

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030420\
 Data File : VD065417.D
 Acq On : 04 Mar 2020 18:14
 Operator : VA/SY
 Sample : VD0304SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 05 01:28:47 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	481620	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	717155	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	665157	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	333721	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	214127	51.83	ug/l	0.00
Spiked Amount			Recovery	=	103.66%	
35) Dibromofluoromethane	7.92	113	224908	50.71	ug/l	0.00
Spiked Amount			Recovery	=	101.42%	
50) Toluene-d8	10.34	98	869084	51.08	ug/l	0.00
Spiked Amount			Recovery	=	102.16%	
62) 4-Bromofluorobenzene	12.64	95	284512	54.17	ug/l	0.00
Spiked Amount			Recovery	=	108.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	89210	21.553	ug/l	98
3) Chloromethane	2.21	50	104320	20.875	ug/l	98
4) Vinyl Chloride	2.35	62	101985	20.691	ug/l	99
5) Bromomethane	2.76	94	64379	20.485	ug/l	98
6) Chloroethane	2.92	64	61618	20.411	ug/l	97
7) Trichlorofluoromethane	3.27	101	147209	20.269	ug/l	96
8) Diethyl Ether	3.70	74	47803	22.132	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	93703	20.032	ug/l	100
10) Methyl Iodide	4.29	142	98698	20.310	ug/l	98
11) Tert butyl alcohol	5.26	59	23302	98.332	ug/l #	91
12) 1,1-Dichloroethene	4.06	96	92561	20.665	ug/l	97
13) Acrolein	3.92	56	41772	102.211	ug/l	100
14) Allyl chloride	4.71	41	140055	20.355	ug/l	99
15) Acrylonitrile	5.43	53	101655	108.186	ug/l	99
16) Acetone	4.17	43	82037	98.186	ug/l	96
17) Carbon Disulfide	4.40	76	305351	20.471	ug/l	98
18) Methyl Acetate	4.73	43	46503	21.941	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	189944	22.052	ug/l	99
20) Methylene Chloride	4.96	84	112317	22.880	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	102507	20.573	ug/l	94
22) Diisopropyl ether	6.37	45	295846	23.129	ug/l	98
23) Vinyl Acetate	6.31	43	785621	110.618	ug/l	98
24) 1,1-Dichloroethane	6.27	63	173135	21.103	ug/l	97
25) 2-Butanone	7.22	43	118208	103.673	ug/l	97
26) 2,2-Dichloropropane	7.21	77	141626	19.754	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	109717	21.543	ug/l	97
28) Bromochloromethane	7.55	49	70133	21.366	ug/l	99
29) Tetrahydrofuran	7.57	42	78994	108.487	ug/l	98
30) Chloroform	7.71	83	178339	21.748	ug/l	100
31) Cyclohexane	7.98	56	162777	19.842	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	155408	20.508	ug/l	98
36) 1,1-Dichloropropene	8.11	75	136144	19.805	ug/l	99
37) Ethyl Acetate	7.30	43	56449	21.245	ug/l	95
38) Carbon Tetrachloride	8.10	117	141292	19.821	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	159800	19.247	ug/l	94
40) Benzene	8.35	78	402333	20.933	ug/l	100
41) Methacrylonitrile	7.53	41	31750	22.595	ug/l #	84
42) 1,2-Dichloroethane	8.43	62	109816	21.880	ug/l	99
43) Isopropyl Acetate	8.46	43	103199	21.035	ug/l	99
44) Trichloroethene	9.11	130	110518	20.361	ug/l	96
45) 1,2-Dichloropropane	9.39	63	99903	21.458	ug/l	91
46) Dibromomethane	9.48	93	52257	21.638	ug/l	99
47) Bromodichloromethane	9.67	83	135300	21.535	ug/l	96
48) Methyl methacrylate	9.46	41	48161	20.869	ug/l	98
49) 1,4-Dioxane	9.47	88	11738	424.918	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	268137	108.608	ug/l	99
52) Toluene	10.41	92	257936	21.302	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	125782	21.423	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	156747	22.056	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	73687	21.543	ug/l	99
56) Ethyl methacrylate	10.67	69	85414	22.151	ug/l	99
57) 1,3-Dichloropropane	10.95	76	124122	21.447	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	211970	176.529	ug/l	99
59) 2-Hexanone	10.99	43	182205	106.613	ug/l	99
60) Dibromochloromethane	11.14	129	96464	22.001	ug/l	99
61) 1,2-Dibromoethane	11.25	107	71348	21.868	ug/l	96
64) Tetrachloroethene	10.88	164	96648	20.278	ug/l	95
65) Chlorobenzene	11.68	112	273149	20.752	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	100557	20.976	ug/l	99
67) Ethyl Benzene	11.75	91	458343	20.153	ug/l	99
68) m/p-Xylenes	11.86	106	365528	41.681	ug/l	99
69) o-Xylene	12.18	106	160590	20.818	ug/l	99
70) Styrene	12.20	104	289837	21.348	ug/l	99
71) Bromoform	12.37	173	56647	21.037	ug/l #	99
73) Isopropylbenzene	12.48	105	433960	19.770	ug/l	100
74) N-amyl acetate	12.30	43	94356	20.997	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	79800	20.682	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	102575	38.953	ug/l #	100
77) Bromobenzene	12.77	156	115028	21.092	ug/l	99
78) n-propylbenzene	12.83	91	525152	20.164	ug/l	99
79) 2-Chlorotoluene	12.91	91	295663	20.143	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	370680	20.541	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	24666	19.767	ug/l	95
82) 4-Chlorotoluene	13.01	91	316643	20.529	ug/l	99
83) tert-Butylbenzene	13.23	119	298480	19.551	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	368588	20.721	ug/l	100
85) sec-Butylbenzene	13.41	105	426722	19.581	ug/l	100
86) p-Isopropyltoluene	13.53	119	389546	19.590	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	215093	20.515	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	212084	20.335	ug/l	98
89) n-Butylbenzene	13.86	91	359822	19.573	ug/l	99
90) Hexachloroethane	14.12	117	79926	19.517	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	188607	21.138	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11909	20.267	ug/l	95

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Response via : Initial Calibration

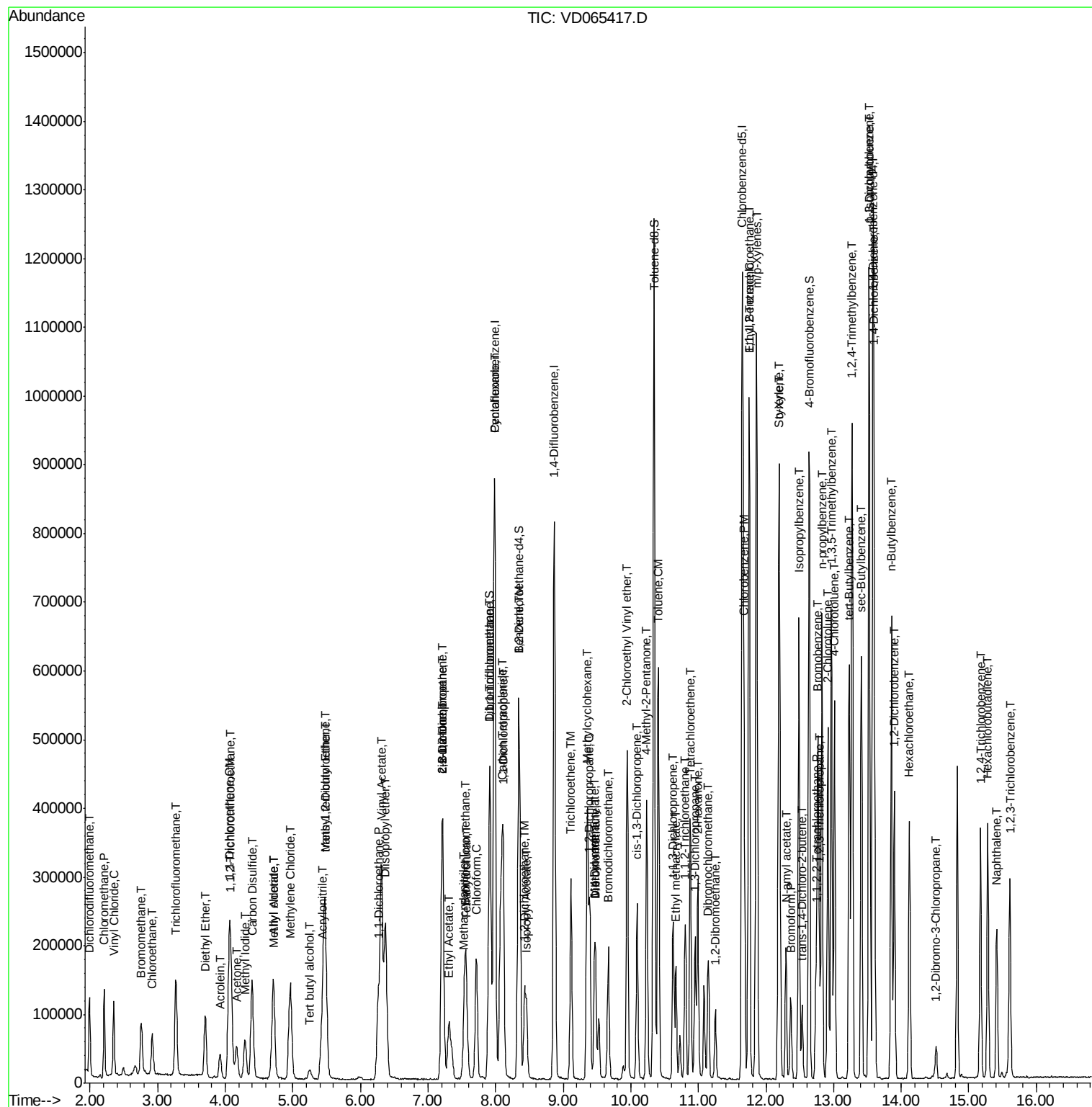
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	126103	20.852	ug/l	99
94) Hexachlorobutadiene	15.28	225	76418	19.232	ug/l	96
95) Naphthalene	15.41	128	193523	20.779	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	111179	21.275	ug/l	100

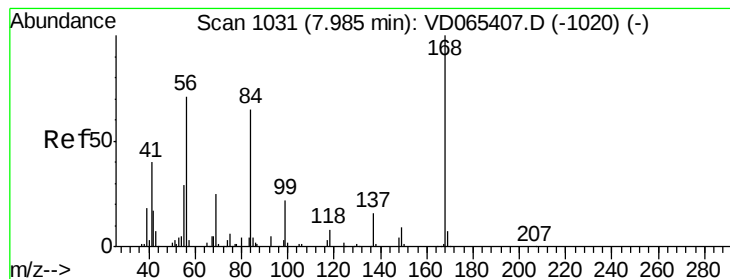
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

Instrument :

MSVOA_D

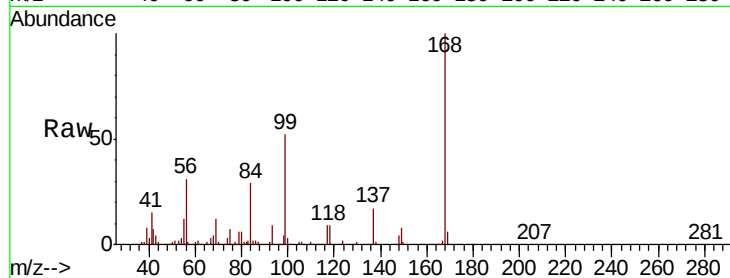
ClientSampled :

Tot Ion:168 Resp: 481620

Ion Ratio Lower Upper

168 100

99 51.7 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

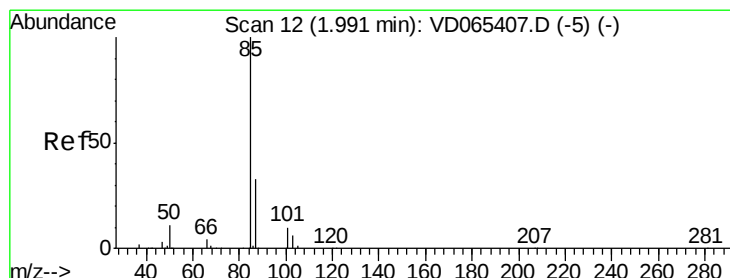
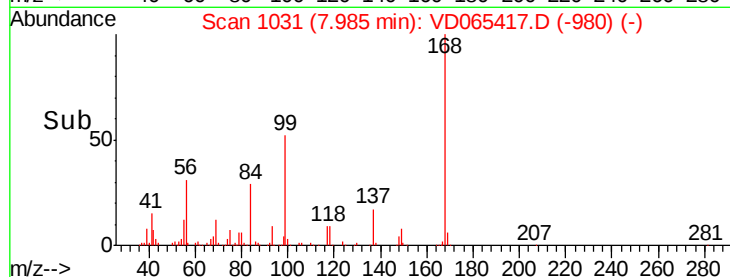
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.553 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065417.D

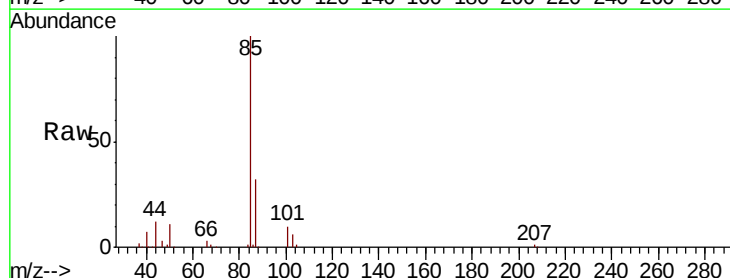
Acq: 04 Mar 2020 18:14

Tgt Ion: 85 Resp: 89210

Ion Ratio Lower Upper

85 100

87 31.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

40000

20000

0

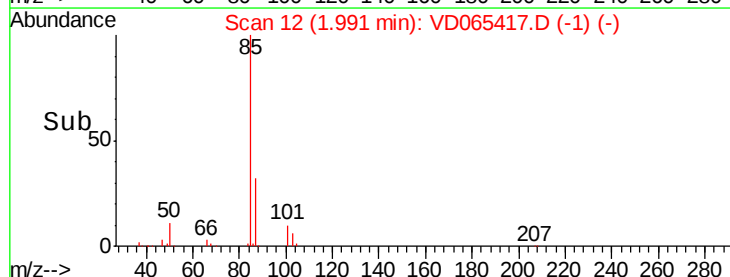
1.90

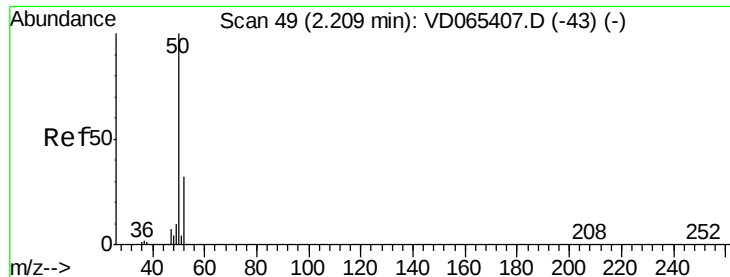
1.95

2.00

2.05

Time-->





#3

Chloromethane

Concen: 20.875 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

Instrument :

MSVOA_D

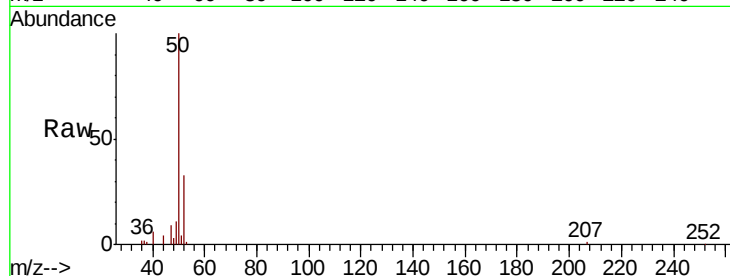
ClientSampled :

Tot Ion: 50 Resp: 104320

Ion Ratio Lower Upper

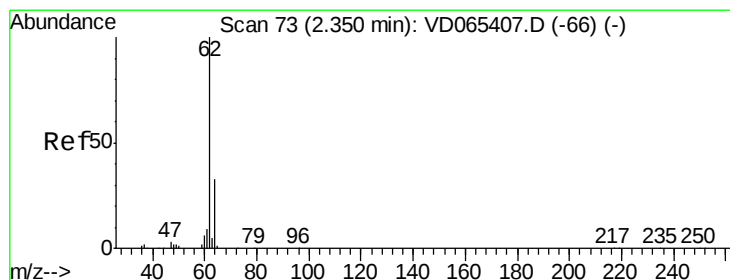
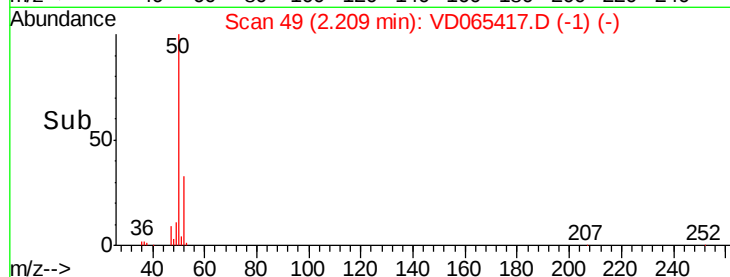
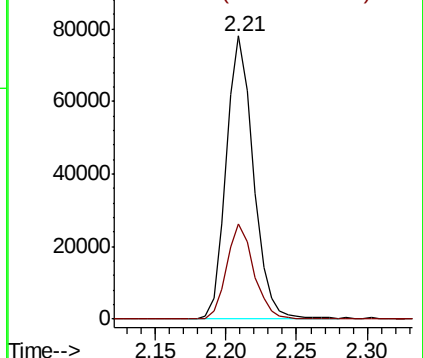
50 100

52 33.4 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.691 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065417.D

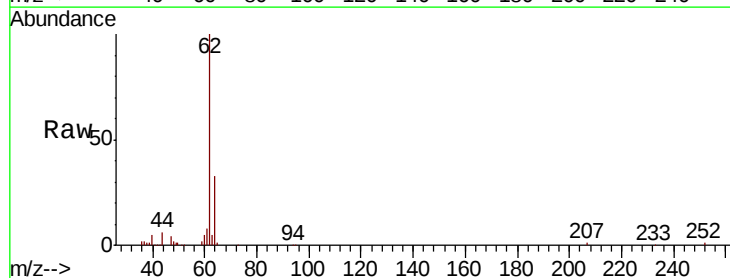
Acq: 04 Mar 2020 18:14

Tgt Ion: 62 Resp: 101985

Ion Ratio Lower Upper

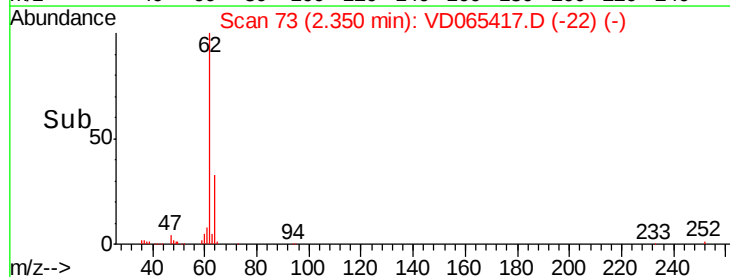
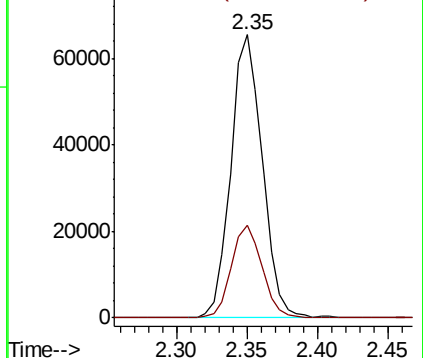
62 100

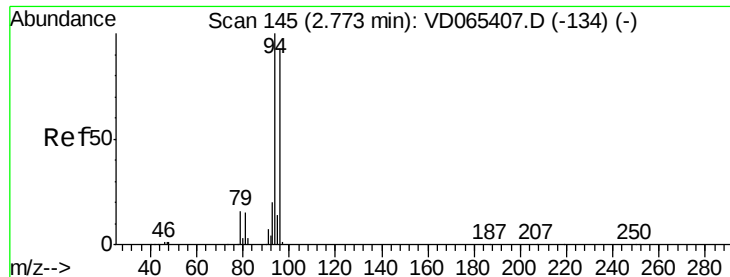
64 32.8 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.485 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

Instrument :

MSVOA_D

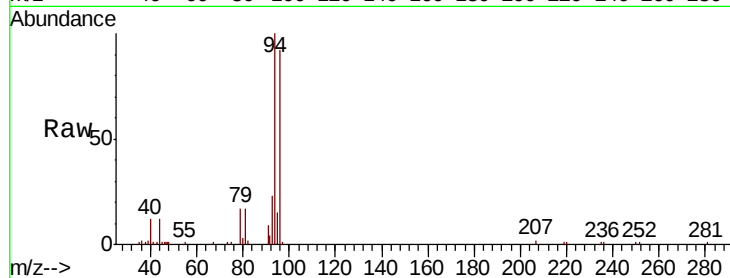
ClientSampleId :

Tot Ion: 94 Resp: 64379

Ion Ratio Lower Upper

94 100

96 90.9 74.4 111.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

25000

20000

15000

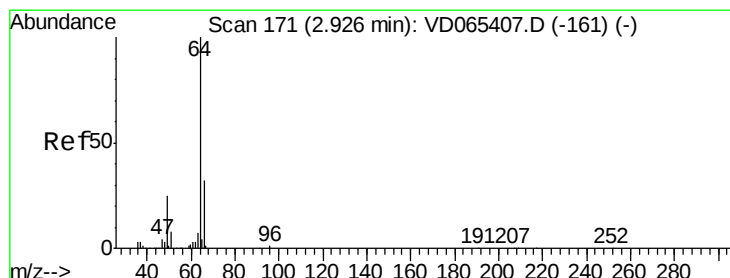
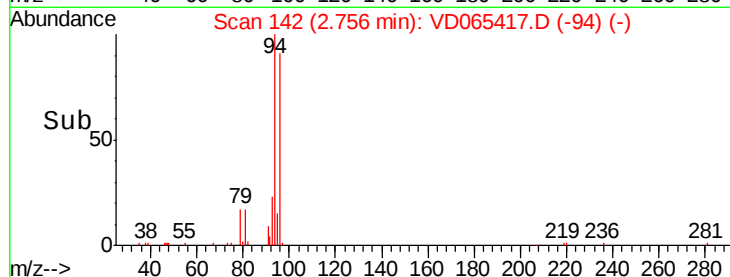
10000

5000

0

Time-->

2.70 2.80 2.90



#6

Chloroethane

Concen: 20.411 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065417.D

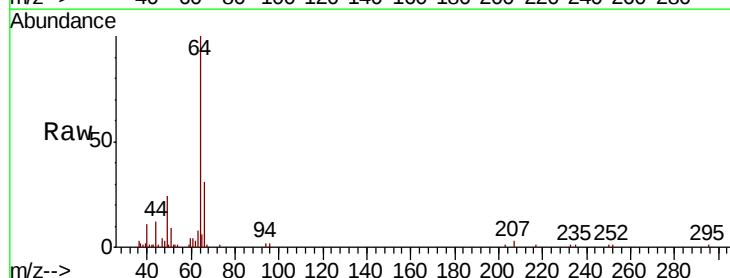
Acq: 04 Mar 2020 18:14

Tgt Ion: 64 Resp: 61618

Ion Ratio Lower Upper

64 100

66 30.6 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

30000

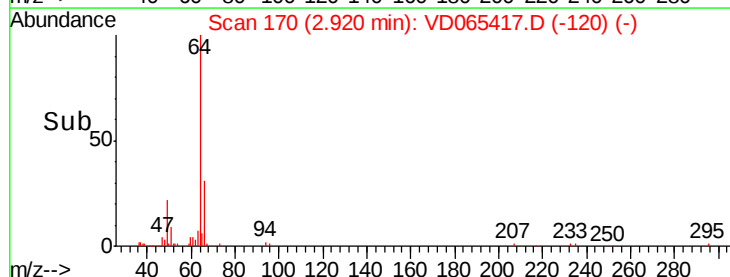
20000

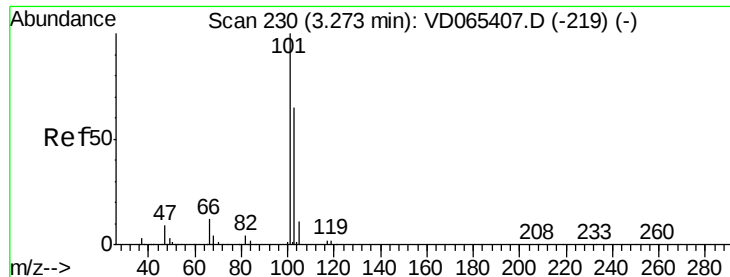
10000

0

Time-->

2.80 2.90 3.00



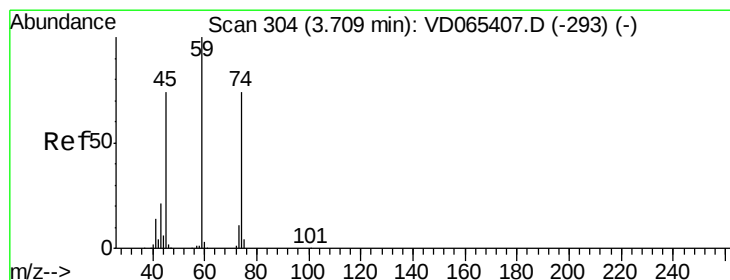
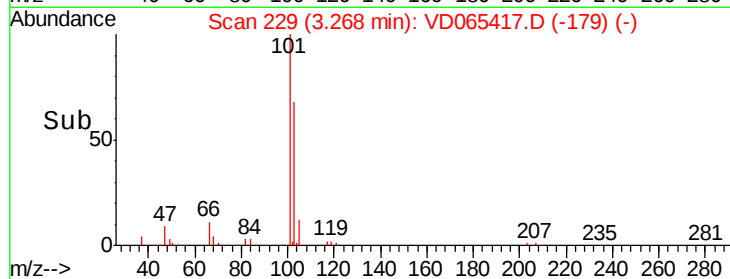
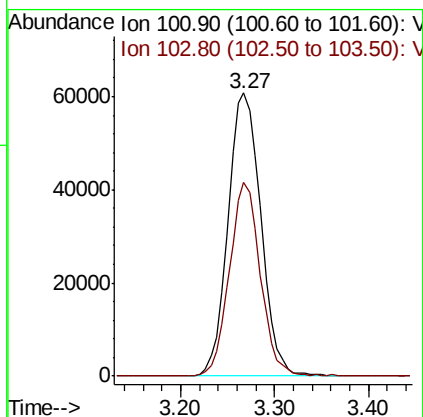
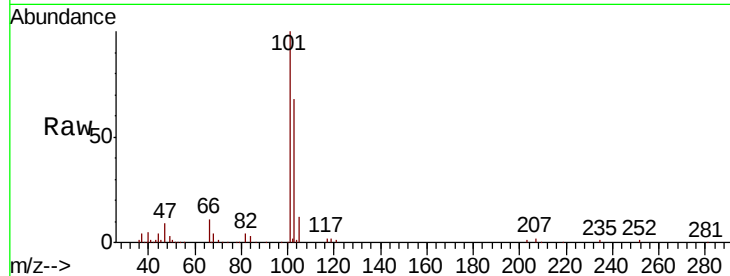


#7

Trichlorofluoromethane
 Concen: 20.269 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD065417.D
 Acq: 04 Mar 2020 18:14

Instrument :
 MSVOA_D
 ClientSampleId :

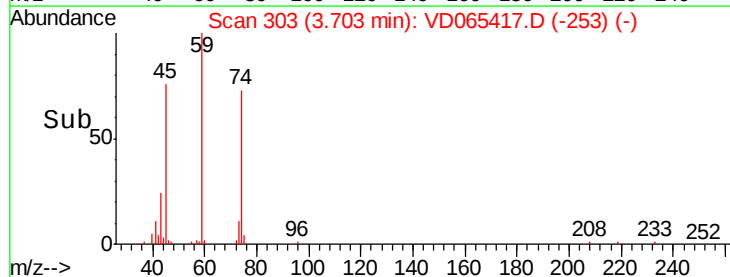
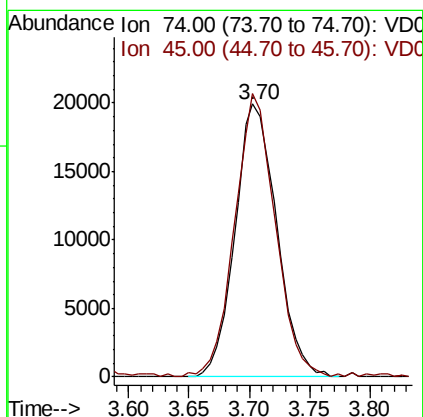
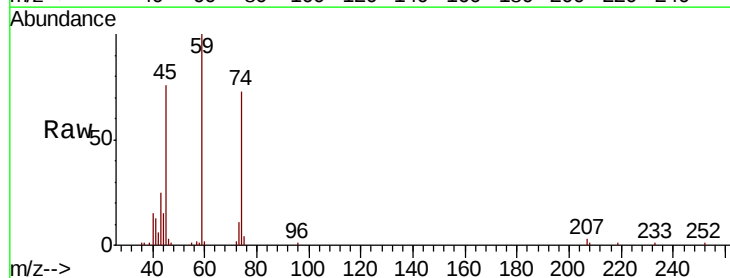
Tot Ion:101 Resp: 147209
 Ion Ratio Lower Upper
 101 100
 103 68.1 52.1 78.1

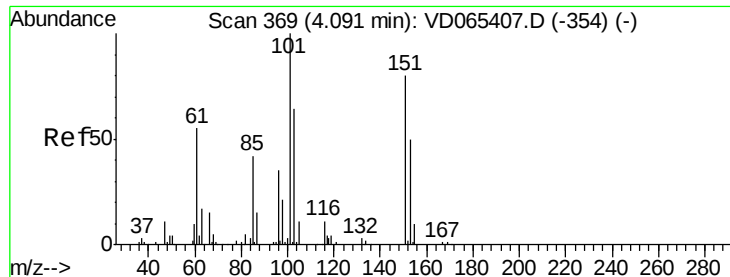


#8

Diethyl Ether
 Concen: 22.132 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD065417.D
 Acq: 04 Mar 2020 18:14

Tgt Ion: 74 Resp: 47803
 Ion Ratio Lower Upper
 74 100
 45 101.4 49.5 148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.032 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

Instrument :

MSVOA_D

ClientSampleId :

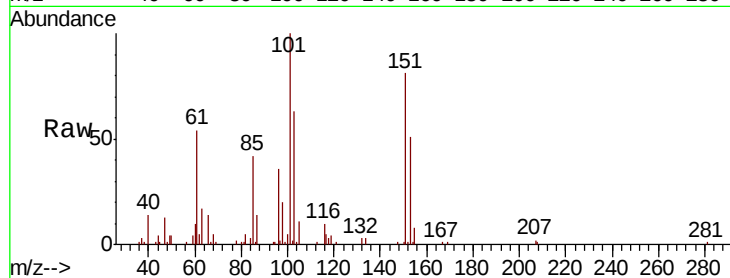
Tot Ion:101 Resp: 93703

Ion Ratio Lower Upper

101 100

85 42.3 34.2 51.2

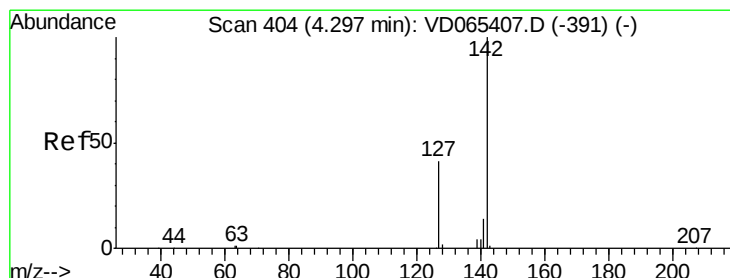
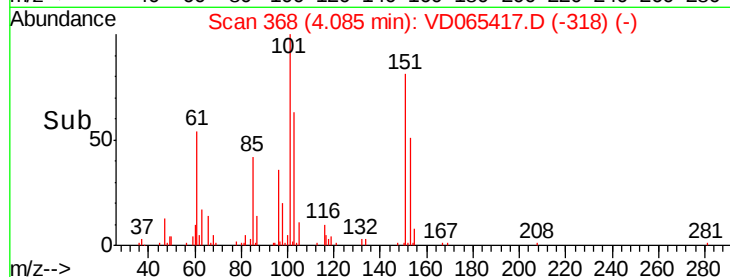
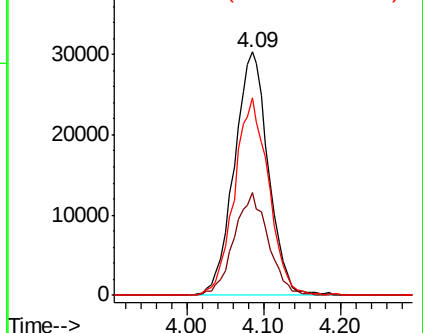
151 81.4 65.1 97.7



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: 20.310 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

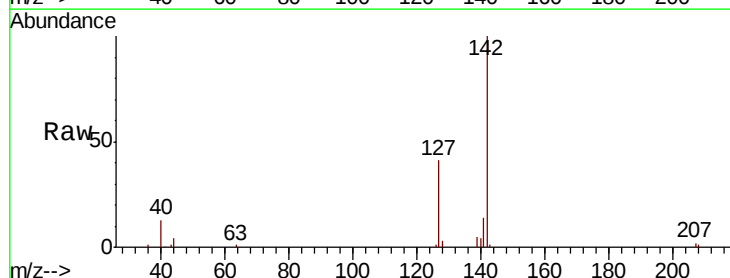
Tgt Ion:142 Resp: 98698

Ion Ratio Lower Upper

142 100

127 43.0 35.0 52.6

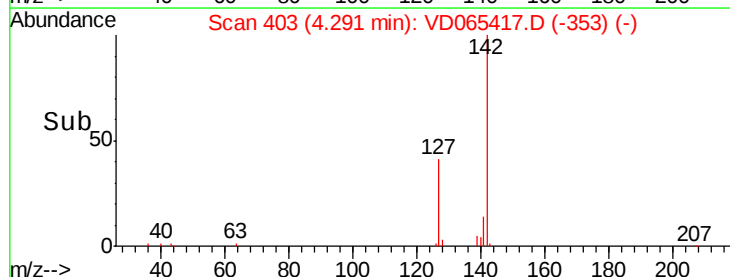
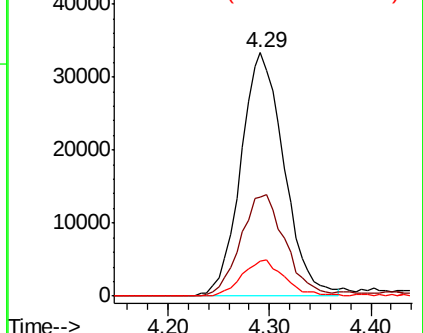
141 14.5 12.4 18.6

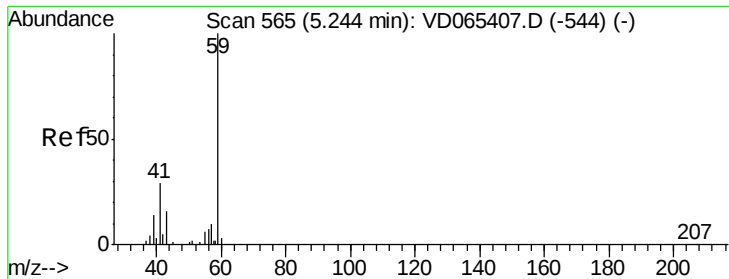


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



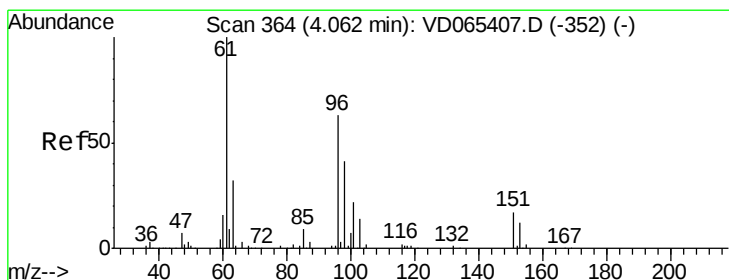
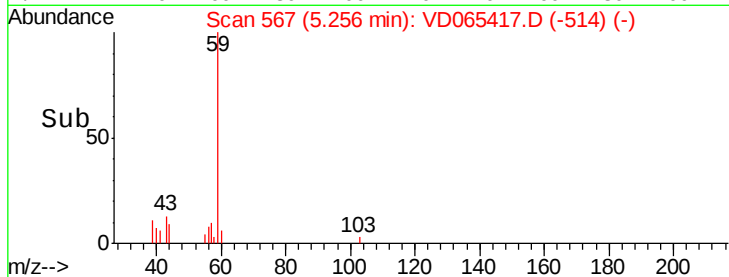
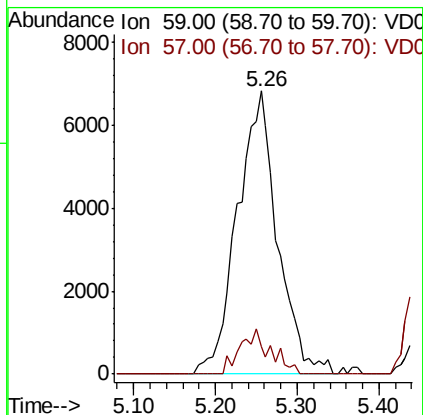
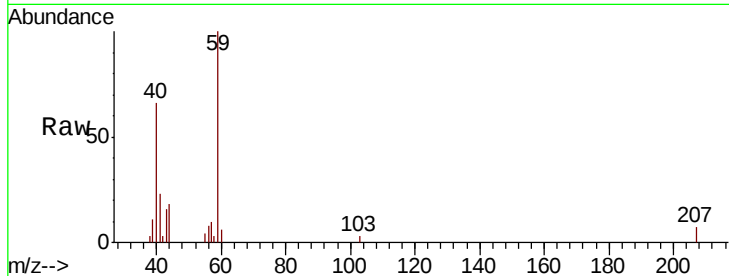


#11

Tert butyl alcohol
Concen: 98.332 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.01 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Instrument :
MSVOA_D
ClientSampleId :

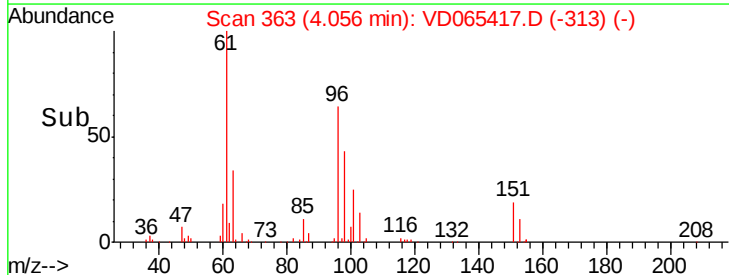
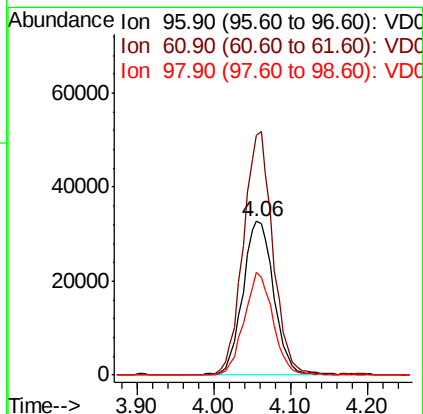
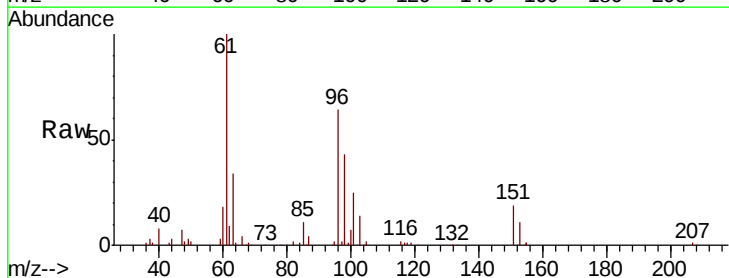
Tot Ion: 59 Resp: 23302
Ion Ratio Lower Upper
59 100
57 11.9 6.9 10.3#

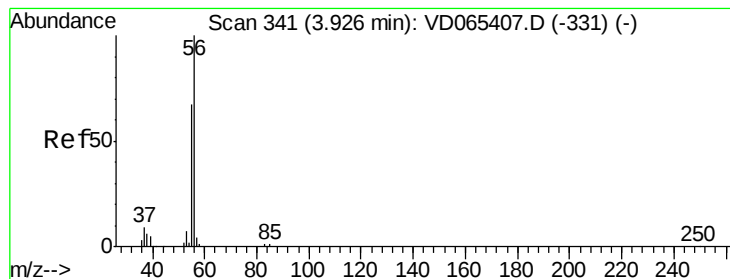


#12

1,1-Dichloroethene
Concen: 20.665 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Tgt Ion: 96 Resp: 92561
Ion Ratio Lower Upper
96 100
61 155.7 128.0 192.0
98 66.6 51.9 77.9





#13

Acrolein

Concen: 102.211 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

Instrument :

MSVOA_D

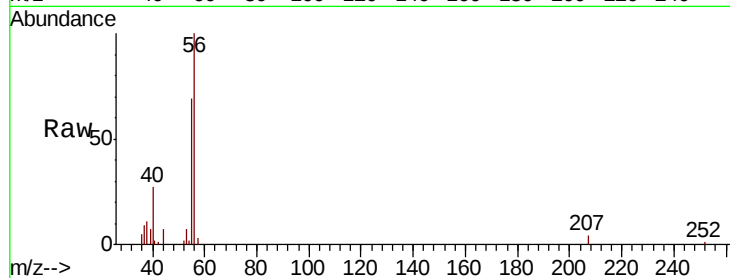
ClientSampleId :

Tot Ion: 56 Resp: 41772

Ion Ratio Lower Upper

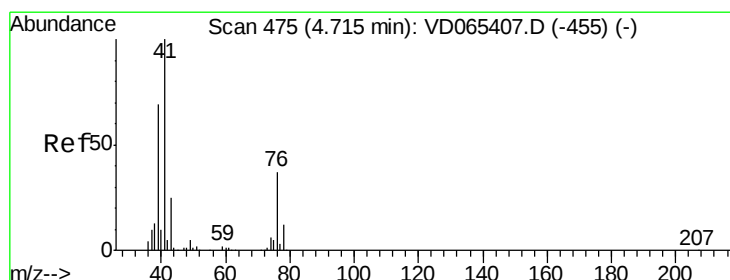
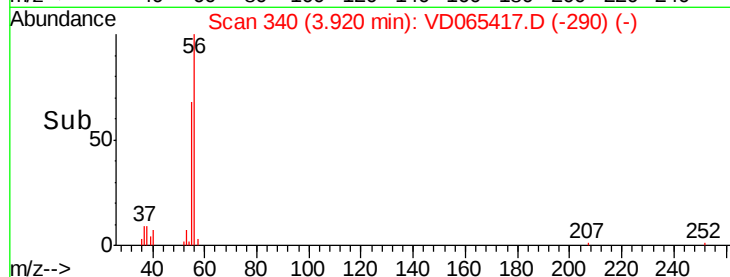
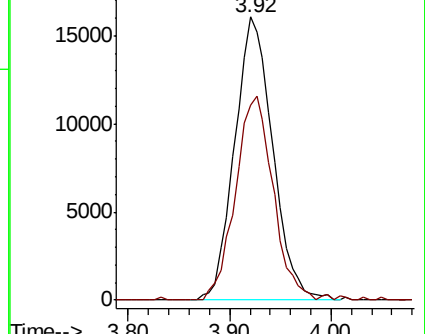
56 100

55 71.2 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: 20.355 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

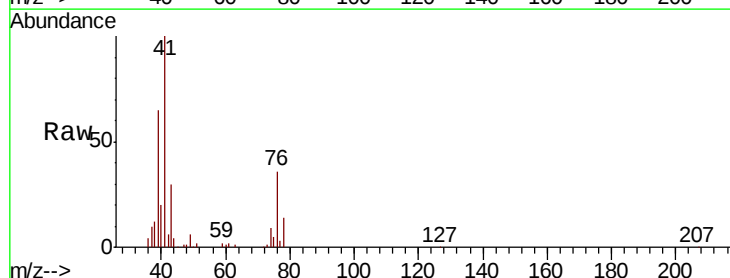
Tgt Ion: 41 Resp: 140055

Ion Ratio Lower Upper

41 100

39 65.2 52.6 79.0

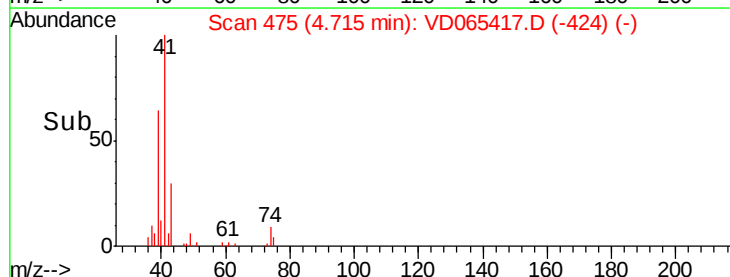
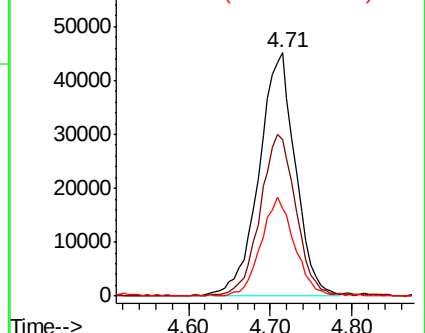
76 37.1 29.2 43.8

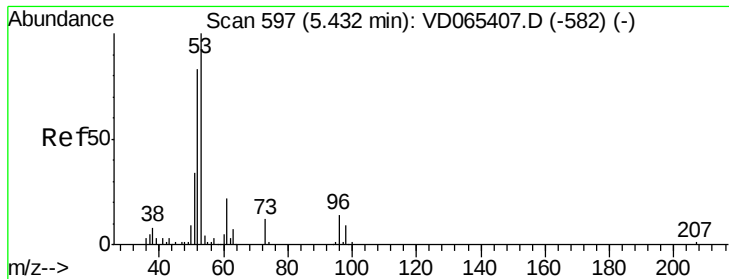


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 108.186 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

Instrument :

MSVOA_D

ClientSampleId :

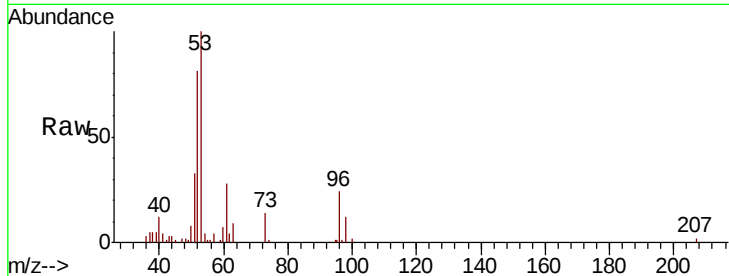
Tot Ion: 53 Resp: 101655

Ion Ratio Lower Upper

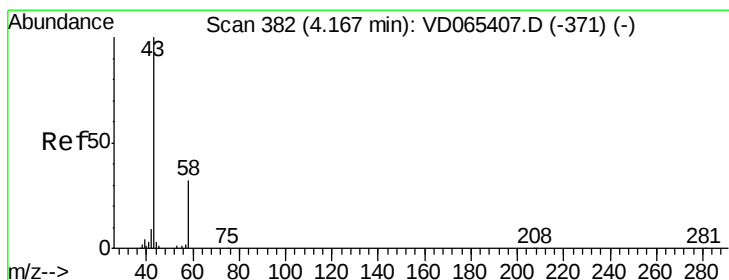
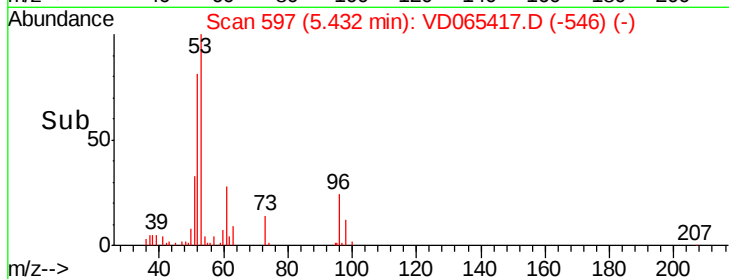
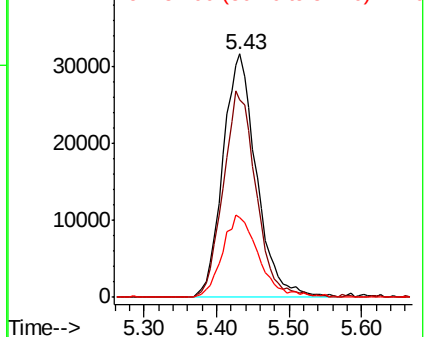
53 100

52 82.5 65.1 97.7

51 36.3 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: 98.186 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065417.D

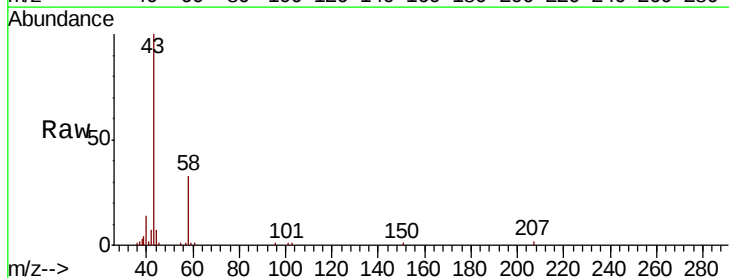
Acq: 04 Mar 2020 18:14

Tgt Ion: 43 Resp: 82037

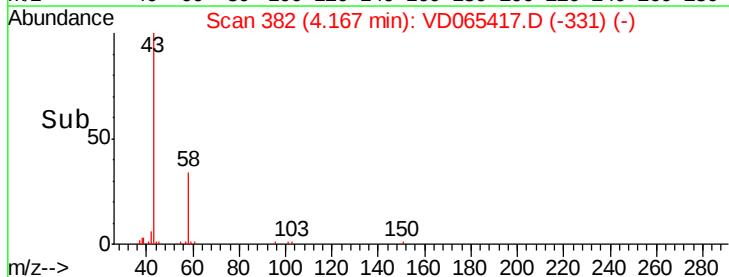
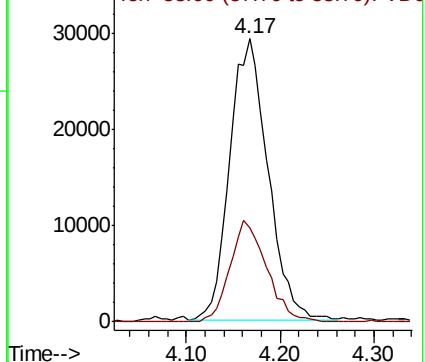
Ion Ratio Lower Upper

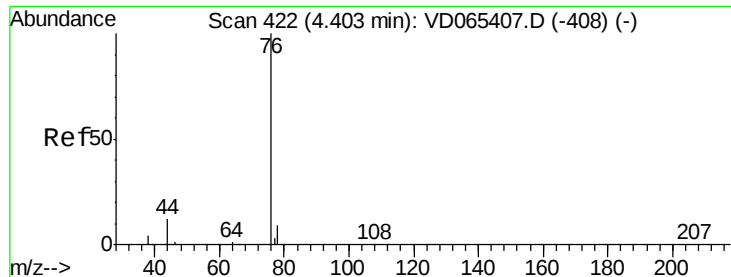
43 100

58 33.4 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: 20.471 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

Instrument :

MSVOA_D

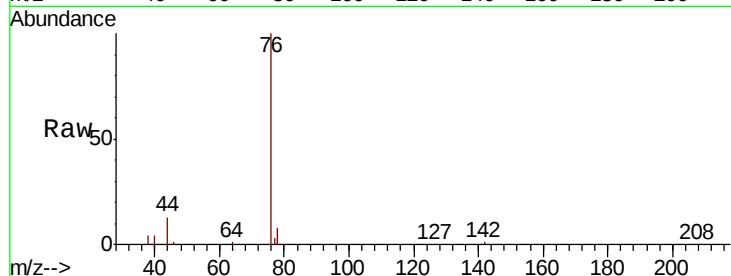
ClientSampleId :

Tot Ion: 76 Resp: 305351

Ion Ratio Lower Upper

76 100

78 8.3 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

120000

100000

80000

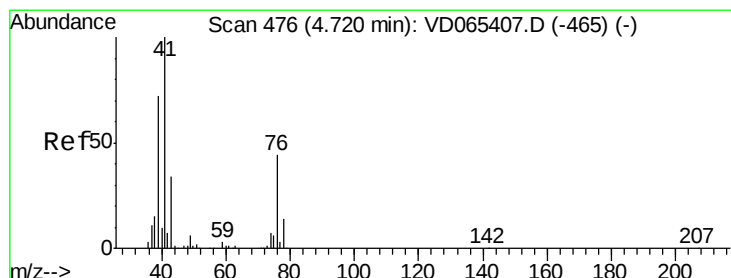
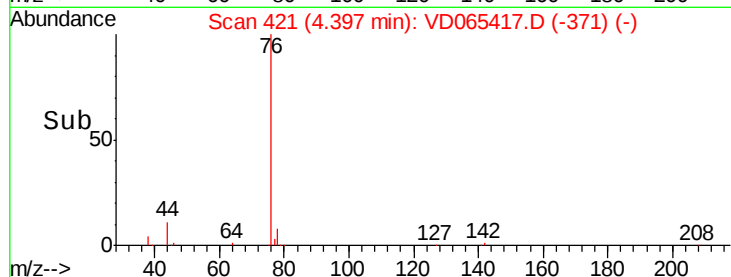
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 21.941 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD065417.D

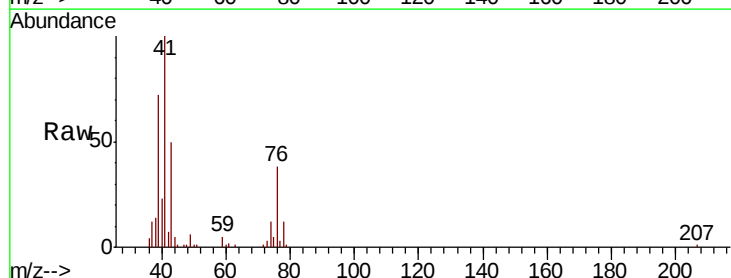
Acq: 04 Mar 2020 18:14

Tgt Ion: 43 Resp: 46503

Ion Ratio Lower Upper

43 100

74 24.8 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.73

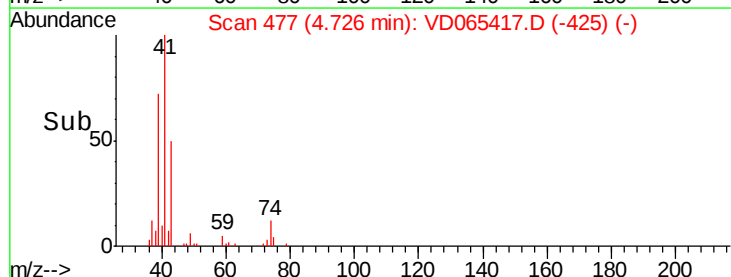
15000

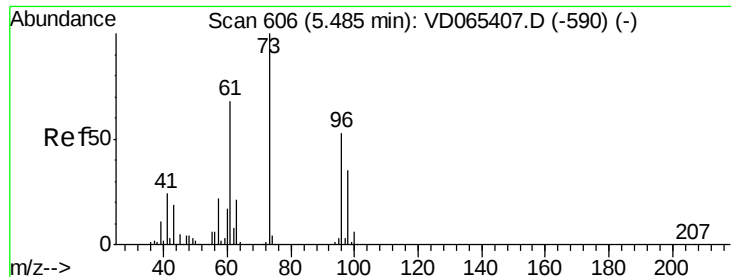
10000

5000

0

Time-->

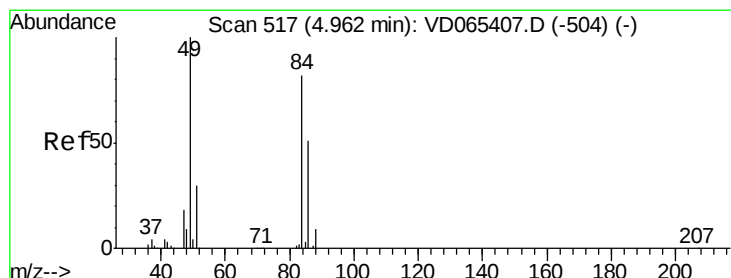
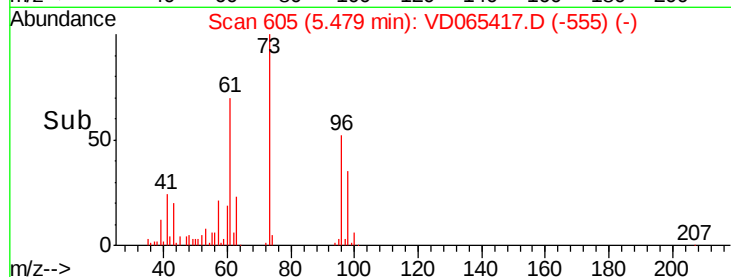
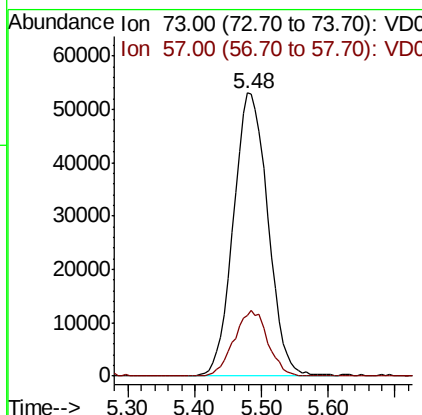
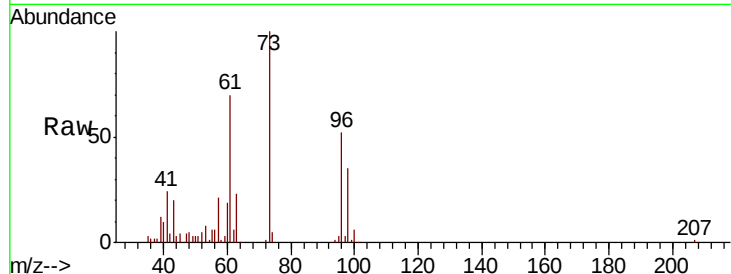




#19
Methyl tert-butyl Ether
Concen: 22.052 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

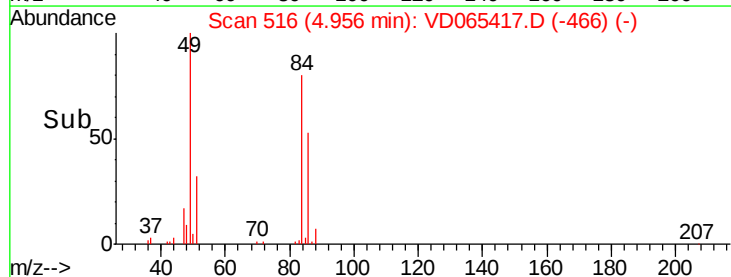
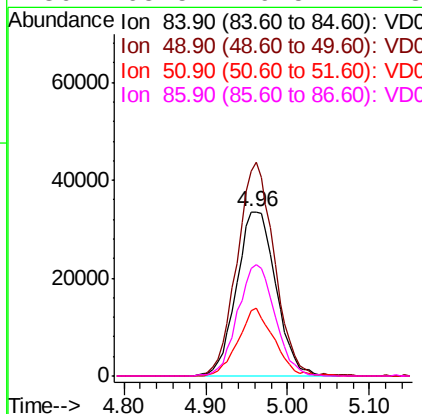
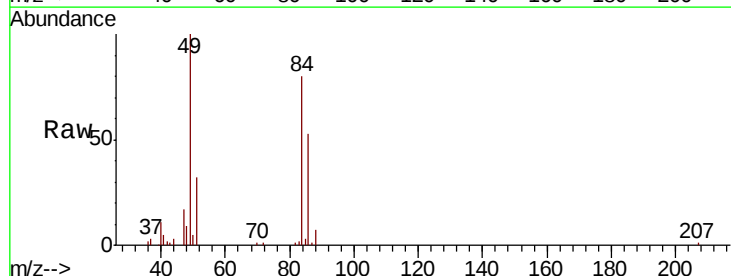
Instrument :
MSVOA_D
ClientSampleId :

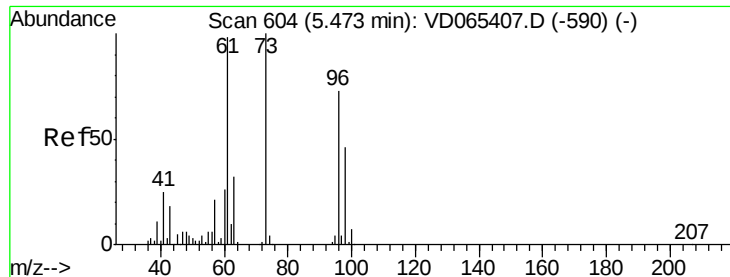
Tot Ion: 73 Resp: 189944
Ion Ratio Lower Upper
73 100
57 21.4 17.3 25.9



#20
Methylene Chloride
Concen: 22.880 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Tgt Ion: 84 Resp: 112317
Ion Ratio Lower Upper
84 100
49 124.6 97.7 146.5
51 39.7 28.8 43.2
86 65.5 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 20.573 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

Instrument :

MSVOA_D

ClientSampleId :

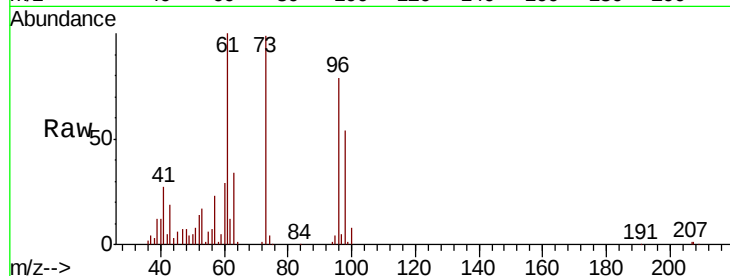
Tot Ion: 96 Resp: 102507

Ion Ratio Lower Upper

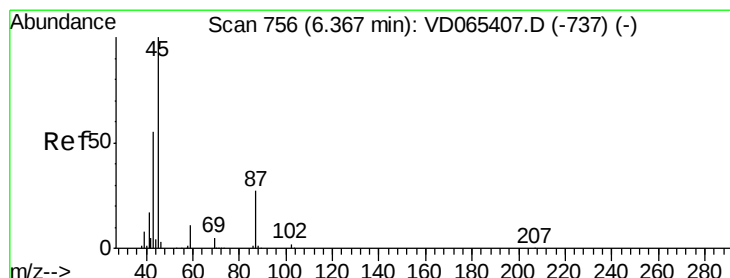
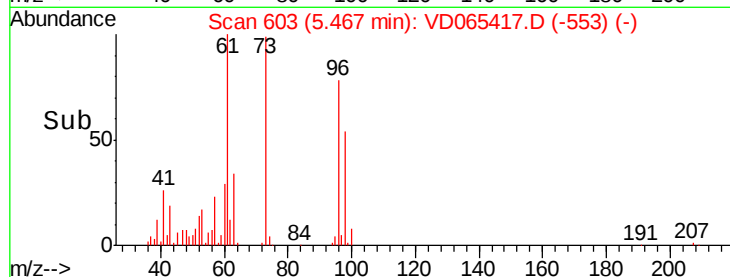
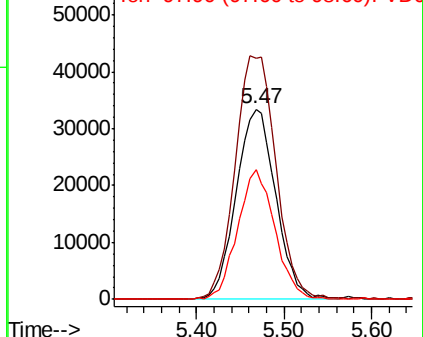
96 100

61 126.8 106.3 159.5

98 68.1 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: 23.129 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.00 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

Tgt Ion: 45 Resp: 295846

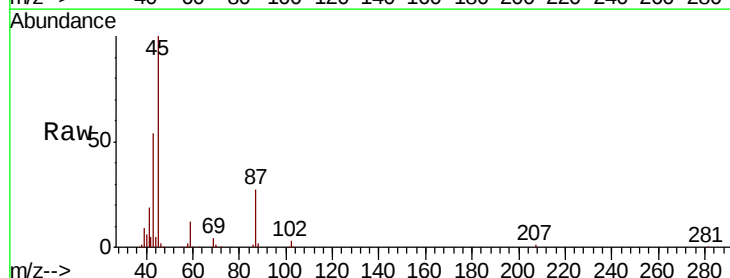
Ion Ratio Lower Upper

45 100

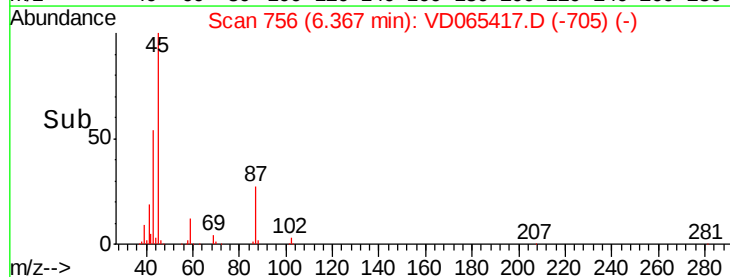
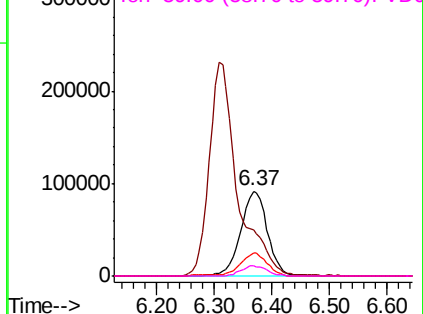
43 53.6 44.4 66.6

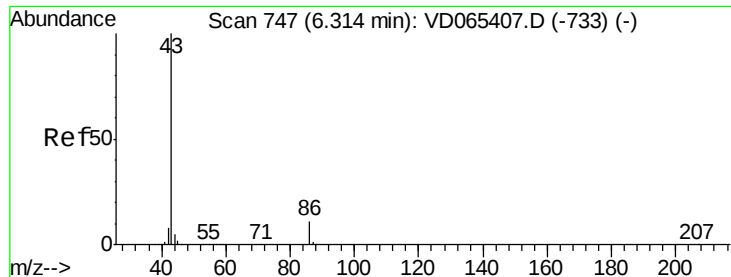
87 27.2 21.9 32.9

59 11.5 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: 110.618 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

Instrument :

MSVOA_D

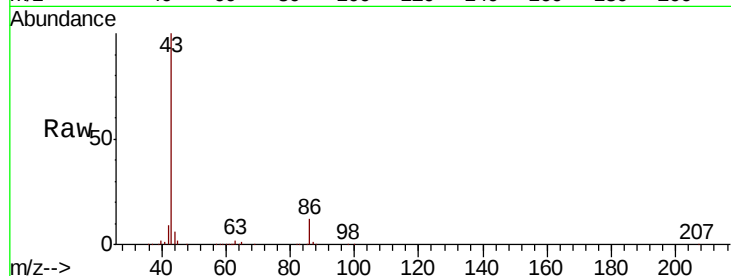
ClientSampled :

Tot Ion: 43 Resp: 785621

Ion Ratio Lower Upper

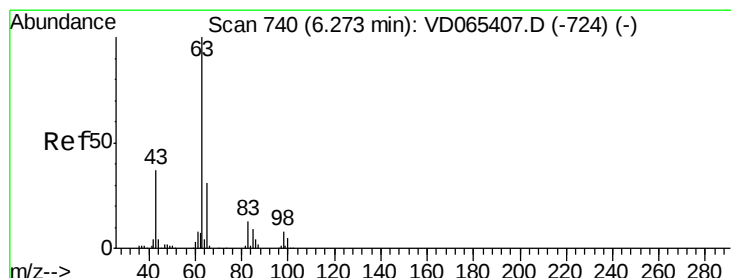
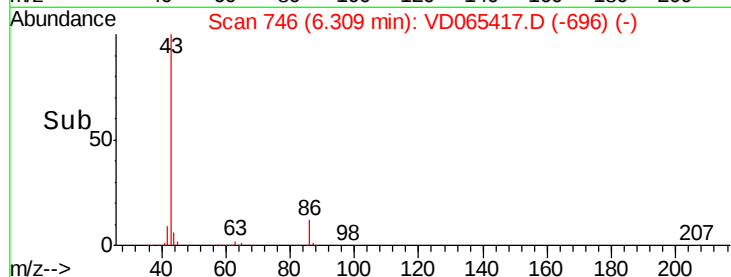
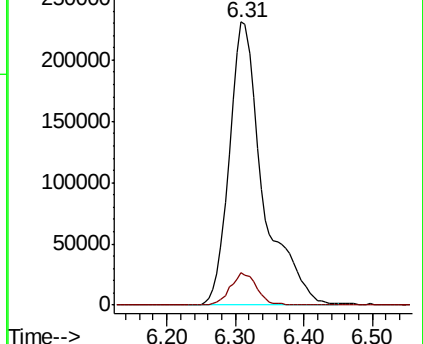
43 100

86 11.7 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: 21.103 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

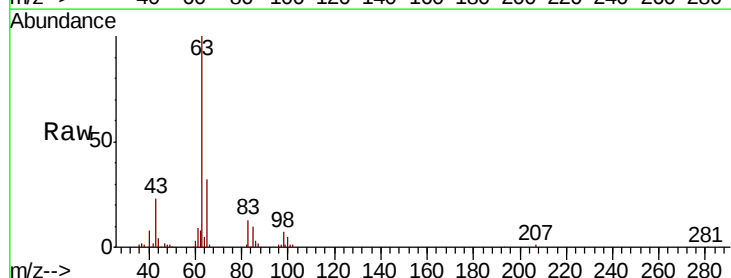
Tgt Ion: 63 Resp: 173135

Ion Ratio Lower Upper

63 100

98 7.1 4.2 12.6

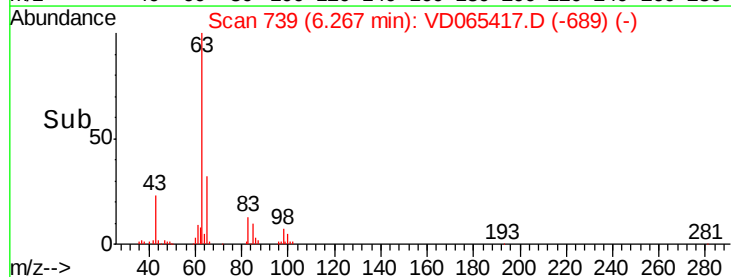
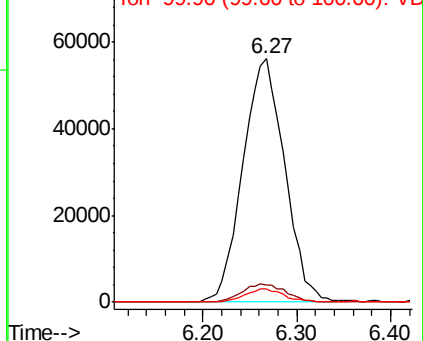
100 5.5 2.4 7.2

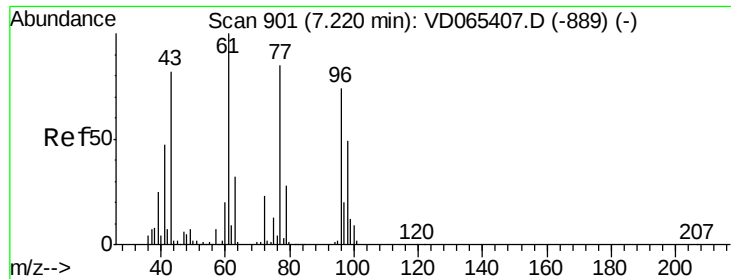


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 103.673 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

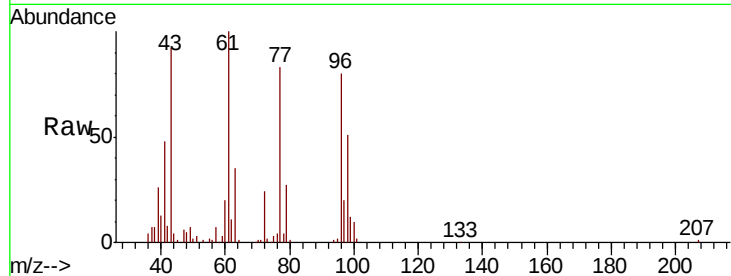
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 118208

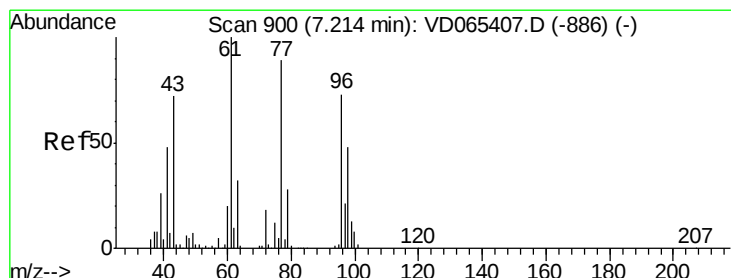
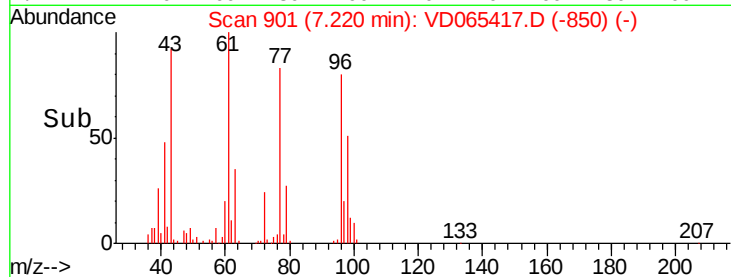
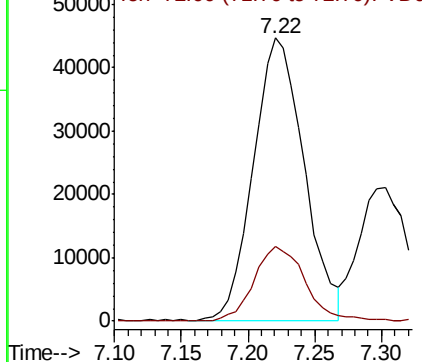
Ion Ratio Lower Upper

43 100

72 26.3 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: 19.754 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065417.D

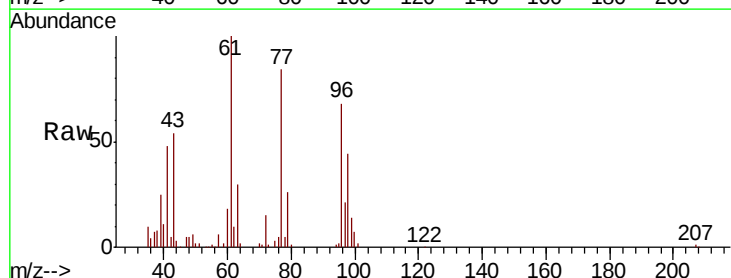
Acq: 04 Mar 2020 18:14

Tgt Ion: 77 Resp: 141626

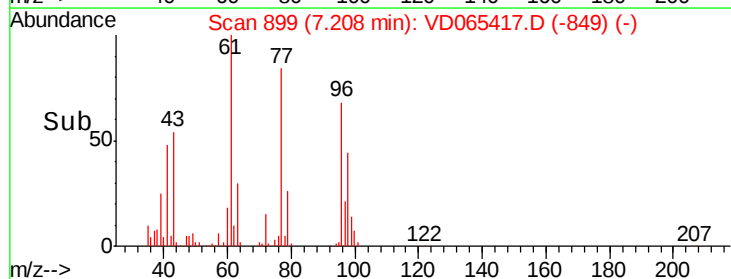
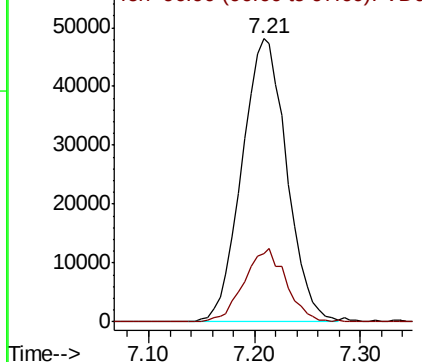
Ion Ratio Lower Upper

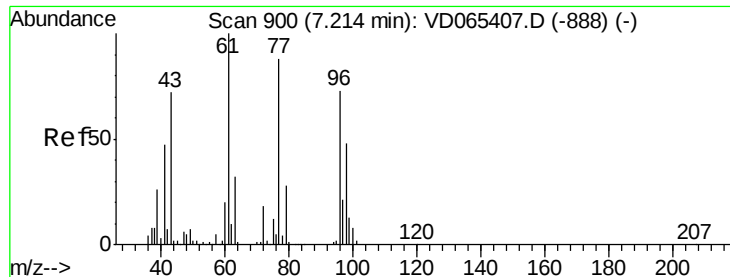
77 100

97 24.3 11.8 35.4



Abundance Ion 76.90 (76.60 to 77.60): VDC
Ion 96.90 (96.60 to 97.60): VDC



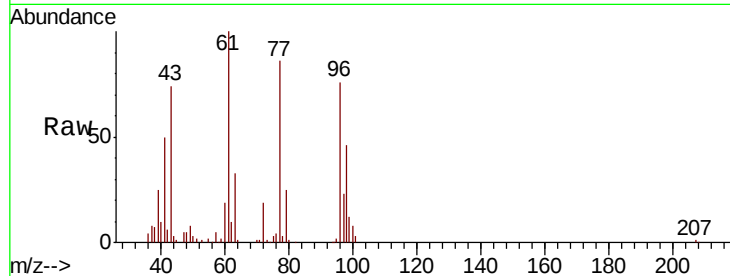


#27

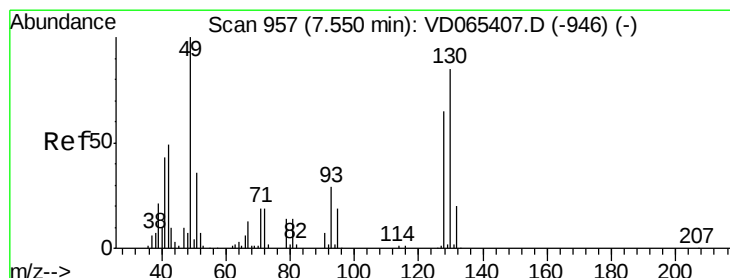
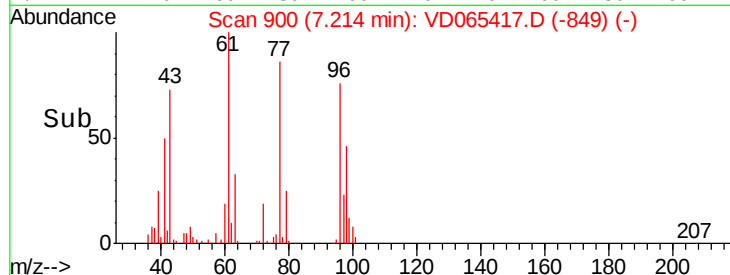
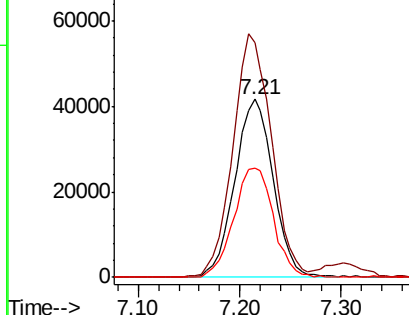
cis-1,2-Dichloroethene
Concen: 21.543 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	96	Resp	109717
Ion	Ratio	Lower	Upper
96	100		
61	137.2	0.0	280.4
98	63.2	0.0	132.6



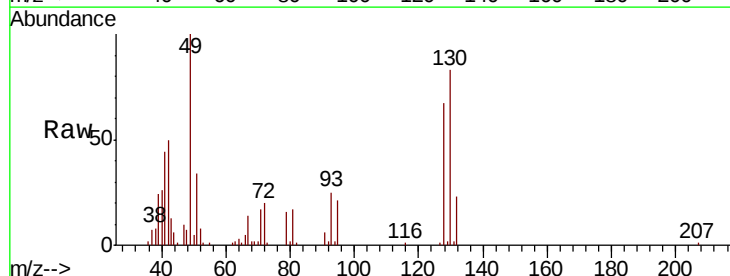
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



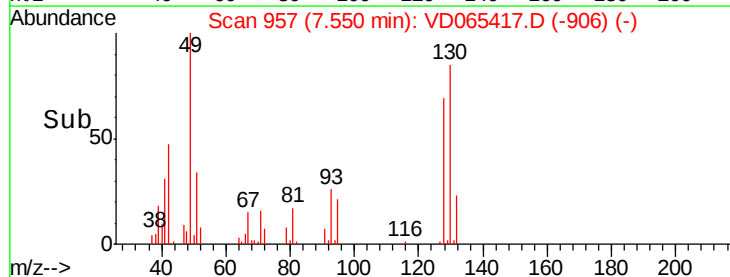
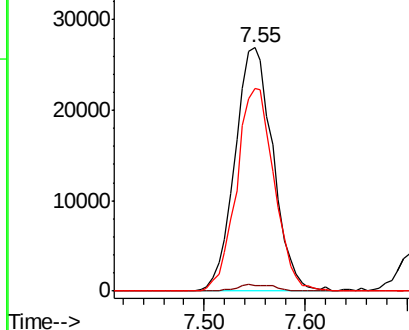
#28

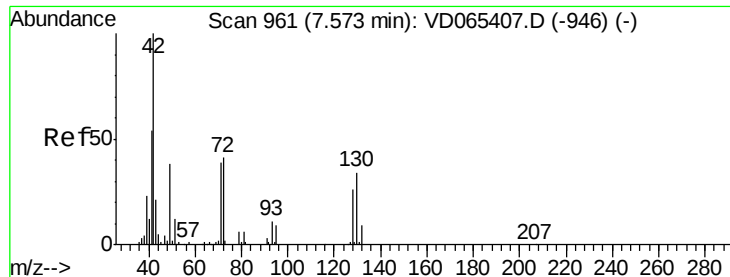
Bromochloromethane
Concen: 21.366 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Tgt Ion	49	Resp	70133
Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.6
130	82.2	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

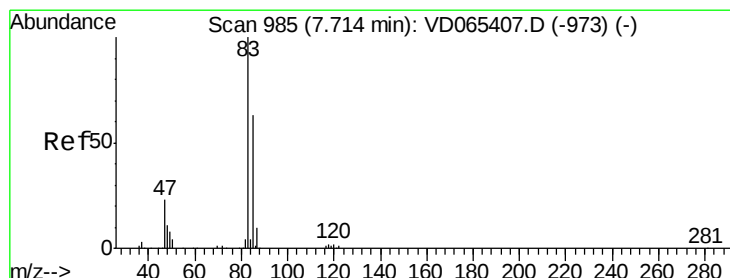
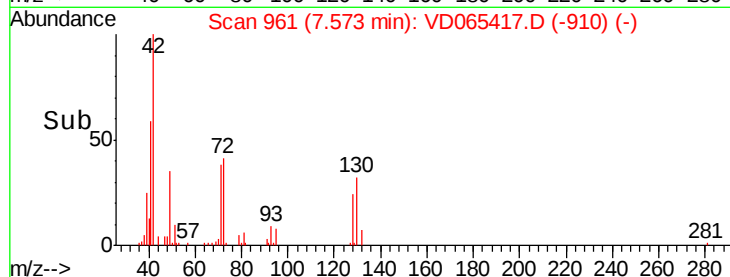
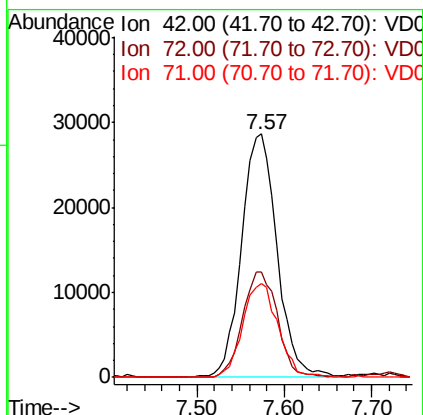
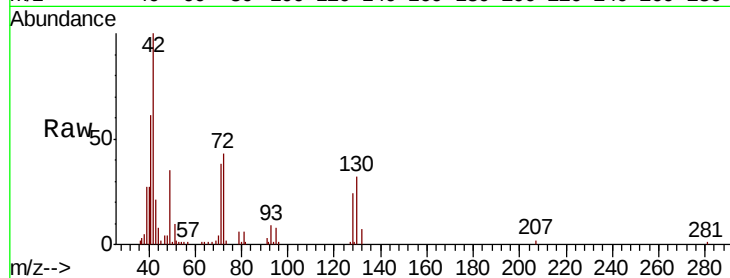




#29
Tetrahydrofuran
Concen: 108.487 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

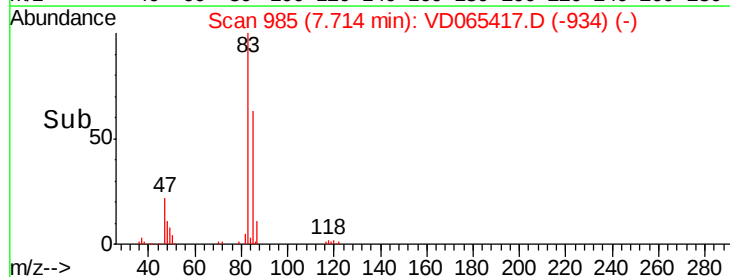
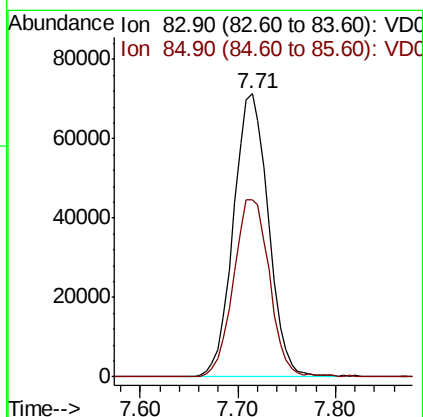
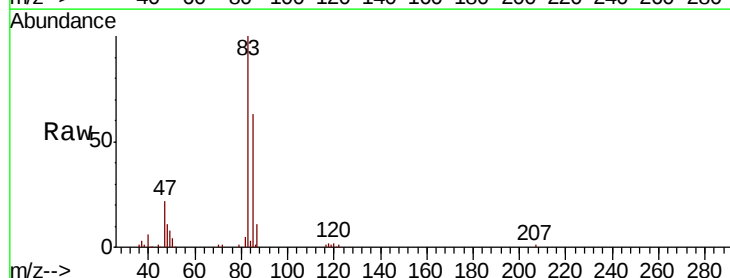
Instrument :
MSVOA_D
ClientSampleId :

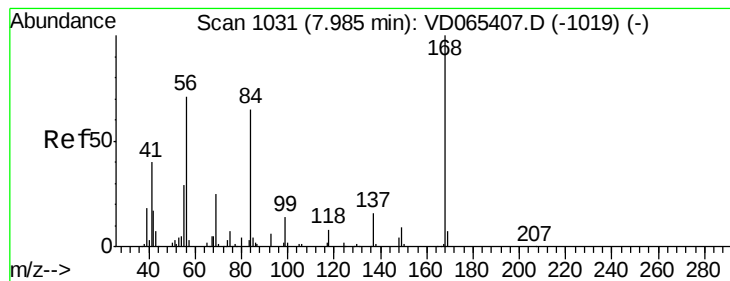
Tot Ion: 42 Resp: 78994
Ion Ratio Lower Upper
42 100
72 42.4 33.0 49.6
71 38.4 32.0 48.0



#30
Chloroform
Concen: 21.748 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Tgt Ion: 83 Resp: 178339
Ion Ratio Lower Upper
83 100
85 62.7 50.3 75.5





#31

Cyclohexane

Concen: 19.842 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

Instrument :
MSVOA_D
ClientSampled :

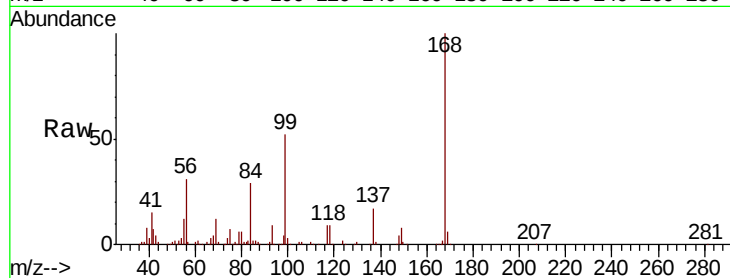
Tot Ion: 56 Resp: 162777

Ion Ratio Lower Upper

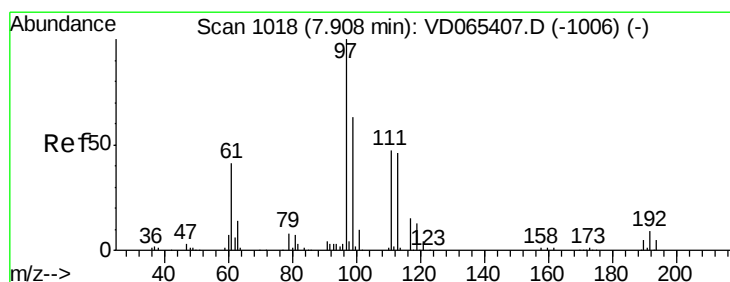
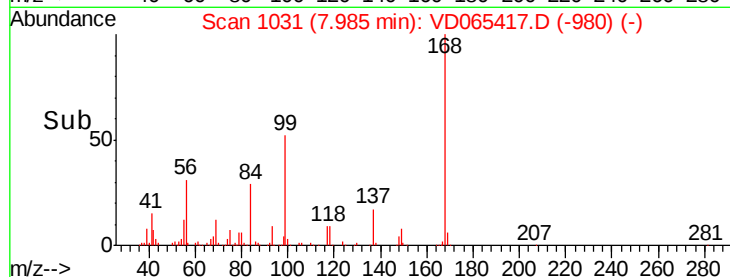
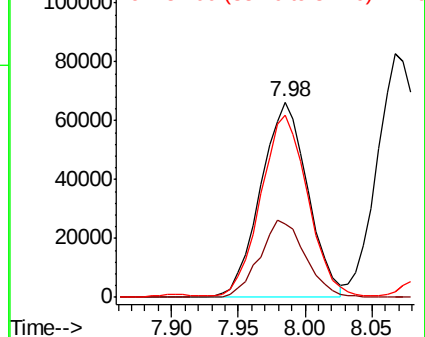
56 100

69 37.3 28.3 42.5

84 92.3 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: 20.508 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

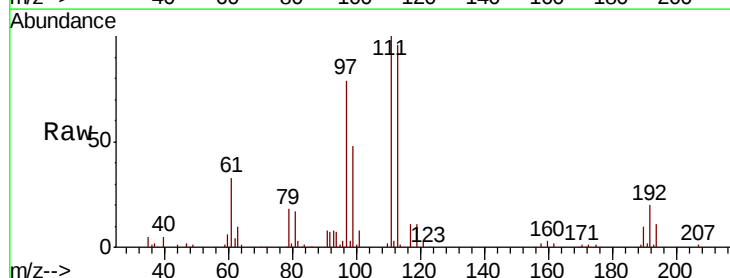
Tgt Ion: 97 Resp: 155408

Ion Ratio Lower Upper

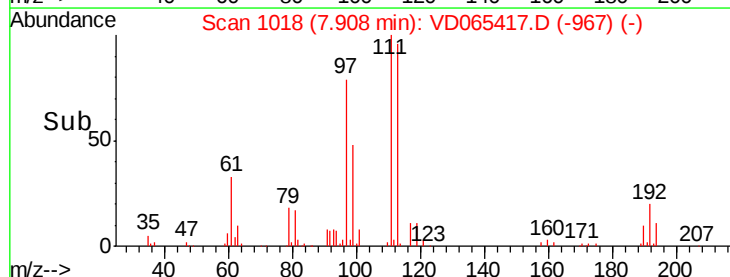
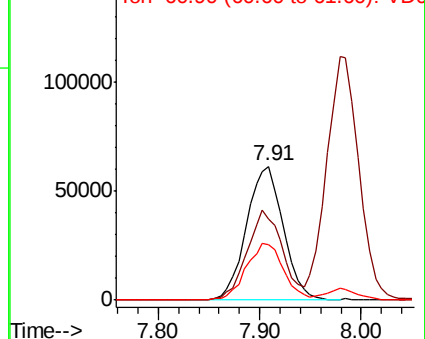
97 100

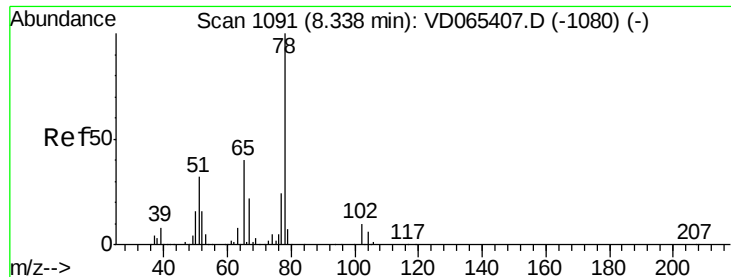
99 65.1 50.9 76.3

61 42.7 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: 51.830 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

Instrument :

MSVOA_D

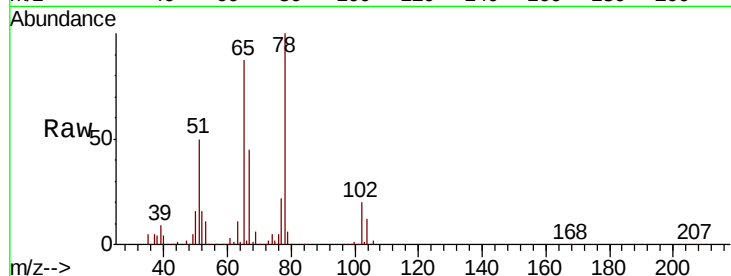
ClientSampleId :

Tot Ion: 65 Resp: 214127

Ion Ratio Lower Upper

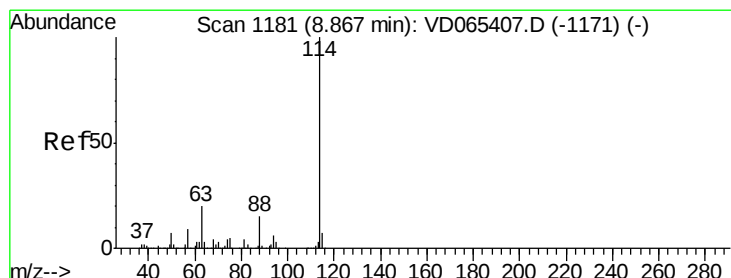
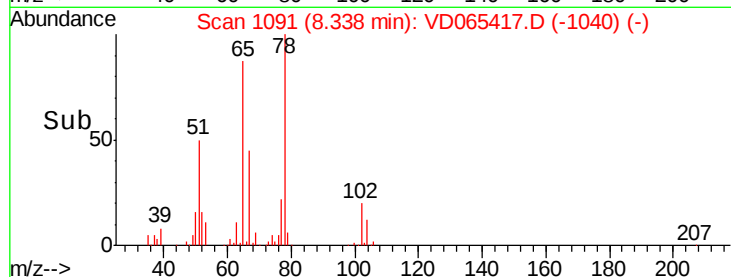
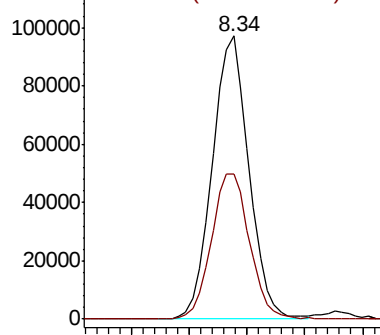
65 100

67 53.5 0.0 108.0



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

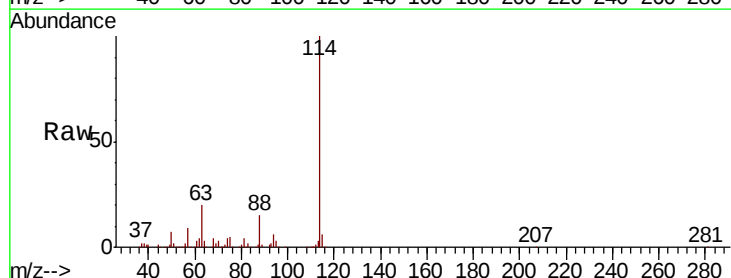
Tgt Ion: 114 Resp: 717155

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.6

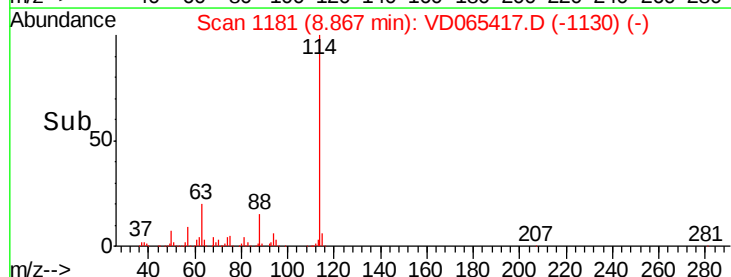
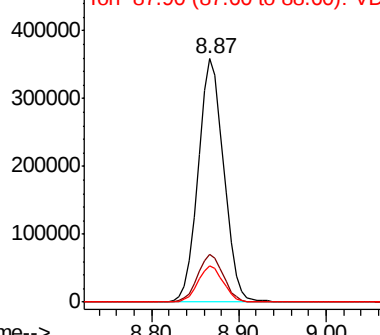
88 14.7 0.0 30.4

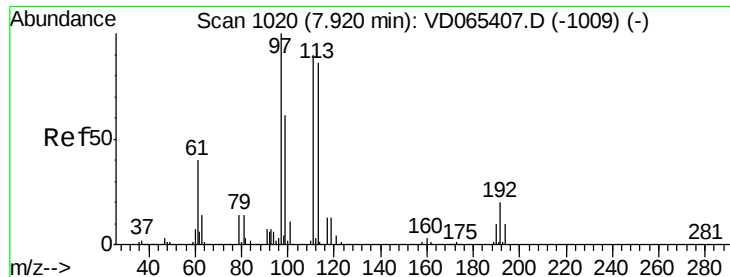


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

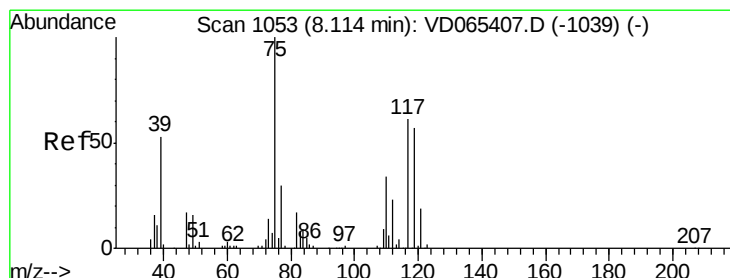
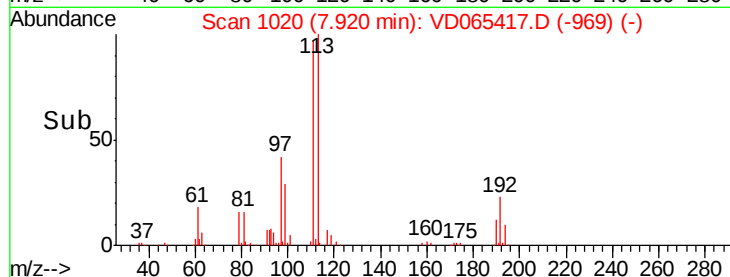
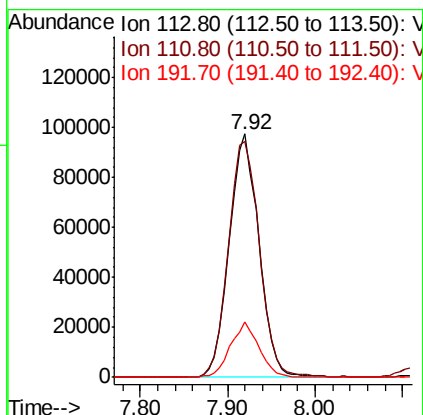
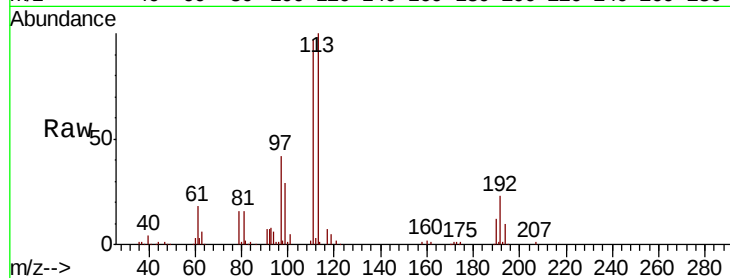




#35
 Dibromofluoromethane
 Concen: 50.713 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065417.D
 Acq: 04 Mar 2020 18:14

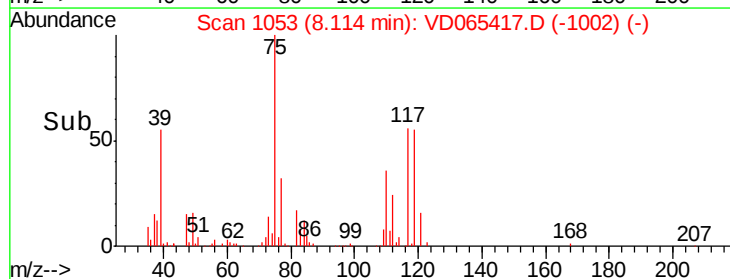
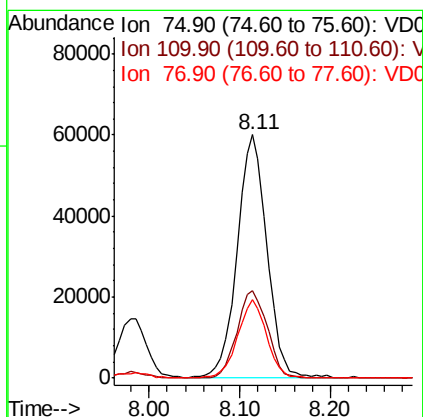
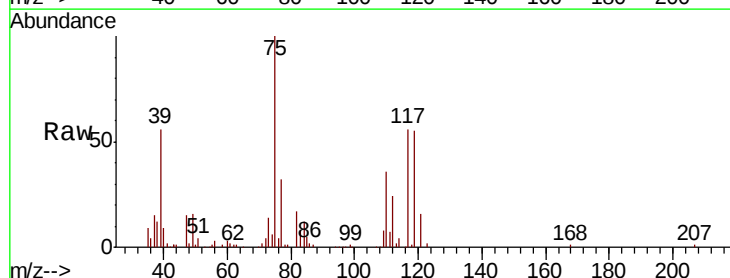
Instrument :
 MSVOA_D
 ClientSampleId :

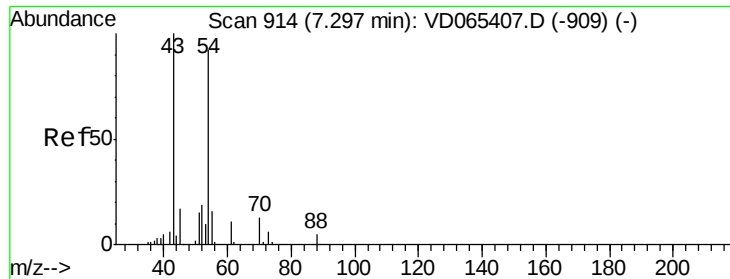
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.1	123.1
192	21.8	17.2	25.8



#36
 1,1-Dichloropropene
 Concen: 19.805 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065417.D
 Acq: 04 Mar 2020 18:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.8	18.1	54.1
77	31.4	25.2	37.8

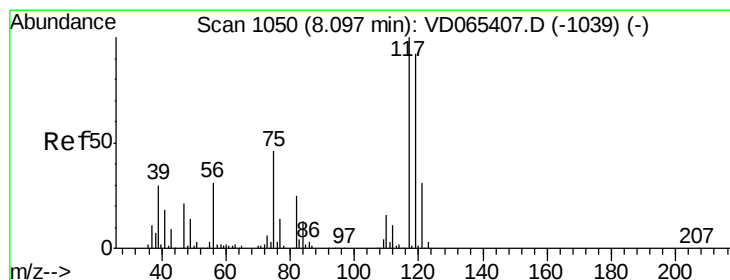
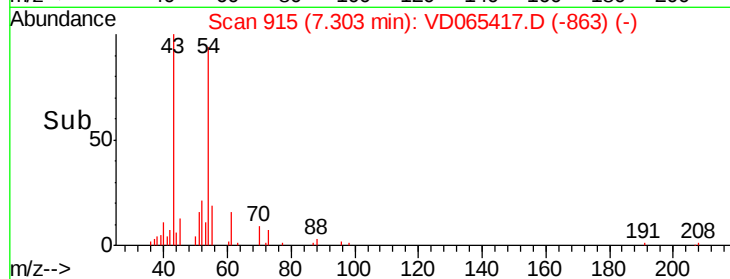
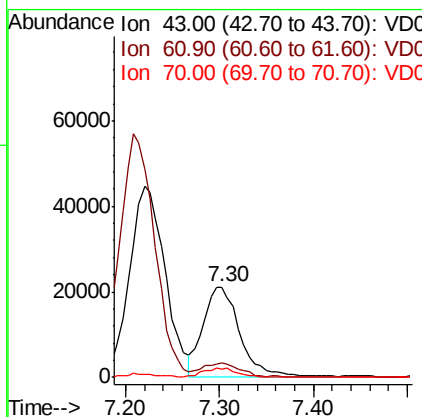
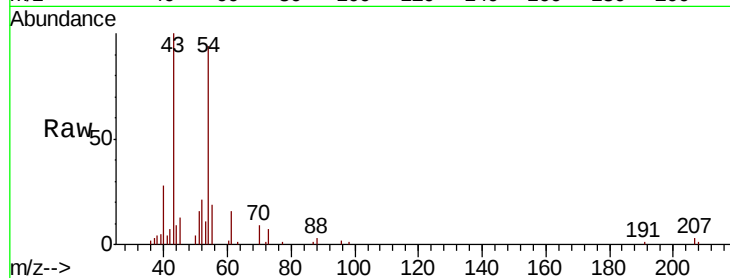




#37
Ethyl Acetate
Concen: 21.245 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

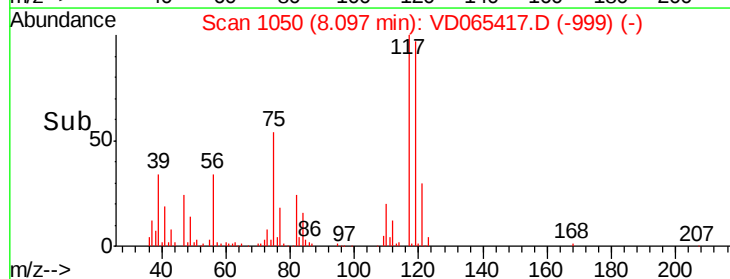
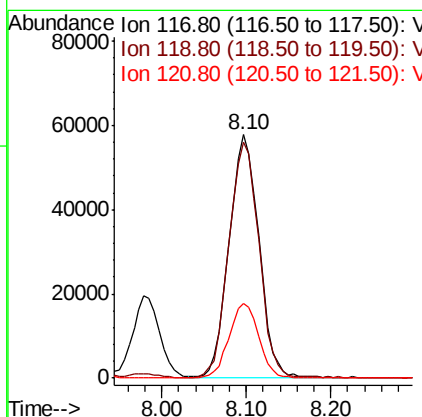
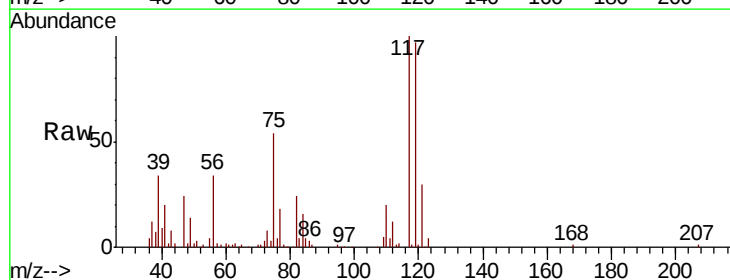
Instrument :
MSVOA_D
ClientSampleId :

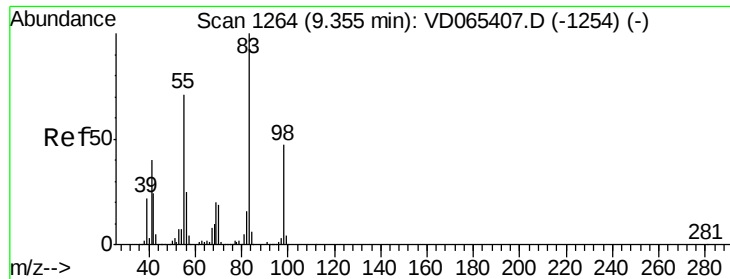
Tot Ion: 43 Resp: 56449
Ion Ratio Lower Upper
43 100
61 16.7 11.4 17.0
70 9.8 9.0 13.4



#38
Carbon Tetrachloride
Concen: 19.821 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Tgt Ion: 117 Resp: 141292
Ion Ratio Lower Upper
117 100
119 96.8 73.3 109.9
121 30.4 25.0 37.4

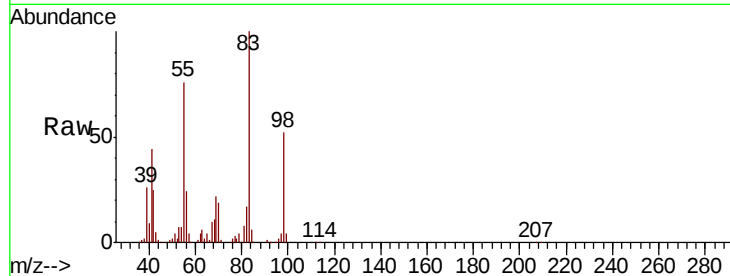




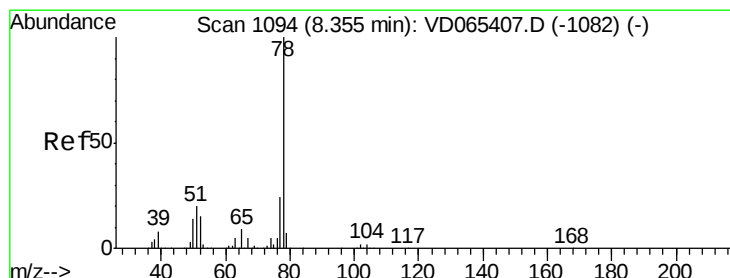
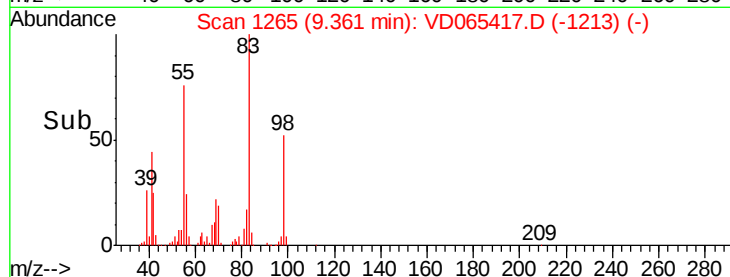
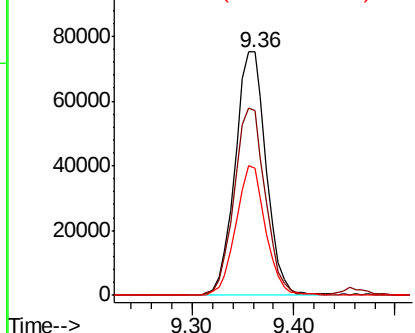
#39
Methvlcvclohexane
Concen: 19.247 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 159800
Ion Ratio Lower Upper
83 100
55 75.8 57.1 85.7
98 52.4 37.8 56.8

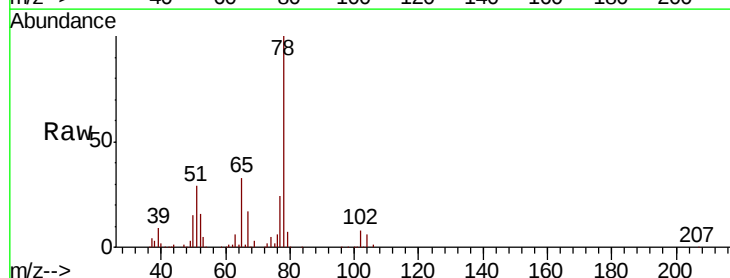


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

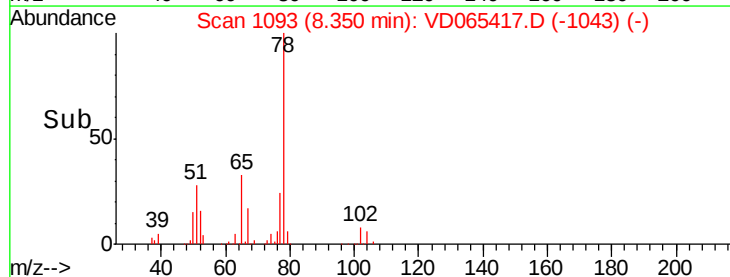
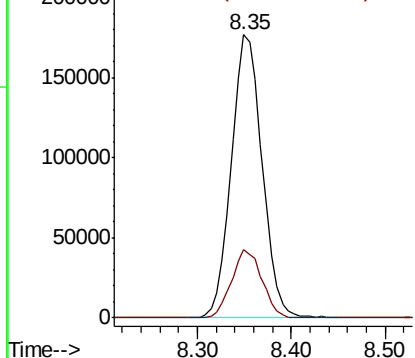


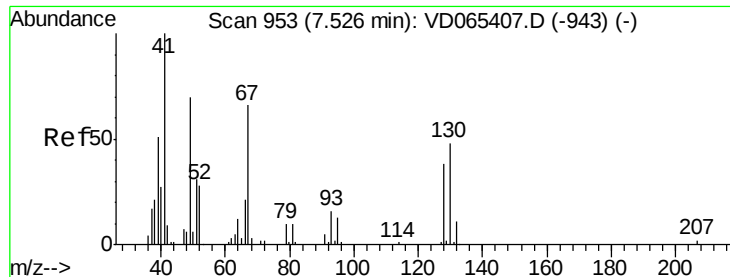
#40
Benzene
Concen: 20.933 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Tgt Ion: 78 Resp: 402333
Ion Ratio Lower Upper
78 100
77 24.1 19.4 29.0



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC

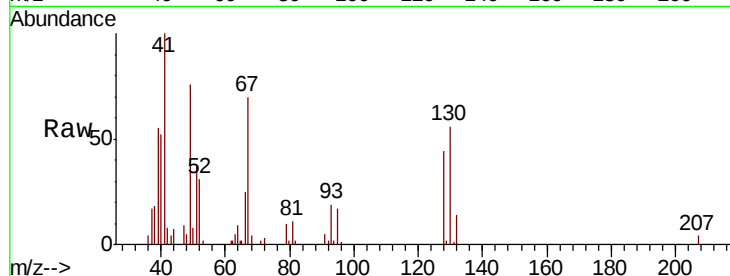




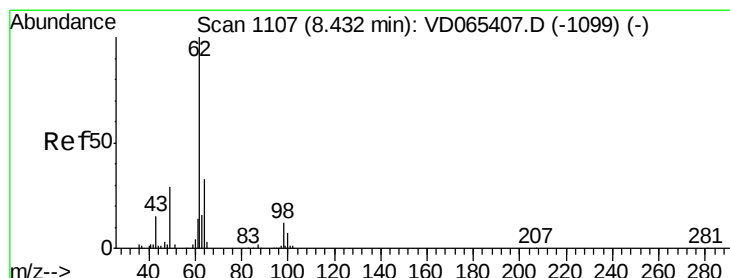
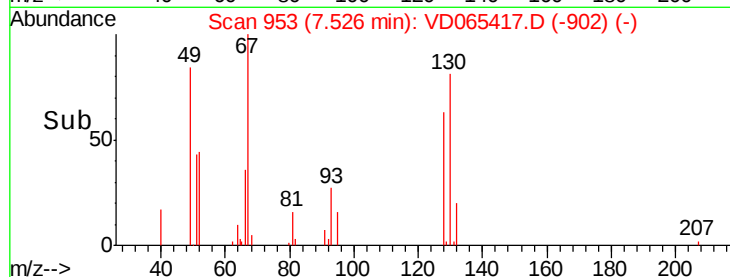
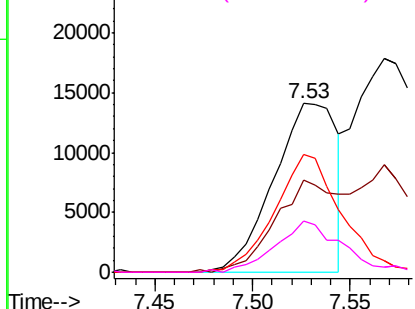
#41
Methacrylonitrile
Concen: 22.595 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 41 Resp: 31750
Ion Ratio Lower Upper
41 100
39 52.3 55.0 82.6#
67 73.2 70.3 105.5
52 31.7 30.7 46.1

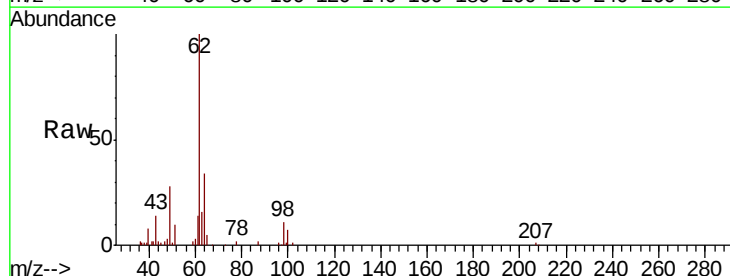


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

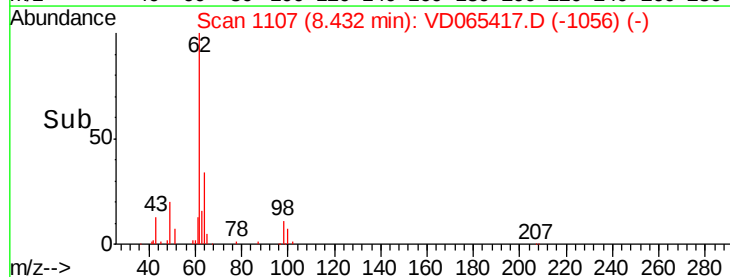
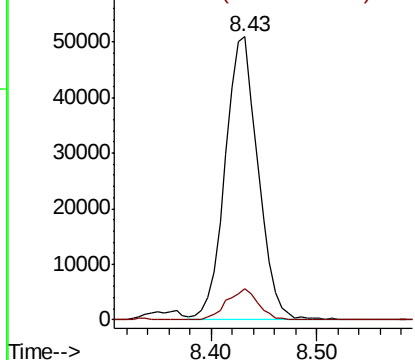


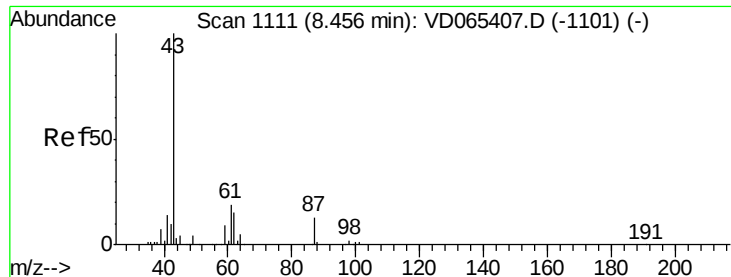
#42
1,2-Dichloroethane
Concen: 21.880 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Tgt Ion: 62 Resp: 109816
Ion Ratio Lower Upper
62 100
98 10.5 0.0 21.4



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





#43

Isopropyl Acetate

Concen: 21.035 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

Instrument :

MSVOA_D

ClientSampleId :

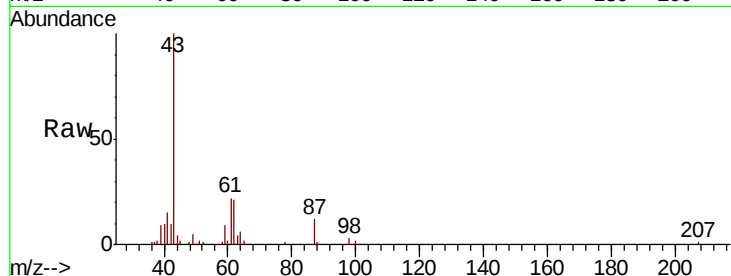
Tot Ion: 43 Resp: 103199

Ion Ratio Lower Upper

43 100

61 32.2 25.0 37.6

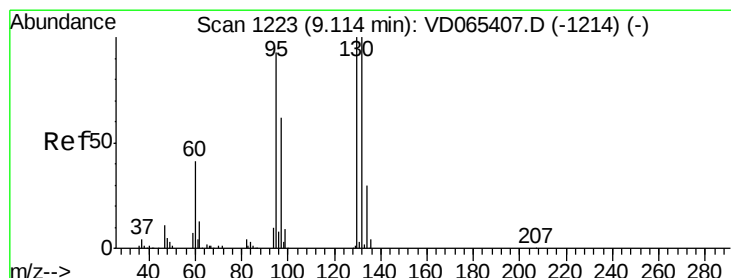
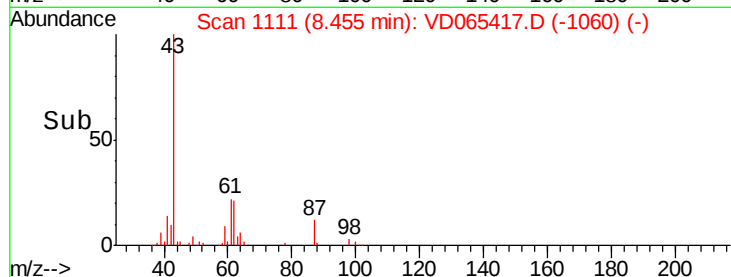
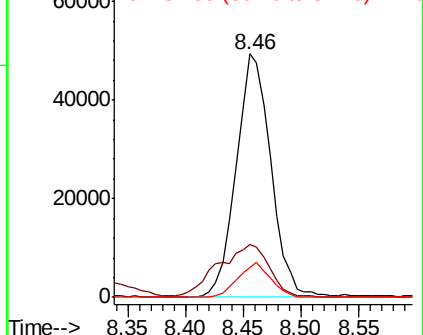
87 13.4 11.0 16.4



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: 20.361 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065417.D

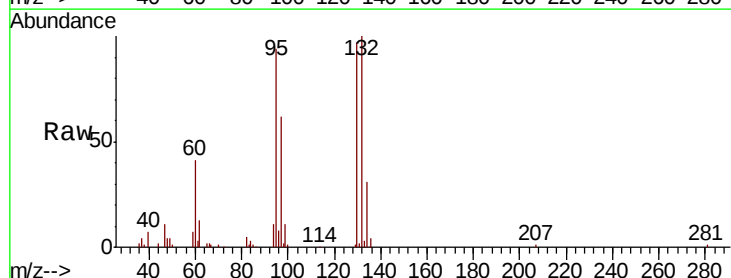
Acq: 04 Mar 2020 18:14

Tgt Ion:130 Resp: 110518

Ion Ratio Lower Upper

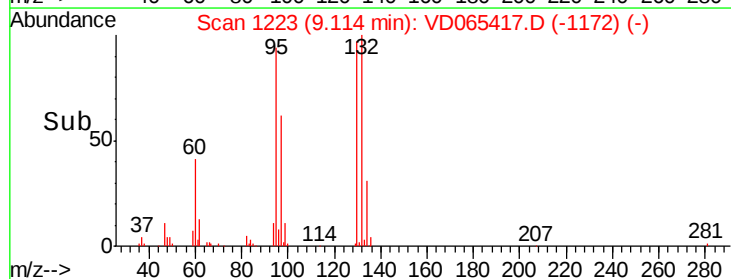
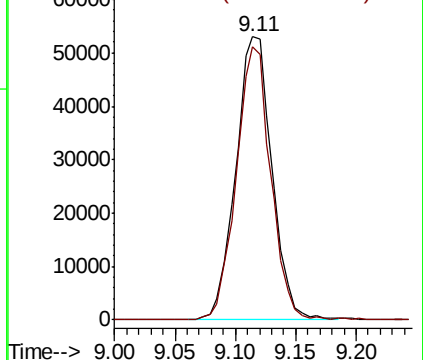
130 100

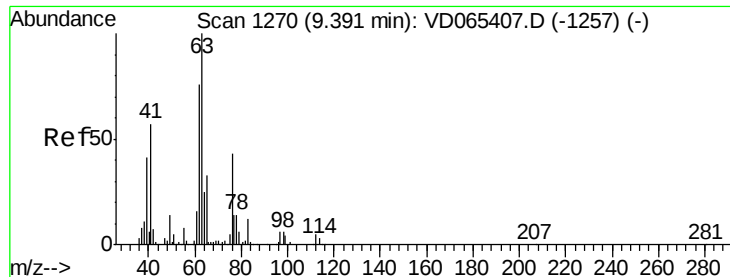
95 96.4 0.0 186.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

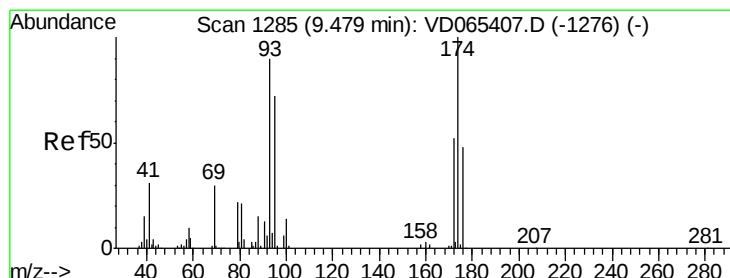
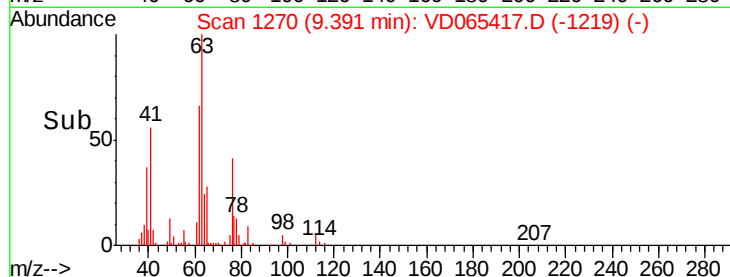
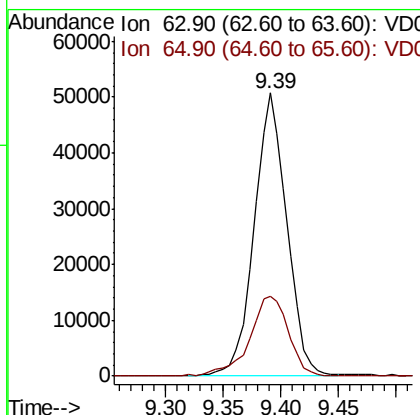
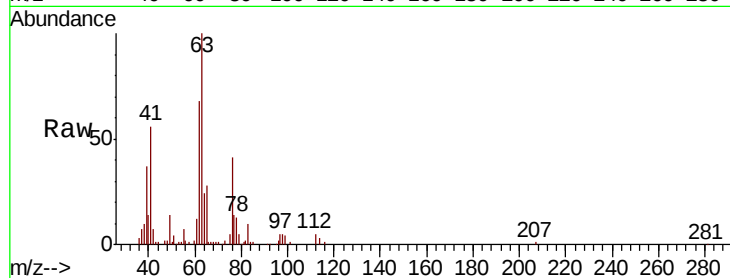




#45
 1,2-Dichloropropane
 Concen: 21.458 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065417.D
 Acq: 04 Mar 2020 18:14

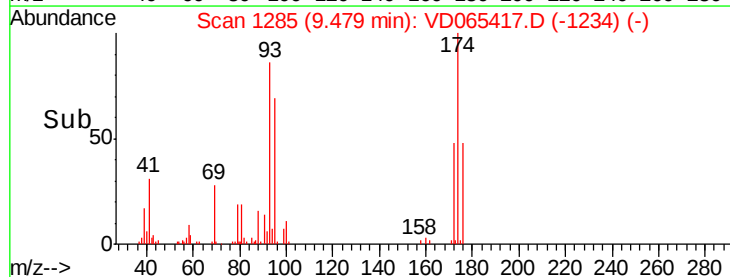
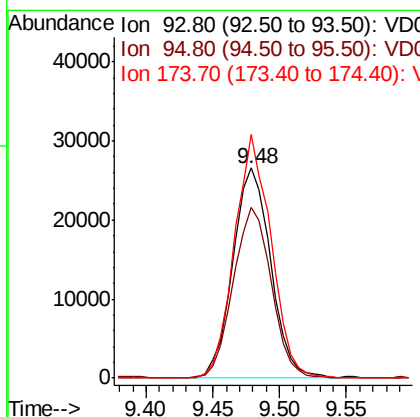
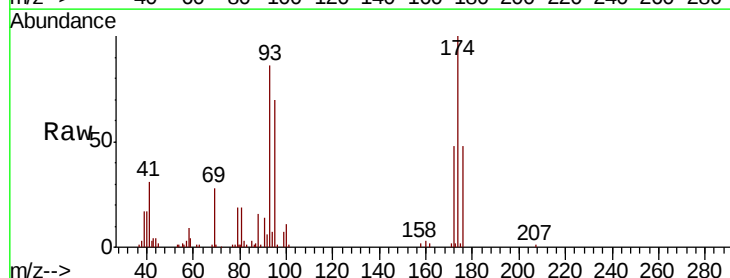
Instrument :
 MSVOA_D
 ClientSampleId :

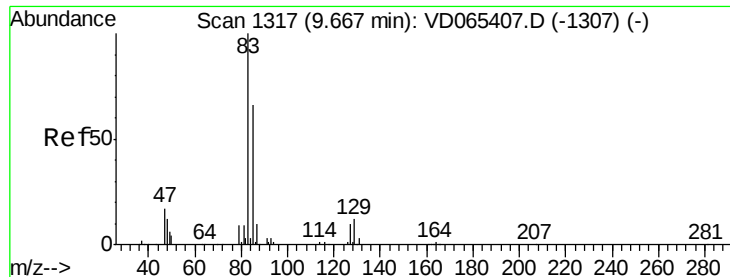
Tot Ion: 63 Resp: 99903
 Ion Ratio Lower Upper
 63 100
 65 28.0 26.4 39.6



#46
 Dibromomethane
 Concen: 21.638 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065417.D
 Acq: 04 Mar 2020 18:14

Tgt Ion: 93 Resp: 52257
 Ion Ratio Lower Upper
 93 100
 95 81.7 65.0 97.6
 174 111.9 88.3 132.5





#47

Bromodichloromethane

Concen: 21.535 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

Instrument :

MSVOA_D

ClientSampleId :

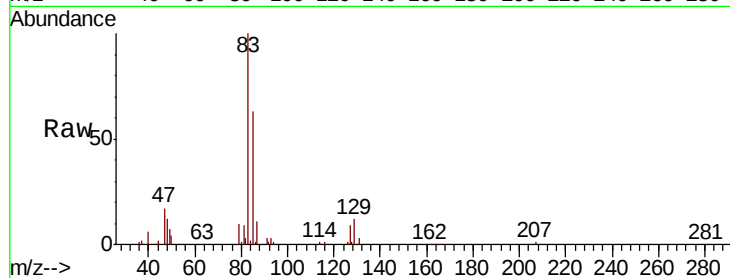
Tot Ion: 83 Resp: 135300

Ion Ratio Lower Upper

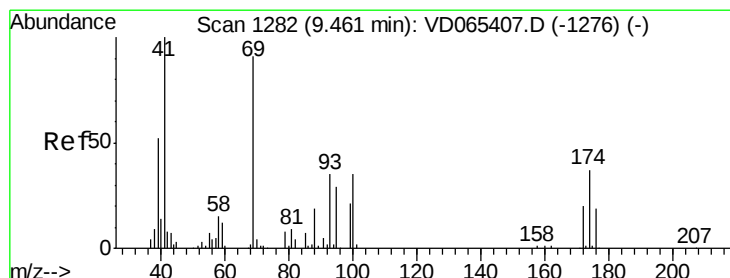
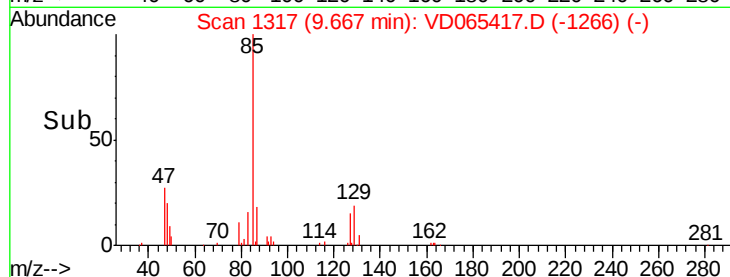
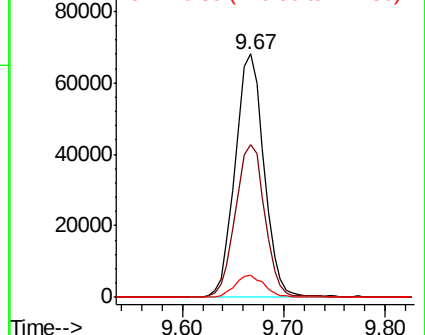
83 100

85 62.5 52.8 79.2

127 9.1 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: 20.869 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

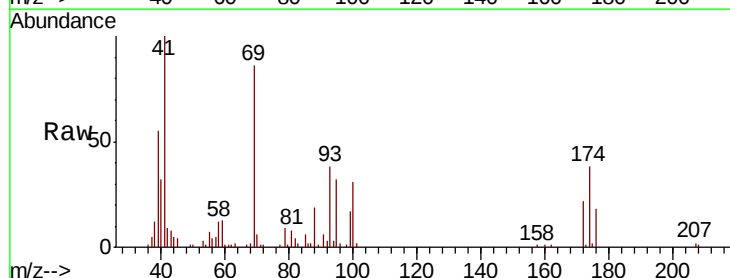
Tgt Ion: 41 Resp: 48161

Ion Ratio Lower Upper

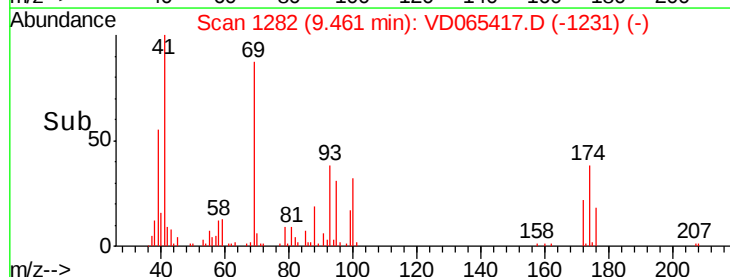
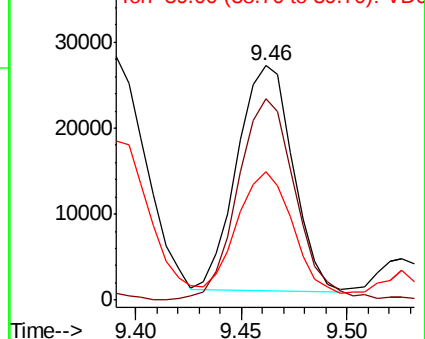
41 100

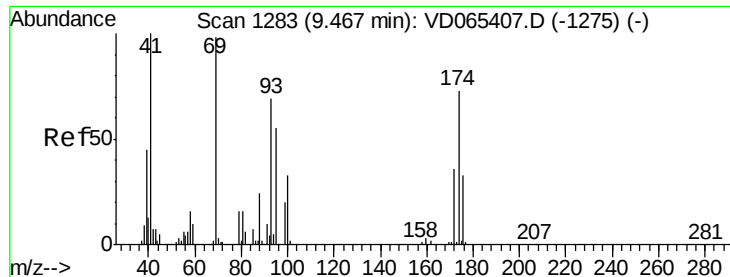
69 93.2 72.5 108.7

39 52.0 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

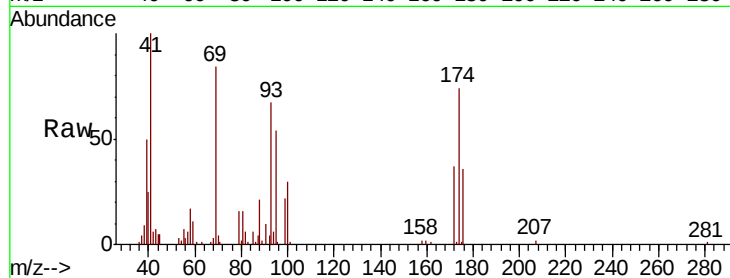




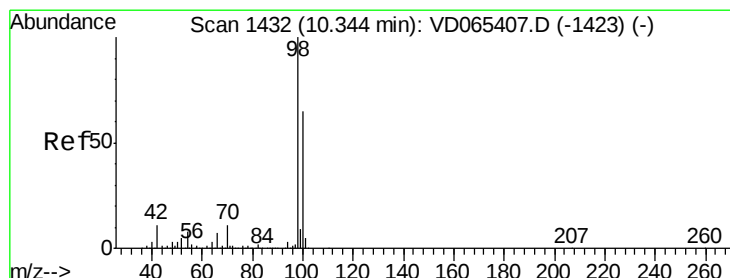
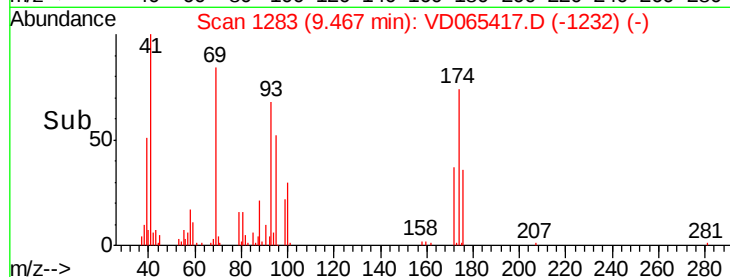
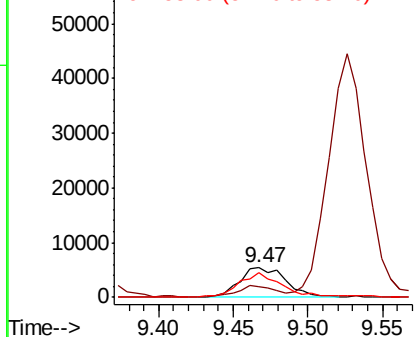
#49
1,4-Dioxane
Concen: 424.918 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 11738
Ion Ratio Lower Upper
88 100
43 33.3 24.5 36.7
58 75.8 54.5 81.7

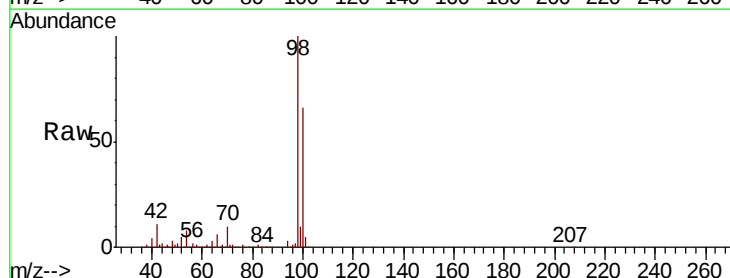


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

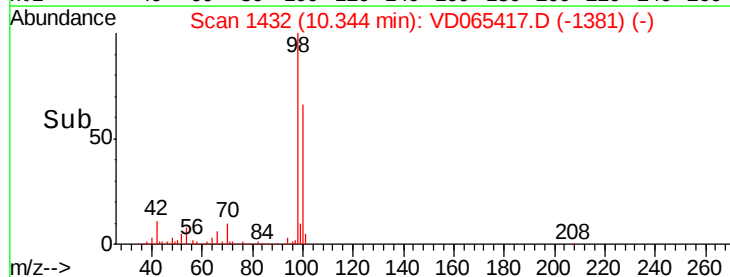
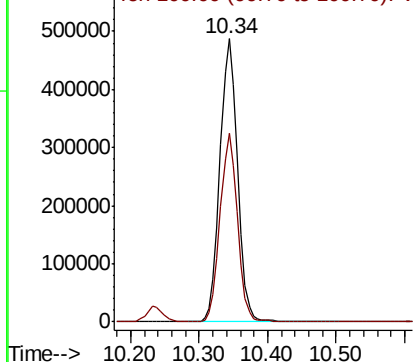


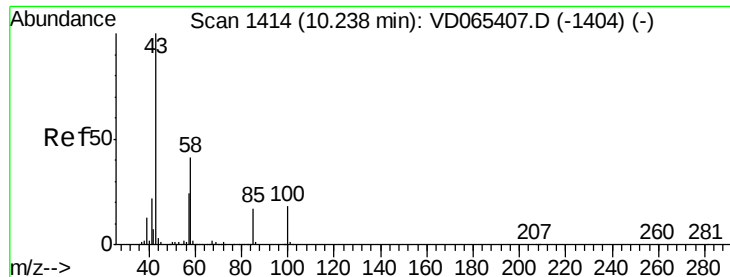
#50
Toluene-d8
Concen: 51.080 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Tgt Ion: 98 Resp: 869084
Ion Ratio Lower Upper
98 100
100 65.7 52.8 79.2



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

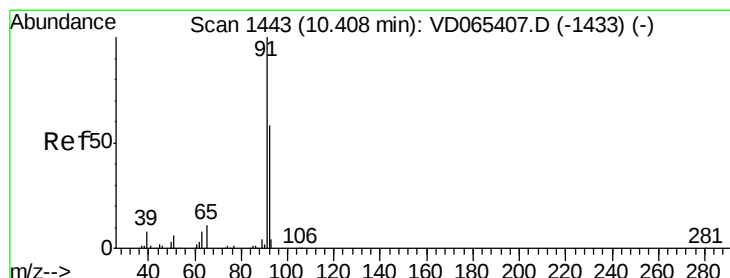
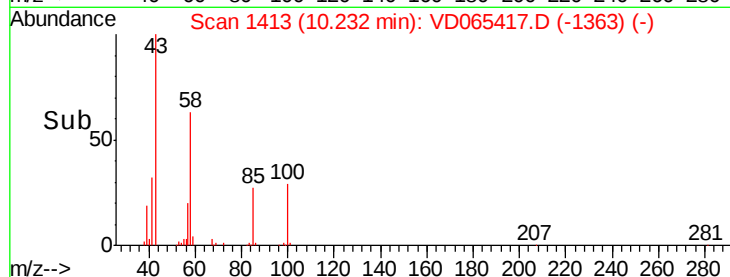
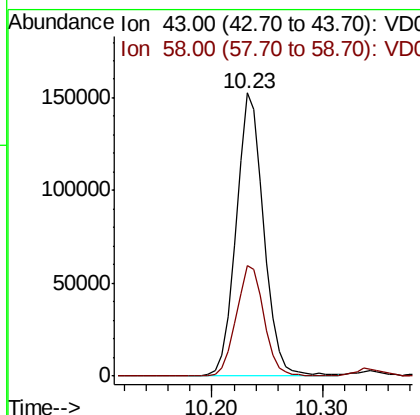
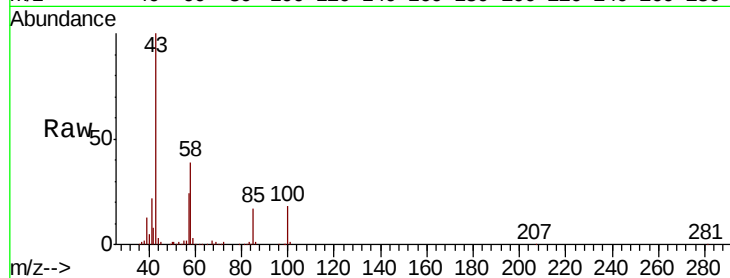




#51
 4-Methyl-2-Pentanone
 Concen: 108.608 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: VD065417.D
 Acq: 04 Mar 2020 18:14

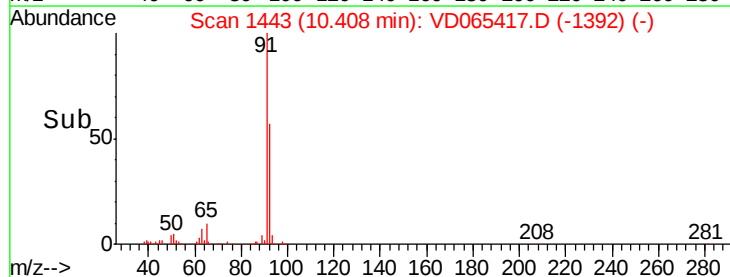
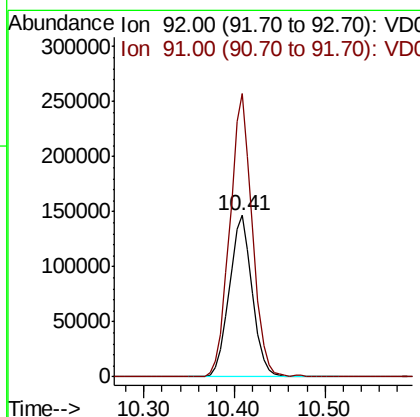
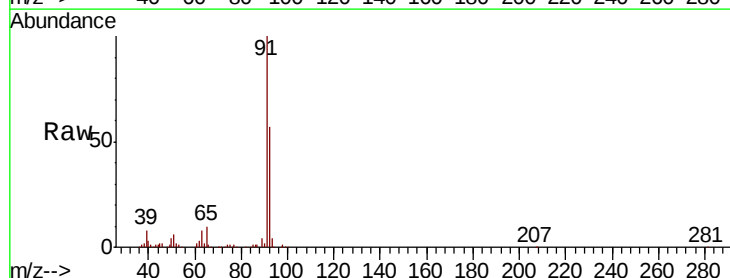
Instrument :
 MSVOA_D
 ClientSampleId :

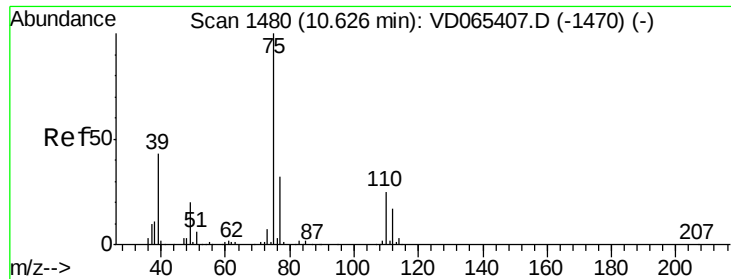
Tot Ion: 43 Resp: 268137
 Ion Ratio Lower Upper
 43 100
 58 39.2 31.8 47.6



#52
 Toluene
 Concen: 21.302 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD065417.D
 Acq: 04 Mar 2020 18:14

Tgt Ion: 92 Resp: 257936
 Ion Ratio Lower Upper
 92 100
 91 172.5 137.8 206.8





#53

t-1,3-Dichloropropene

Concen: 21.423 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

Instrument :

MSVOA_D

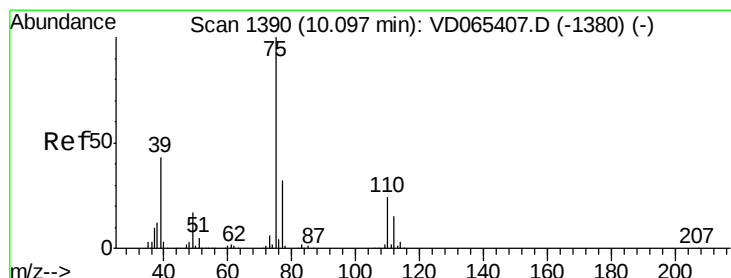
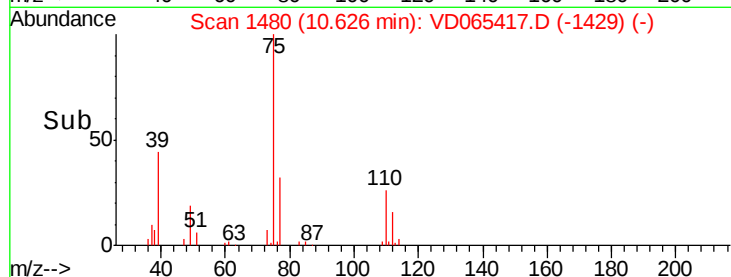
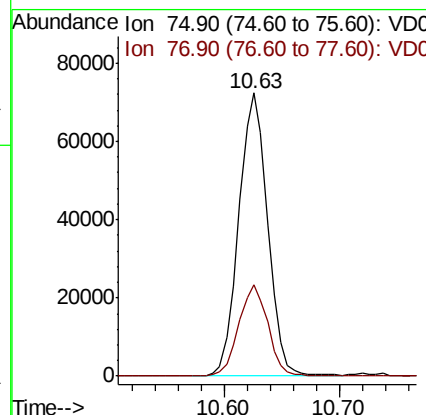
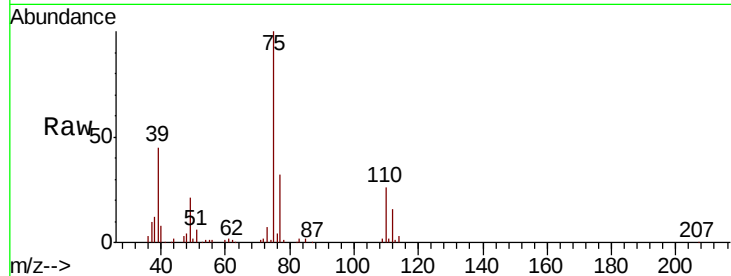
ClientSampleId :

Tot Ion: 75 Resp: 125782

Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 22.056 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

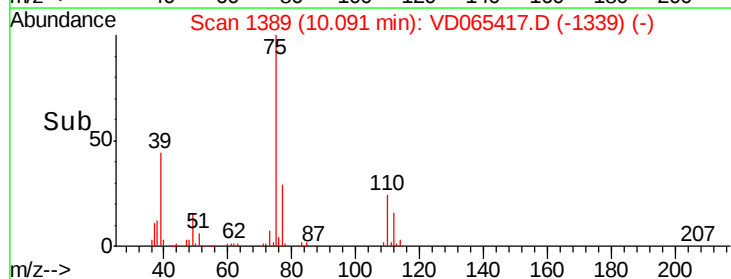
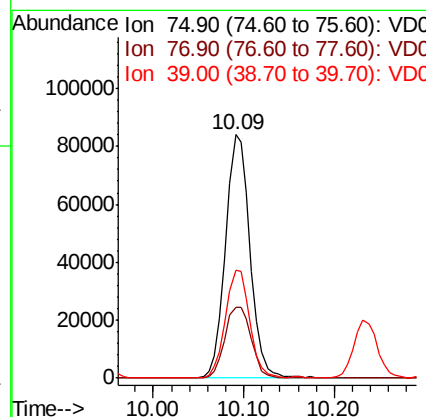
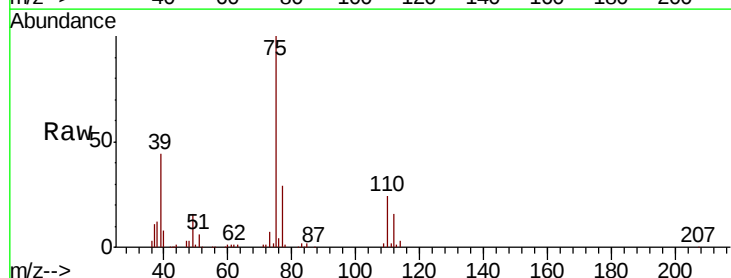
Tgt Ion: 75 Resp: 156747

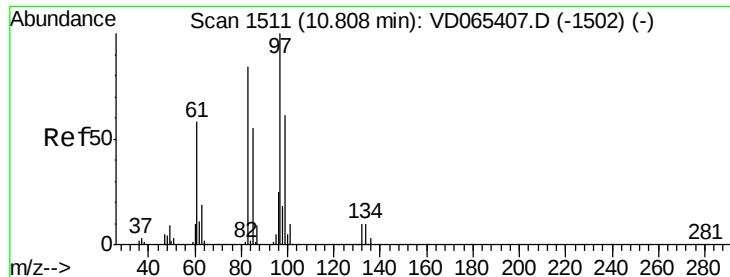
Ion Ratio Lower Upper

75 100

77 29.3 25.3 37.9

39 43.9 34.6 52.0





#55

1,1,2-Trichloroethane

Concen: 21.543 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 73687

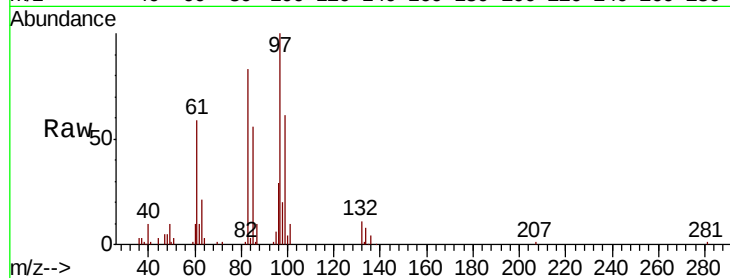
Ion	Ratio	Lower	Upper
97	100		
83	83.3	67.4	101.0
85	56.4	43.8	65.8
99	60.8	48.8	73.2

97 100

83 83.3 67.4 101.0

85 56.4 43.8 65.8

99 60.8 48.8 73.2



Abundance

Ion 96.90 (96.60 to 97.60): VDC

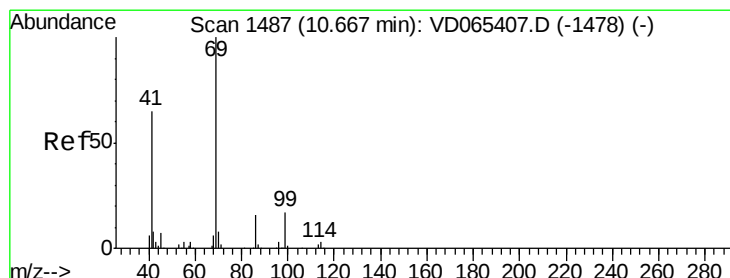
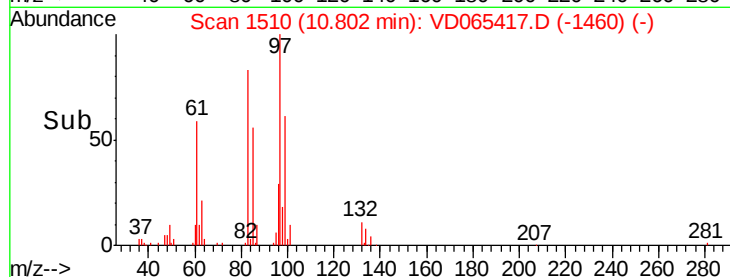
Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC

10.80

Time-->



#56

Ethyl methacrylate

Concen: 22.151 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

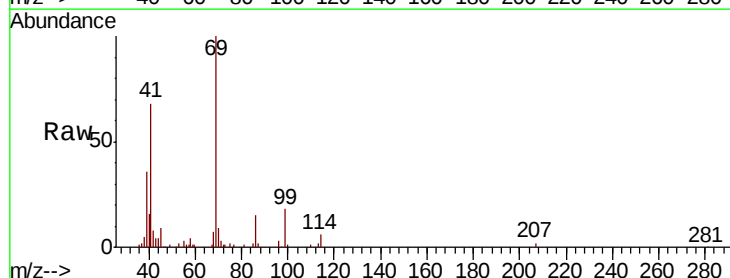
Tgt Ion: 69 Resp: 85414

Ion	Ratio	Lower	Upper
69	100		
41	66.4	53.0	79.6
39	30.2	26.0	39.0

69 100

41 66.4 53.0 79.6

39 30.2 26.0 39.0



Abundance

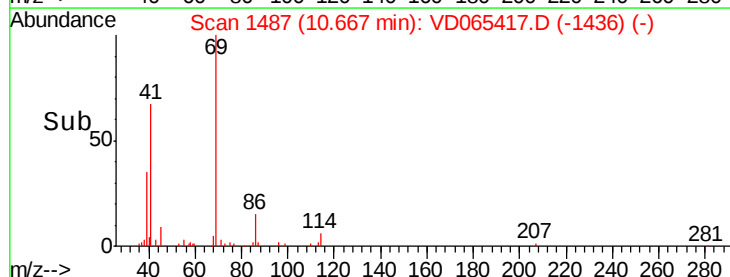
Ion 69.00 (68.70 to 69.70): VDC

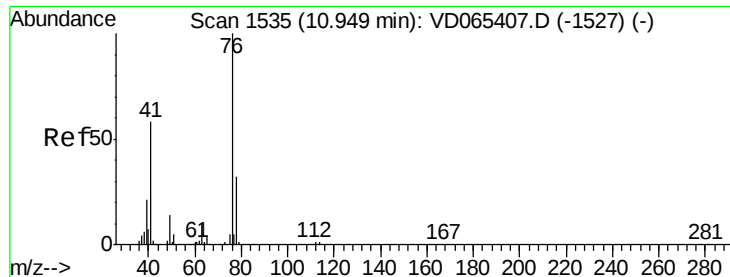
Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

10.67

Time-->





#57

1,3-Dichloropropane

Concen: 21.447 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

Instrument :

MSVOA_D

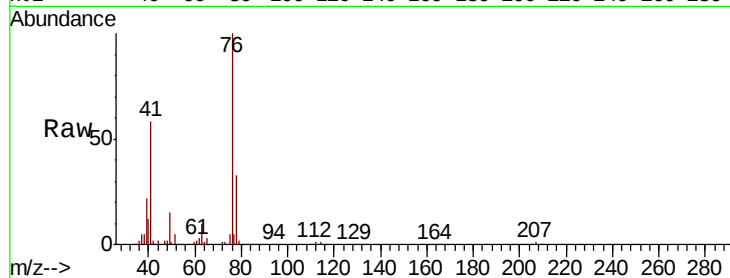
ClientSampleId :

Tot Ion: 76 Resp: 124122

Ion Ratio Lower Upper

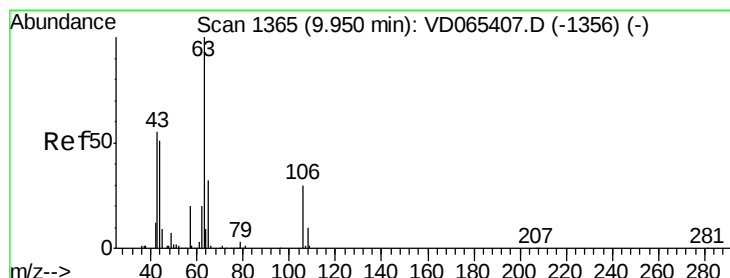
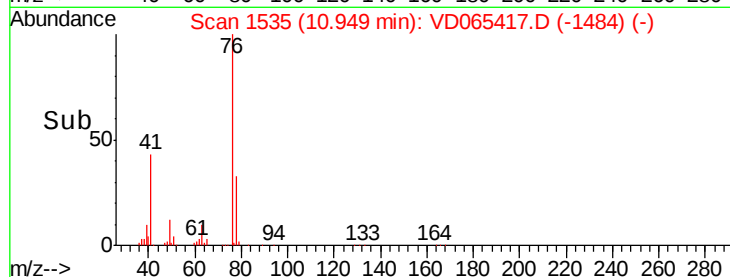
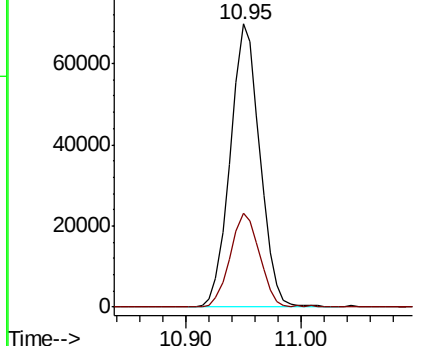
76 100

78 33.3 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 176.529 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD065417.D

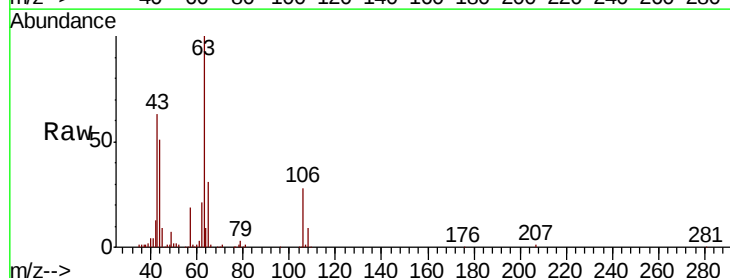
Acq: 04 Mar 2020 18:14

Tgt Ion: 63 Resp: 211970

Ion Ratio Lower Upper

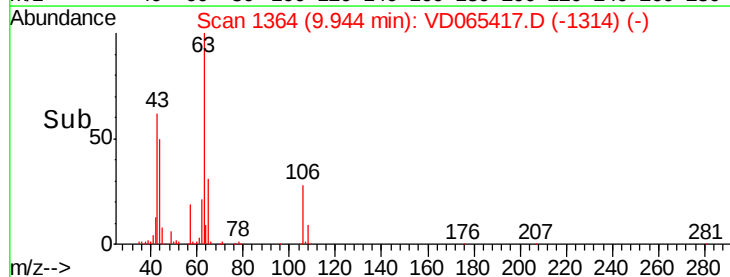
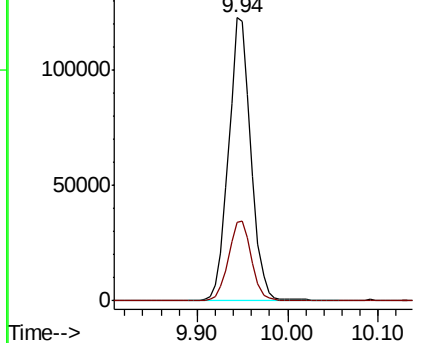
63 100

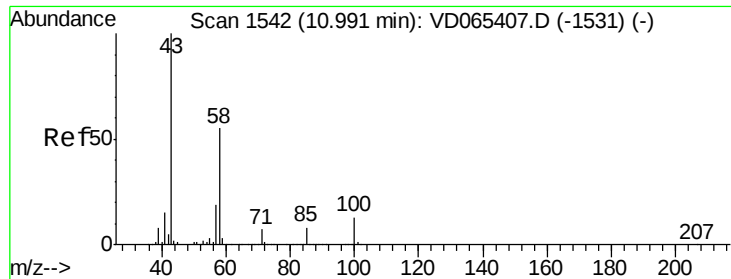
106 28.7 23.3 34.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

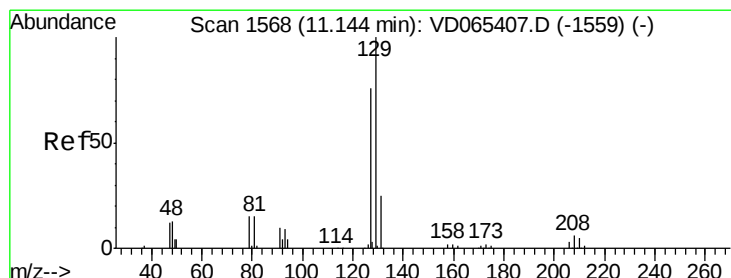
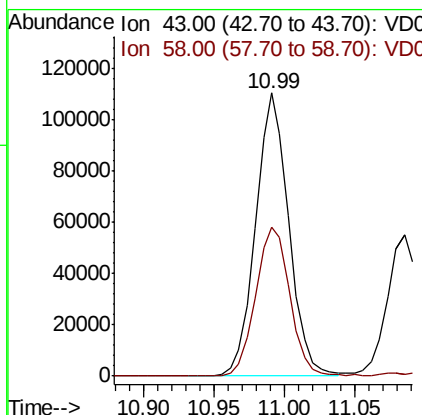
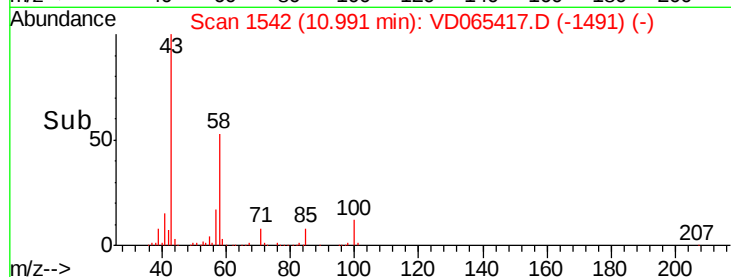
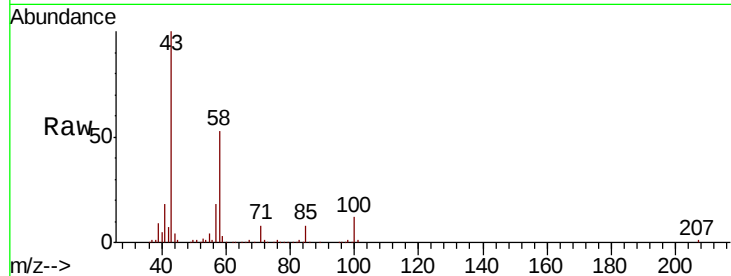




#59
2-Hexanone
Concen: 106.613 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

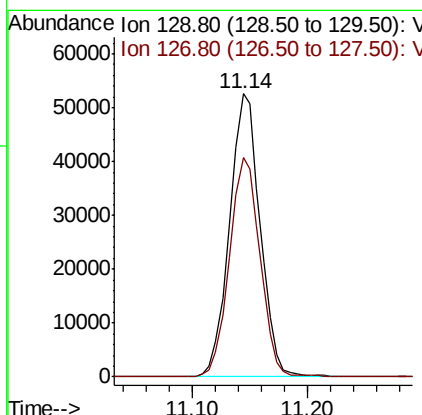
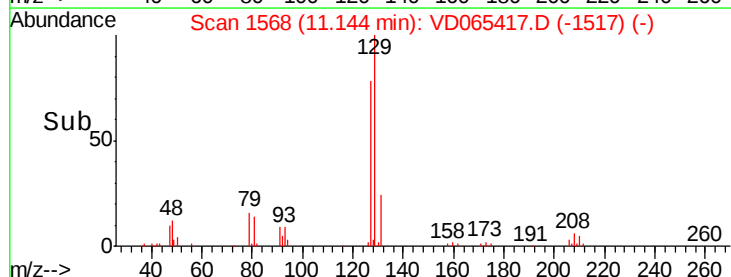
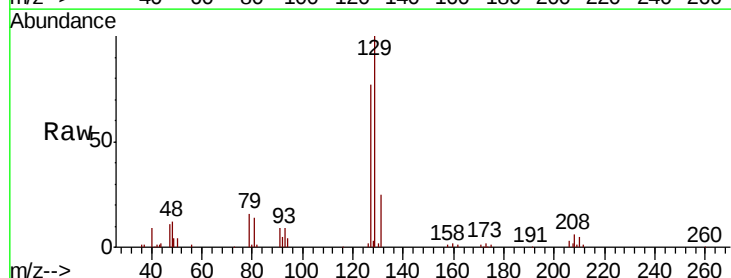
Instrument :
MSVOA_D
ClientSampleId :

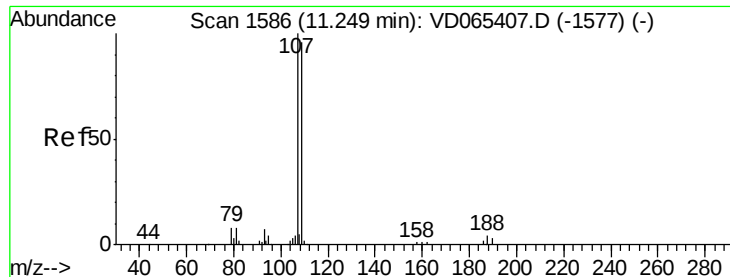
Tot Ion: 43 Resp: 182205
Ion Ratio Lower Upper
43 100
58 54.1 27.4 82.2



#60
Dibromochloromethane
Concen: 22.001 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Tgt Ion: 129 Resp: 96464
Ion Ratio Lower Upper
129 100
127 77.5 38.5 115.5





#61

1,2-Dibromoethane

Concen: 21.868 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

Instrument :

MSVOA_D

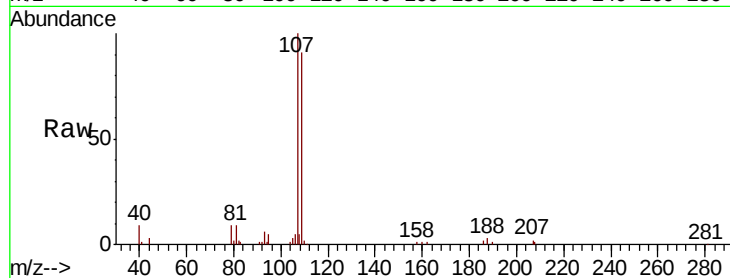
ClientSampleId :

Tot Ion:107 Resp: 71348

Ion Ratio Lower Upper

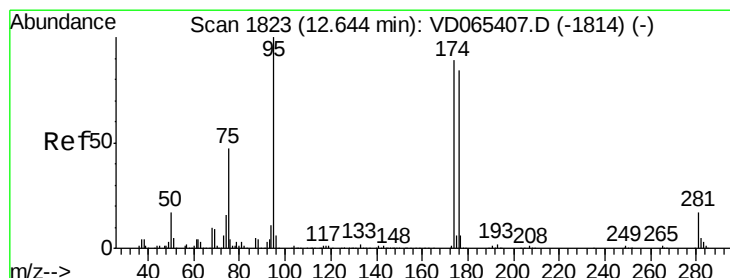
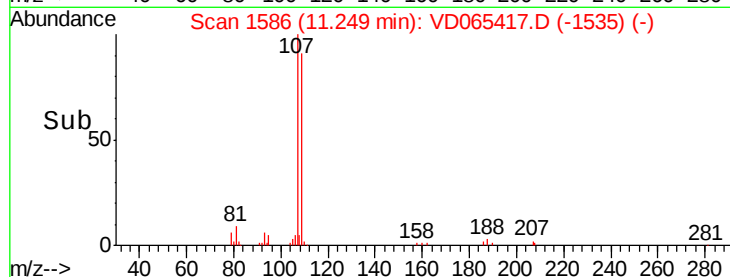
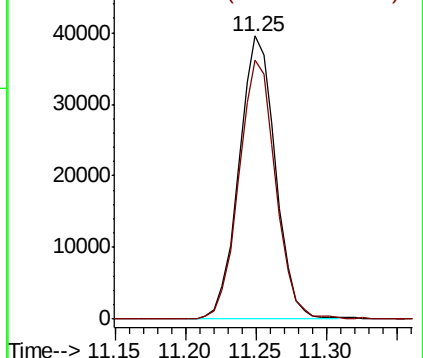
107 100

109 92.1 76.8 115.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 54.168 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.01 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

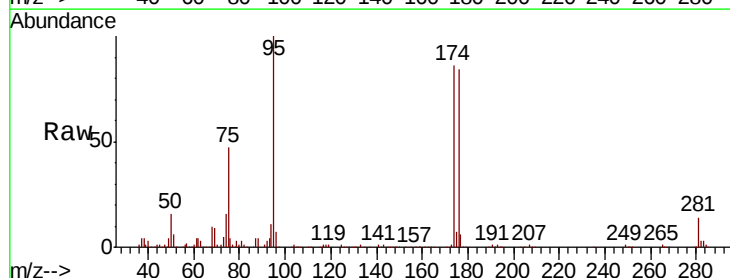
Tgt Ion: 95 Resp: 284512

Ion Ratio Lower Upper

95 100

174 87.5 0.0 176.8

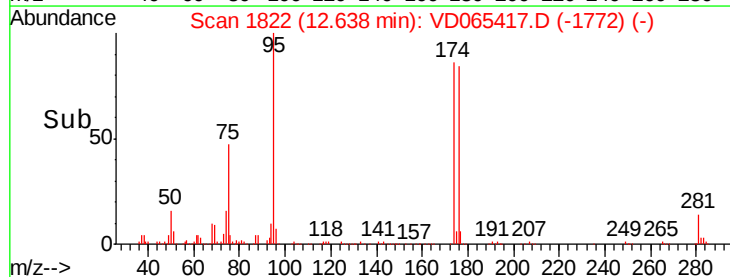
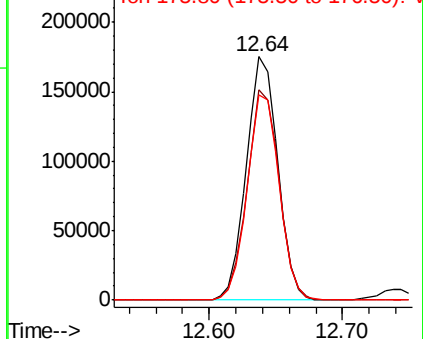
176 85.7 0.0 171.4

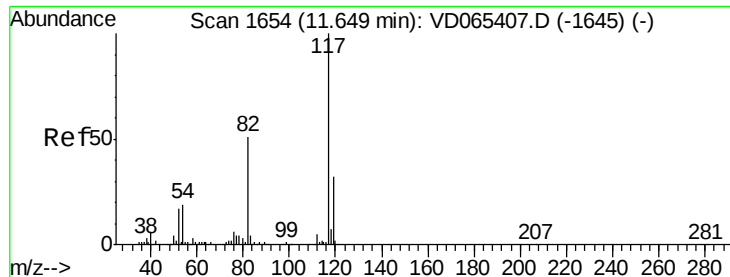


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

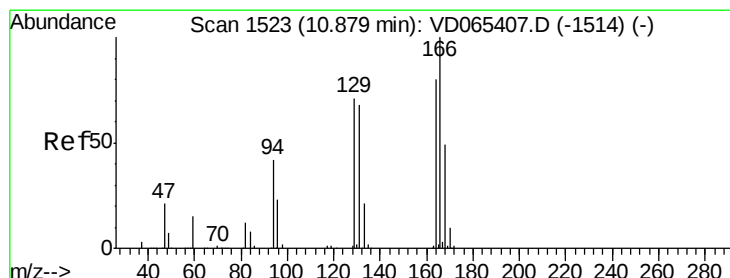
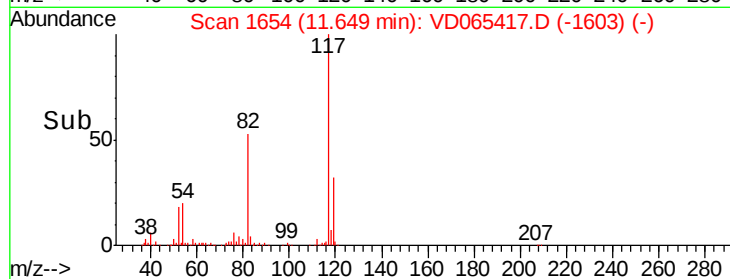
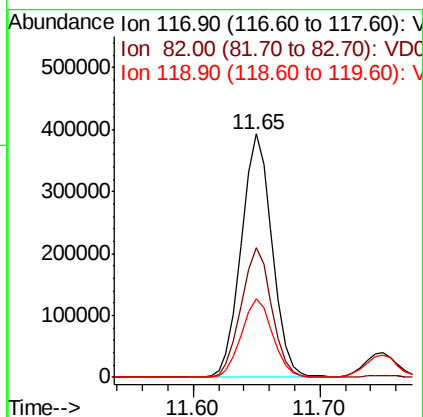
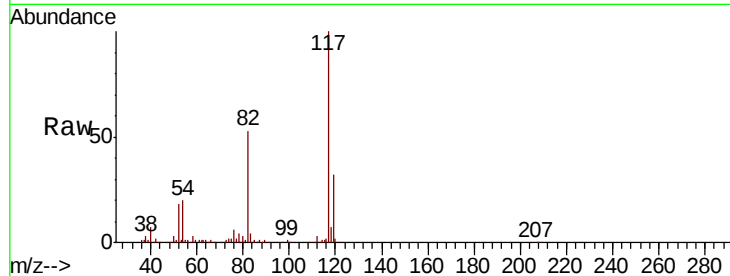




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

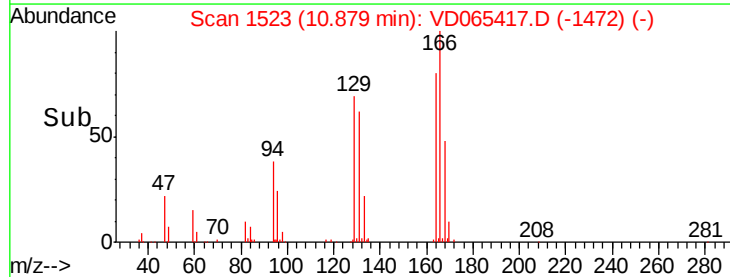
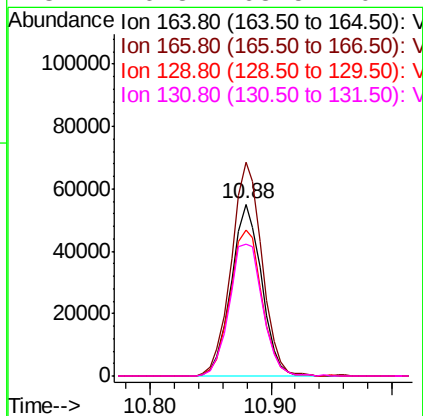
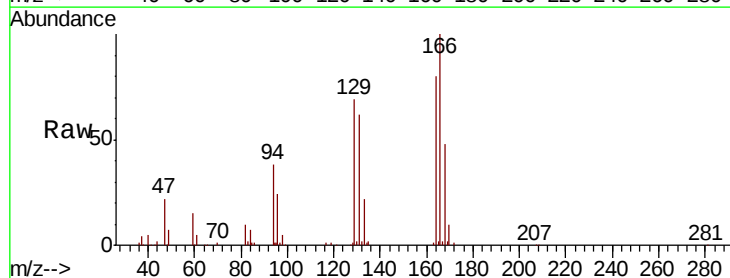
Instrument :
MSVOA_D
ClientSampled :

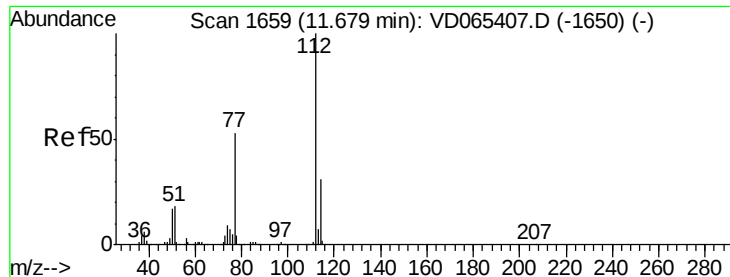
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	40.6	60.8
119	32.2	25.4	38.2



#64
Tetrachloroethene
Concen: 20.278 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.3	100.5	150.7
129	85.2	71.5	107.3
131	76.8	68.5	102.7





#65

Chlorobenzene

Concen: 20.752 ug/l

RT: 11.68 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

Instrument :

MSVOA_D

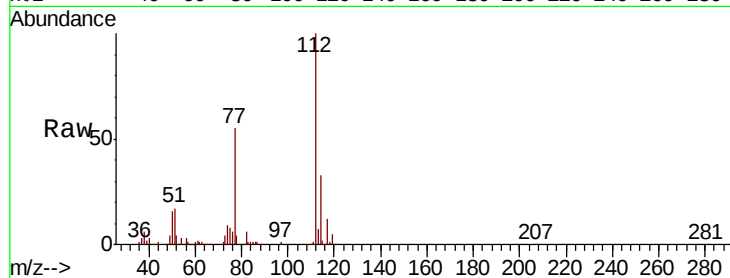
ClientSampleId :

Tot Ion:112 Resp: 273149

Ion Ratio Lower Upper

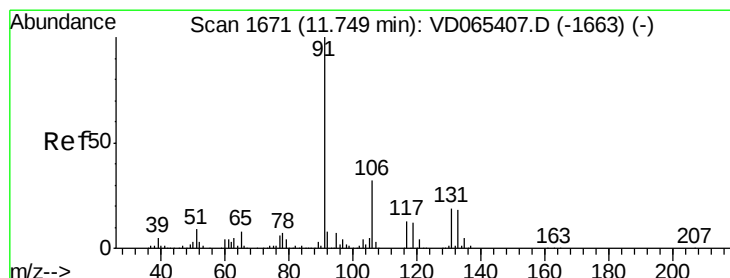
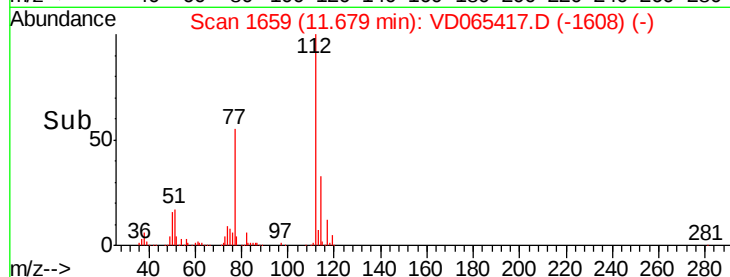
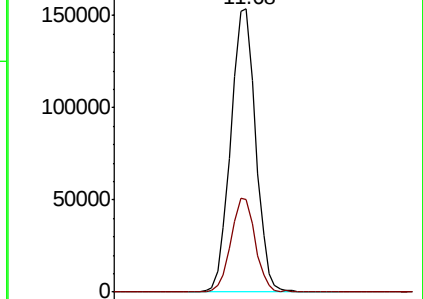
112 100

114 32.7 24.4 36.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.976 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

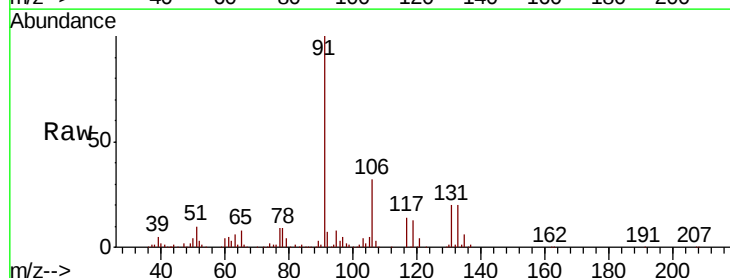
Tgt Ion:131 Resp: 100557

Ion Ratio Lower Upper

131 100

133 97.3 49.2 147.6

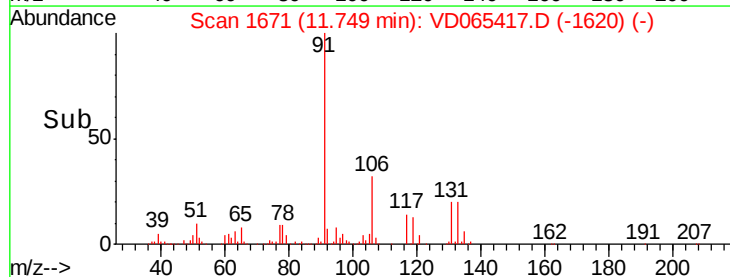
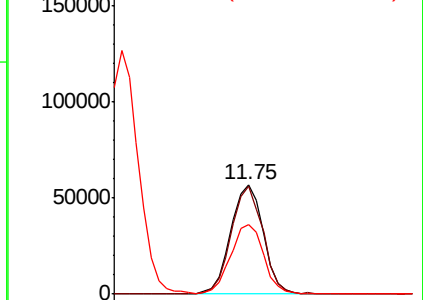
119 65.0 33.3 99.8

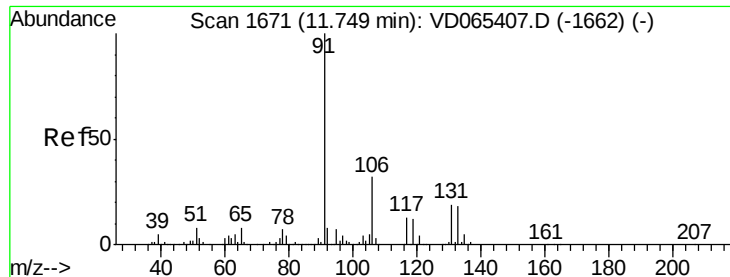


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

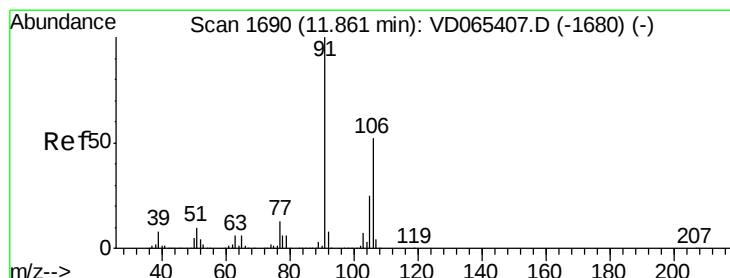
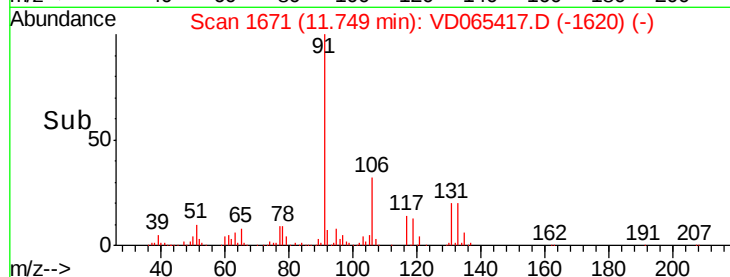
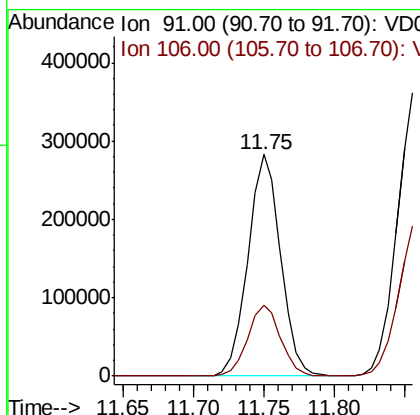
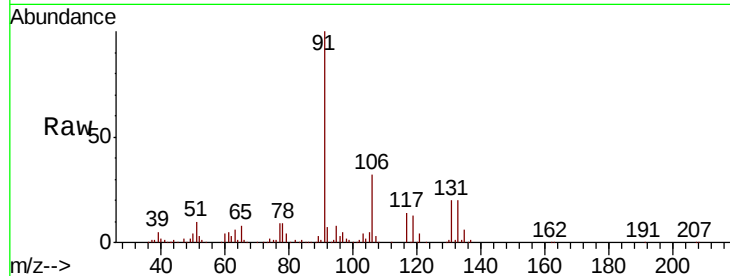




#67
Ethyl Benzene
Concen: 20.153 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

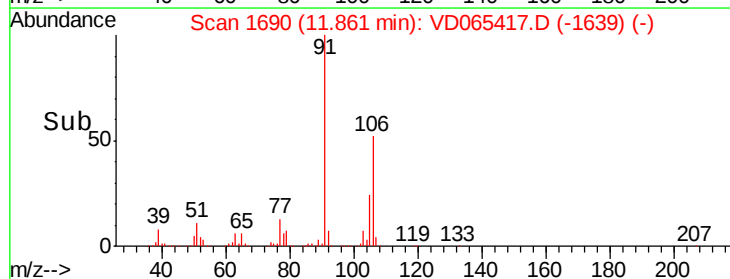
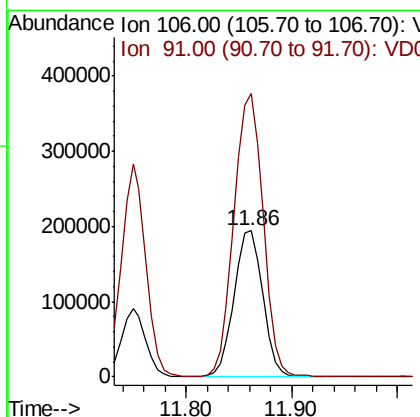
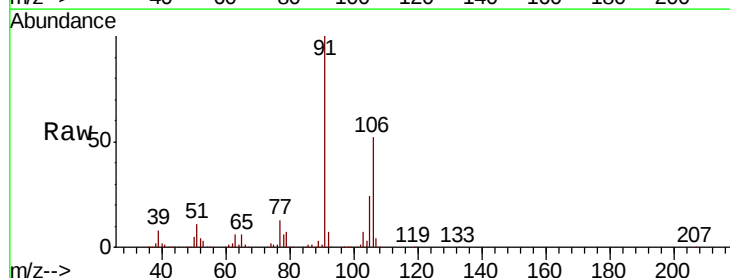
Instrument :
MSVOA_D
ClientSampled :

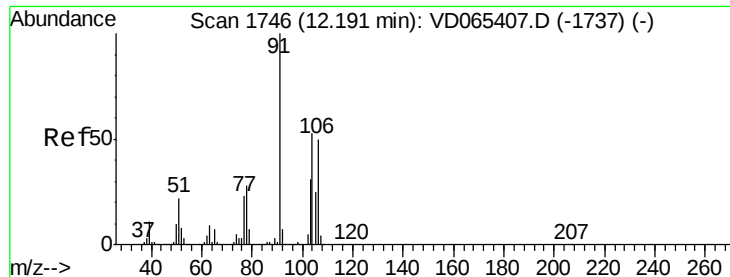
Tot Ion: 91 Resp: 458343
Ion Ratio Lower Upper
91 100
106 32.0 25.2 37.8



#68
m/p-Xylenes
Concen: 41.681 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Tgt Ion: 106 Resp: 365528
Ion Ratio Lower Upper
106 100
91 196.6 155.9 233.9

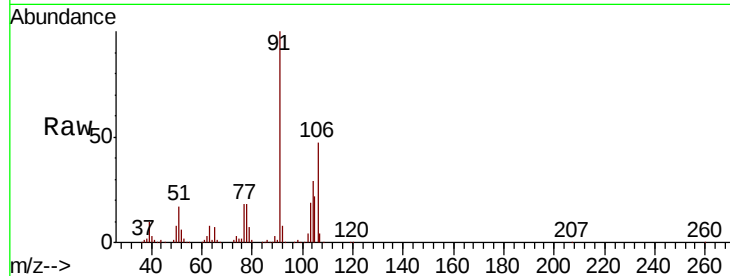




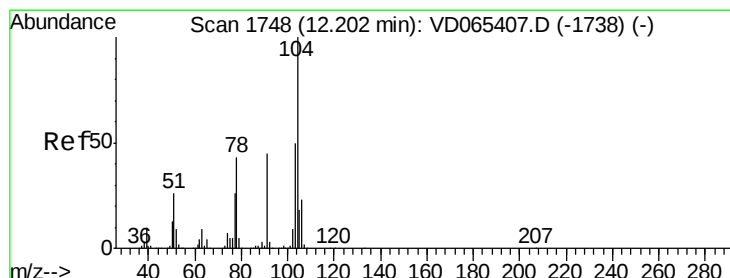
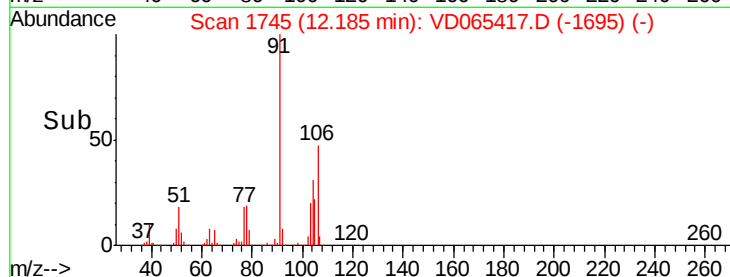
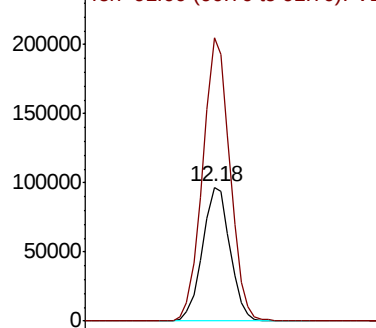
#69
o-Xylene
Concen: 20.818 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 160590
Ion Ratio Lower Upper
106 100
91 208.7 103.5 310.3

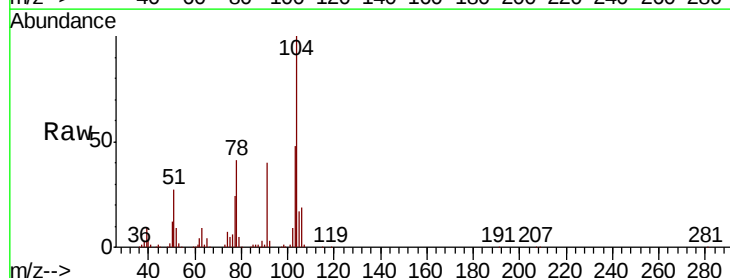


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

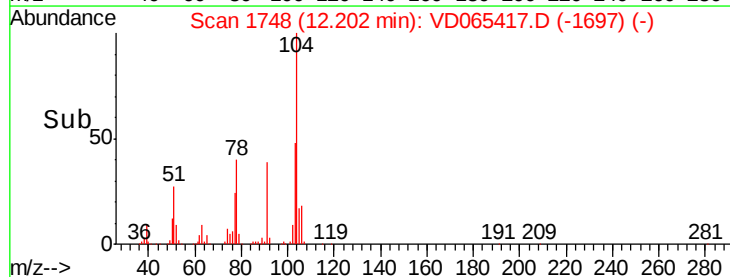
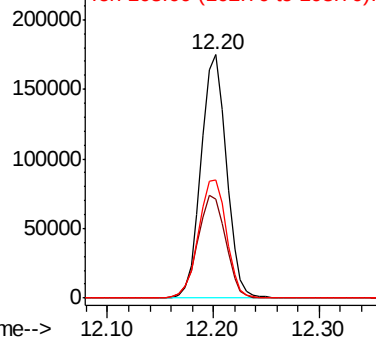


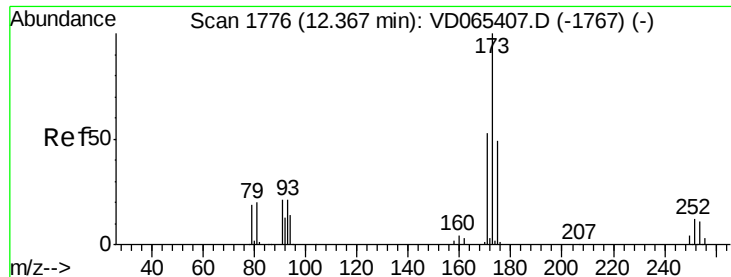
#70
Styrene
Concen: 21.348 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Tgt Ion:104 Resp: 289837
Ion Ratio Lower Upper
104 100
78 46.6 37.7 56.5
103 53.5 43.6 65.4



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





#71

Bromoform

Concen: 21.037 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

Instrument :

MSVOA_D

ClientSampleId :

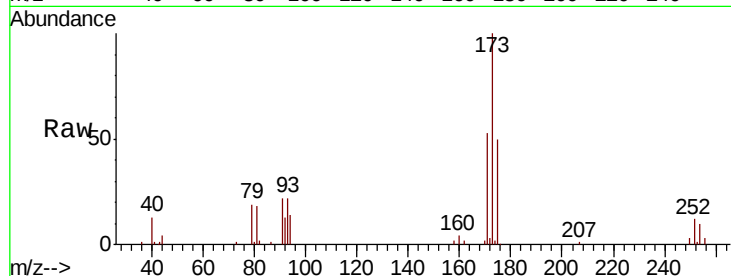
Tot Ion:173 Resp: 56647

Ion Ratio Lower Upper

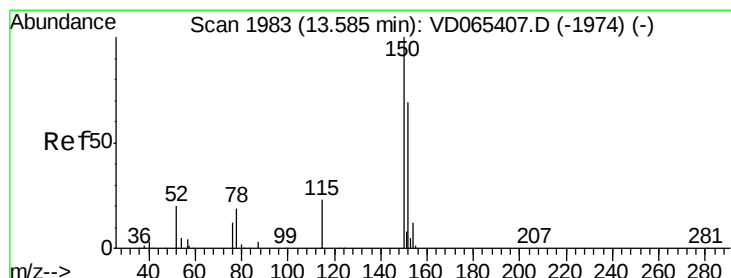
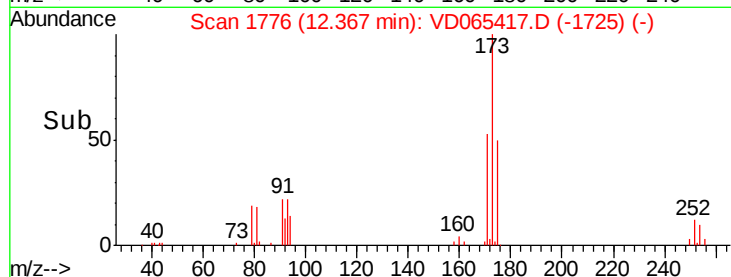
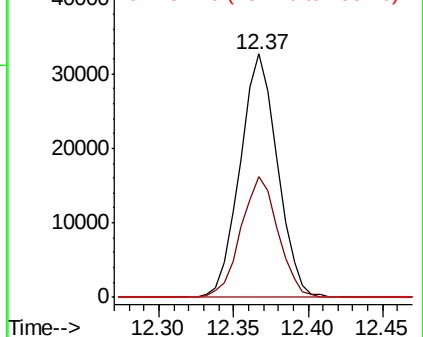
173 100

175 49.4 24.3 73.0

254 0.0 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: VD065417.D

Acq: 04 Mar 2020 18:14

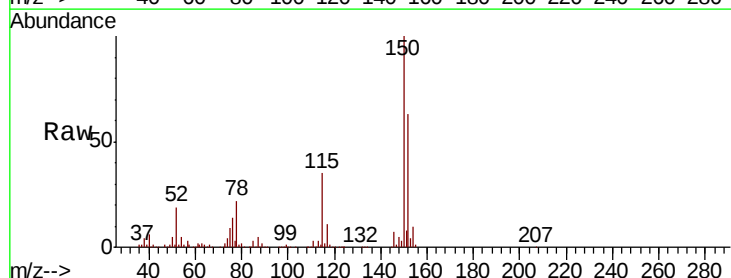
Tgt Ion:152 Resp: 333721

Ion Ratio Lower Upper

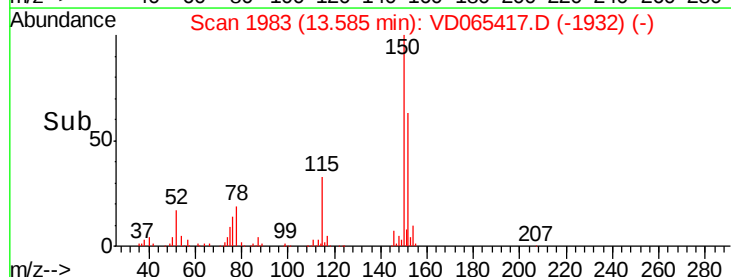
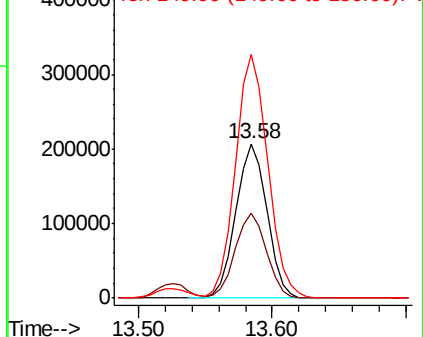
152 100

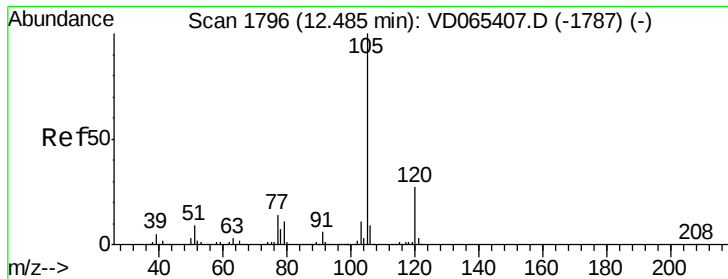
115 55.4 27.6 82.8

150 164.1 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: 19.770 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

Instrument :

MSVOA_D

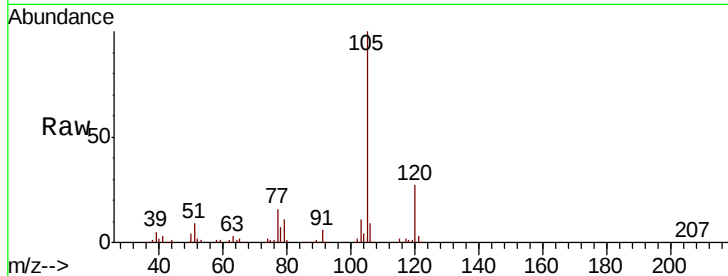
ClientSampleId :

Tot Ion:105 Resp: 433960

Ion Ratio Lower Upper

105 100

120 26.8 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

300000

250000

200000

150000

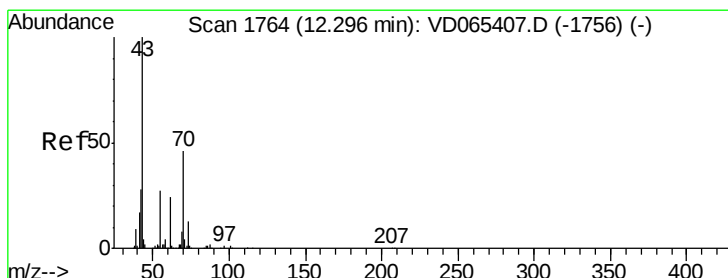
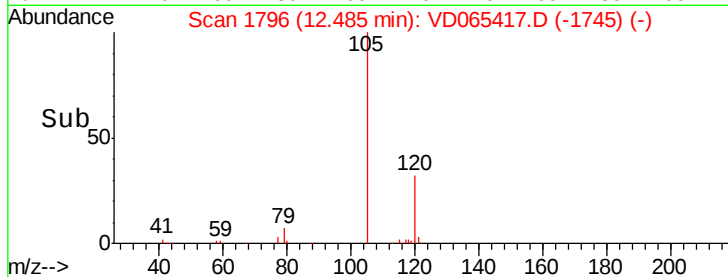
100000

50000

0

Time-->

12.40 12.50



#74

N-ethyl acetate

Concen: 20.997 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

Tgt Ion: 43 Resp: 94356

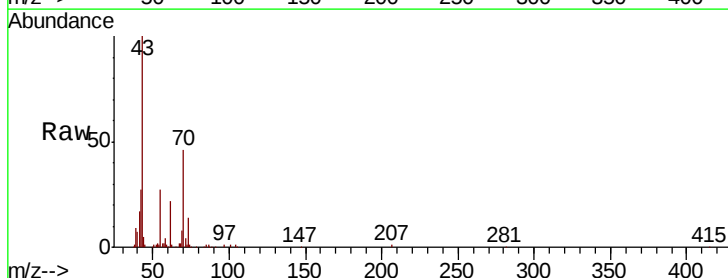
Ion Ratio Lower Upper

43 100

70 44.2 36.1 54.1

55 27.9 21.6 32.4

61 24.2 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

80000

60000

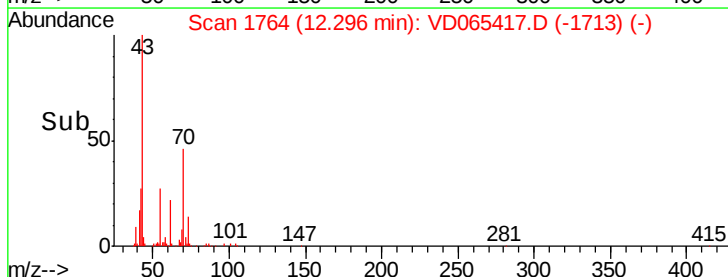
40000

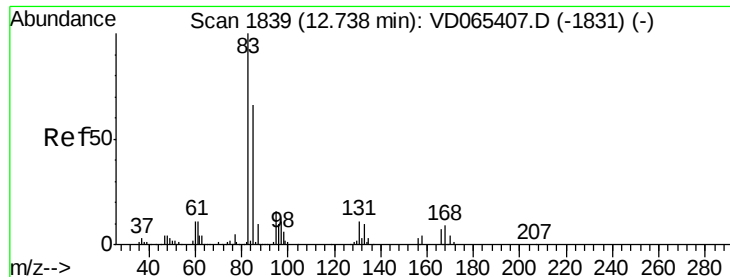
20000

0

Time-->

12.20 12.30





#75

1,1,2,2-Tetrachloroethane

Concen: 20.682 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

Instrument :

MSVOA_D

ClientSampleId :

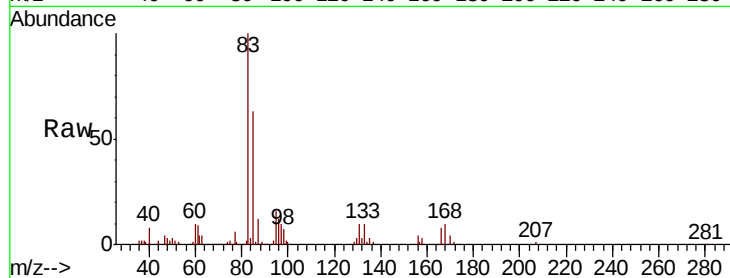
Tot Ion: 83 Resp: 79800

Ion Ratio Lower Upper

83 100

131 11.9 5.4 16.2

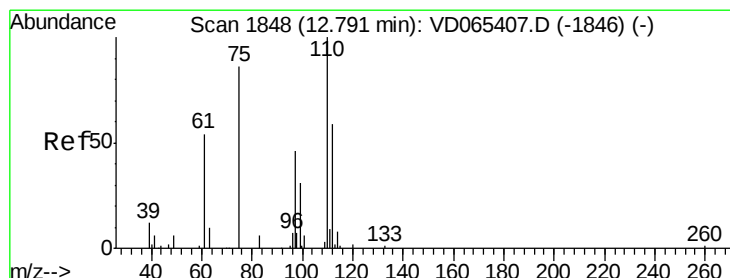
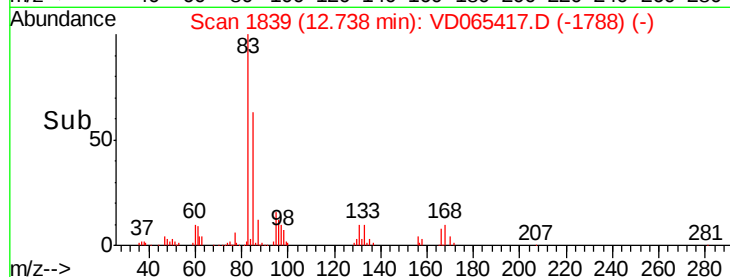
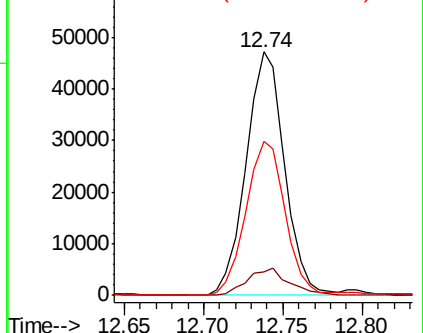
85 65.6 33.0 98.9



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: 38.953 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065417.D

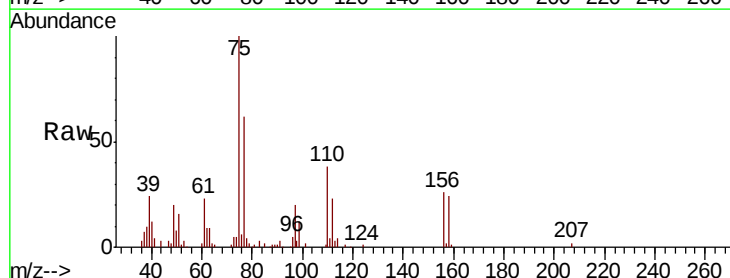
Acq: 04 Mar 2020 18:14

Tgt Ion: 75 Resp: 102575

Ion Ratio Lower Upper

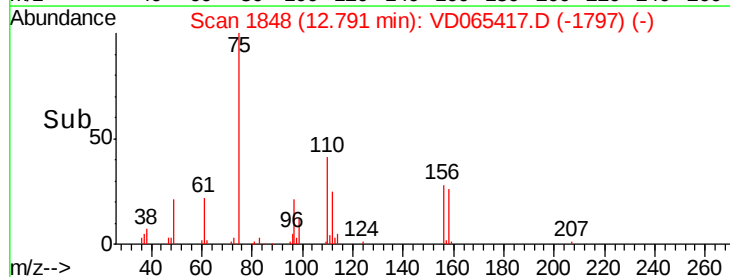
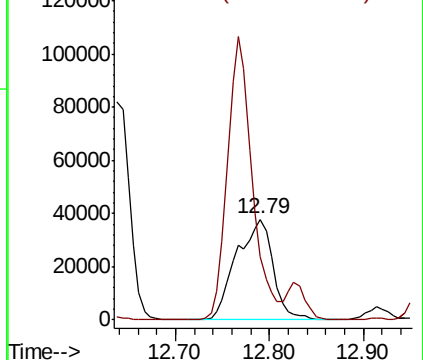
75 100

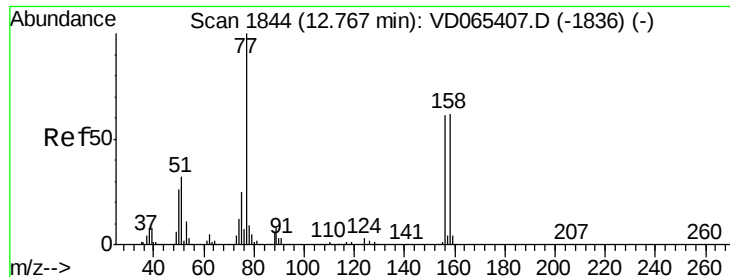
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 21.092 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

Instrument :

MSVOA_D

ClientSampleId :

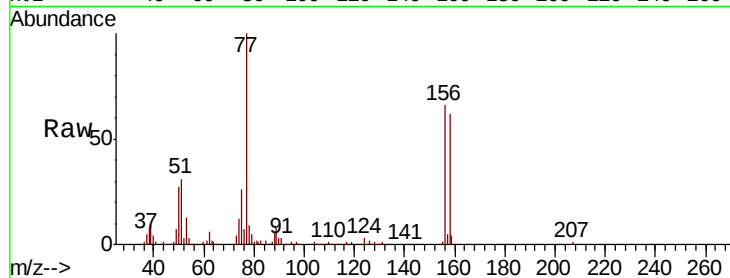
Tot Ion:156 Resp: 115028

Ion Ratio Lower Upper

156 100

77 169.0 84.9 254.6

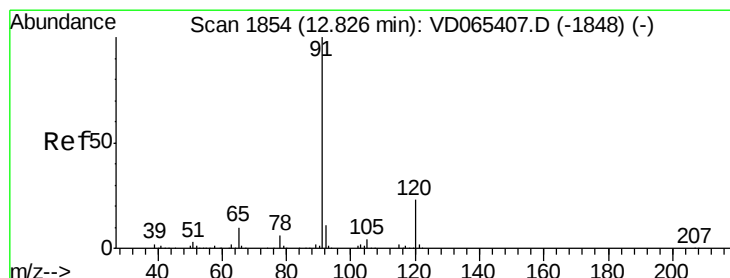
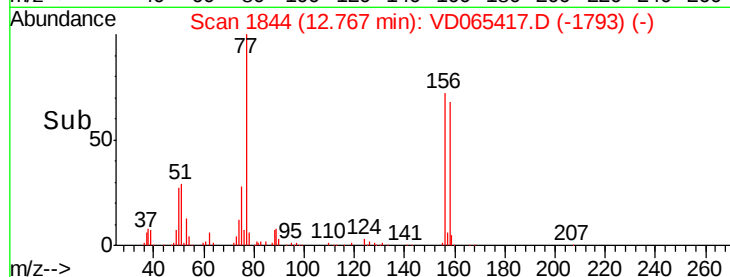
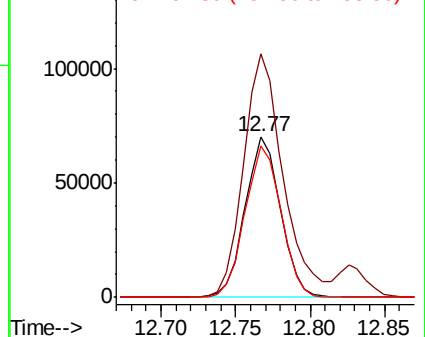
158 96.2 49.0 147.2



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: 20.164 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065417.D

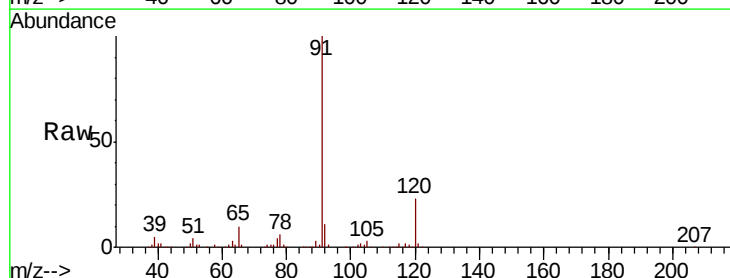
Acq: 04 Mar 2020 18:14

Tgt Ion: 91 Resp: 525152

Ion Ratio Lower Upper

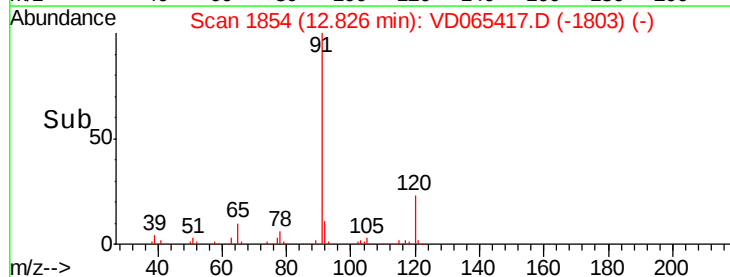
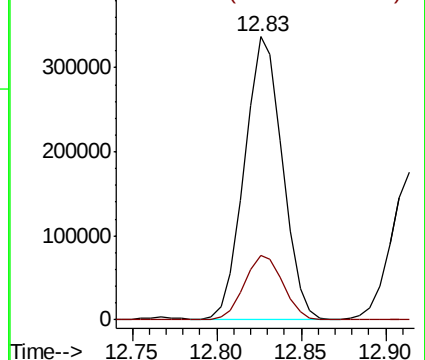
91 100

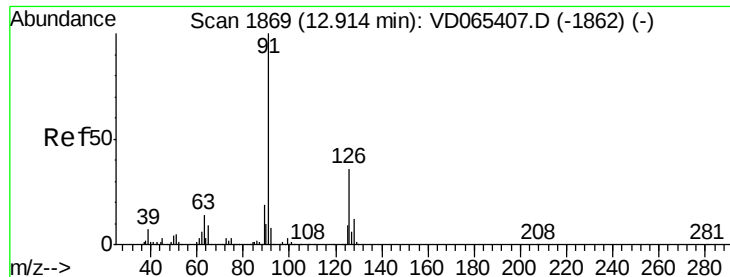
120 23.3 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

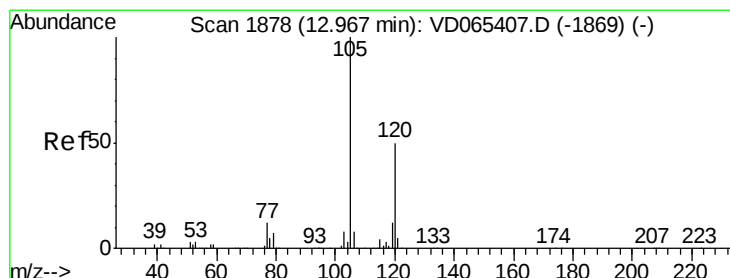
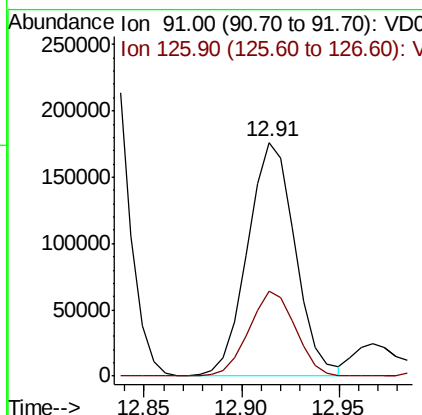
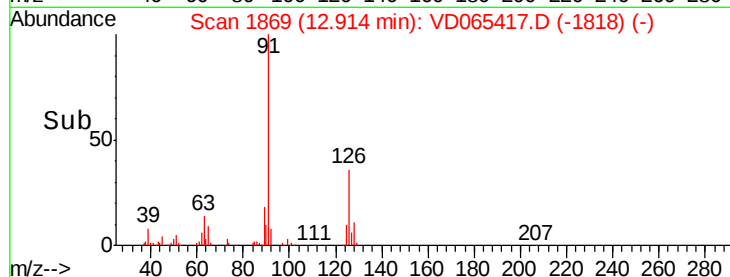
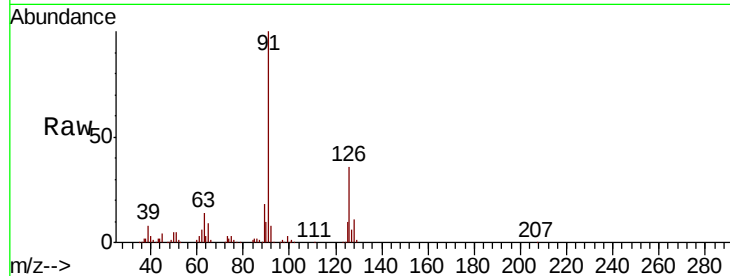




#79
 2-Chlorotoluene
 Concen: 20.143 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD065417.D
 Acq: 04 Mar 2020 18:14

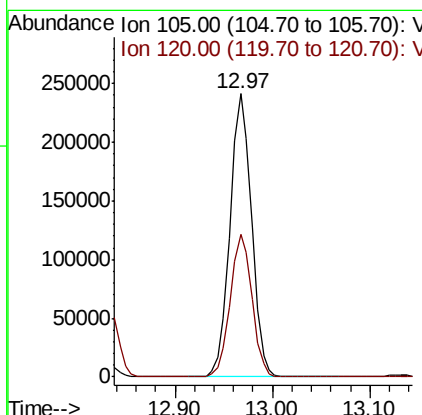
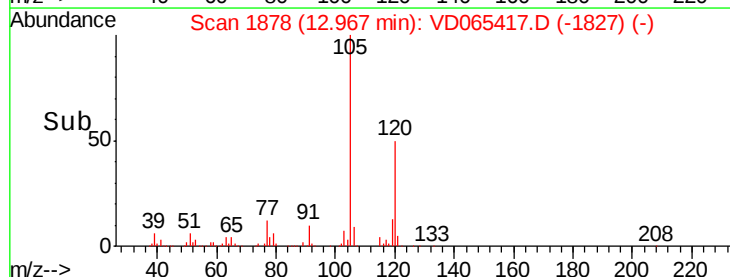
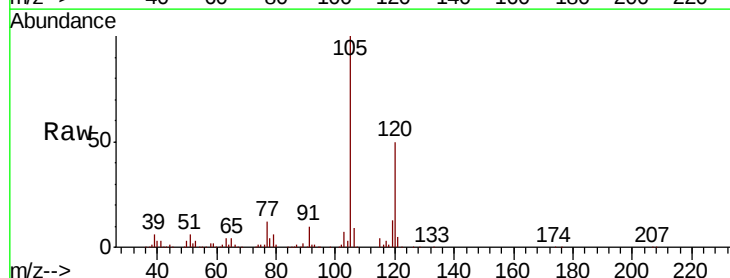
Instrument :
 MSVOA_D
 ClientSampled :

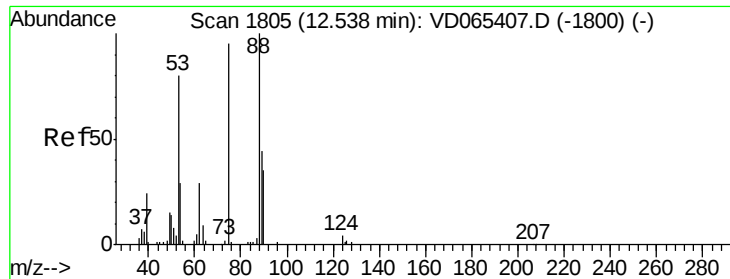
Tot Ion: 91 Resp: 295663
 Ion Ratio Lower Upper
 91 100
 126 35.7 17.9 53.8



#80
 1,3,5-Trimethylbenzene
 Concen: 20.541 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD065417.D
 Acq: 04 Mar 2020 18:14

Tgt Ion: 105 Resp: 370680
 Ion Ratio Lower Upper
 105 100
 120 50.5 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.767 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

Instrument :

MSVOA_D

ClientSampleId :

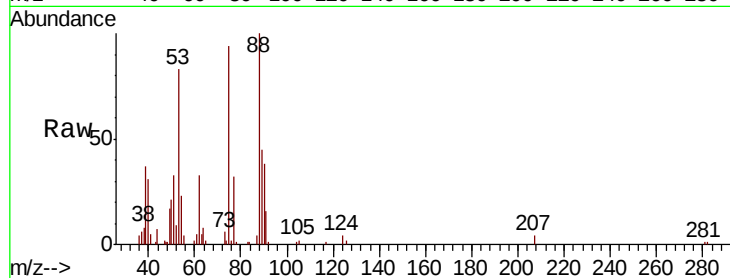
Tot Ion: 75 Resp: 24666

Ion Ratio Lower Upper

75 100

53 96.0 71.3 106.9

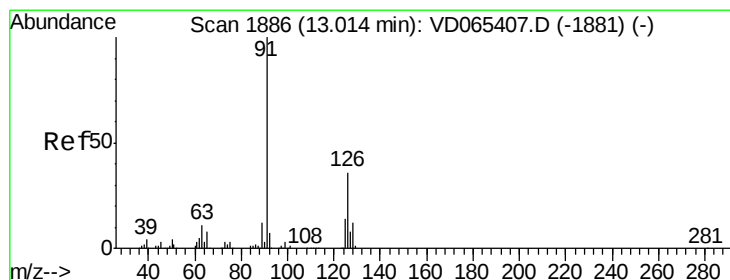
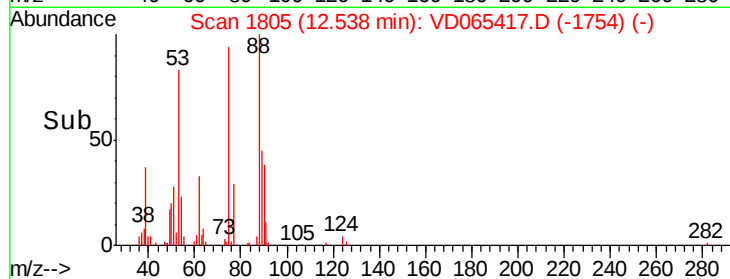
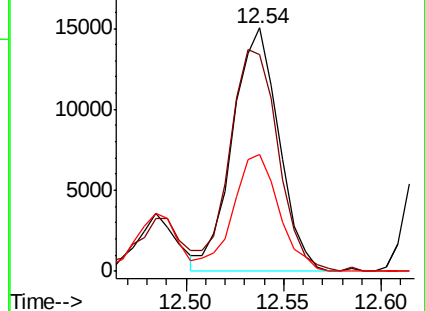
89 47.1 37.0 55.6



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: 20.529 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065417.D

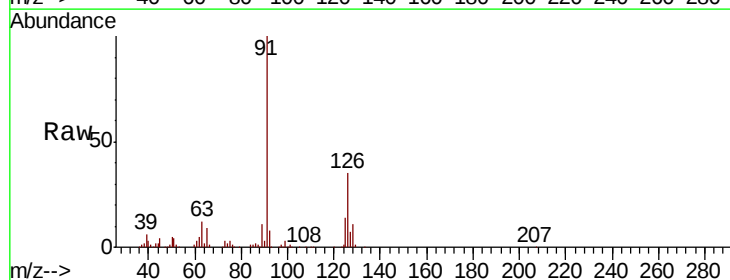
Acq: 04 Mar 2020 18:14

Tgt Ion: 91 Resp: 316643

Ion Ratio Lower Upper

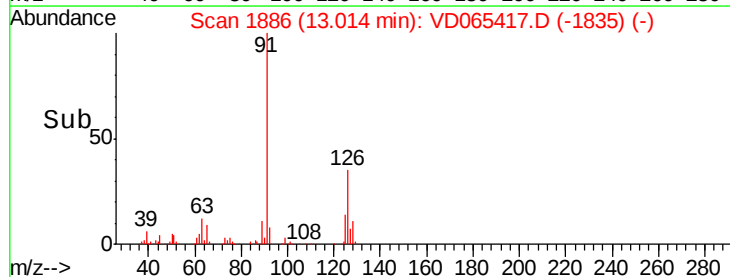
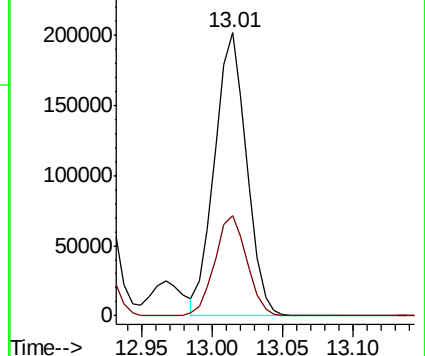
91 100

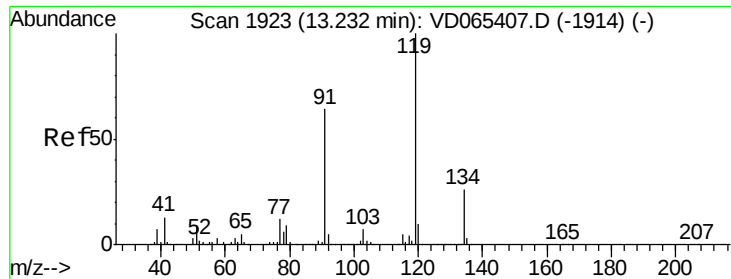
126 35.6 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

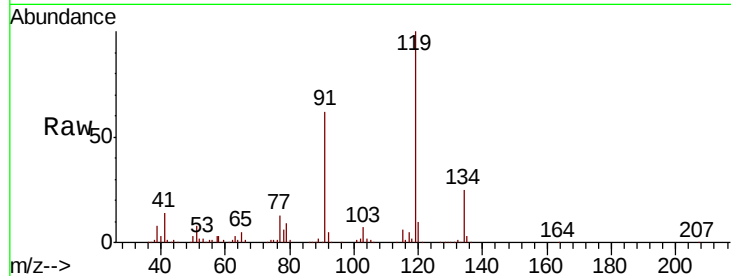




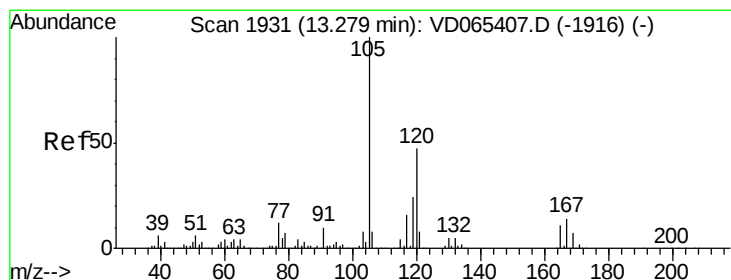
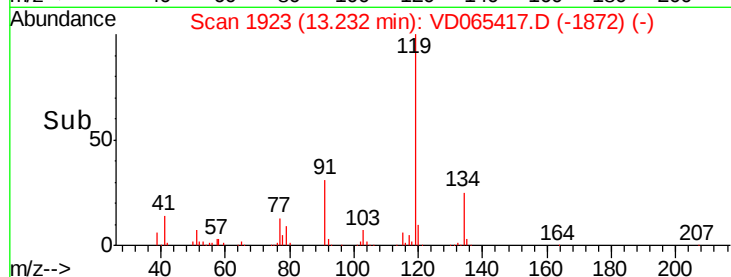
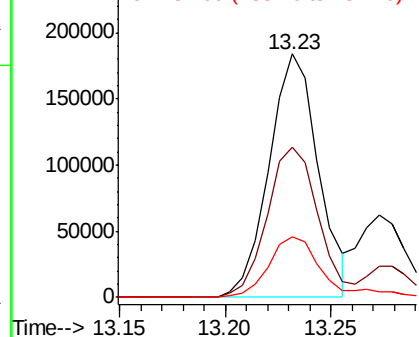
#83
tert-Butylbenzene
Concen: 19.551 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:119 Resp: 298480
Ion Ratio Lower Upper
119 100
91 64.0 31.6 95.0
134 27.6 14.2 42.8

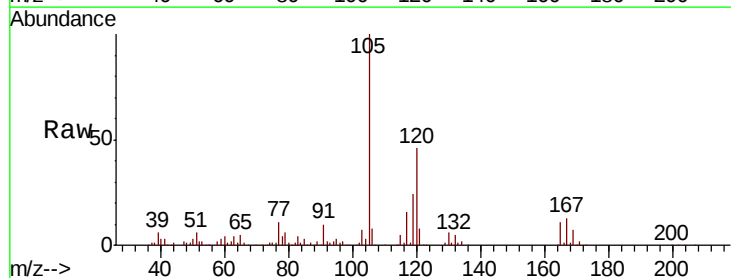


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

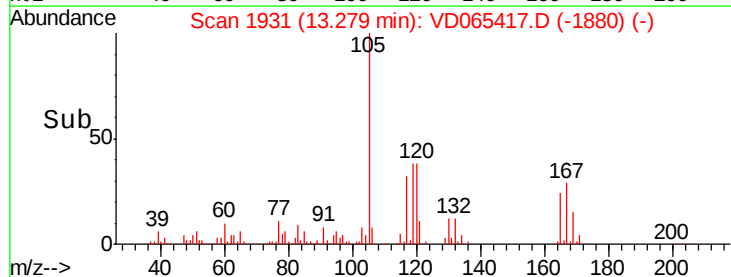
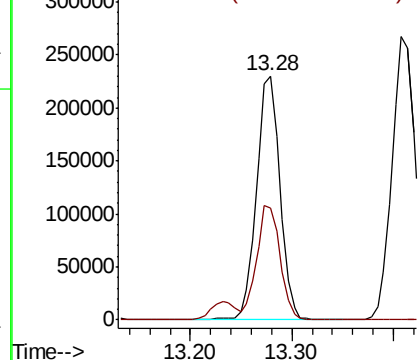


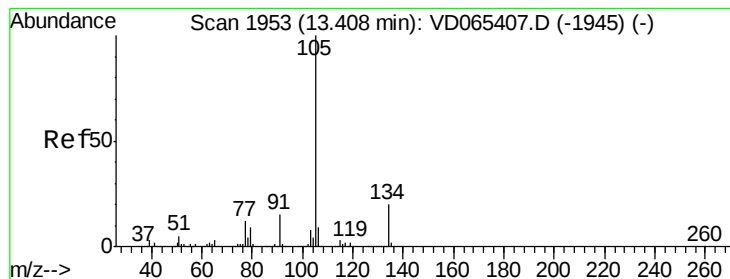
#84
1,2,4-Trimethylbenzene
Concen: 20.721 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Tgt Ion:105 Resp: 368588
Ion Ratio Lower Upper
105 100
120 46.8 23.4 70.3



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





#85

sec-Butylbenzene

Concen: 19.581 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

Instrument :

MSVOA_D

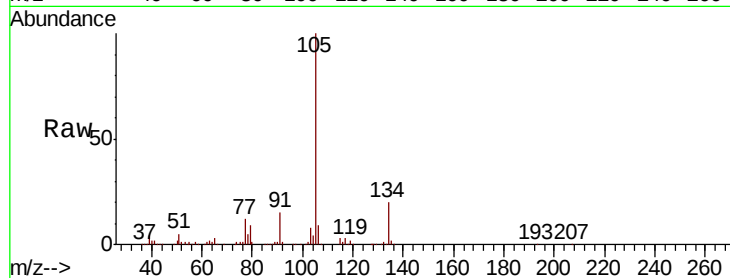
ClientSampleId :

Tot Ion:105 Resp: 426722

Ion Ratio Lower Upper

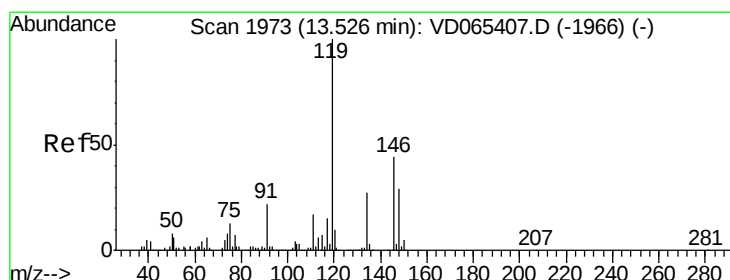
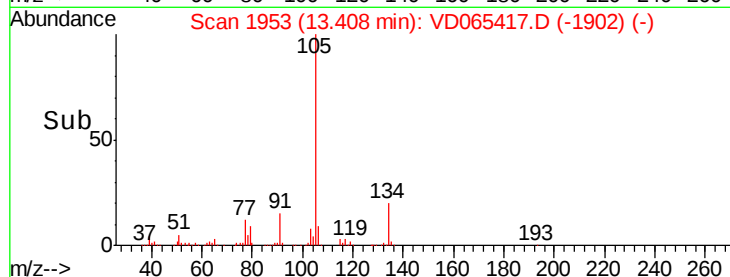
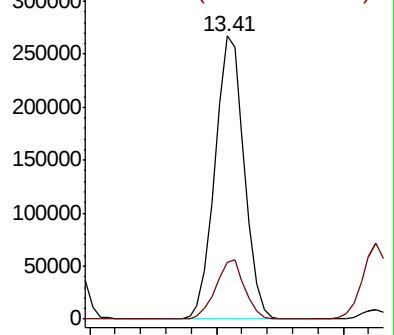
105 100

134 20.7 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.590 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

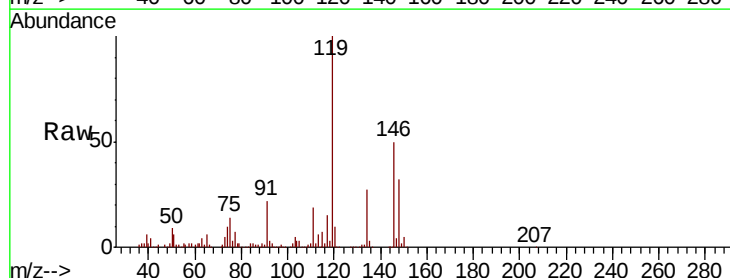
Tgt Ion:119 Resp: 389546

Ion Ratio Lower Upper

119 100

134 27.0 13.3 39.9

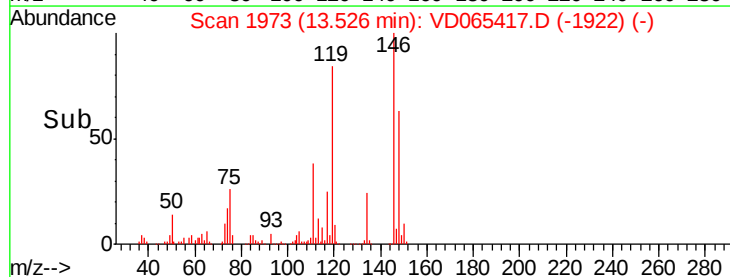
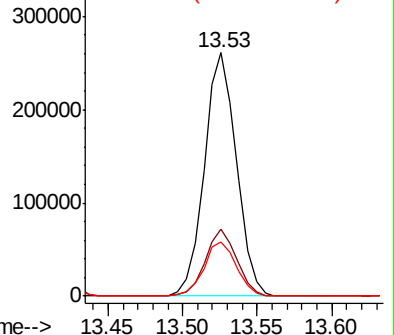
91 22.3 10.9 32.6

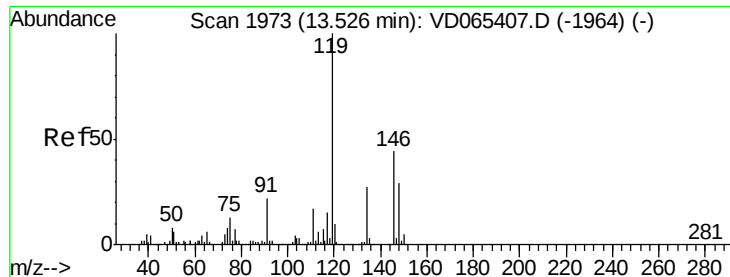


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.515 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

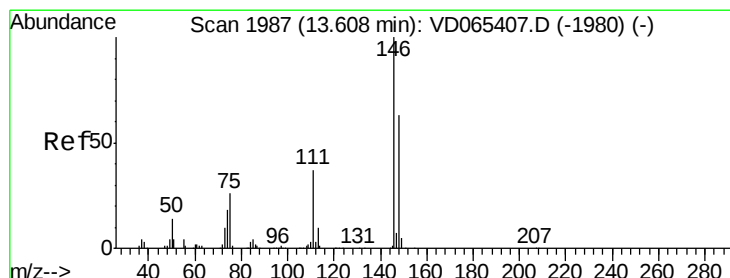
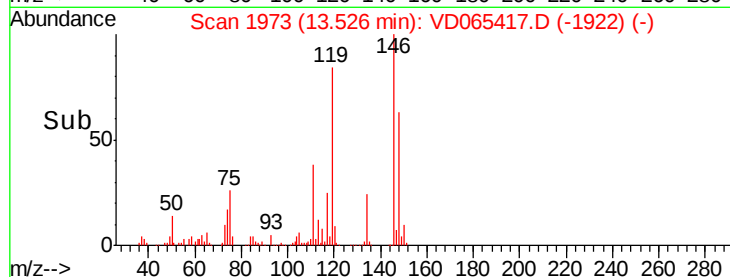
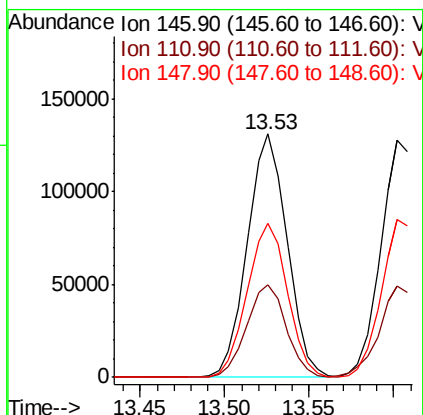
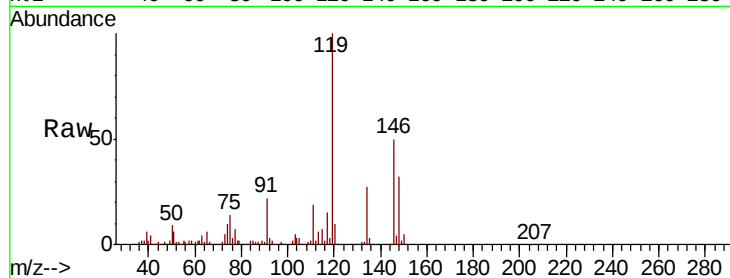
Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:146 Resp: 215093

Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.1	57.1
148	64.1	32.3	96.8



#88

1,4-Dichlorobenzene

Concen: 20.335 ug/l

RT: 13.60 min Scan# 1986

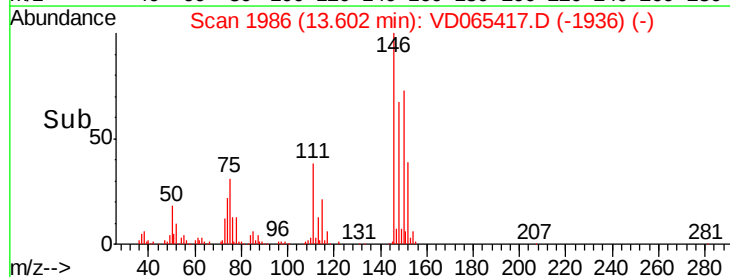
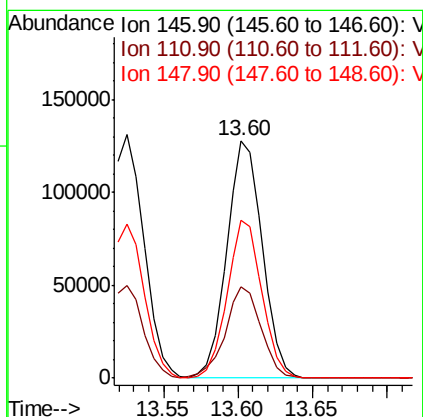
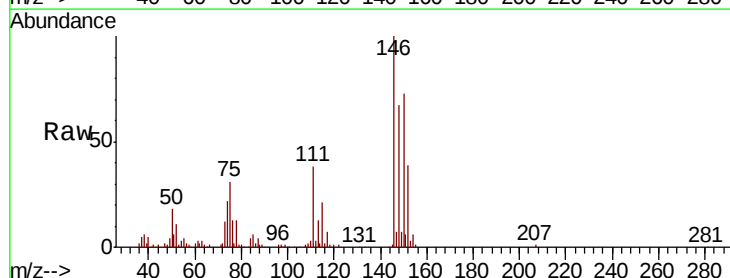
Delta R.T. -0.01 min

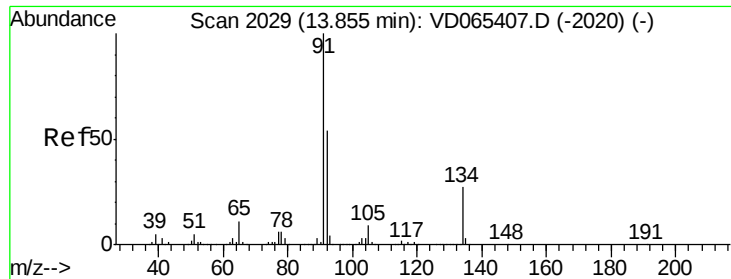
Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

Tgt Ion:146 Resp: 212084

Ion	Ratio	Lower	Upper
146	100		
111	38.9	18.5	55.5
148	64.8	32.0	96.0





#89

n-Butylbenzene

Concen: 19.573 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. 0.00 min

Lab File: VD065417.D

Acq: 04 Mar 2020 18:14

Instrument :

MSVOA_D

ClientSampleId :

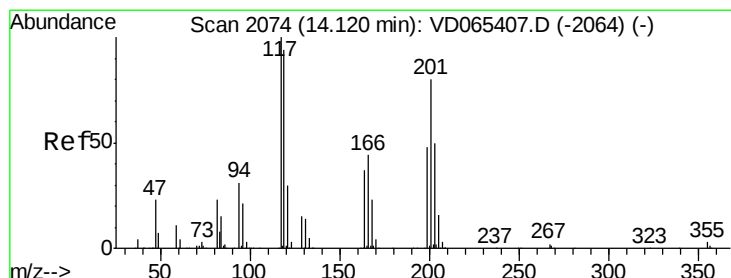
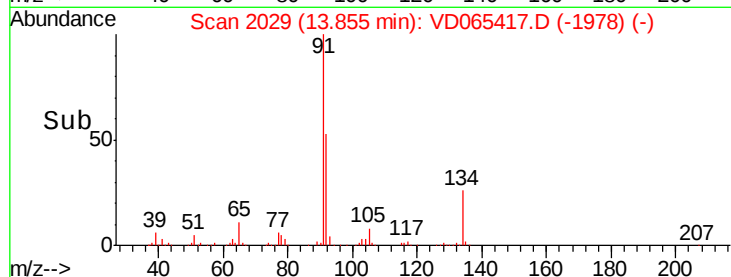
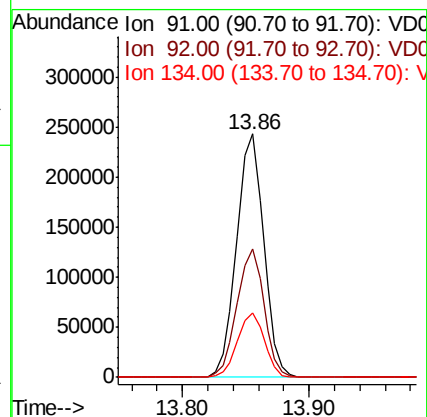
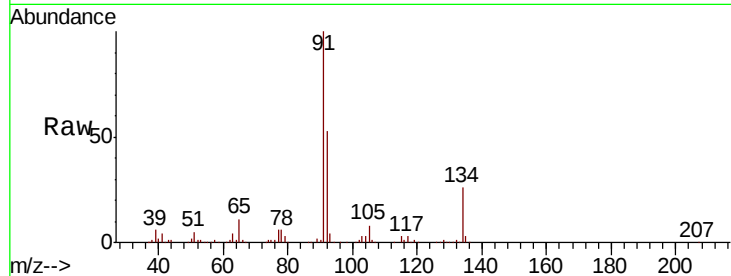
Tot Ion: 91 Resp: 359822

Ion Ratio Lower Upper

91 100

92 52.5 26.8 80.4

134 26.5 13.4 40.2



#90

Hexachloroethane

Concen: 19.517 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.00 min

Lab File: VD065417.D

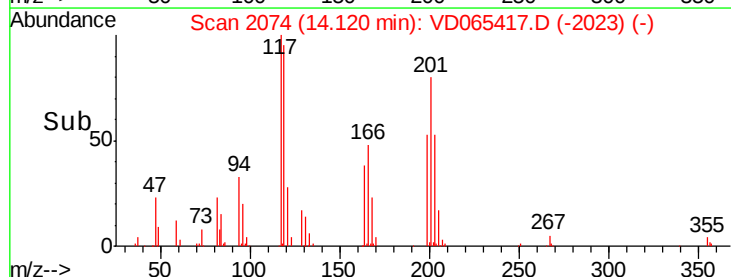
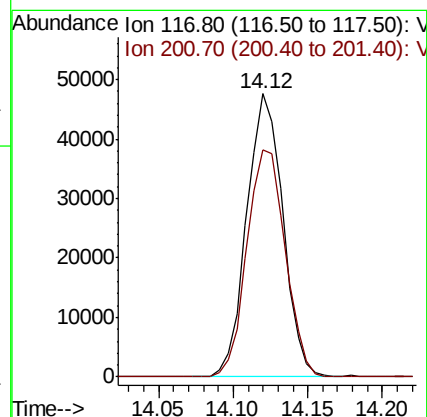
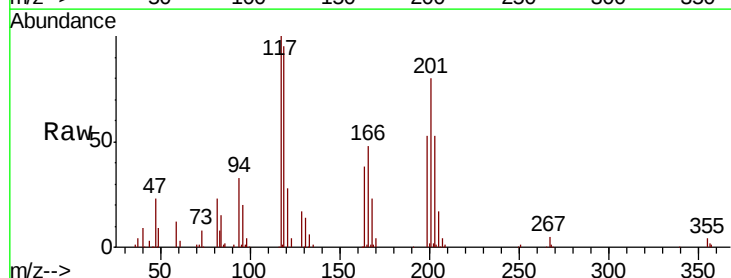
Acq: 04 Mar 2020 18:14

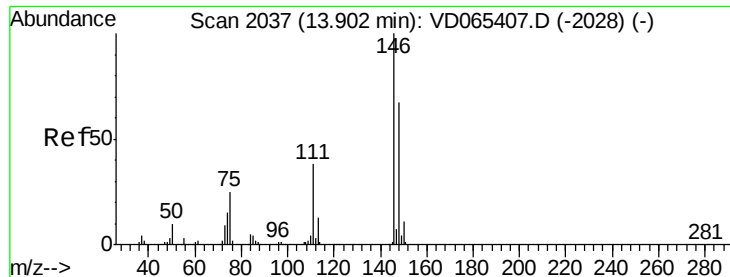
Tgt Ion: 117 Resp: 79926

Ion Ratio Lower Upper

117 100

201 84.8 41.9 125.6

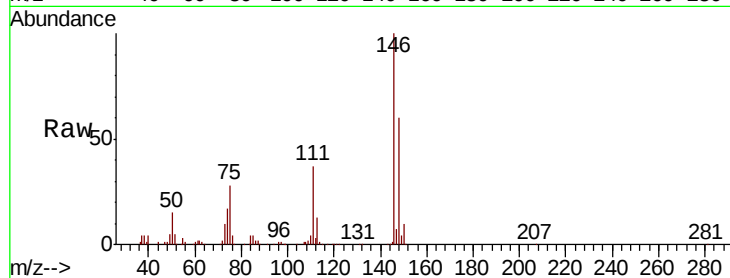




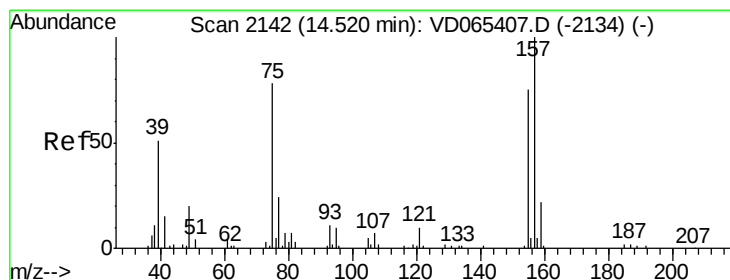
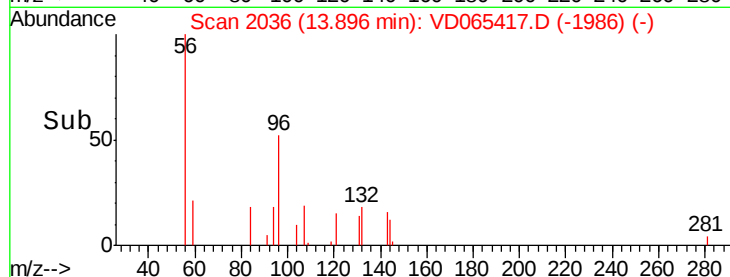
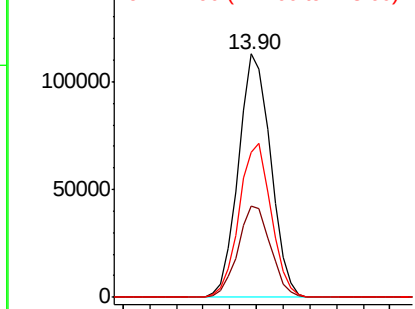
#91
 1,2-Dichlorobenzene
 Concen: 21.138 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065417.D
 Acq: 04 Mar 2020 18:14

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.8	59.3
148	63.1	32.6	97.8

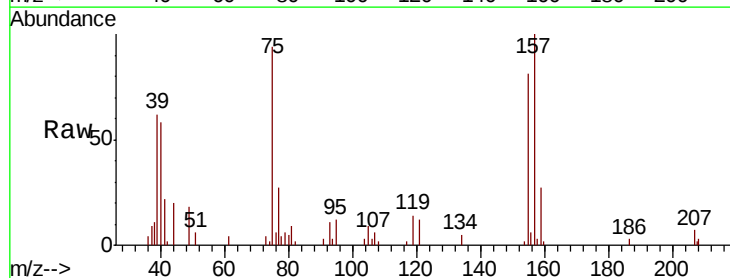


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

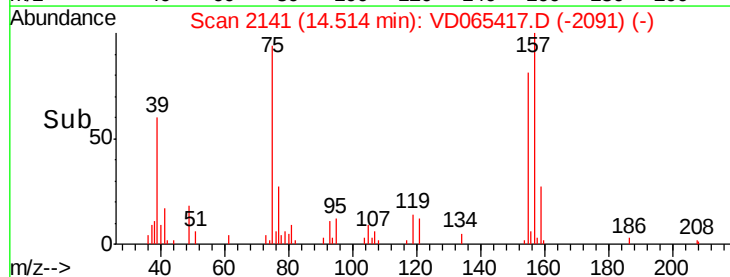
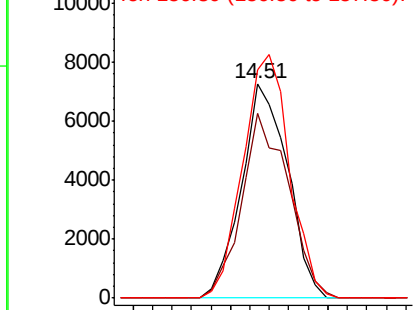


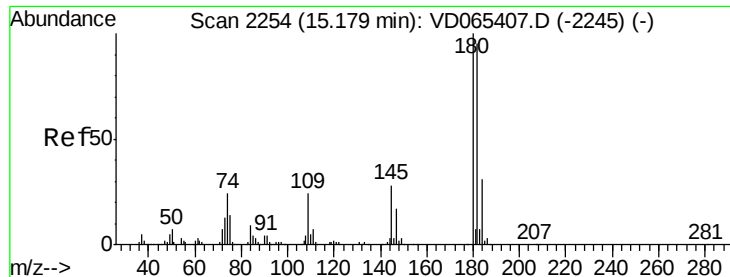
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.267 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065417.D
 Acq: 04 Mar 2020 18:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.7	46.4	139.1
157	114.7	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

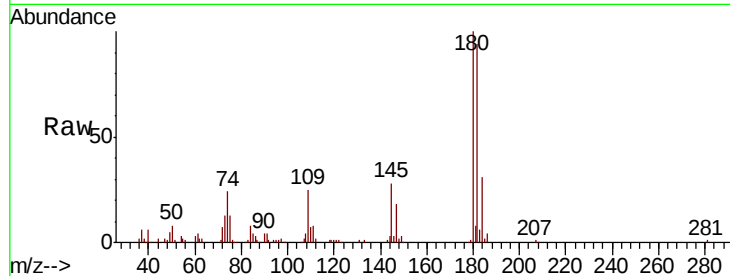




#93
 1,2,4-Trichlorobenzene
 Concen: 20.852 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065417.D
 Acq: 04 Mar 2020 18:14

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.3	144.9
145	28.4	14.4	43.4

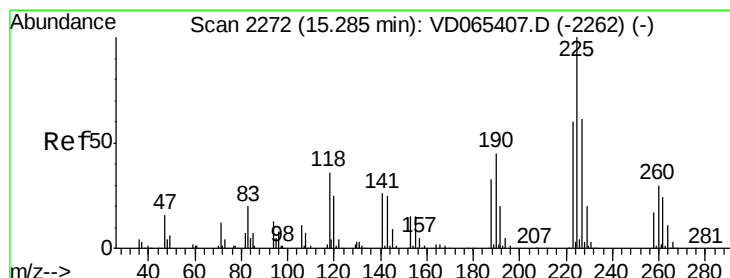
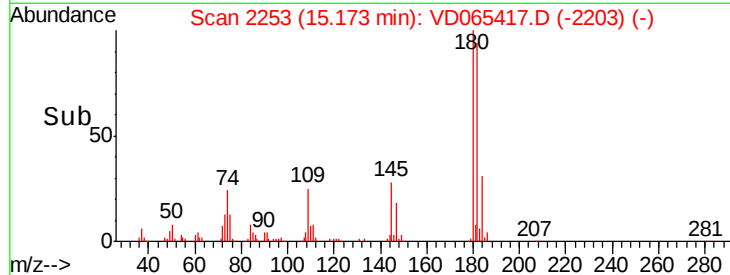
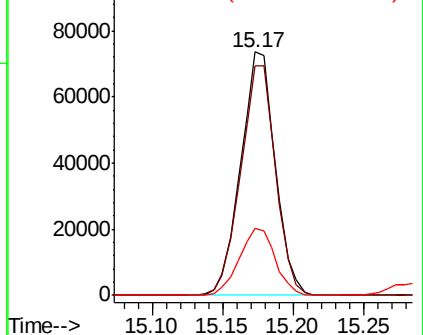


Abundance

Ion 179.80 (179.50 to 180.50): V

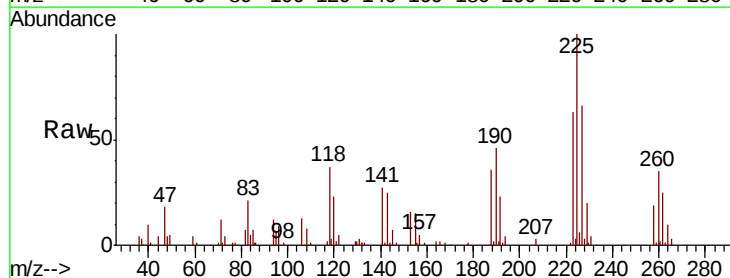
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.232 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065417.D
 Acq: 04 Mar 2020 18:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.0	30.9	92.5
227	66.1	31.6	94.7

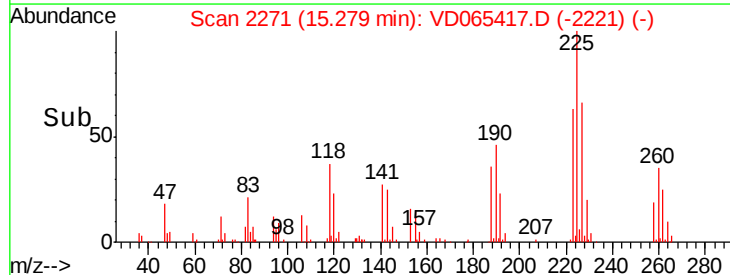
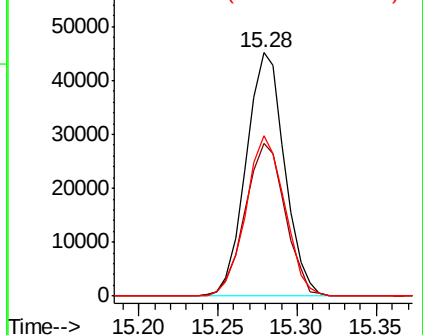


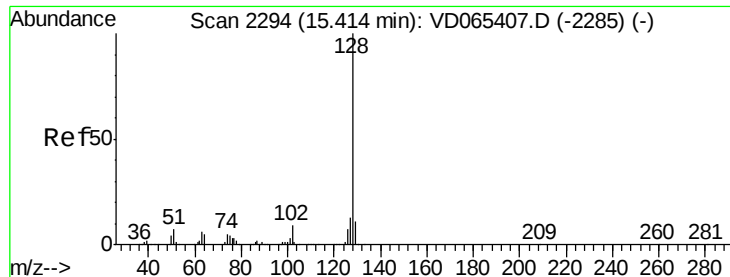
Abundance

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

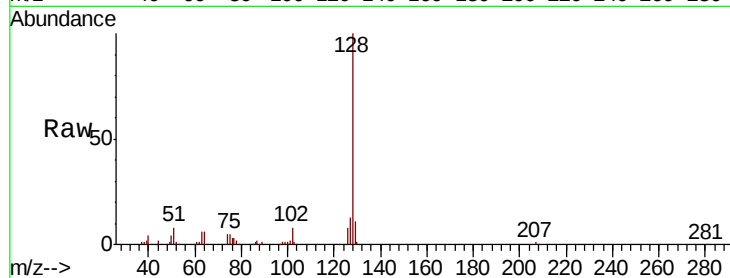




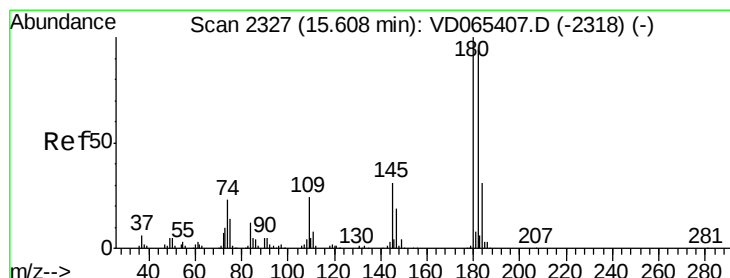
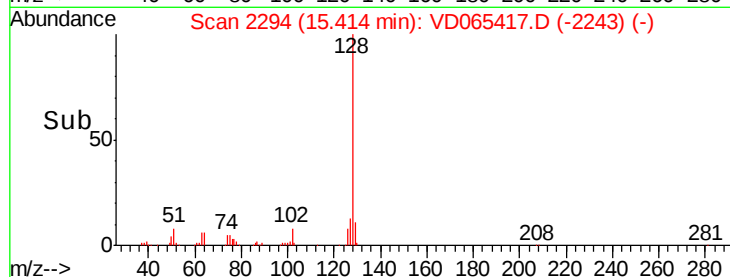
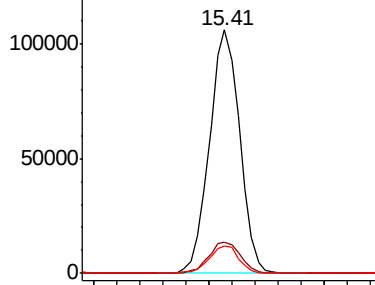
#95
Naphthalene
Concen: 20.779 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 193523
Ion Ratio Lower Upper
128 100
127 13.5 10.6 16.0
129 11.1 8.7 13.1

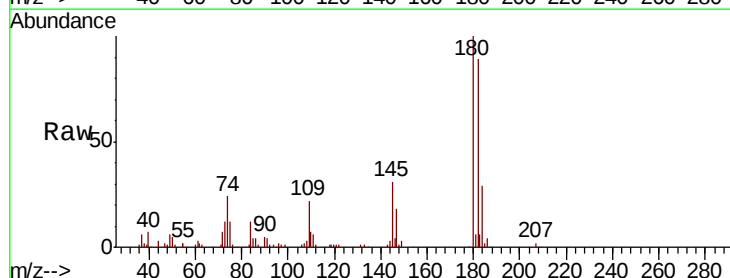


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 21.275 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065417.D
Acq: 04 Mar 2020 18:14

Tgt Ion:180 Resp: 111179
Ion Ratio Lower Upper
180 100
182 93.4 46.9 140.6
145 29.9 15.0 45.1



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

