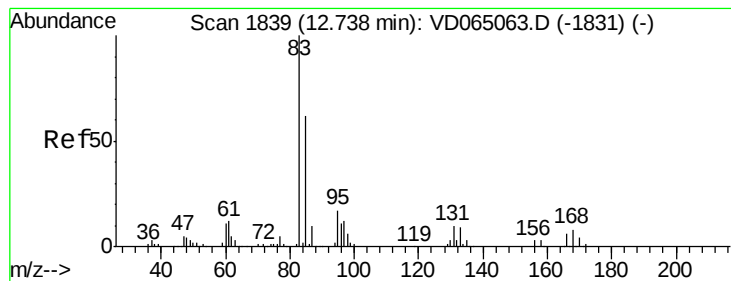
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#74
N-ethyl acetate
Concen: 57.361 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Tgt Ion: 43 Resp: 275430
Ion Ratio Lower Upper
43 100
70 42.0 33.5 50.3
55 25.0 19.4 29.2
61 23.6 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 56.876 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065155.D

Acq: 11 Feb 2020 20:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 197749

Ion Ratio Lower Upper

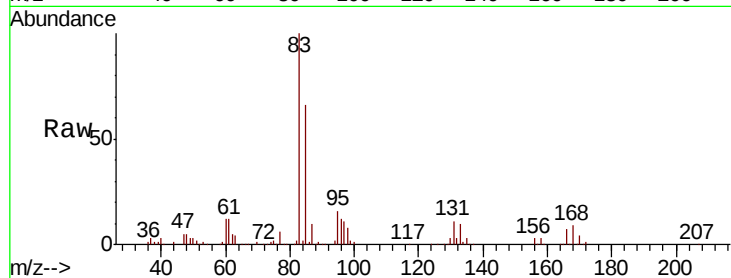
83 100

131 11.4 5.5 16.4

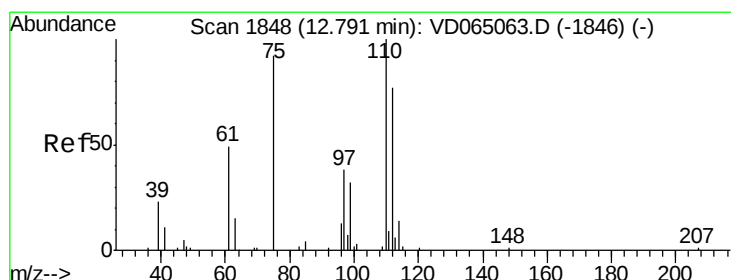
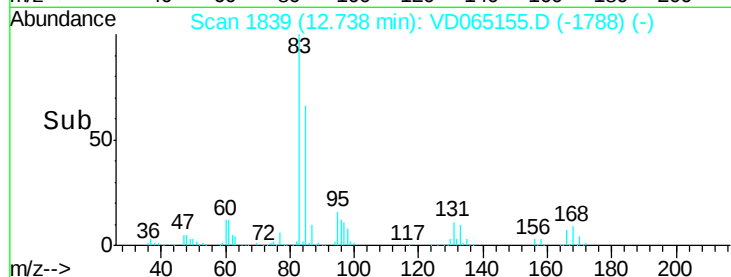
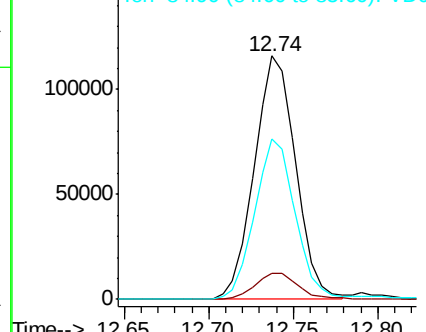
85 64.2 31.8 95.4

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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: 55.633 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065155.D

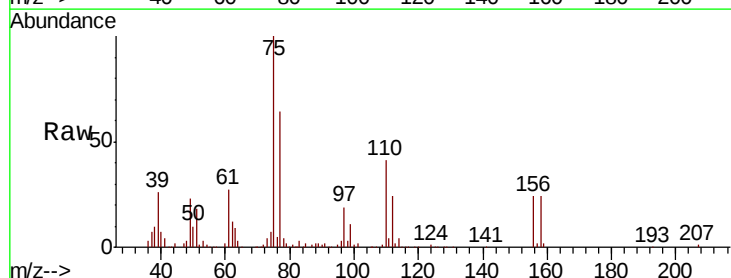
Acq: 11 Feb 2020 20:27

Tgt Ion: 75 Resp: 135569

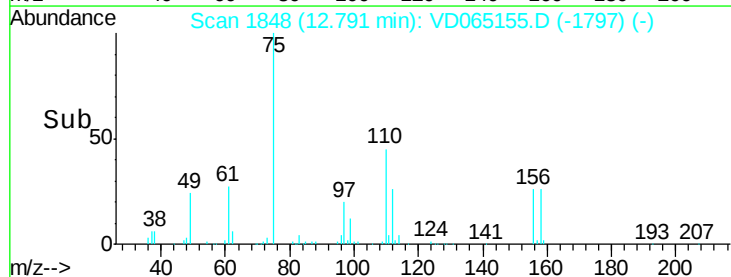
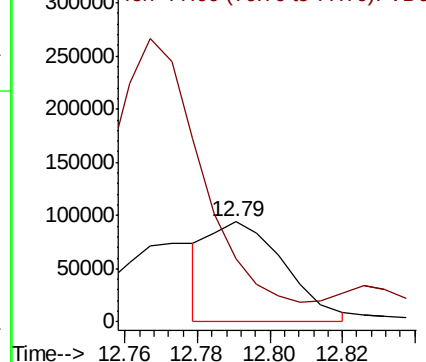
Ion Ratio Lower Upper

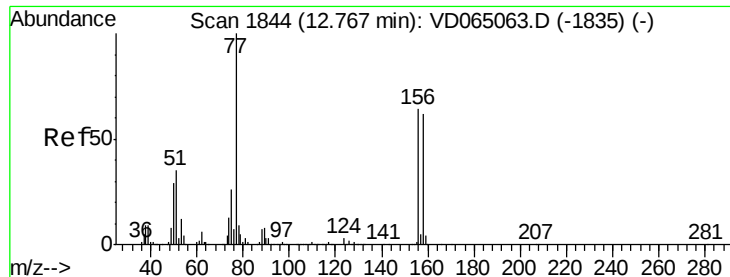
75 100

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: 53.575 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065155.D

Acq: 11 Feb 2020 20:27

Instrument :

MSVOA_D

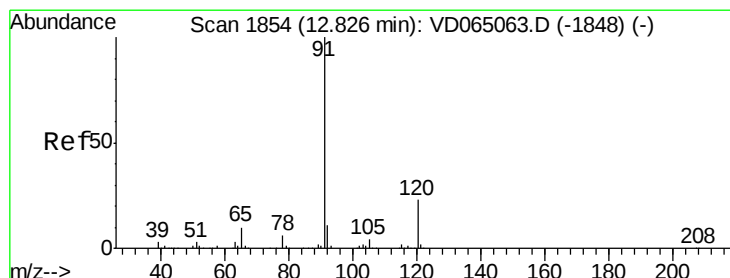
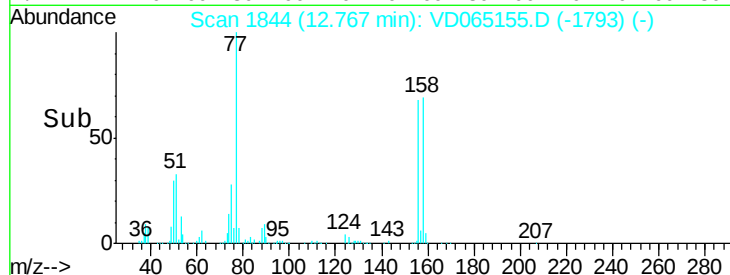
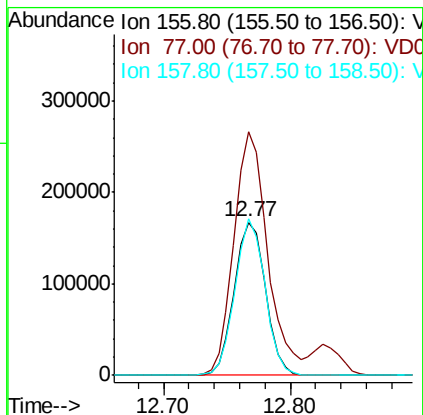
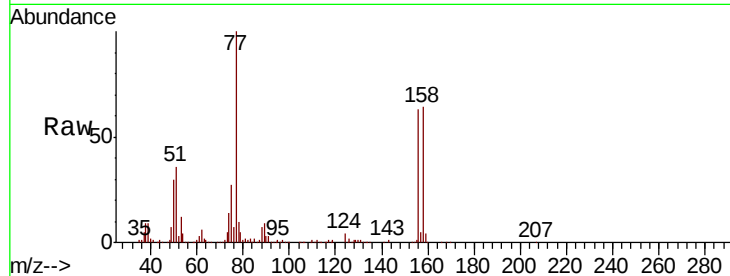
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	285157
Ion Ratio	Lower	Upper	
156	100		
77	172.3	85.6	256.8
158	98.1	47.4	142.2

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#78

n-propylbenzene

Concen: 52.447 ug/l

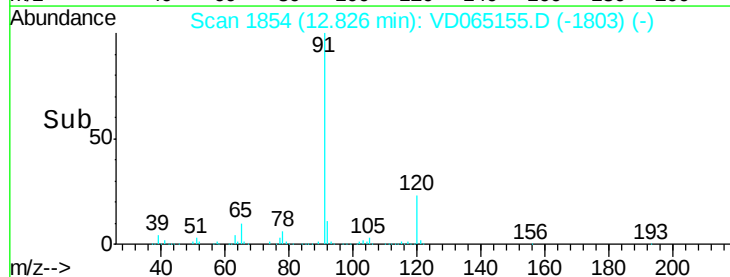
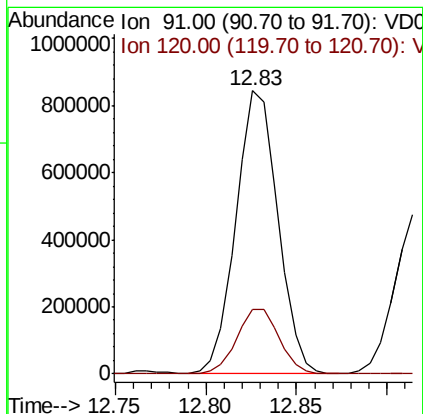
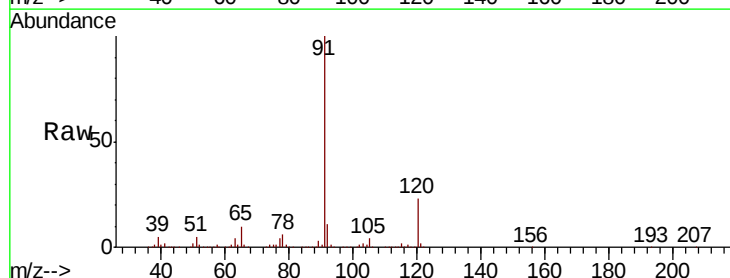
RT: 12.83 min Scan# 1854

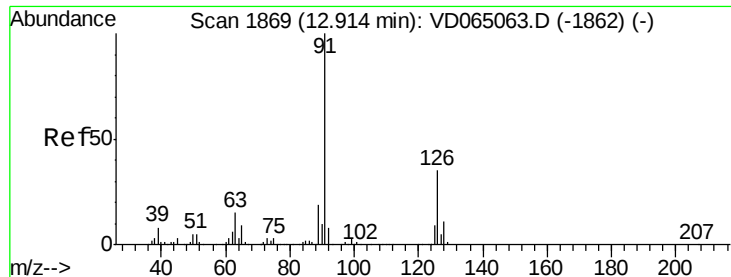
Delta R.T. -0.00 min

Lab File: VD065155.D

Acq: 11 Feb 2020 20:27

Tgt Ion:	91	Resp:	1356847
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.8	35.3





#79

2-Chlorotoluene

Concen: 53.046 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065155.D

Acq: 11 Feb 2020 20:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 764962

Ion Ratio Lower Upper

91 100

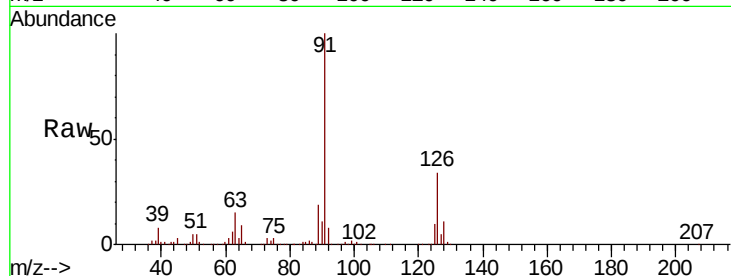
126 34.8 17.4 52.3

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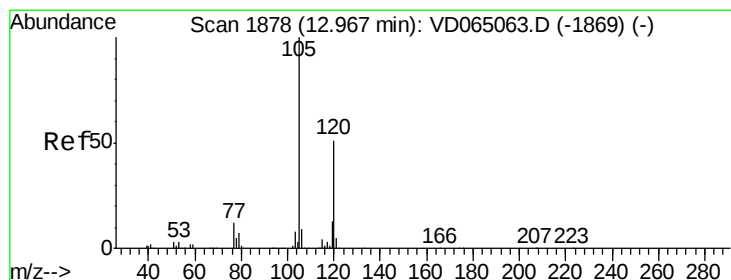
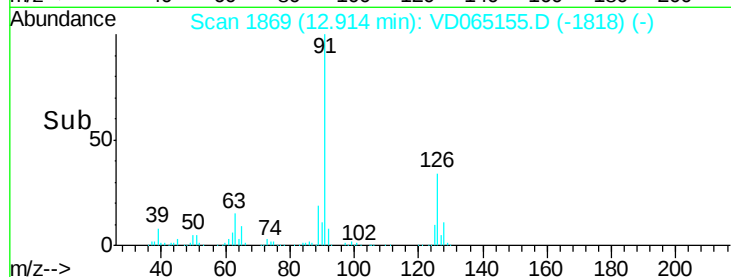
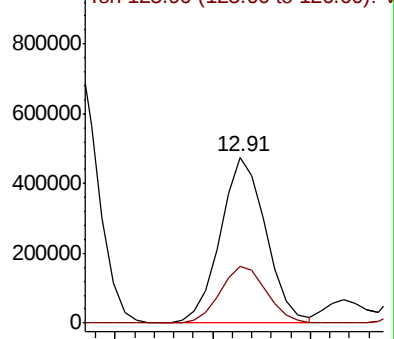
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Abundance Ion 91.00 (90.70 to 91.70): VD065063.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.934 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065155.D

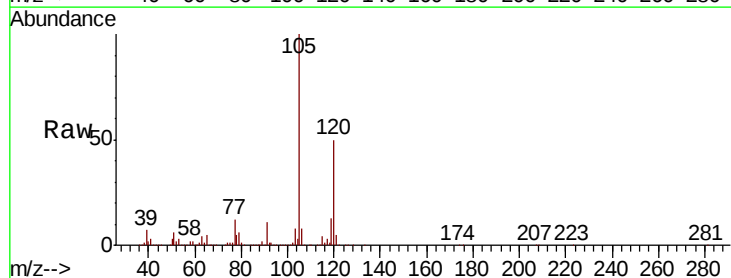
Acq: 11 Feb 2020 20:27

Tgt Ion: 105 Resp: 956680

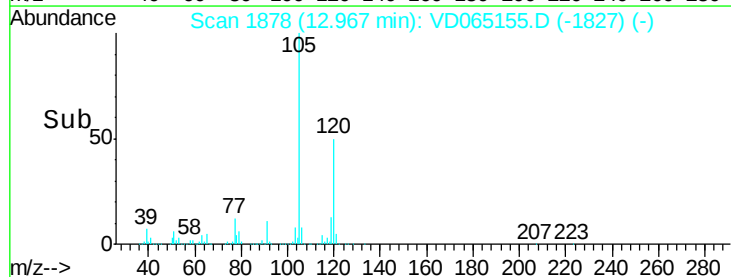
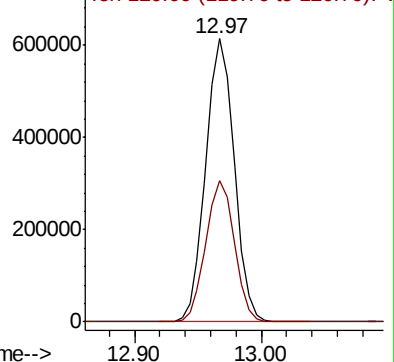
Ion Ratio Lower Upper

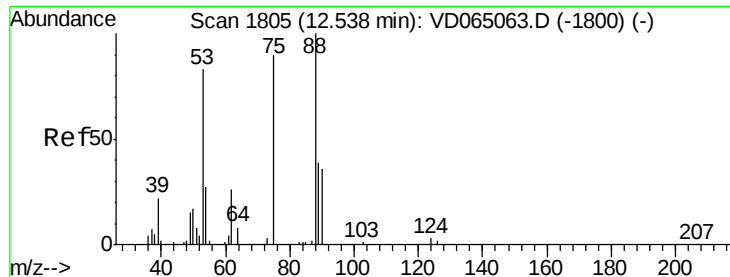
105 100

120 50.3 25.1 75.4



Abundance Ion 105.00 (104.70 to 105.70): VD065063.D (-1869) (-)





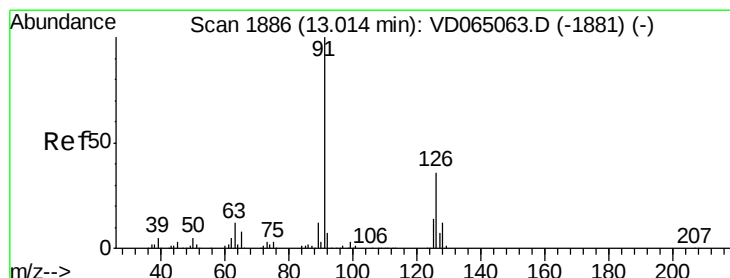
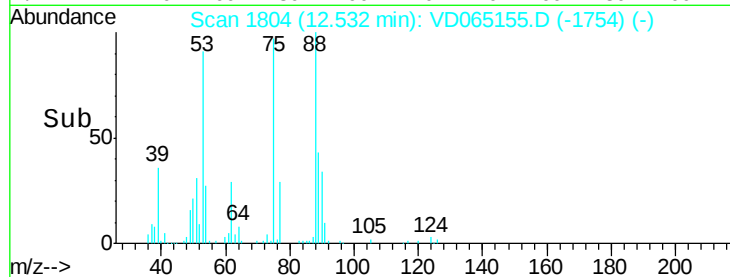
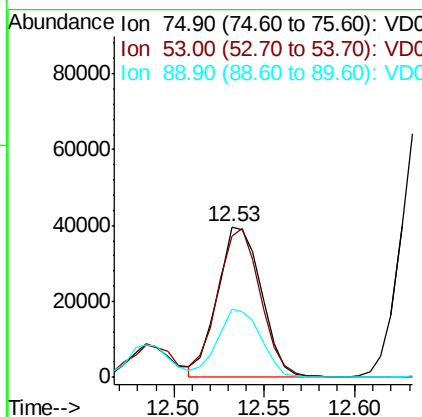
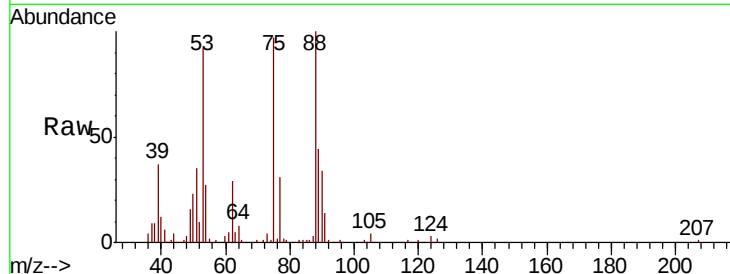
#81
trans-1,4-Dichloro-2-butene
Concen: 54.212 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.01 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.0	78.5	117.7
89	45.6	37.0	55.4

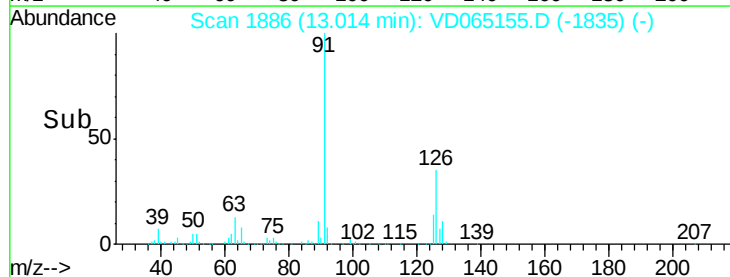
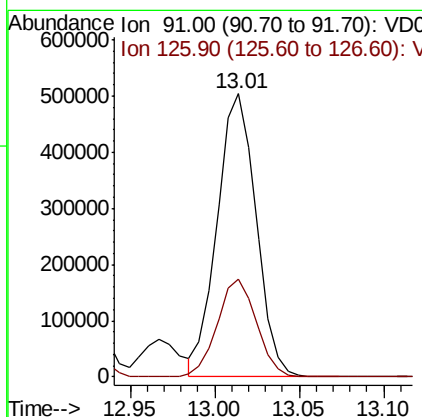
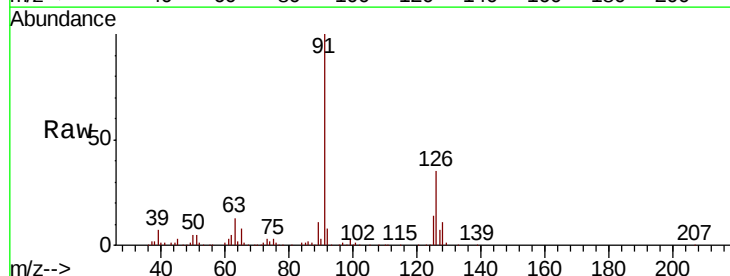
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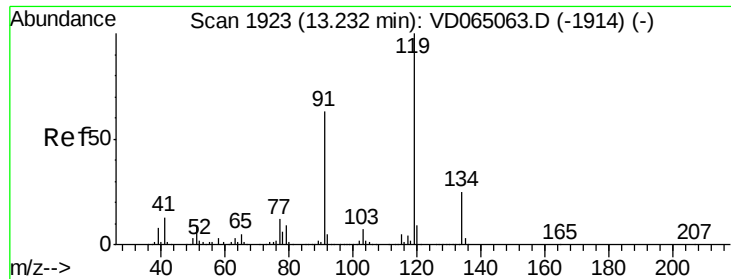
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#82
4-Chlorotoluene
Concen: 53.292 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.5	52.5





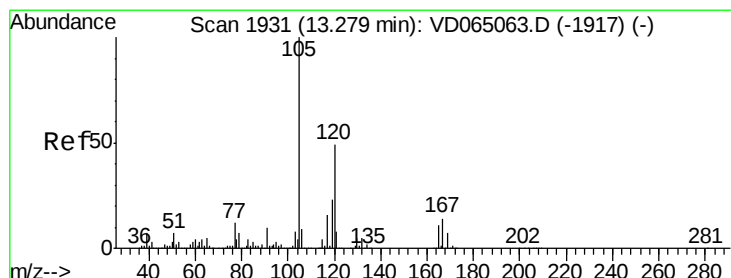
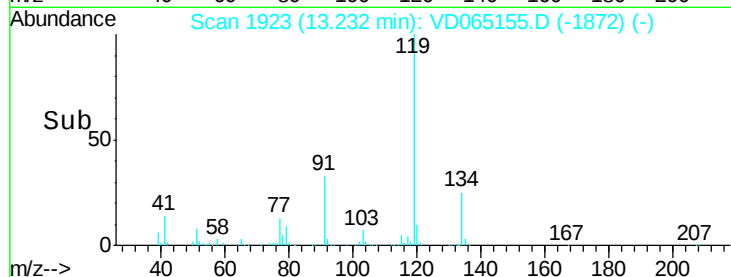
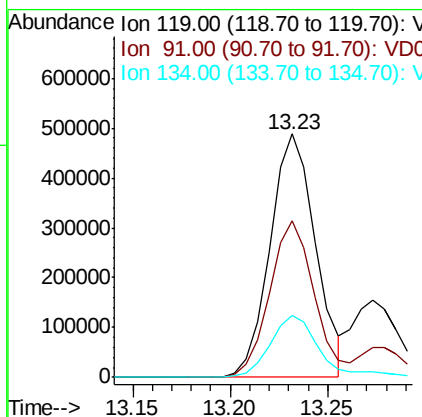
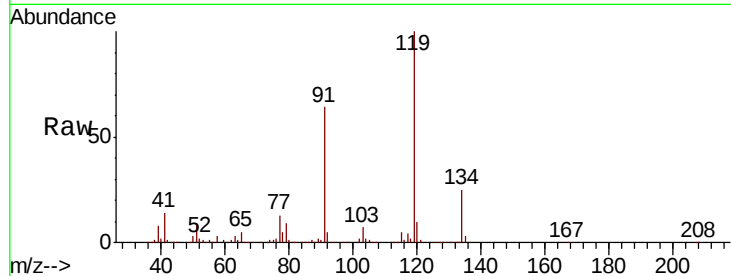
#83
 tert-Butylbenzene
 Concen: 50.494 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD065155.D
 Acq: 11 Feb 2020 20:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.4	32.3	96.9
134	27.6	13.8	41.3

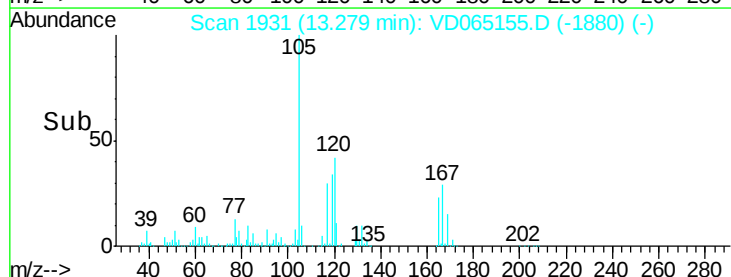
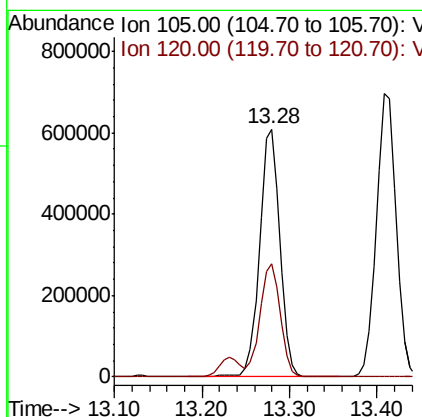
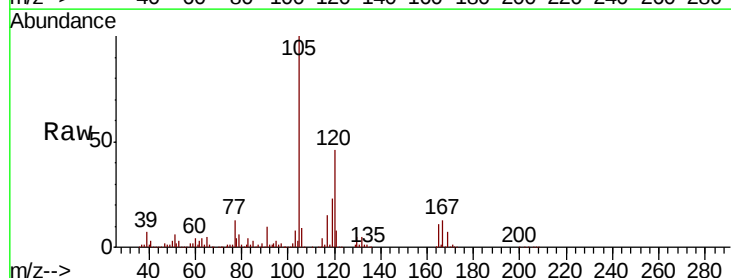
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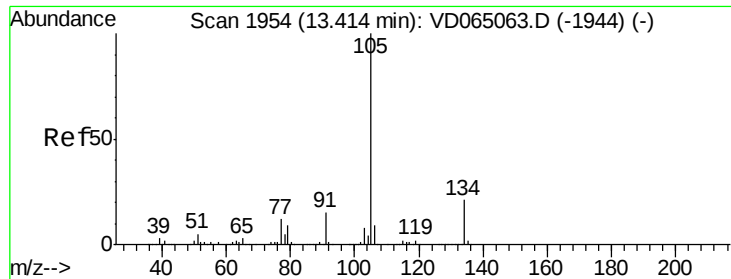
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#84
 1,2,4-Trimethylbenzene
 Concen: 54.112 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VD065155.D
 Acq: 11 Feb 2020 20:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	23.5	70.5





#85

sec-Butylbenzene

Concen: 51.831 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.01 min

Lab File: VD065155.D

Acq: 11 Feb 2020 20:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1103782

Ion Ratio Lower Upper

105 100

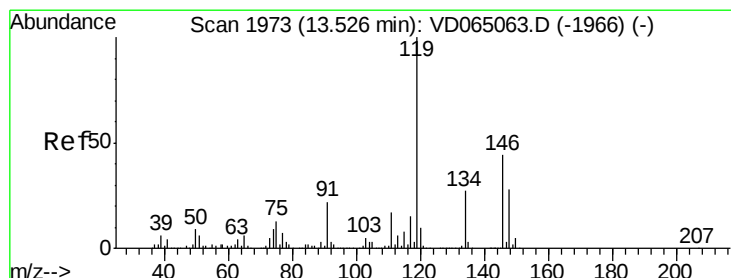
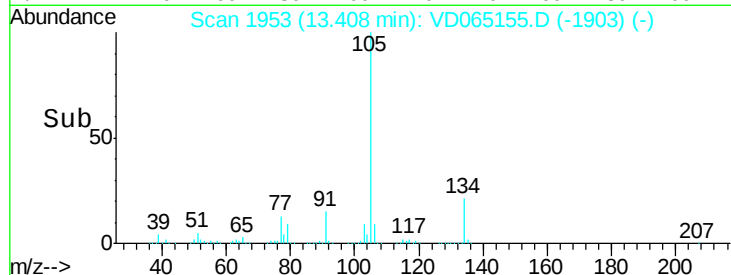
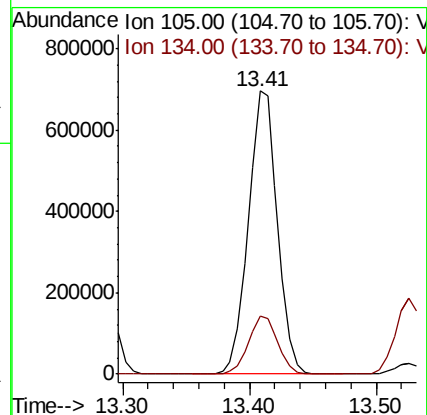
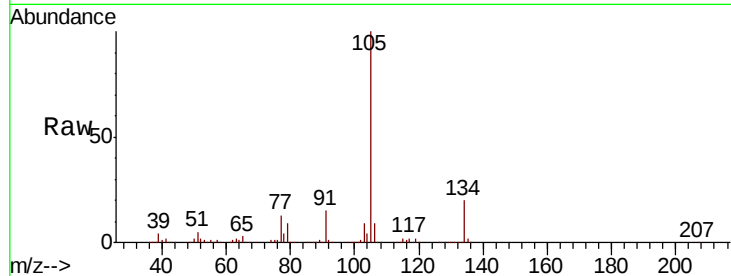
134 20.6 10.4 31.1

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#86

p-Isopropyltoluene

Concen: 52.664 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065155.D

Acq: 11 Feb 2020 20:27

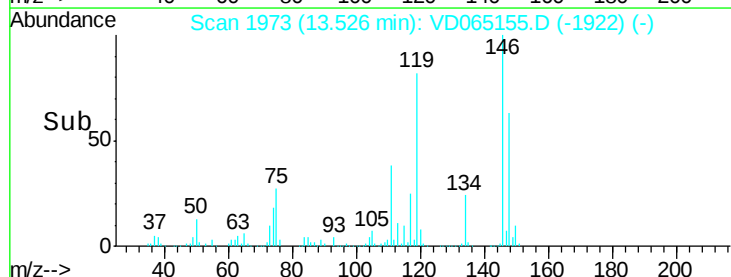
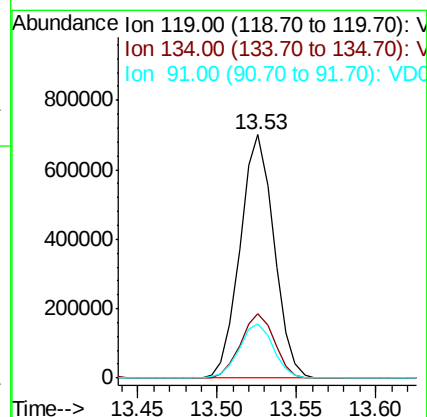
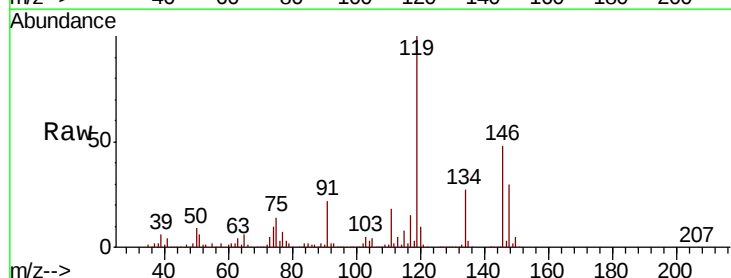
Tgt Ion:119 Resp: 1042033

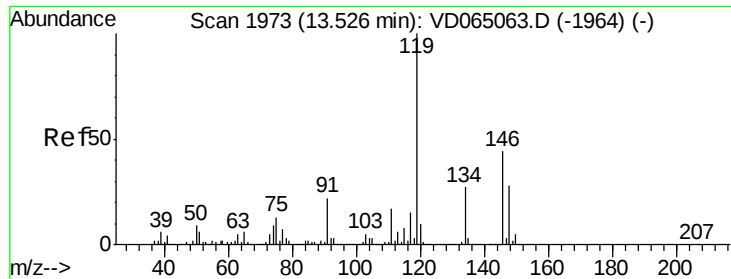
Ion Ratio Lower Upper

119 100

134 26.5 13.5 40.5

91 22.3 11.3 33.9





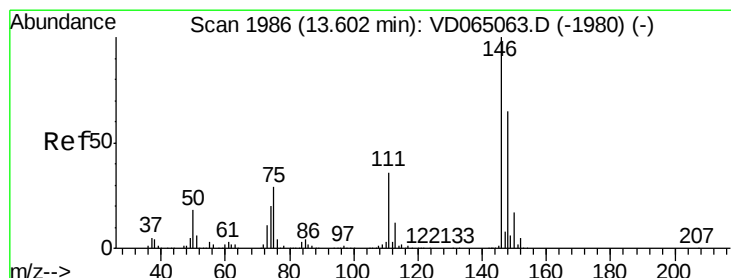
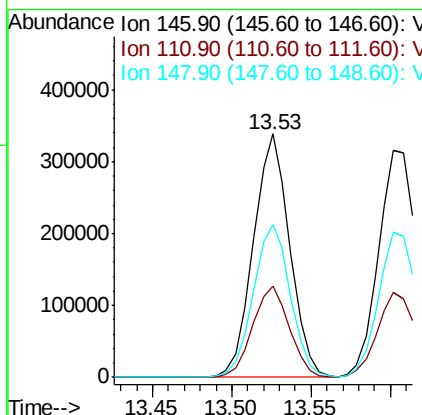
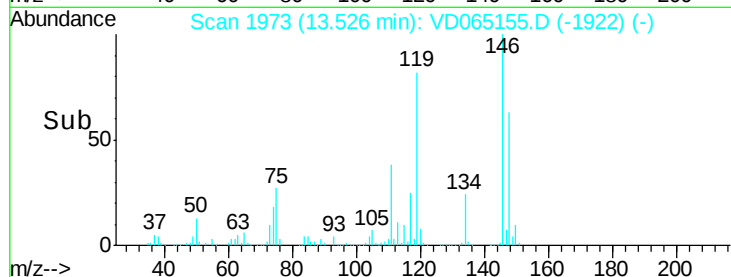
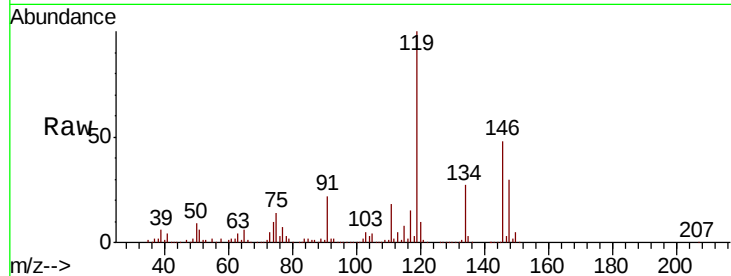
#87
 1,3-Dichlorobenzene
 Concen: 54.117 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065155.D
 Acq: 11 Feb 2020 20:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.4	58.4
148	64.0	32.3	96.8

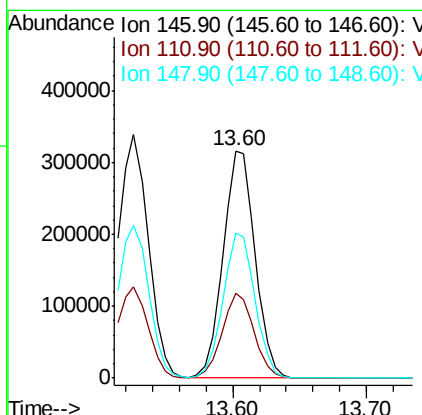
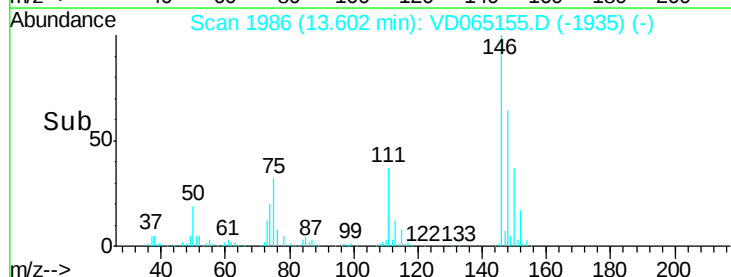
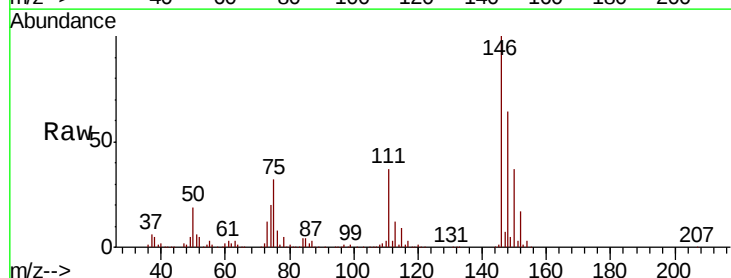
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#88
 1,4-Dichlorobenzene
 Concen: 53.481 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065155.D
 Acq: 11 Feb 2020 20:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.5	55.5
148	63.7	32.7	98.1





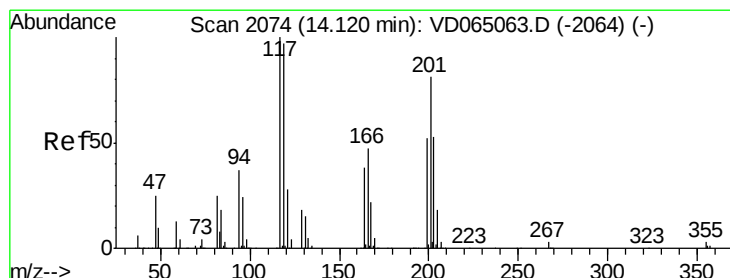
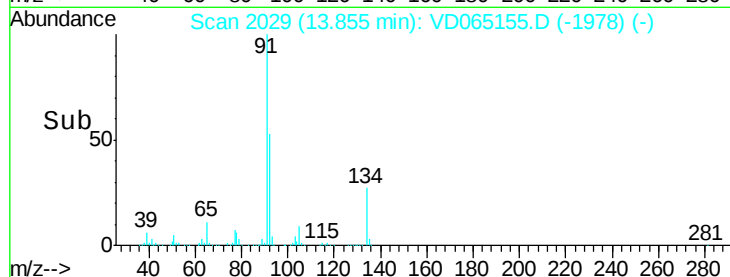
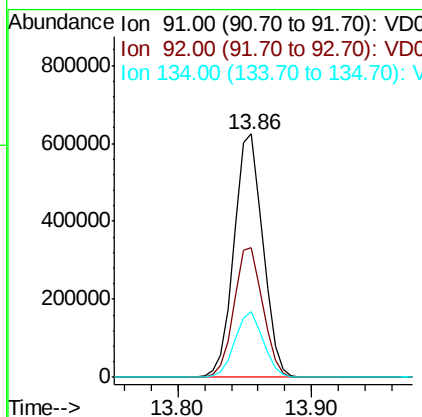
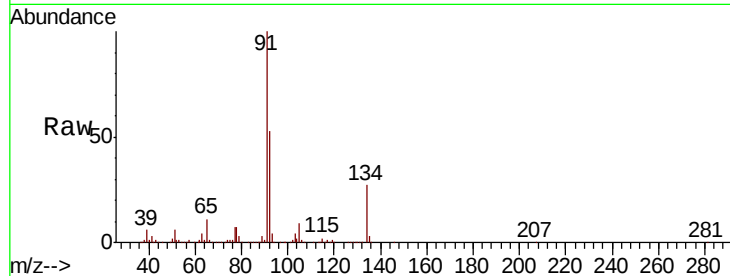
#89
n-Butylbenzene
Concen: 51.426 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

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

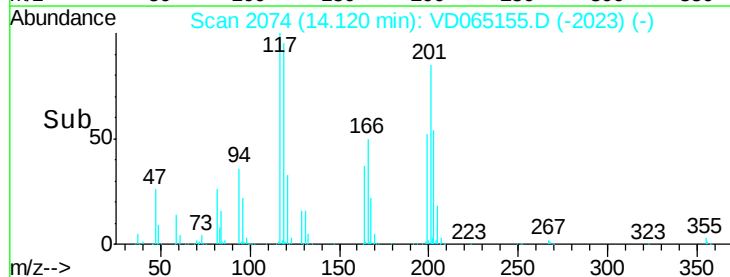
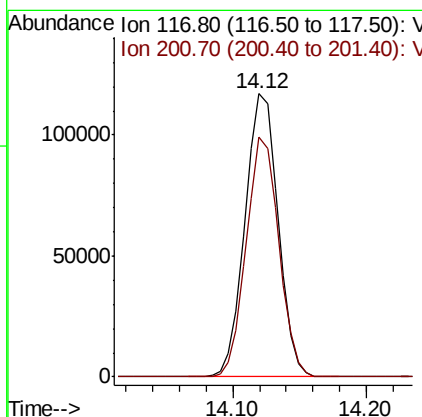
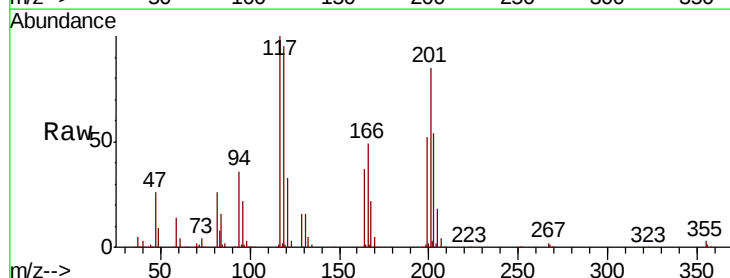
Manual Integrations
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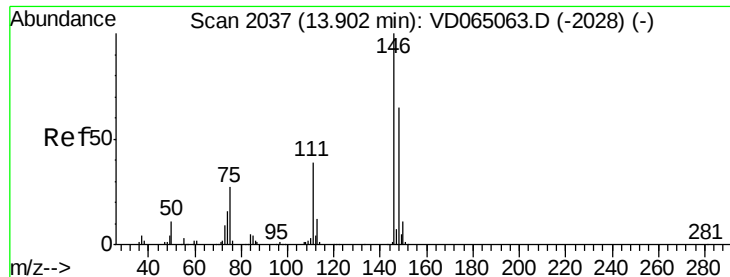
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#90
Hexachloroethane
Concen: 53.422 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.8	42.5	127.6





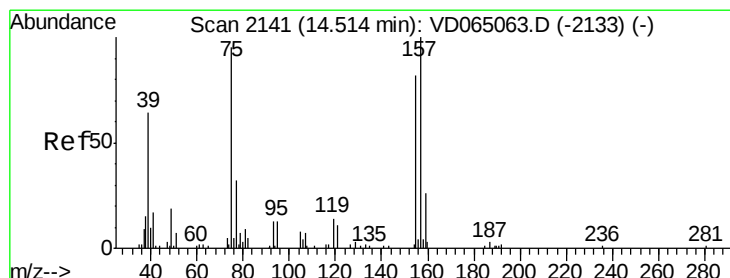
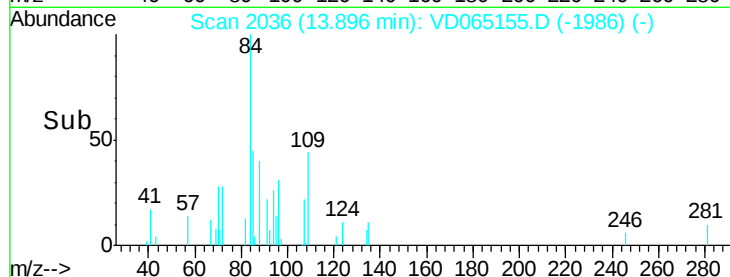
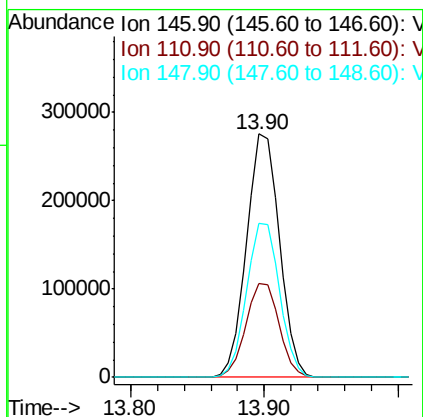
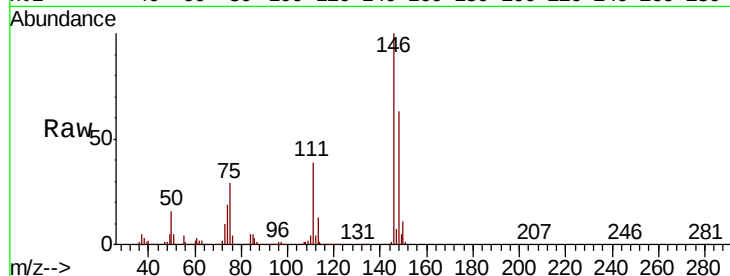
#91
 1,2-Dichlorobenzene
 Concen: 54.977 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065155.D
 Acq: 11 Feb 2020 20:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.7	59.1
148	63.4	31.9	95.5

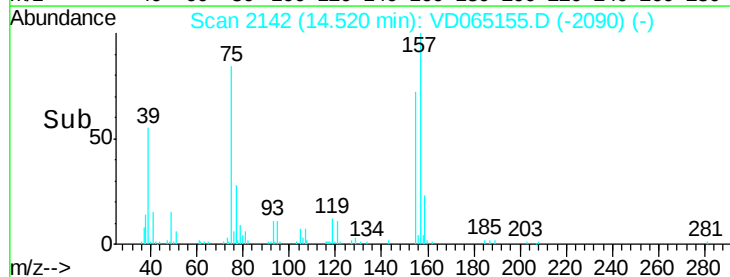
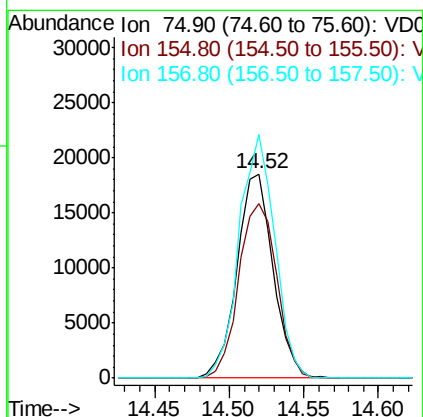
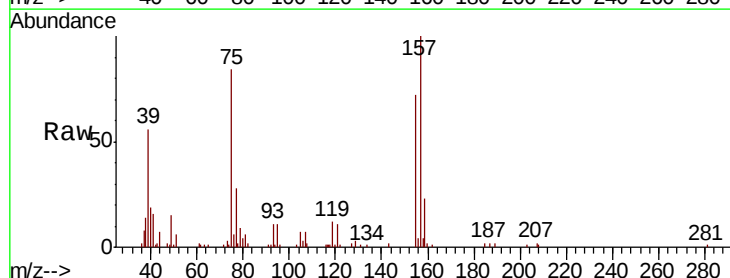
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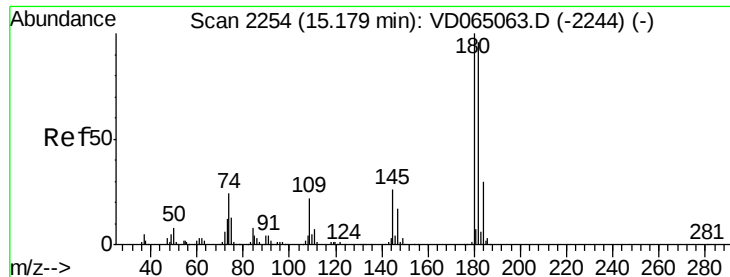
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.959 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD065155.D
 Acq: 11 Feb 2020 20:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.0	43.4	130.1
157	117.4	55.8	167.3





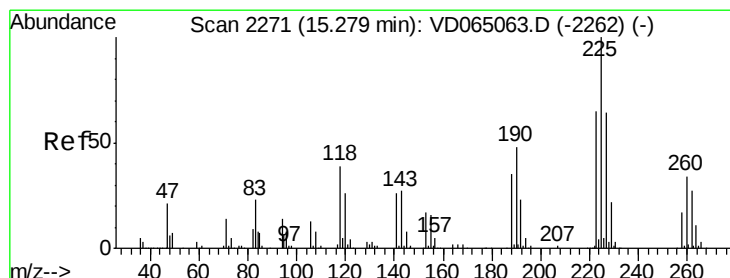
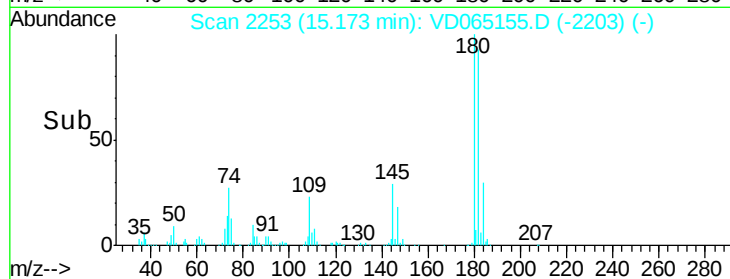
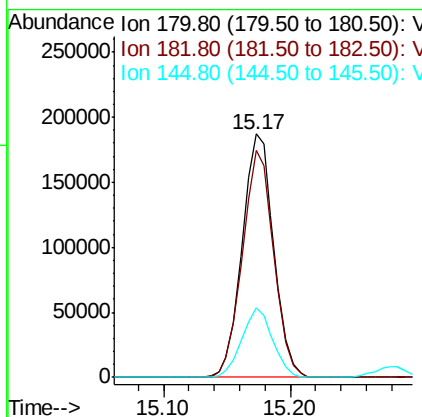
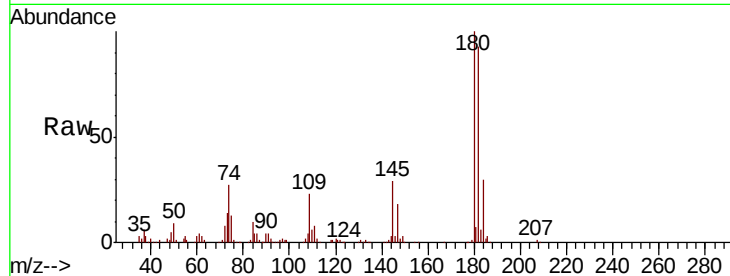
#93
 1,2,4-Trichlorobenzene
 Concen: 52.667 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065155.D
 Acq: 11 Feb 2020 20:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	92.8	47.4	142.3	
145	28.2	14.1	42.4	

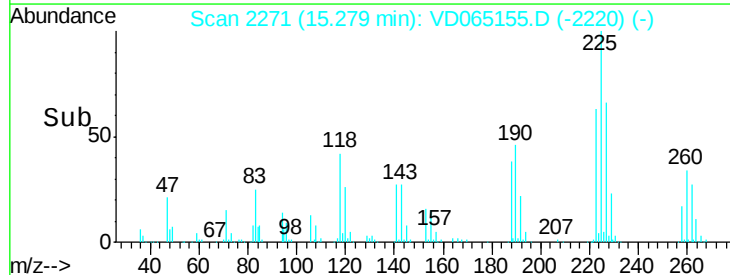
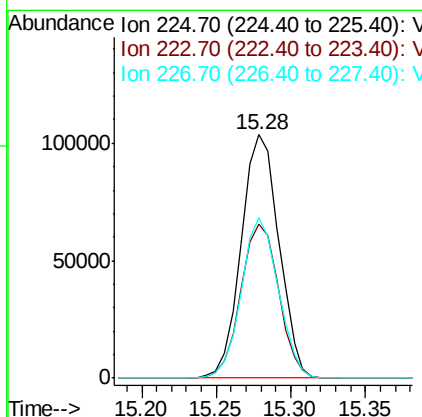
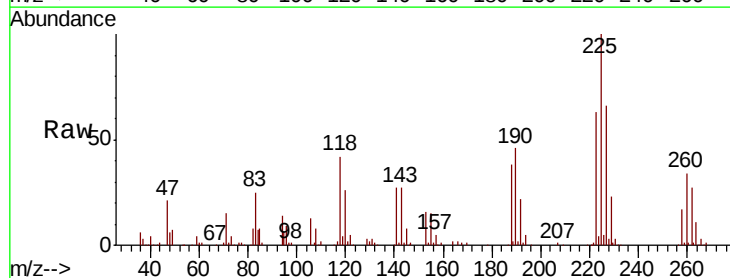
Manual Integrations
 APPROVED

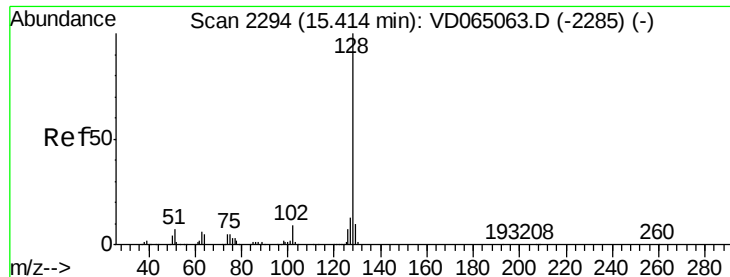
MMDadoda
 2/12/2020 3:12:37 PM



#94
 Hexachlorobutadiene
 Concen: 48.341 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065155.D
 Acq: 11 Feb 2020 20:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.5	31.4	94.0	
227	64.2	31.8	95.3	





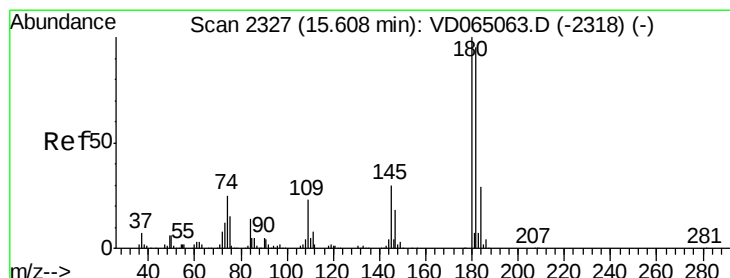
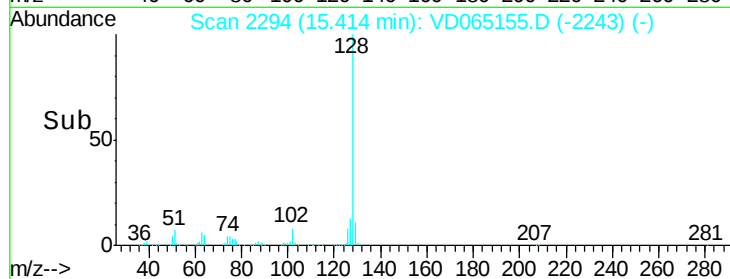
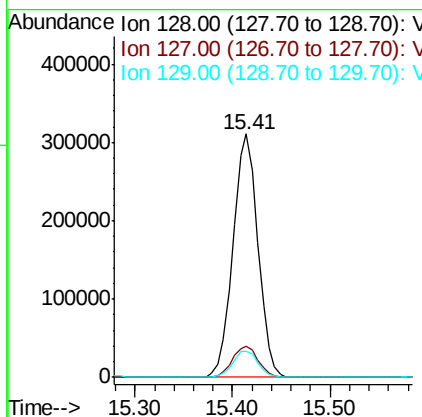
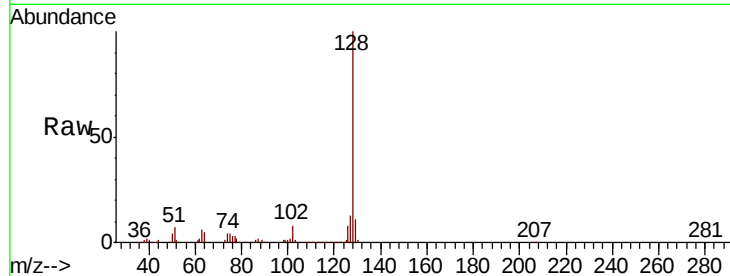
#95
Naphthalene
Concen: 54.177 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/12/2020 3:12:37 PM



#96
1,2,3-Trichlorobenzene
Concen: 52.847 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065155.D
Acq: 11 Feb 2020 20:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.1	141.4
145	30.0	14.9	44.9

