

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021220\
 Data File : VD065157.D
 Acq On : 12 Feb 2020 10:15
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 13 05:57:58 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	489713	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	705245	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	630929	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	307968	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	208285	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
35) Dibromofluoromethane	7.92	113	215609	54.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.58%	
50) Toluene-d8	10.34	98	850892	54.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.66%	
62) 4-Bromofluorobenzene	12.64	95	262131	52.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	209570	51.425	ug/l	99
3) Chloromethane	2.21	50	254477	53.047	ug/l	97
4) Vinyl Chloride	2.35	62	273508	53.910	ug/l	99
5) Bromomethane	2.77	94	161042	48.955	ug/l	97
6) Chloroethane	2.93	64	168105	53.416	ug/l	95
7) Trichlorofluoromethane	3.27	101	391329	53.002	ug/l	97
8) Diethyl Ether	3.71	74	101567	47.919	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	235259	52.123	ug/l	99
10) Methyl Iodide	4.30	142	256246	49.740	ug/l	98
11) Tert butyl alcohol	5.24	59	48451	190.526	ug/l	99
12) 1,1-Dichloroethene	4.06	96	218085	50.450	ug/l	99
13) Acrolein	3.92	56	67063	214.407	ug/l	98
14) Allyl chloride	4.71	41	356344	49.600	ug/l	99
15) Acrylonitrile	5.43	53	218431	235.720	ug/l	100
16) Acetone	4.16	43	279572	268.662	ug/l	97
17) Carbon Disulfide	4.40	76	720309	51.897	ug/l	99
18) Methyl Acetate	4.73	43	99586	45.805	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	442344	46.274	ug/l	99
20) Methylene Chloride	4.96	84	235418	51.497	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	252759	51.681	ug/l	97
22) Diisopropyl ether	6.37	45	697477	51.469	ug/l	97
23) Vinyl Acetate	6.31	43	1886085	249.703	ug/l	99
24) 1,1-Dichloroethane	6.27	63	428316	52.218	ug/l	100
25) 2-Butanone	7.22	43	303447	244.461	ug/l	99
26) 2,2-Dichloropropane	7.21	77	386139	52.521	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	263538	50.722	ug/l	99
28) Bromochloromethane	7.55	49	168791	54.285	ug/l	98
29) Tetrahydrofuran	7.57	42	172057	229.210	ug/l	98
30) Chloroform	7.71	83	428697	52.490	ug/l	99
31) Cyclohexane	7.98	56	406427	49.086	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	399231	52.475	ug/l	99
36) 1,1-Dichloropropene	8.11	75	356231	54.322	ug/l	99
37) Ethyl Acetate	7.30	43	124708	46.549	ug/l	99
38) Carbon Tetrachloride	8.10	117	369670	55.194	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	428551	52.945	ug/l	97
40) Benzene	8.36	78	977187	53.961	ug/l	99
41) Methacrylonitrile	7.53	41	61404	41.603	ug/l	92
42) 1,2-Dichloroethane	8.43	62	260704	50.525	ug/l	98
43) Isopropyl Acetate	8.46	43	235498	45.952	ug/l	98
44) Trichloroethene	9.11	130	266179	51.209	ug/l	98
45) 1,2-Dichloropropane	9.39	63	236147	54.389	ug/l	95
46) Dibromomethane	9.48	93	116483	51.055	ug/l	99
47) Bromodichloromethane	9.67	83	322063	53.574	ug/l	98
48) Methyl methacrylate	9.46	41	112584	45.653	ug/l	96
49) 1,4-Dioxane	9.47	88	25553	945.602	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	609362	241.567	ug/l	98
52) Toluene	10.41	92	621979	53.814	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	301456	51.504	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	368184	52.595	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	160108	51.162	ug/l	96
56) Ethyl methacrylate	10.67	69	196918	49.732	ug/l	99
57) 1,3-Dichloropropane	10.95	76	282385	51.316	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	293686	227.878	ug/l	99
59) 2-Hexanone	10.99	43	481457	269.456	ug/l	100
60) Dibromochloromethane	11.14	129	212816	52.503	ug/l	100
61) 1,2-Dibromoethane	11.25	107	154049	50.379	ug/l	99
64) Tetrachloroethene	10.88	164	227043	50.081	ug/l	98
65) Chlorobenzene	11.68	112	637096	52.207	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	237460	52.723	ug/l	99
67) Ethyl Benzene	11.75	91	1185557	53.474	ug/l	98
68) m/p-Xylenes	11.86	106	925206	109.337	ug/l	98
69) o-Xylene	12.18	106	397685	52.189	ug/l	99
70) Styrene	12.20	104	714159	53.923	ug/l	100
71) Bromoform	12.37	173	123268	50.848	ug/l #	98
73) Isopropylbenzene	12.48	105	1110921	52.556	ug/l	100
74) N-amyl acetate	12.30	43	215370	46.877	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	162503	48.847	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	221431	94.968	ug/l #	100
77) Bromobenzene	12.77	156	255129	50.096	ug/l	99
78) n-propylbenzene	12.83	91	1326991	53.607	ug/l	100
79) 2-Chlorotoluene	12.91	91	720950	52.249	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	907327	52.468	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	55938	47.980	ug/l	98
82) 4-Chlorotoluene	13.01	91	756687	52.216	ug/l	100
83) tert-Butylbenzene	13.23	119	764177	51.221	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	894772	52.118	ug/l	100
85) sec-Butylbenzene	13.41	105	1096486	53.811	ug/l	99
86) p-Isopropyltoluene	13.53	119	1016341	53.683	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	499935	52.430	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	484867	51.091	ug/l	99
89) n-Butylbenzene	13.86	91	940138	53.801	ug/l	100
90) Hexachloroethane	14.12	117	194163	54.160	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	418700	51.265	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	24909	45.867	ug/l	95

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Response via : Initial Calibration

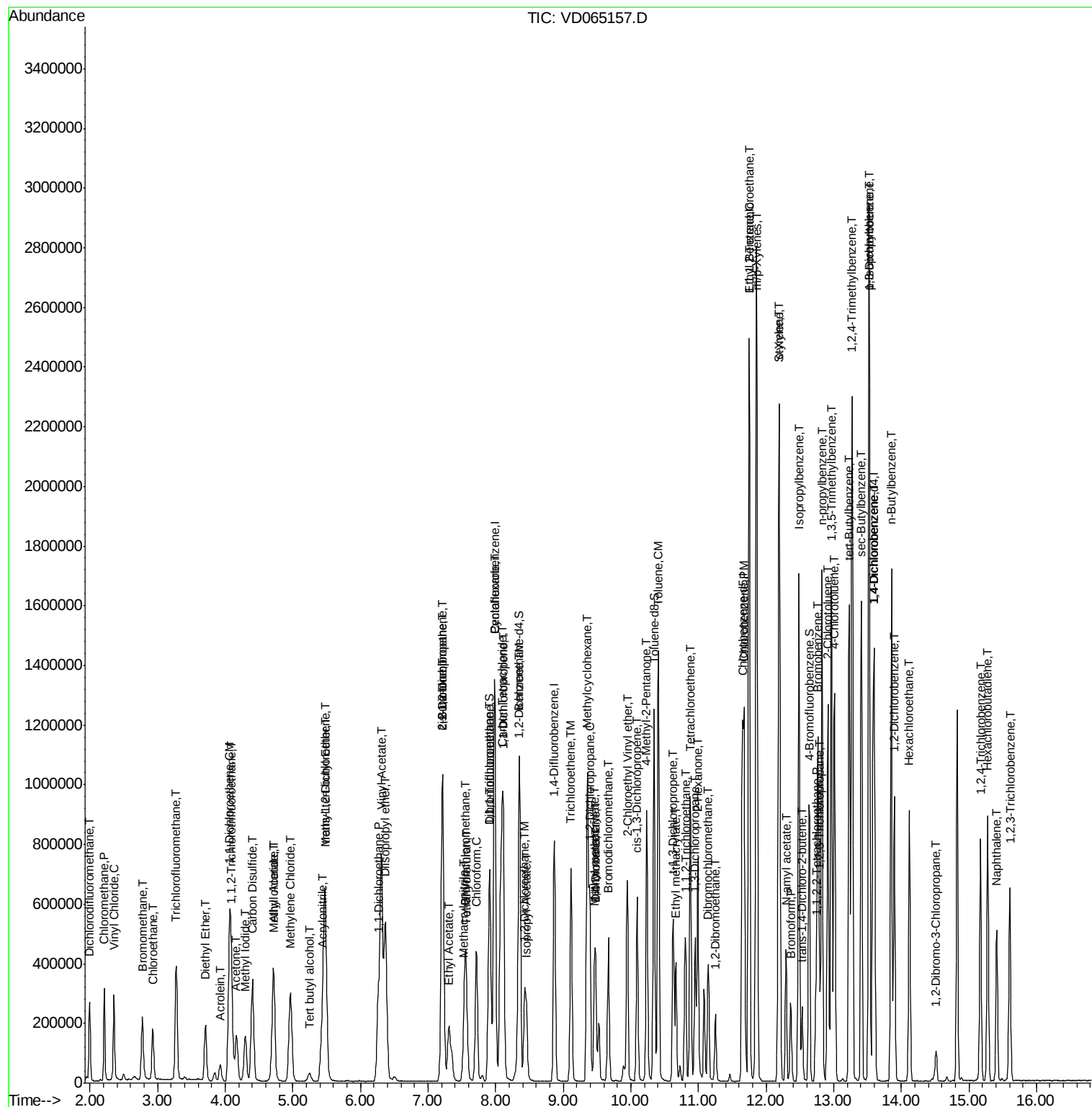
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	279219	47.832	ug/l	100
94) Hexachlorobutadiene	15.28	225	179812	50.097	ug/l	99
95) Naphthalene	15.41	128	439130	45.260	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	231661	46.396	ug/l	98

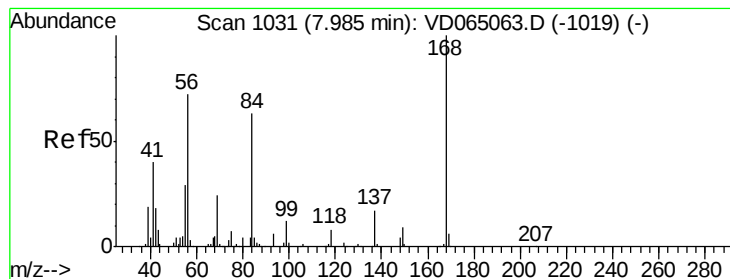
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD021220\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065157.D

Acq: 12 Feb 2020 10:15

Instrument :

MSVOA_D

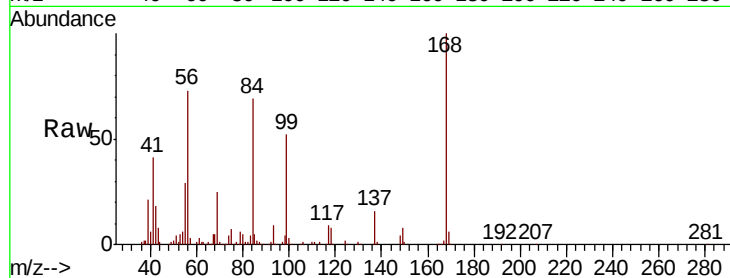
ClientSampleId :

Tot Ion:168 Resp: 489713

Ion Ratio Lower Upper

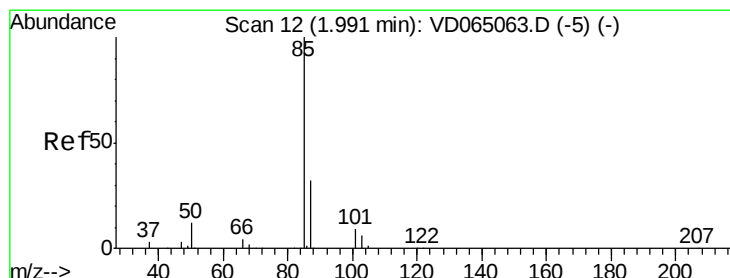
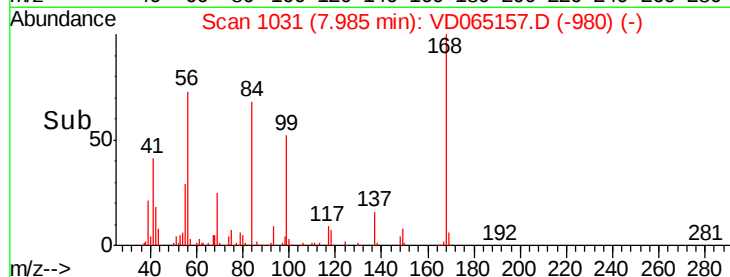
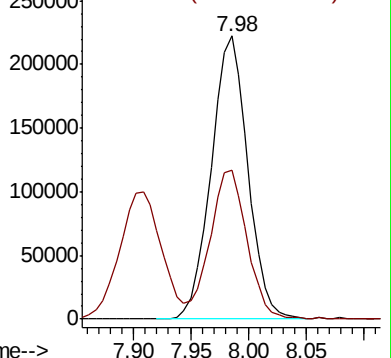
168 100

99 52.1 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 51.425 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065157.D

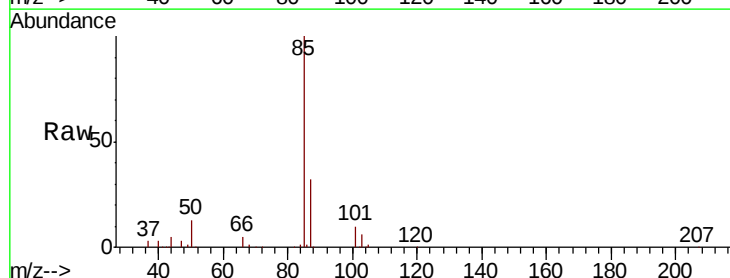
Acq: 12 Feb 2020 10:15

Tgt Ion: 85 Resp: 209570

Ion Ratio Lower Upper

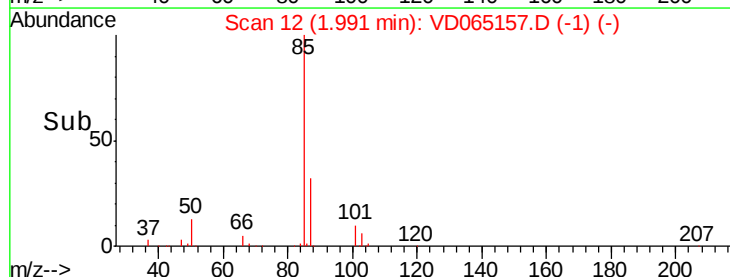
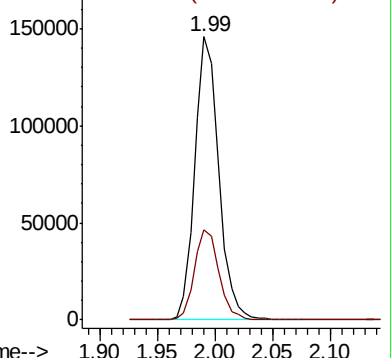
85 100

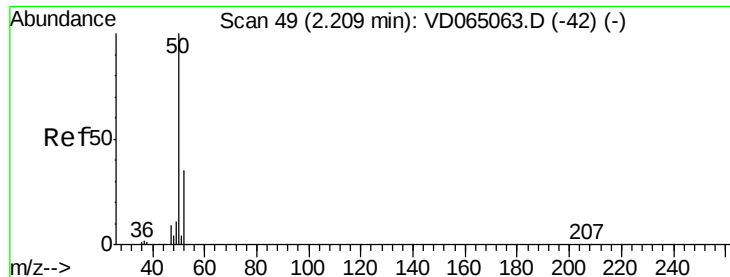
87 32.0 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 53.047 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065157.D

Acq: 12 Feb 2020 10:15

Instrument :

MSVOA_D

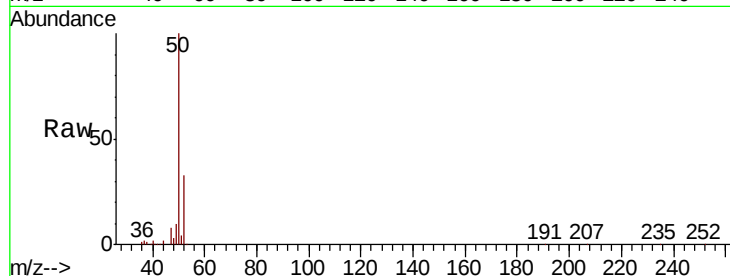
ClientSampleId :

Tot Ion: 50 Resp: 254477

Ion Ratio Lower Upper

50 100

52 32.7 27.8 41.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

200000

150000

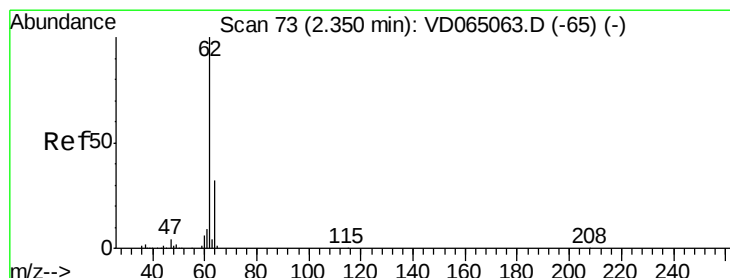
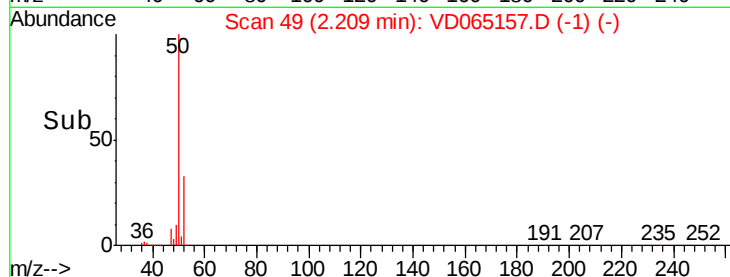
100000

50000

0

2.15 2.20 2.25 2.30

Time-->



#4

Vinyl Chloride

Concen: 53.910 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065157.D

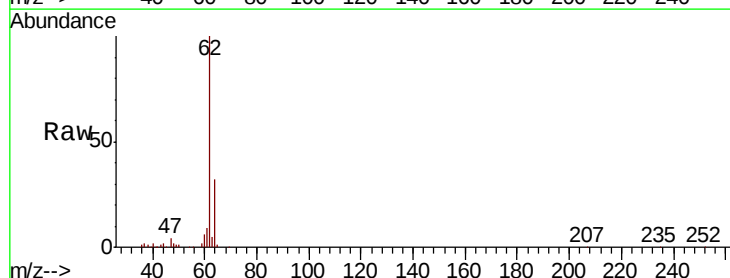
Acq: 12 Feb 2020 10:15

Tgt Ion: 62 Resp: 273508

Ion Ratio Lower Upper

62 100

64 31.8 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

200000

150000

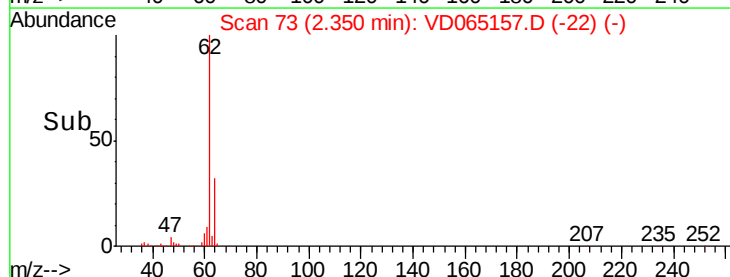
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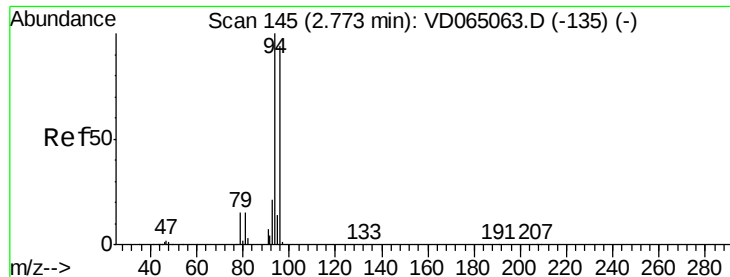
50000

0

2.30 2.35 2.40

Time-->





#5

Bromomethane

Concen: 48.955 ug/l

RT: 2.77 min Scan# 145

Delta R.T. -0.00 min

Lab File: VD065157.D

Acq: 12 Feb 2020 10:15

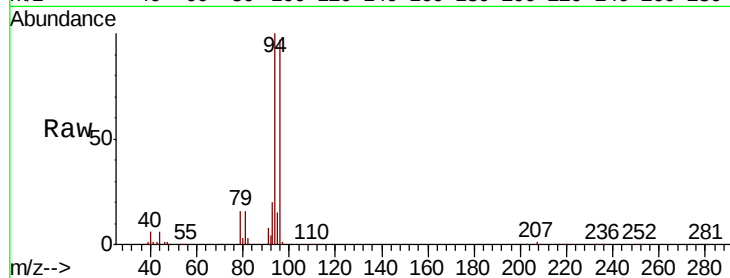
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 161042

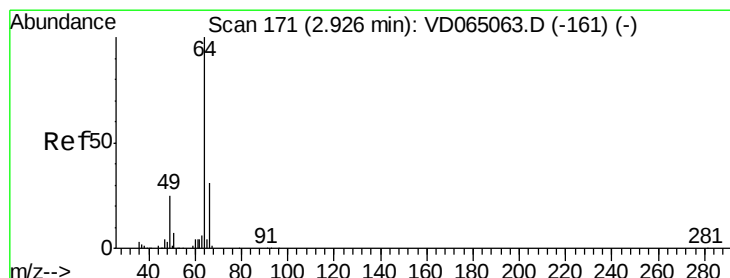
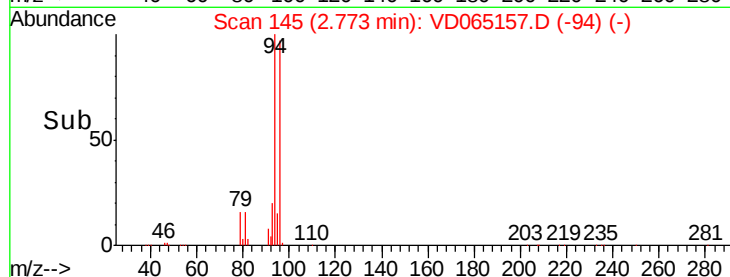
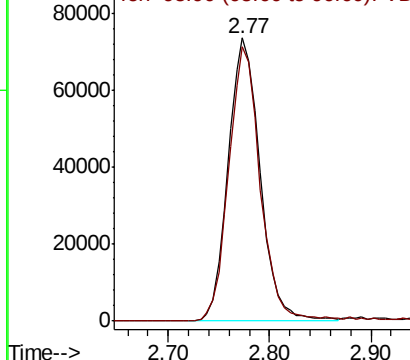
Ion Ratio Lower Upper

94 100

96 96.8 75.4 113.0



Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 53.416 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065157.D

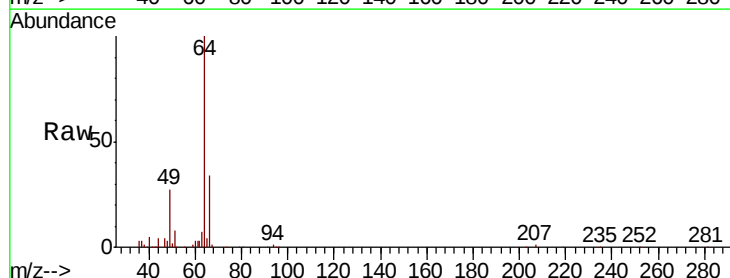
Acq: 12 Feb 2020 10:15

Tgt Ion: 64 Resp: 168105

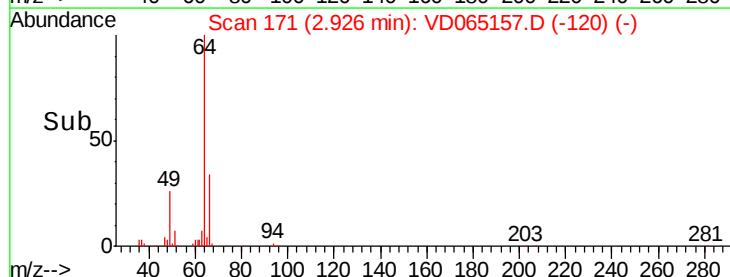
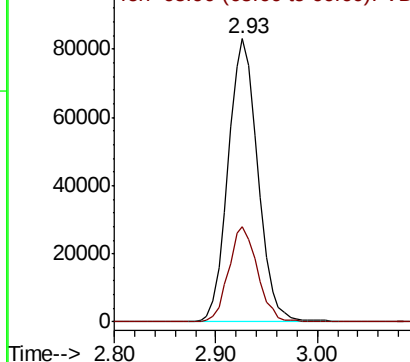
Ion Ratio Lower Upper

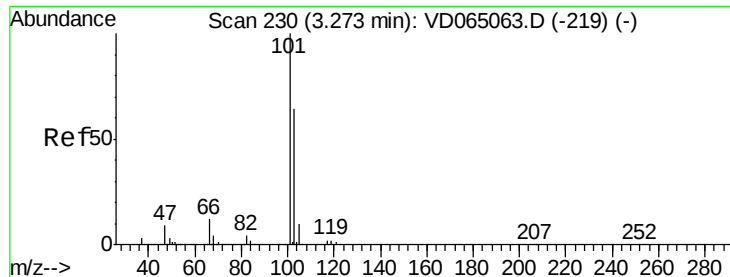
64 100

66 33.6 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VDC
Ion 65.90 (65.60 to 66.60): VDC



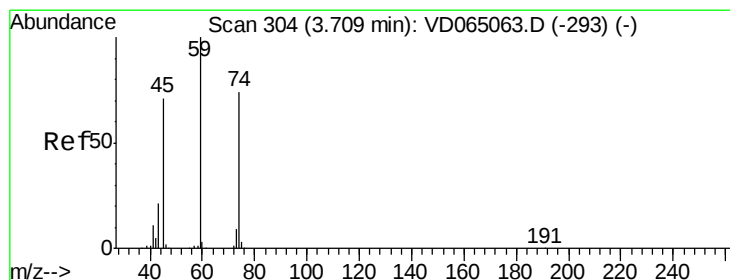
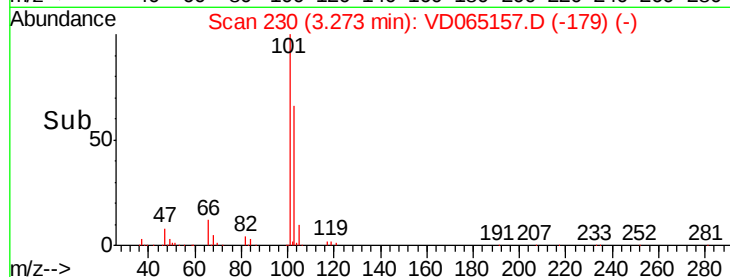
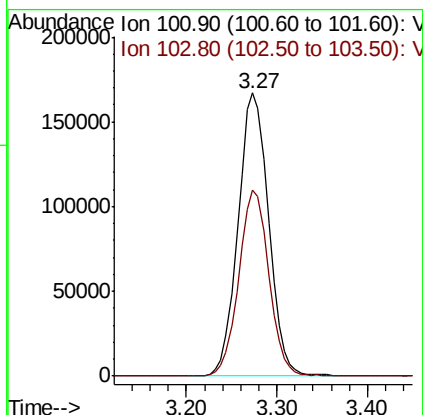
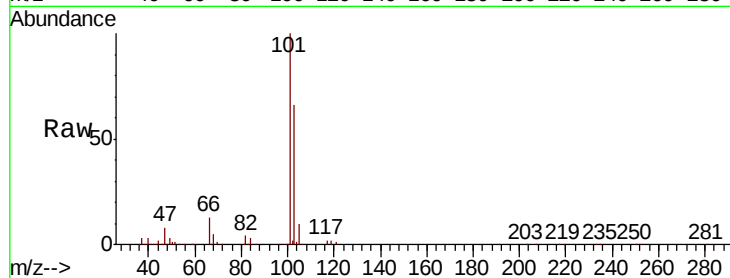


#7

Trichlorofluoromethane
Concen: 53.002 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Instrument :
MSVOA_D
ClientSampleId :

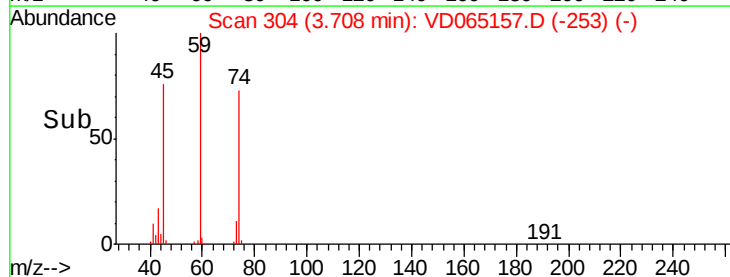
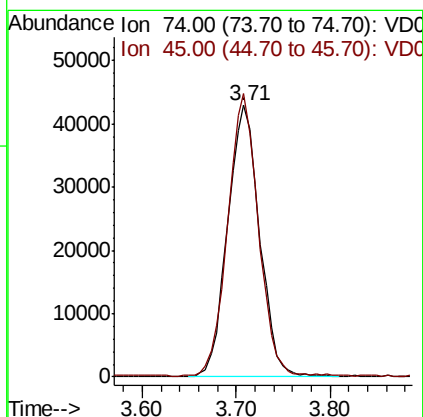
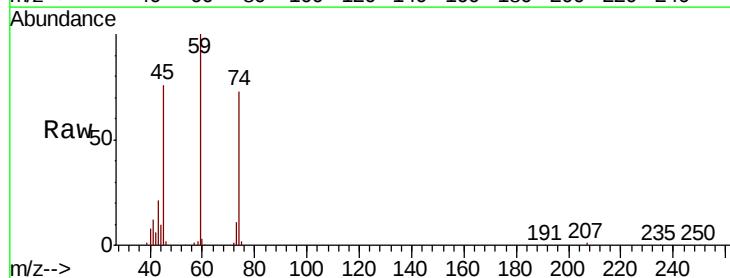
Tot Ion:101 Resp: 391329
Ion Ratio Lower Upper
101 100
103 65.8 51.0 76.6

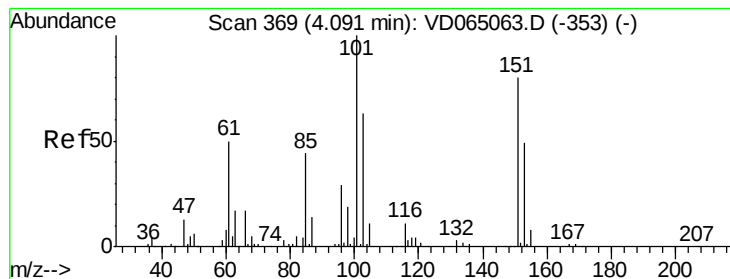


#8

Diethyl Ether
Concen: 47.919 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Tgt Ion: 74 Resp: 101567
Ion Ratio Lower Upper
74 100
45 100.3 49.0 147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.123 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD065157.D

Acq: 12 Feb 2020 10:15

Instrument :

MSVOA_D

ClientSampleId :

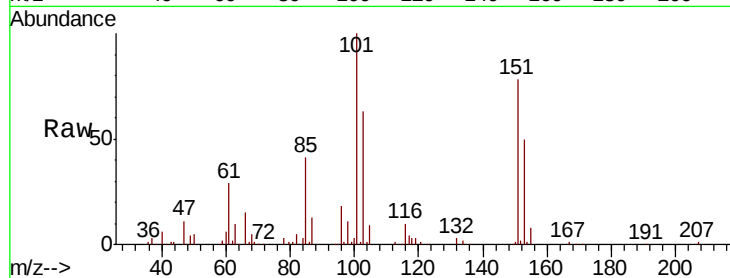
Tot Ion:101 Resp: 235259

Ion Ratio Lower Upper

101 100

85 43.3 34.0 51.0

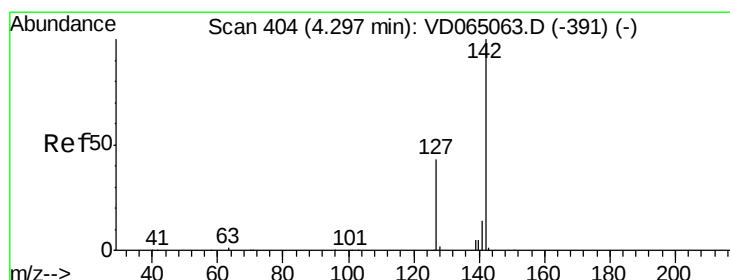
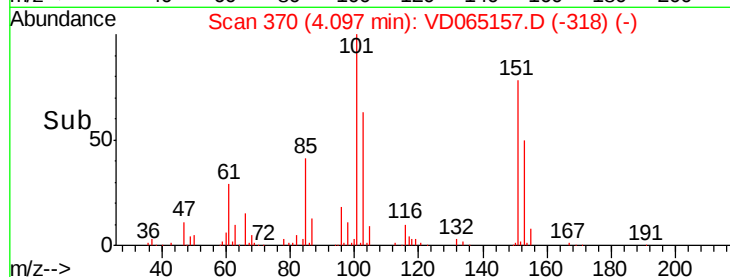
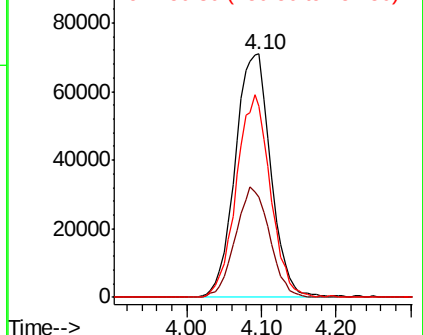
151 79.3 64.0 96.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.740 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

Lab File: VD065157.D

Acq: 12 Feb 2020 10:15

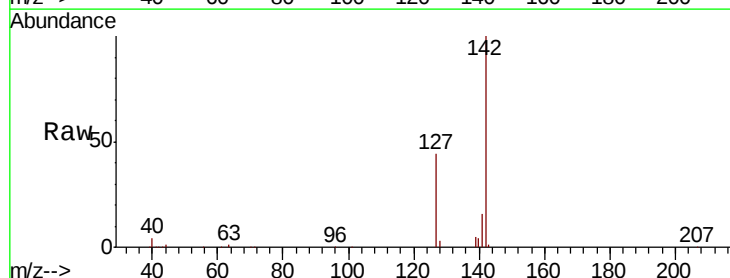
Tgt Ion:142 Resp: 256246

Ion Ratio Lower Upper

142 100

127 44.2 34.0 51.0

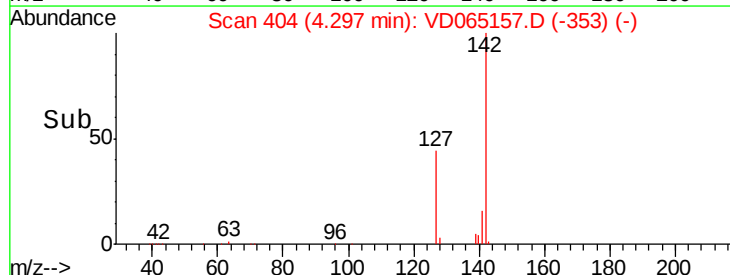
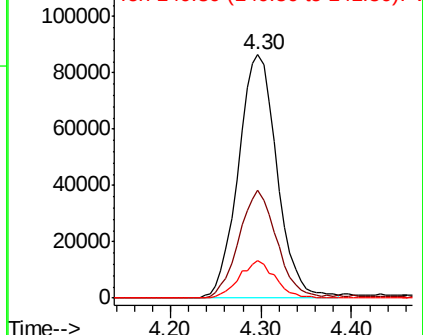
141 14.4 11.6 17.4

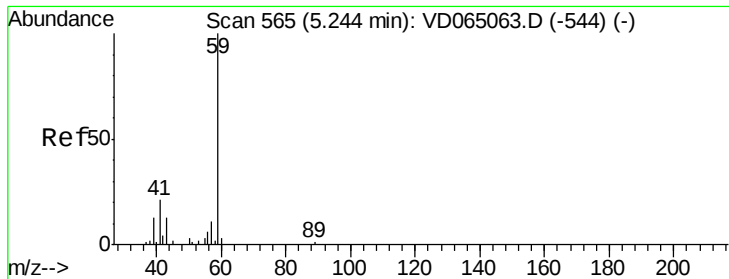


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



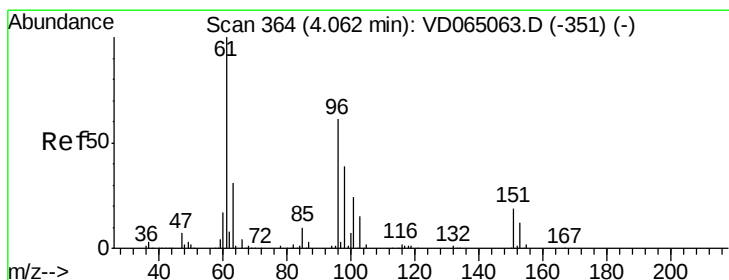
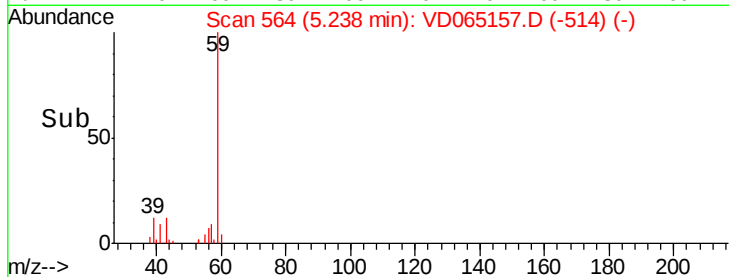
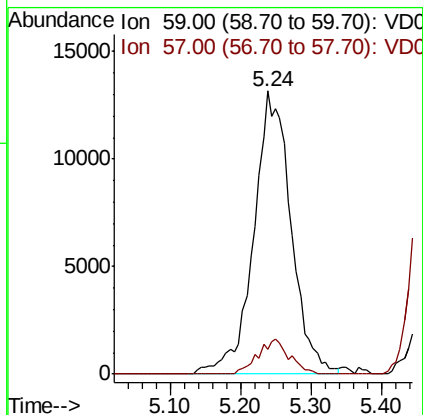
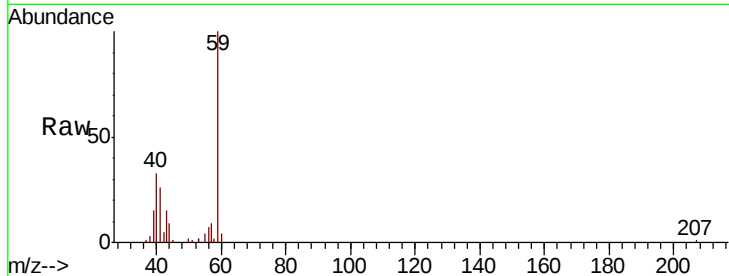


#11

Tert butyl alcohol
 Concen: 190.526 ug/l
 RT: 5.24 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VD065157.D
 Acq: 12 Feb 2020 10:15

Instrument :
 MSVOA_D
 ClientSampled :

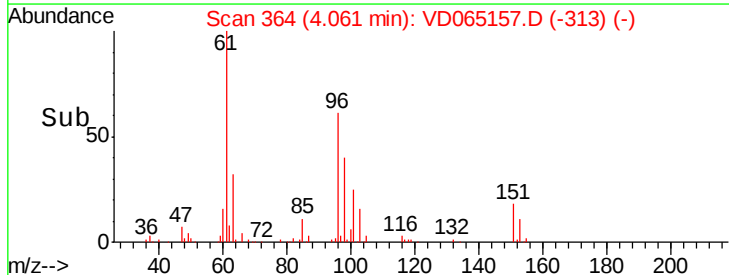
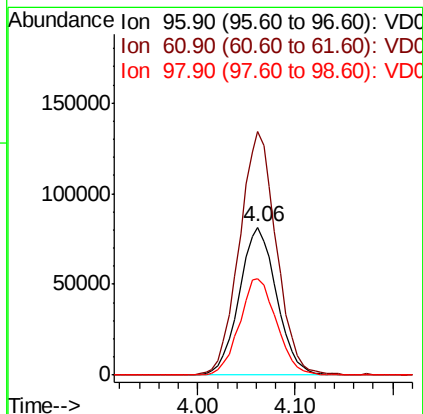
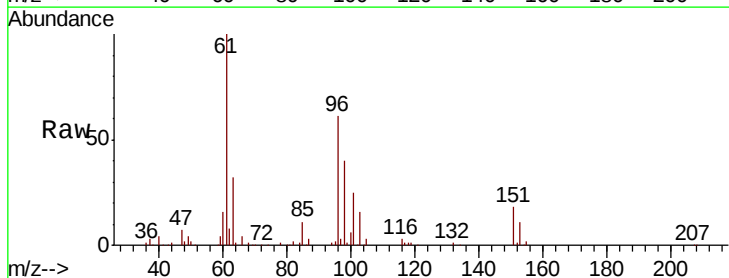
Tot Ion: 59 Resp: 48451
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.8 13.2

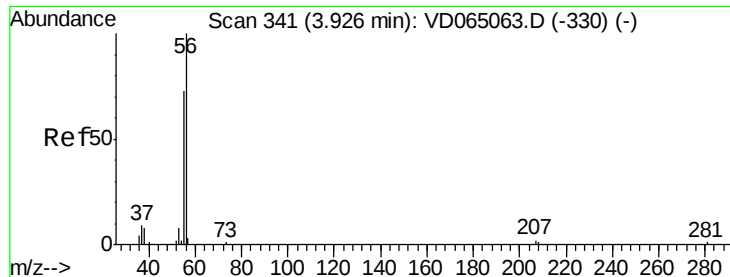


#12

1,1-Dichloroethene
 Concen: 50.450 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VD065157.D
 Acq: 12 Feb 2020 10:15

Tgt Ion: 96 Resp: 218085
 Ion Ratio Lower Upper
 96 100
 61 164.8 131.4 197.2
 98 65.4 51.1 76.7





#13

Acrolein

Concen: 214.407 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065157.D

Acq: 12 Feb 2020 10:15

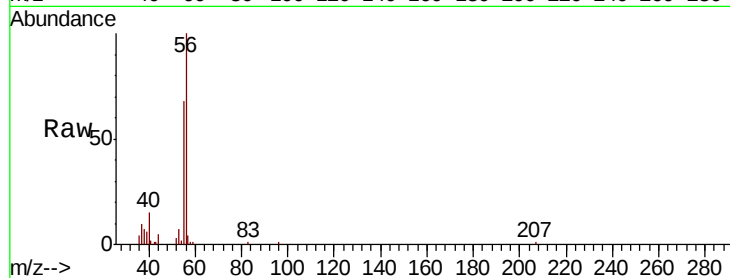
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 67063

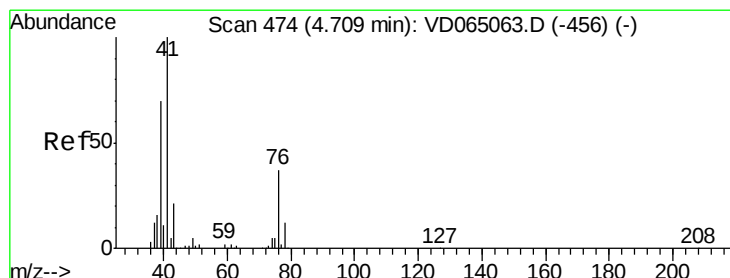
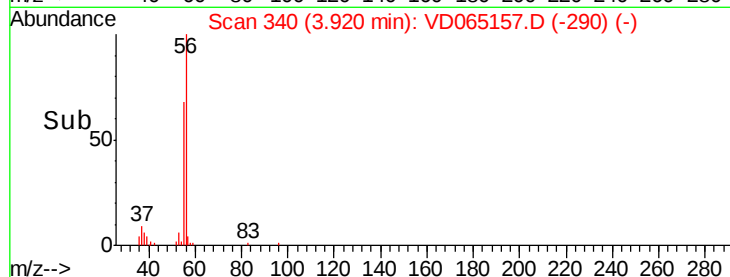
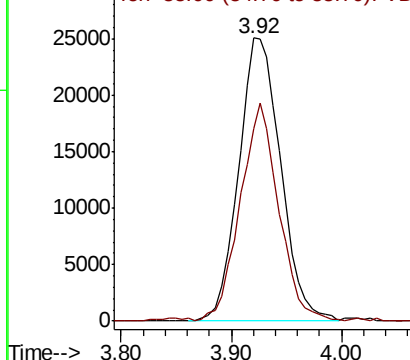
Ion Ratio Lower Upper

56 100

55 70.6 58.2 87.2



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 49.600 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD065157.D

Acq: 12 Feb 2020 10:15

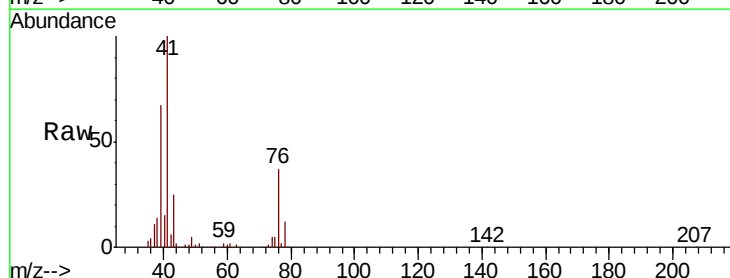
Tgt Ion: 41 Resp: 356344

Ion Ratio Lower Upper

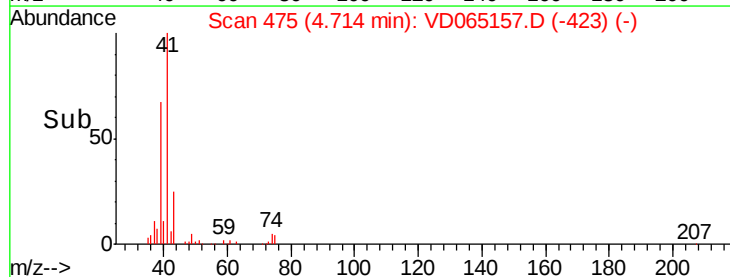
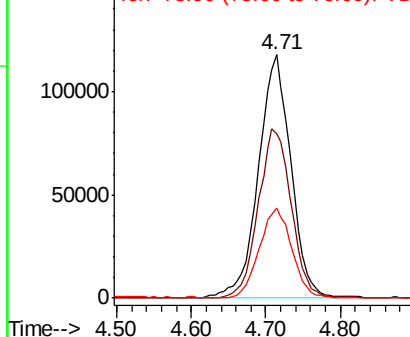
41 100

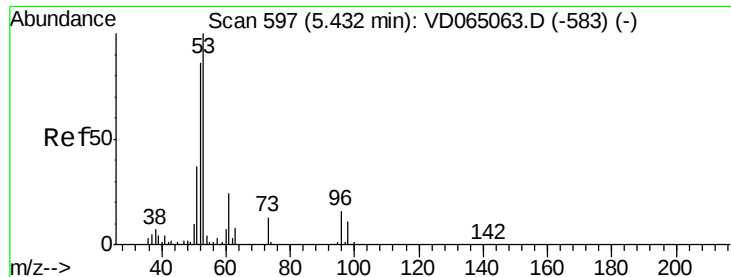
39 70.8 57.1 85.7

76 36.7 28.0 42.0



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 235.720 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065157.D

Acq: 12 Feb 2020 10:15

Instrument :

MSVOA_D

ClientSampleId :

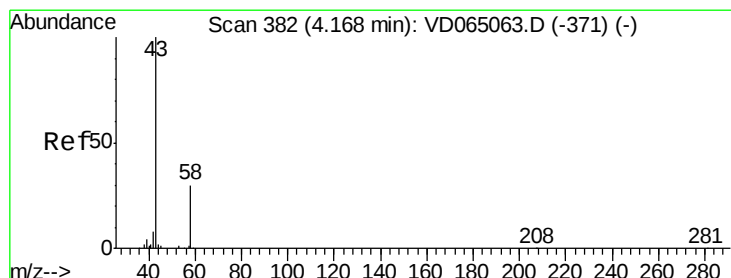
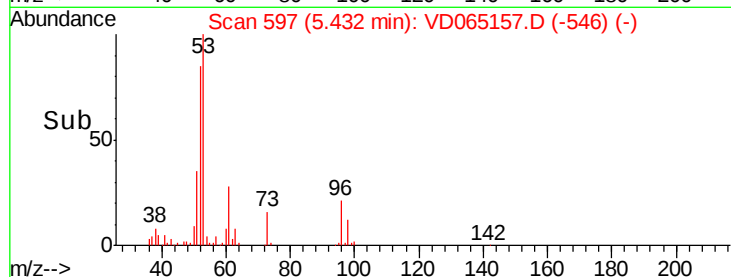
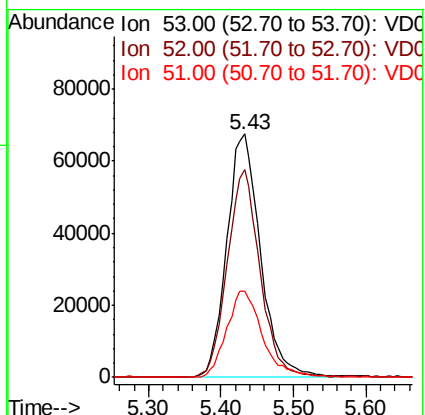
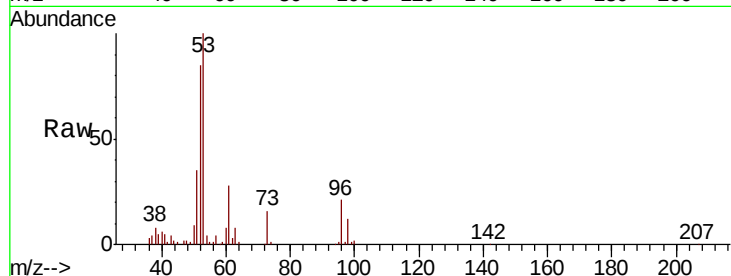
Tot Ion: 53 Resp: 218431

Ion Ratio Lower Upper

53 100

52 82.6 66.2 99.2

51 37.6 30.4 45.6



#16

Acetone

Concen: 268.662 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065157.D

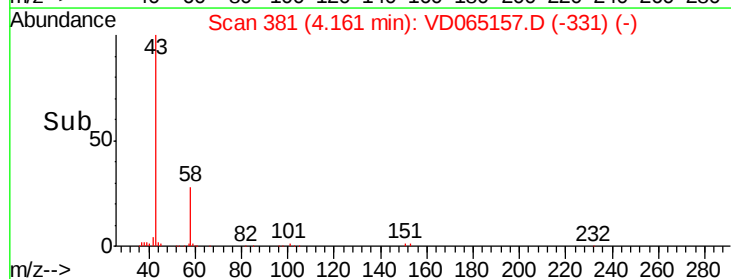
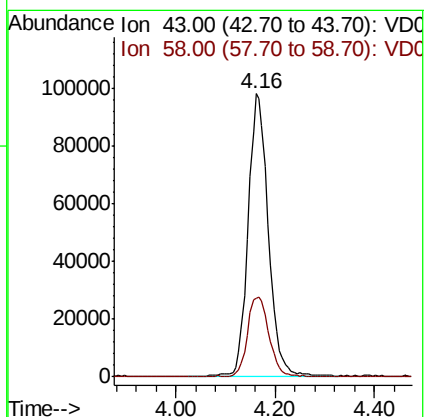
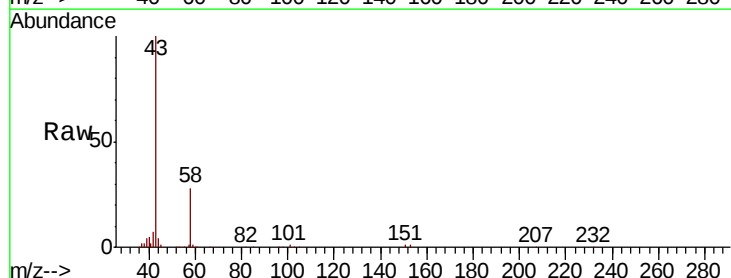
Acq: 12 Feb 2020 10:15

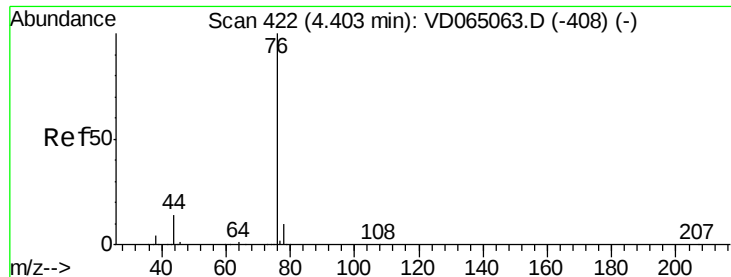
Tgt Ion: 43 Resp: 279572

Ion Ratio Lower Upper

43 100

58 27.7 23.5 35.3

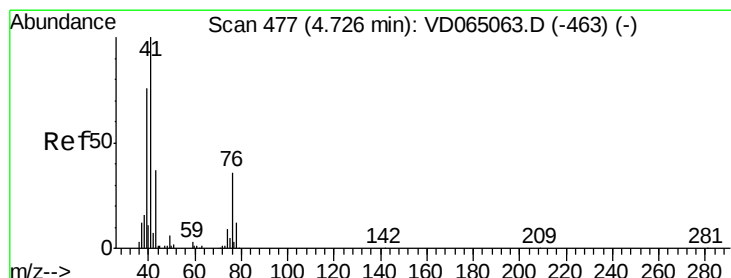
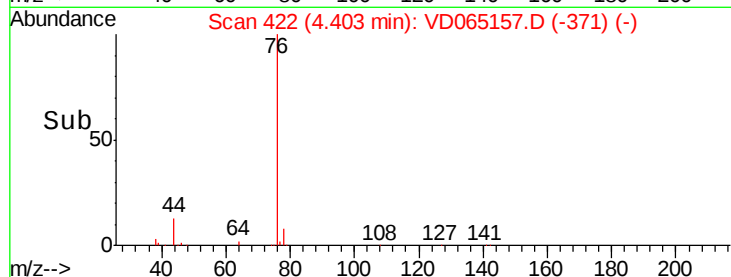
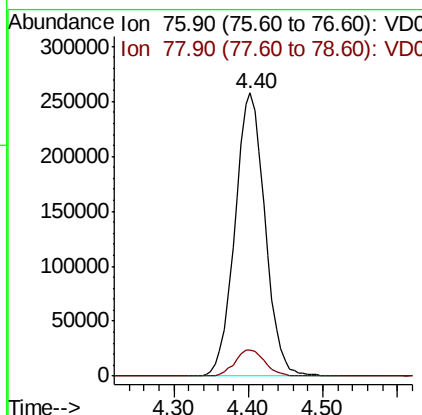
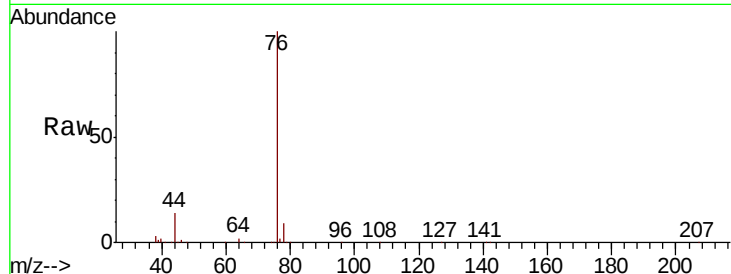




#17
Carbon Disulfide
Concen: 51.897 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

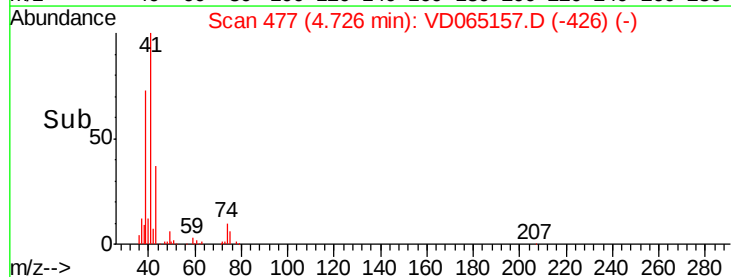
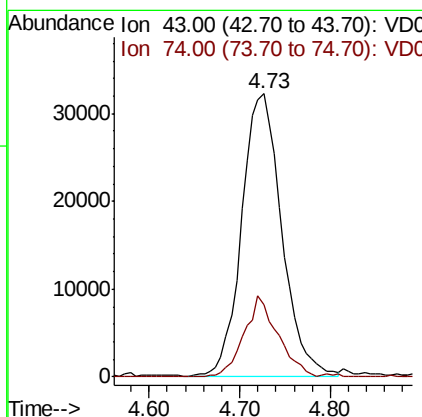
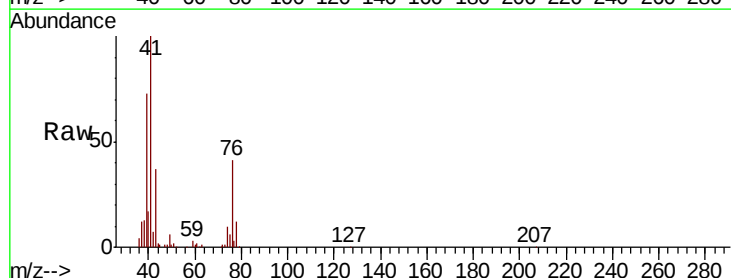
Instrument :
MSVOA_D
ClientSampleId :

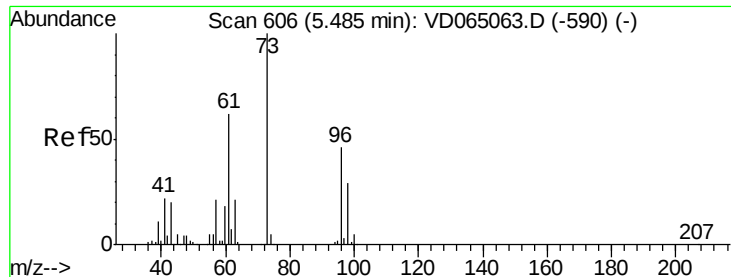
Tot Ion: 76 Resp: 720309
Ion Ratio Lower Upper
76 100
78 9.1 7.6 11.4



#18
Methyl Acetate
Concen: 45.805 ug/l
RT: 4.73 min Scan# 477
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Tgt Ion: 43 Resp: 99586
Ion Ratio Lower Upper
43 100
74 23.9 18.7 28.1

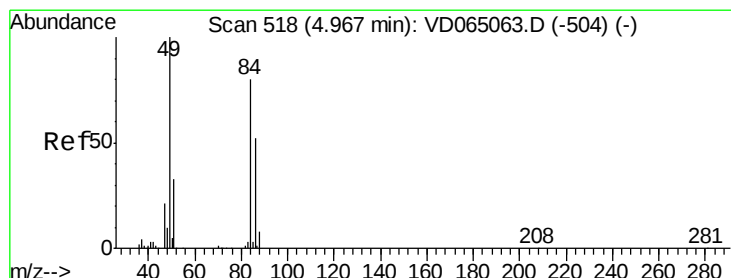
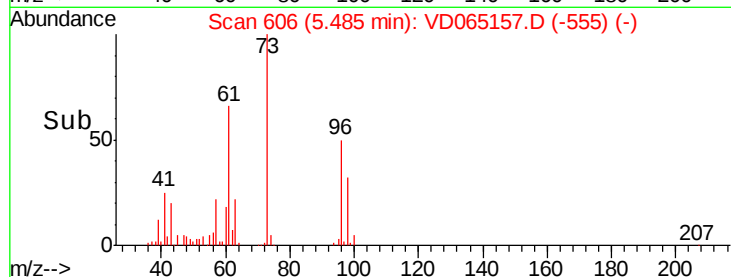
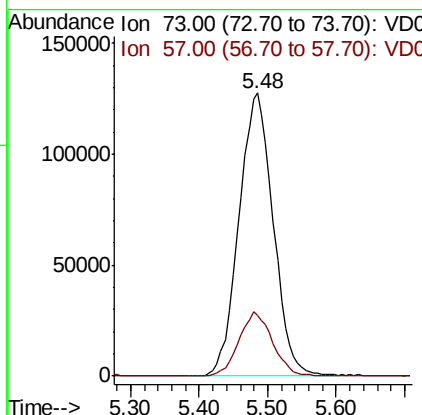
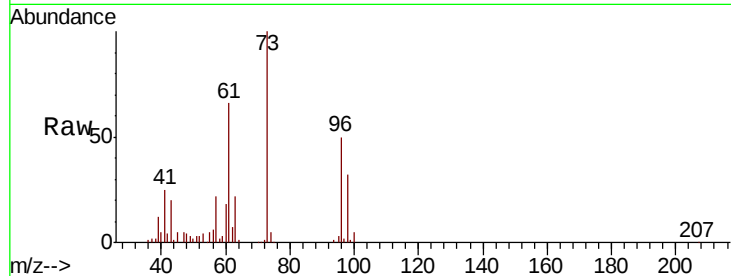




#19
Methyl tert-butyl Ether
Concen: 46.274 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

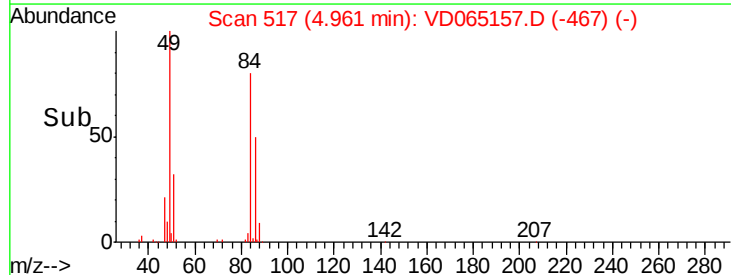
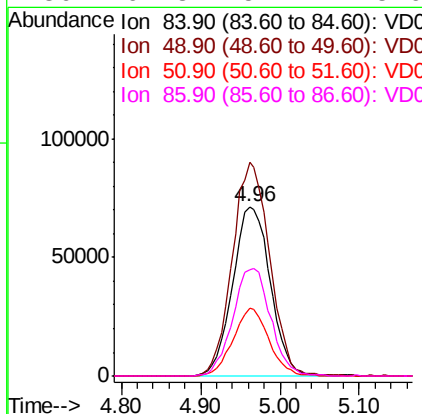
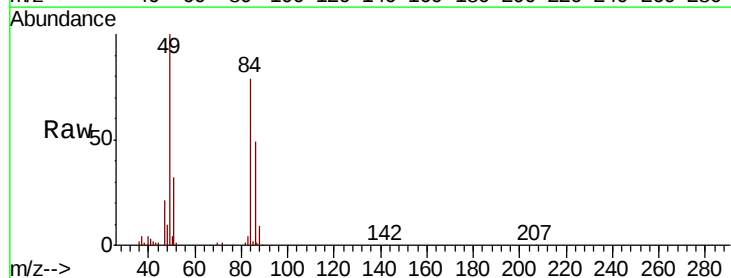
Instrument :
MSVOA_D
ClientSampleID :

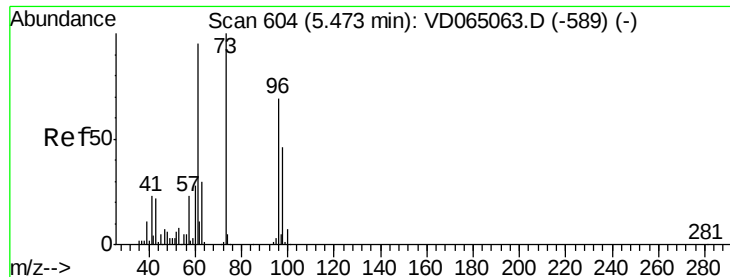
Tot Ion: 73 Resp: 442344
Ion Ratio Lower Upper
73 100
57 21.6 16.8 25.2



#20
Methylene Chloride
Concen: 51.497 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Tgt Ion: 84 Resp: 235418
Ion Ratio Lower Upper
84 100
49 126.0 100.4 150.6
51 40.0 32.7 49.1
86 62.3 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 51.681 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065157.D

Acq: 12 Feb 2020 10:15

Instrument :
MSVOA_D
ClientSampleId :

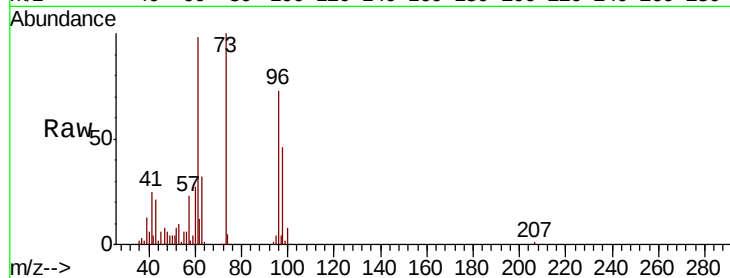
Tot Ion: 96 Resp: 252759

Ion Ratio Lower Upper

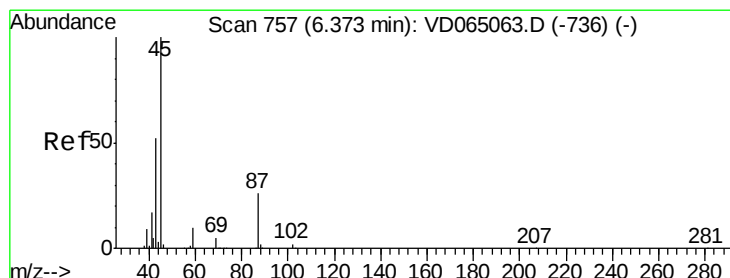
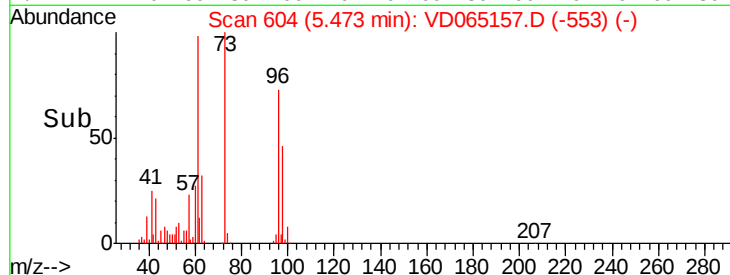
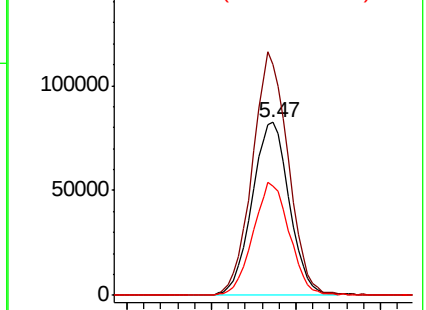
96 100

61 133.8 109.5 164.3

98 63.3 53.7 80.5



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 51.469 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065157.D

Acq: 12 Feb 2020 10:15

Tgt Ion: 45 Resp: 697477

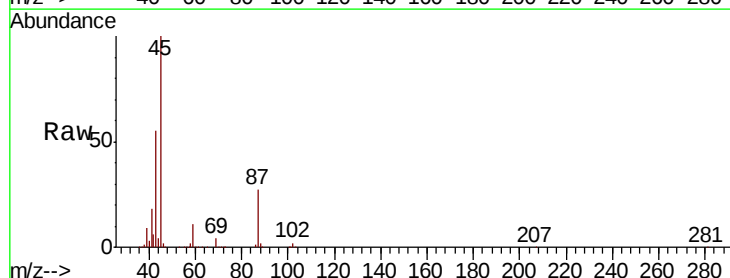
Ion Ratio Lower Upper

45 100

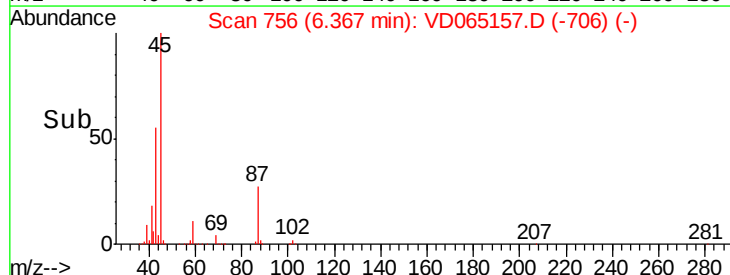
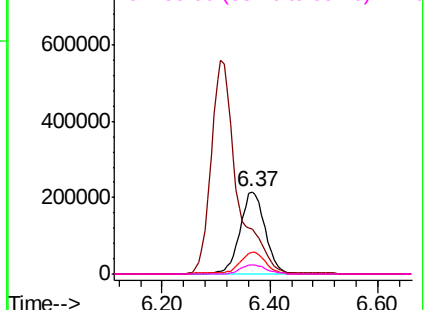
43 54.1 41.3 61.9

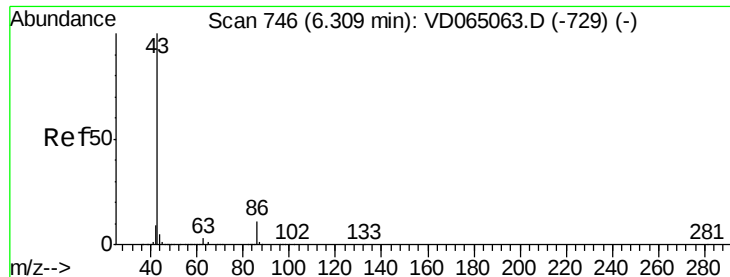
87 26.5 21.0 31.6

59 11.3 8.2 12.4



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 249.703 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD065157.D

Acq: 12 Feb 2020 10:15

Instrument :

MSVOA_D

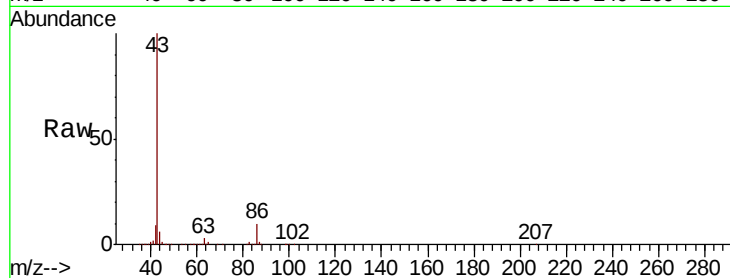
ClientSampled :

Tot Ion: 43 Resp: 1886085

Ion Ratio Lower Upper

43 100

86 10.3 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

600000

500000

400000

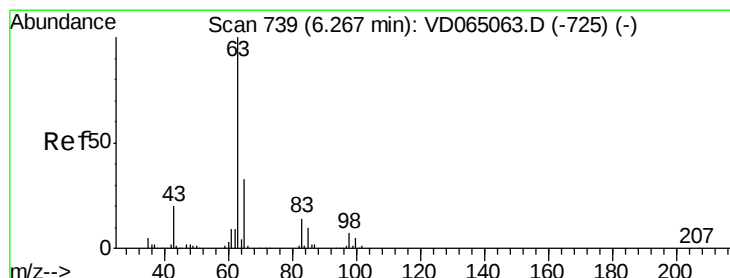
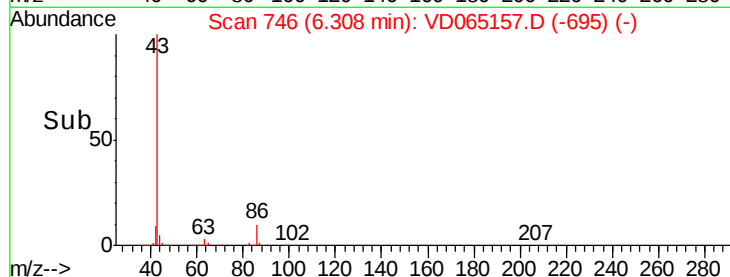
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 52.218 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065157.D

Acq: 12 Feb 2020 10:15

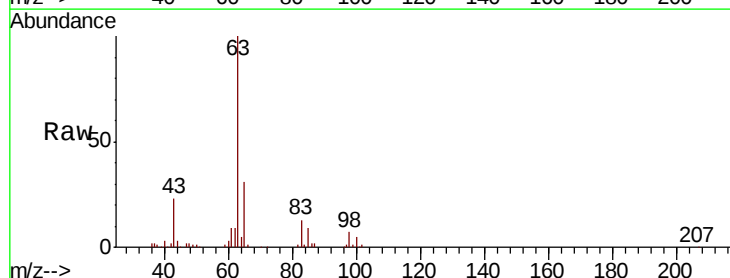
Tgt Ion: 63 Resp: 428316

Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.4

100 5.0 2.5 7.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

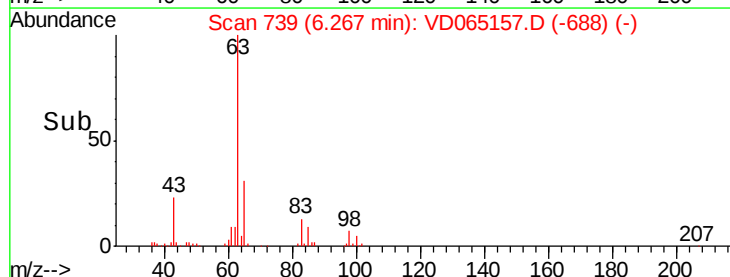
150000

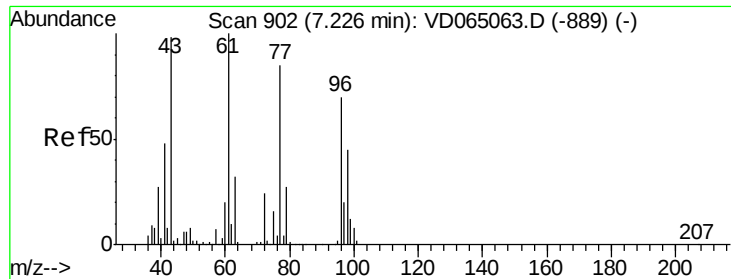
100000

50000

0

Time-->





#25

2-Butanone

Concen: 244.461 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD065157.D

Acq: 12 Feb 2020 10:15

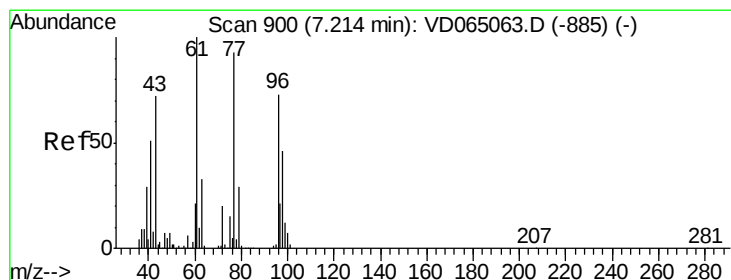
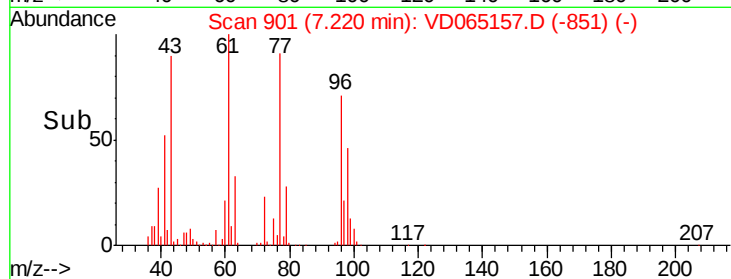
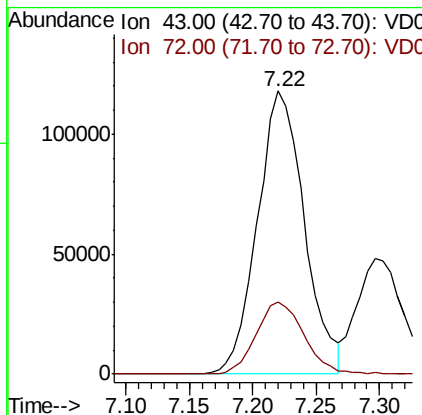
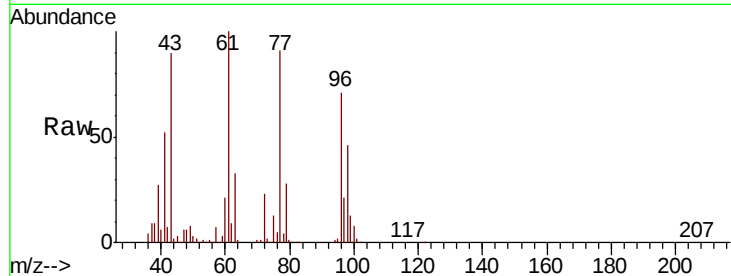
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 303447

Ion Ratio Lower Upper

43 100

72 25.6 19.9 29.9



#26

2,2-Dichloropropane

Concen: 52.521 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065157.D

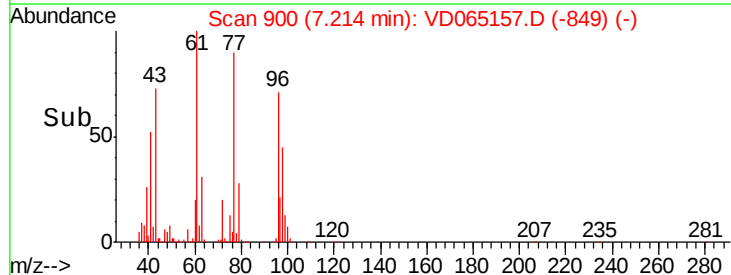
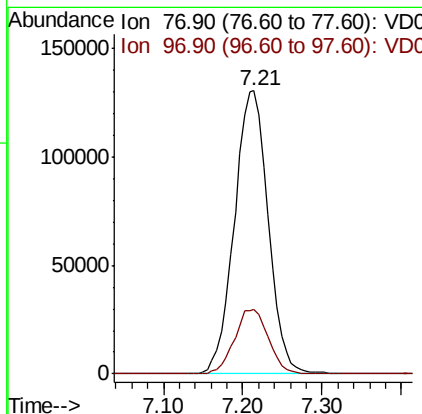
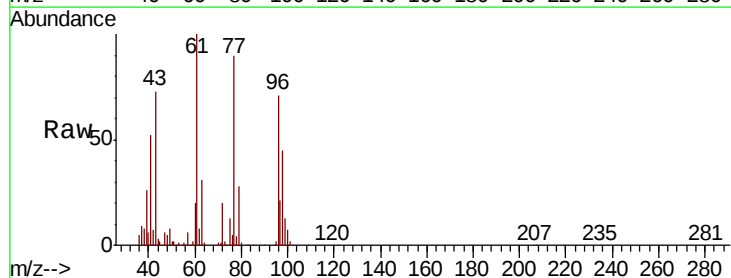
Acq: 12 Feb 2020 10:15

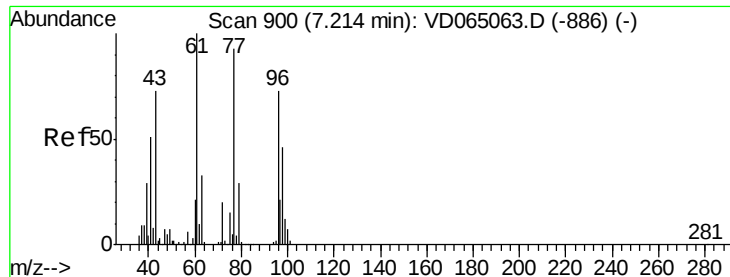
Tgt Ion: 77 Resp: 386139

Ion Ratio Lower Upper

77 100

97 22.9 10.9 32.6



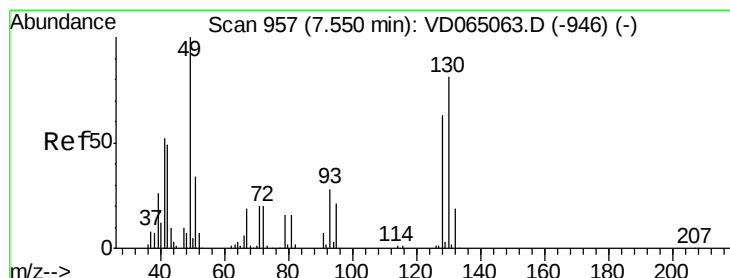
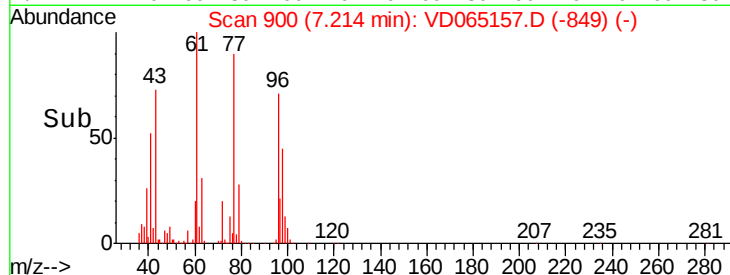
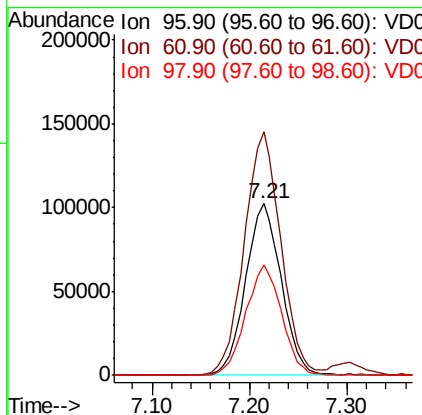
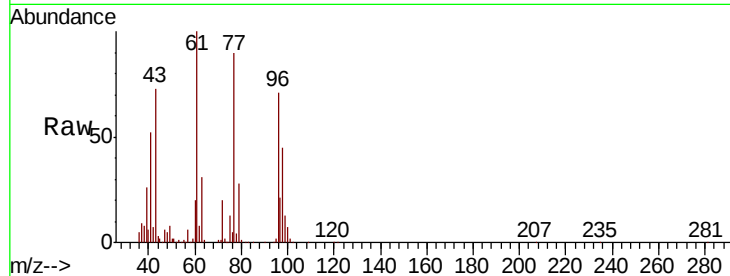


#27

cis-1,2-Dichloroethene
Concen: 50.722 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Instrument :
MSVOA_D
ClientSampleId :

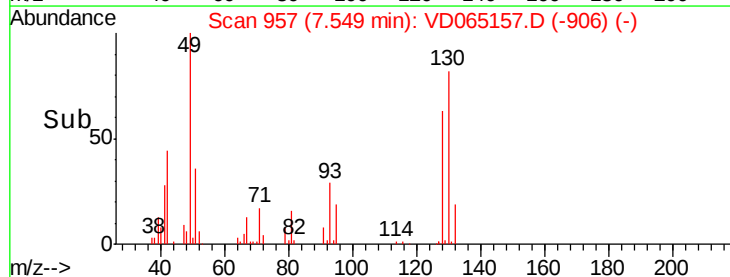
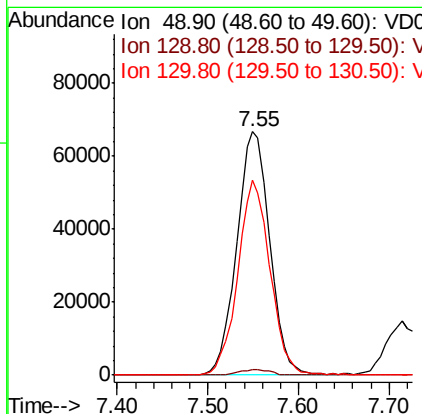
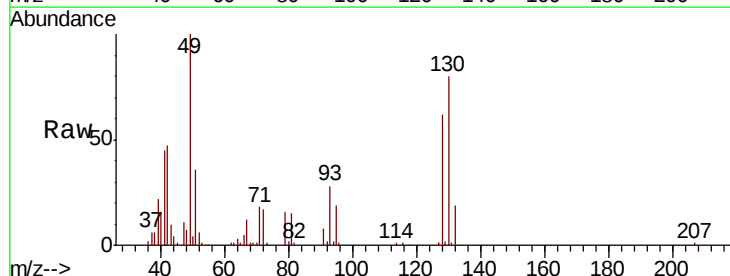
Tot Ion	96	Resp	263538
Ion	Ratio	Lower	Upper
96	100		
61	144.7	0.0	292.8
98	64.5	0.0	128.8

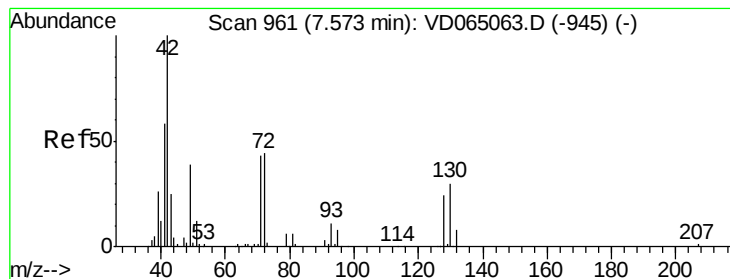


#28

Bromochloromethane
Concen: 54.285 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Tgt Ion	49	Resp	168791
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	78.1	63.8	95.8





#29

Tetrahydrofuran

Concen: 229.210 ug/l

RT: 7.57 min Scan# 961

Delta R.T. -0.00 min

Lab File: VD065157.D

Acq: 12 Feb 2020 10:15

Instrument :
MSVOA_D
ClientSampled :

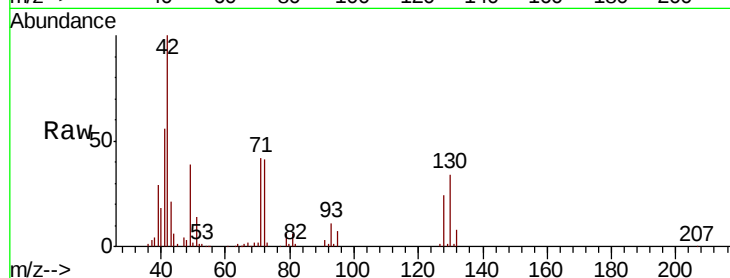
Tot Ion: 42 Resp: 172057

Ion Ratio Lower Upper

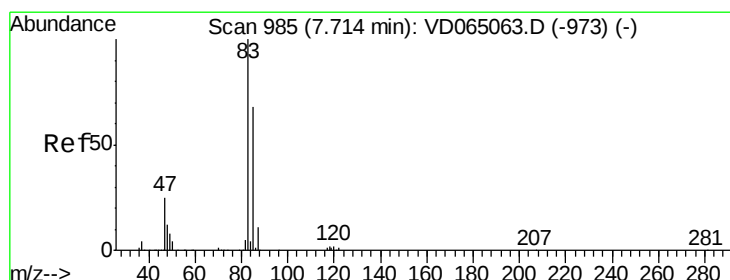
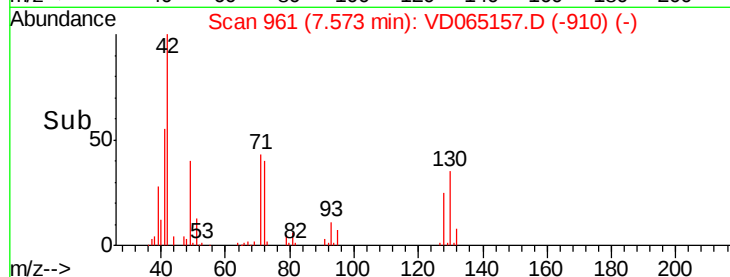
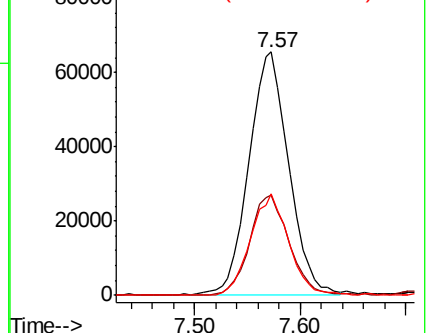
42 100

72 40.9 34.2 51.4

71 39.8 31.8 47.6



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



#30

Chloroform

Concen: 52.490 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD065157.D

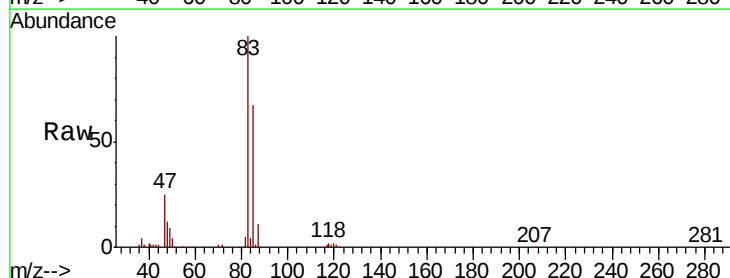
Acq: 12 Feb 2020 10:15

Tgt Ion: 83 Resp: 428697

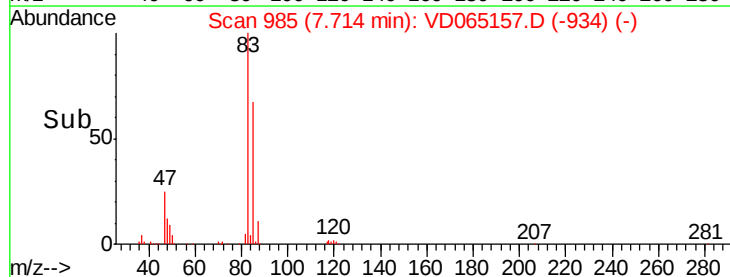
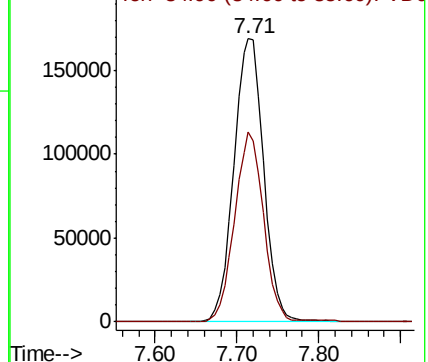
Ion Ratio Lower Upper

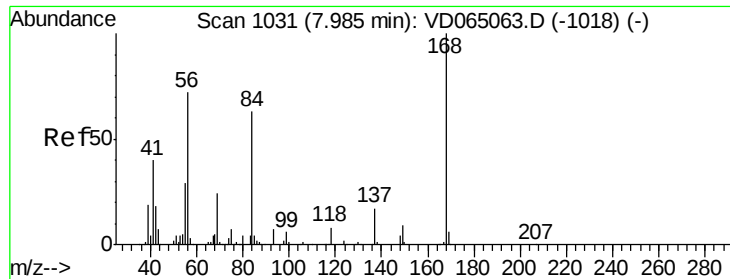
83 100

85 67.1 54.2 81.4



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

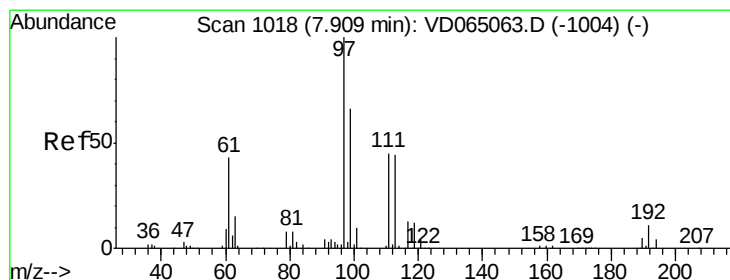
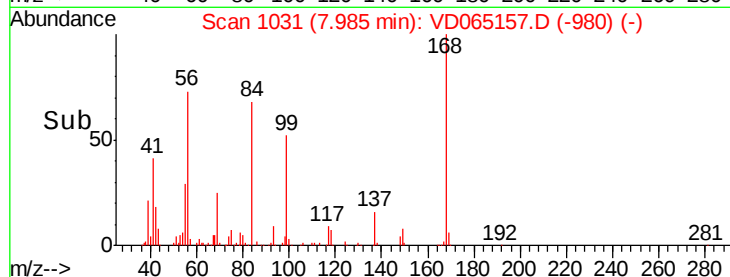
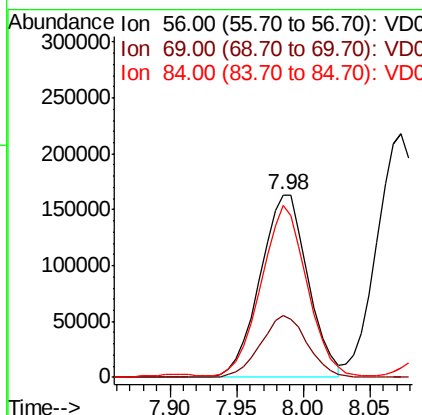
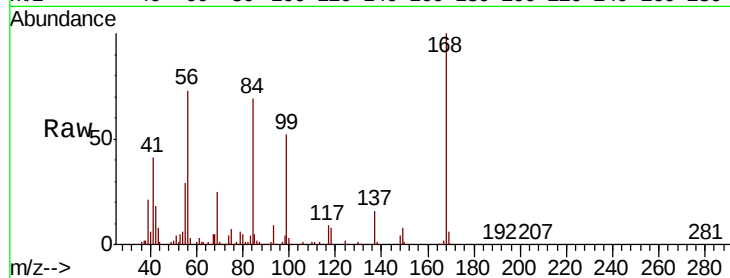




#31
Cyclohexane
Concen: 49.086 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

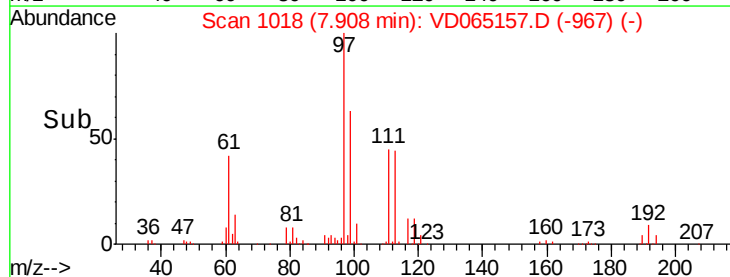
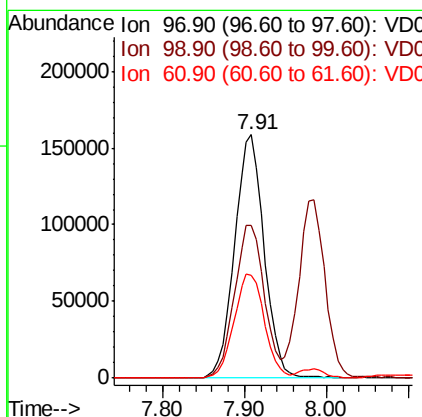
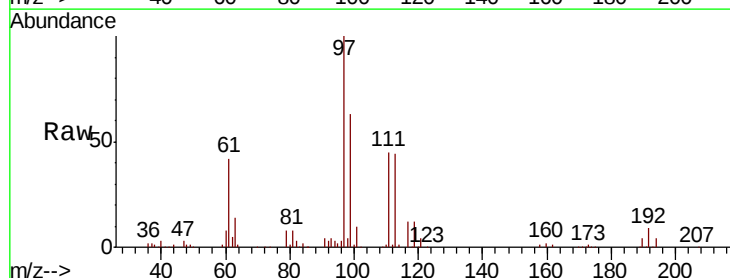
Instrument :
MSVOA_D
ClientSampled :

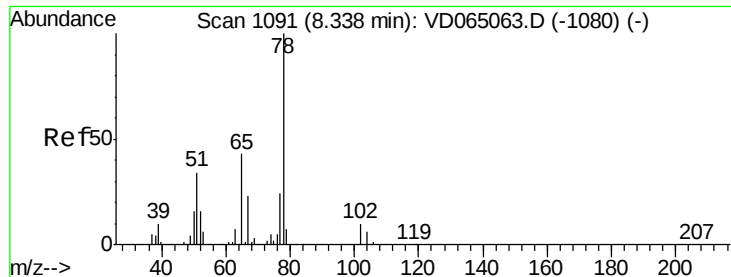
Tot Ion: 56 Resp: 406427
Ion Ratio Lower Upper
56 100
69 34.0 26.6 40.0
84 92.7 70.6 106.0



#32
1,1,1-Trichloroethane
Concen: 52.475 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Tgt Ion: 97 Resp: 399231
Ion Ratio Lower Upper
97 100
99 63.5 51.5 77.3
61 44.1 34.8 52.2

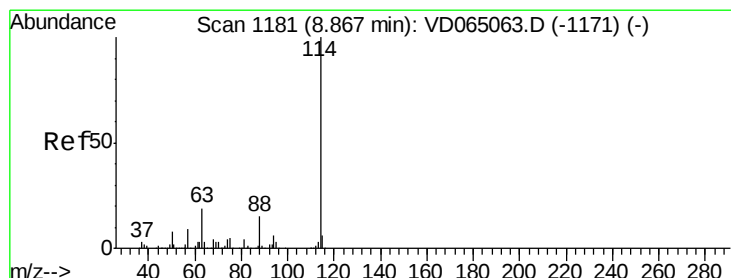
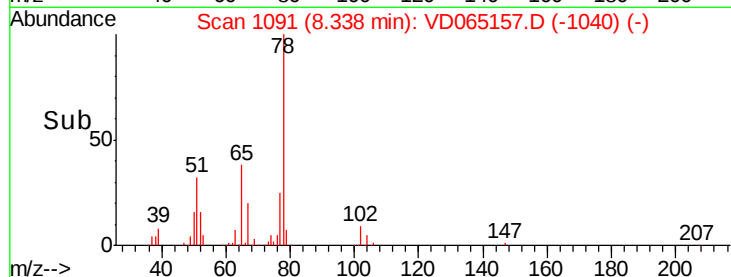
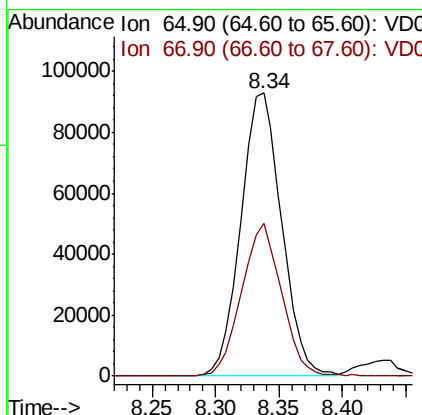
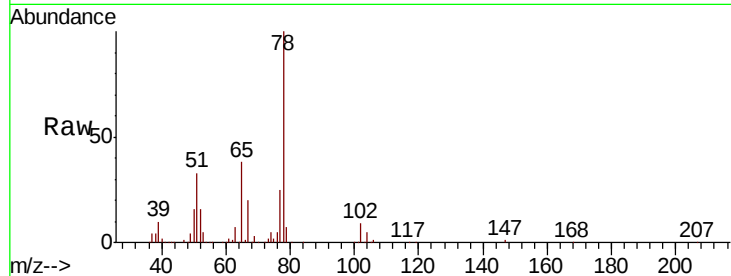




#33
 1,2-Dichloroethane-d4
 Concen: 50.043 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065157.D
 Acq: 12 Feb 2020 10:15

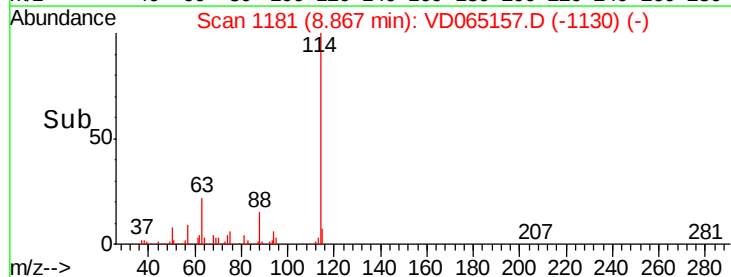
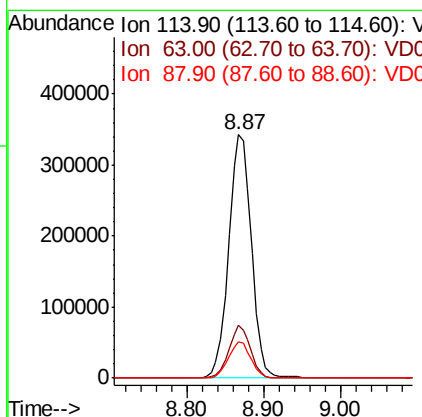
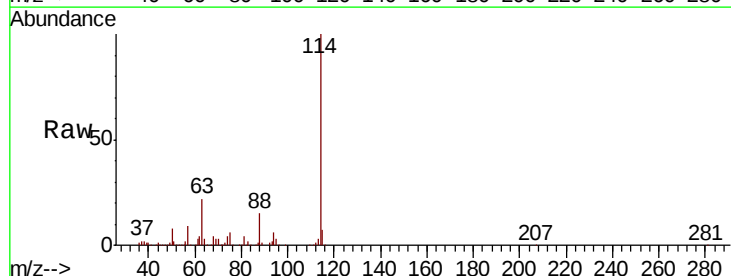
Instrument :
 MSVOA_D
 ClientSampleId :

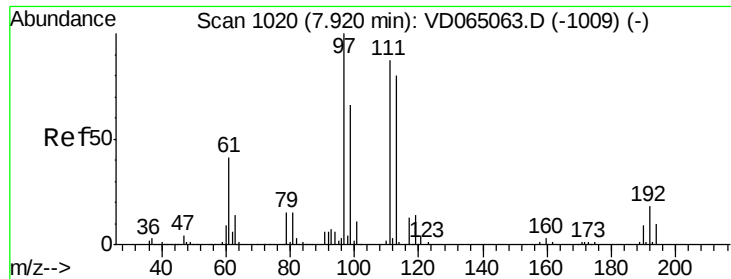
Tot Ion: 65 Resp: 208285
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065157.D
 Acq: 12 Feb 2020 10:15

Tgt Ion: 114 Resp: 705245
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 38.8
 88 15.1 0.0 29.6

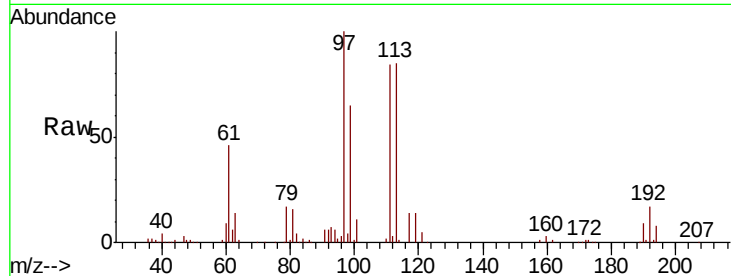




#35
 Dibromofluoromethane
 Concen: 54.795 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065157.D
 Acq: 12 Feb 2020 10:15

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	83.1	124.7
192	21.7	18.1	27.1

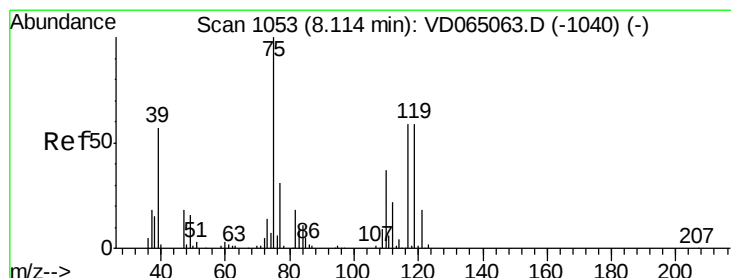
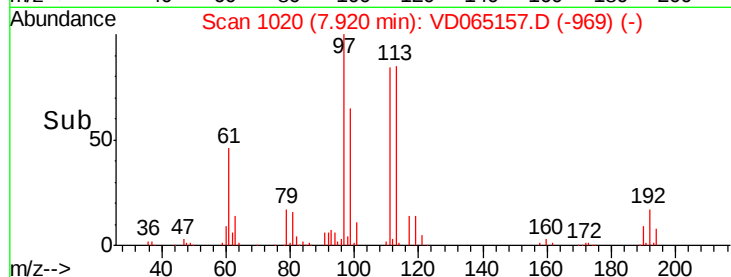
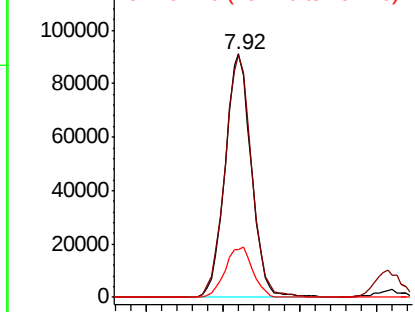


Abundance

Ion 112.80 (112.50 to 113.50): V

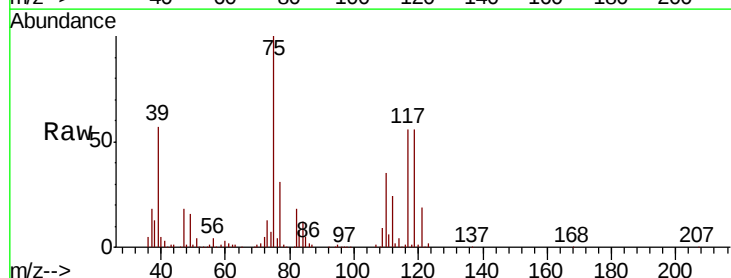
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 54.322 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065157.D
 Acq: 12 Feb 2020 10:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.0	18.1	54.3
77	31.5	24.7	37.1

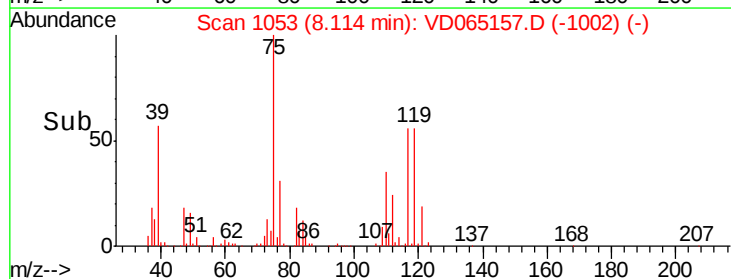
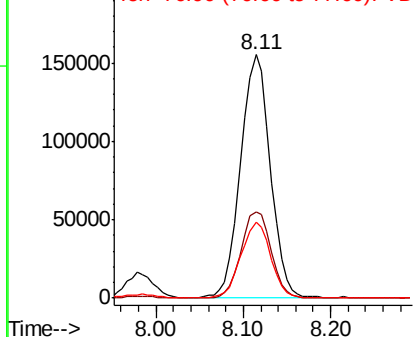


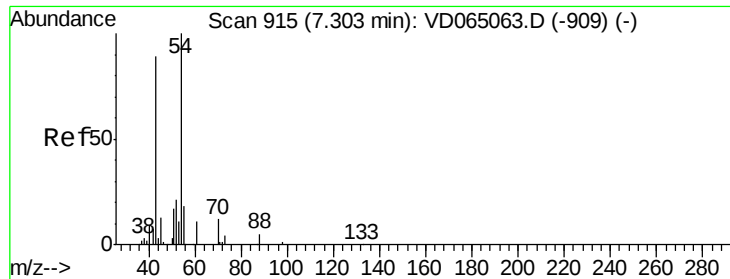
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

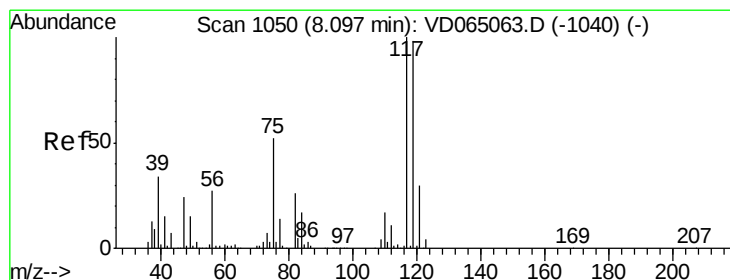
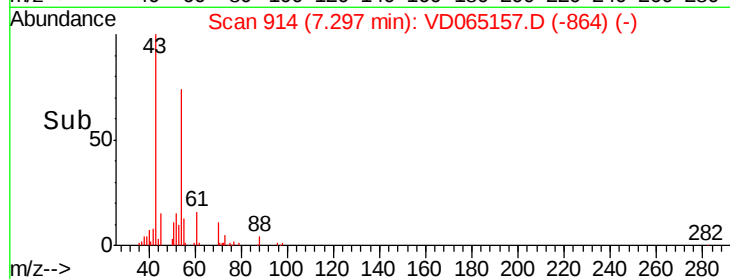
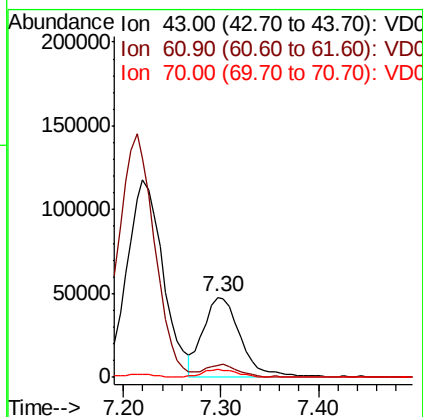
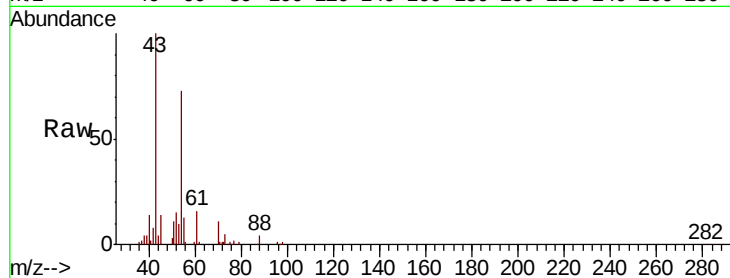




#37
Ethyl Acetate
Concen: 46.549 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

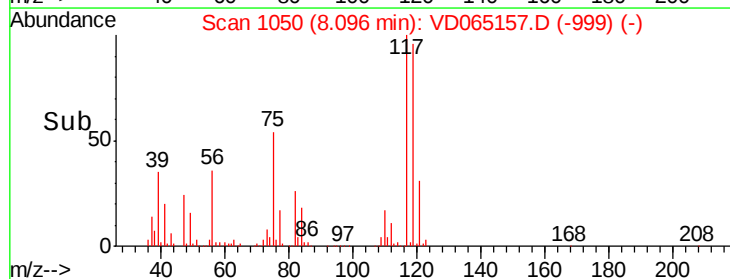
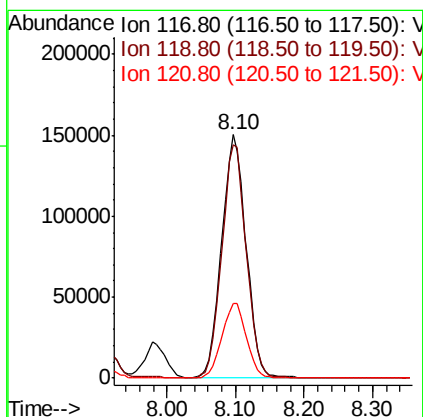
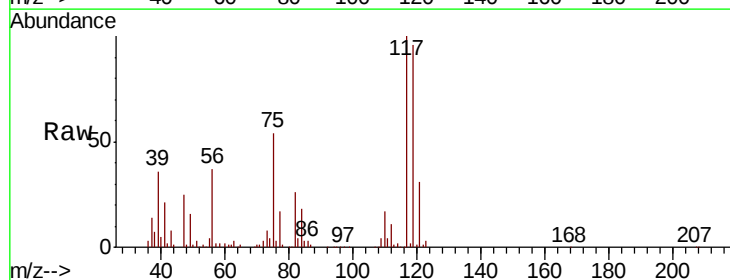
Instrument :
MSVOA_D
ClientSampleId :

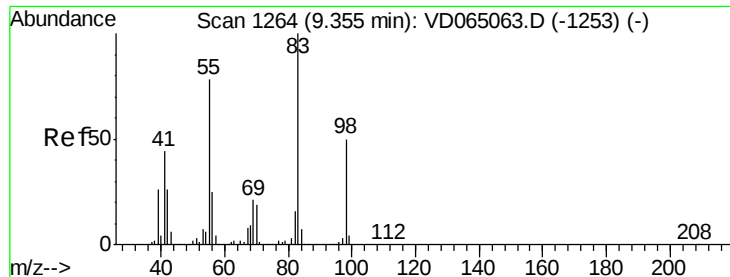
Tot Ion: 43 Resp: 124708
Ion Ratio Lower Upper
43 100
61 14.2 11.0 16.4
70 9.6 8.2 12.2



#38
Carbon Tetrachloride
Concen: 55.194 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Tgt Ion: 117 Resp: 369670
Ion Ratio Lower Upper
117 100
119 96.0 78.5 117.7
121 30.9 23.8 35.6

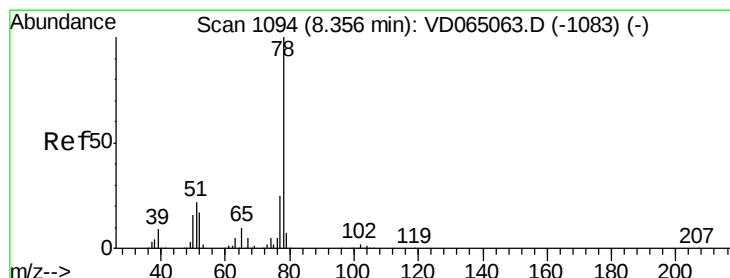
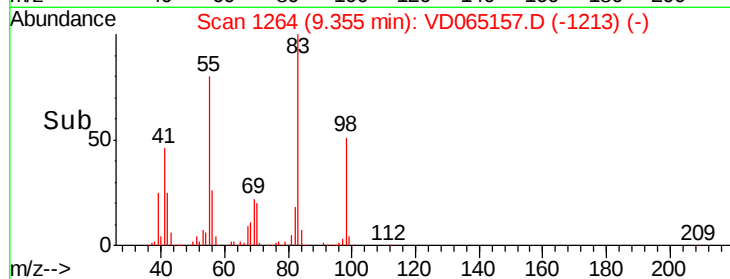
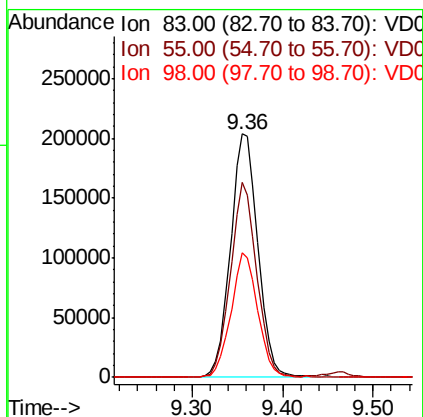
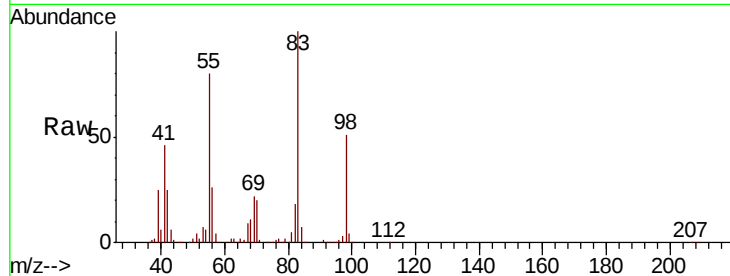




#39
Methvlcvclohexane
Concen: 52.945 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

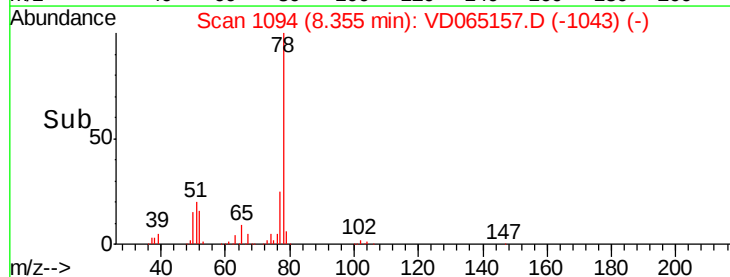
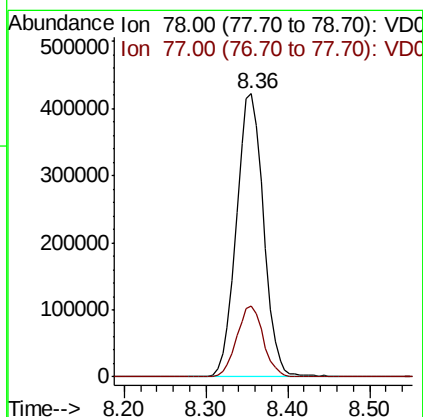
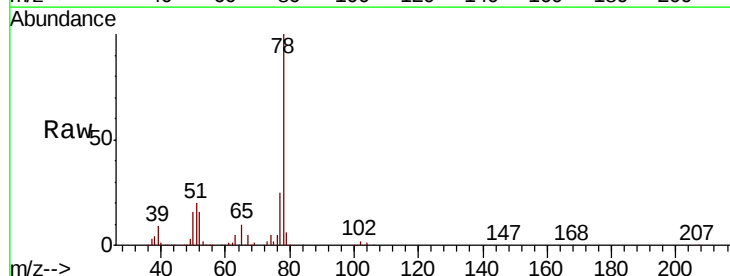
Instrument :
MSVOA_D
ClientSampled :

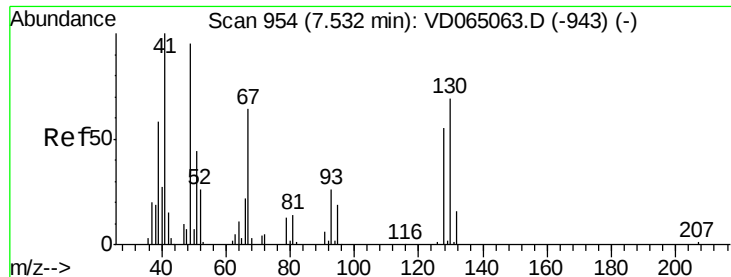
Tot Ion: 83 Resp: 428551
Ion Ratio Lower Upper
83 100
55 80.2 62.0 93.0
98 51.1 39.9 59.9



#40
Benzene
Concen: 53.961 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Tgt Ion: 78 Resp: 977187
Ion Ratio Lower Upper
78 100
77 25.2 19.6 29.4

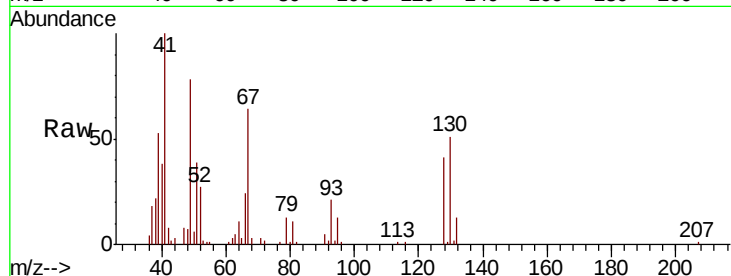




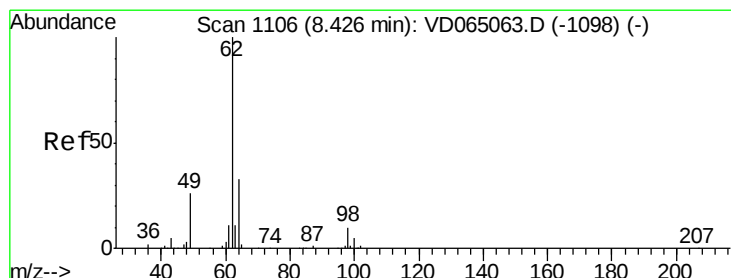
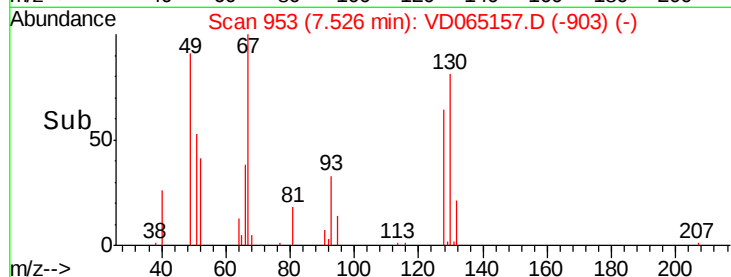
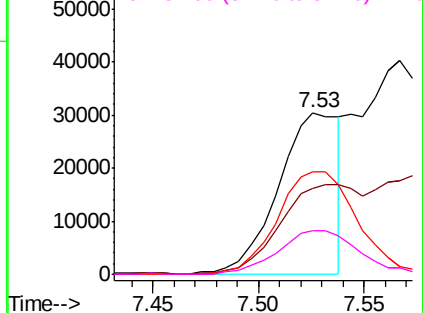
#41
Methacrylonitrile
Concen: 41.603 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:	41	Resp:	61404
Ion	Ratio	Lower	Upper
41	100		
39	73.0	55.4	83.0
67	83.0	59.0	88.6
52	36.3	25.4	38.0

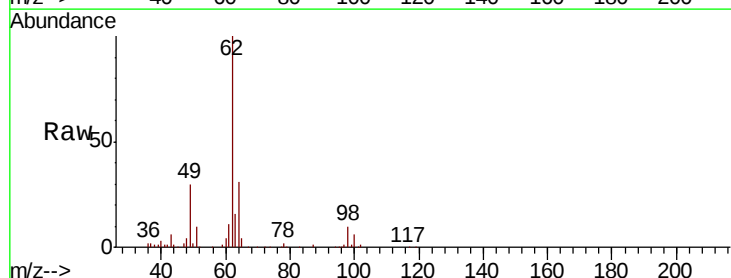


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

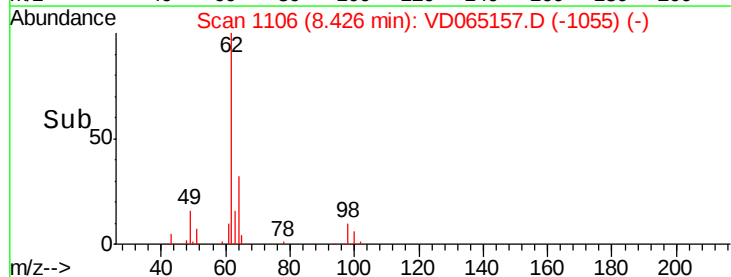
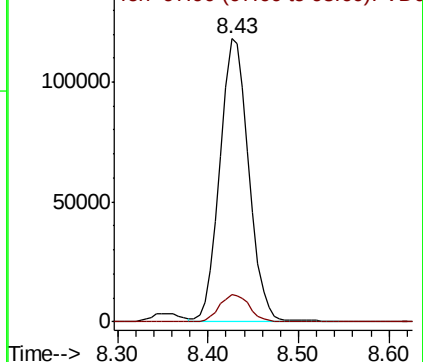


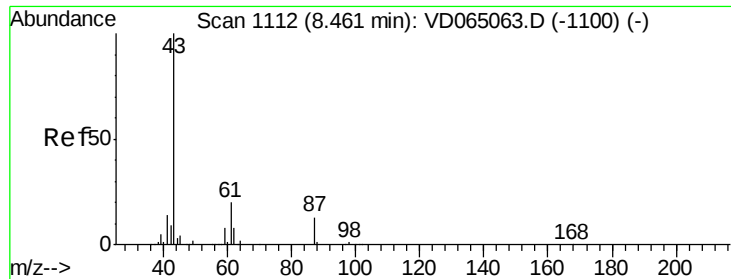
#42
1,2-Dichloroethane
Concen: 50.525 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Tgt Ion:	62	Resp:	260704
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	18.6



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

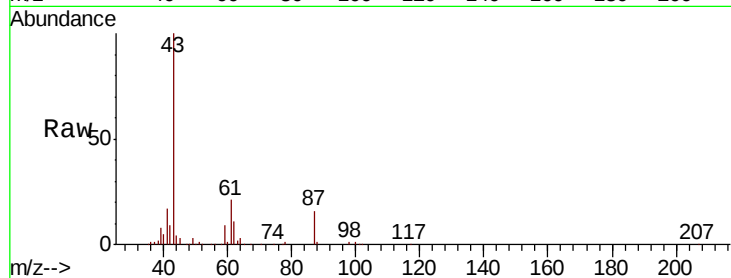




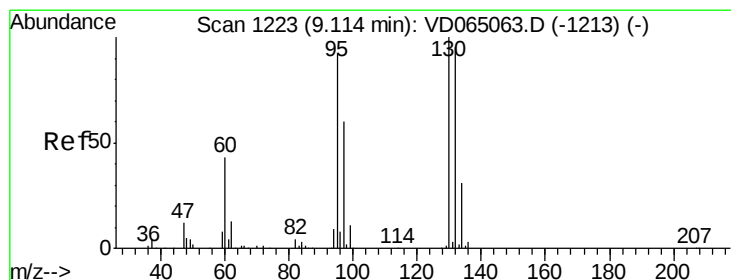
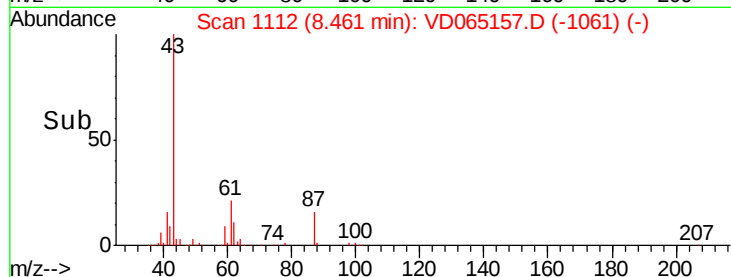
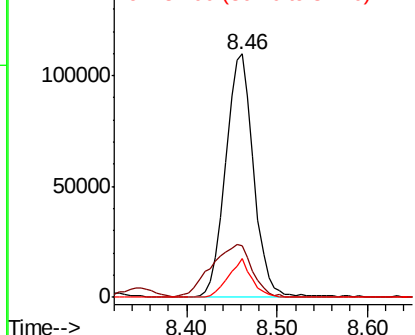
#43
Isopropyl Acetate
Concen: 45.952 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	43	Resp	235498
Ion Ratio	Lower	Upper	
43	100		
61	31.1	24.0	36.0
87	13.3	10.2	15.4

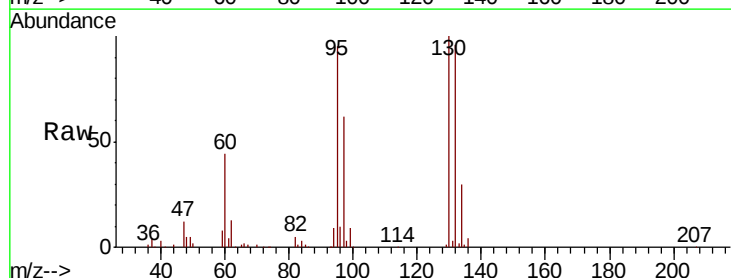


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC

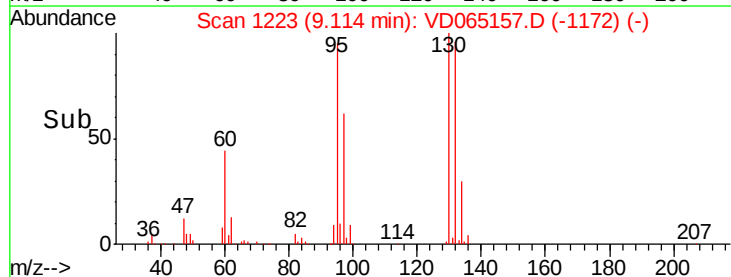
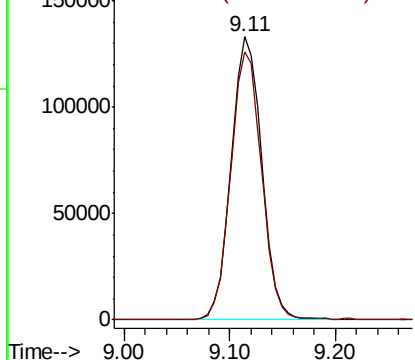


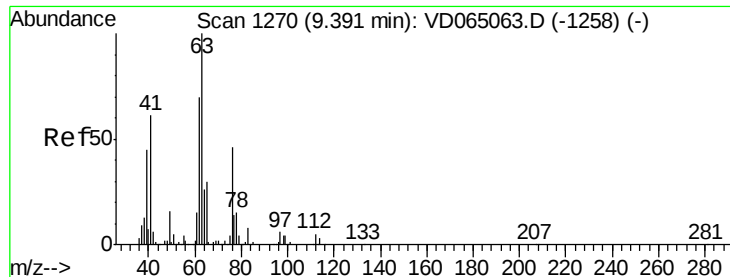
#44
Trichloroethene
Concen: 51.209 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Tgt Ion	130	Resp	266179
Ion Ratio	Lower	Upper	
130	100		
95	94.6	0.0	185.0



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

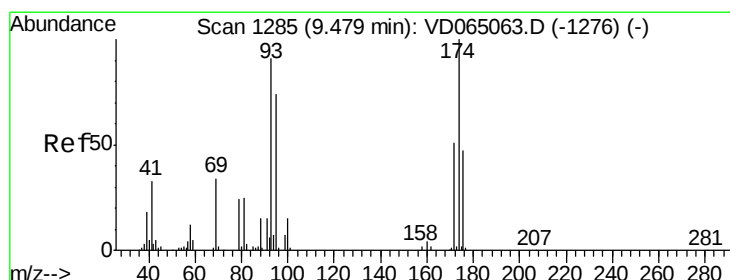
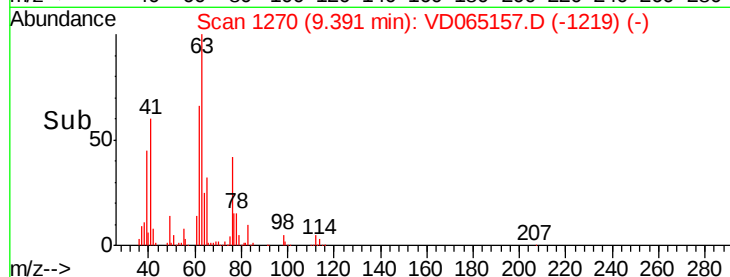
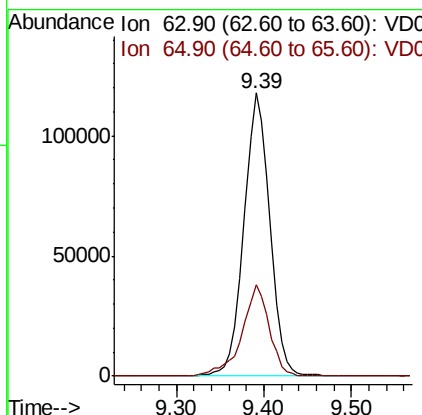
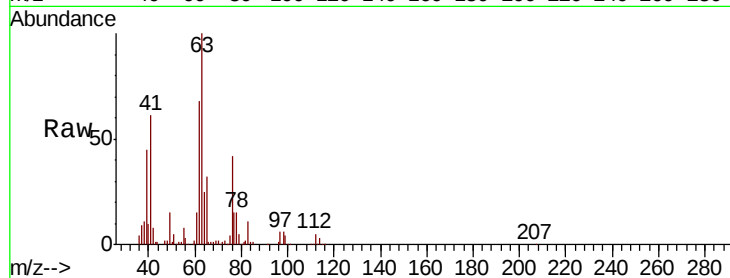




#45
 1,2-Dichloropropane
 Concen: 54.389 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065157.D
 Acq: 12 Feb 2020 10:15

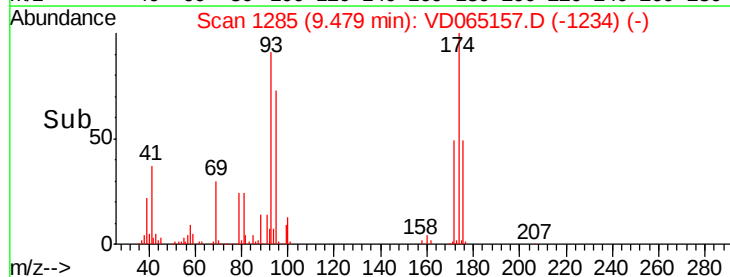
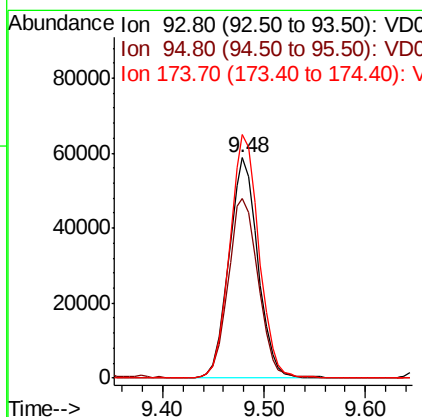
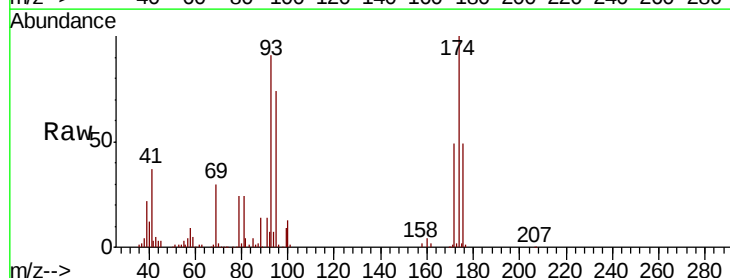
Instrument :
 MSVOA_D
 ClientSampleId :

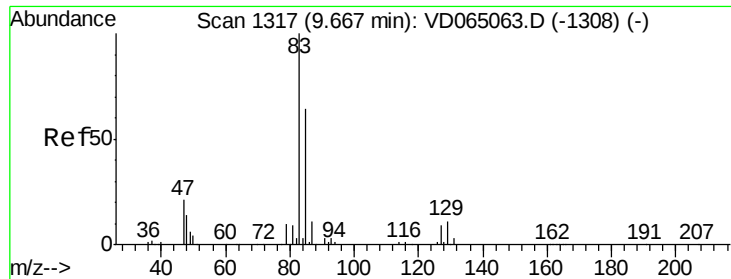
Tot Ion: 63 Resp: 236147
 Ion Ratio Lower Upper
 63 100
 65 32.4 23.9 35.9



#46
 Dibromomethane
 Concen: 51.055 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065157.D
 Acq: 12 Feb 2020 10:15

Tgt Ion: 93 Resp: 116483
 Ion Ratio Lower Upper
 93 100
 95 84.3 66.5 99.7
 174 111.1 89.8 134.8





#47

Bromodichloromethane

Concen: 53.574 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065157.D

Acq: 12 Feb 2020 10:15

Instrument :

MSVOA_D

ClientSampleId :

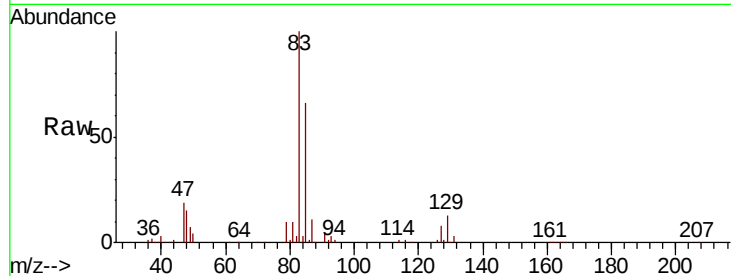
Tot Ion: 83 Resp: 322063

Ion Ratio Lower Upper

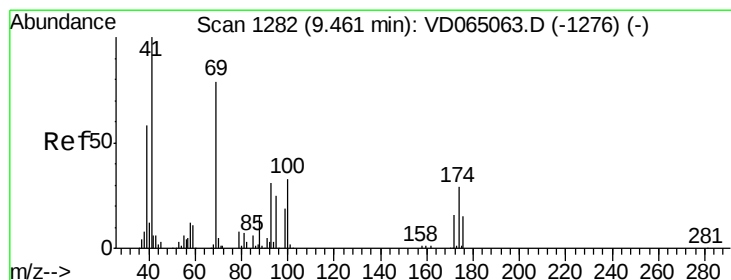
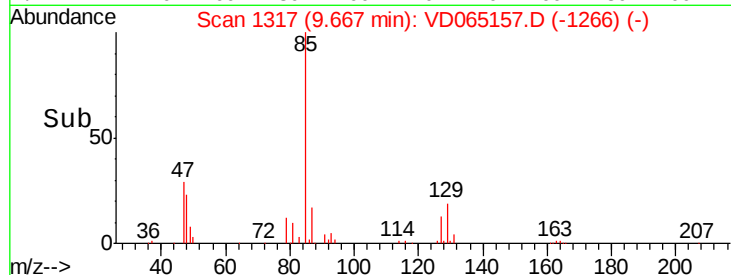
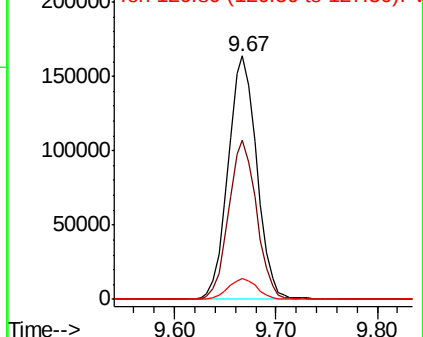
83 100

85 65.6 51.0 76.6

127 8.5 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 45.653 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD065157.D

Acq: 12 Feb 2020 10:15

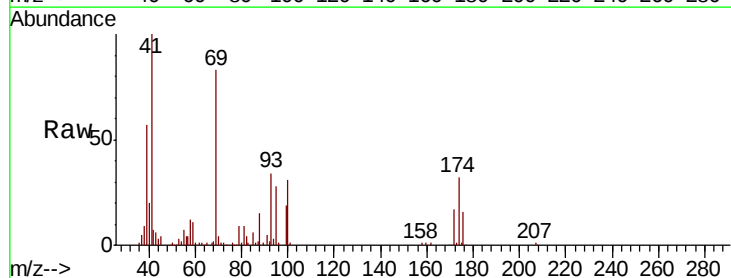
Tgt Ion: 41 Resp: 112584

Ion Ratio Lower Upper

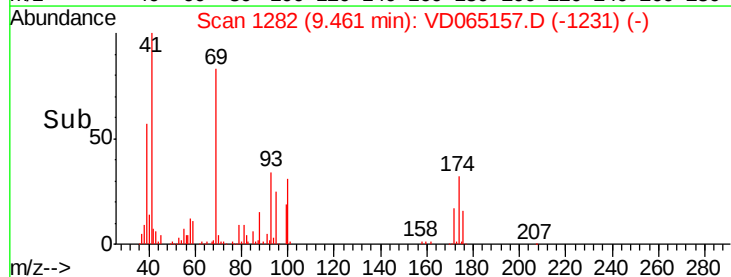
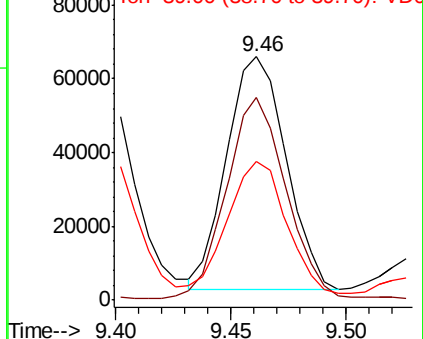
41 100

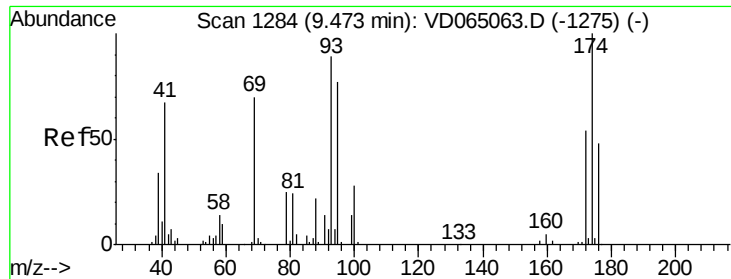
69 87.9 67.5 101.3

39 56.3 47.0 70.4



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





#49

1,4-Dioxane

Concen: 945.602 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.01 min

Lab File: VD065157.D

Acq: 12 Feb 2020 10:15

Instrument :
MSVOA_D
ClientSampled :

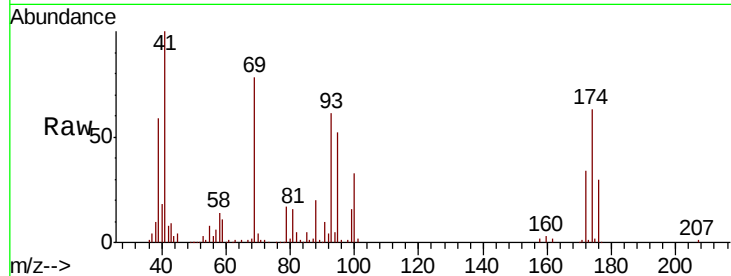
Tot Ion: 88 Resp: 25553

Ion Ratio Lower Upper

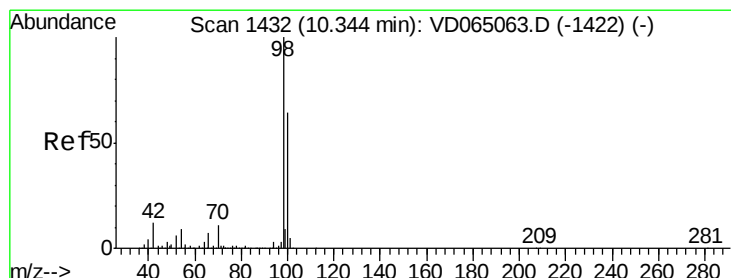
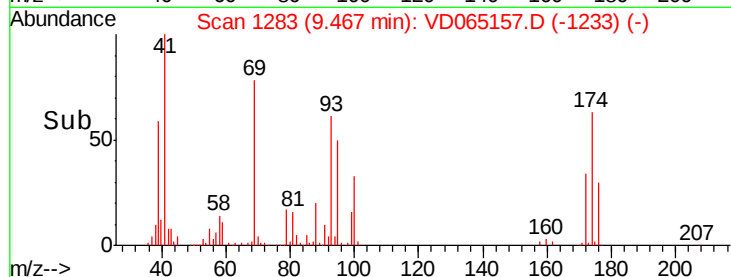
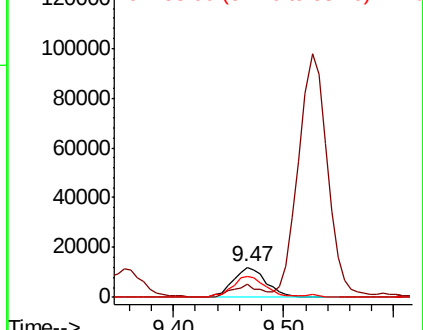
88 100

43 38.7 27.7 41.5

58 69.5 55.5 83.3



Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 54.329 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065157.D

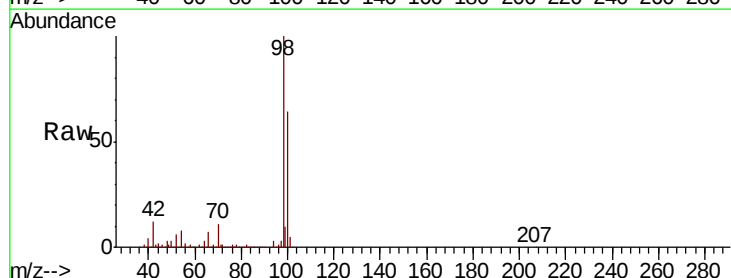
Acq: 12 Feb 2020 10:15

Tgt Ion: 98 Resp: 850892

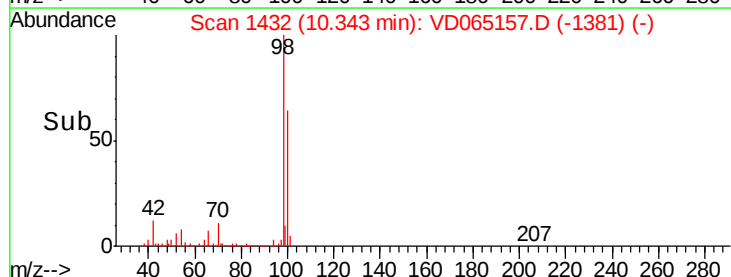
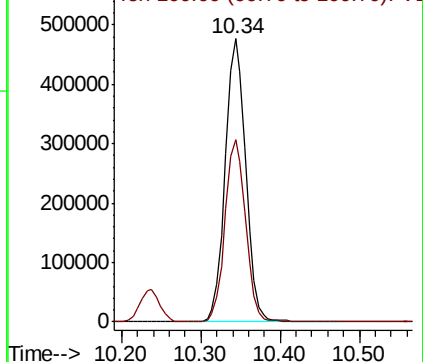
Ion Ratio Lower Upper

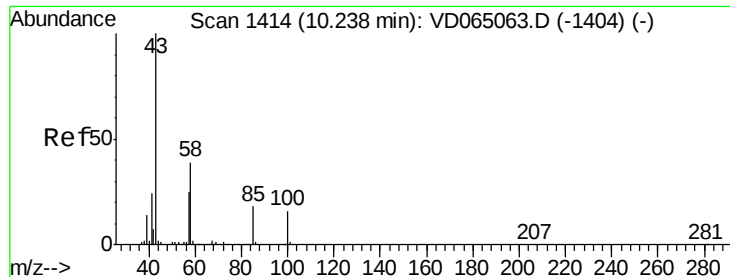
98 100

100 64.7 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC

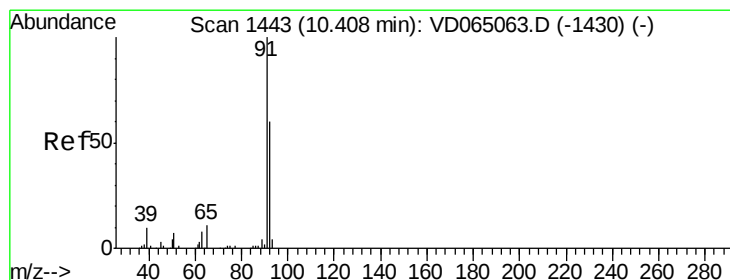
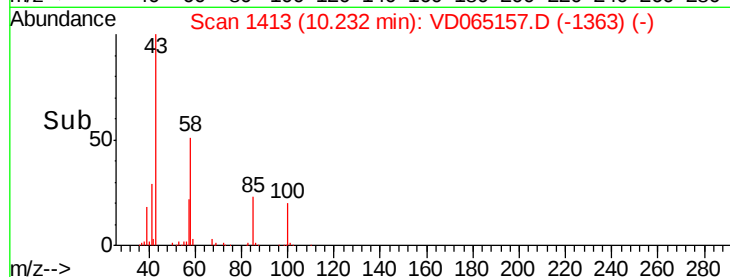
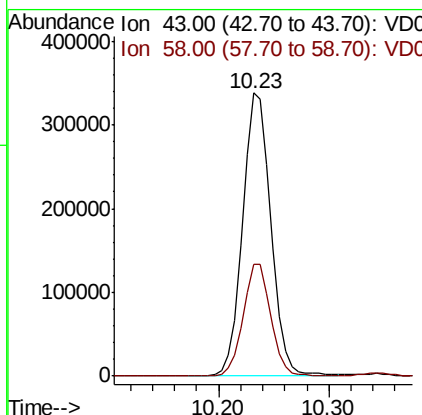
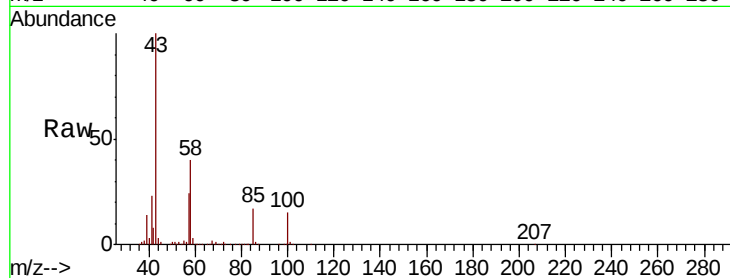




#51
4-Methyl-2-Pentanone
Concen: 241.567 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

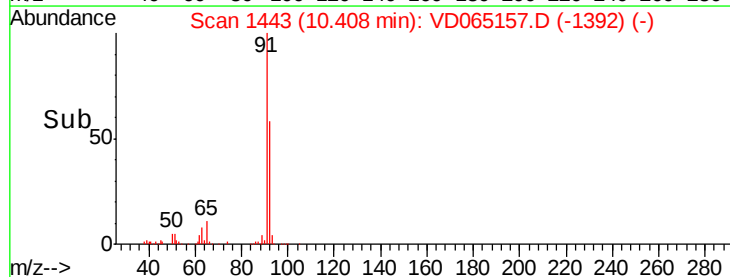
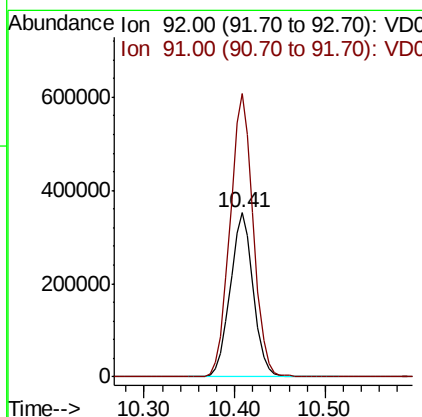
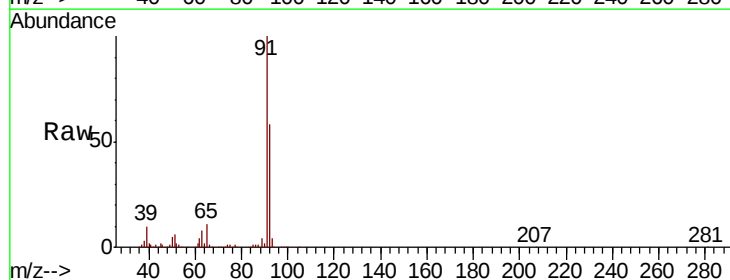
Instrument :
MSVOA_D
ClientSampleId :

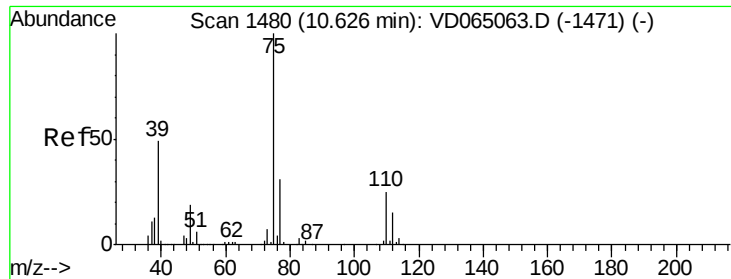
Tot Ion: 43 Resp: 609362
Ion Ratio Lower Upper
43 100
58 38.7 30.2 45.2



#52
Toluene
Concen: 53.814 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Tgt Ion: 92 Resp: 621979
Ion Ratio Lower Upper
92 100
91 174.0 135.3 202.9

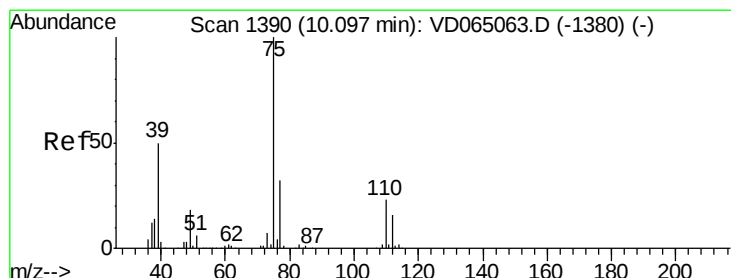
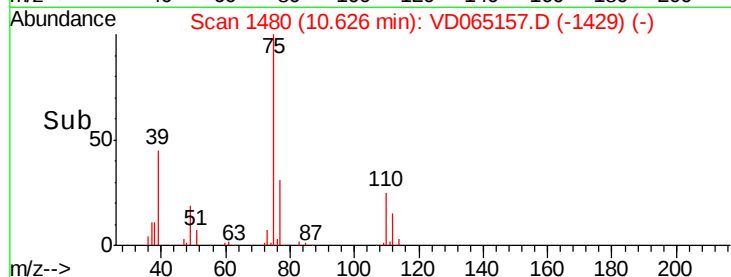
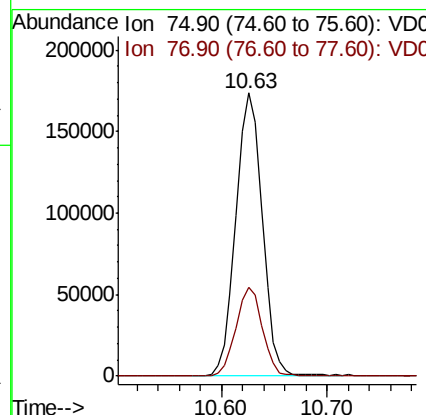
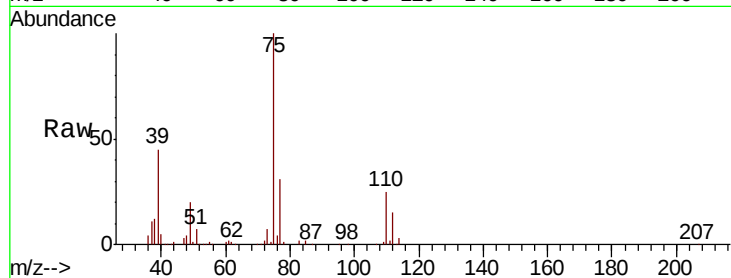




#53
t-1,3-Dichloropropene
Concen: 51.504 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

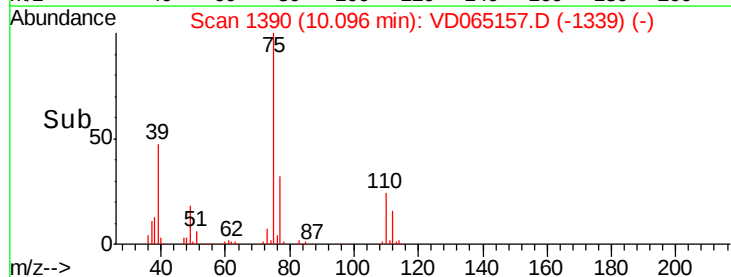
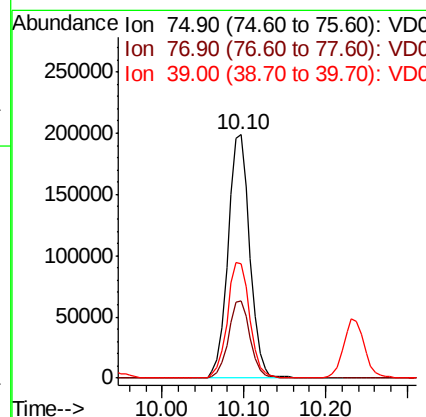
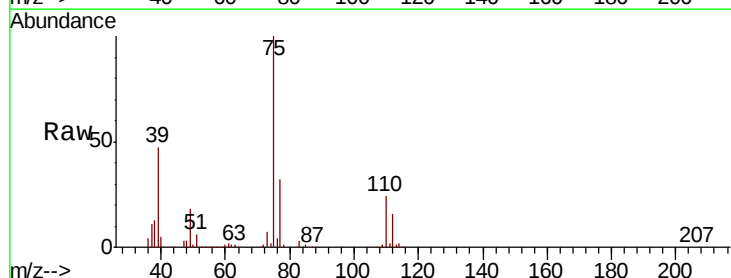
Instrument :
MSVOA_D
ClientSampleId :

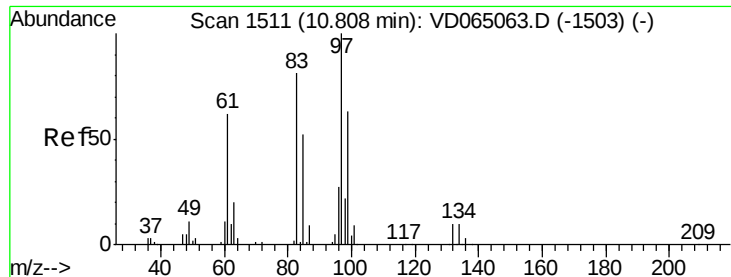
Tot Ion: 75 Resp: 301456
Ion Ratio Lower Upper
75 100
77 31.4 24.9 37.3



#54
cis-1,3-Dichloropropene
Concen: 52.595 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Tgt Ion: 75 Resp: 368184
Ion Ratio Lower Upper
75 100
77 31.7 25.3 37.9
39 46.7 40.3 60.5

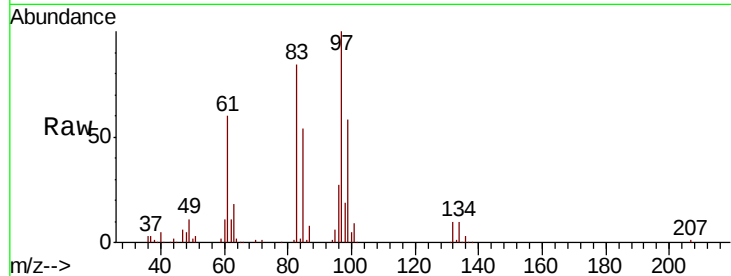




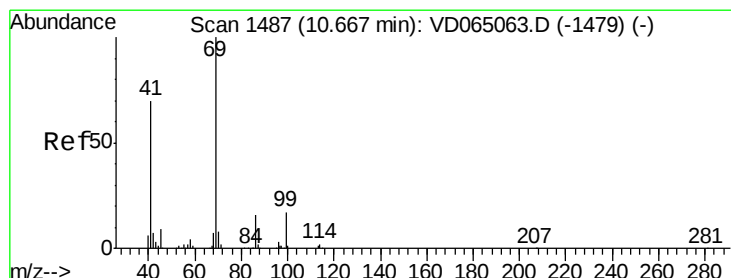
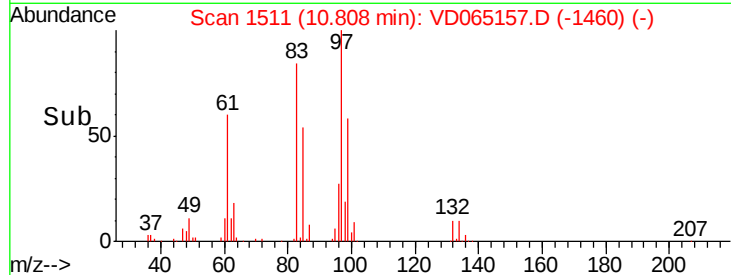
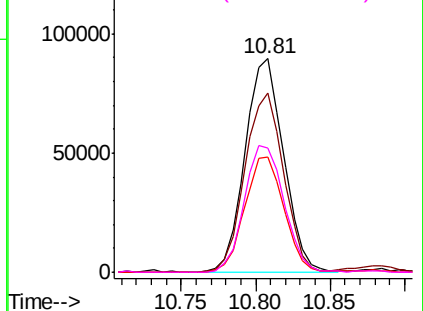
#55
 1,1,2-Trichloroethane
 Concen: 51.162 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065157.D
 Acq: 12 Feb 2020 10:15

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:	97	Resp:	160108
Ion	Ratio	Lower	Upper
97	100		
83	83.9	64.8	97.2
85	54.2	41.2	61.8
99	58.1	50.3	75.5

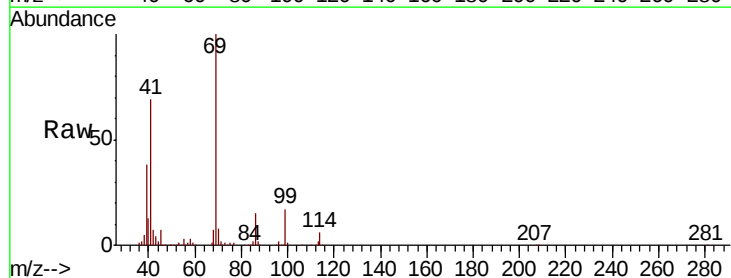


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

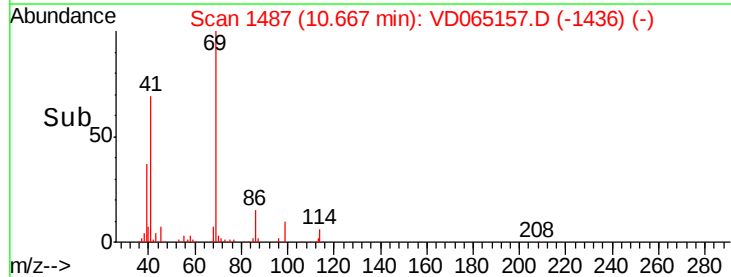
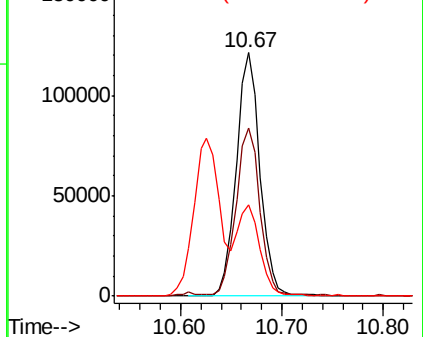


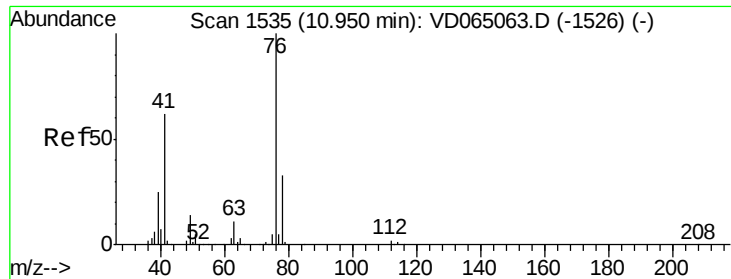
#56
 Ethyl methacrylate
 Concen: 49.732 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065157.D
 Acq: 12 Feb 2020 10:15

Tgt Ion:	69	Resp:	196918
Ion	Ratio	Lower	Upper
69	100		
41	69.3	55.9	83.9
39	35.3	29.4	44.0



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

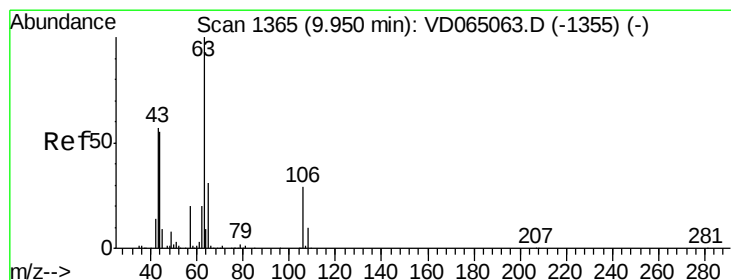
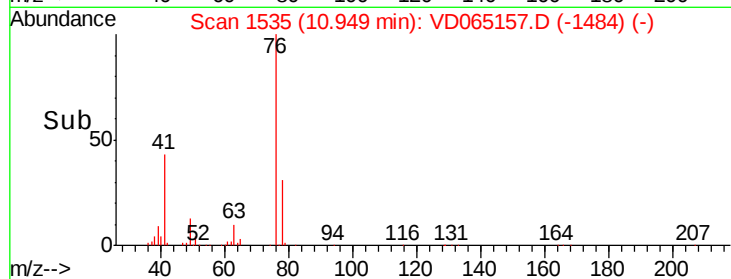
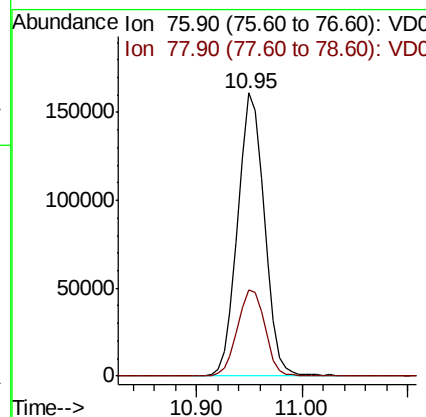
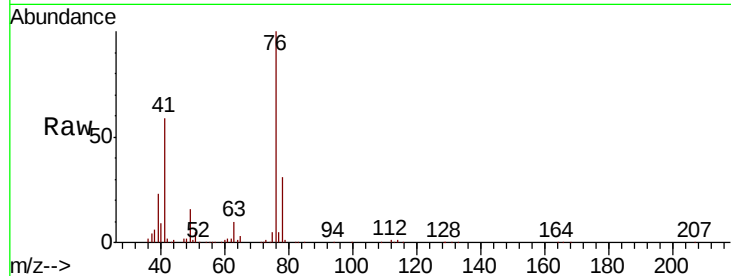




#57
 1,3-Dichloropropane
 Concen: 51.316 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065157.D
 Acq: 12 Feb 2020 10:15

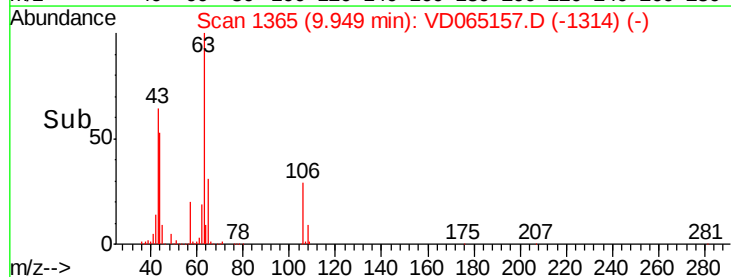
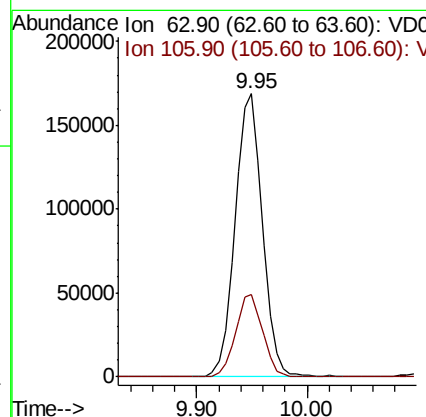
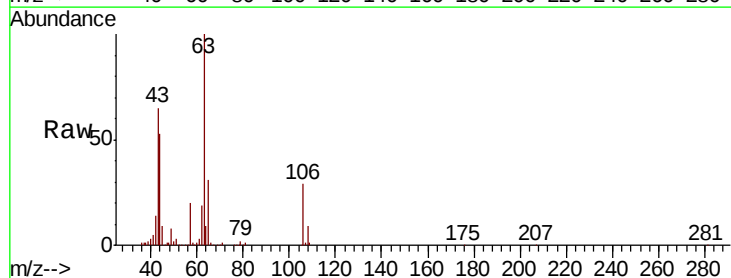
Instrument :
 MSVOA_D
 ClientSampleId :

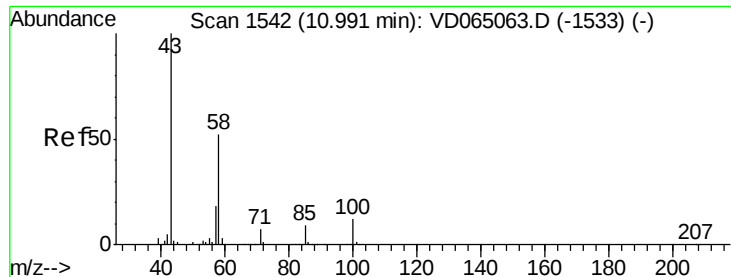
Tot Ion: 76 Resp: 282385
 Ion Ratio Lower Upper
 76 100
 78 31.4 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 227.878 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065157.D
 Acq: 12 Feb 2020 10:15

Tgt Ion: 63 Resp: 293686
 Ion Ratio Lower Upper
 63 100
 106 28.8 23.3 34.9

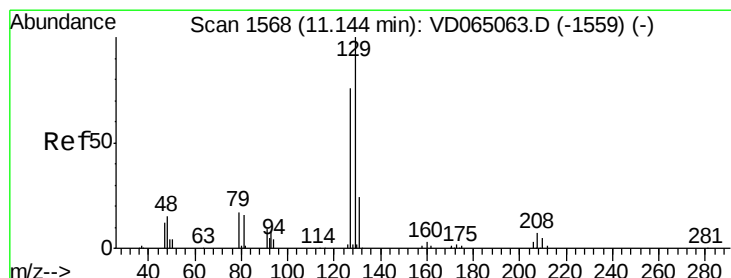
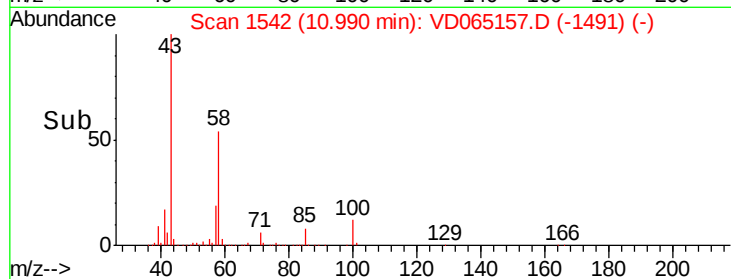
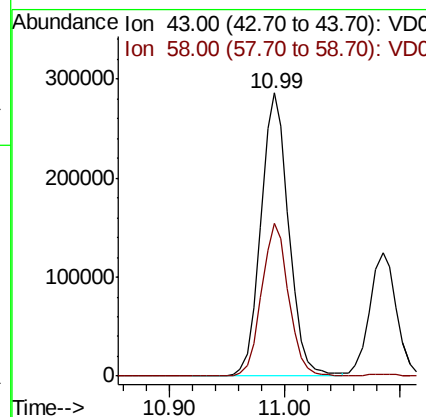
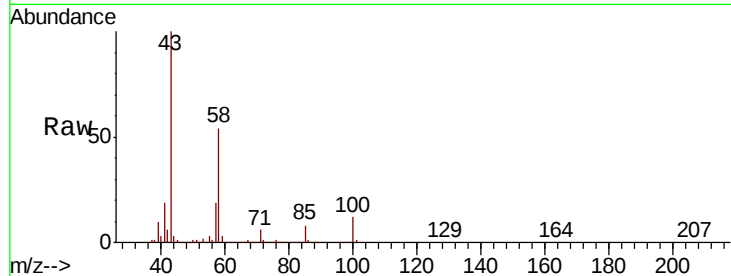




#59
2-Hexanone
Concen: 269.456 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

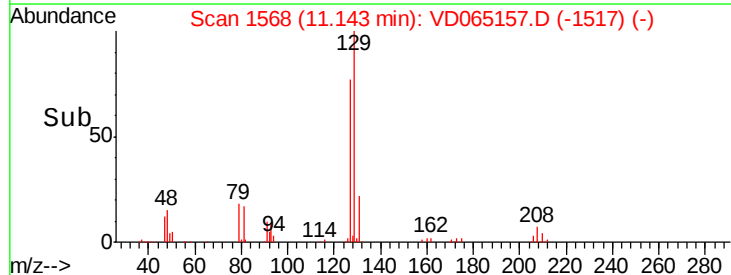
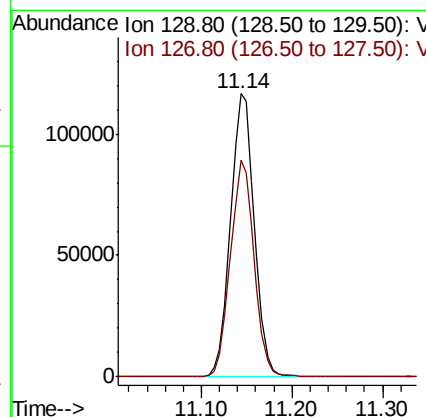
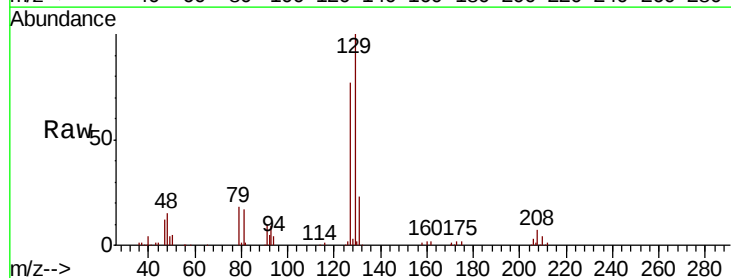
Instrument :
MSVOA_D
ClientSampleId :

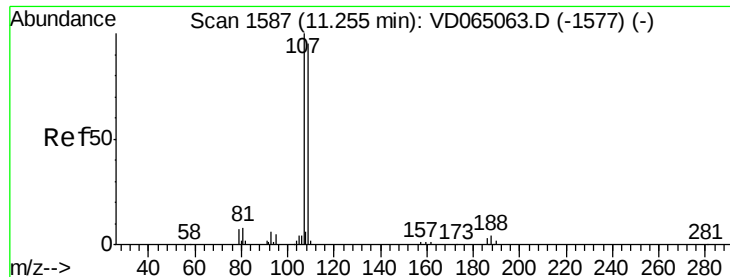
Tot Ion: 43 Resp: 481457
Ion Ratio Lower Upper
43 100
58 52.7 26.2 78.6



#60
Dibromochloromethane
Concen: 52.503 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Tgt Ion: 129 Resp: 212816
Ion Ratio Lower Upper
129 100
127 76.4 38.3 114.9

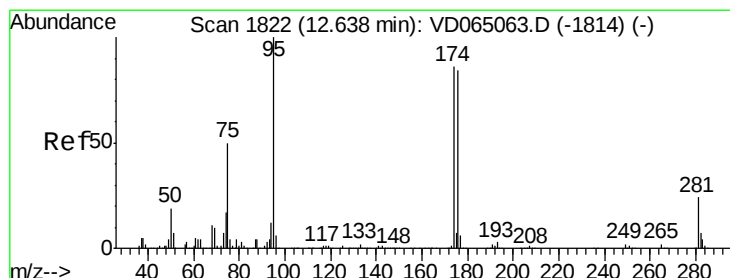
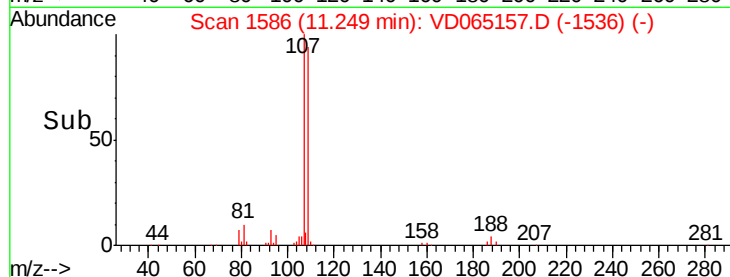
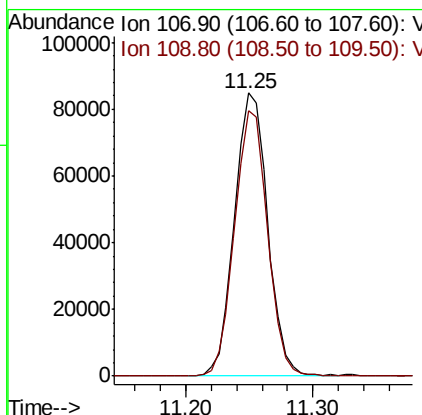
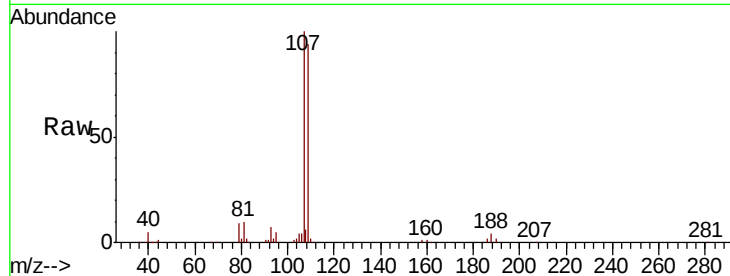




#61
 1,2-Dibromoethane
 Concen: 50.379 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: VD065157.D
 Acq: 12 Feb 2020 10:15

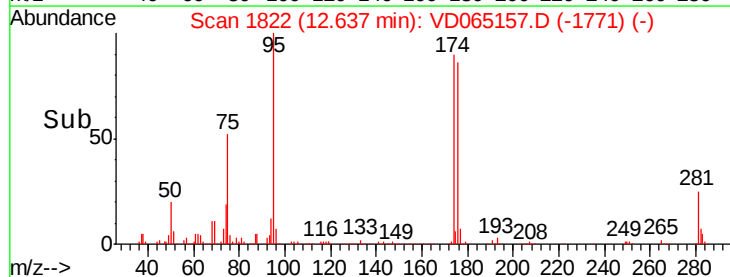
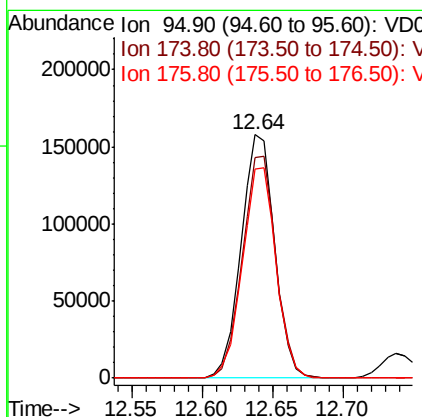
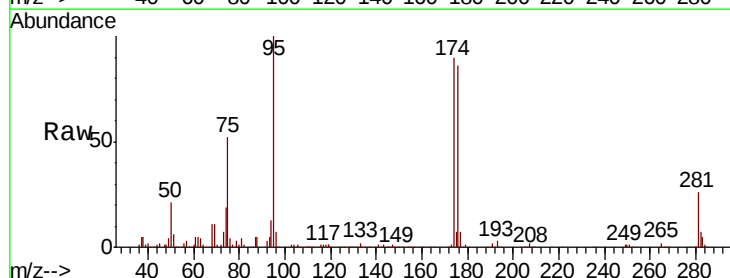
Instrument :
 MSVOA_D
 ClientSampleId :

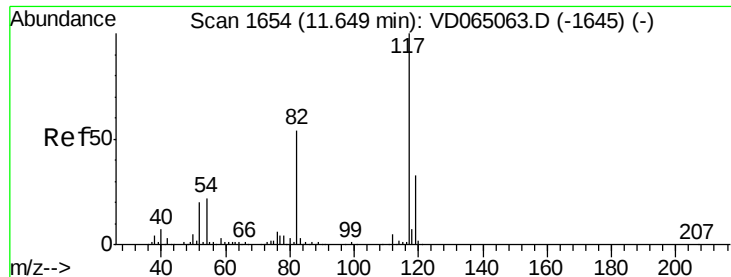
Tot Ion: 107 Resp: 154049
 Ion Ratio Lower Upper
 107 100
 109 93.2 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 52.821 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065157.D
 Acq: 12 Feb 2020 10:15

Tgt Ion: 95 Resp: 262131
 Ion Ratio Lower Upper
 95 100
 174 91.4 0.0 180.0
 176 87.1 0.0 173.2

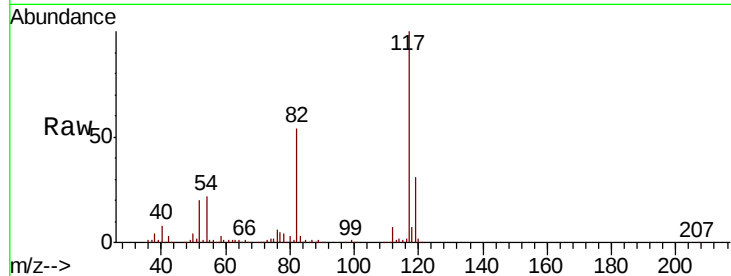




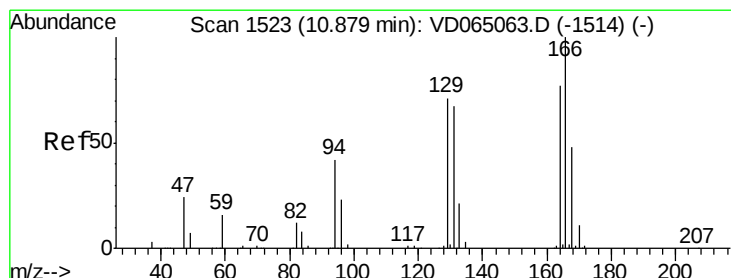
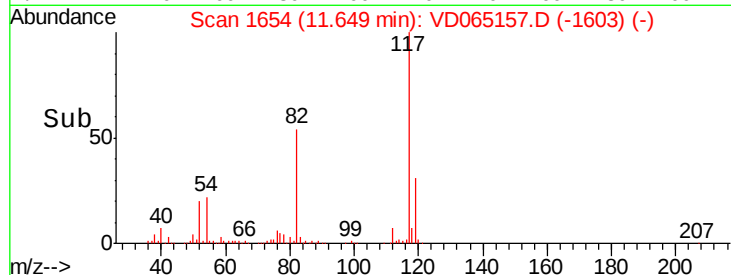
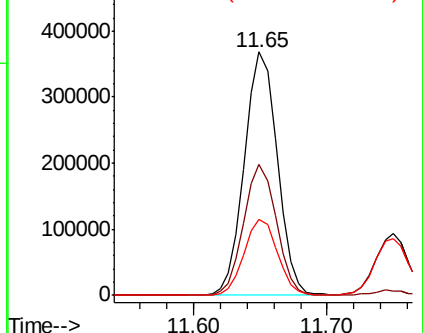
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 630929
Ion Ratio Lower Upper
117 100
82 53.7 43.1 64.7
119 31.4 26.0 39.0

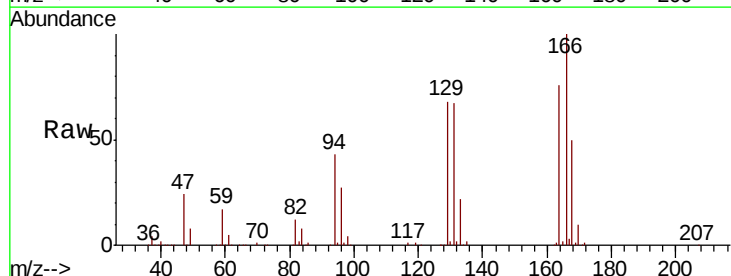


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

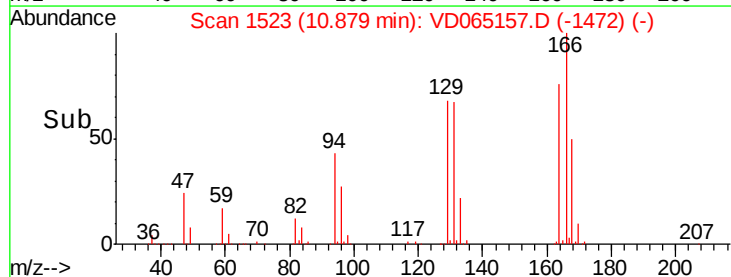
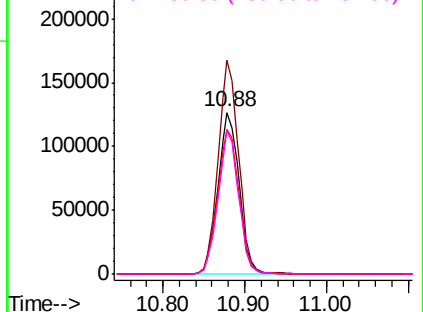


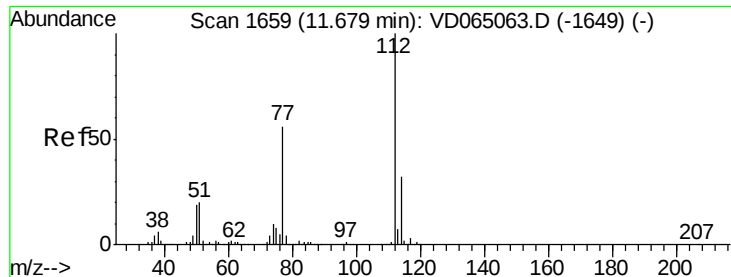
#64
Tetrachloroethene
Concen: 50.081 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Tgt Ion:164 Resp: 227043
Ion Ratio Lower Upper
164 100
166 132.3 103.5 155.3
129 89.6 73.3 109.9
131 88.4 69.8 104.6



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

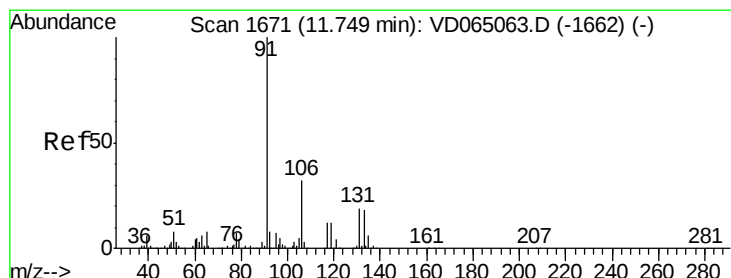
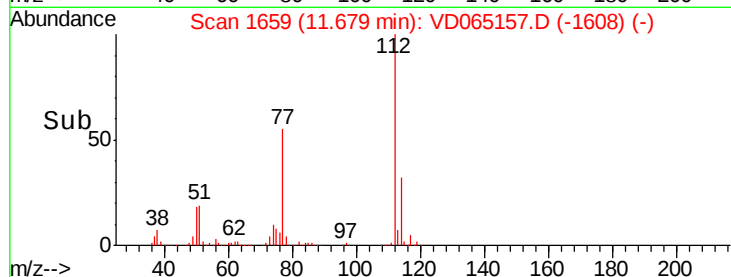
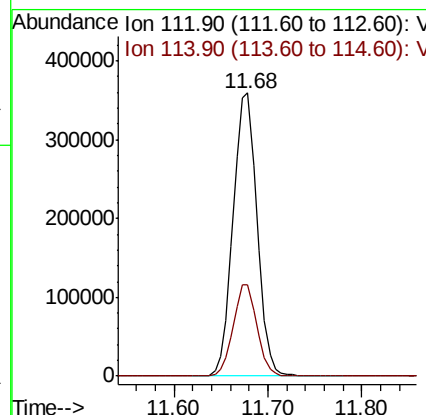
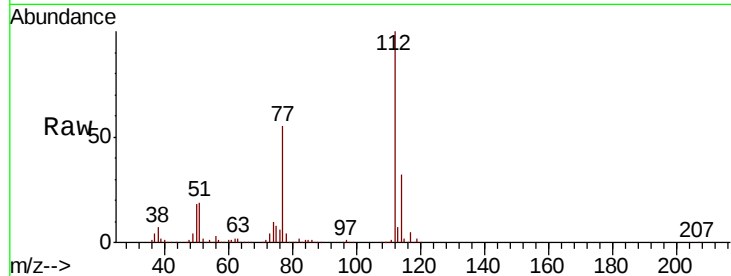




#65
Chlorobenzene
Concen: 52.207 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

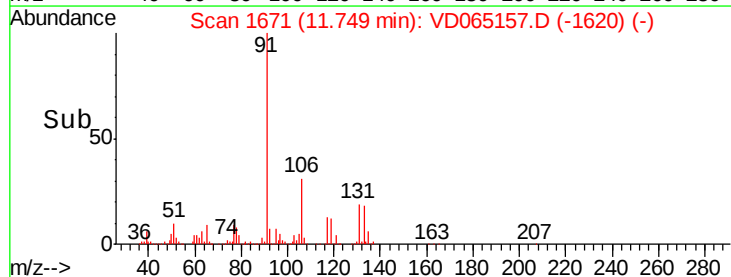
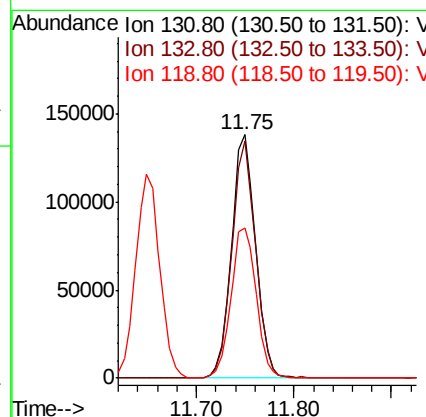
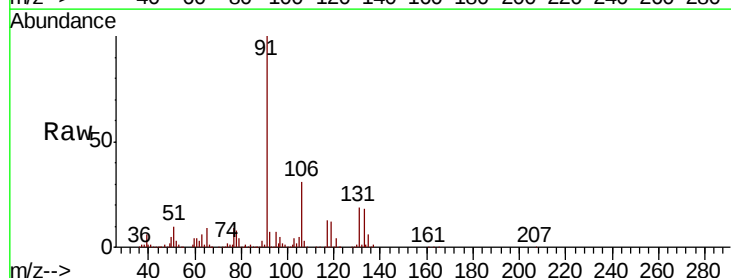
Instrument :
MSVOA_D
ClientSampled :

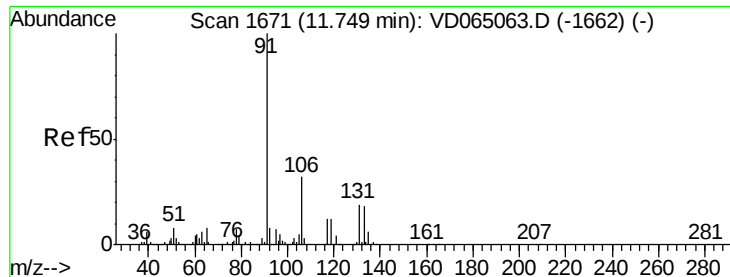
Tot Ion:112 Resp: 637096
Ion Ratio Lower Upper
112 100
114 32.3 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 52.723 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Tgt Ion:131 Resp: 237460
Ion Ratio Lower Upper
131 100
133 95.5 47.7 143.1
119 64.2 31.3 93.8





#67

Ethyl Benzene

Concen: 53.474 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065157.D

Acq: 12 Feb 2020 10:15

Instrument :

MSVOA_D

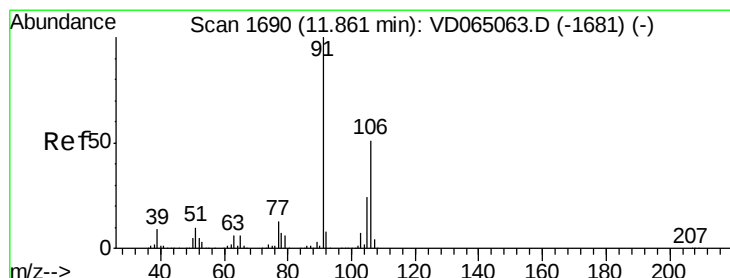
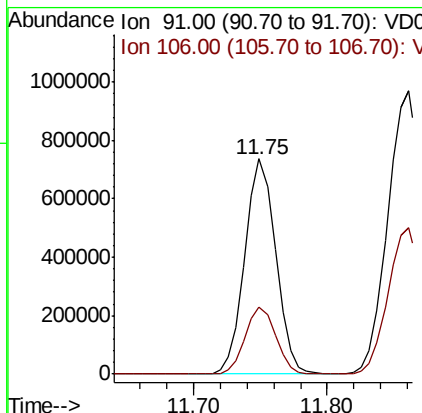
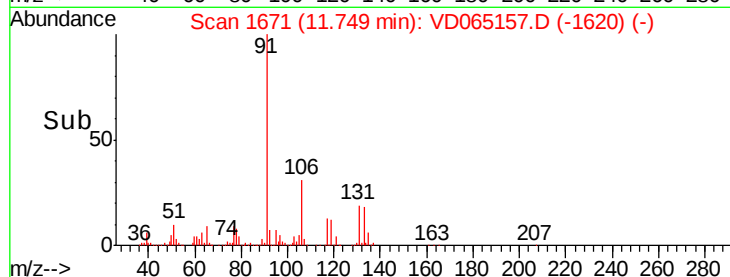
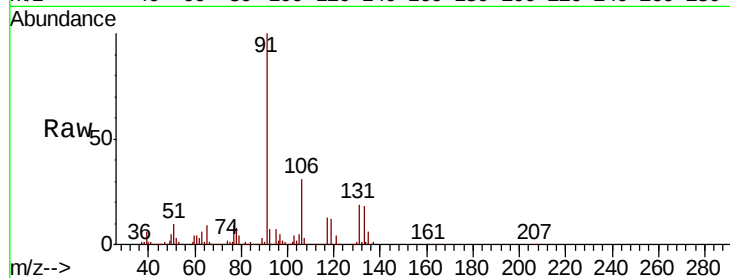
ClientSampleId :

Tot Ion: 91 Resp: 1185557

Ion Ratio Lower Upper

91 100

106 30.9 25.4 38.2



#68

m/p-Xylenes

Concen: 109.337 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065157.D

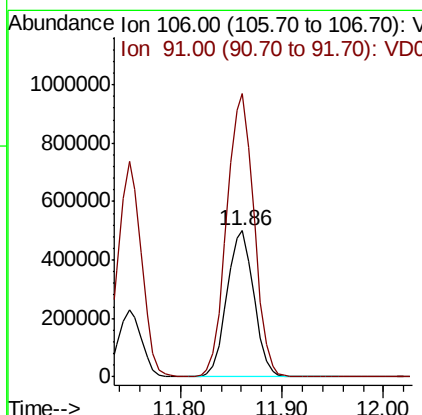
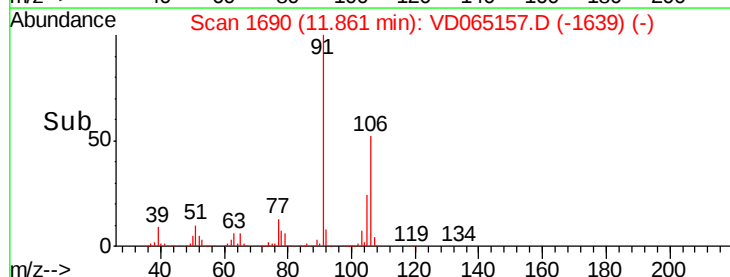
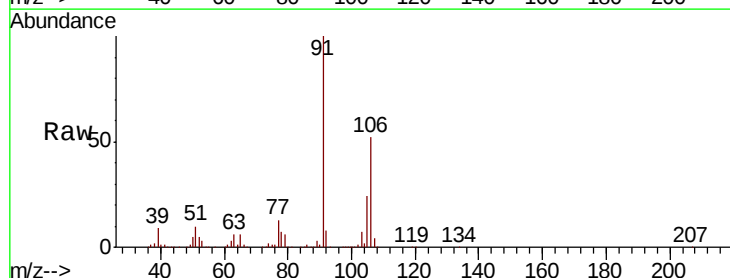
Acq: 12 Feb 2020 10:15

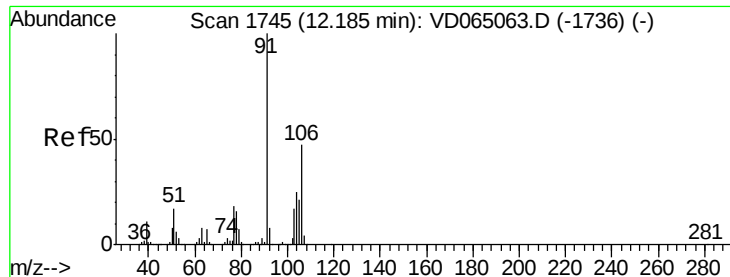
Tgt Ion: 106 Resp: 925206

Ion Ratio Lower Upper

106 100

91 196.1 158.9 238.3

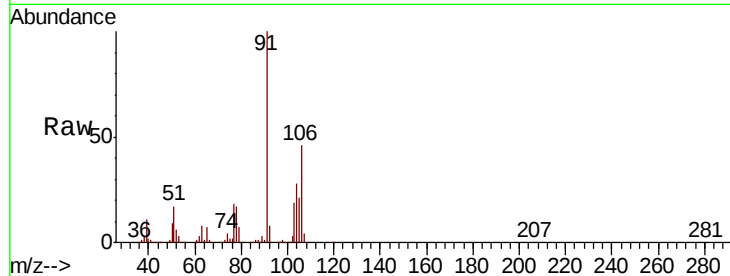




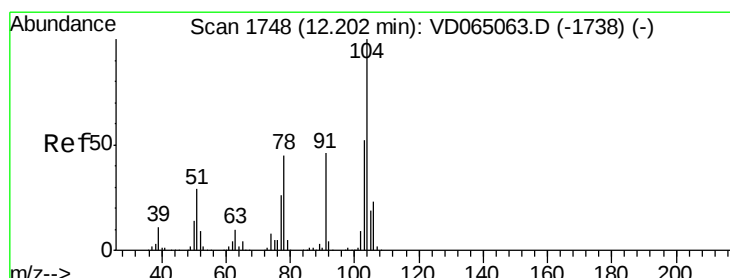
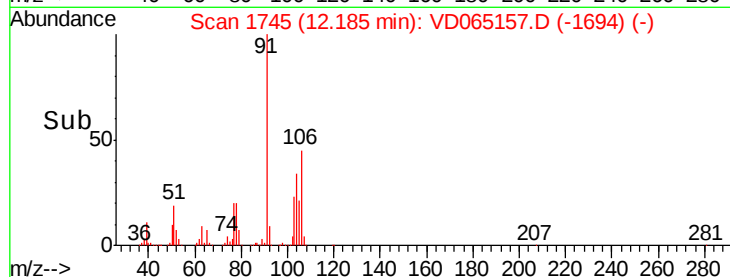
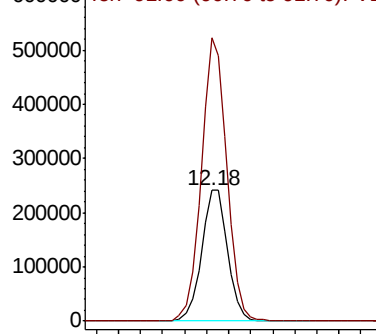
#69
o-Xylene
Concen: 52.189 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 397685
Ion Ratio Lower Upper
106 100
91 211.6 104.7 313.9

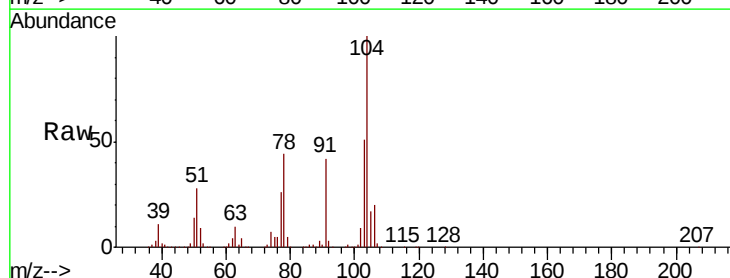


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

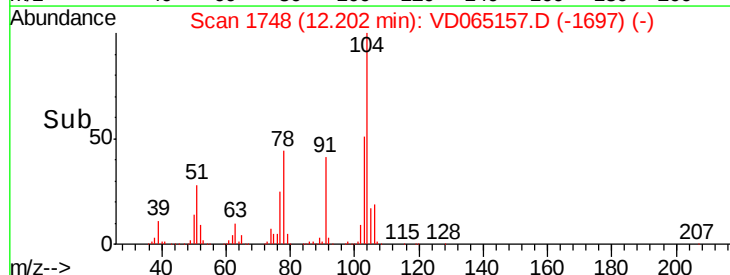
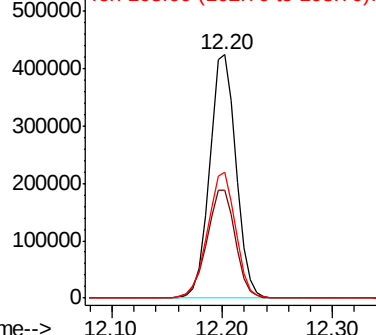


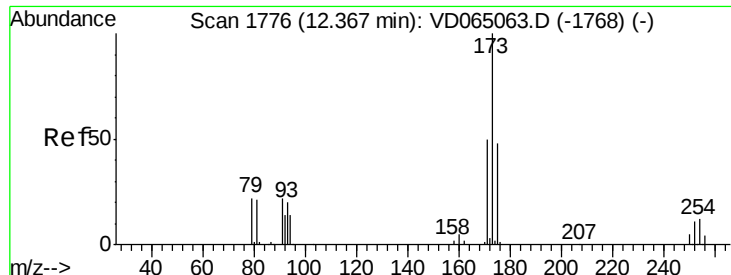
#70
Styrene
Concen: 53.923 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Tgt Ion:104 Resp: 714159
Ion Ratio Lower Upper
104 100
78 48.1 38.5 57.7
103 54.9 43.8 65.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 50.848 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065157.D

Acq: 12 Feb 2020 10:15

Instrument :

MSVOA_D

ClientSampleId :

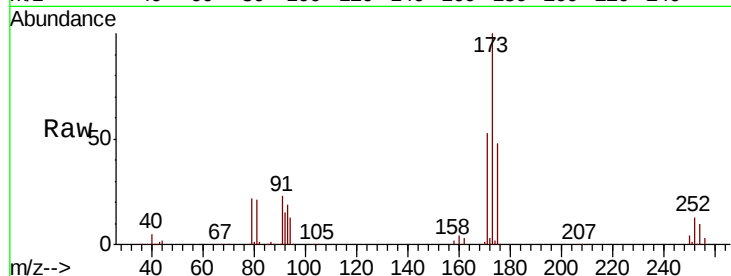
Tot Ion:173 Resp: 123268

Ion Ratio Lower Upper

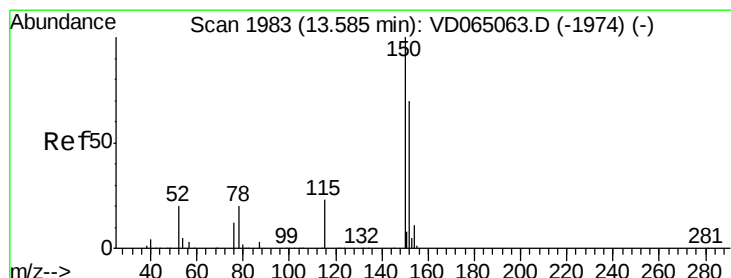
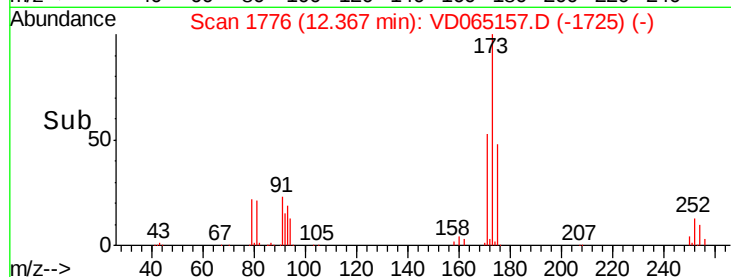
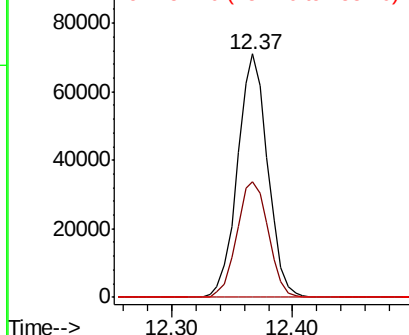
173 100

175 49.7 24.3 72.8

254 0.1 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065157.D

Acq: 12 Feb 2020 10:15

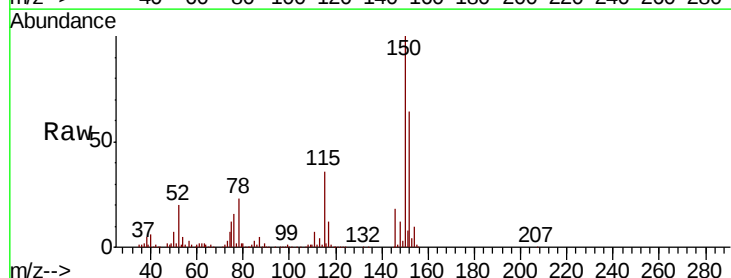
Tgt Ion:152 Resp: 307968

Ion Ratio Lower Upper

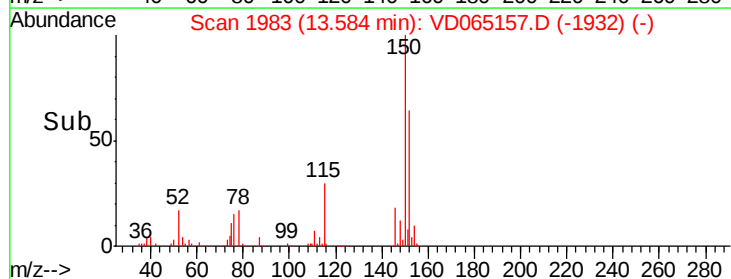
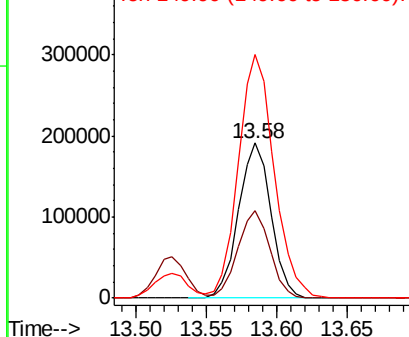
152 100

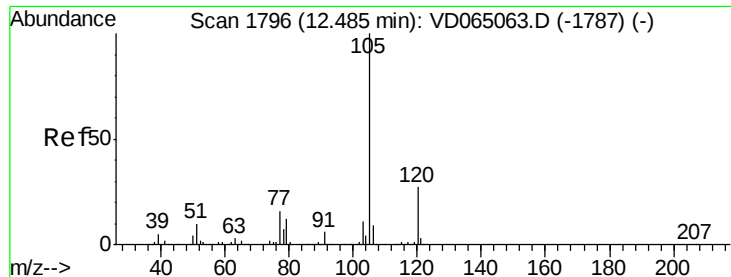
115 55.5 27.5 82.4

150 172.4 0.0 343.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.556 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065157.D

Acq: 12 Feb 2020 10:15

Instrument :

MSVOA_D

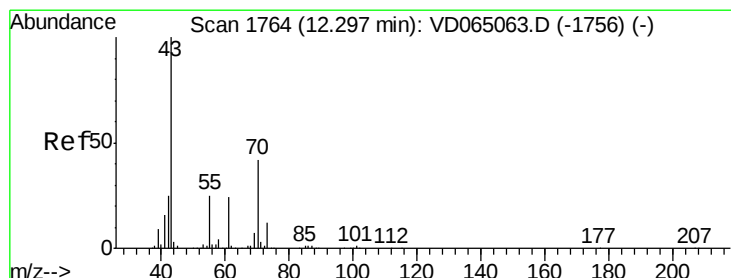
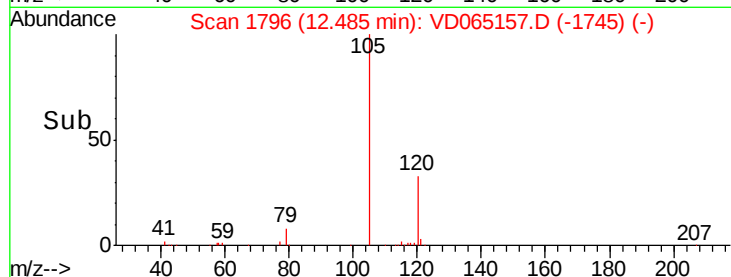
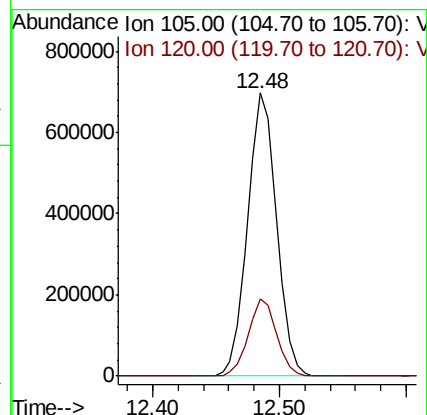
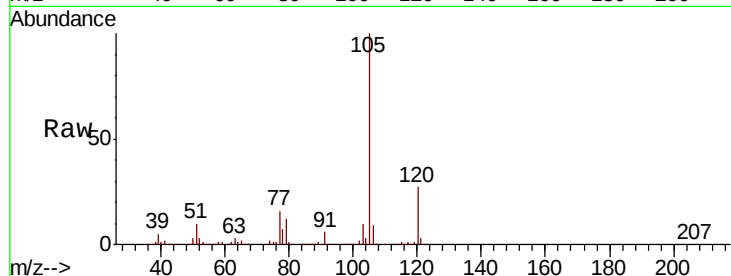
ClientSampleId :

Tot Ion:105 Resp: 1110921

Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.9



#74

N-ethyl acetate

Concen: 46.877 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065157.D

Acq: 12 Feb 2020 10:15

Tgt Ion: 43 Resp: 215370

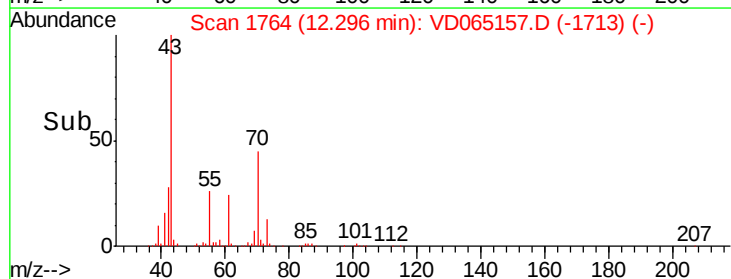
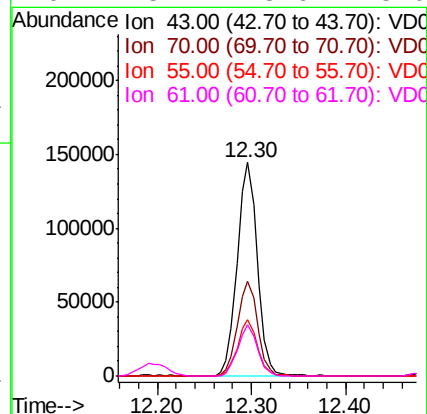
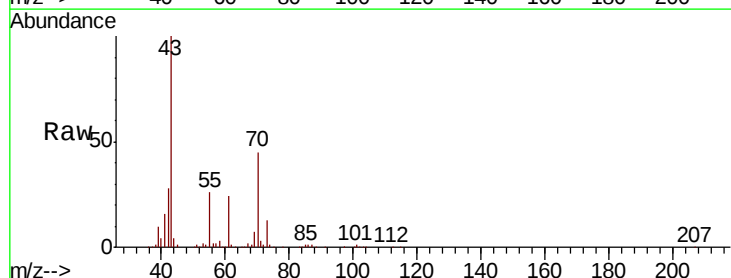
Ion Ratio Lower Upper

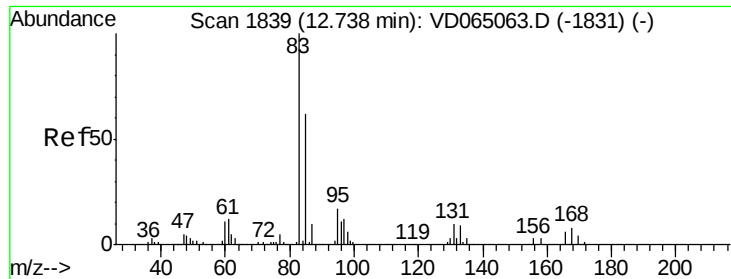
43 100

70 44.3 33.5 50.3

55 26.3 19.4 29.2

61 23.2 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.847 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065157.D

Acq: 12 Feb 2020 10:15

Instrument :

MSVOA_D

ClientSampleId :

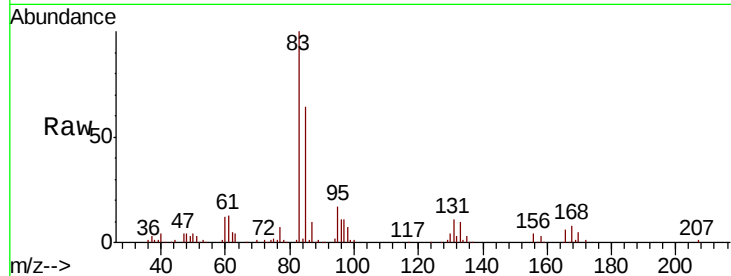
Tot Ion: 83 Resp: 162503

Ion Ratio Lower Upper

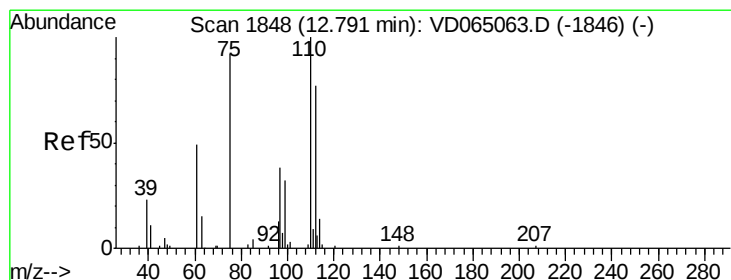
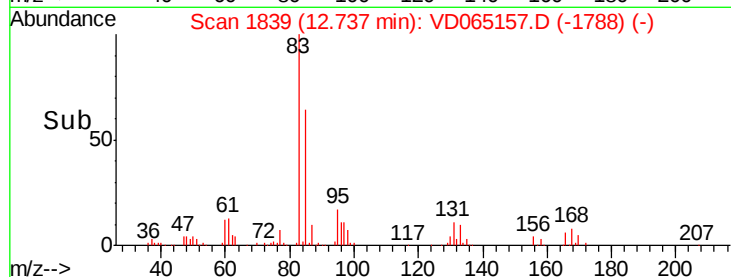
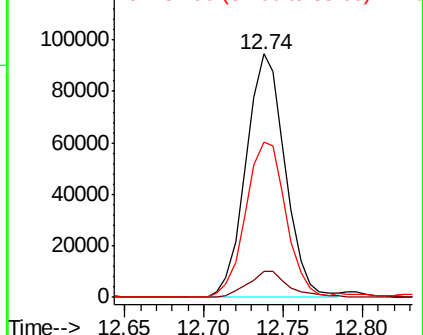
83 100

131 11.2 5.5 16.4

85 65.3 31.8 95.4



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: 94.968 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065157.D

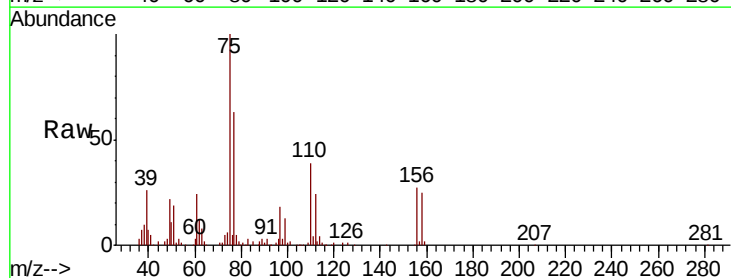
Acq: 12 Feb 2020 10:15

Tgt Ion: 75 Resp: 221431

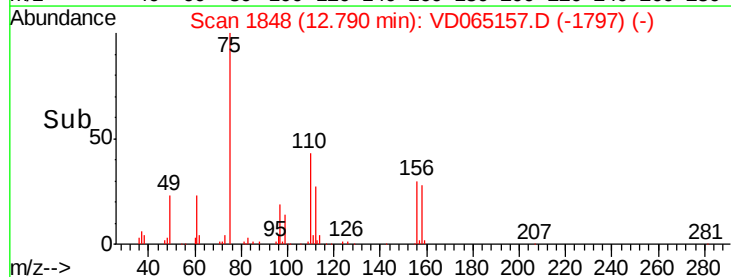
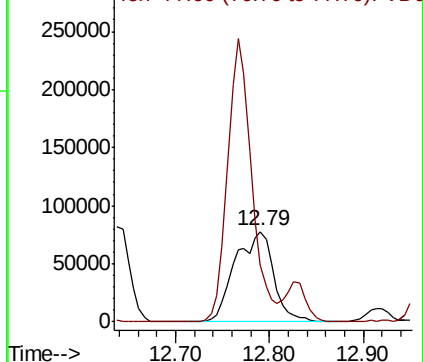
Ion Ratio Lower Upper

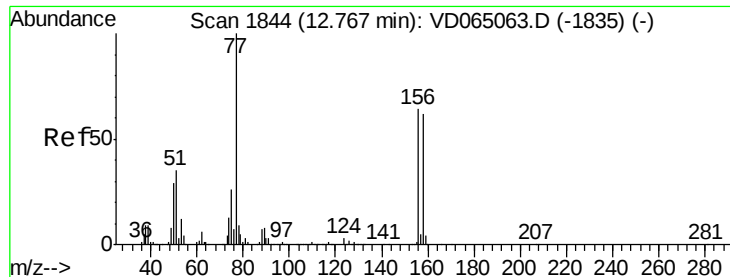
75 100

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: 50.096 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065157.D

Acq: 12 Feb 2020 10:15

Instrument :

MSVOA_D

ClientSampleId :

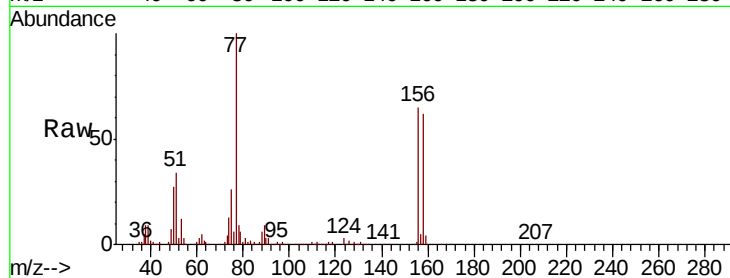
Tot Ion:156 Resp: 255129

Ion Ratio Lower Upper

156 100

77 170.6 85.6 256.8

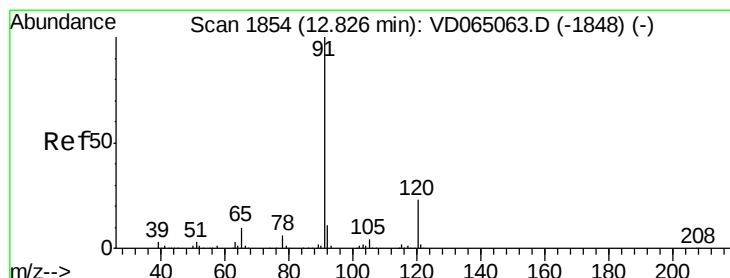
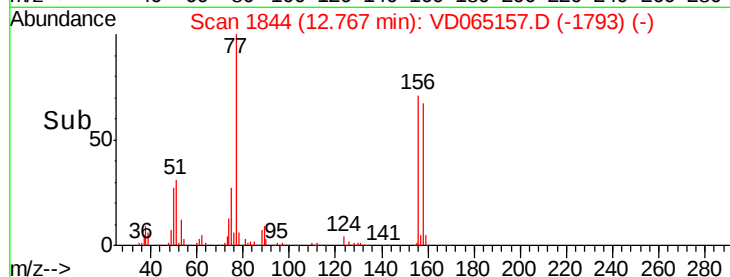
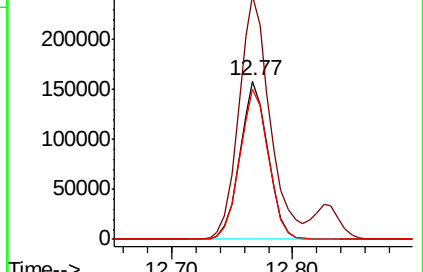
158 97.5 47.4 142.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.607 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065157.D

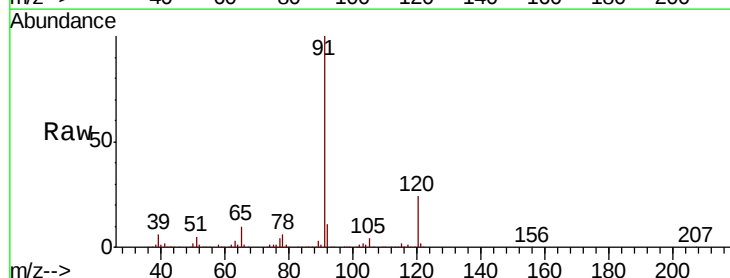
Acq: 12 Feb 2020 10:15

Tgt Ion: 91 Resp: 1326991

Ion Ratio Lower Upper

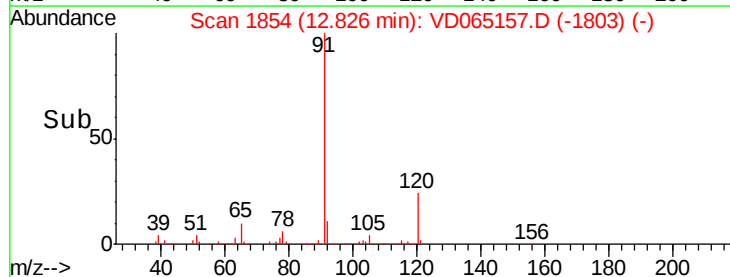
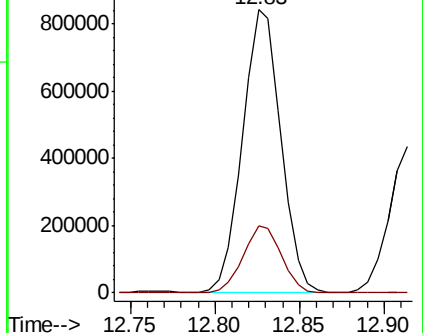
91 100

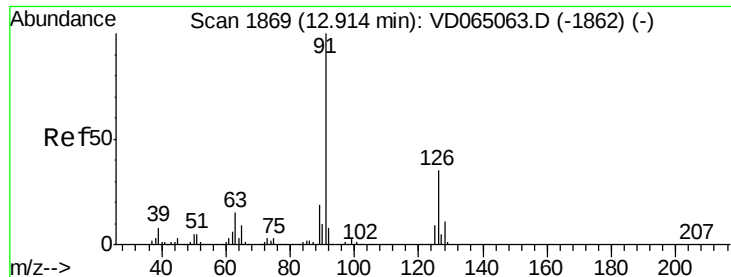
120 23.6 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.249 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065157.D

Acq: 12 Feb 2020 10:15

Instrument :

MSVOA_D

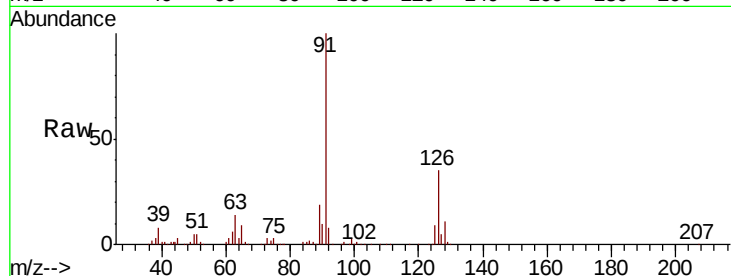
ClientSampleId :

Tot Ion: 91 Resp: 720950

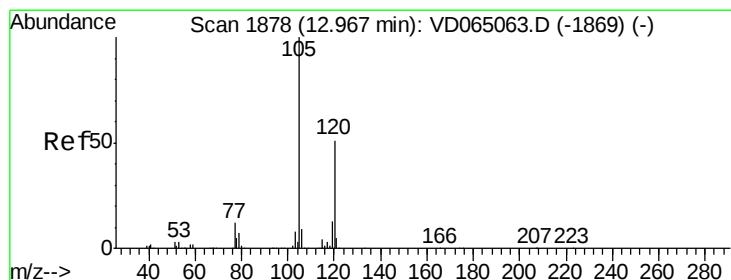
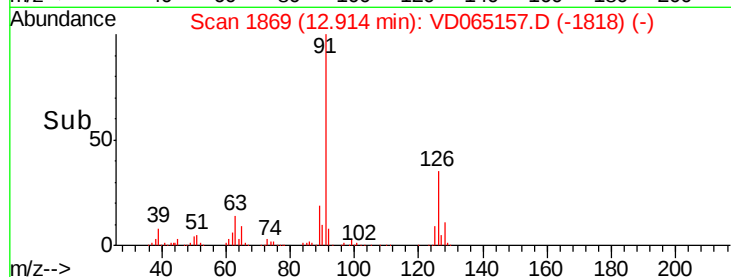
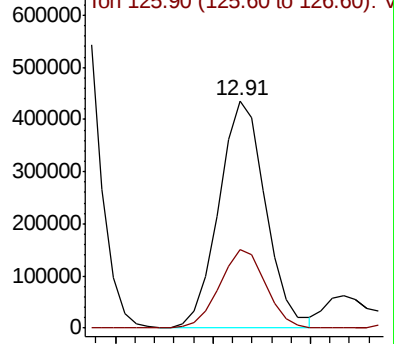
Ion Ratio Lower Upper

91 100

126 34.4 17.4 52.3



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



#80

1,3,5-Trimethylbenzene

Concen: 52.468 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065157.D

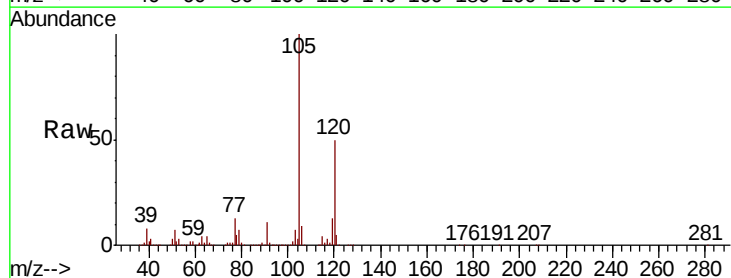
Acq: 12 Feb 2020 10:15

Tgt Ion:105 Resp: 907327

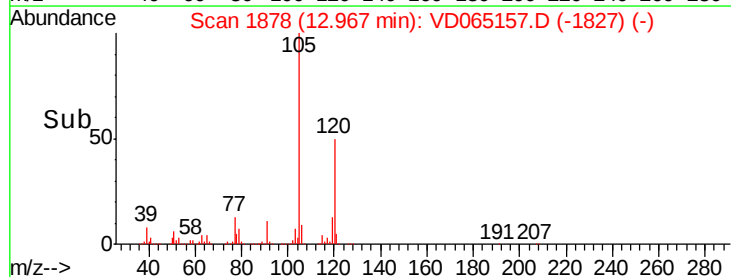
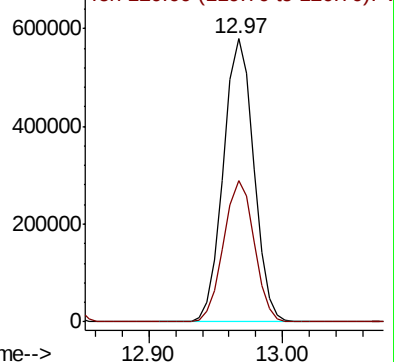
Ion Ratio Lower Upper

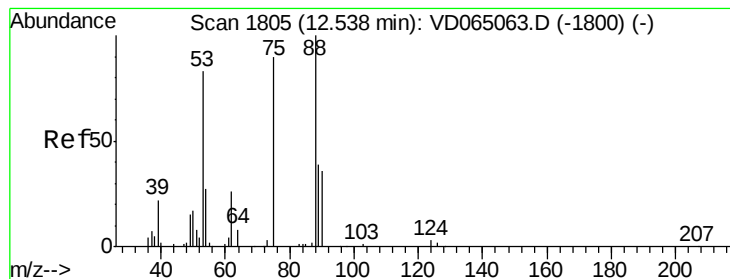
105 100

120 50.5 25.1 75.4



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





#81

trans-1,4-Dichloro-2-butene

Concen: 47.980 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065157.D

Acq: 12 Feb 2020 10:15

Instrument :

MSVOA_D

ClientSampleId :

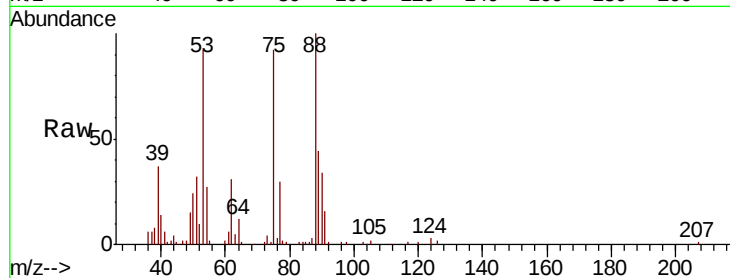
Tot Ion: 75 Resp: 55938

Ion Ratio Lower Upper

75 100

53 96.4 78.5 117.7

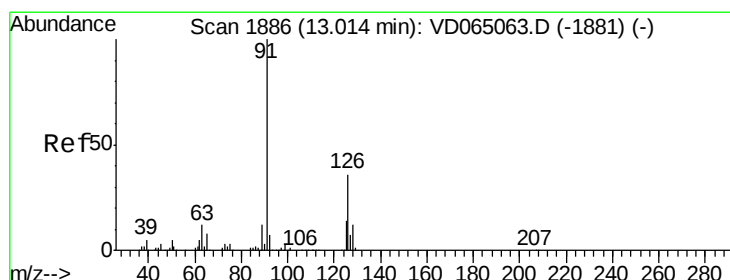
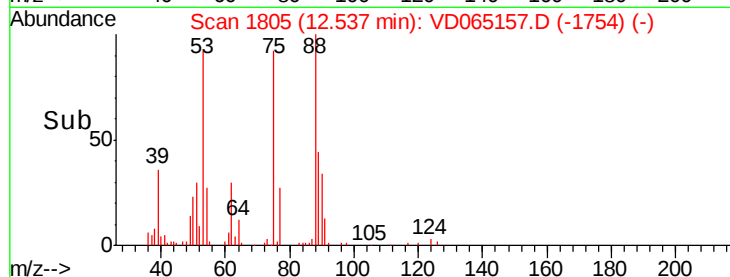
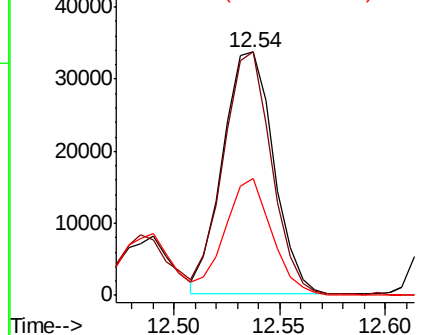
89 44.8 37.0 55.4



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 52.216 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD065157.D

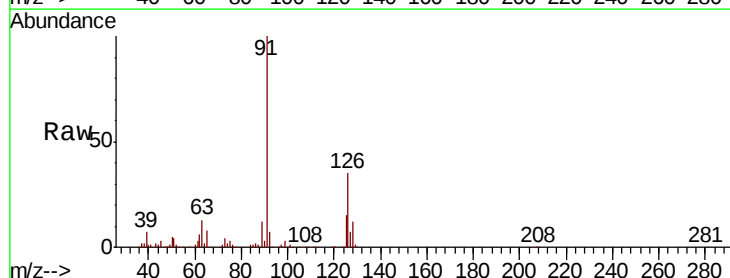
Acq: 12 Feb 2020 10:15

Tgt Ion: 91 Resp: 756687

Ion Ratio Lower Upper

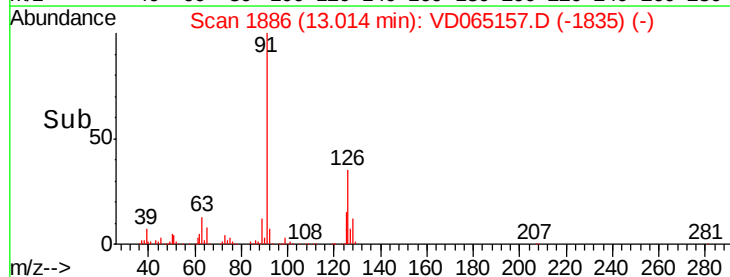
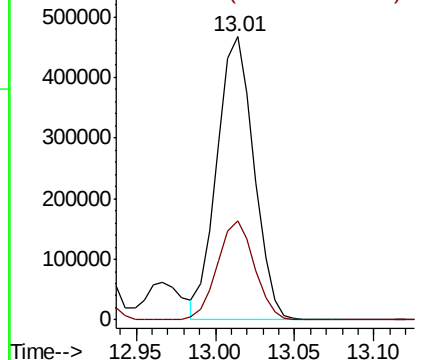
91 100

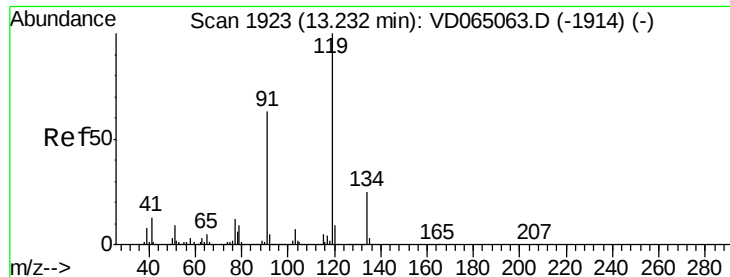
126 35.1 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

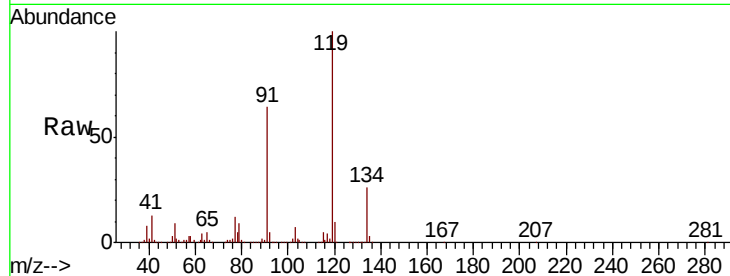




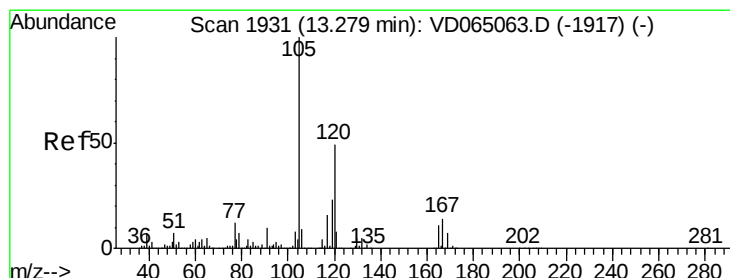
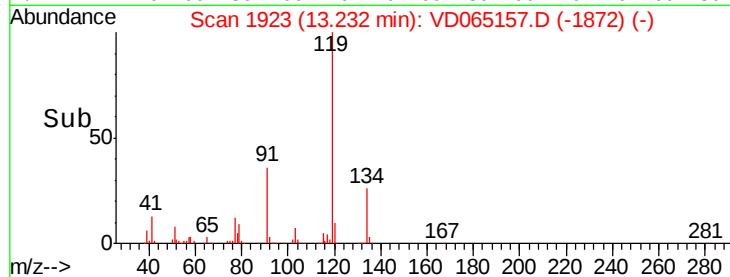
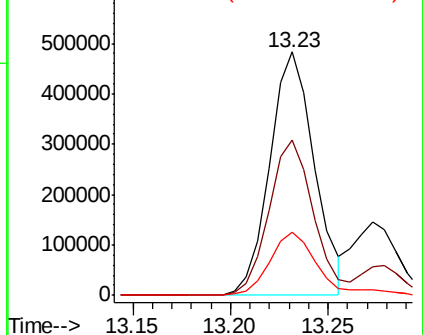
#83
tert-Butylbenzene
Concen: 51.221 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 764177
Ion Ratio Lower Upper
119 100
91 64.0 32.3 96.9
134 28.1 13.8 41.3

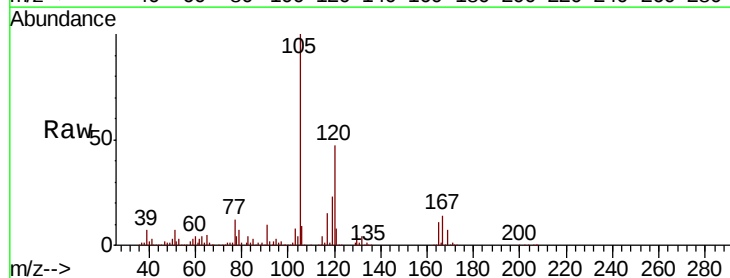


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

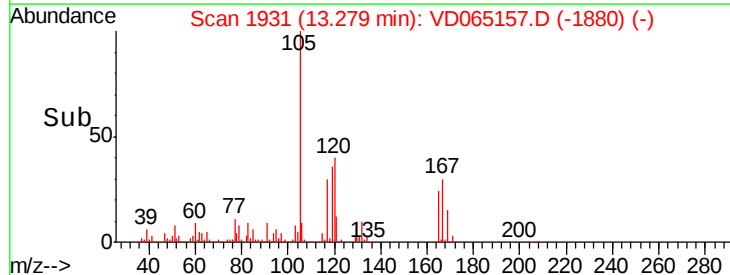
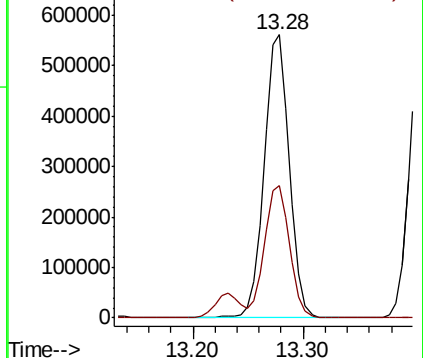


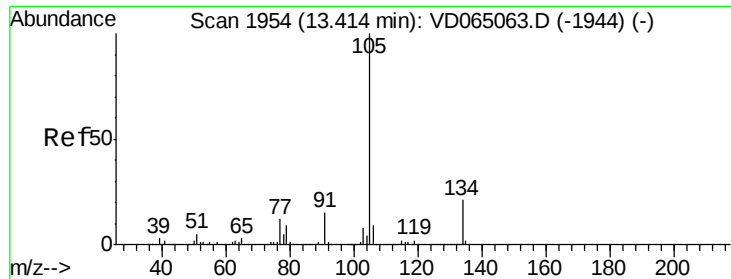
#84
1,2,4-Trimethylbenzene
Concen: 52.118 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Tgt Ion:105 Resp: 894772
Ion Ratio Lower Upper
105 100
120 46.7 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 53.811 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.01 min

Lab File: VD065157.D

Acq: 12 Feb 2020 10:15

Instrument :

MSVOA_D

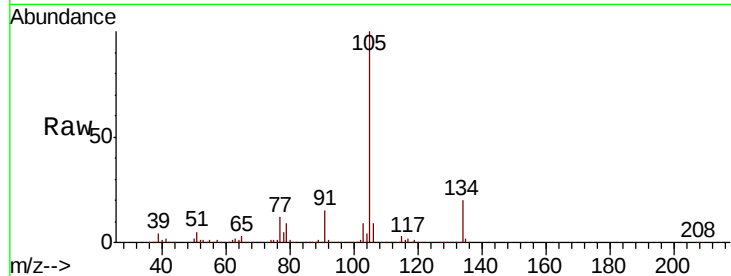
ClientSampleId :

Tot Ion:105 Resp: 1096486

Ion Ratio Lower Upper

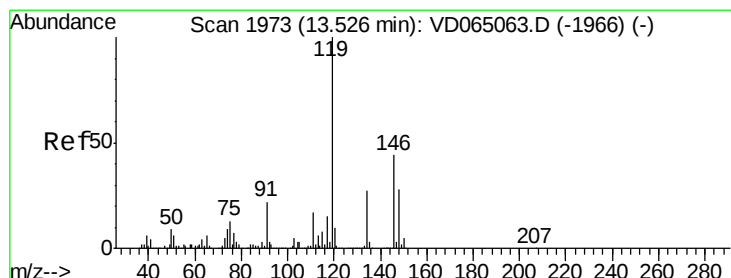
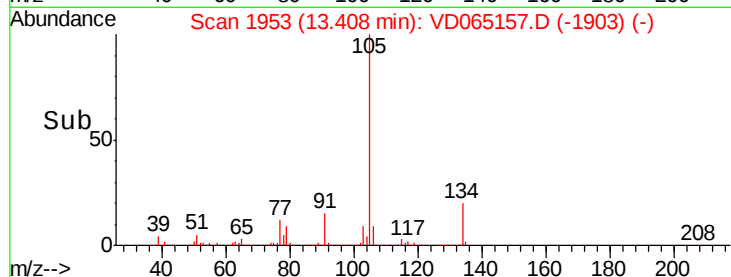
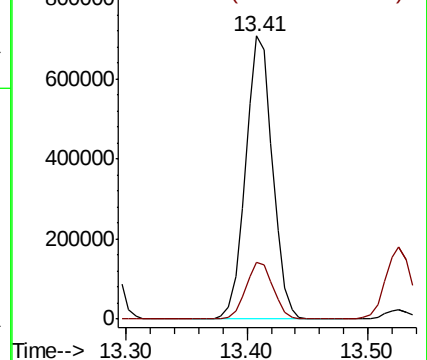
105 100

134 20.4 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.683 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065157.D

Acq: 12 Feb 2020 10:15

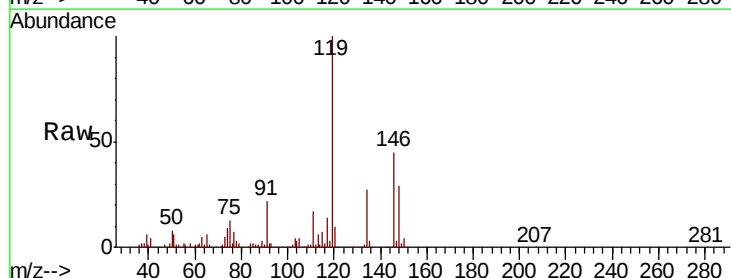
Tgt Ion:119 Resp: 1016341

Ion Ratio Lower Upper

119 100

134 26.4 13.5 40.5

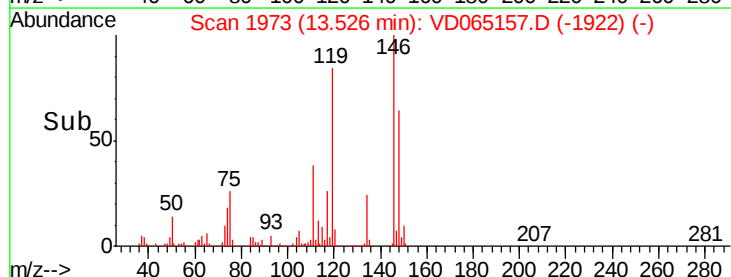
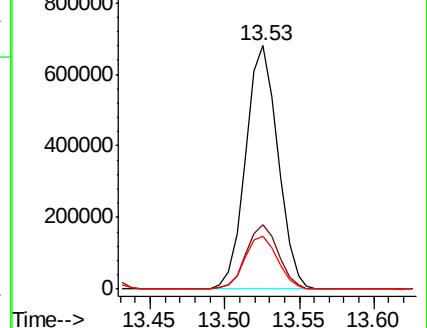
91 22.3 11.3 33.9

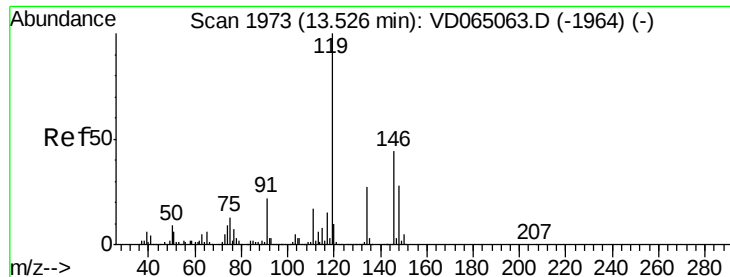


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

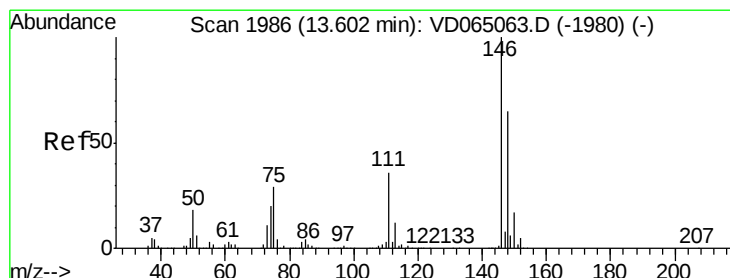
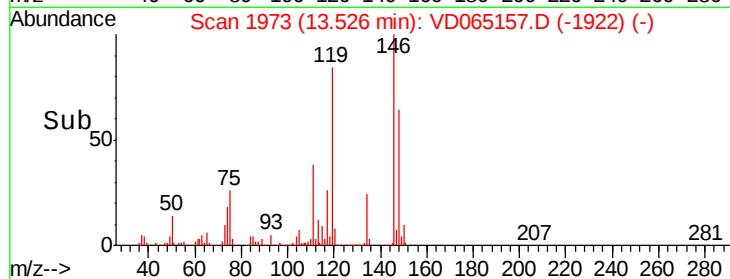
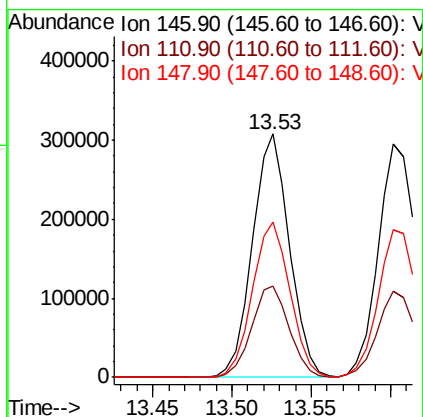
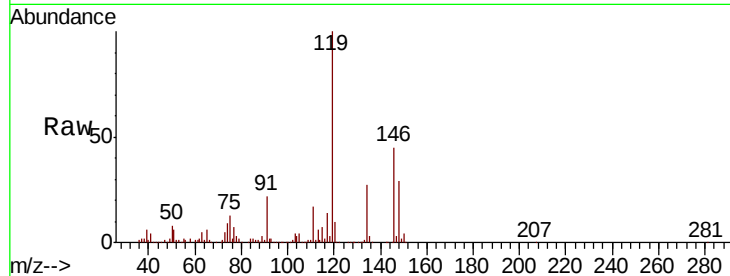




#87
 1,3-Dichlorobenzene
 Concen: 52.430 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065157.D
 Acq: 12 Feb 2020 10:15

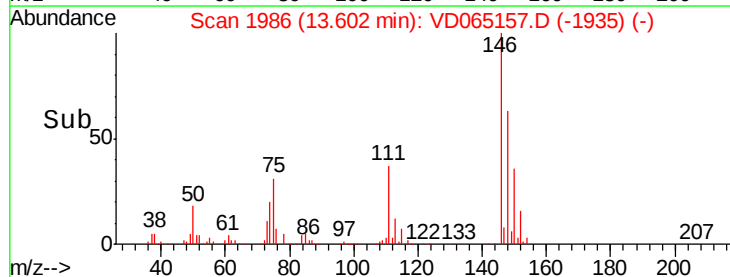
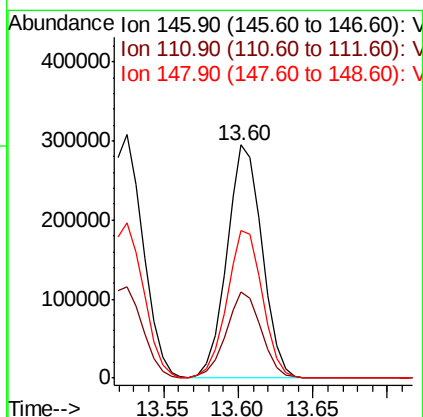
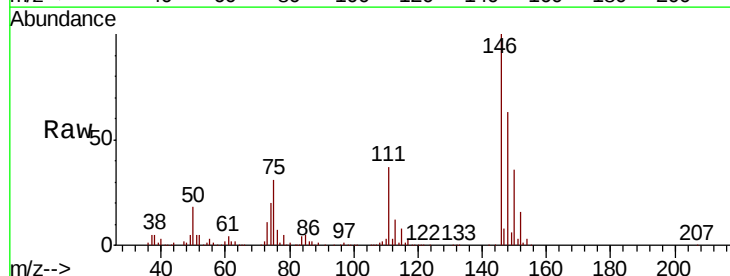
Instrument :
 MSVOA_D
 ClientSampleId :

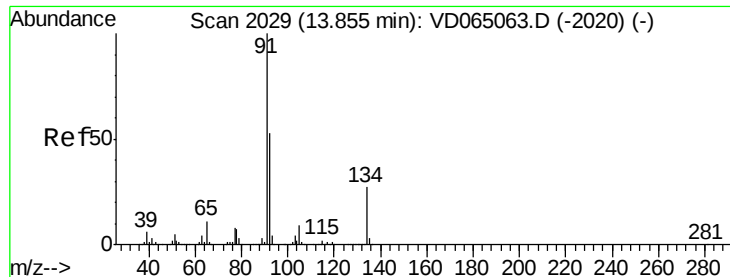
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.4	58.4
148	64.4	32.3	96.8



#88
 1,4-Dichlorobenzene
 Concen: 51.091 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065157.D
 Acq: 12 Feb 2020 10:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.5	55.5
148	64.2	32.7	98.1





#89

n-Butylbenzene

Concen: 53.801 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VD065157.D

Acq: 12 Feb 2020 10:15

Instrument :

MSVOA_D

ClientSampleId :

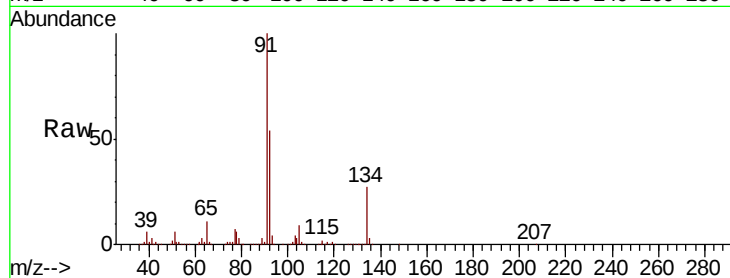
Tot Ion: 91 Resp: 940138

Ion Ratio Lower Upper

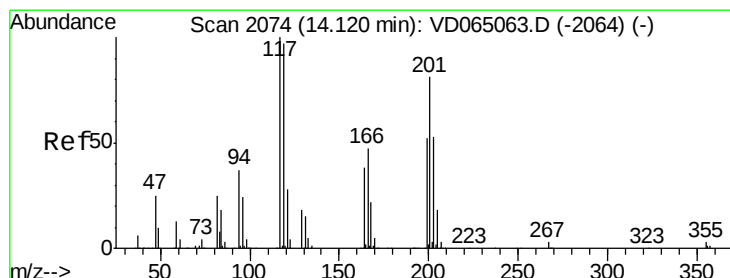
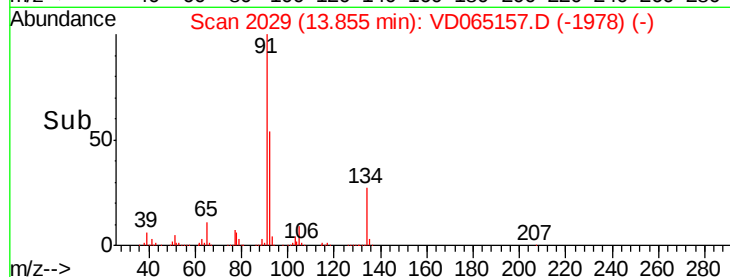
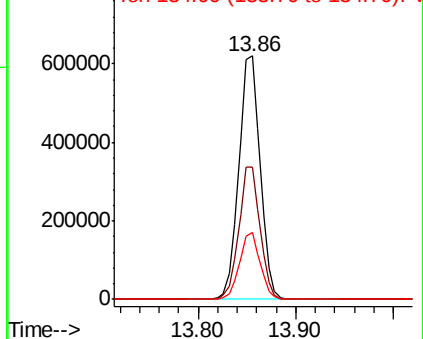
91 100

92 53.9 26.7 80.1

134 26.8 13.4 40.2



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 54.160 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. -0.00 min

Lab File: VD065157.D

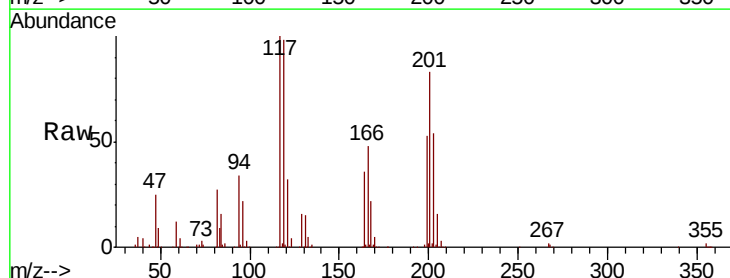
Acq: 12 Feb 2020 10:15

Tgt Ion: 117 Resp: 194163

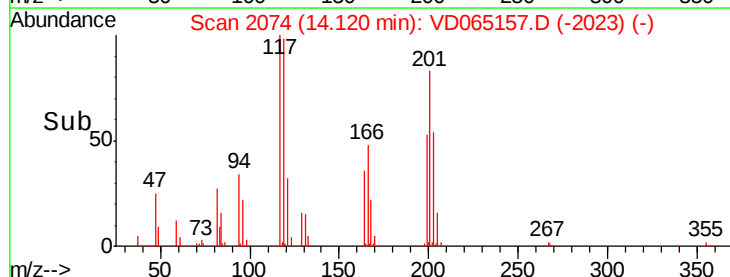
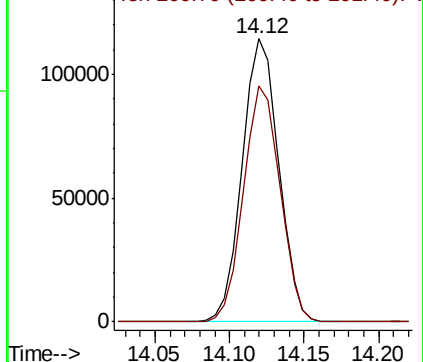
Ion Ratio Lower Upper

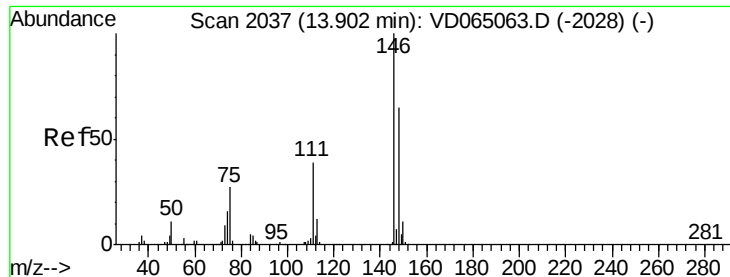
117 100

201 83.5 42.5 127.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

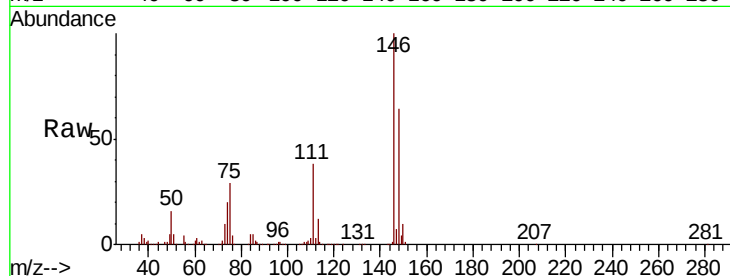




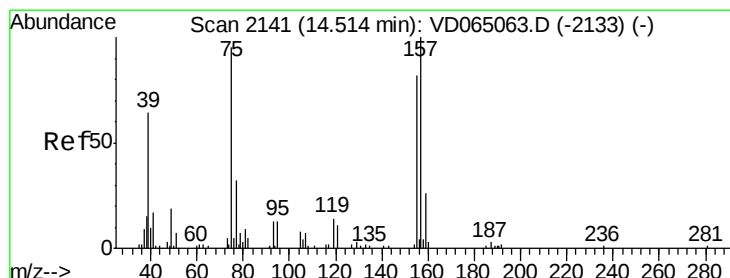
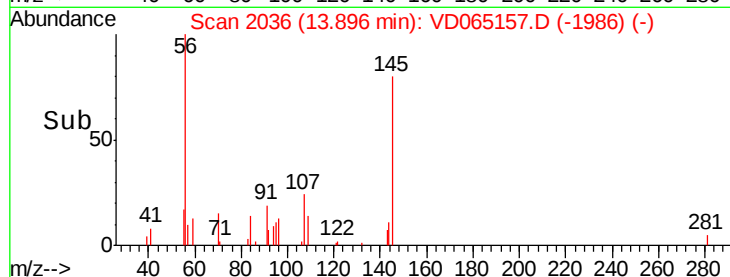
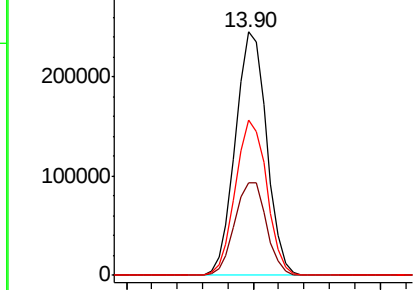
#91
 1,2-Dichlorobenzene
 Concen: 51.265 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065157.D
 Acq: 12 Feb 2020 10:15

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.7	59.1
148	64.1	31.9	95.5

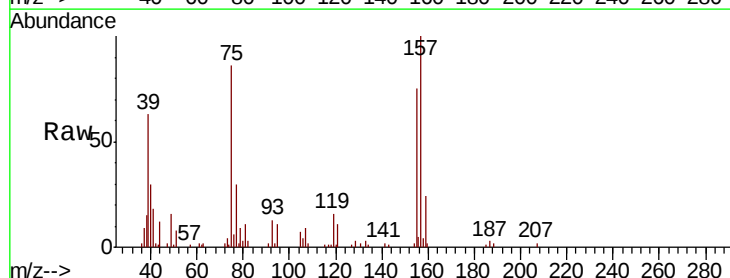


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

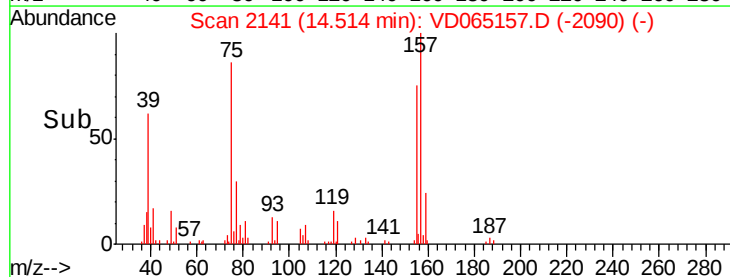
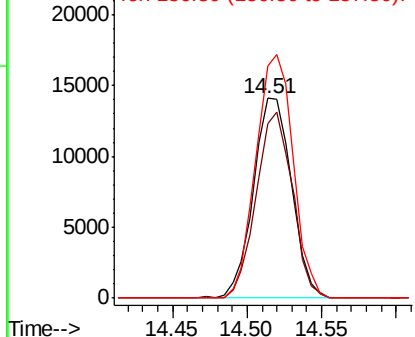


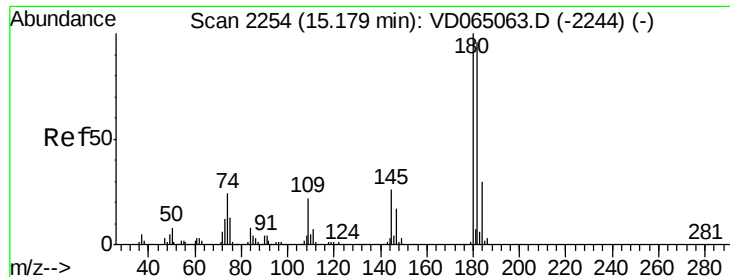
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.867 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD065157.D
 Acq: 12 Feb 2020 10:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.2	43.4	130.1
157	119.3	55.8	167.3



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

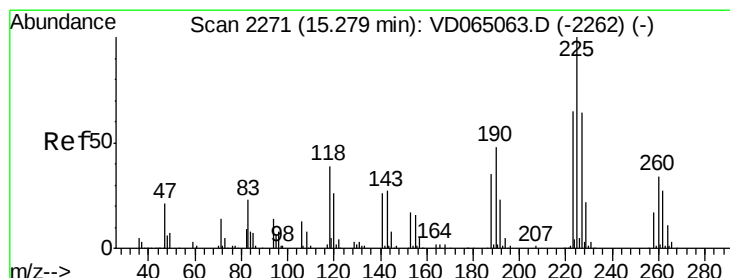
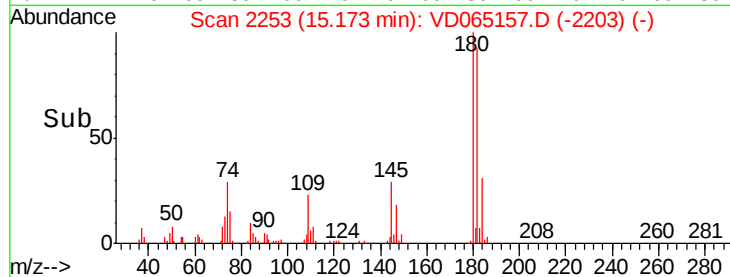
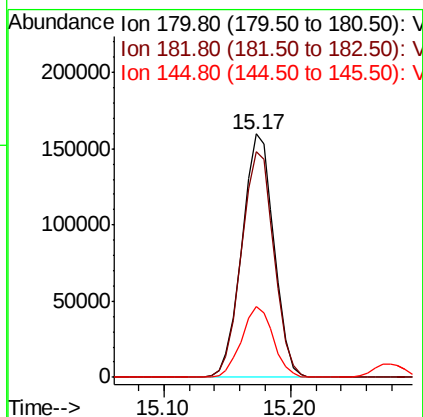
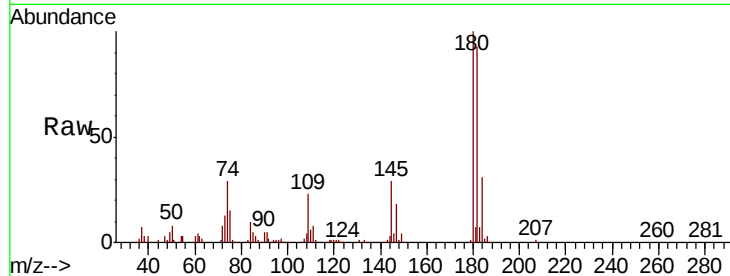




#93
 1,2,4-Trichlorobenzene
 Concen: 47.832 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065157.D
 Acq: 12 Feb 2020 10:15

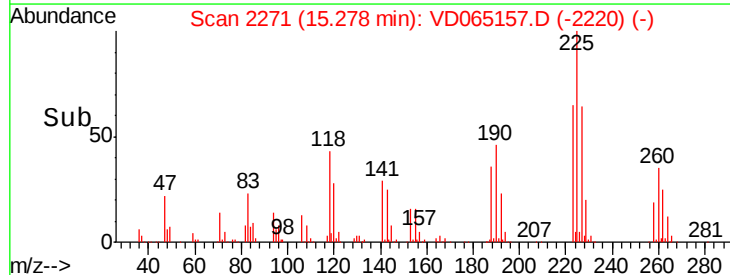
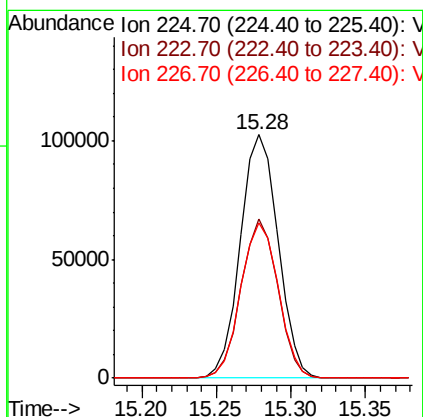
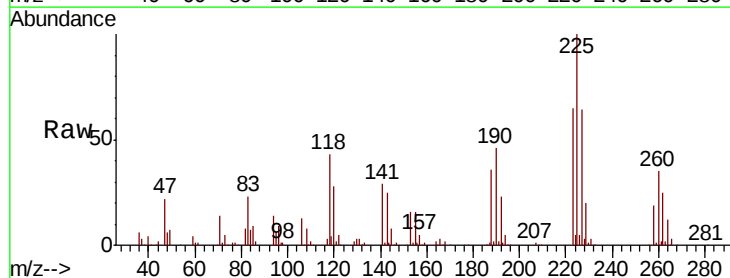
Instrument :
 MSVOA_D
 ClientSampleId :

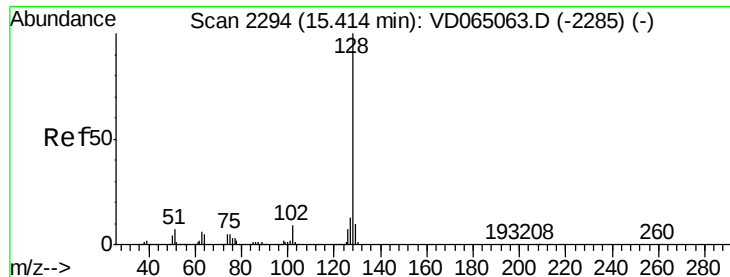
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.4	142.3
145	28.5	14.1	42.4



#94
 Hexachlorobutadiene
 Concen: 50.097 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065157.D
 Acq: 12 Feb 2020 10:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.4	94.0
227	63.7	31.8	95.3

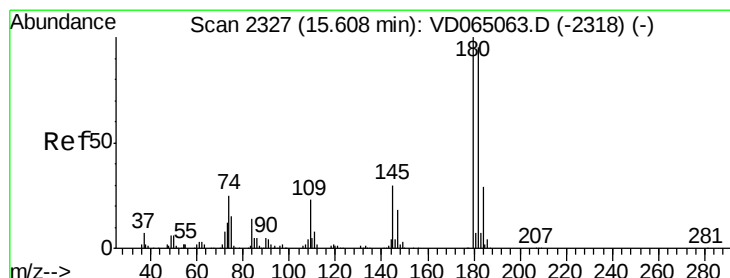
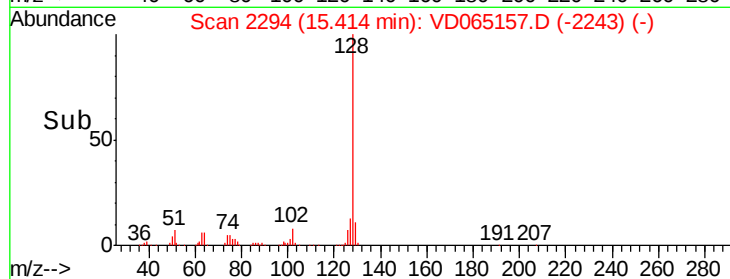
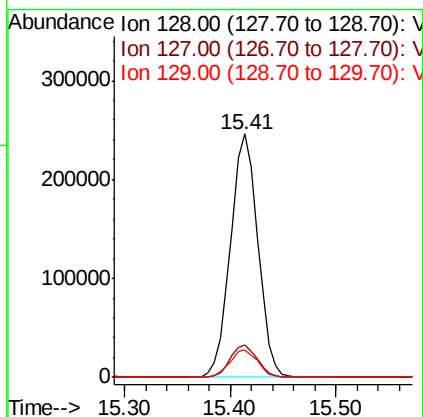
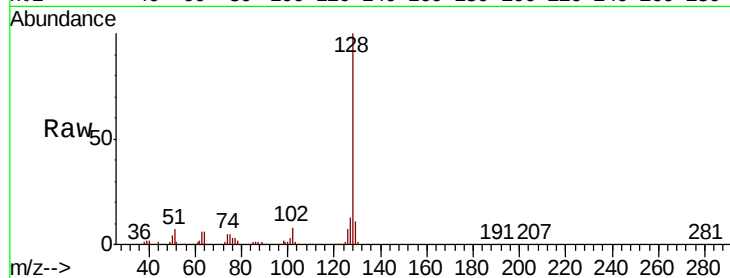




#95
Naphthalene
Concen: 45.260 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 439130
Ion Ratio Lower Upper
128 100
127 13.3 10.6 15.8
129 11.4 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 46.396 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065157.D
Acq: 12 Feb 2020 10:15

Tgt Ion:180 Resp: 231661
Ion Ratio Lower Upper
180 100
182 96.5 47.1 141.4
145 31.2 14.9 44.9

