

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030420\
 Data File : VD065413.D
 Acq On : 04 Mar 2020 16:05
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 05 01:26:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	506286	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	736996	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	656290	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	316202	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	218713	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	
35) Dibromofluoromethane	7.92	113	232176	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
50) Toluene-d8	10.34	98	911686	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	
62) 4-Bromofluorobenzene	12.64	95	285971	52.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	192034	44.134	ug/l	98
3) Chloromethane	2.21	50	235381	44.807	ug/l	100
4) Vinyl Chloride	2.35	62	240755	46.464	ug/l	95
5) Bromomethane	2.77	94	149167	51.523	ug/l	98
6) Chloroethane	2.93	64	148384	46.758	ug/l	97
7) Trichlorofluoromethane	3.27	101	353569	46.310	ug/l	100
8) Diethyl Ether	3.71	74	107423	47.313	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	225887	45.938	ug/l	99
10) Methyl Iodide	4.29	142	271399	53.127	ug/l	98
11) Tert butyl alcohol	5.24	59	59173	237.540	ug/l	98
12) 1,1-Dichloroethene	4.06	96	220440	46.817	ug/l	93
13) Acrolein	3.92	56	97826	227.705	ug/l	99
14) Allyl chloride	4.71	41	351576	48.606	ug/l	100
15) Acrylonitrile	5.43	53	235640	238.561	ug/l	99
16) Acetone	4.16	43	195135	222.170	ug/l	97
17) Carbon Disulfide	4.40	76	745620	47.551	ug/l	98
18) Methyl Acetate	4.72	43	105443	47.327	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	454786	50.226	ug/l	96
20) Methylene Chloride	4.96	84	245891	51.668	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	255856	48.848	ug/l	98
22) Diisopropyl ether	6.37	45	683874	50.861	ug/l	98
23) Vinyl Acetate	6.31	43	1936308	259.355	ug/l	99
24) 1,1-Dichloroethane	6.27	63	412272	47.803	ug/l	98
25) 2-Butanone	7.22	43	280220	233.791	ug/l	97
26) 2,2-Dichloropropane	7.21	77	357174	47.391	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	267150	49.899	ug/l	99
28) Bromochloromethane	7.55	49	172069	49.868	ug/l	99
29) Tetrahydrofuran	7.57	42	186678	243.885	ug/l	98
30) Chloroform	7.71	83	419495	48.664	ug/l	97
31) Cyclohexane	7.99	56	394978	45.801	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	381911	47.941	ug/l	100
36) 1,1-Dichloropropene	8.11	75	339527	48.060	ug/l	99
37) Ethyl Acetate	7.30	43	136350	49.935	ug/l	98
38) Carbon Tetrachloride	8.10	117	344529	47.030	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	416258	48.785	ug/l	97
40) Benzene	8.35	78	976296	49.427	ug/l	100
41) Methacrylonitrile	7.53	41	67895	47.017	ug/l	92
42) 1,2-Dichloroethane	8.43	62	252084	48.874	ug/l	99
43) Isopropyl Acetate	8.46	43	242256	48.049	ug/l	99
44) Trichloroethene	9.11	130	266838	47.836	ug/l	97
45) 1,2-Dichloropropane	9.39	63	239312	50.017	ug/l	94
46) Dibromomethane	9.48	93	120366	48.499	ug/l	98
47) Bromodichloromethane	9.67	83	318657	49.354	ug/l	97
48) Methyl methacrylate	9.46	41	117419	49.510	ug/l	100
49) 1,4-Dioxane	9.47	88	26803	944.153	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	628301	247.640	ug/l	100
52) Toluene	10.41	92	621285	49.929	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	299545	49.645	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	371318	50.842	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	168485	47.932	ug/l	98
56) Ethyl methacrylate	10.67	69	204963	51.723	ug/l	98
57) 1,3-Dichloropropane	10.95	76	291421	48.999	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	287136	231.996	ug/l	99
59) 2-Hexanone	10.99	43	432114	246.034	ug/l	99
60) Dibromochloromethane	11.14	129	217617	48.297	ug/l	98
61) 1,2-Dibromoethane	11.25	107	163166	48.665	ug/l	99
64) Tetrachloroethene	10.88	164	229949	48.897	ug/l	98
65) Chlorobenzene	11.67	112	643773	49.569	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	239075	50.545	ug/l	97
67) Ethyl Benzene	11.75	91	1146329	51.083	ug/l	99
68) m/p-Xylenes	11.86	106	884558	102.228	ug/l	99
69) o-Xylene	12.18	106	399566	52.496	ug/l	99
70) Styrene	12.20	104	706973	52.777	ug/l	100
71) Bromoform	12.37	173	129890	48.889	ug/l #	99
73) Isopropylbenzene	12.48	105	1087238	52.276	ug/l	100
74) N-amyl acetate	12.30	43	219389	51.525	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	176090	48.167	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	231446	92.760	ug/l #	100
77) Bromobenzene	12.77	156	259931	50.303	ug/l	99
78) n-propylbenzene	12.83	91	1288783	52.226	ug/l	99
79) 2-Chlorotoluene	12.91	91	715687	51.460	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	879494	51.437	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	58807	49.738	ug/l	99
82) 4-Chlorotoluene	13.01	91	743032	50.842	ug/l	100
83) tert-Butylbenzene	13.23	119	754155	52.135	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	879462	52.181	ug/l	99
85) sec-Butylbenzene	13.41	105	1064646	51.561	ug/l	100
86) p-Isopropyltoluene	13.53	119	972162	51.597	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	491993	49.524	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	483406	48.917	ug/l	100
89) n-Butylbenzene	13.86	91	884946	50.804	ug/l	99
90) Hexachloroethane	14.12	117	190412	49.074	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	422657	49.994	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	25279	45.403	ug/l	99

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Response via : Initial Calibration

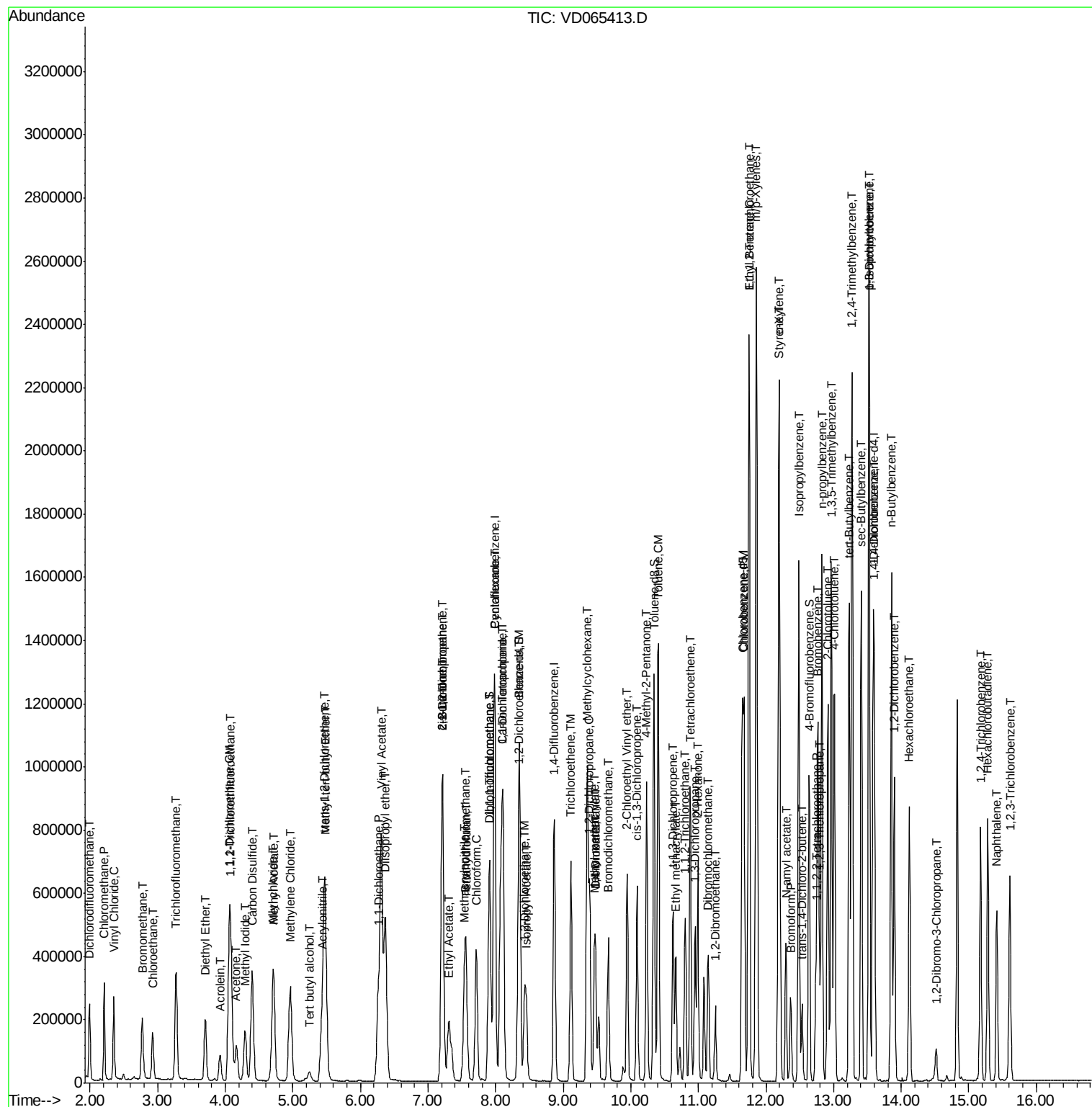
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	280188	48.899	ug/l	99
94) Hexachlorobutadiene	15.28	225	178341	47.368	ug/l	99
95) Naphthalene	15.41	128	473200	46.658	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	247250	49.935	ug/l	98

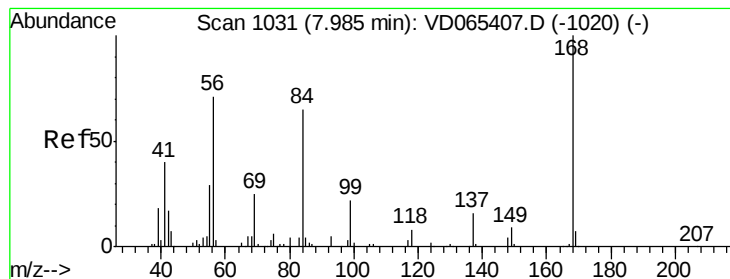
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065413.D

Acq: 04 Mar 2020 16:05

Instrument :

MSVOA_D

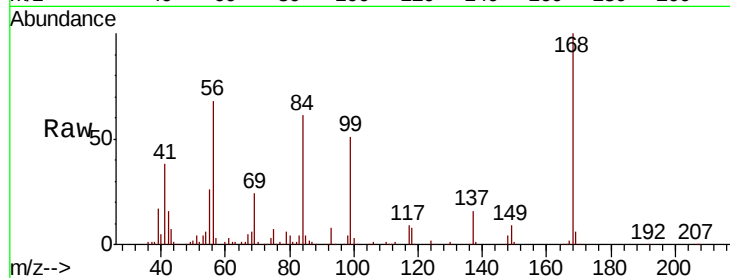
ClientSampleId :

Tot Ion:168 Resp: 506286

Ion Ratio Lower Upper

168 100

99 50.6 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

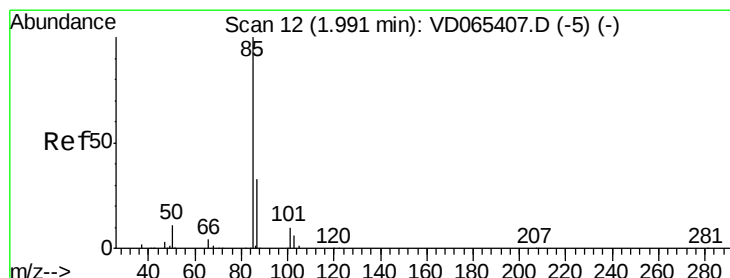
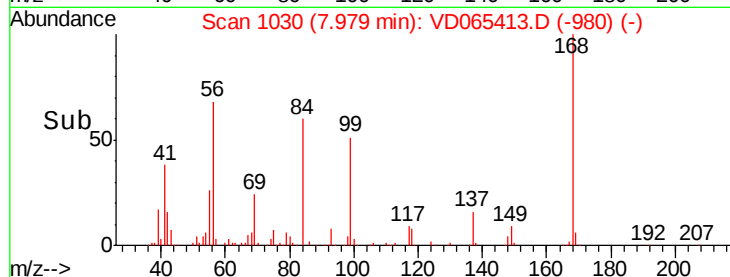
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 44.134 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065413.D

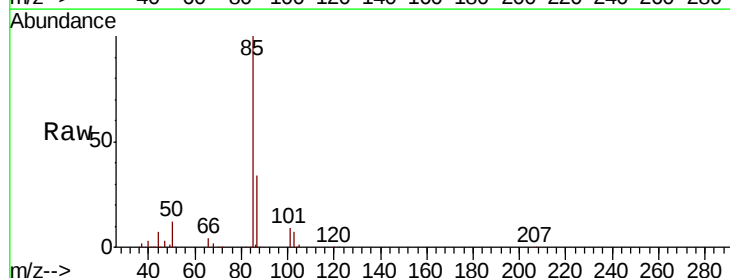
Acq: 04 Mar 2020 16:05

Tgt Ion: 85 Resp: 192034

Ion Ratio Lower Upper

85 100

87 33.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

150000

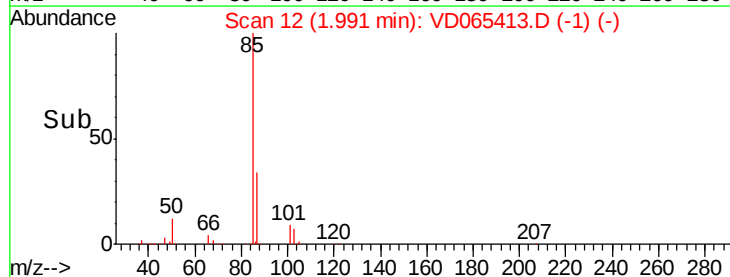
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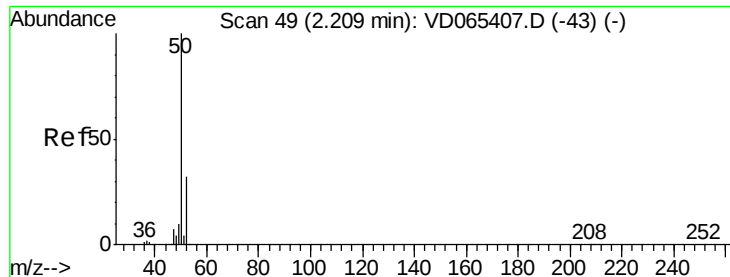
50000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 44.807 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065413.D

Acq: 04 Mar 2020 16:05

Instrument :

MSVOA_D

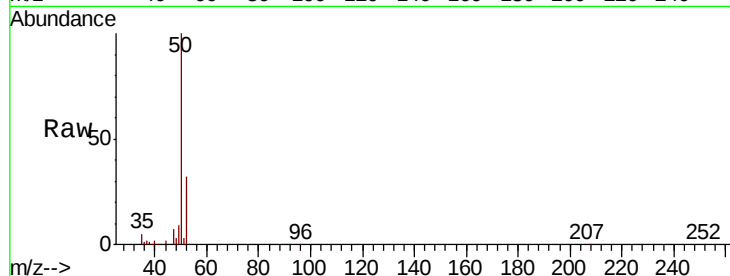
ClientSampleId :

Tot Ion: 50 Resp: 235381

Ion Ratio Lower Upper

50 100

52 32.4 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

200000

150000

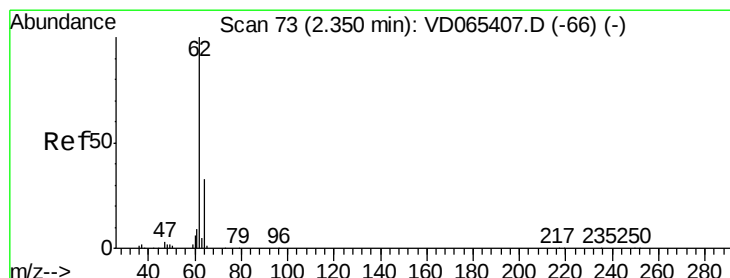
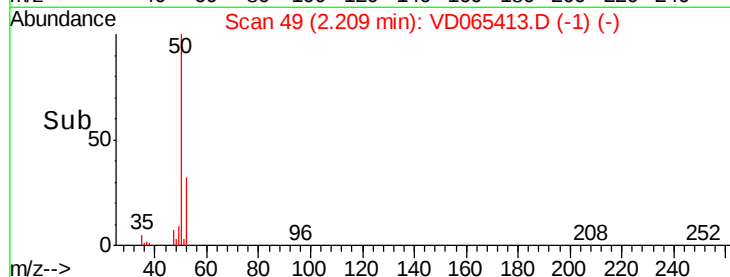
100000

50000

0

Time-->

2.15 2.20 2.25 2.30



#4

Vinyl Chloride

Concen: 46.464 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065413.D

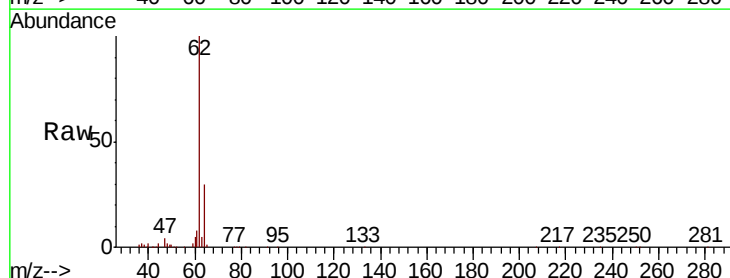
Acq: 04 Mar 2020 16:05

Tgt Ion: 62 Resp: 240755

Ion Ratio Lower Upper

62 100

64 30.4 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

150000

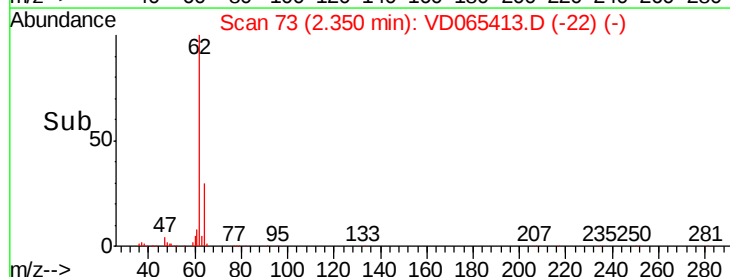
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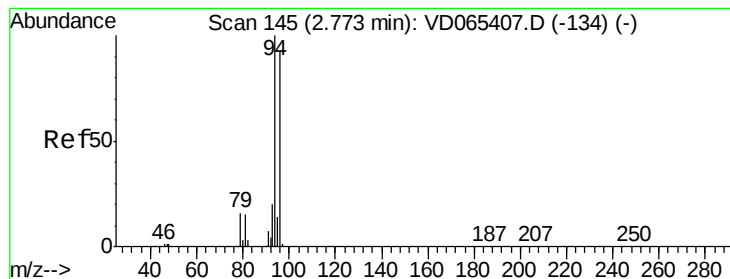
50000

0

Time-->

2.25 2.30 2.35 2.40 2.45





#5

Bromomethane

Concen: 51.523 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065413.D

Acq: 04 Mar 2020 16:05

Instrument :

MSVOA_D

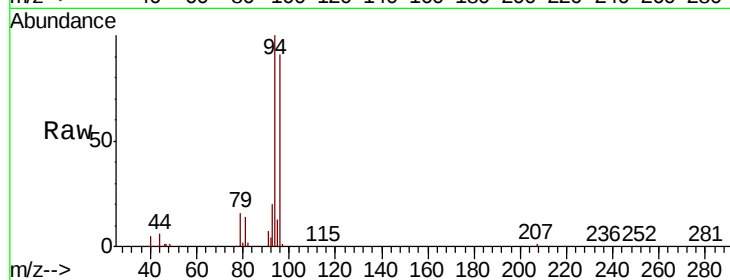
ClientSampleId :

Tot Ion: 94 Resp: 149167

Ion Ratio Lower Upper

94 100

96 90.8 74.4 111.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

80000

60000

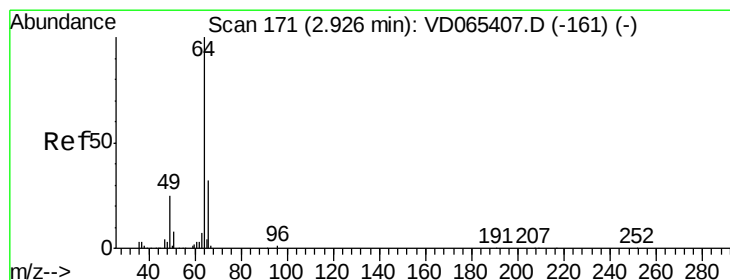
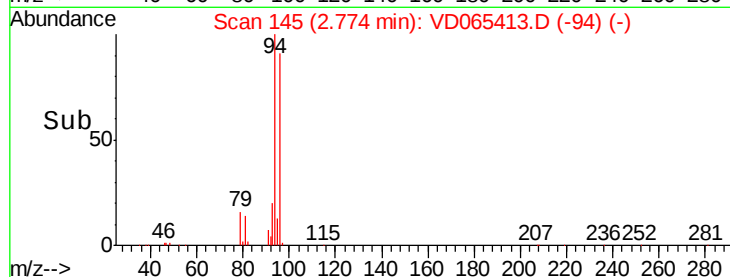
40000

20000

0

Time-->

2.70 2.75 2.80 2.85



#6

Chloroethane

Concen: 46.758 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065413.D

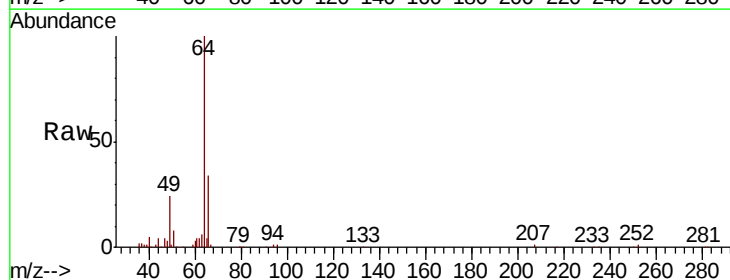
Acq: 04 Mar 2020 16:05

Tgt Ion: 64 Resp: 148384

Ion Ratio Lower Upper

64 100

66 33.5 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

80000

60000

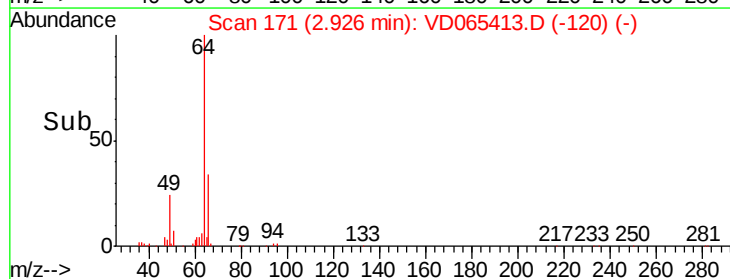
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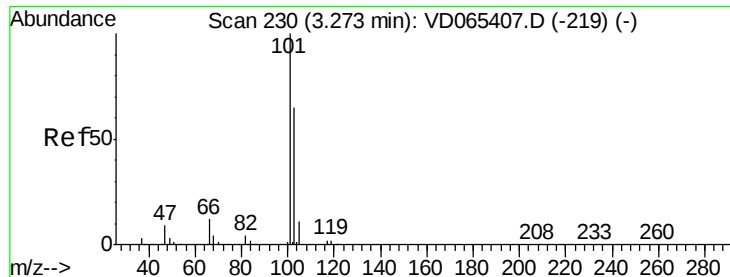
20000

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Time-->

2.80 2.90 3.00



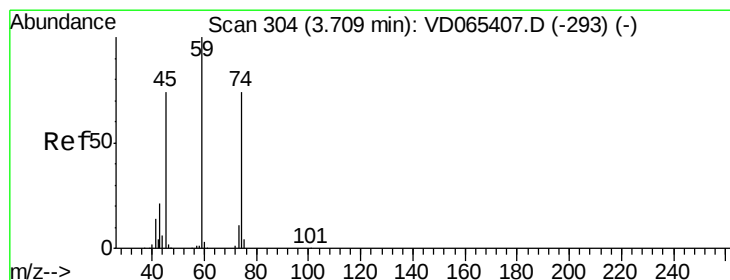
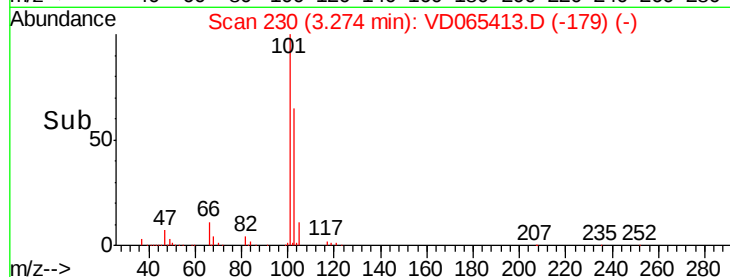
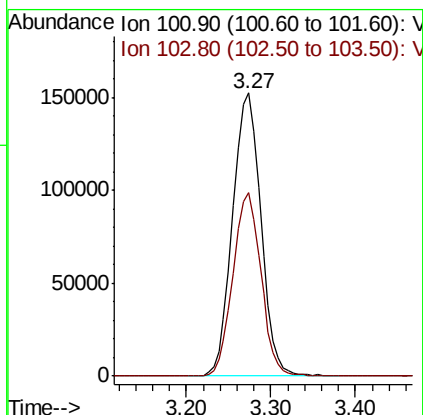
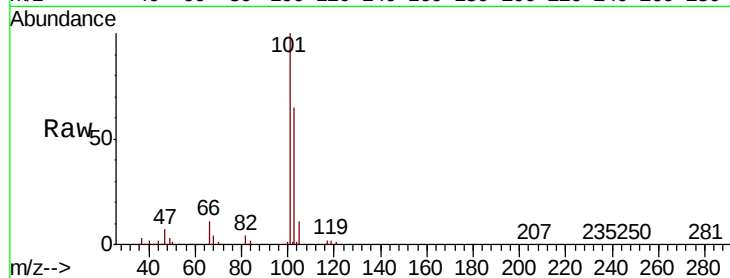


#7

Trichlorofluoromethane
 Concen: 46.310 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065413.D
 Acq: 04 Mar 2020 16:05

Instrument :
 MSVOA_D
 ClientSampleId :

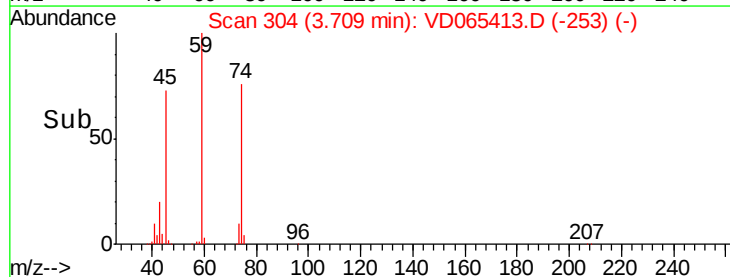
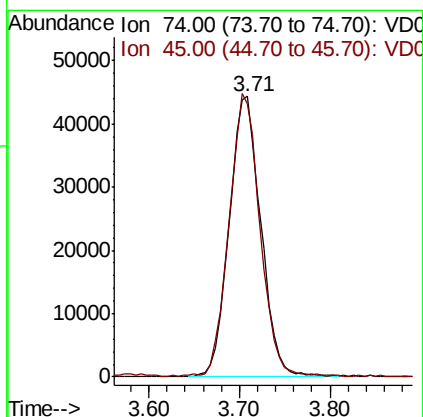
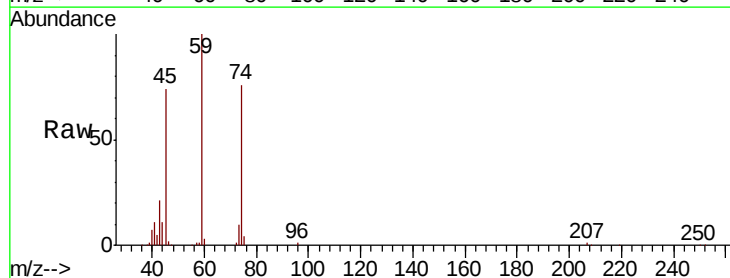
Tot Ion:101 Resp: 353569
 Ion Ratio Lower Upper
 101 100
 103 64.7 52.1 78.1

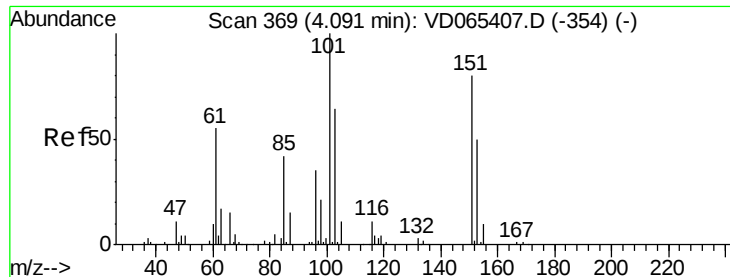


#8

Diethyl Ether
 Concen: 47.313 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065413.D
 Acq: 04 Mar 2020 16:05

Tgt Ion: 74 Resp: 107423
 Ion Ratio Lower Upper
 74 100
 45 97.7 49.5 148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.938 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065413.D

Acq: 04 Mar 2020 16:05

Instrument :

MSVOA_D

ClientSampled :

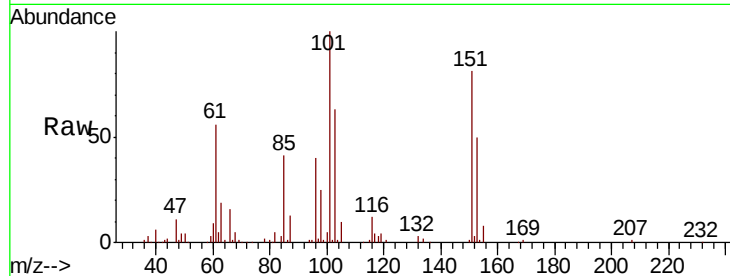
Tot Ion:101 Resp: 225887

Ion Ratio Lower Upper

101 100

85 42.1 34.2 51.2

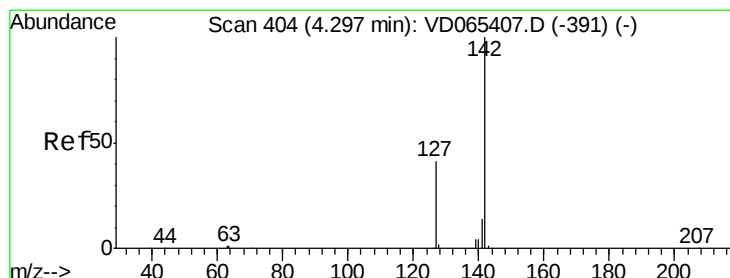
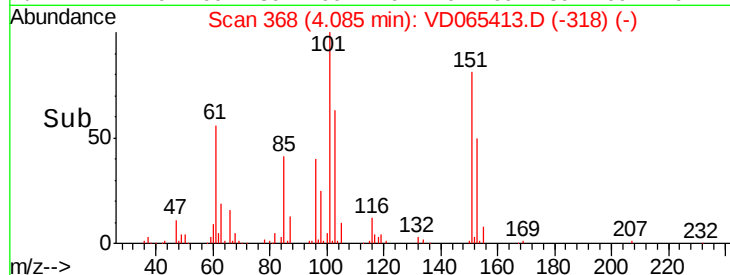
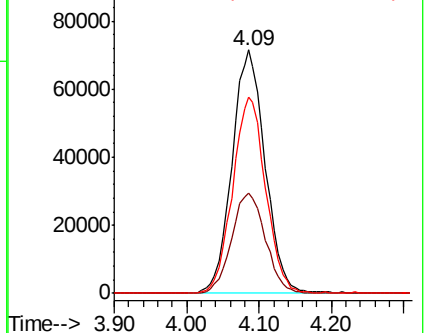
151 80.5 65.1 97.7



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: 53.127 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065413.D

Acq: 04 Mar 2020 16:05

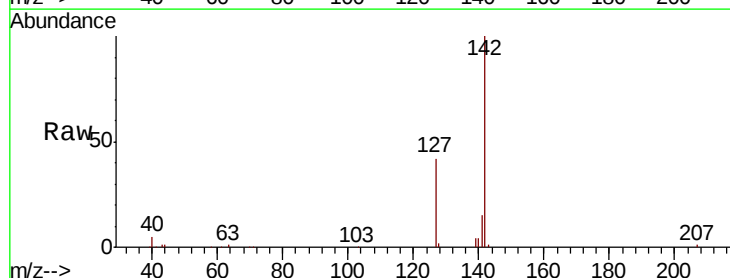
Tgt Ion:142 Resp: 271399

Ion Ratio Lower Upper

142 100

127 42.8 35.0 52.6

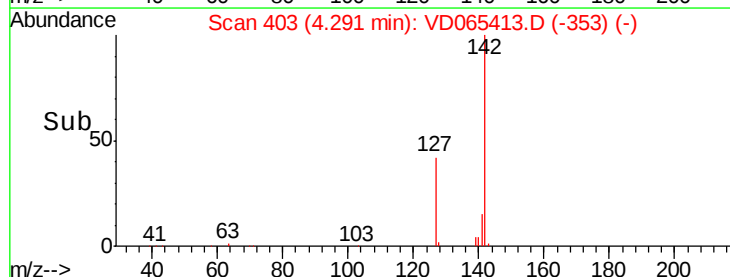
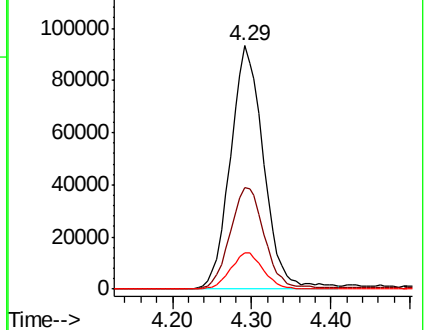
141 14.5 12.4 18.6

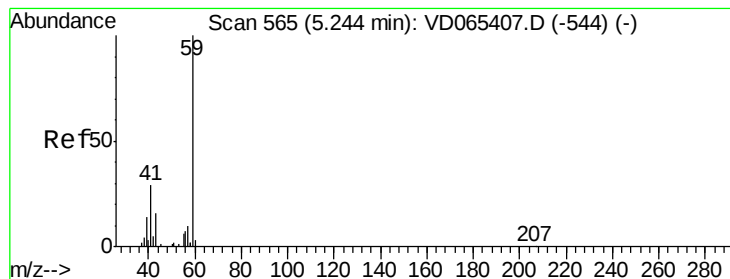


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



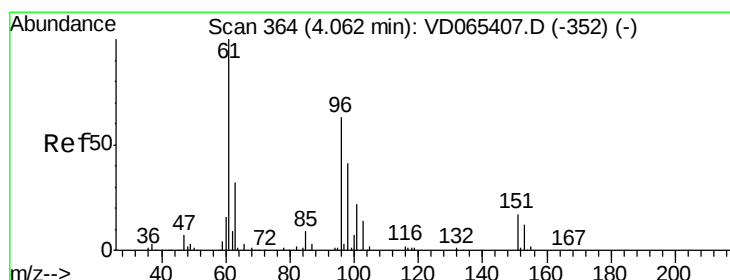
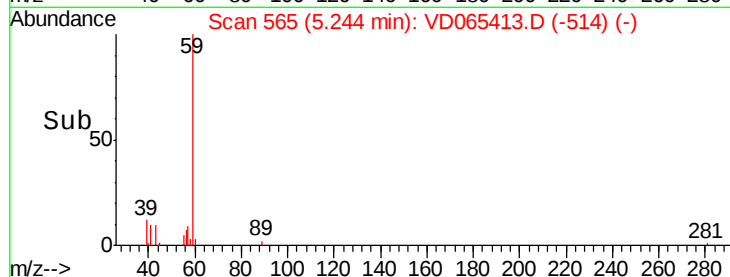
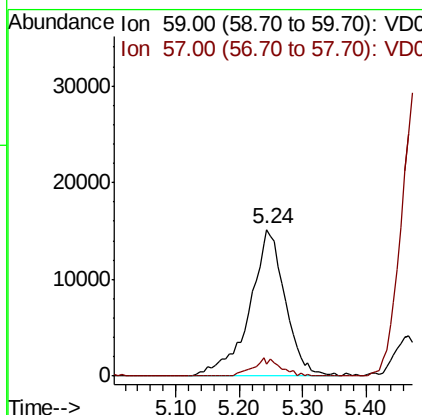
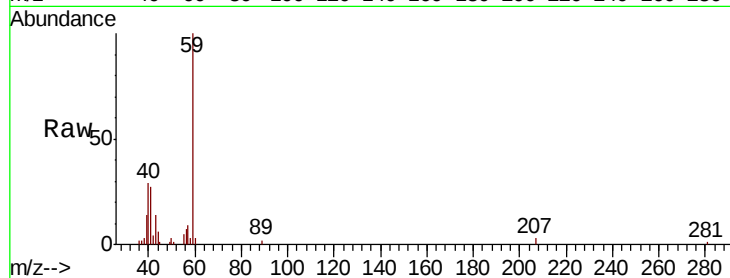


#11

Tert butyl alcohol
 Concen: 237.540 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VD065413.D
 Acq: 04 Mar 2020 16:05

Instrument :
 MSVOA_D
 ClientSampleId :

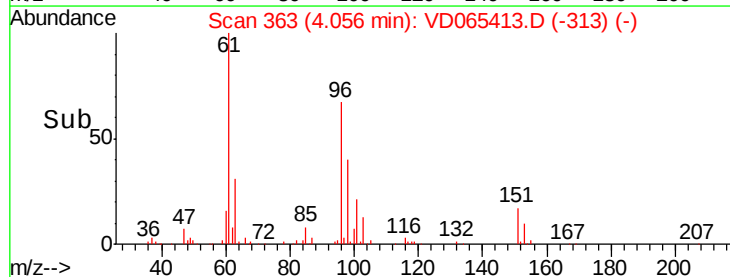
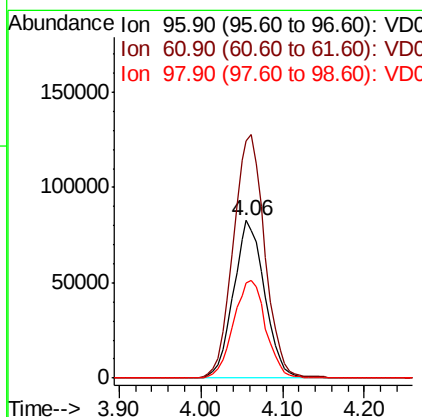
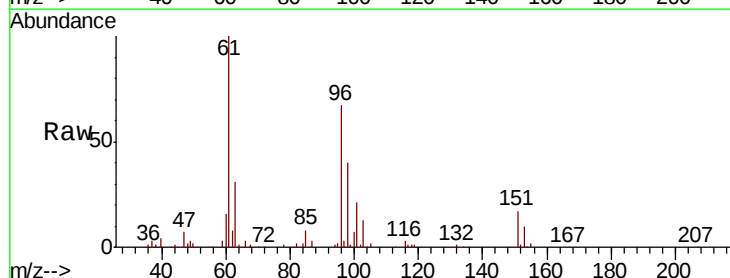
Tot Ion: 59 Resp: 59173
 Ion Ratio Lower Upper
 59 100
 57 9.3 6.9 10.3

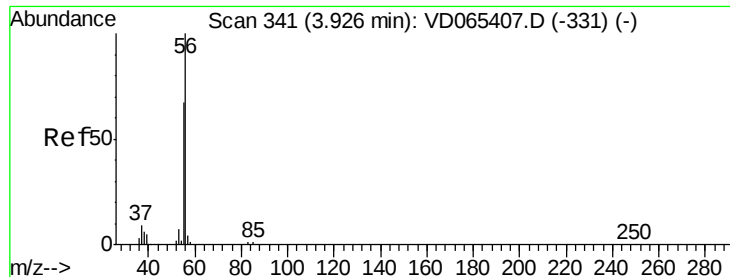


#12

1,1-Dichloroethene
 Concen: 46.817 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD065413.D
 Acq: 04 Mar 2020 16:05

Tgt Ion: 96 Resp: 220440
 Ion Ratio Lower Upper
 96 100
 61 150.3 128.0 192.0
 98 60.7 51.9 77.9





#13

Acrolein

Concen: 227.705 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065413.D

Acq: 04 Mar 2020 16:05

Instrument :

MSVOA_D

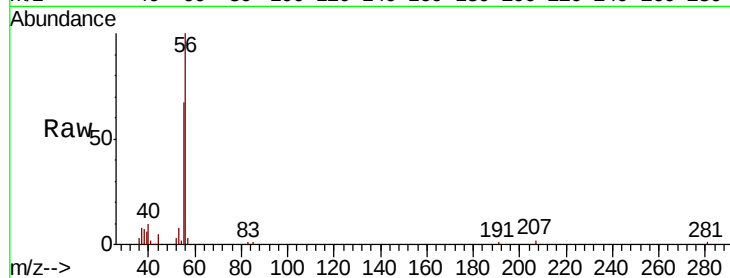
ClientSampleId :

Tot Ion: 56 Resp: 97826

Ion Ratio Lower Upper

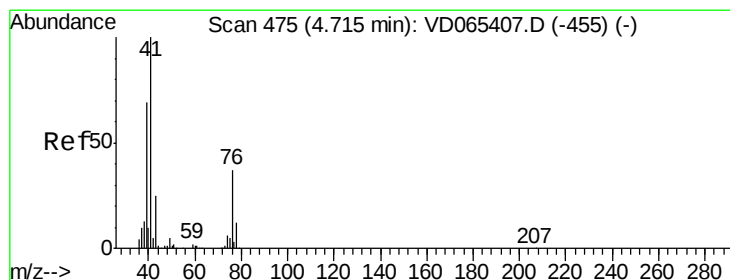
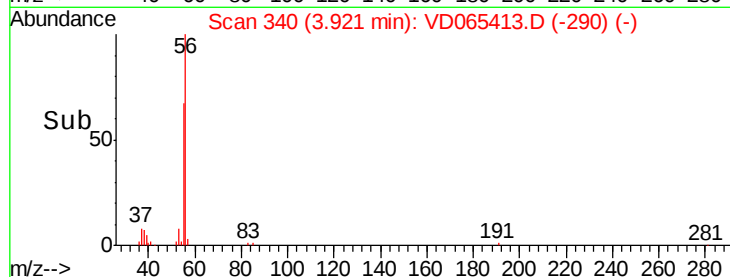
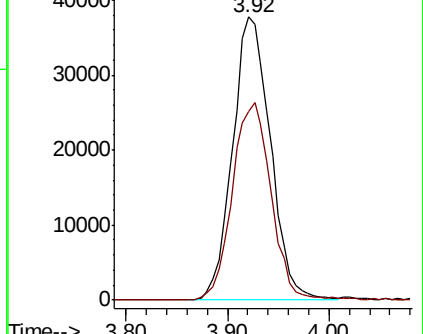
56 100

55 71.4 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 48.606 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065413.D

Acq: 04 Mar 2020 16:05

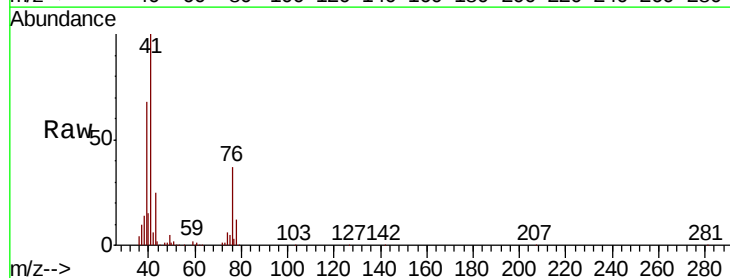
Tgt Ion: 41 Resp: 351576

Ion Ratio Lower Upper

41 100

39 65.9 52.6 79.0

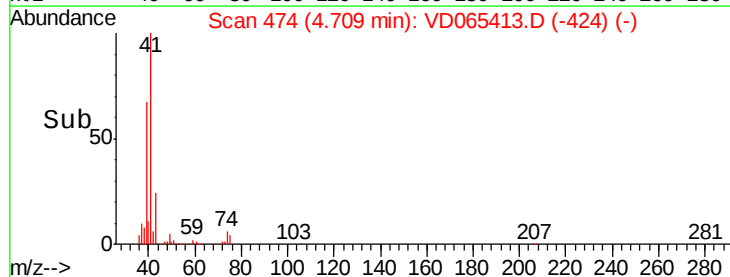
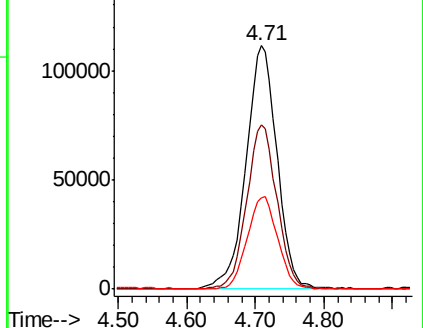
76 36.8 29.2 43.8

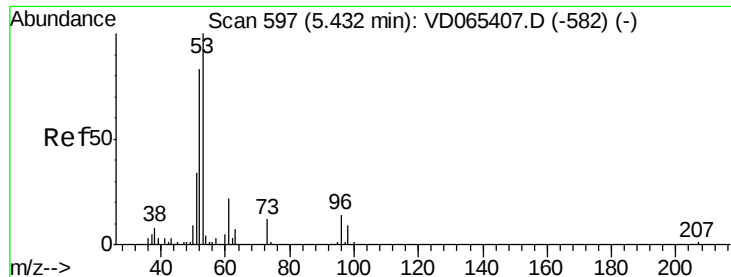


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 238.561 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065413.D

Acq: 04 Mar 2020 16:05

Instrument :

MSVOA_D

ClientSampleId :

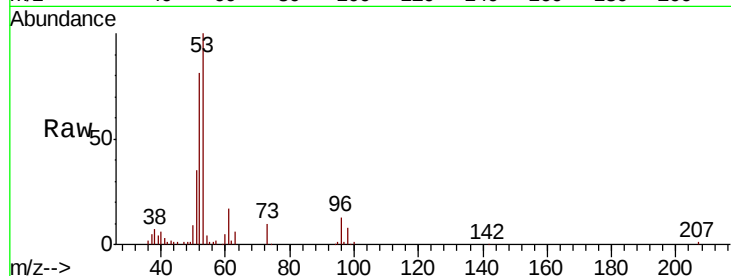
Tot Ion: 53 Resp: 235640

Ion Ratio Lower Upper

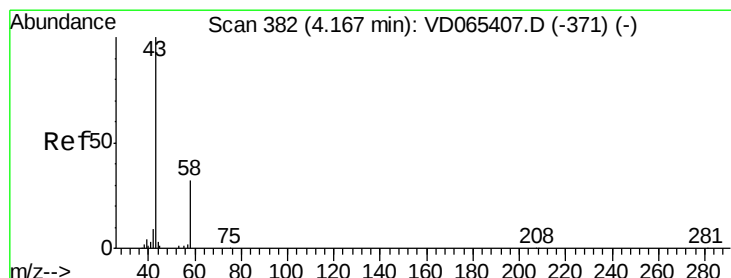
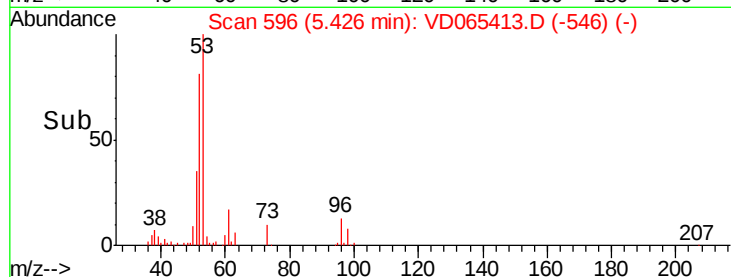
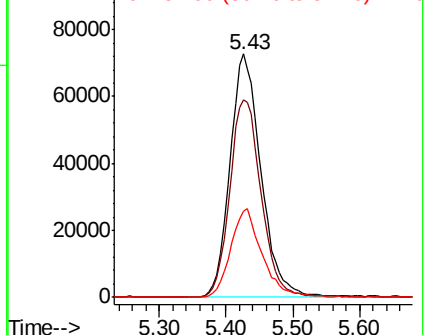
53 100

52 81.7 65.1 97.7

51 36.6 28.5 42.7



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 222.170 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065413.D

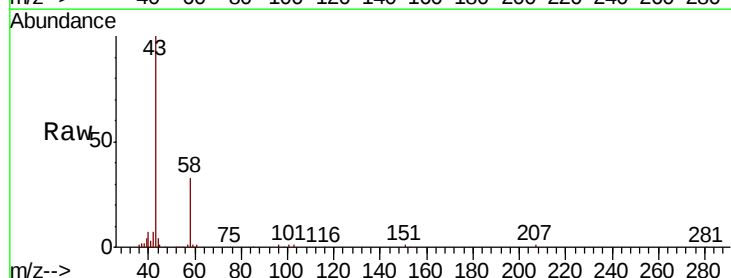
Acq: 04 Mar 2020 16:05

Tgt Ion: 43 Resp: 195135

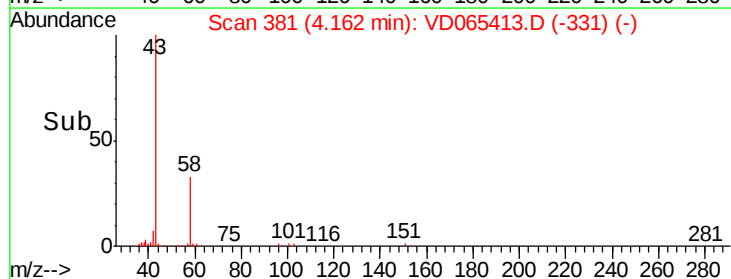
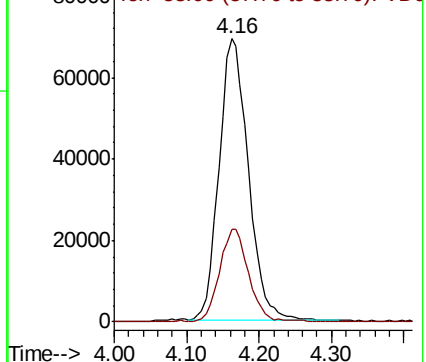
Ion Ratio Lower Upper

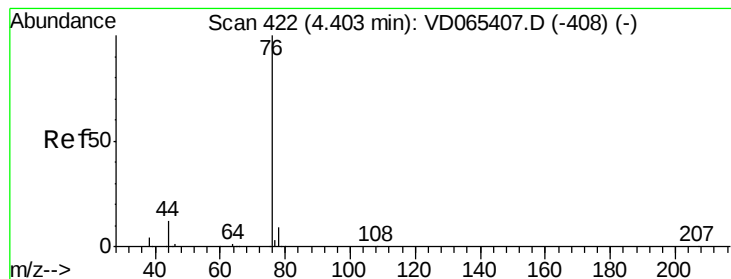
43 100

58 32.9 25.1 37.7



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





#17

Carbon Disulfide

Concen: 47.551 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD065413.D

Acq: 04 Mar 2020 16:05

Instrument :

MSVOA_D

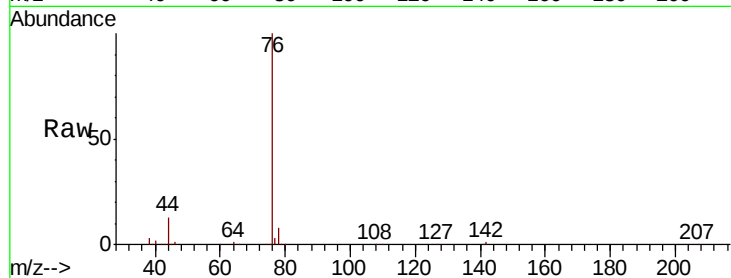
ClientSampleId :

Tot Ion: 76 Resp: 745620

Ion Ratio Lower Upper

76 100

78 8.5 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

250000

200000

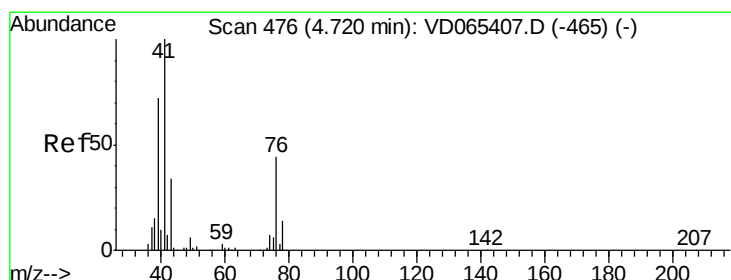
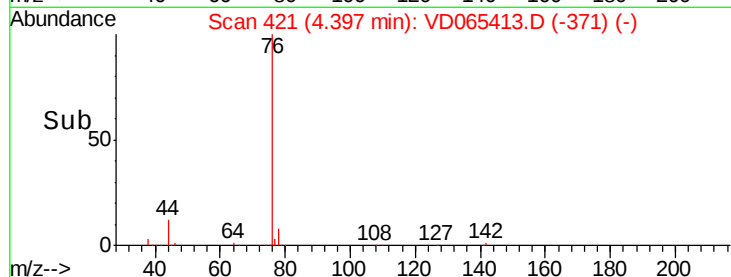
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 47.327 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.00 min

Lab File: VD065413.D

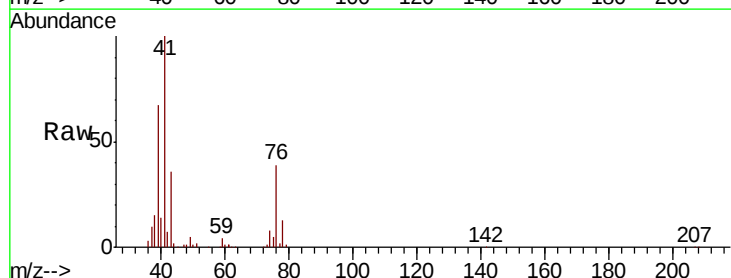
Acq: 04 Mar 2020 16:05

Tgt Ion: 43 Resp: 105443

Ion Ratio Lower Upper

43 100

74 23.5 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

40000

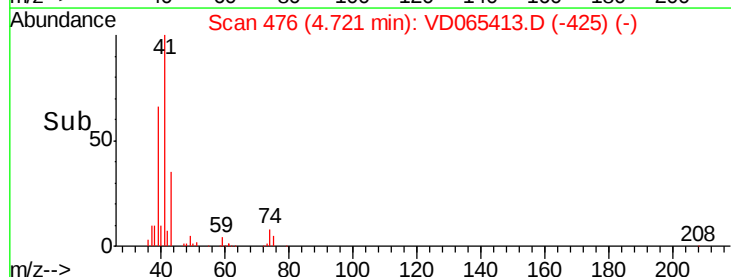
30000

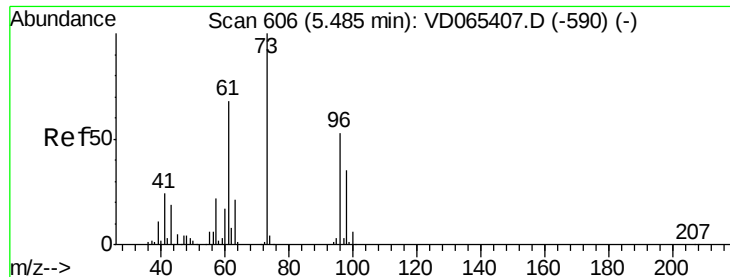
20000

10000

0

Time-->

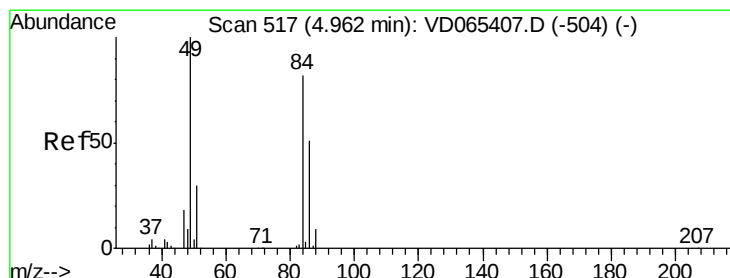
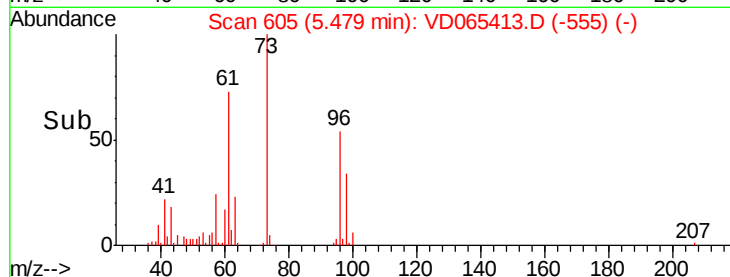
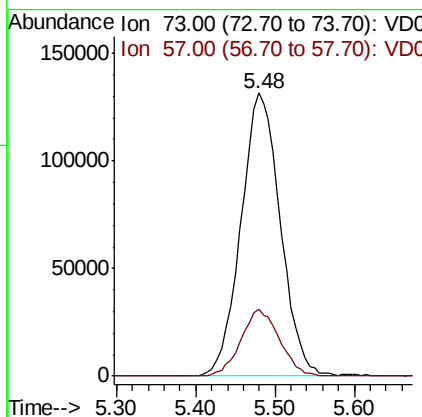
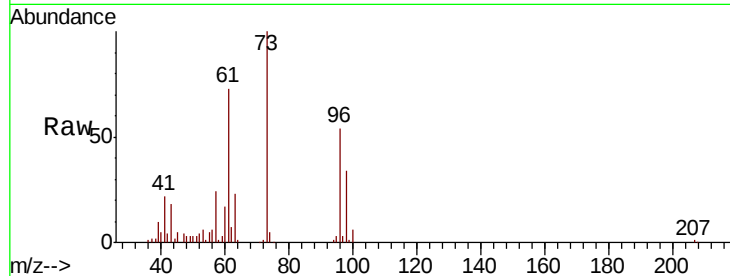




#19
Methvl tert-butvl Ether
Concen: 50.226 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

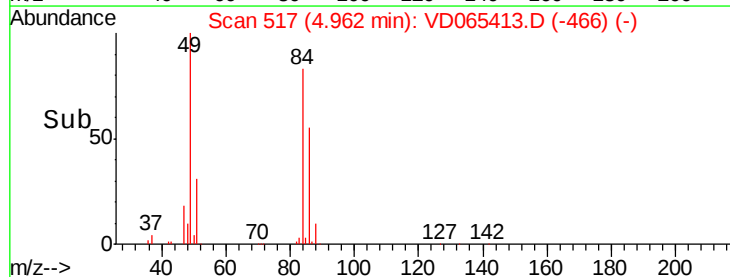
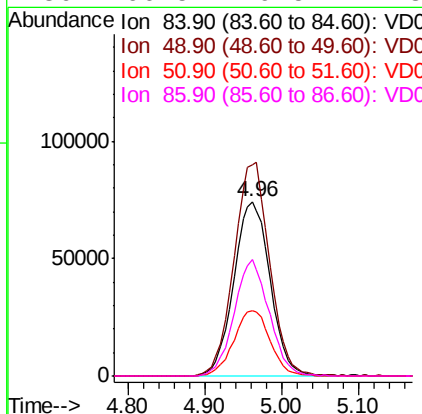
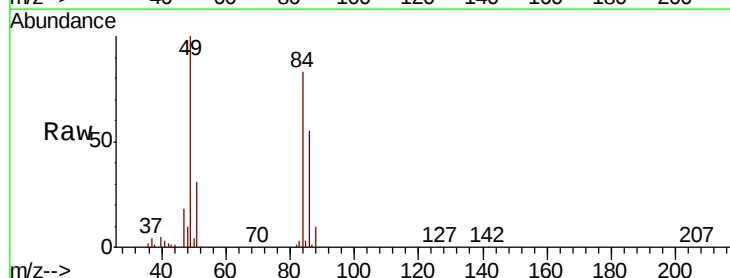
Instrument :
MSVOA_D
ClientSampleId :

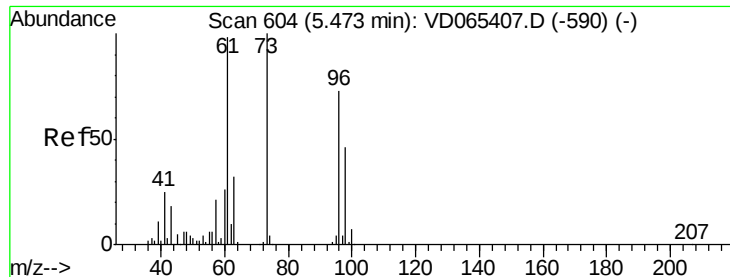
Tot Ion: 73 Resp: 454786
Ion Ratio Lower Upper
73 100
57 23.6 17.3 25.9



#20
Methylene Chloride
Concen: 51.668 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

Tgt Ion: 84 Resp: 245891
Ion Ratio Lower Upper
84 100
49 120.9 97.7 146.5
51 37.4 28.8 43.2
86 66.5 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 48.848 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065413.D

Acq: 04 Mar 2020 16:05

Instrument :
MSVOA_D
ClientSampleId :

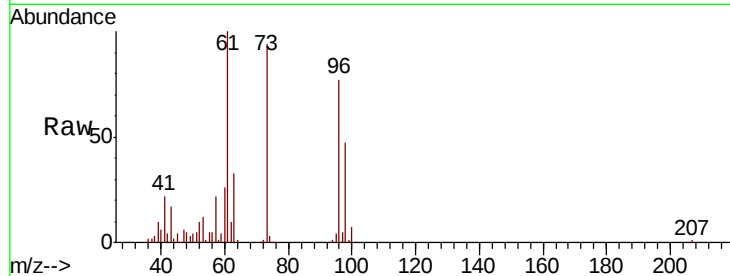
Tot Ion: 96 Resp: 255856

Ion Ratio Lower Upper

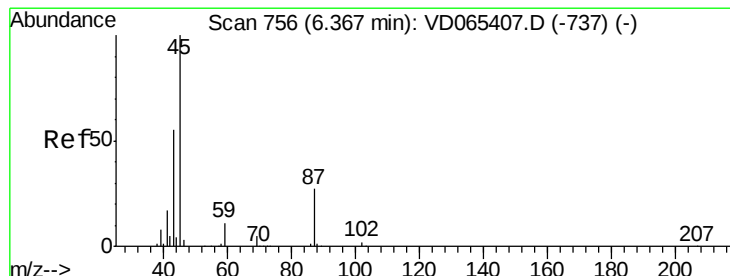
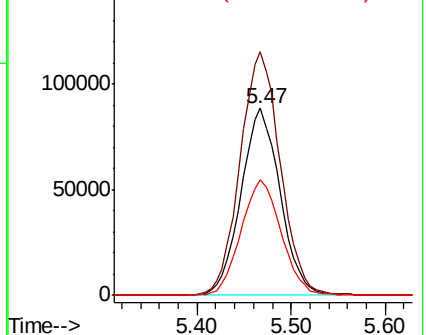
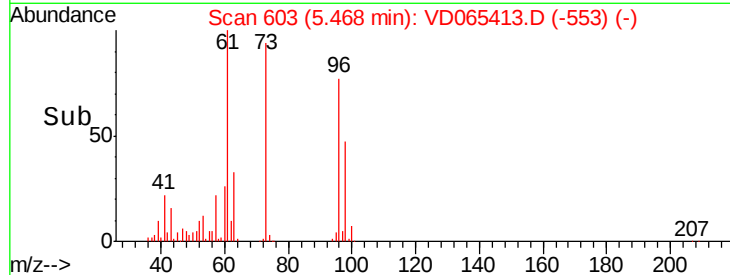
96 100

61 130.3 106.3 159.5

98 61.6 50.2 75.4



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: 50.861 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.00 min

Lab File: VD065413.D

Acq: 04 Mar 2020 16:05

Tgt Ion: 45 Resp: 683874

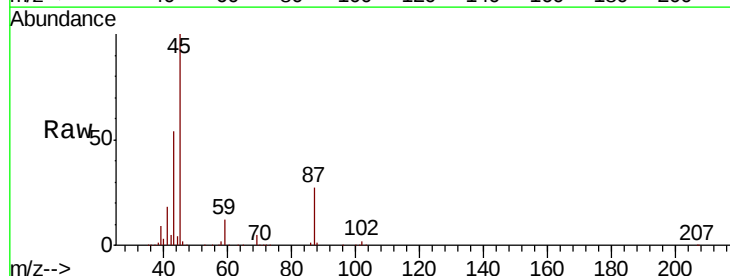
Ion Ratio Lower Upper

45 100

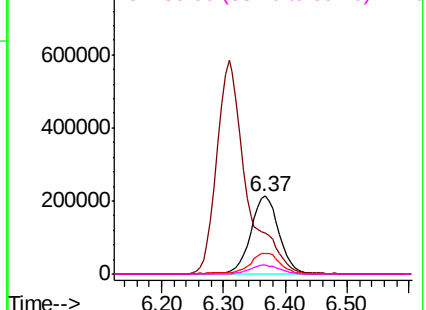
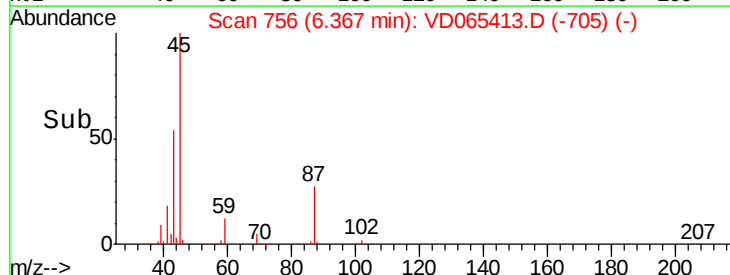
43 53.4 44.4 66.6

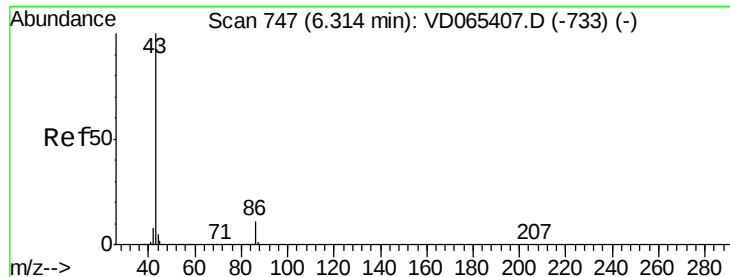
87 26.8 21.9 32.9

59 11.7 9.2 13.8



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: 259.355 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065413.D

Acq: 04 Mar 2020 16:05

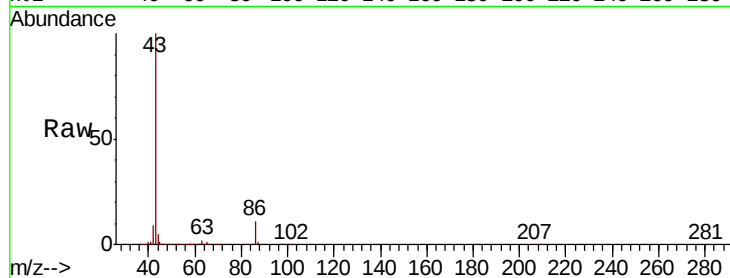
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 1936308

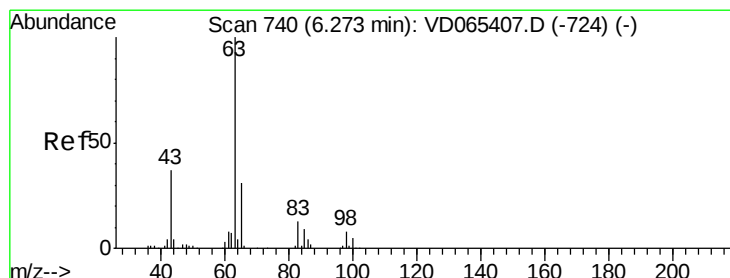
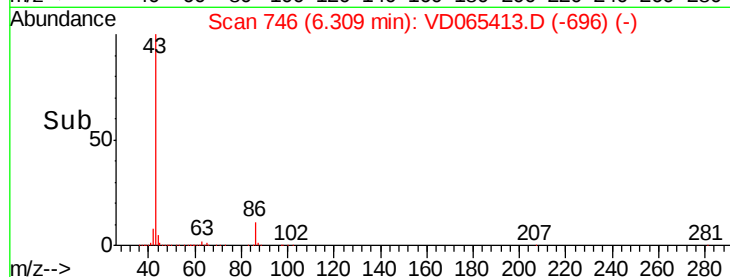
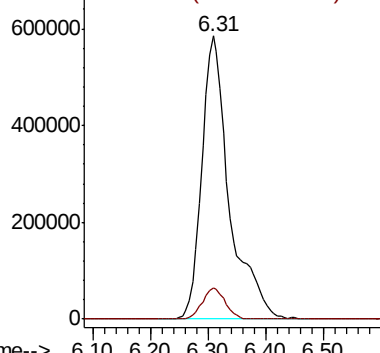
Ion Ratio Lower Upper

43 100

86 10.9 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 47.803 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD065413.D

Acq: 04 Mar 2020 16:05

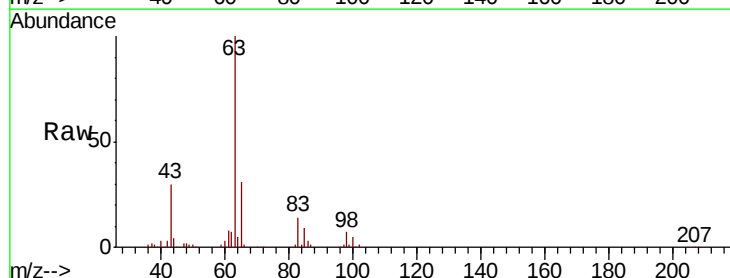
Tgt Ion: 63 Resp: 412272

Ion Ratio Lower Upper

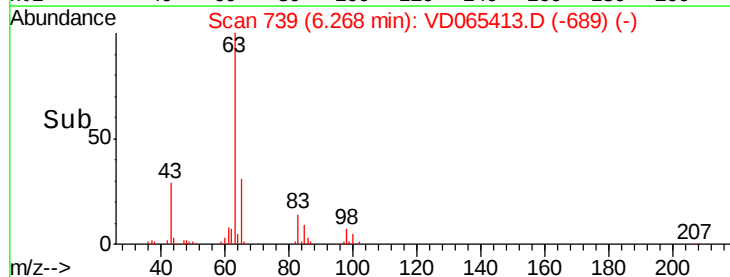
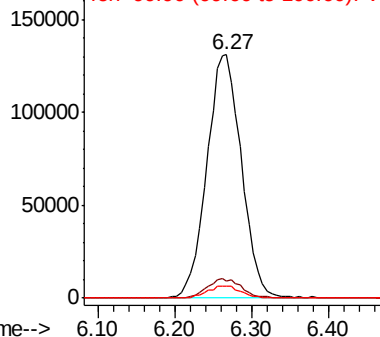
63 100

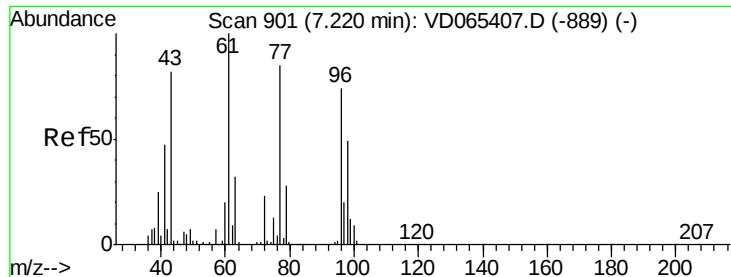
98 7.2 4.2 12.6

100 4.9 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VDC
Ion 97.90 (97.60 to 98.60): VDC
Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 233.791 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065413.D

Acq: 04 Mar 2020 16:05

Instrument :

MSVOA_D

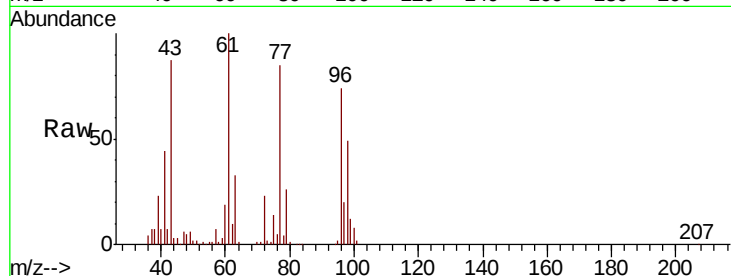
ClientSampleId :

Tot Ion: 43 Resp: 280220

Ion Ratio Lower Upper

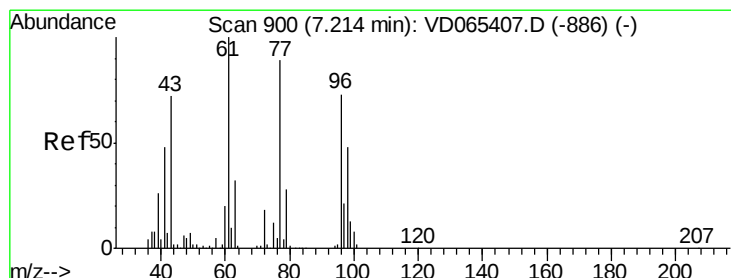
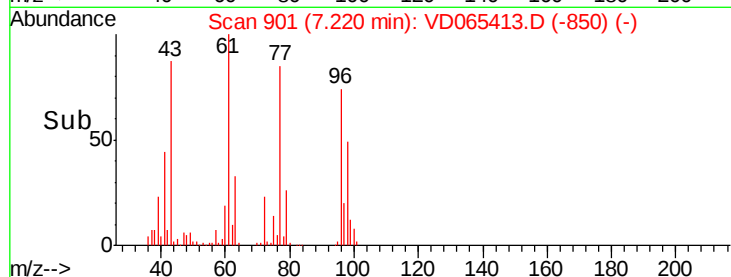
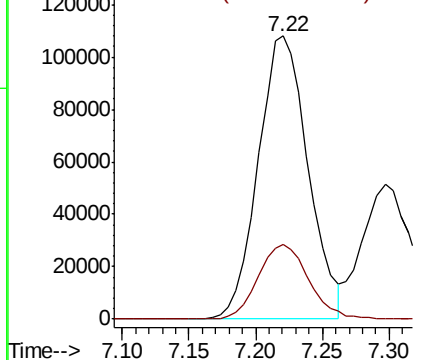
43 100

72 26.5 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 47.391 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065413.D

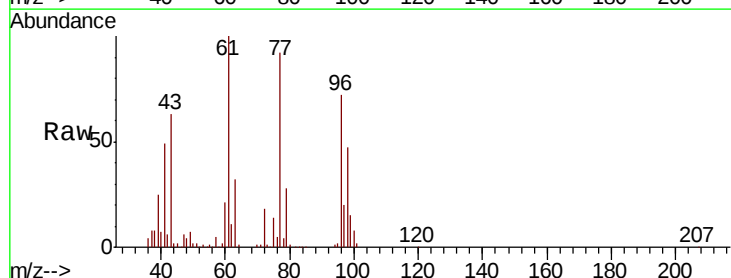
Acq: 04 Mar 2020 16:05

Tgt Ion: 77 Resp: 357174

Ion Ratio Lower Upper

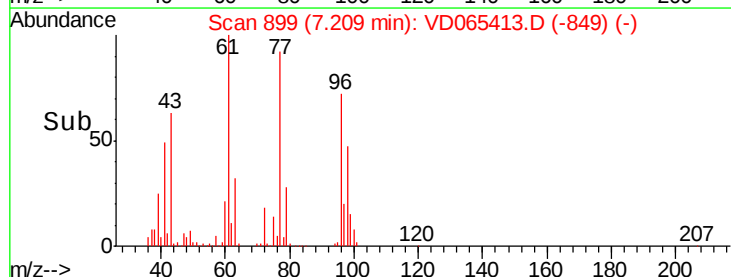
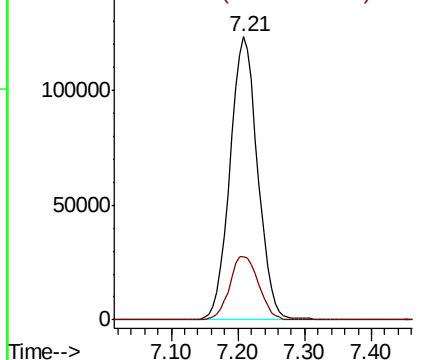
77 100

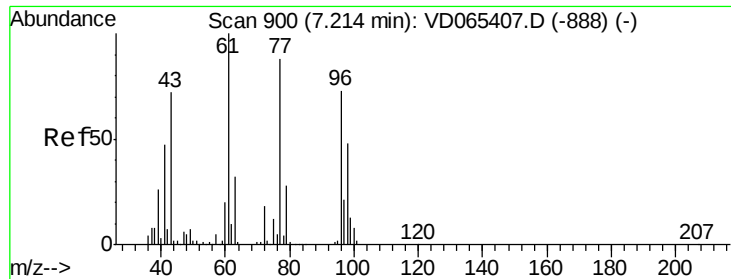
97 23.6 11.8 35.4



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



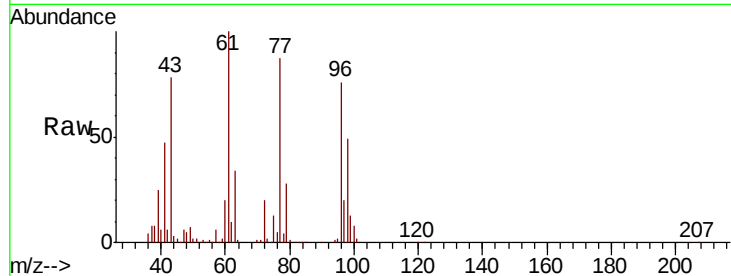


#27

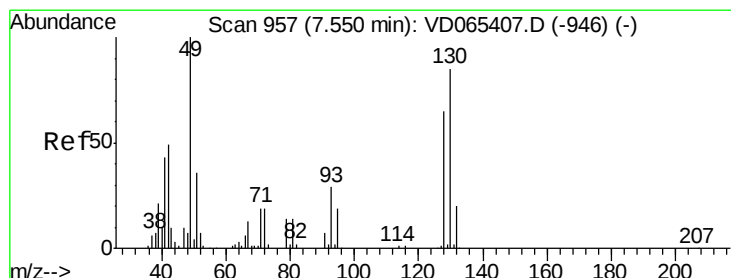
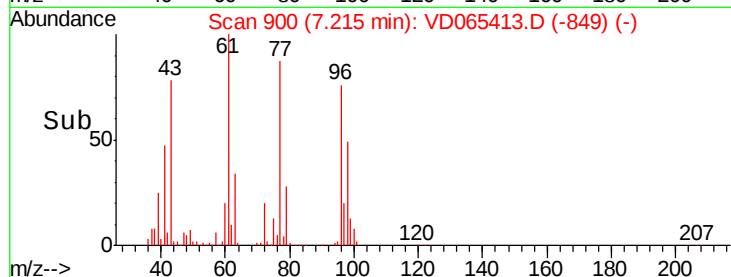
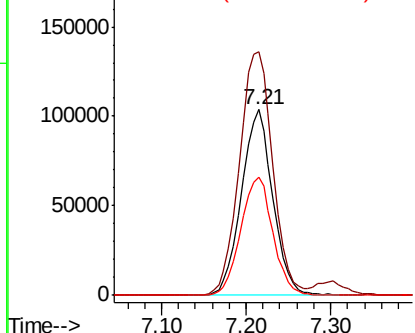
cis-1,2-Dichloroethene
 Concen: 49.899 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065413.D
 Acq: 04 Mar 2020 16:05

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 96 Resp: 267150
 Ion Ratio Lower Upper
 96 100
 61 139.2 0.0 280.4
 98 65.3 0.0 132.6



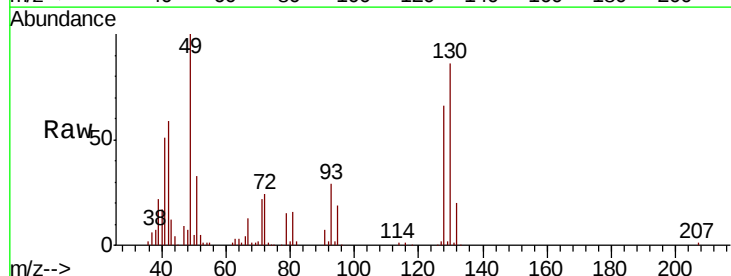
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



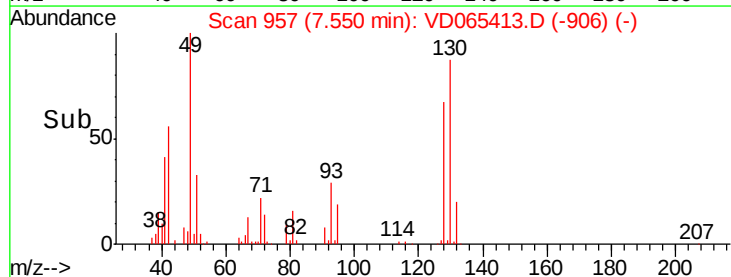
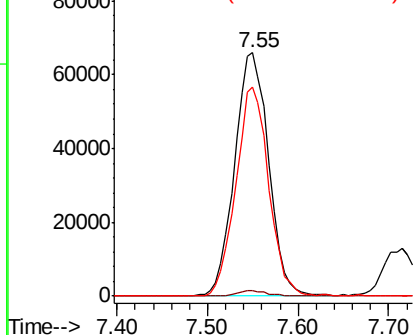
#28

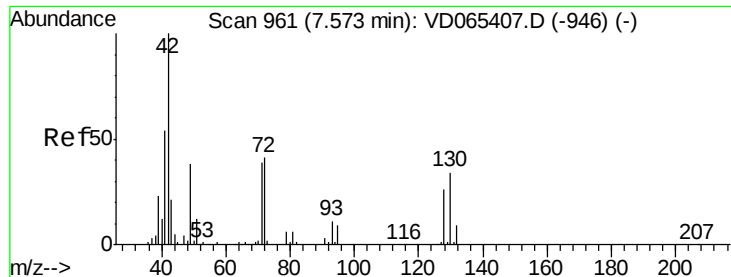
Bromochloromethane
 Concen: 49.868 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065413.D
 Acq: 04 Mar 2020 16:05

Tgt Ion: 49 Resp: 172069
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 4.6
 130 82.8 66.6 100.0



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

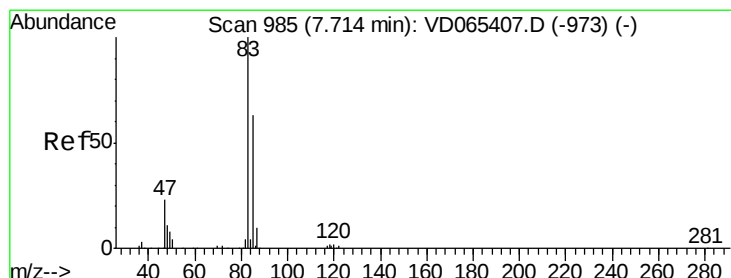
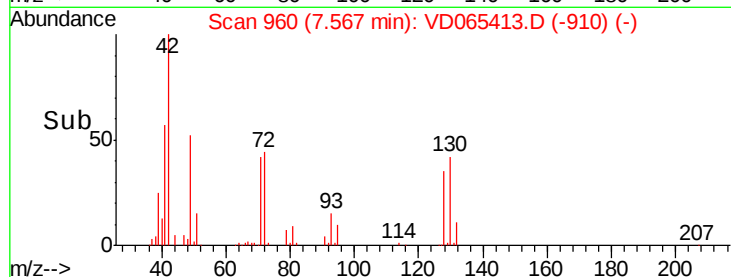
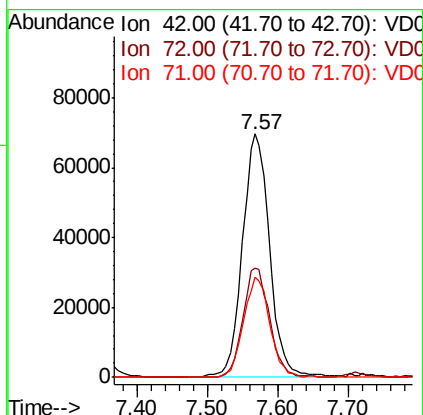
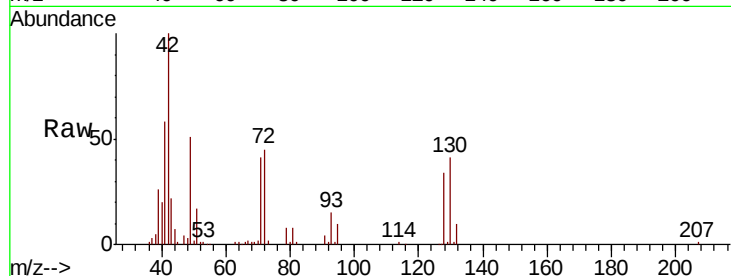




#29
Tetrahydrofuran
Concen: 243.885 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

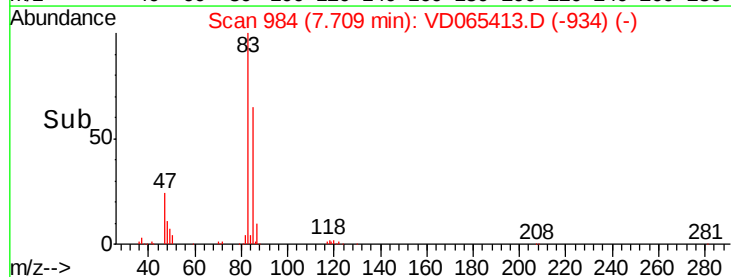
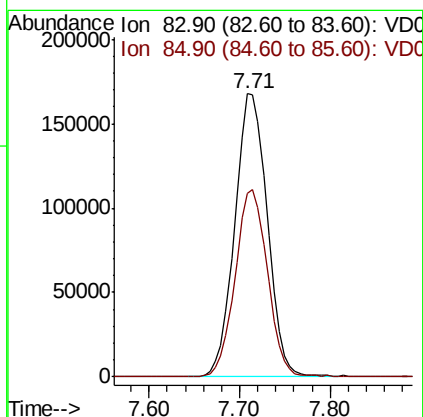
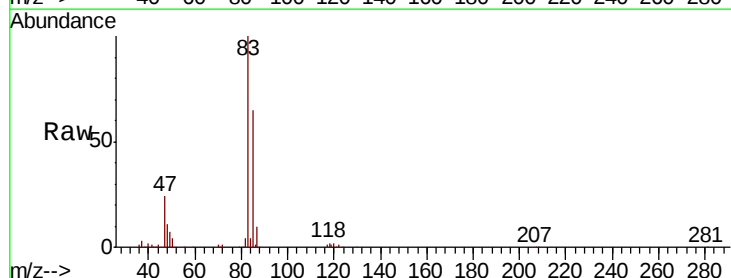
Instrument :
MSVOA_D
ClientSampled :

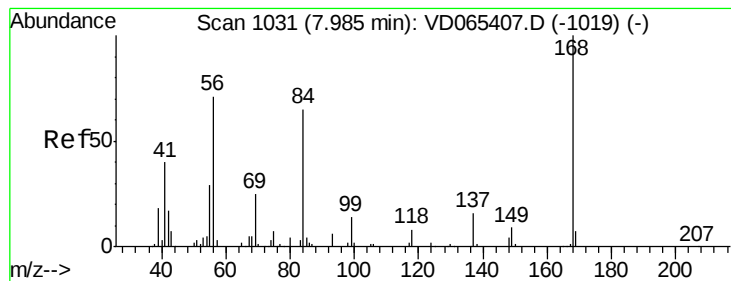
Tot Ion: 42 Resp: 186678
Ion Ratio Lower Upper
42 100
72 44.1 33.0 49.6
71 39.8 32.0 48.0



#30
Chloroform
Concen: 48.664 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

Tgt Ion: 83 Resp: 419495
Ion Ratio Lower Upper
83 100
85 64.9 50.3 75.5





#31

Cyclohexane

Concen: 45.801 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065413.D

Acq: 04 Mar 2020 16:05

Instrument :

MSVOA_D

ClientSampleId :

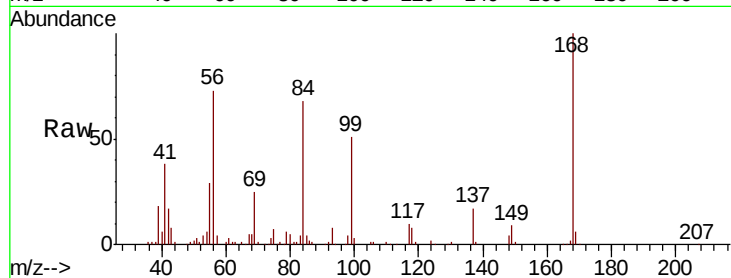
Tot Ion: 56 Resp: 394978

Ion Ratio Lower Upper

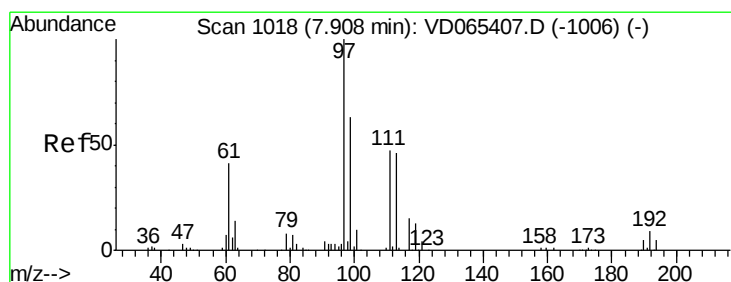
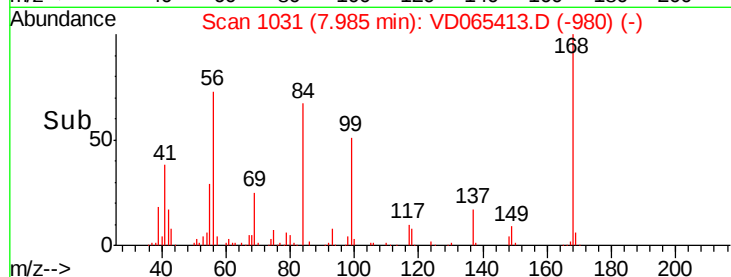
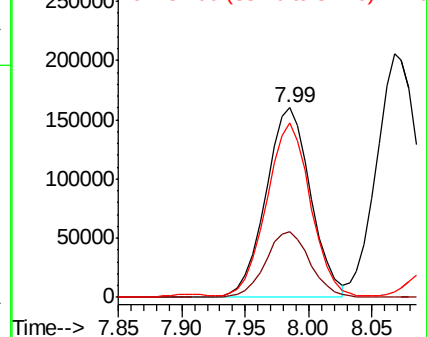
56 100

69 34.7 28.3 42.5

84 90.8 73.1 109.7



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



#32

1,1,1-Trichloroethane

Concen: 47.941 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065413.D

Acq: 04 Mar 2020 16:05

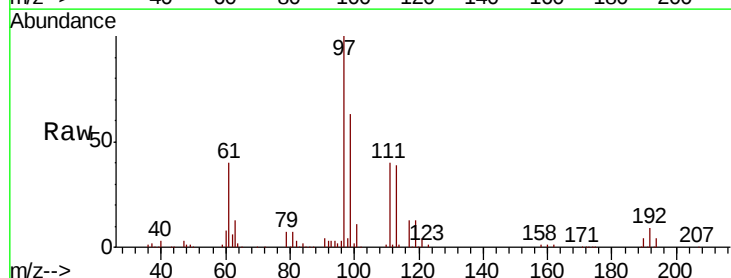
Tgt Ion: 97 Resp: 381911

Ion Ratio Lower Upper

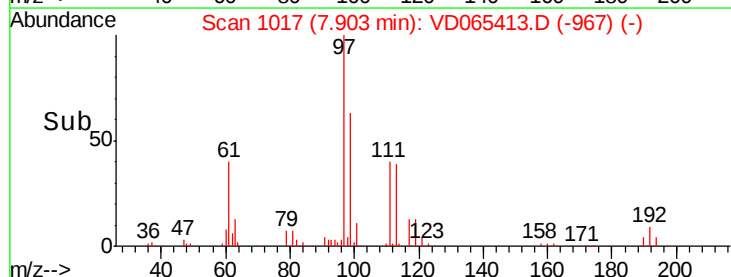
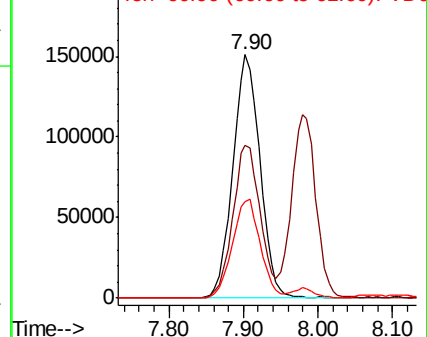
97 100

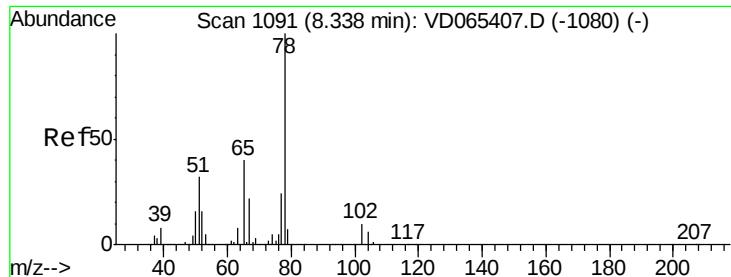
99 63.4 50.9 76.3

61 41.7 33.2 49.8



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

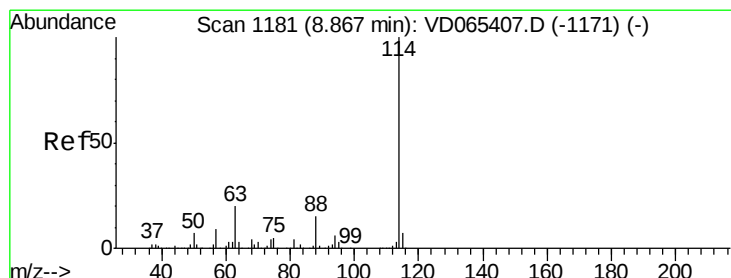
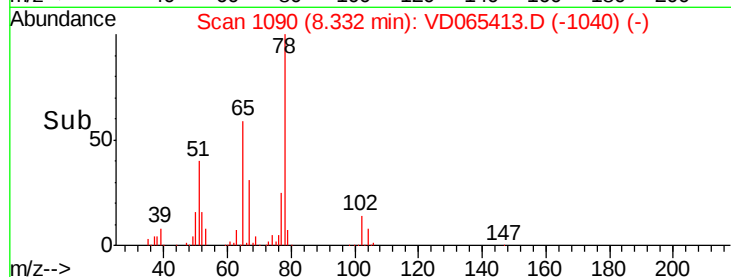
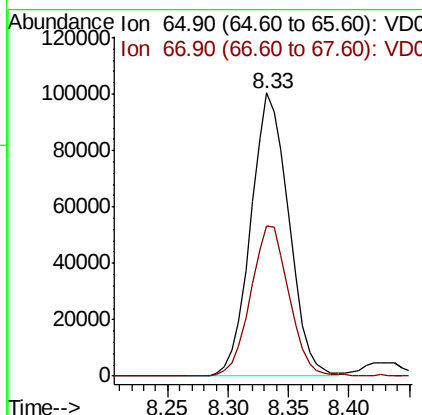
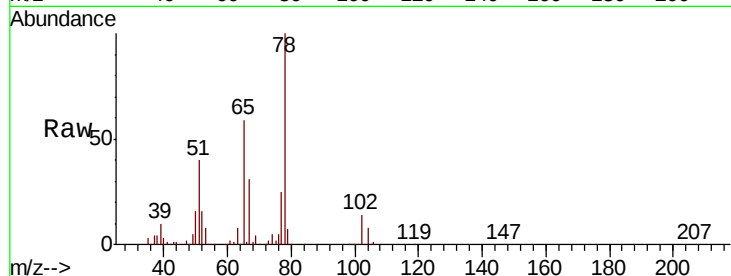




#33
 1,2-Dichloroethane-d4
 Concen: 50.361 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065413.D
 Acq: 04 Mar 2020 16:05

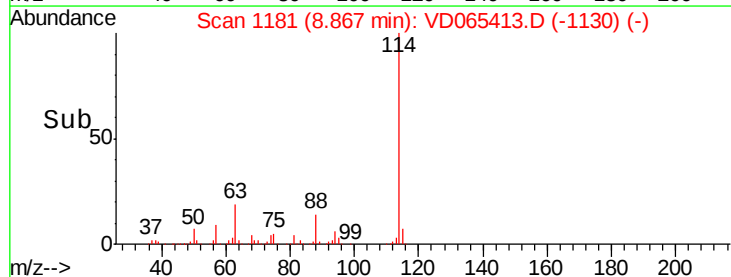
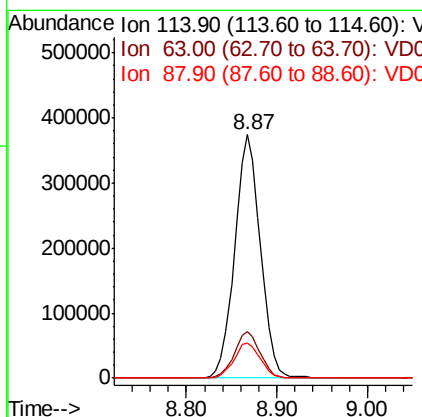
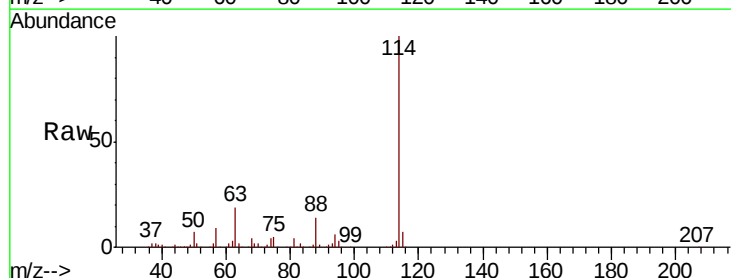
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 65 Resp: 218713
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 108.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065413.D
 Acq: 04 Mar 2020 16:05

Tgt Ion: 114 Resp: 736996
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 39.6
 88 14.3 0.0 30.4

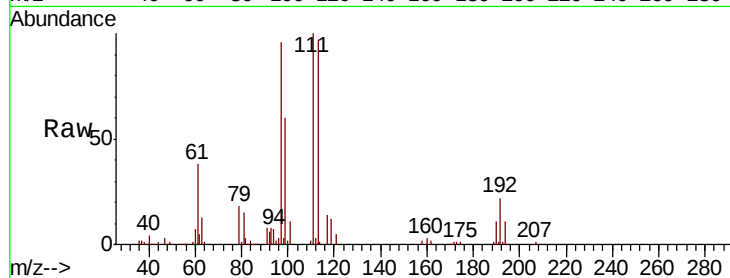




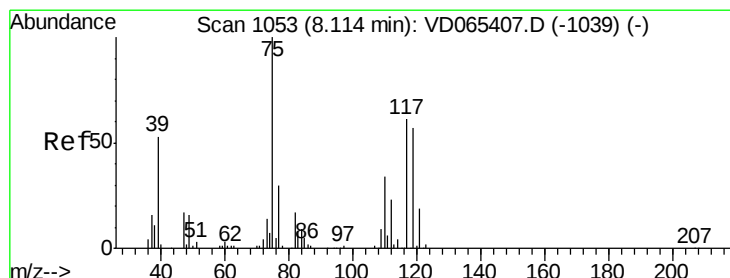
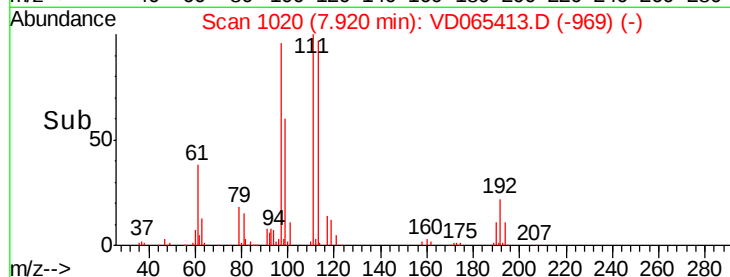
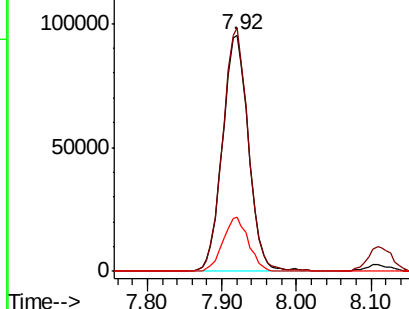
#35
Dibromofluoromethane
Concen: 50.942 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.2	82.1	123.1
192	22.4	17.2	25.8

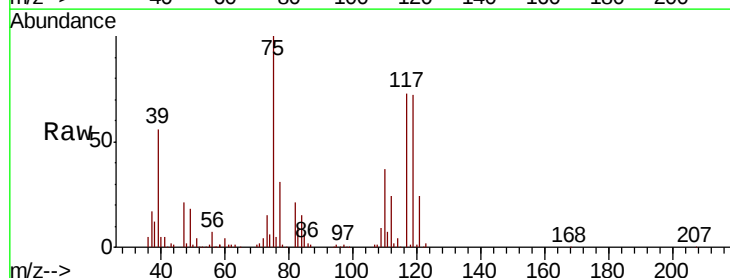


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

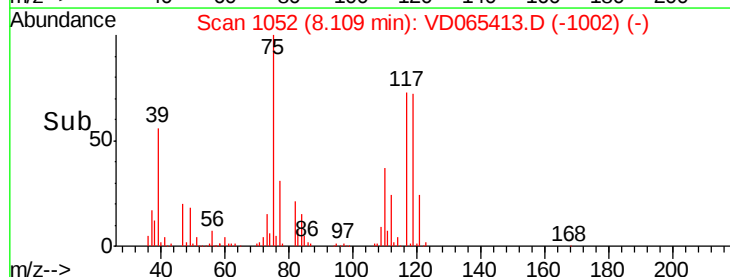
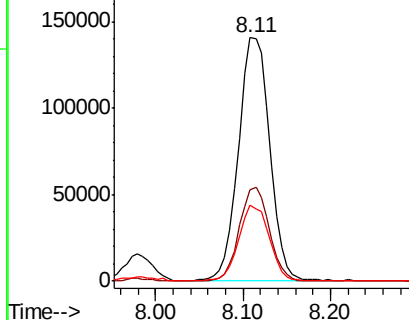


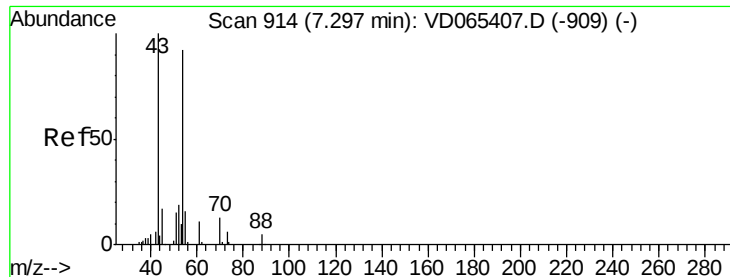
#36
1,1-Dichloropropene
Concen: 48.060 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.8	18.1	54.1
77	30.9	25.2	37.8



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

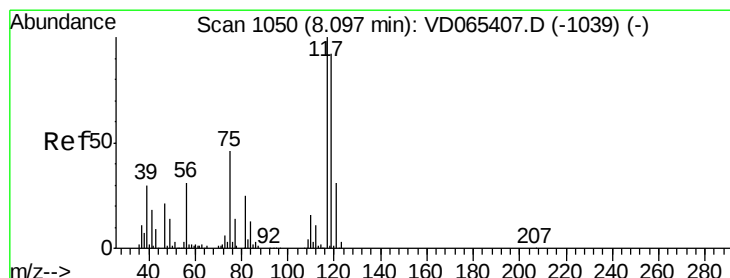
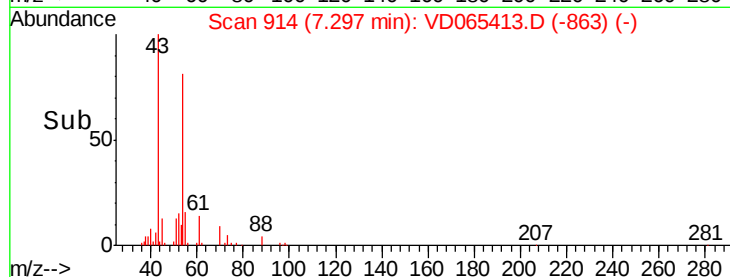
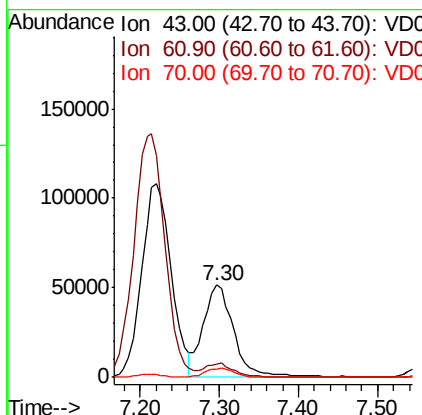
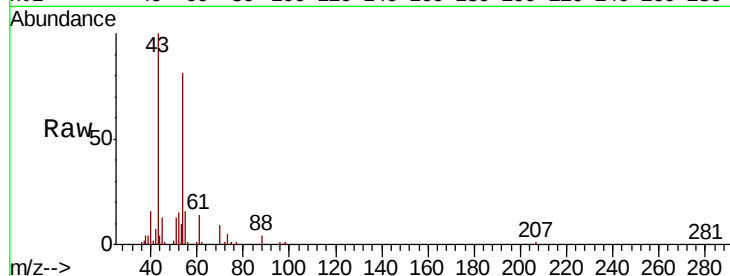




#37
Ethyl Acetate
Concen: 49.935 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

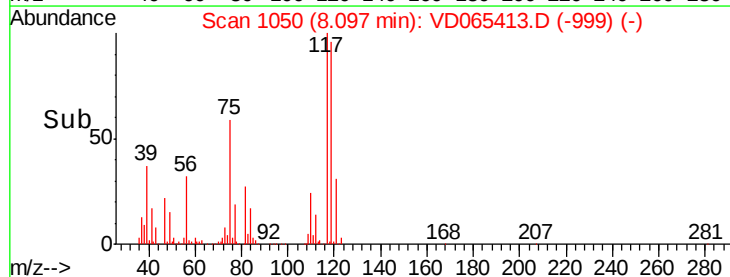
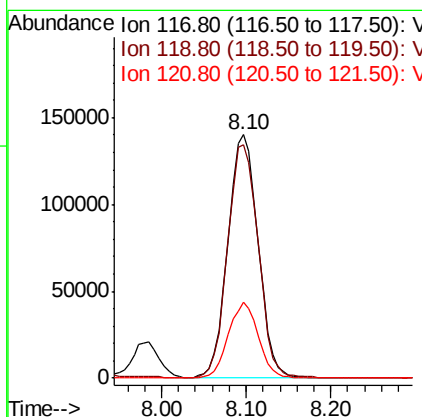
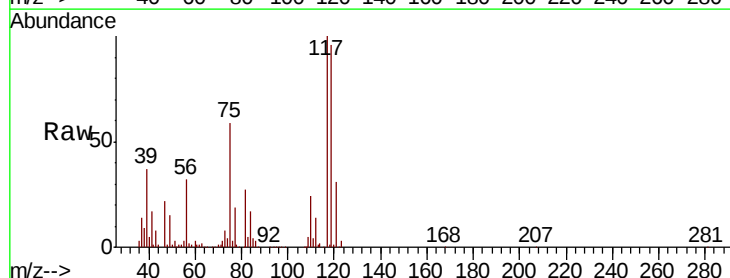
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 136350
Ion Ratio Lower Upper
43 100
61 14.3 11.4 17.0
70 9.7 9.0 13.4



#38
Carbon Tetrachloride
Concen: 47.030 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

Tgt Ion: 117 Resp: 344529
Ion Ratio Lower Upper
117 100
119 96.1 73.3 109.9
121 31.4 25.0 37.4

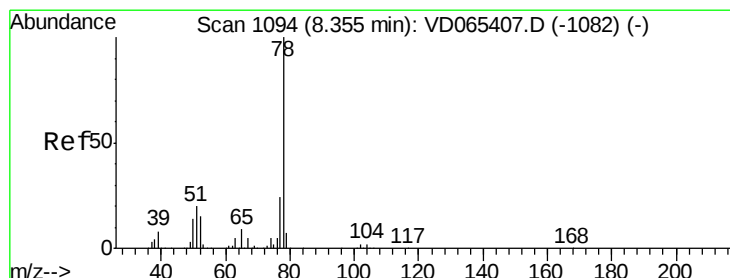
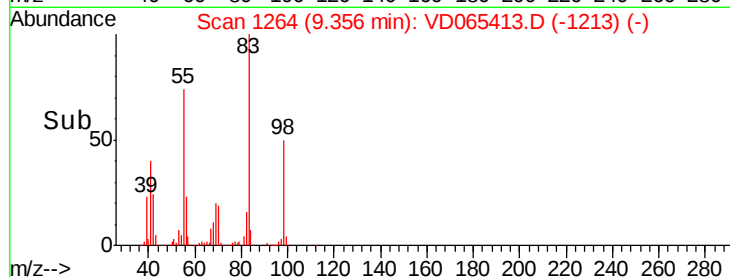
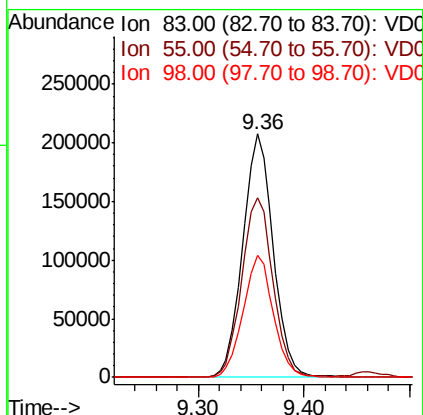
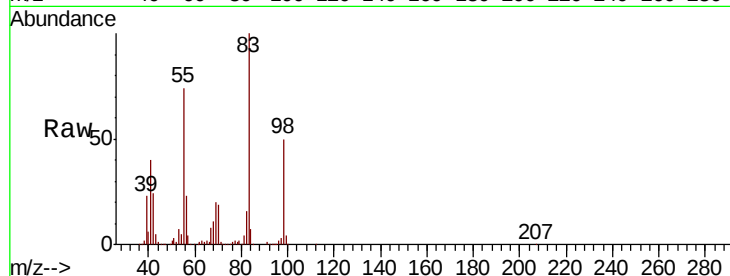




#39
Methvlcvclohexane
Concen: 48.785 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

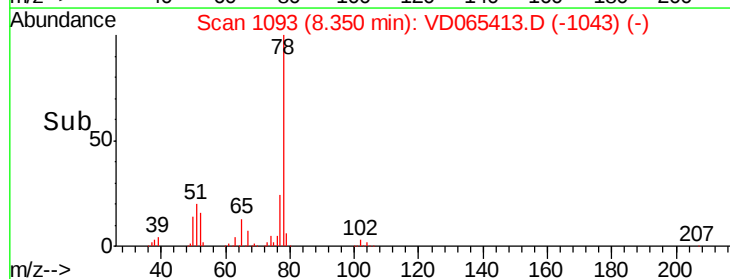
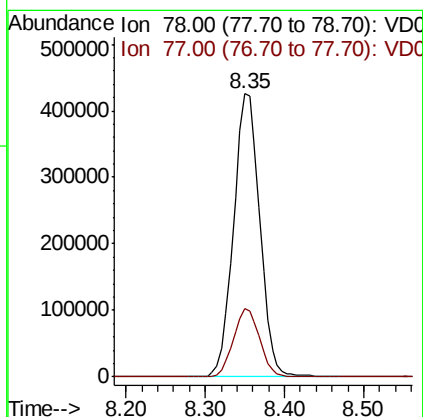
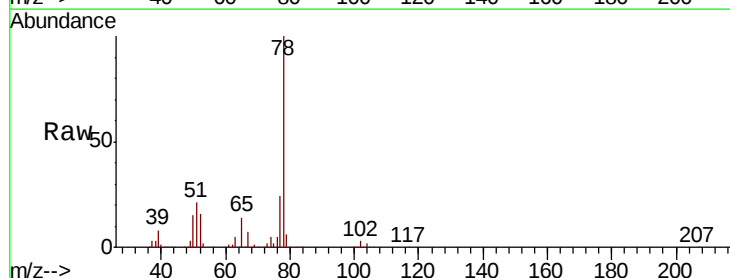
Instrument :
MSVOA_D
ClientSampled :

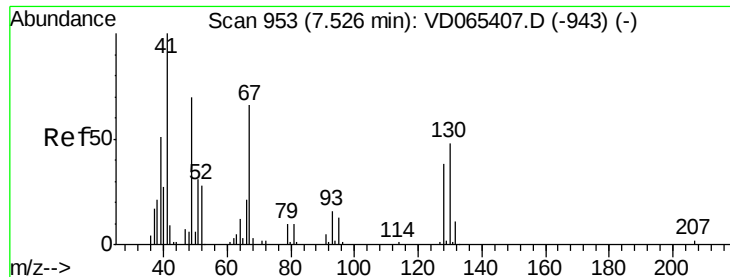
Tot Ion: 83 Resp: 416258
Ion Ratio Lower Upper
83 100
55 73.5 57.1 85.7
98 50.2 37.8 56.8



#40
Benzene
Concen: 49.427 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

Tgt Ion: 78 Resp: 976296
Ion Ratio Lower Upper
78 100
77 24.2 19.4 29.0

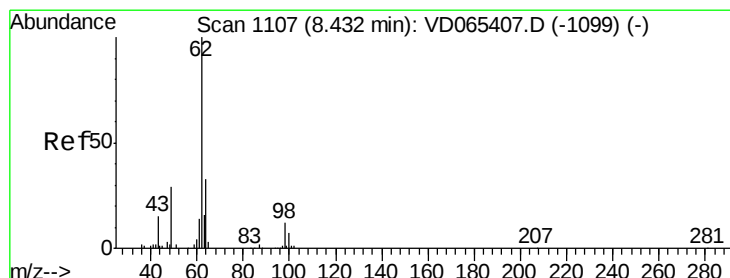
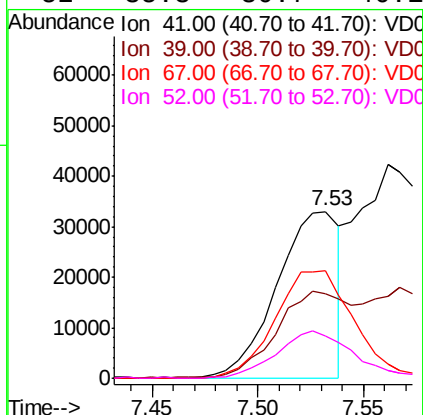
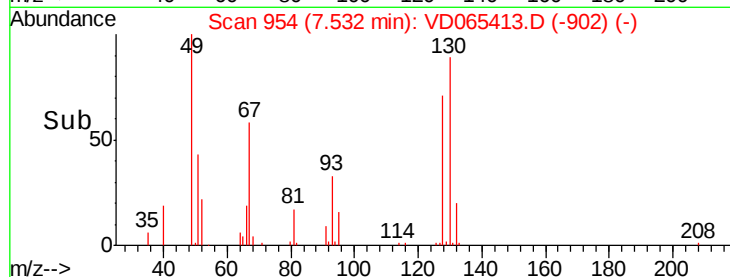
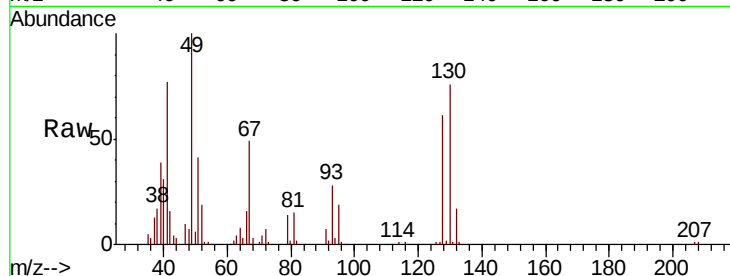




#41
Methacrylonitrile
Concen: 47.017 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

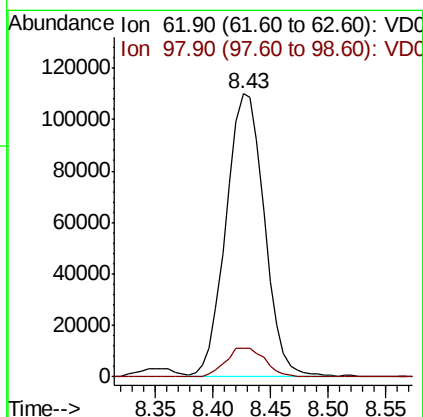
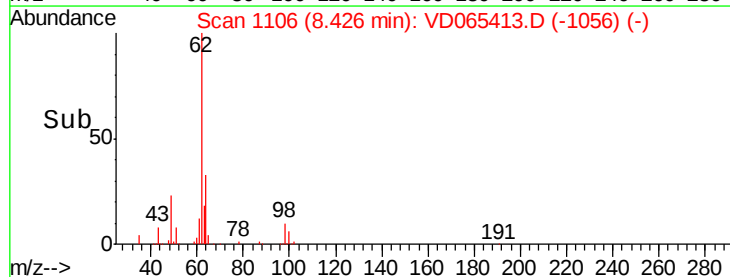
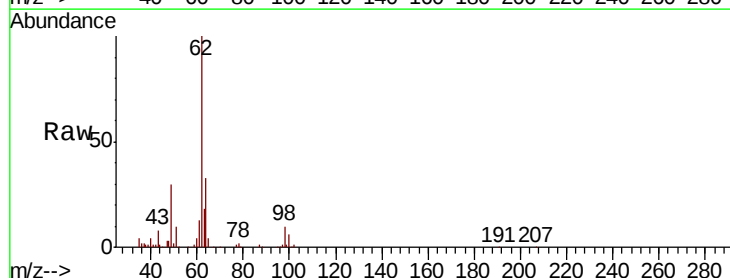
Instrument :
MSVOA_D
ClientSampleId :

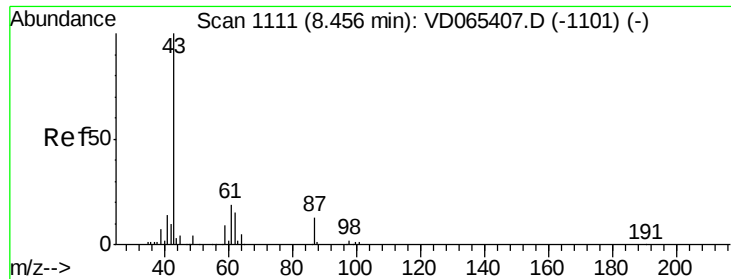
Tot Ion: 41 Resp: 67895
Ion Ratio Lower Upper
41 100
39 60.2 55.0 82.6
67 81.8 70.3 105.5
52 35.3 30.7 46.1



#42
1,2-Dichloroethane
Concen: 48.874 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

Tgt Ion: 62 Resp: 252084
Ion Ratio Lower Upper
62 100
98 10.5 0.0 21.4



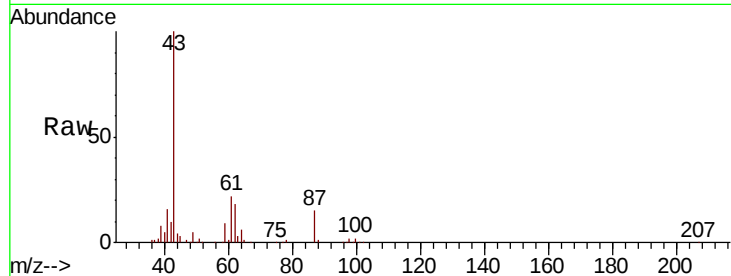


#43

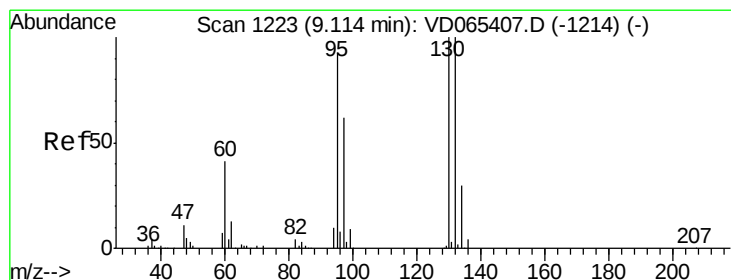
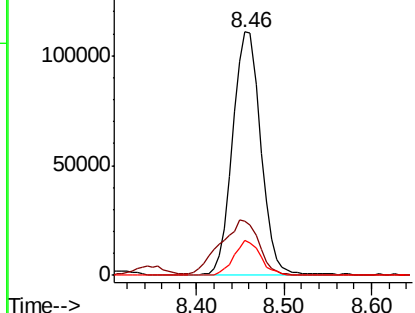
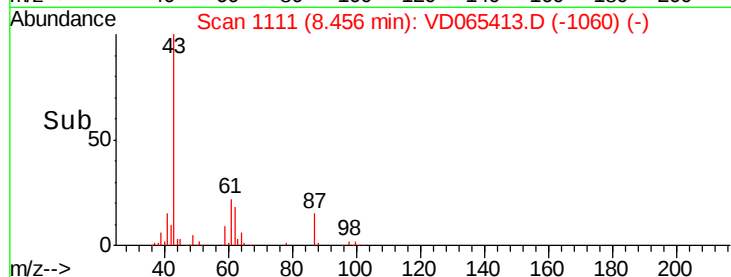
Isopropyl Acetate
 Concen: 48.049 ug/l
 RT: 8.46 min Scan# 1111
 Delta R.T. 0.00 min
 Lab File: VD065413.D
 Acq: 04 Mar 2020 16:05

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	43	Resp	242256
Ion Ratio	Lower	Upper	
43	100		
61	31.7	25.0	37.6
87	13.5	11.0	16.4



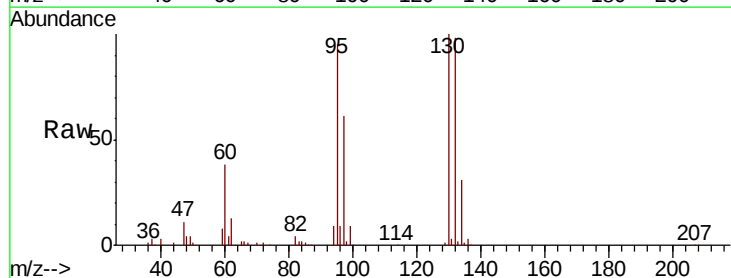
Abundance Ion 43.00 (42.70 to 43.70): VDC
 Ion 61.00 (60.70 to 61.70): VDC
 Ion 87.00 (86.70 to 87.70): VDC



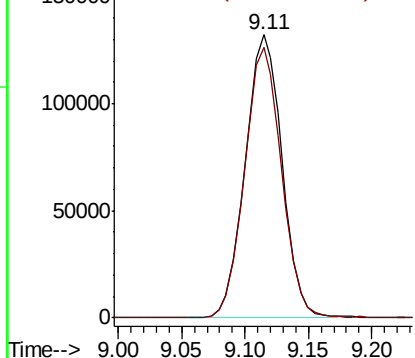
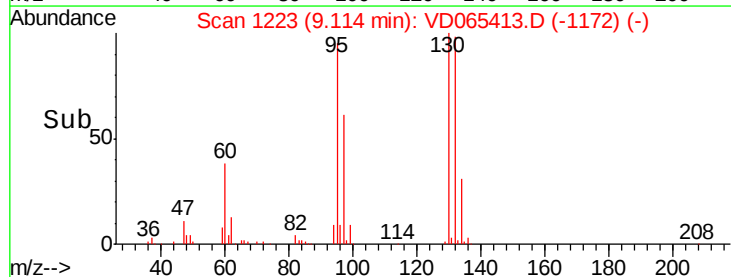
#44

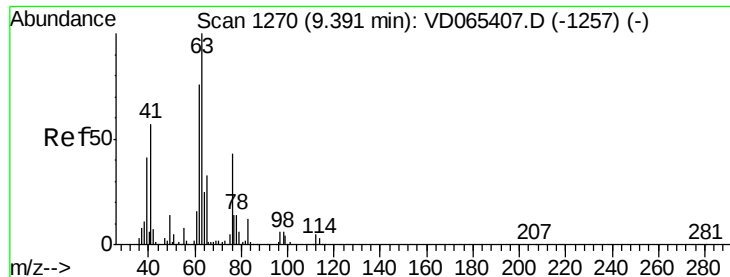
Trichloroethene
 Concen: 47.836 ug/l
 RT: 9.11 min Scan# 1223
 Delta R.T. 0.00 min
 Lab File: VD065413.D
 Acq: 04 Mar 2020 16:05

Tgt Ion	130	Resp	266838
Ion Ratio	Lower	Upper	
130	100		
95	95.5	0.0	186.0



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

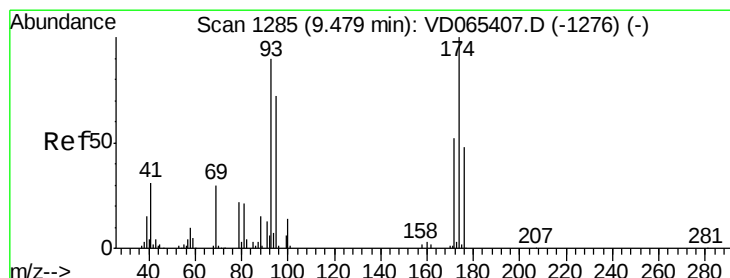
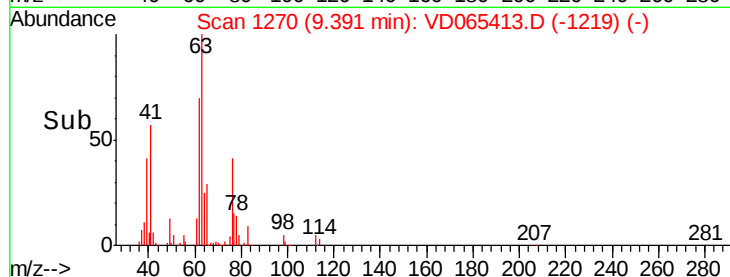
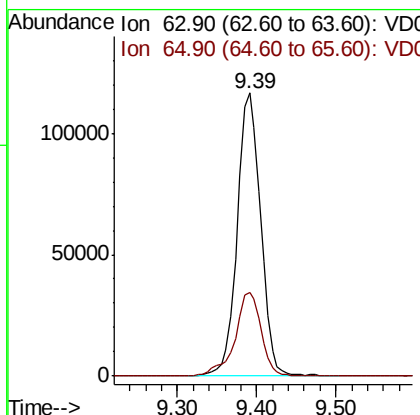
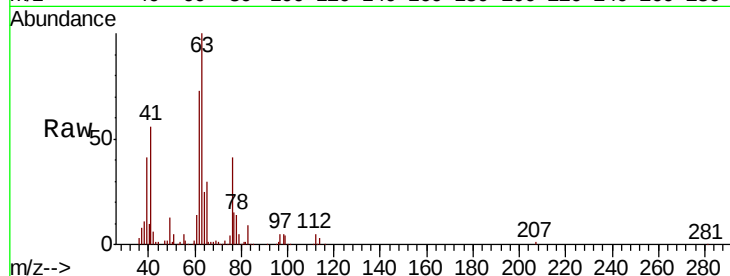




#45
 1,2-Dichloropropane
 Concen: 50.017 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065413.D
 Acq: 04 Mar 2020 16:05

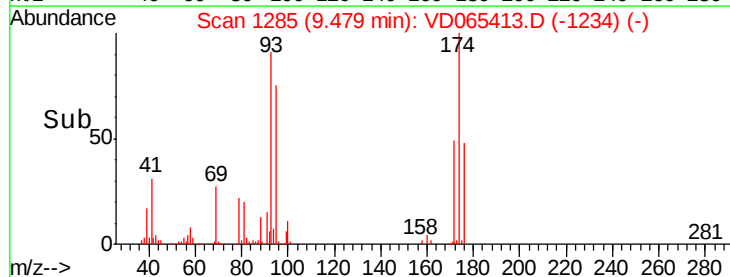
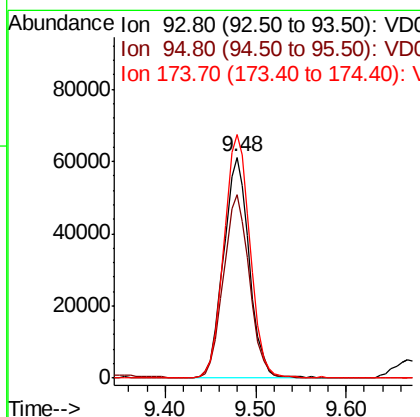
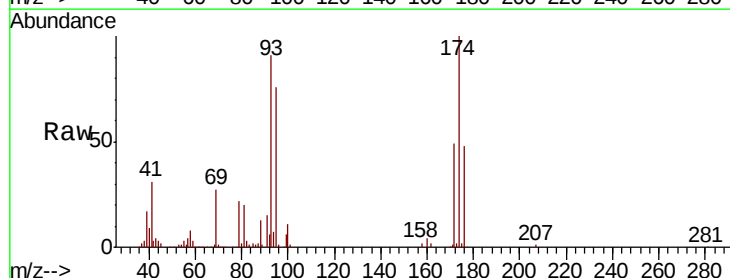
Instrument :
 MSVOA_D
 ClientSampleId :

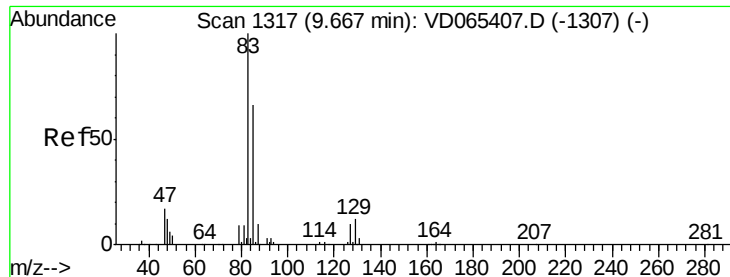
Tot Ion: 63 Resp: 239312
 Ion Ratio Lower Upper
 63 100
 65 29.6 26.4 39.6



#46
 Dibromomethane
 Concen: 48.499 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065413.D
 Acq: 04 Mar 2020 16:05

Tgt Ion: 93 Resp: 120366
 Ion Ratio Lower Upper
 93 100
 95 84.0 65.0 97.6
 174 112.0 88.3 132.5





#47

Bromodichloromethane

Concen: 49.354 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065413.D

Acq: 04 Mar 2020 16:05

Instrument :

MSVOA_D

ClientSampleId :

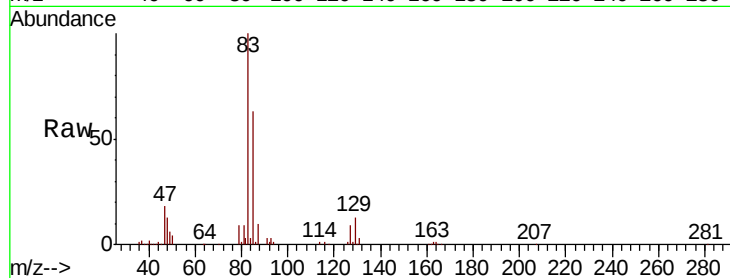
Tot Ion: 83 Resp: 318657

Ion Ratio Lower Upper

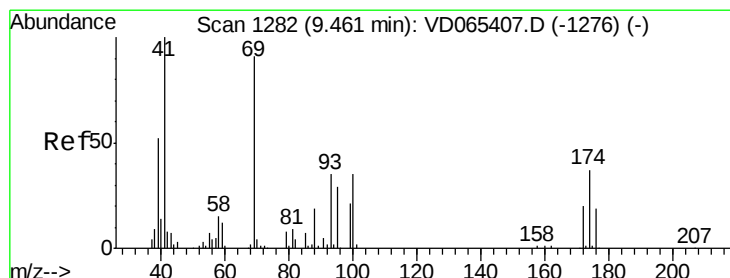
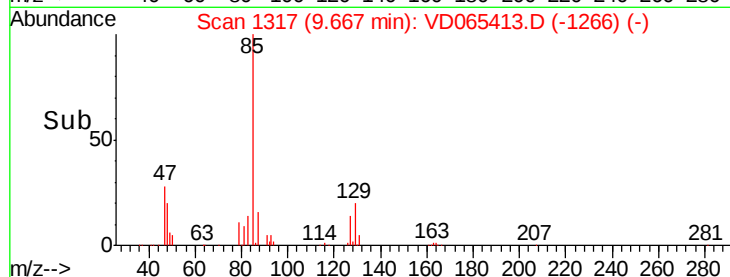
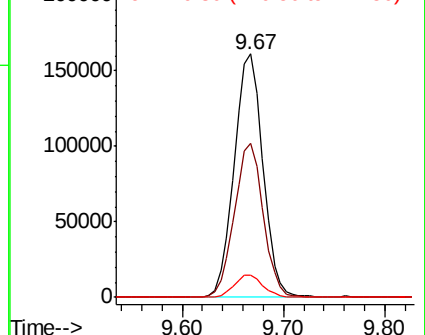
83 100

85 63.4 52.8 79.2

127 8.9 8.0 12.0



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: 49.510 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065413.D

Acq: 04 Mar 2020 16:05

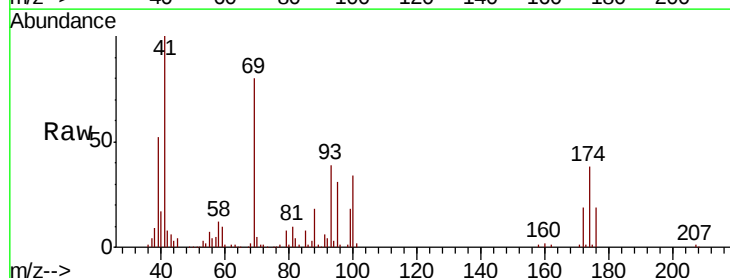
Tgt Ion: 41 Resp: 117419

Ion Ratio Lower Upper

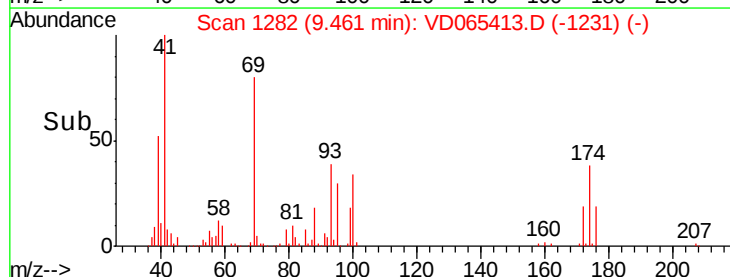
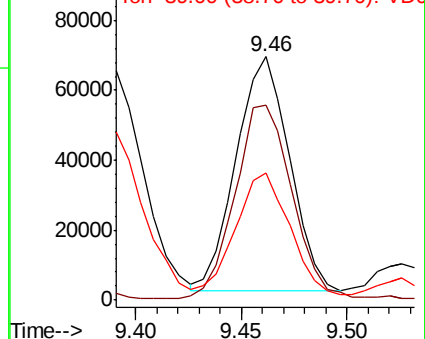
41 100

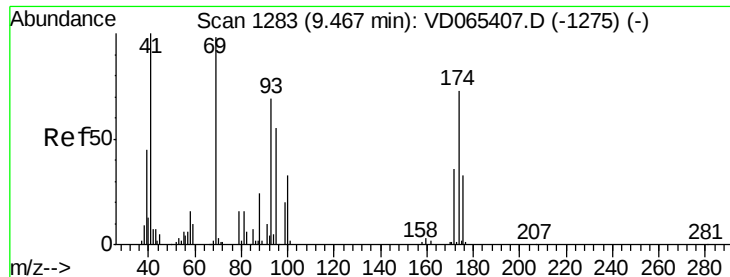
69 90.7 72.5 108.7

39 52.1 41.6 62.4



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

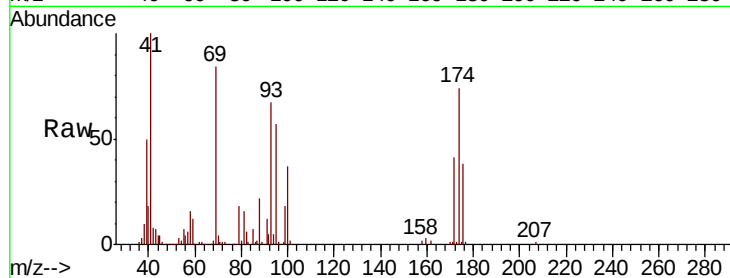




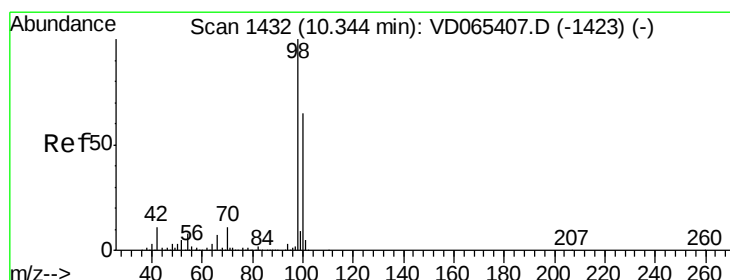
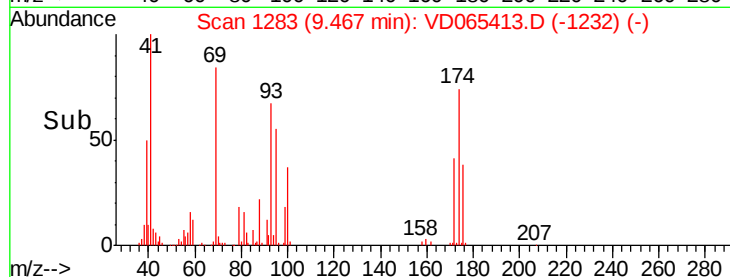
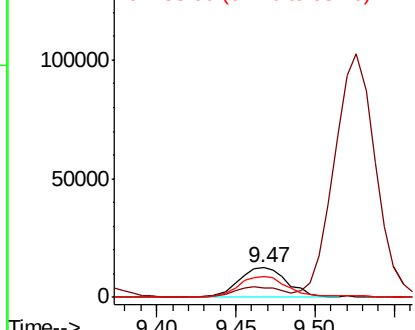
#49
1,4-Dioxane
Concen: 944.153 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 26803
Ion Ratio Lower Upper
88 100
43 34.1 24.5 36.7
58 70.6 54.5 81.7

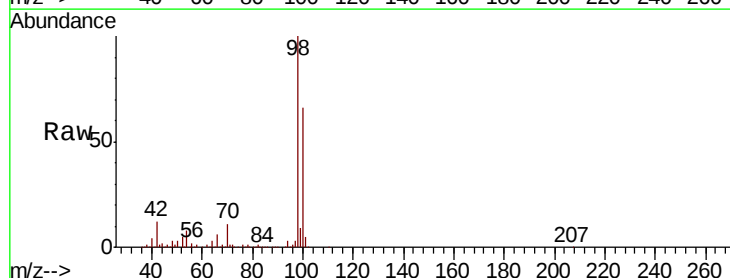


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

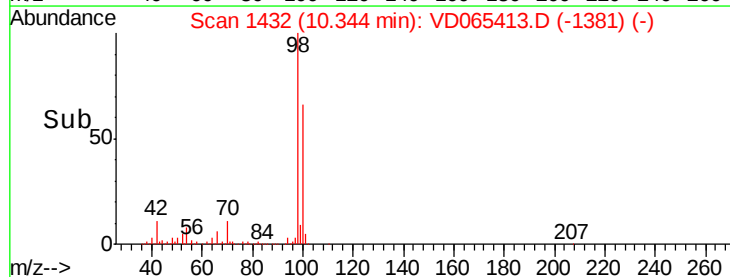
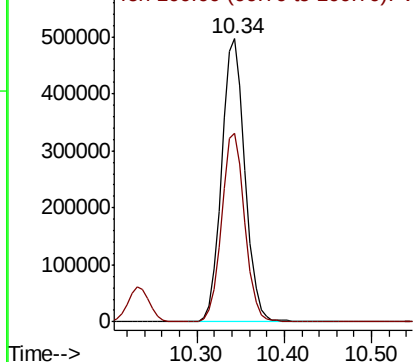


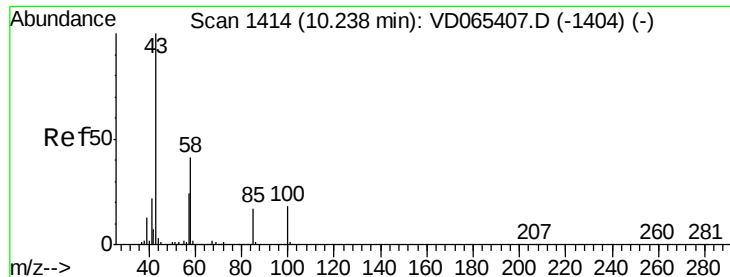
#50
Toluene-d8
Concen: 52.142 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

Tgt Ion: 98 Resp: 911686
Ion Ratio Lower Upper
98 100
100 65.8 52.8 79.2



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

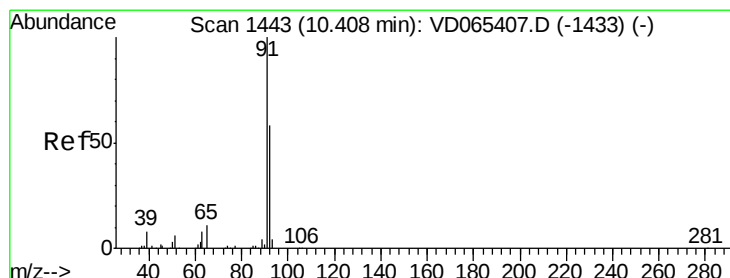
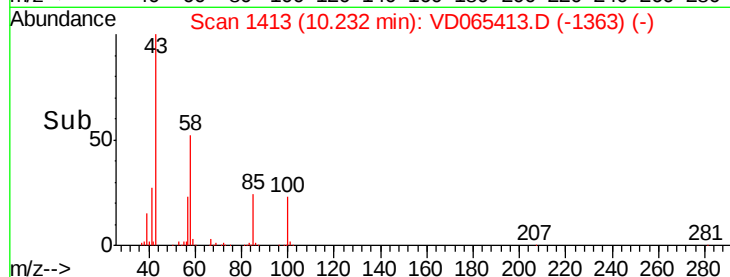
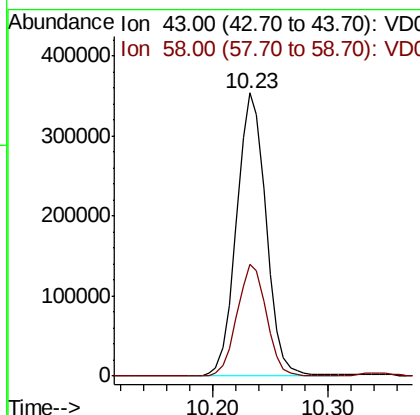
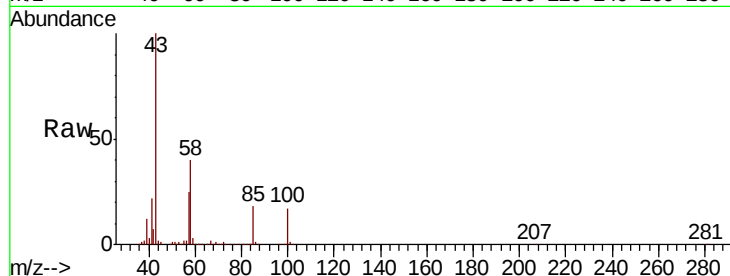




#51
 4-Methyl-2-Pentanone
 Concen: 247.640 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: VD065413.D
 Acq: 04 Mar 2020 16:05

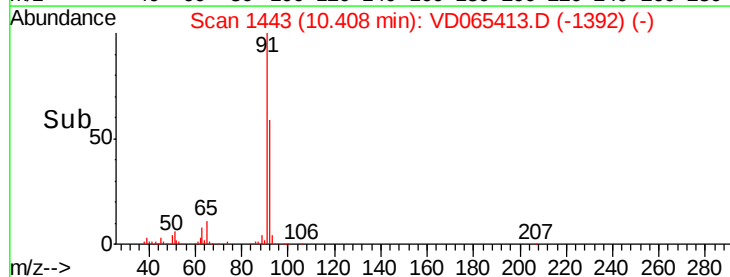
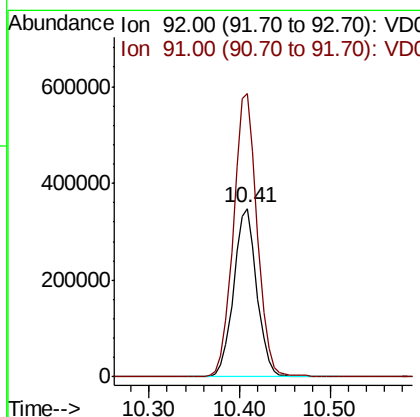
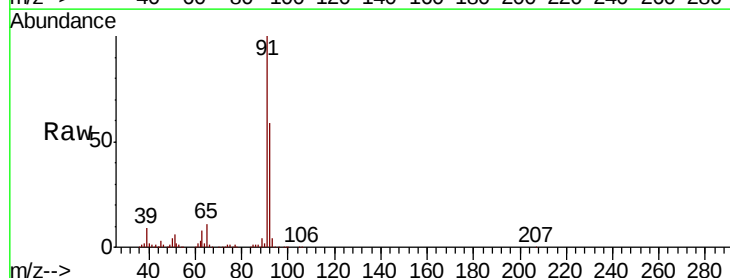
Instrument :
 MSVOA_D
 ClientSampleID :

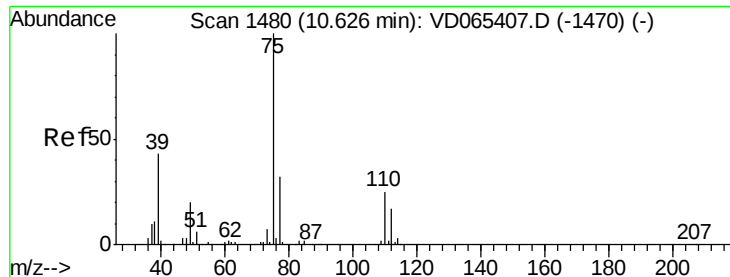
Tot Ion: 43 Resp: 628301
 Ion Ratio Lower Upper
 43 100
 58 39.5 31.8 47.6



#52
 Toluene
 Concen: 49.929 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD065413.D
 Acq: 04 Mar 2020 16:05

Tgt Ion: 92 Resp: 621285
 Ion Ratio Lower Upper
 92 100
 91 172.3 137.8 206.8





#53

t-1,3-Dichloropropene

Concen: 49.645 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065413.D

Acq: 04 Mar 2020 16:05

Instrument :

MSVOA_D

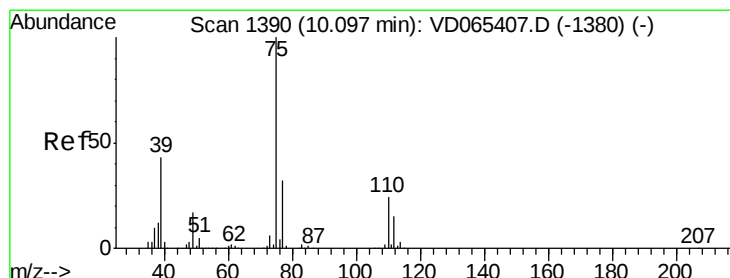
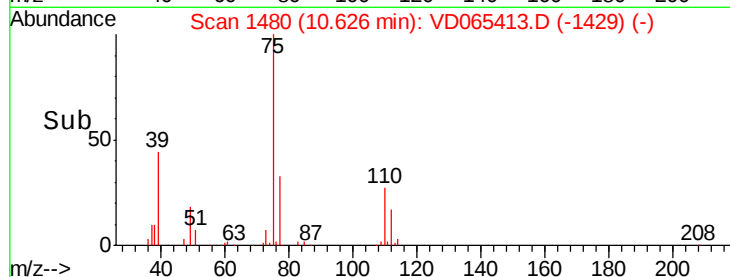
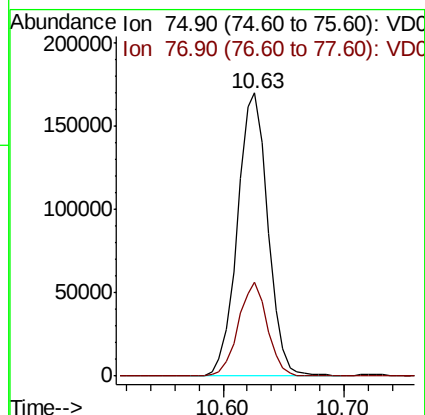
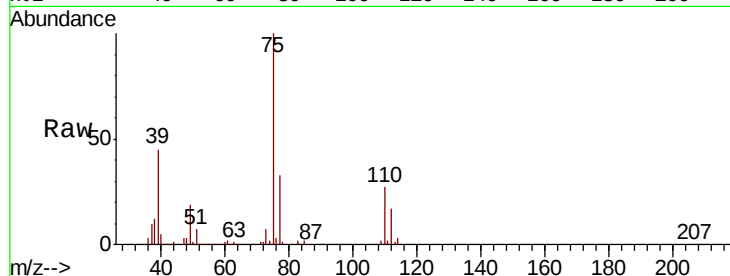
ClientSampleId :

Tot Ion: 75 Resp: 299545

Ion Ratio Lower Upper

75 100

77 33.3 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 50.842 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065413.D

Acq: 04 Mar 2020 16:05

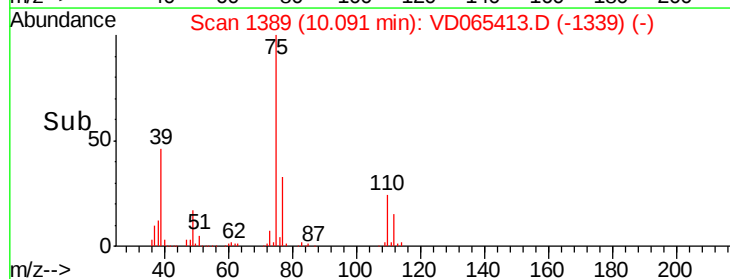
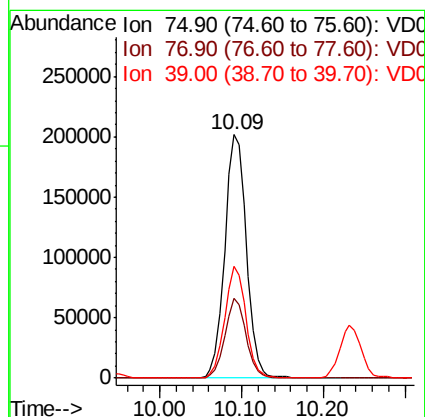
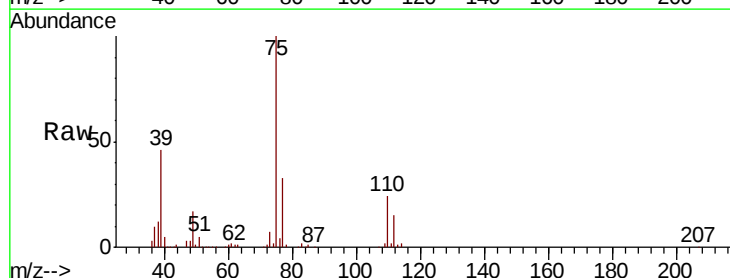
Tgt Ion: 75 Resp: 371318

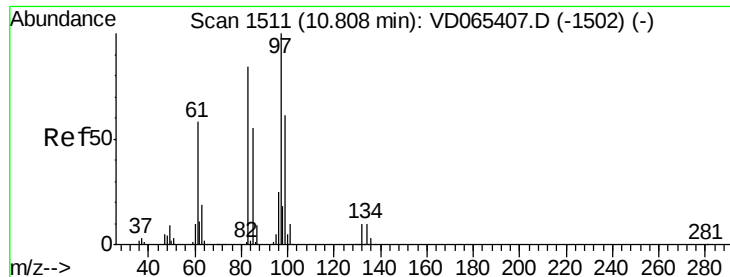
Ion Ratio Lower Upper

75 100

77 32.7 25.3 37.9

39 45.8 34.6 52.0

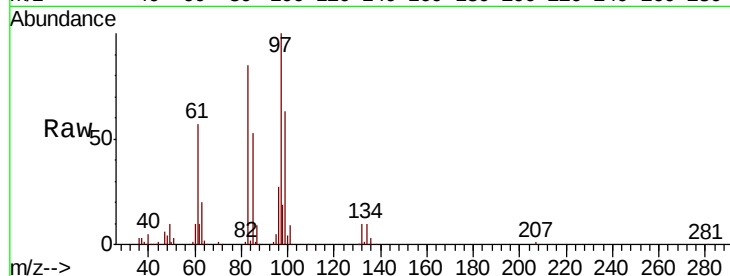




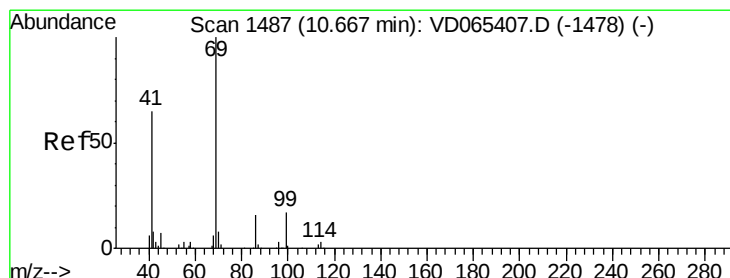
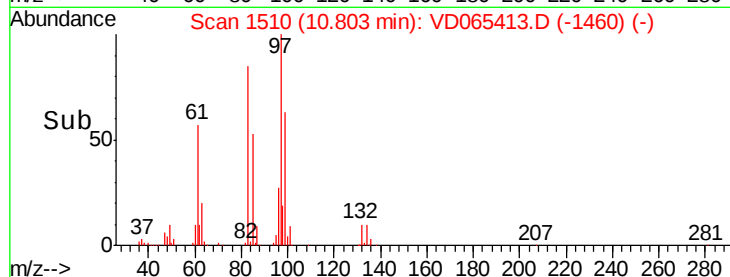
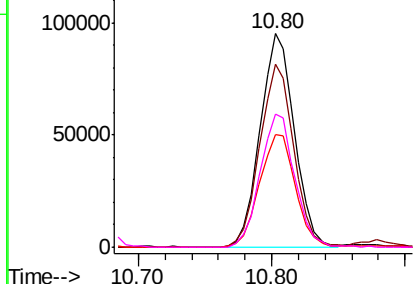
#55
 1,1,2-Trichloroethane
 Concen: 47.932 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065413.D
 Acq: 04 Mar 2020 16:05

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	168485
Ion	Ratio	Lower	Upper
97	100		
83	85.5	67.4	101.0
85	52.7	43.8	65.8
99	62.6	48.8	73.2

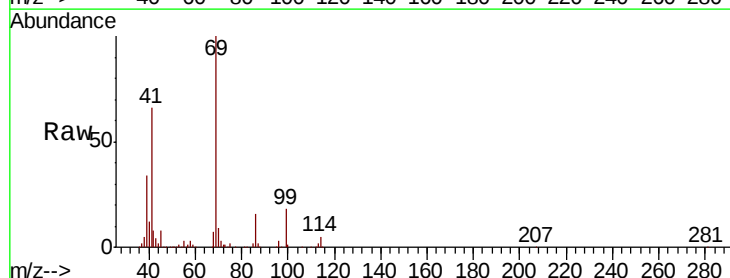


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

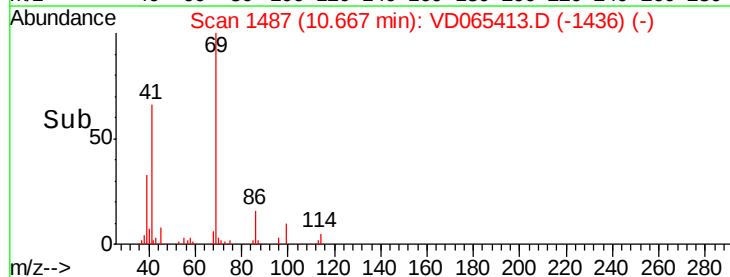
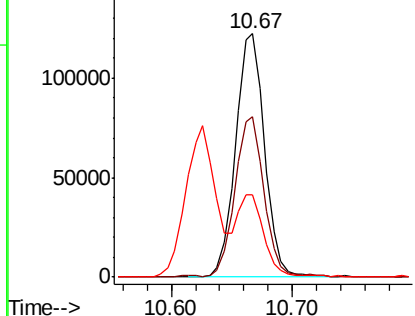


#56
 Ethyl methacrylate
 Concen: 51.723 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065413.D
 Acq: 04 Mar 2020 16:05

Tgt Ion:	69	Resp:	204963
Ion	Ratio	Lower	Upper
69	100		
41	67.1	53.0	79.6
39	30.3	26.0	39.0



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

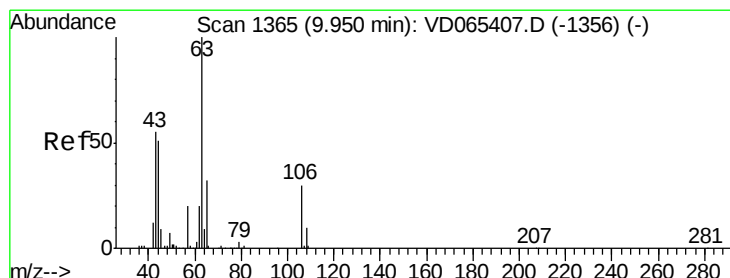
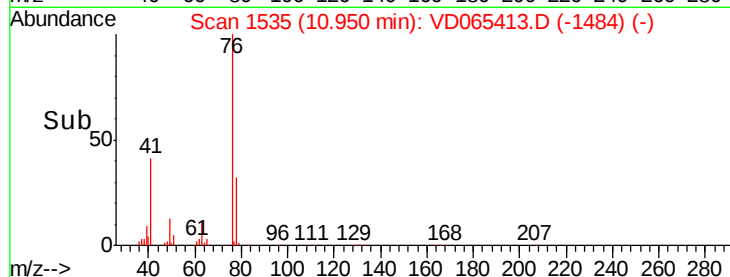
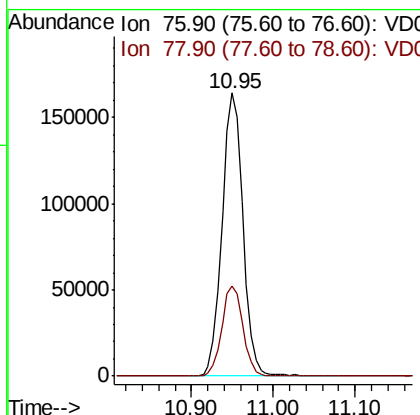
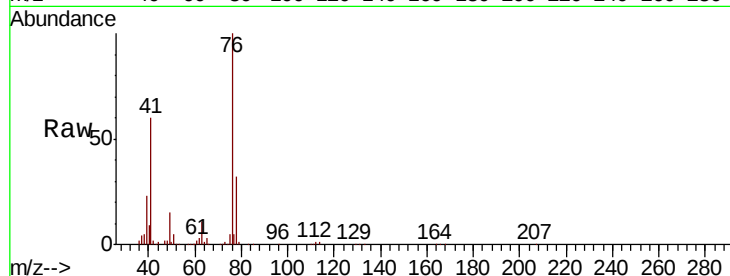




#57
 1,3-Dichloropropane
 Concen: 48.999 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065413.D
 Acq: 04 Mar 2020 16:05

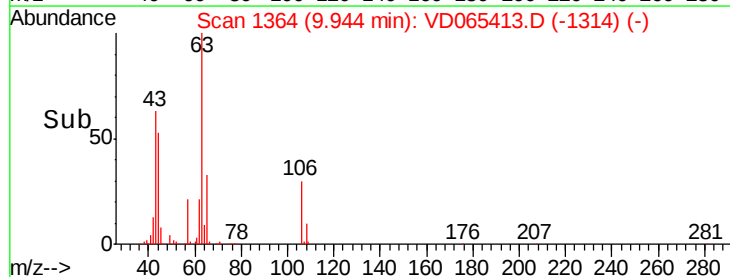
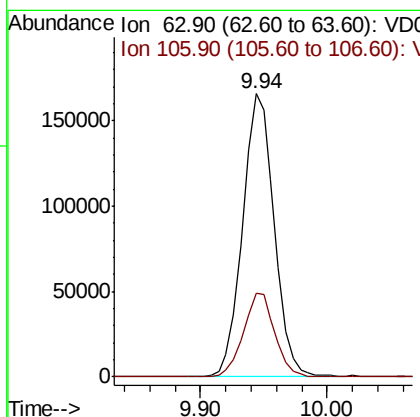
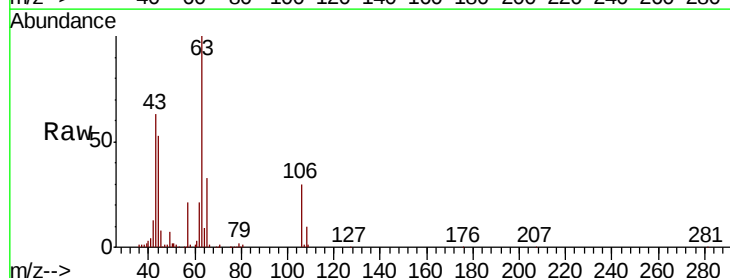
Instrument :
 MSVOA_D
 ClientSampleId :

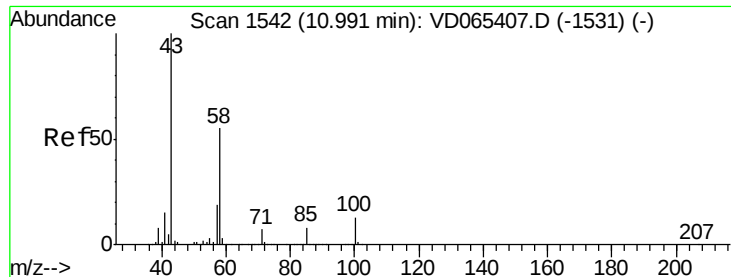
Tot Ion: 76 Resp: 291421
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 231.996 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD065413.D
 Acq: 04 Mar 2020 16:05

Tgt Ion: 63 Resp: 287136
 Ion Ratio Lower Upper
 63 100
 106 29.5 23.3 34.9

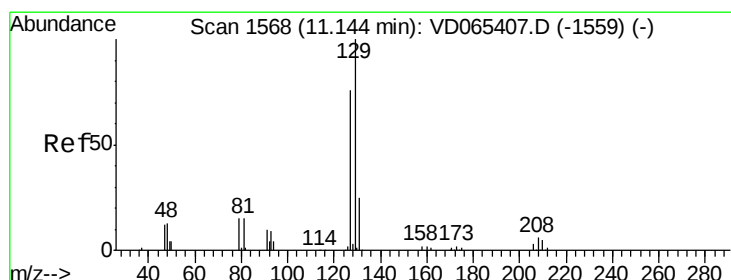
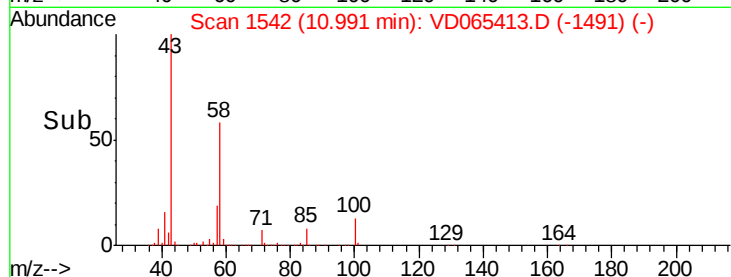
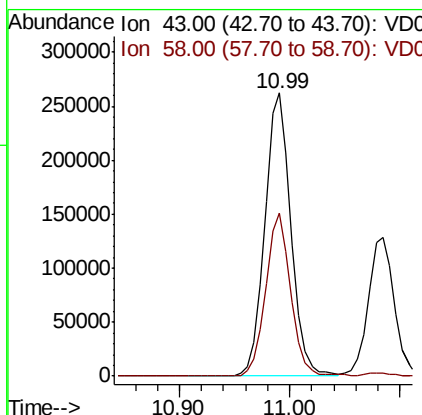
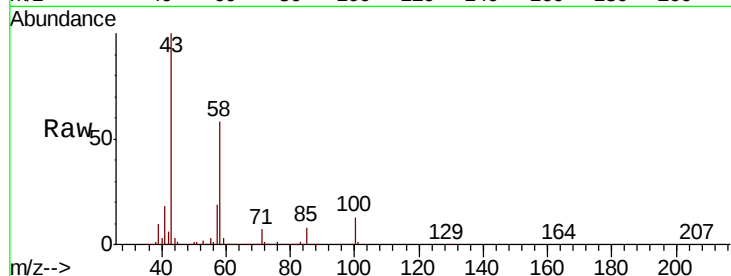




#59
2-Hexanone
Concen: 246.034 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

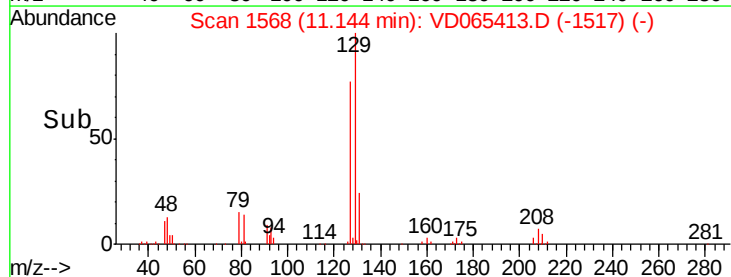
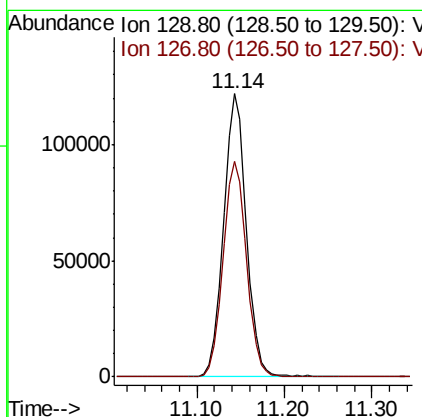
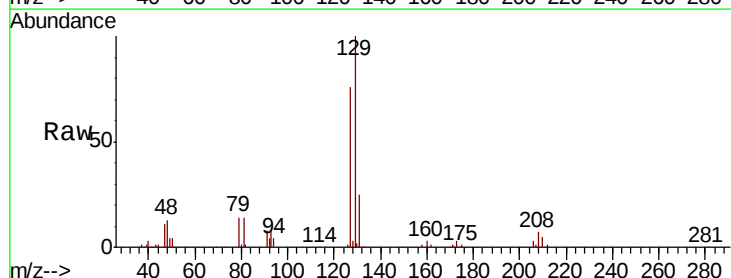
Instrument :
MSVOA_D
ClientSampleID :

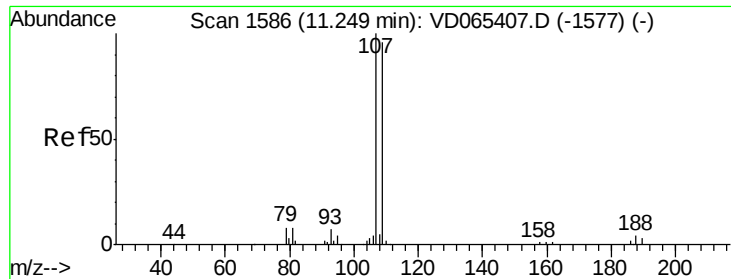
Tot Ion: 43 Resp: 432114
Ion Ratio Lower Upper
43 100
58 55.4 27.4 82.2



#60
Dibromochloromethane
Concen: 48.297 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

Tgt Ion: 129 Resp: 217617
Ion Ratio Lower Upper
129 100
127 78.8 38.5 115.5

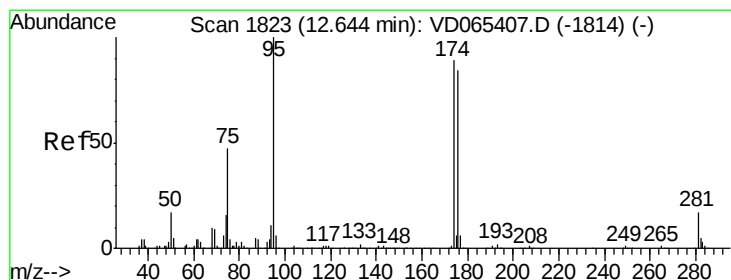
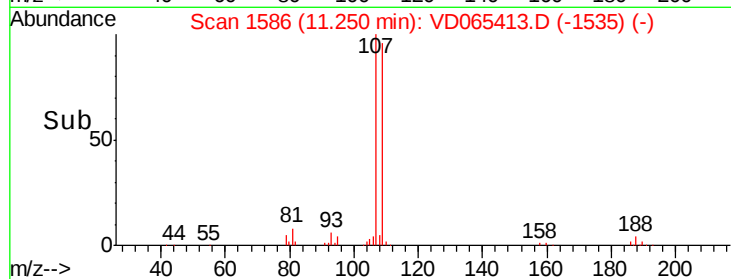
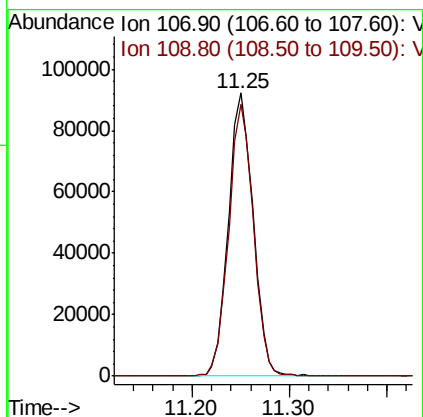
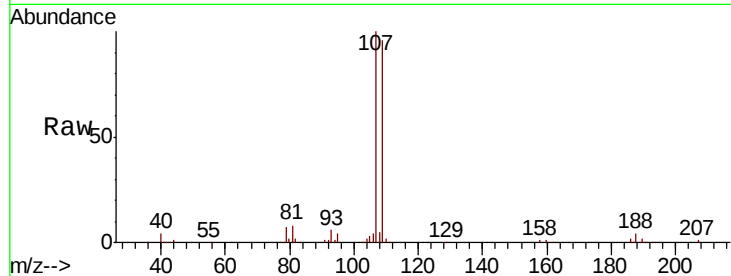




#61
 1,2-Dibromoethane
 Concen: 48.665 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065413.D
 Acq: 04 Mar 2020 16:05

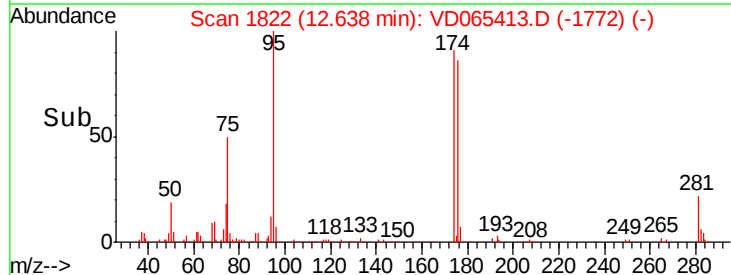
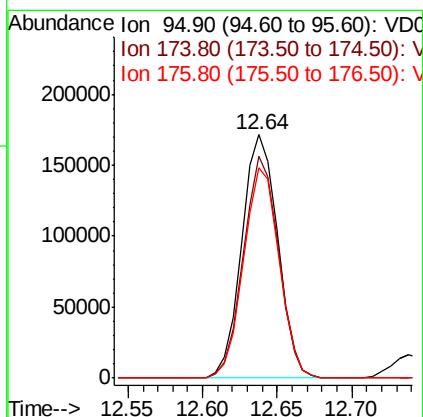
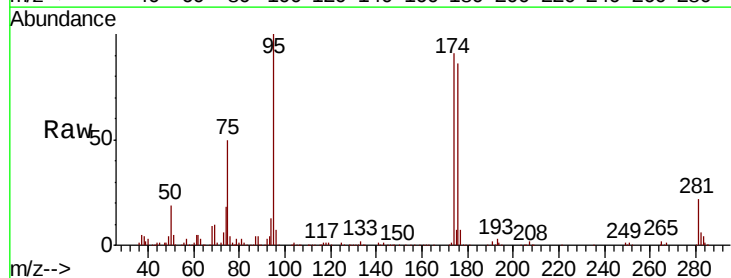
Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:107 Resp: 163166
 Ion Ratio Lower Upper
 107 100
 109 95.4 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 52.980 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: VD065413.D
 Acq: 04 Mar 2020 16:05

Tgt Ion: 95 Resp: 285971
 Ion Ratio Lower Upper
 95 100
 174 89.5 0.0 176.8
 176 85.7 0.0 171.4

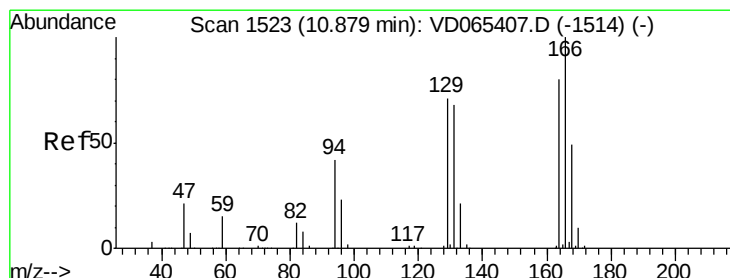
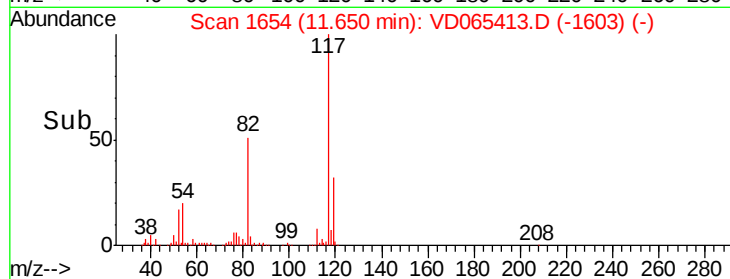
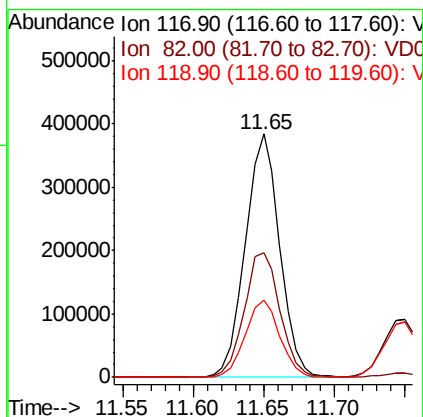
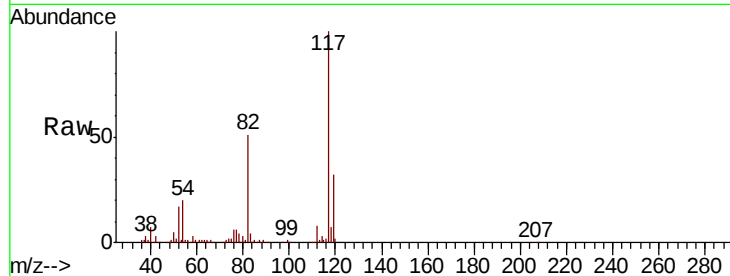




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

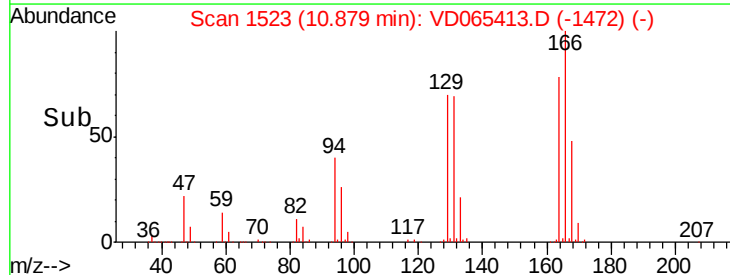
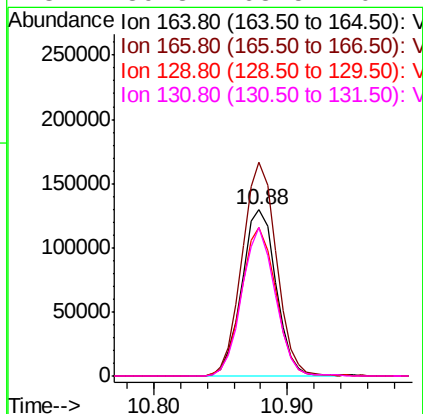
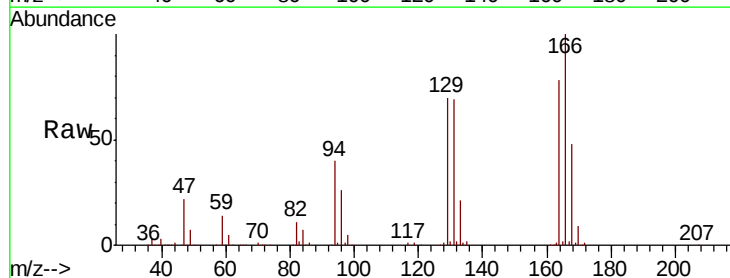
Instrument :
MSVOA_D
ClientSampled :

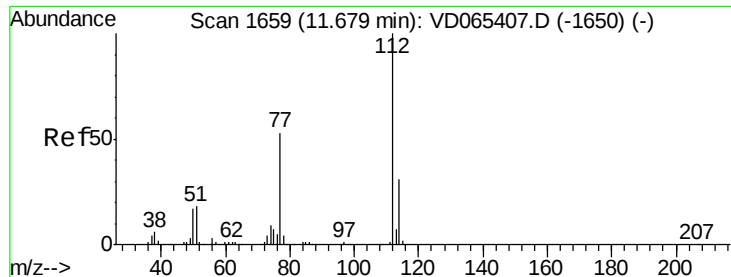
Tot Ion:117 Resp: 656290
Ion Ratio Lower Upper
117 100
82 51.2 40.6 60.8
119 31.7 25.4 38.2



#64
Tetrachloroethene
Concen: 48.897 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

Tgt Ion:164 Resp: 229949
Ion Ratio Lower Upper
164 100
166 128.7 100.5 150.7
129 89.5 71.5 107.3
131 89.3 68.5 102.7

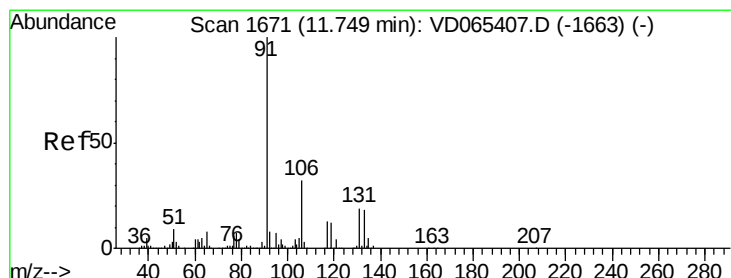
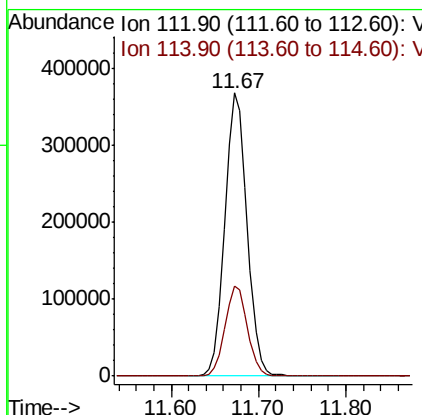
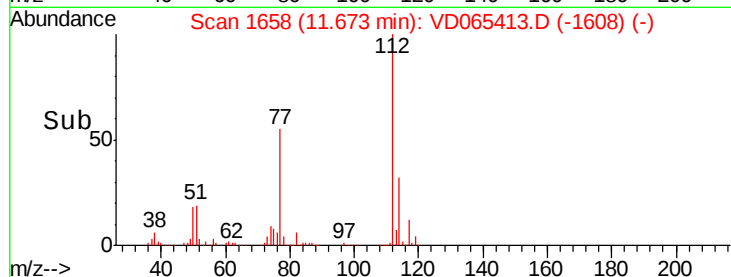
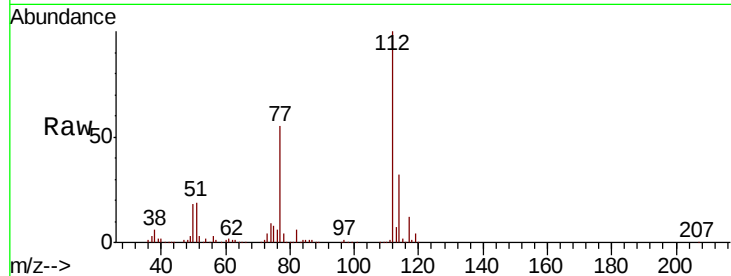




#65
Chlorobenzene
Concen: 49.569 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

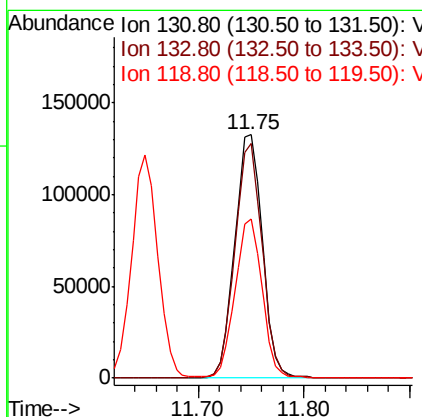
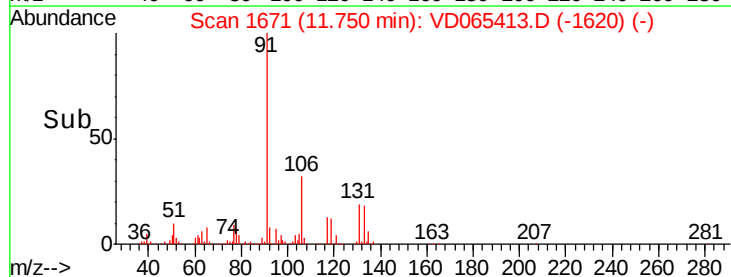
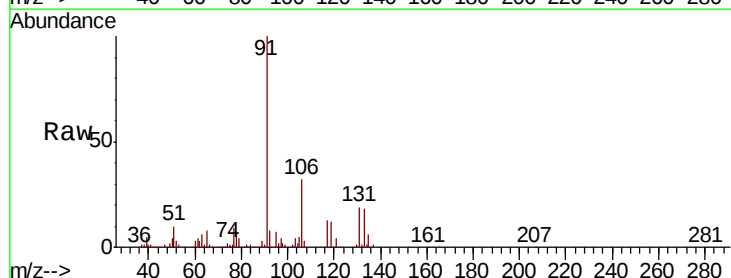
Instrument :
MSVOA_D
ClientSampled :

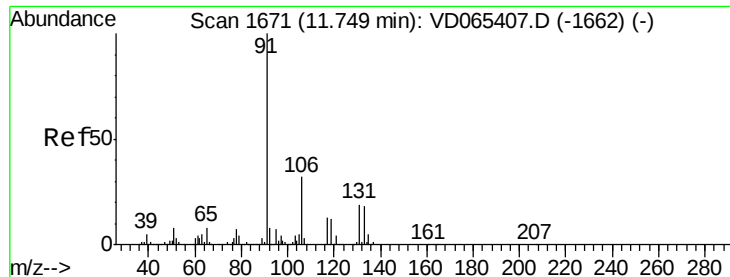
Tot Ion:112 Resp: 643773
Ion Ratio Lower Upper
112 100
114 31.8 24.4 36.6



#66
1,1,1,2-Tetrachloroethane
Concen: 50.545 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

Tgt Ion:131 Resp: 239075
Ion Ratio Lower Upper
131 100
133 95.1 49.2 147.6
119 64.6 33.3 99.8





#67

Ethyl Benzene

Concen: 51.083 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065413.D

Acq: 04 Mar 2020 16:05

Instrument :

MSVOA_D

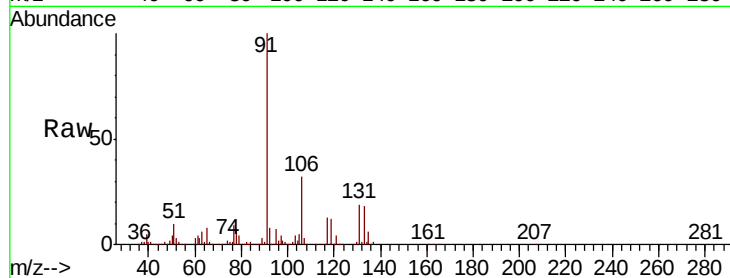
ClientSampleId :

Tot Ion: 91 Resp: 1146329

Ion Ratio Lower Upper

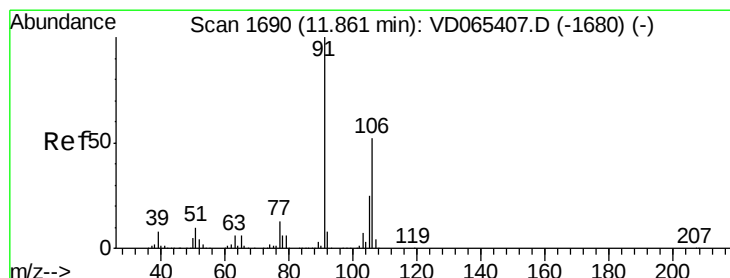
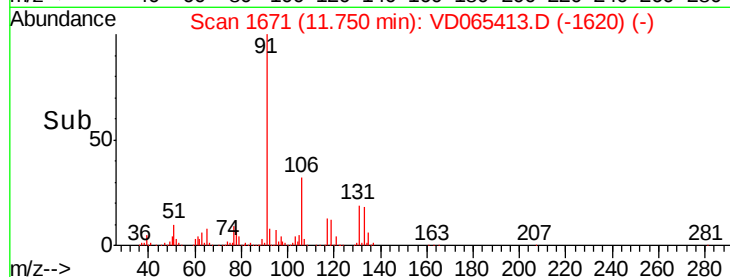
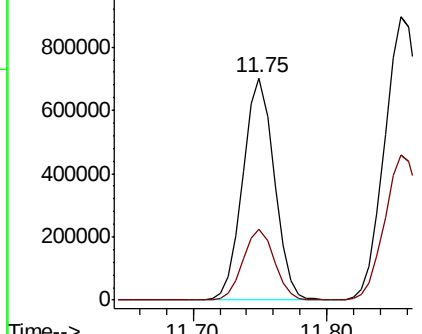
91 100

106 31.9 25.2 37.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 102.228 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD065413.D

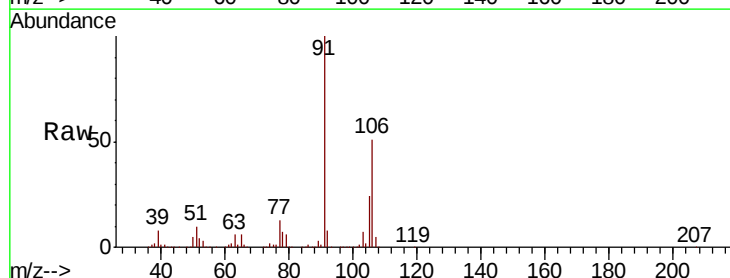
Acq: 04 Mar 2020 16:05

Tgt Ion: 106 Resp: 884558

Ion Ratio Lower Upper

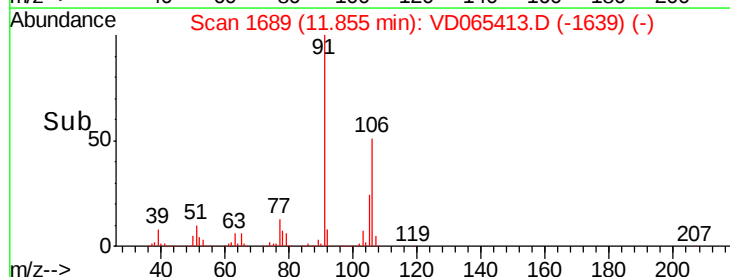
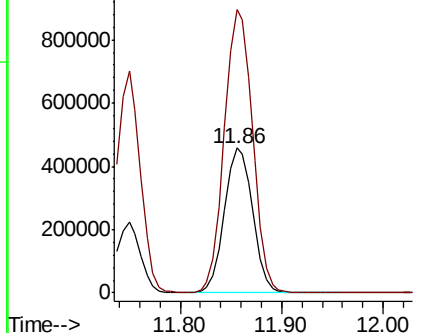
106 100

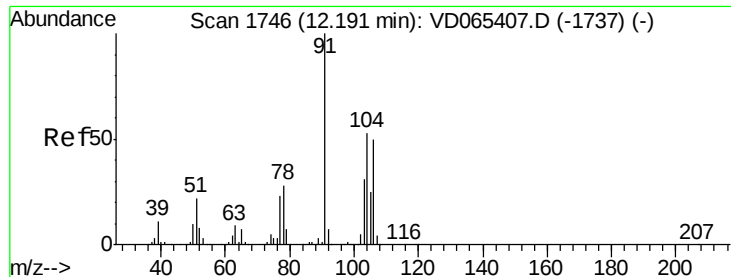
91 196.2 155.9 233.9



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

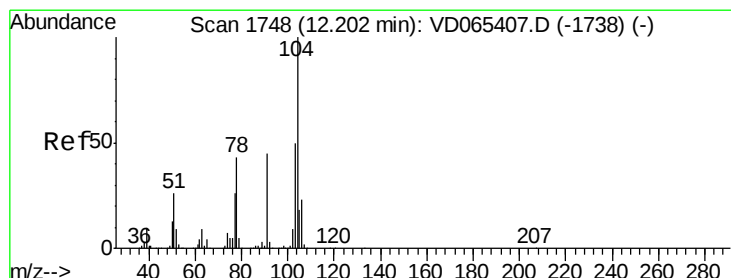
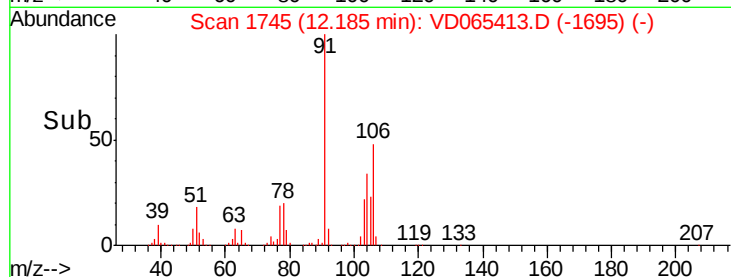
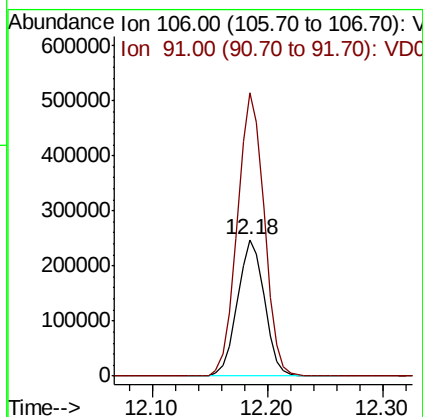
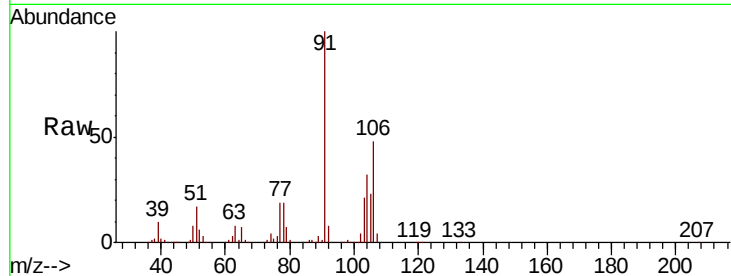




#69
o-Xylene
Concen: 52.496 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

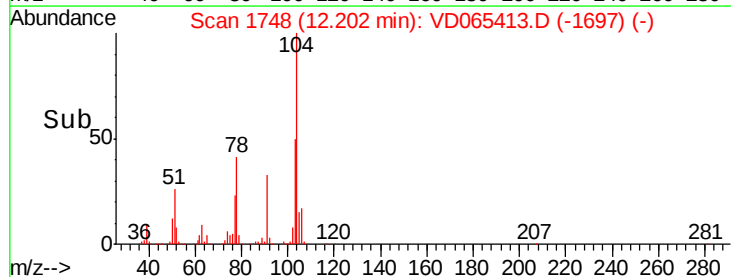
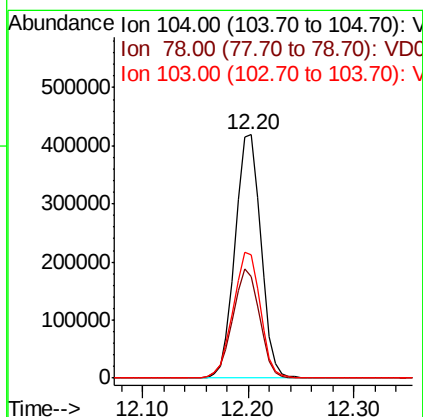
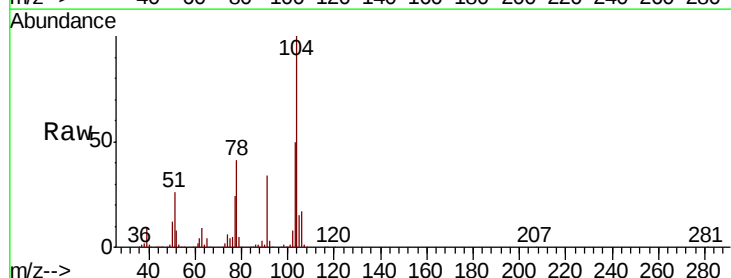
Instrument :
MSVOA_D
ClientSampled :

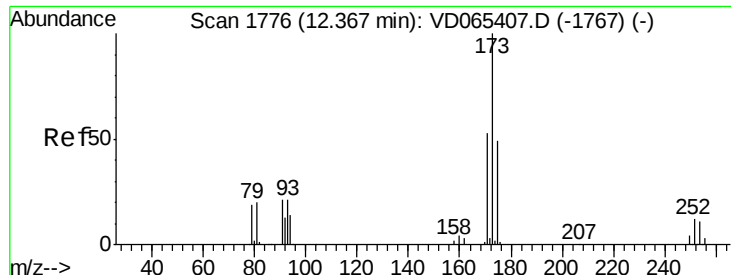
Tot Ion:106 Resp: 399566
Ion Ratio Lower Upper
106 100
91 207.9 103.5 310.3



#70
Styrene
Concen: 52.777 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

Tgt Ion:104 Resp: 706973
Ion Ratio Lower Upper
104 100
78 46.6 37.7 56.5
103 54.6 43.6 65.4

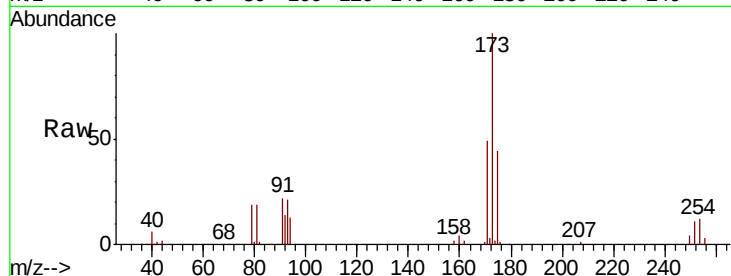




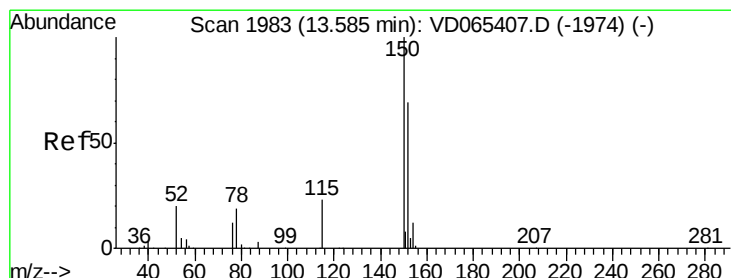
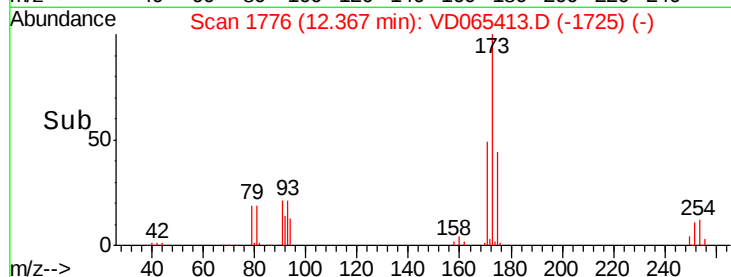
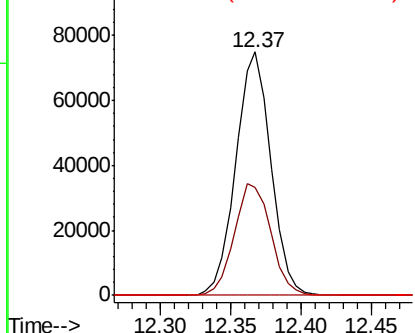
#71
Bromoform
Concen: 48.889 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 129890
Ion Ratio Lower Upper
173 100
175 48.0 24.3 73.0
254 0.2 0.1 0.1#

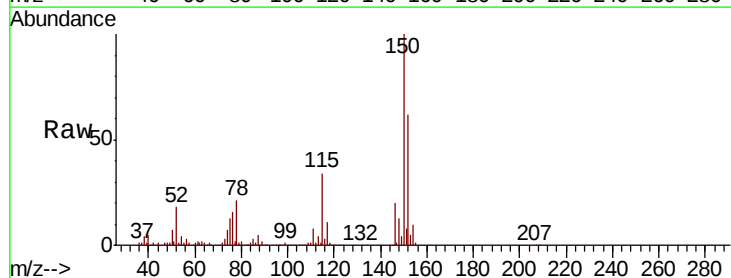


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

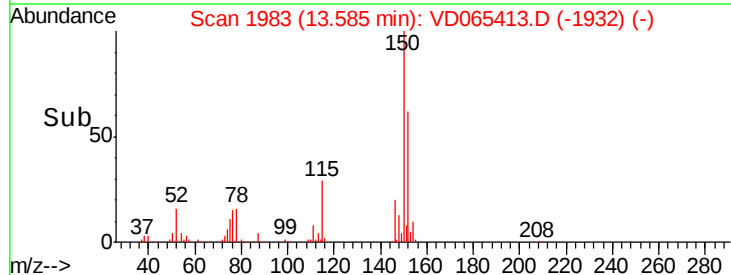
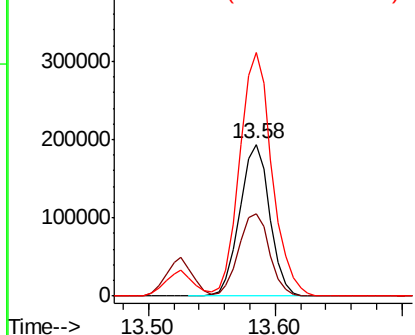


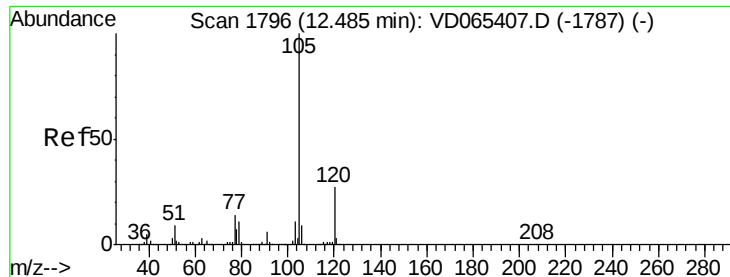
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

Tgt Ion:152 Resp: 316202
Ion Ratio Lower Upper
152 100
115 56.2 27.6 82.8
150 173.2 0.0 345.0



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: 52.276 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065413.D

Acq: 04 Mar 2020 16:05

Instrument :

MSVOA_D

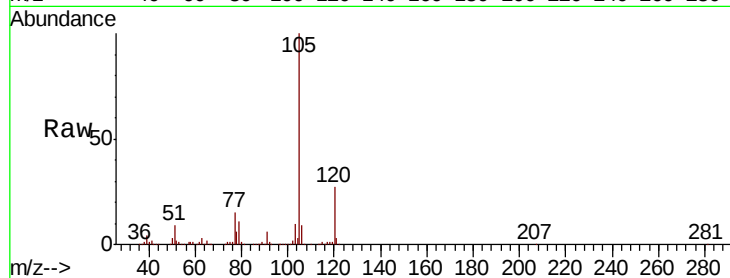
ClientSampleId :

Tot Ion:105 Resp: 1087238

Ion Ratio Lower Upper

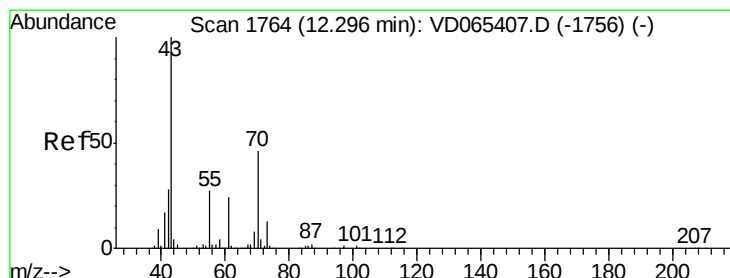
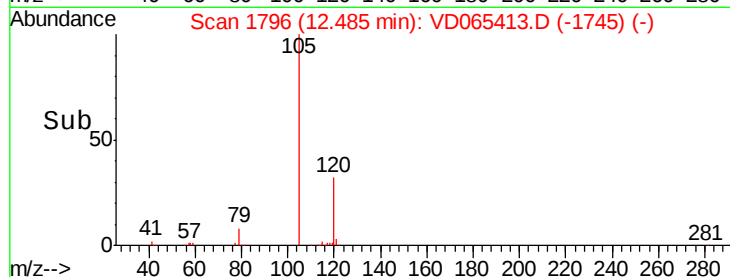
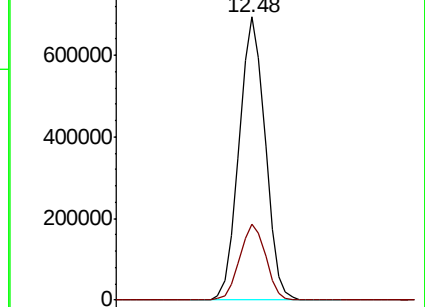
105 100

120 26.7 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.525 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065413.D

Acq: 04 Mar 2020 16:05

Tgt Ion: 43 Resp: 219389

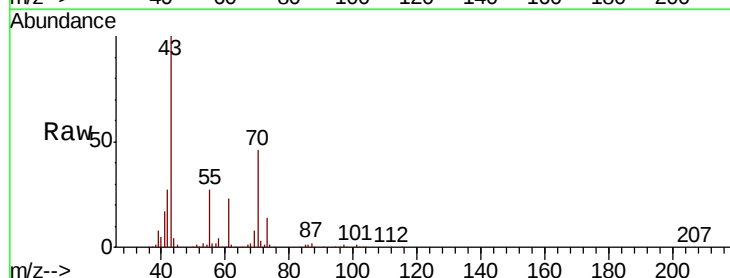
Ion Ratio Lower Upper

43 100

70 44.8 36.1 54.1

55 27.1 21.6 32.4

61 24.0 19.6 29.4

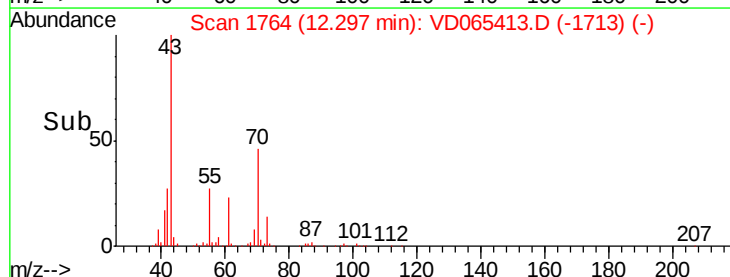
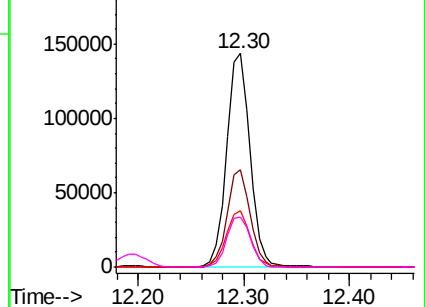


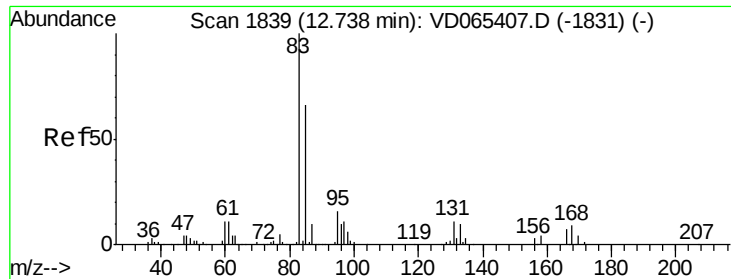
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 48.167 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065413.D

Acq: 04 Mar 2020 16:05

Instrument :

MSVOA_D

ClientSampleId :

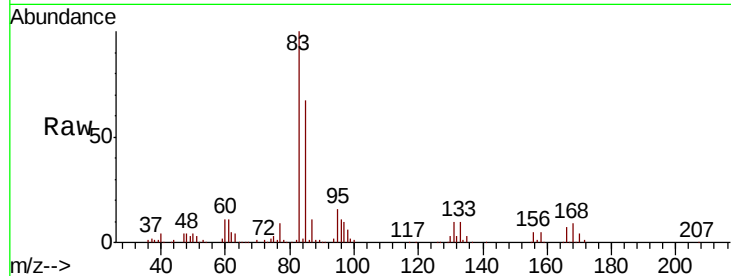
Tot Ion: 83 Resp: 176090

Ion Ratio Lower Upper

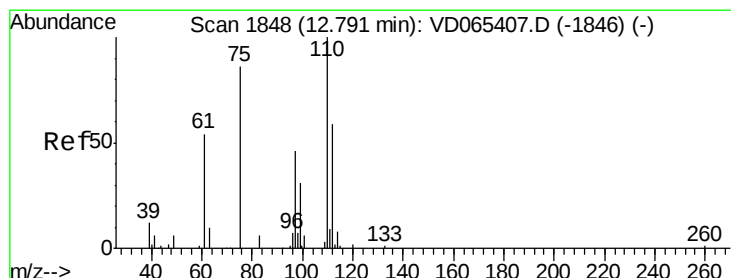
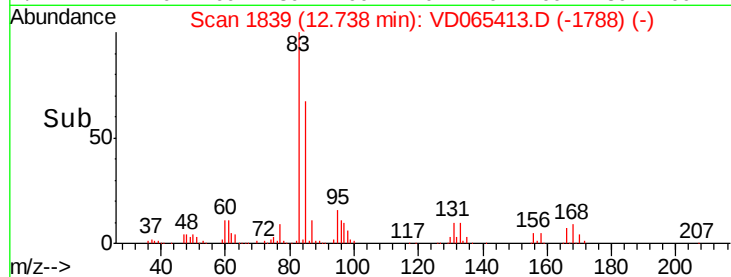
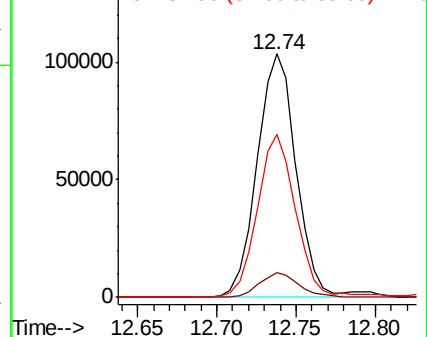
83 100

131 10.6 5.4 16.2

85 66.8 33.0 98.9



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: 92.760 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065413.D

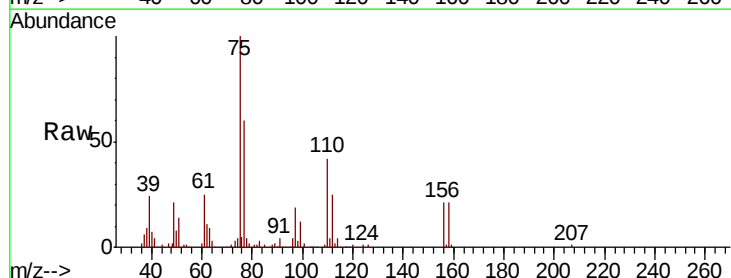
Acq: 04 Mar 2020 16:05

Tgt Ion: 75 Resp: 231446

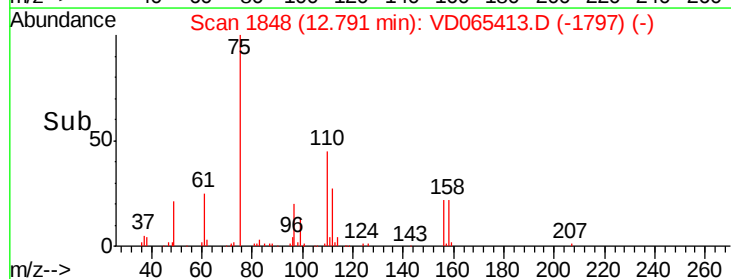
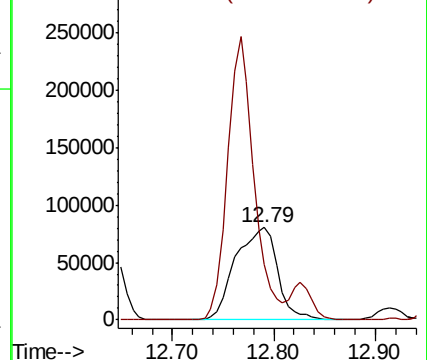
Ion Ratio Lower Upper

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: 50.303 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065413.D

Acq: 04 Mar 2020 16:05

Instrument :

MSVOA_D

ClientSampleId :

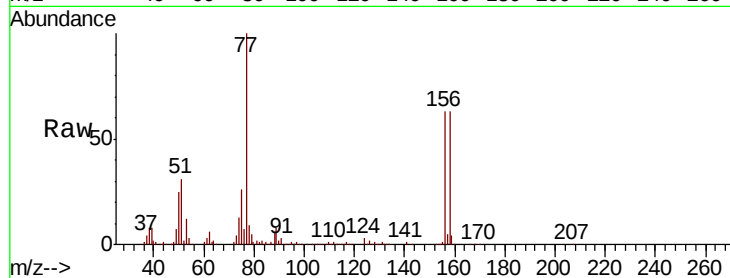
Tot Ion:156 Resp: 259931

Ion Ratio Lower Upper

156 100

77 171.7 84.9 254.6

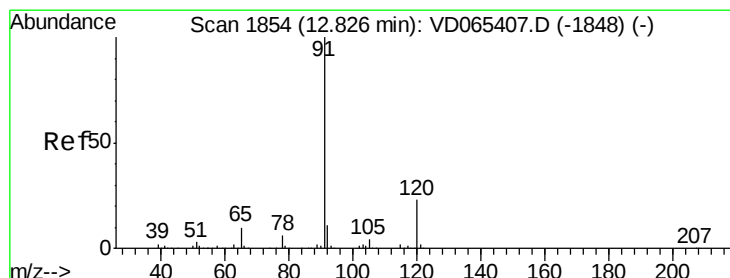
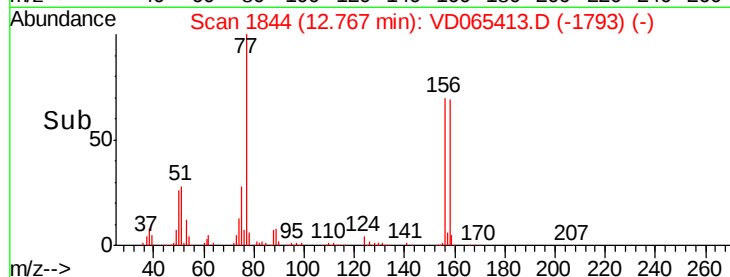
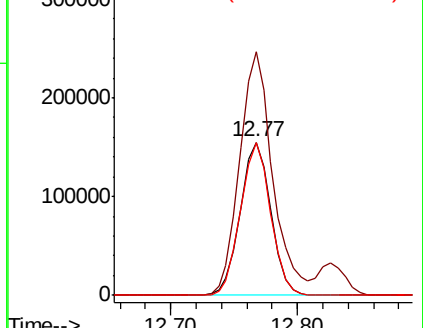
158 98.1 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.226 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065413.D

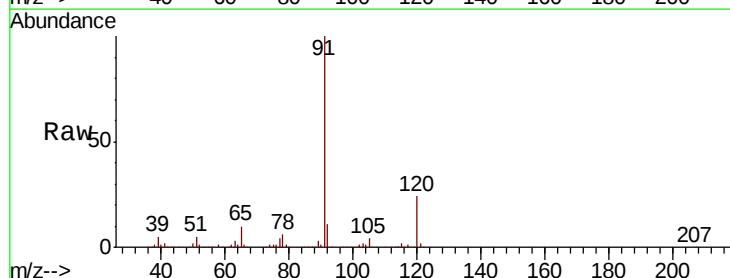
Acq: 04 Mar 2020 16:05

Tgt Ion: 91 Resp: 1288783

Ion Ratio Lower Upper

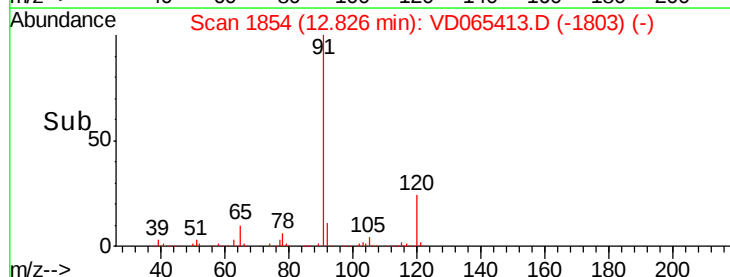
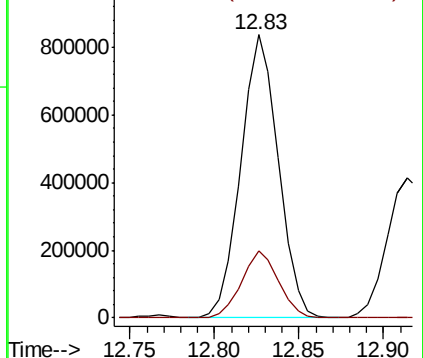
91 100

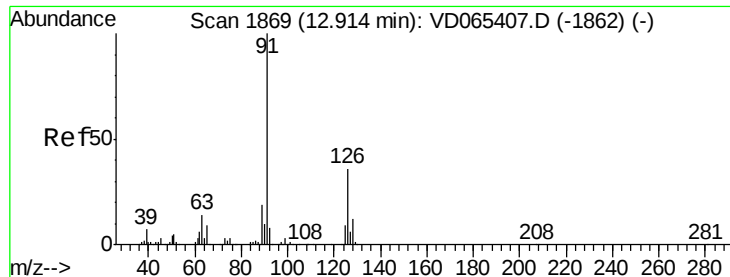
120 23.4 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.460 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065413.D

Acq: 04 Mar 2020 16:05

Instrument :

MSVOA_D

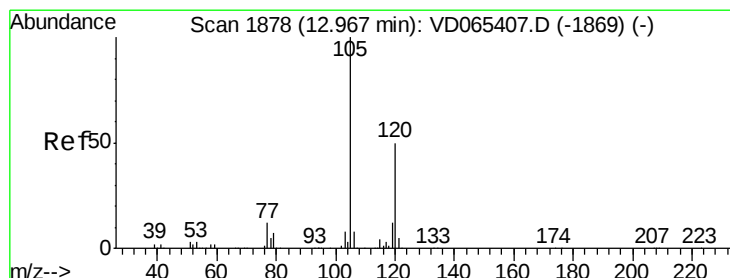
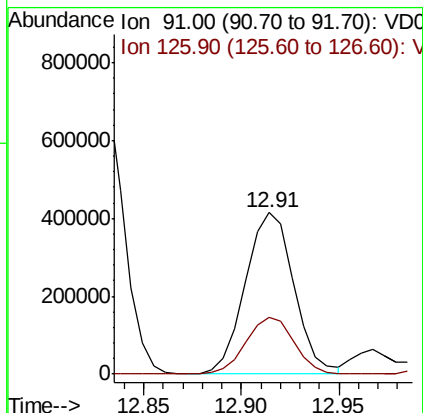
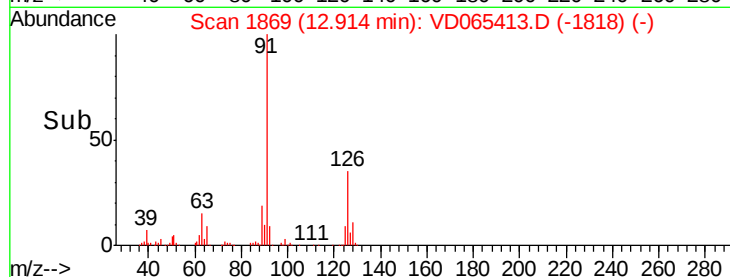
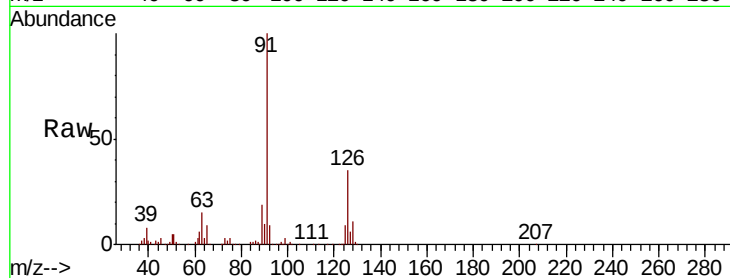
ClientSampled :

Tot Ion: 91 Resp: 715687

Ion Ratio Lower Upper

91 100

126 34.8 17.9 53.8



#80

1,3,5-Trimethylbenzene

Concen: 51.437 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065413.D

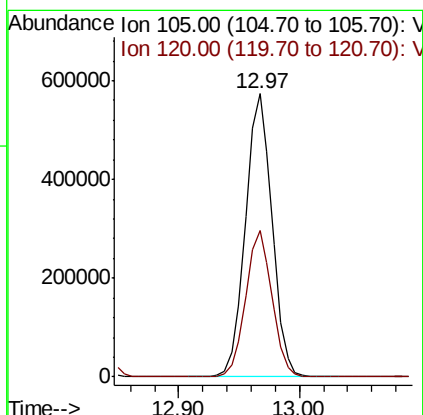
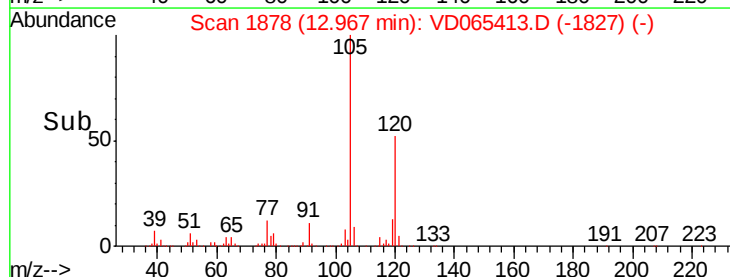
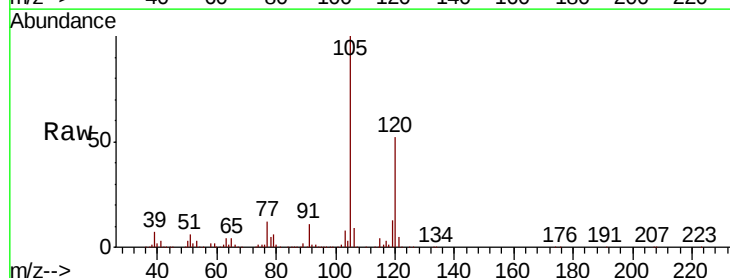
Acq: 04 Mar 2020 16:05

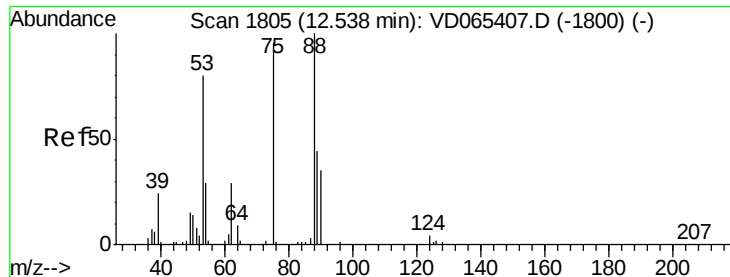
Tgt Ion:105 Resp: 879494

Ion Ratio Lower Upper

105 100

120 51.2 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 49.738 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065413.D

Acq: 04 Mar 2020 16:05

Instrument :

MSVOA_D

ClientSampleId :

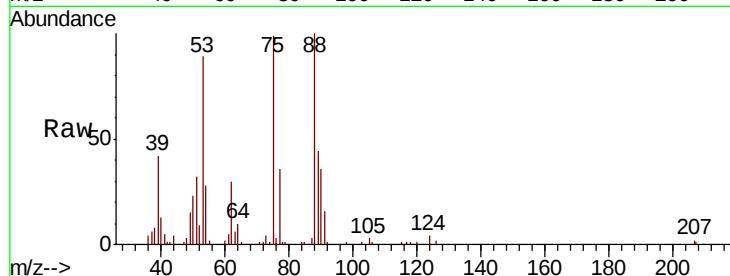
Tot Ion: 75 Resp: 58807

Ion Ratio Lower Upper

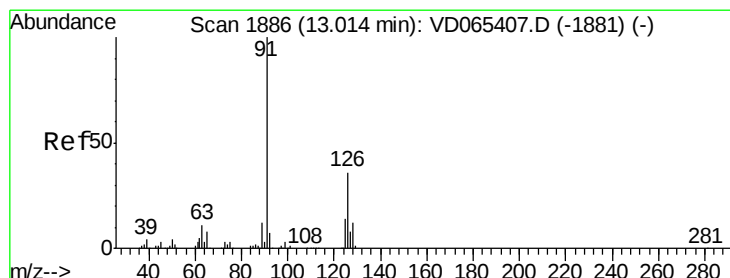
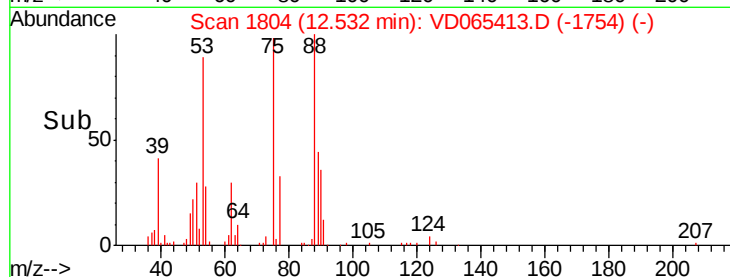
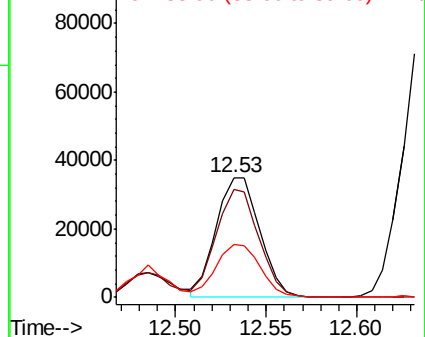
75 100

53 88.0 71.3 106.9

89 45.0 37.0 55.6



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: 50.842 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065413.D

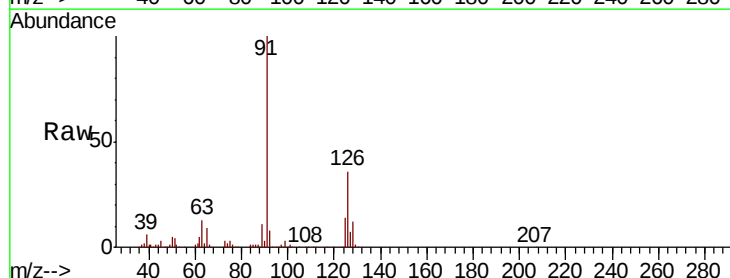
Acq: 04 Mar 2020 16:05

Tgt Ion: 91 Resp: 743032

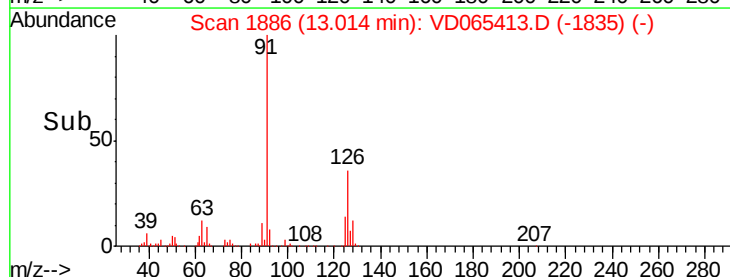
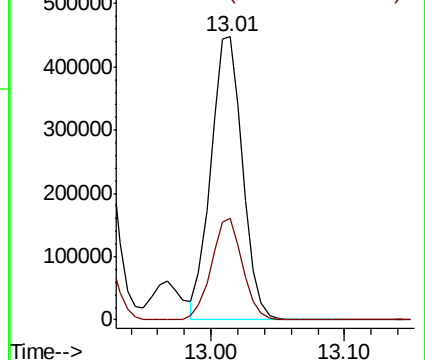
Ion Ratio Lower Upper

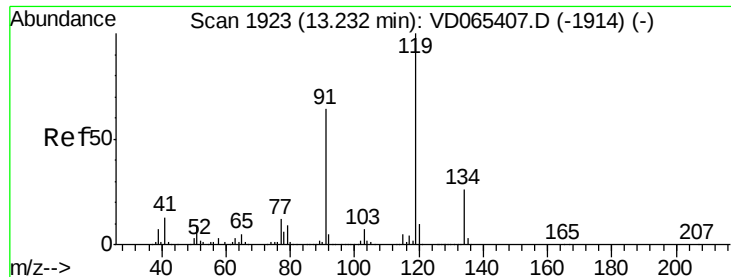
91 100

126 35.4 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.90 (125.60 to 126.60): V

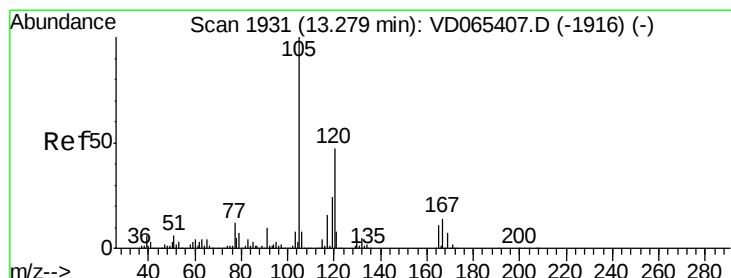
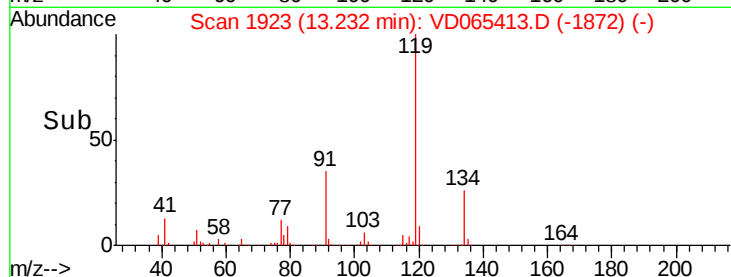
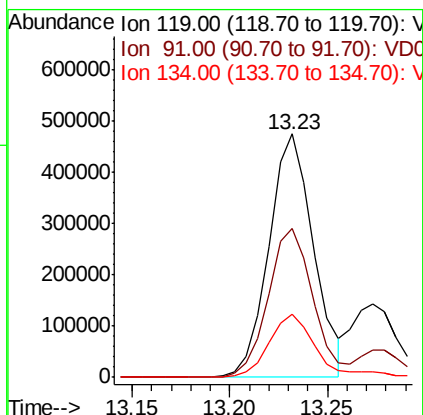
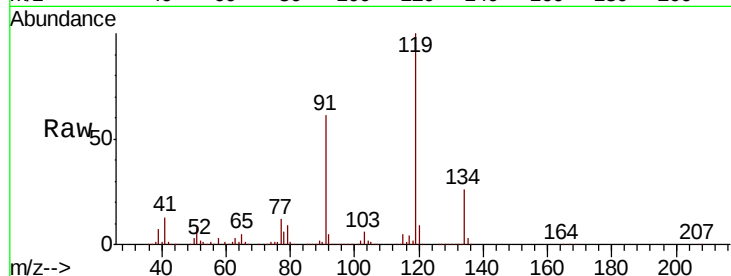




#83
tert-Butylbenzene
Concen: 52.135 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

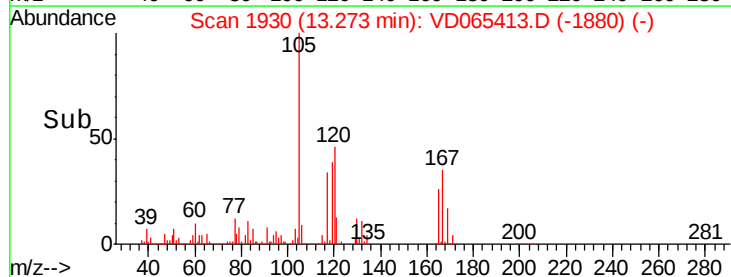
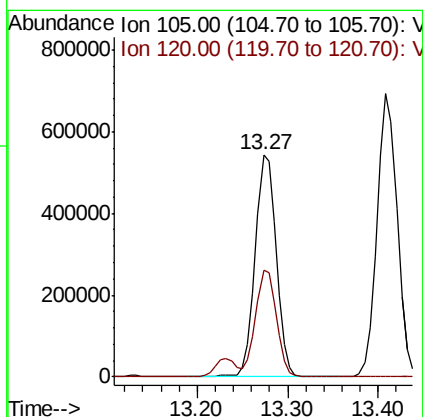
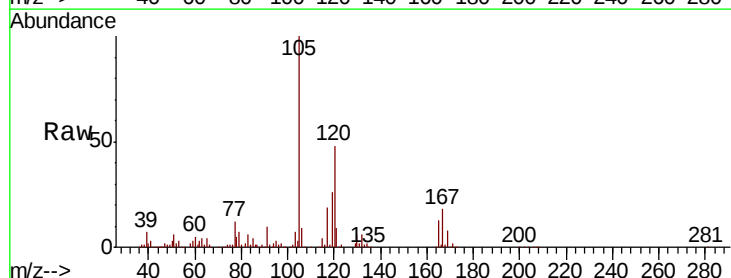
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 754155
Ion Ratio Lower Upper
119 100
91 61.7 31.6 95.0
134 27.4 14.2 42.8



#84
1,2,4-Trimethylbenzene
Concen: 52.181 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.01 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

Tgt Ion:105 Resp: 879462
Ion Ratio Lower Upper
105 100
120 47.3 23.4 70.3

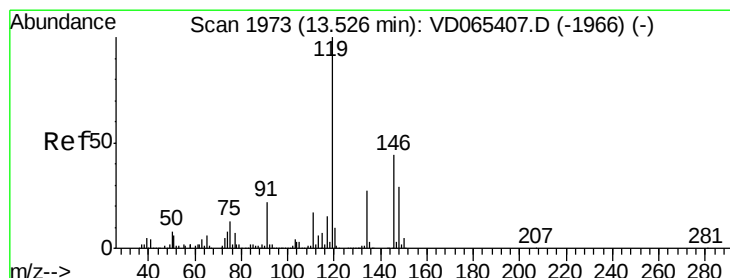
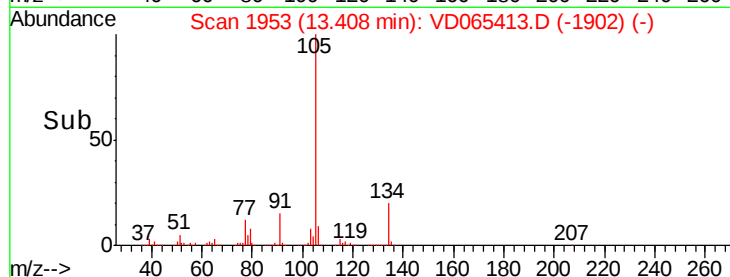
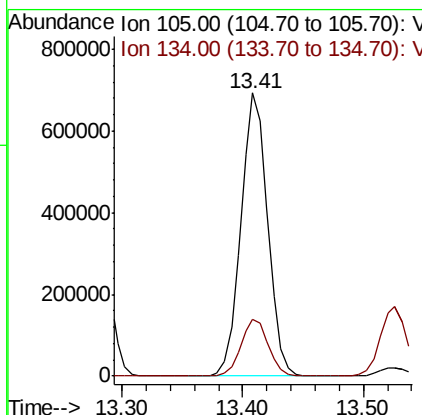
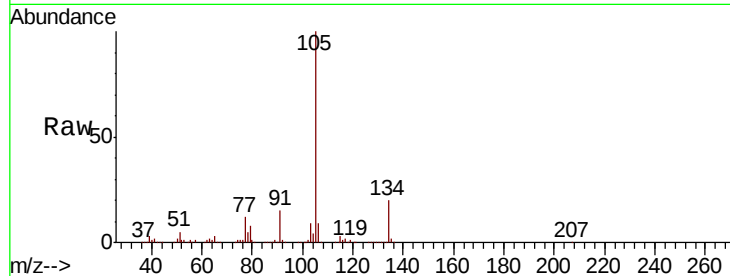




#85
 sec-Butylbenzene
 Concen: 51.561 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065413.D
 Acq: 04 Mar 2020 16:05

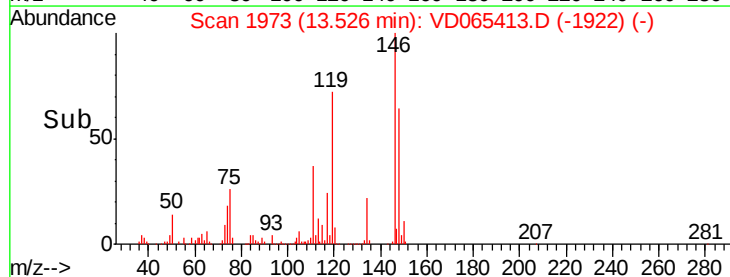
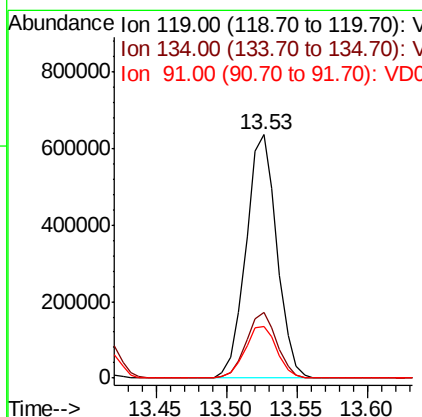
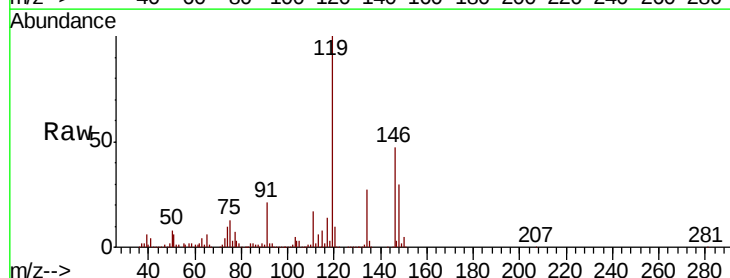
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:105 Resp: 1064646
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.3 30.9



#86
 p-Isopropyltoluene
 Concen: 51.597 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065413.D
 Acq: 04 Mar 2020 16:05

Tgt Ion:119 Resp: 972162
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.3 39.9
 91 21.9 10.9 32.6

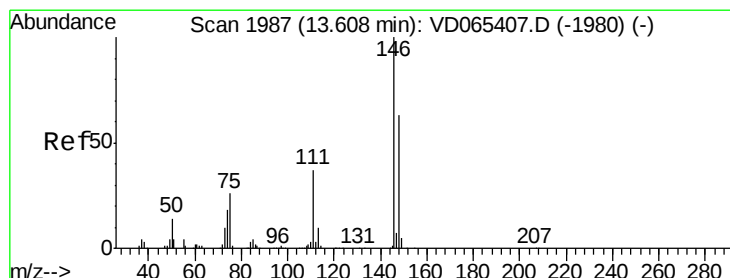
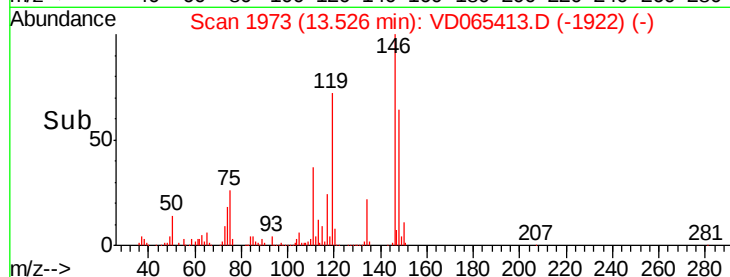
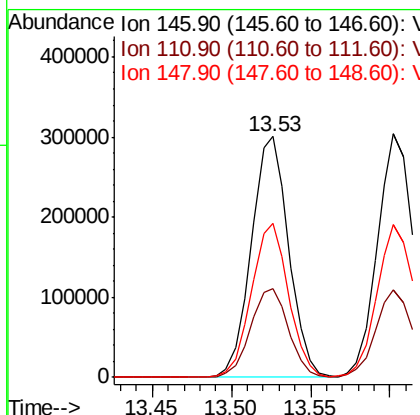
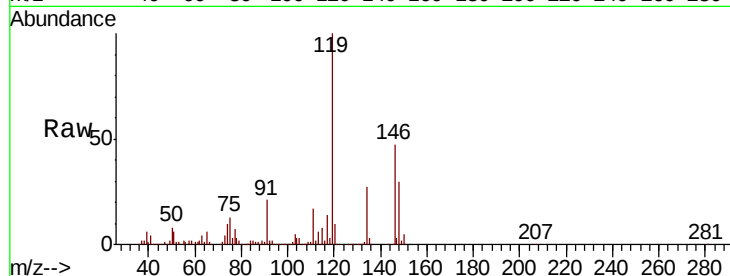




#87
 1,3-Dichlorobenzene
 Concen: 49.524 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065413.D
 Acq: 04 Mar 2020 16:05

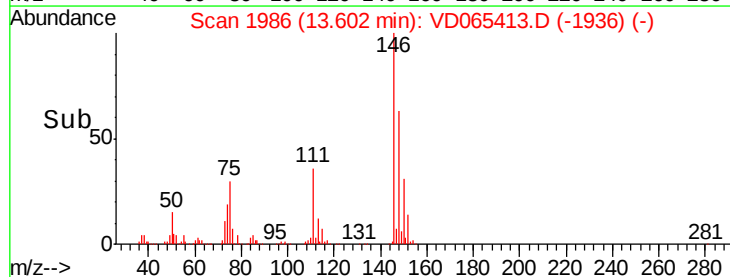
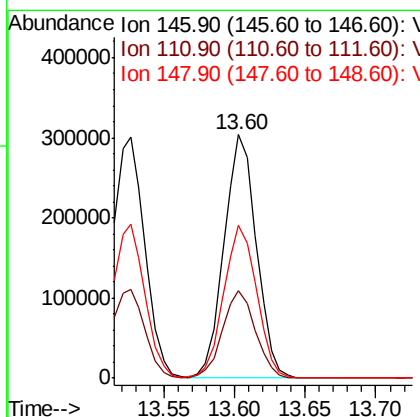
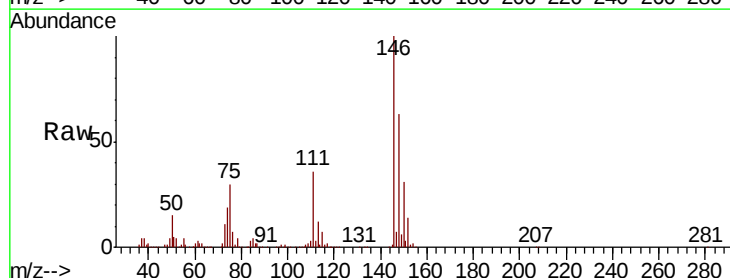
Instrument :
 MSVOA_D
 ClientSampleId :

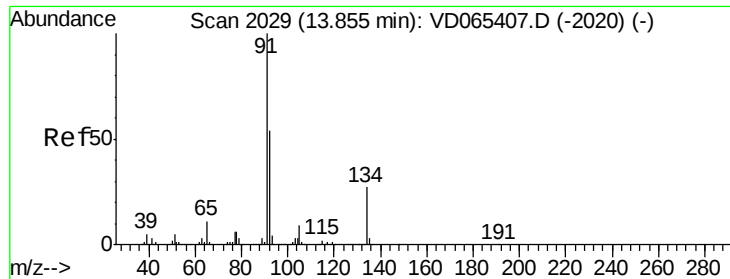
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	19.1	57.1
148	63.6	32.3	96.8



#88
 1,4-Dichlorobenzene
 Concen: 48.917 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: VD065413.D
 Acq: 04 Mar 2020 16:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.5	55.5
148	64.0	32.0	96.0





#89

n-Butylbenzene

Concen: 50.804 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. 0.00 min

Lab File: VD065413.D

Acq: 04 Mar 2020 16:05

Instrument :

MSVOA_D

ClientSampleId :

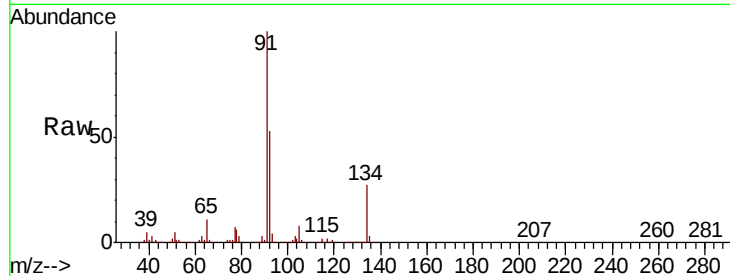
Tot Ion: 91 Resp: 884946

Ion Ratio Lower Upper

91 100

92 54.0 26.8 80.4

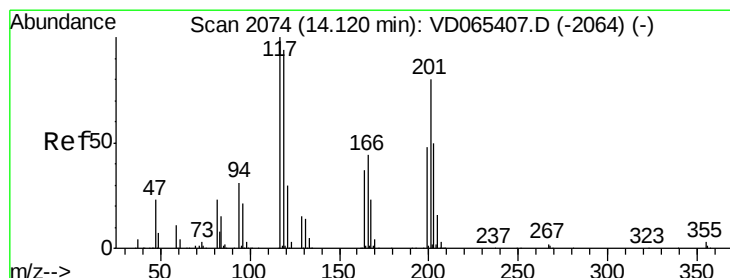
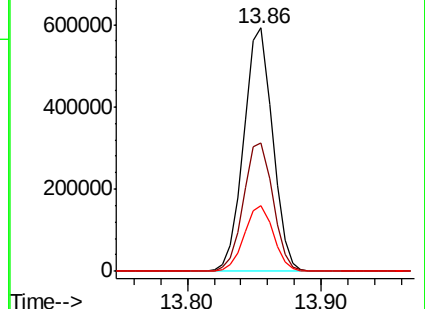
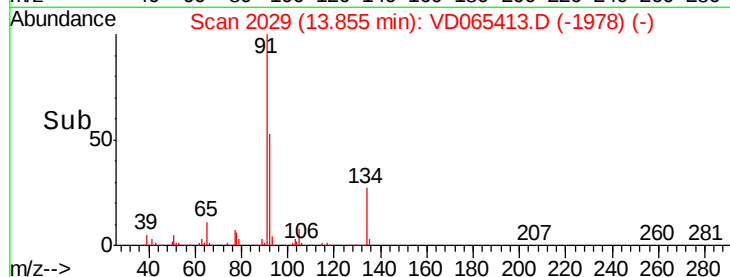
134 27.1 13.4 40.2



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): VDC



#90

Hexachloroethane

Concen: 49.074 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.00 min

Lab File: VD065413.D

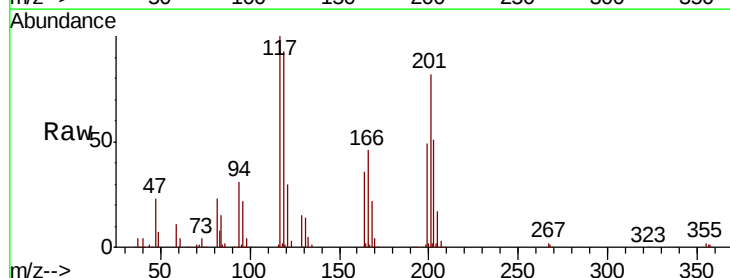
Acq: 04 Mar 2020 16:05

Tgt Ion: 117 Resp: 190412

Ion Ratio Lower Upper

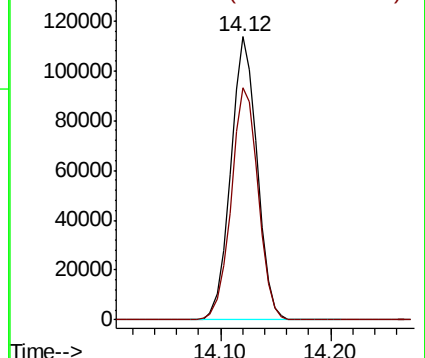
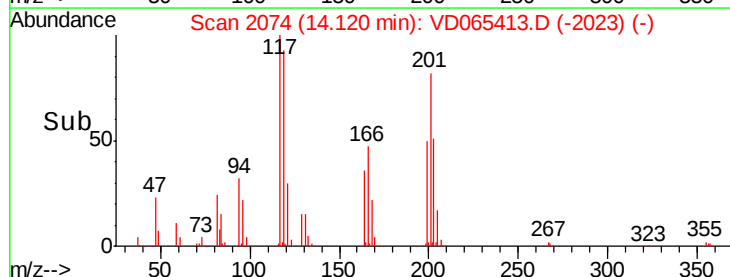
117 100

201 83.6 41.9 125.6



Abundance Ion 116.80 (116.50 to 117.50): VDC

Ion 200.70 (200.40 to 201.40): VDC

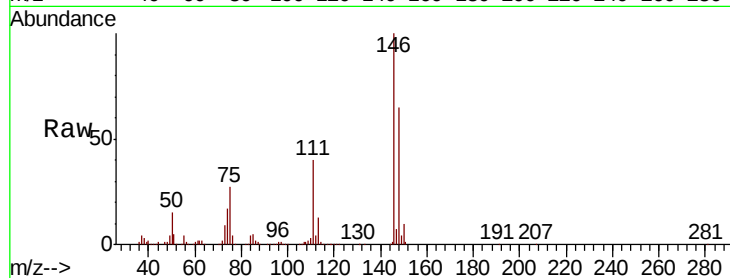




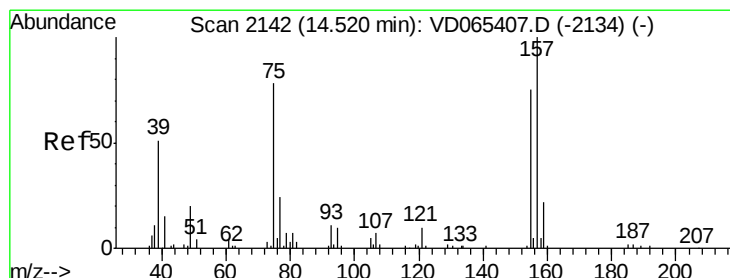
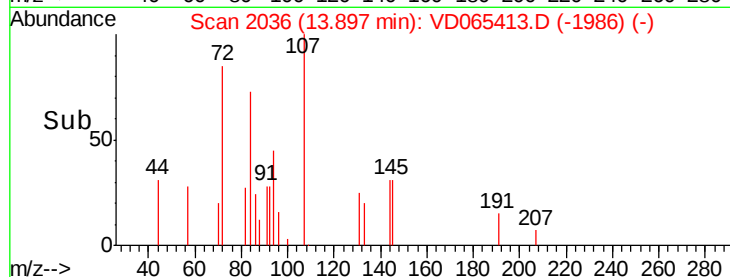
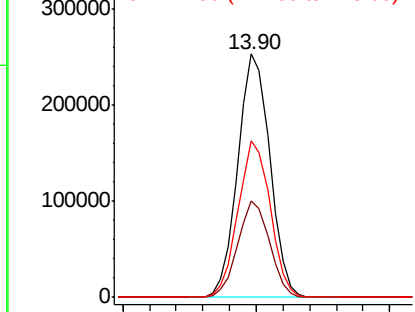
#91
 1,2-Dichlorobenzene
 Concen: 49.994 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065413.D
 Acq: 04 Mar 2020 16:05

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.8	59.3
148	64.6	32.6	97.8

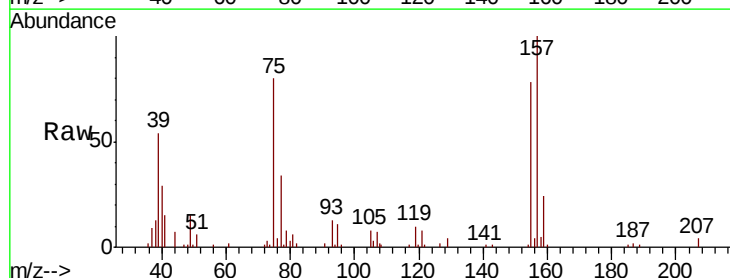


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

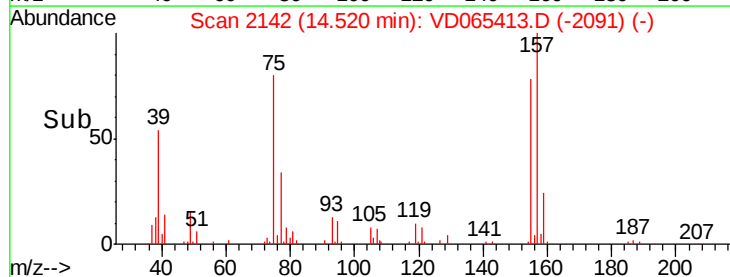
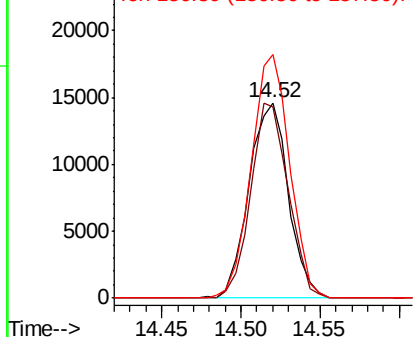


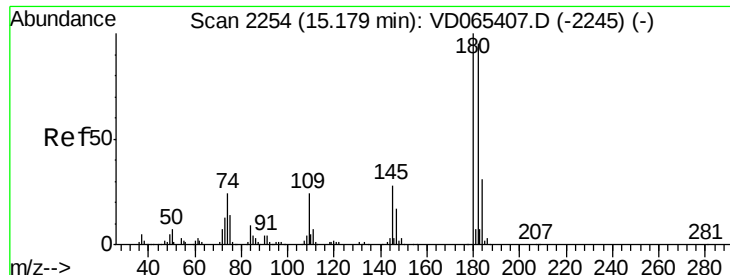
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.403 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065413.D
 Acq: 04 Mar 2020 16:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.8	46.4	139.1
157	121.3	60.2	180.4



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

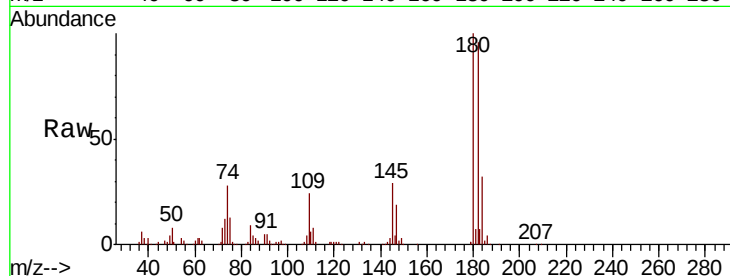




#93
 1,2,4-Trichlorobenzene
 Concen: 48.899 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065413.D
 Acq: 04 Mar 2020 16:05

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	48.3	144.9
145	29.4	14.4	43.4

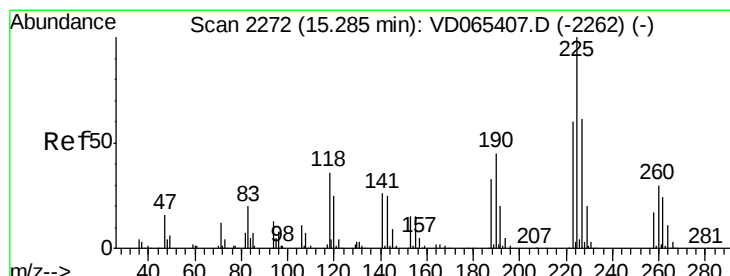
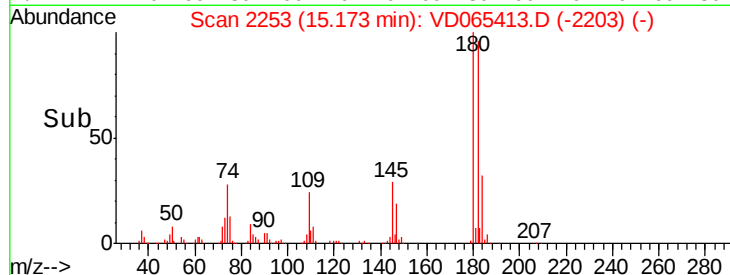
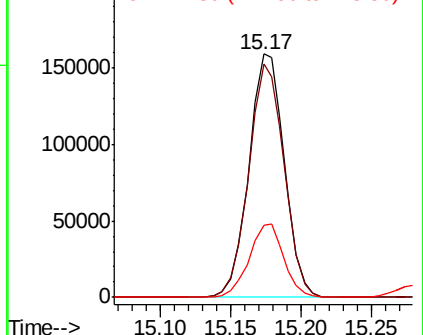


Abundance

Ion 179.80 (179.50 to 180.50): V

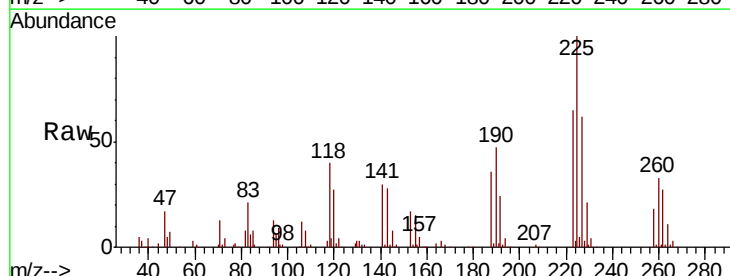
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 47.368 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065413.D
 Acq: 04 Mar 2020 16:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	30.9	92.5
227	63.3	31.6	94.7

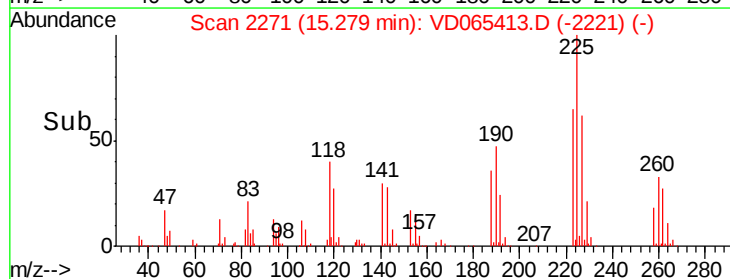
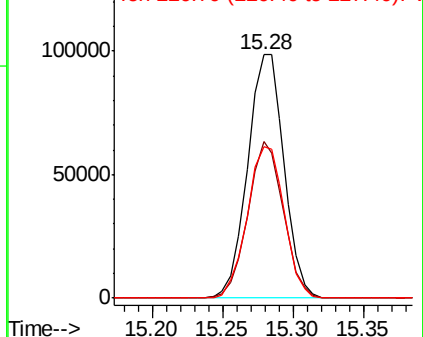


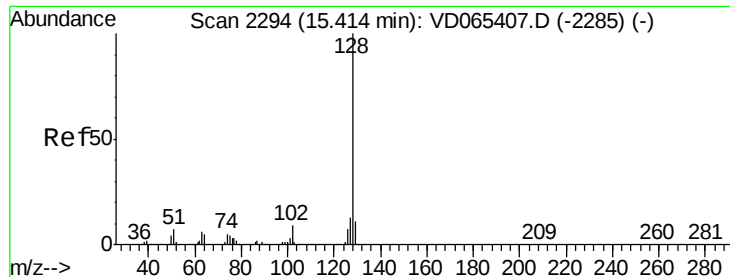
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

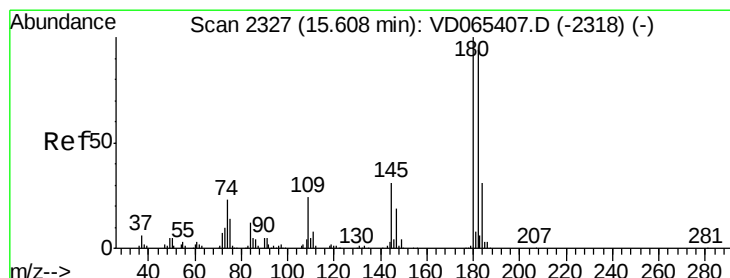
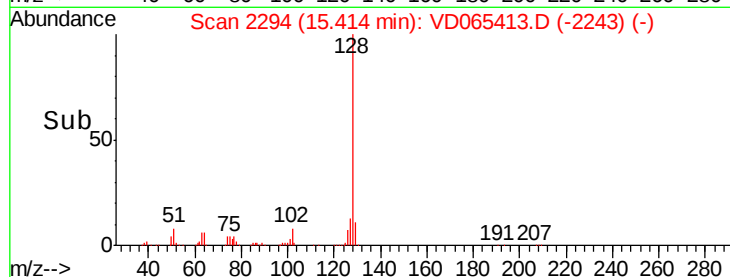
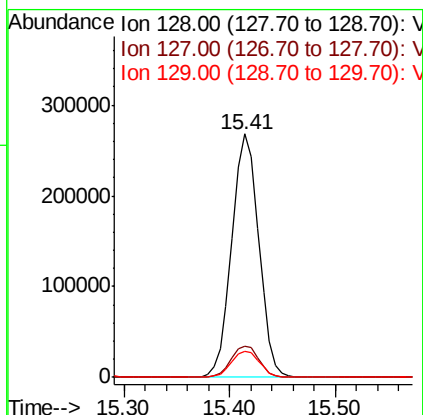
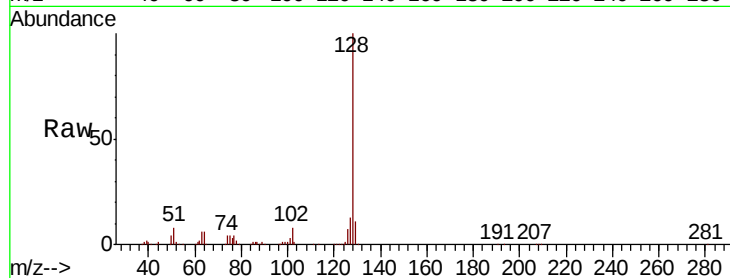




#95
Naphthalene
Concen: 46.658 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 473200
Ion Ratio Lower Upper
128 100
127 13.3 10.6 16.0
129 11.3 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 49.935 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065413.D
Acq: 04 Mar 2020 16:05

Tgt Ion:180 Resp: 247250
Ion Ratio Lower Upper
180 100
182 95.4 46.9 140.6
145 30.8 15.0 45.1

