

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041720\
 Data File : VD065656.D
 Acq On : 17 Apr 2020 20:45
 Operator : VA/SY
 Sample : VD0417SBS01
 Misc : 5.65G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBS01

Quant Time: Apr 20 07:03:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 15 19:43:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	201462	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	298449	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	292874	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	154947	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	102121	59.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.18%	
35) Dibromofluoromethane	7.92	113	100947	54.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.70%	
50) Toluene-d8	10.34	98	371422	54.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.48%	
62) 4-Bromofluorobenzene	12.64	95	124446	54.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	27640	16.476	ug/l	97
3) Chloromethane	2.21	50	33981	18.561	ug/l	97
4) Vinyl Chloride	2.35	62	38131	19.171	ug/l	100
5) Bromomethane	2.75	94	24084	22.294	ug/l	95
6) Chloroethane	2.91	64	23171	19.595	ug/l	96
7) Trichlorofluoromethane	3.27	101	54015	19.049	ug/l	98
8) Diethyl Ether	3.70	74	12548	21.544	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	25592	19.798	ug/l	99
10) Methyl Iodide	4.29	142	20223	15.374	ug/l	99
11) Tert butyl alcohol	5.24	59	9403	110.657	ug/l #	92
12) 1,1-Dichloroethene	4.06	96	22205	19.110	ug/l	96
13) Acrolein	3.92	56	7633	100.636	ug/l	92
14) Allyl chloride	4.71	41	51303	26.241	ug/l	90
15) Acrylonitrile	5.43	53	41598	118.599	ug/l	98
16) Acetone	4.17	43	25345	103.407	ug/l	92
17) Carbon Disulfide	4.40	76	97884	22.839	ug/l	99
18) Methyl Acetate	4.72	43	21530	27.445	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	70406	21.397	ug/l	96
20) Methylene Chloride	4.96	84	48157	31.080	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	38693	20.608	ug/l	99
22) Diisopropyl ether	6.37	45	113199	21.108	ug/l	97
23) Vinyl Acetate	6.31	43	298365	102.032	ug/l	100
24) 1,1-Dichloroethane	6.26	63	67777	20.004	ug/l	100
25) 2-Butanone	7.22	43	48883	106.890	ug/l	95
26) 2,2-Dichloropropane	7.21	77	53494	18.114	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	40583	19.483	ug/l	99
28) Bromochloromethane	7.55	49	32871	24.291	ug/l	100
29) Tetrahydrofuran	7.57	42	30860	106.351	ug/l	97
30) Chloroform	7.71	83	70668	20.379	ug/l	98
31) Cyclohexane	7.98	56	57328	17.762	ug/l #	94
32) 1,1,1-Trichloroethane	7.91	97	60888	19.529	ug/l	99
36) 1,1-Dichloropropene	8.11	75	51740	17.954	ug/l	99
37) Ethyl Acetate	7.30	43	22298	19.402	ug/l	97
38) Carbon Tetrachloride	8.10	117	57421	18.602	ug/l	99

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 Misc : 5.65G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
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Quant Time: Apr 20 07:03:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 15 19:43:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	55320	16.496	ug/l	96
40) Benzene	8.36	78	155839	18.809	ug/l	100
41) Methacrylonitrile	7.56	41	31740	55.763	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	47170	20.773	ug/l	99
43) Isopropyl Acetate	8.46	43	41383	19.997	ug/l	99
44) Trichloroethene	9.11	130	41815	18.029	ug/l	97
45) 1,2-Dichloropropane	9.39	63	39531	19.440	ug/l	98
46) Dibromomethane	9.48	93	21074	20.041	ug/l	98
47) Bromodichloromethane	9.67	83	56421	20.149	ug/l	99
48) Methyl methacrylate	9.46	41	19083	18.364	ug/l #	90
49) 1,4-Dioxane	9.47	88	4949	405.013	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	107538	99.144	ug/l	98
52) Toluene	10.41	92	100462	19.668	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	49158	19.119	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	59499	19.121	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	31523	21.194	ug/l	98
56) Ethyl methacrylate	10.67	69	30738	18.840	ug/l	97
57) 1,3-Dichloropropane	10.95	76	51342	20.272	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	90353	108.427	ug/l	99
59) 2-Hexanone	10.99	43	72233	97.344	ug/l	99
60) Dibromochloromethane	11.14	129	40140	20.491	ug/l	98
61) 1,2-Dibromoethane	11.25	107	29174	20.385	ug/l	98
64) Tetrachloroethene	10.88	164	37804	17.990	ug/l	94
65) Chlorobenzene	11.67	112	110627	19.078	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	43032	19.410	ug/l	99
67) Ethyl Benzene	11.75	91	178062	17.968	ug/l	100
68) m/p-Xylenes	11.86	106	139065	36.323	ug/l	99
69) o-Xylene	12.18	106	60852	18.115	ug/l	100
70) Styrene	12.20	104	111946	18.827	ug/l	100
71) Bromoform	12.37	173	23761	19.077	ug/l #	98
73) Isopropylbenzene	12.48	105	158226	16.931	ug/l	100
74) N-amyl acetate	12.30	43	36492	18.538	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	34685	20.441	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	43222	34.694	ug/l #	100
77) Bromobenzene	12.77	156	46833	18.871	ug/l	98
78) n-propylbenzene	12.83	91	201562	17.829	ug/l	100
79) 2-Chlorotoluene	12.91	91	116386	18.128	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	141281	17.914	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	10338	18.186	ug/l	96
82) 4-Chlorotoluene	13.01	91	125572	18.176	ug/l	98
83) tert-Butylbenzene	13.23	119	113295	17.133	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	143406	18.239	ug/l	100
85) sec-Butylbenzene	13.41	105	160310	16.946	ug/l	99
86) p-Isopropyltoluene	13.53	119	144524	16.278	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	85182	17.531	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	87849	18.164	ug/l	96
89) n-Butylbenzene	13.85	91	130735	16.224	ug/l	98
90) Hexachloroethane	14.12	117	33227	17.845	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	78946	18.949	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5072	19.765	ug/l	90

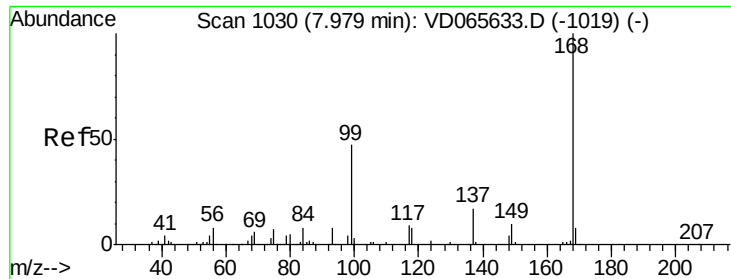
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD041720\
Data File : VD065656.D
Acq On : 17 Apr 2020 20:45
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D041520S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 15 19:43:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	48218	16.826	ug/l	98
94) Hexachlorobutadiene	15.28	225	32985	16.788	ug/l	100
95) Naphthalene	15.41	128	71593	17.487	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	44393	17.559	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD065656.D

Acq: 17 Apr 2020 20:45

Instrument :

MSVOA_D

ClientSampleId :

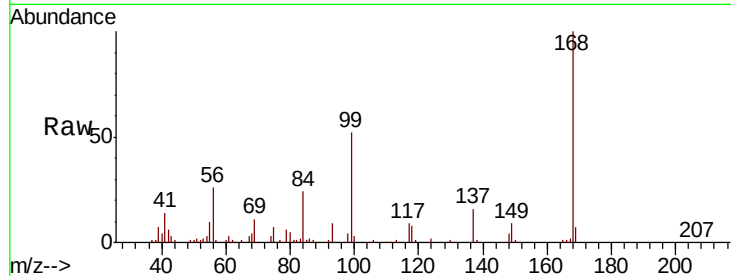
VD0417SBS01

Tot Ion:168 Resp: 201462

Ion Ratio Lower Upper

168 100

99 51.5 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

100000

80000

60000

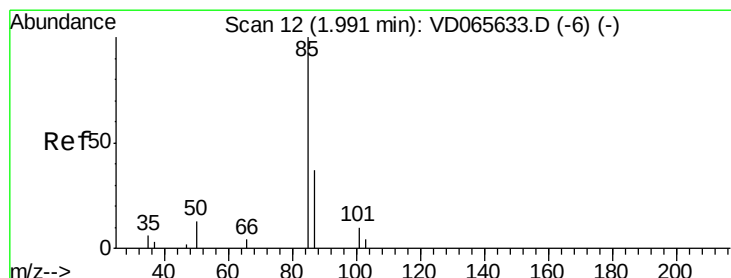
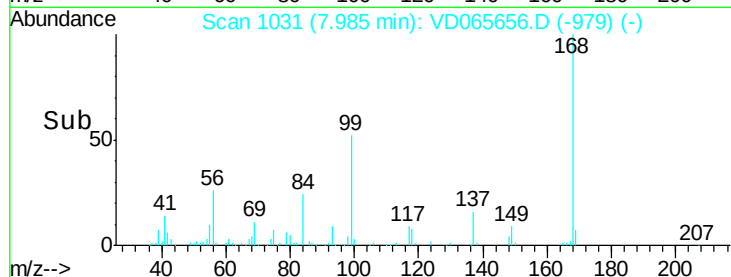
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 16.476 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD065656.D

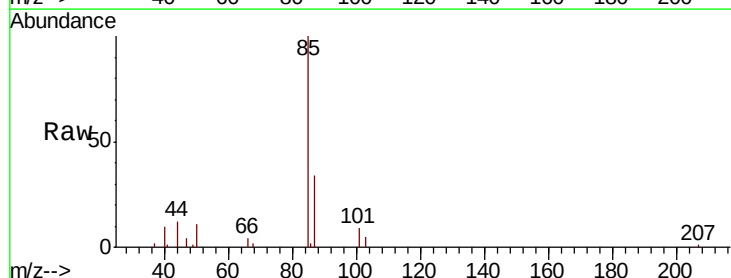
Acq: 17 Apr 2020 20:45

Tgt Ion: 85 Resp: 27640

Ion Ratio Lower Upper

85 100

87 33.6 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

20000

15000

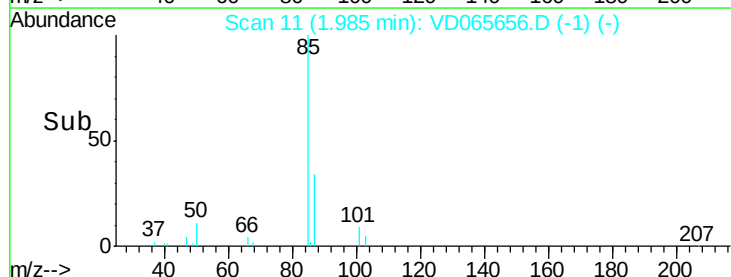
10000

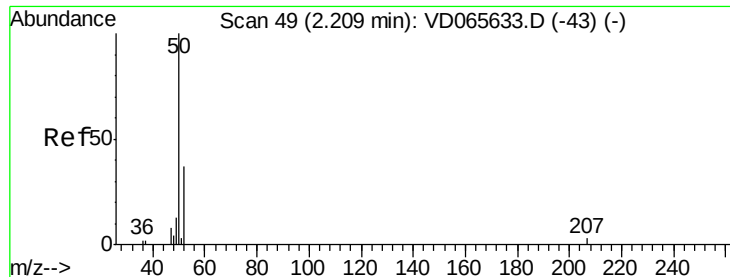
5000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 18.561 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065656.D

Acq: 17 Apr 2020 20:45

Instrument :

MSVOA_D

ClientSampleId :

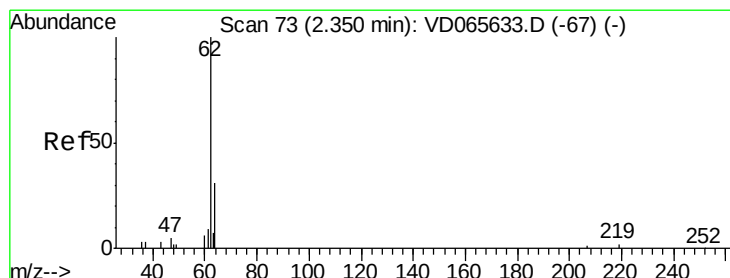
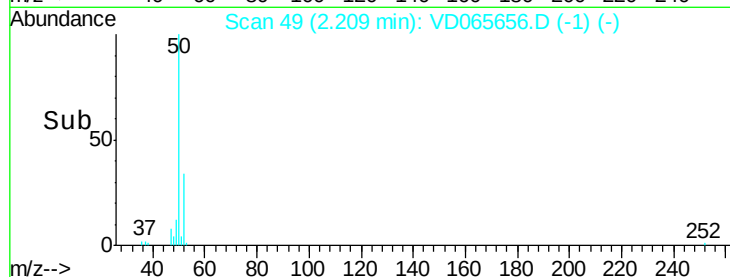
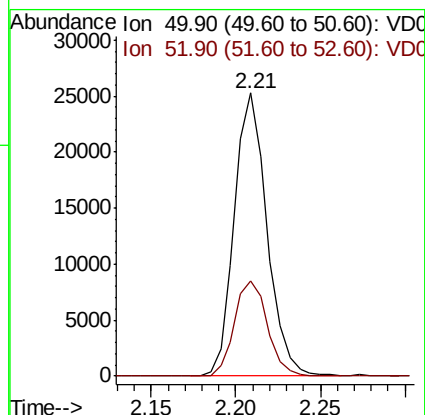
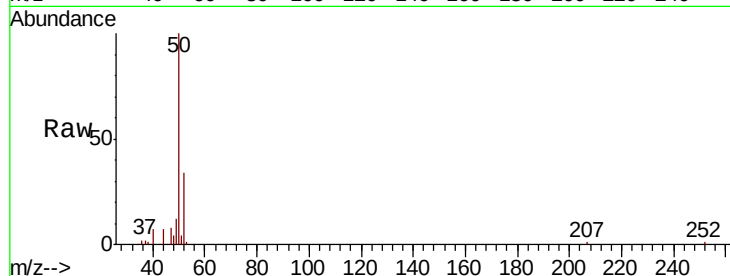
VD0417SBS01

Tot Ion: 50 Resp: 33981

Ion Ratio Lower Upper

50 100

52 33.6 25.7 38.5



#4

Vinyl Chloride

Concen: 19.171 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065656.D

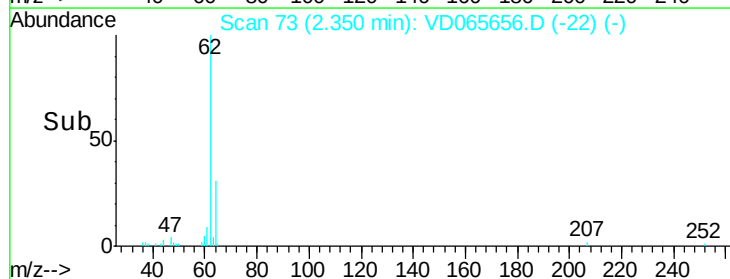
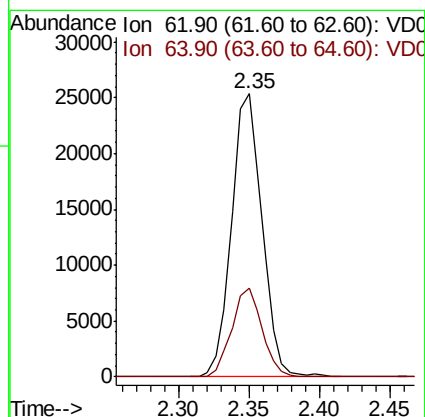
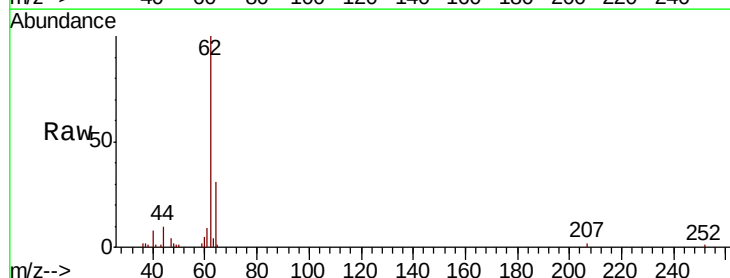
Acq: 17 Apr 2020 20:45

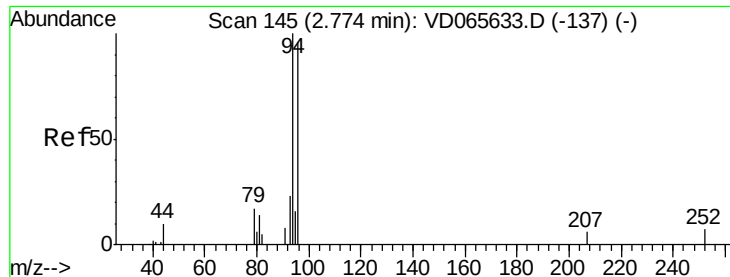
Tgt Ion: 62 Resp: 38131

Ion Ratio Lower Upper

62 100

64 31.2 25.1 37.7





#5

Bromomethane

Concen: 22.294 ug/l

RT: 2.75 min Scan# 141

Delta R.T. -0.02 min

Lab File: VD065656.D

Acq: 17 Apr 2020 20:45

Instrument :

MSVOA_D

ClientSampleId :

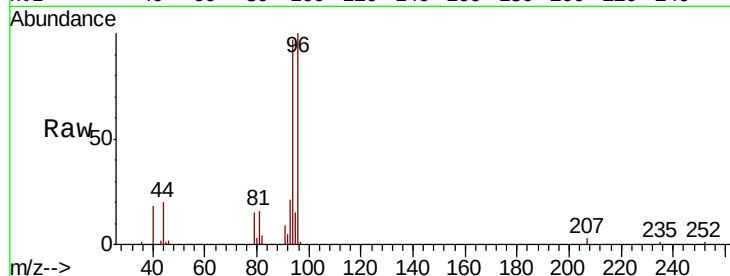
VD0417SBS01

Tot Ion: 94 Resp: 24084

Ion Ratio Lower Upper

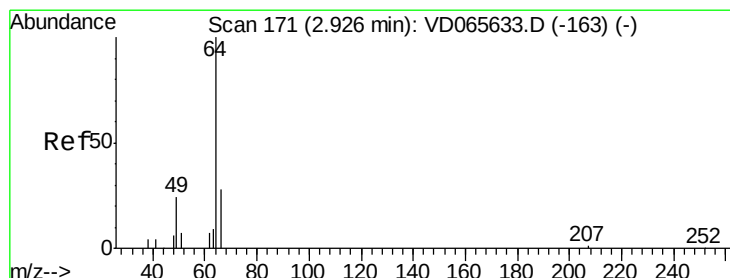
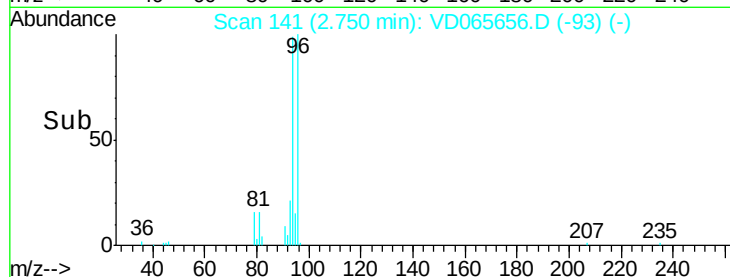
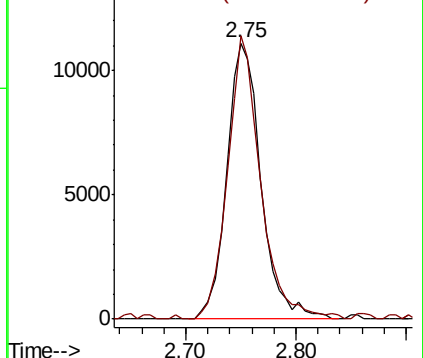
94 100

96 102.6 77.9 116.9



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.595 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD065656.D

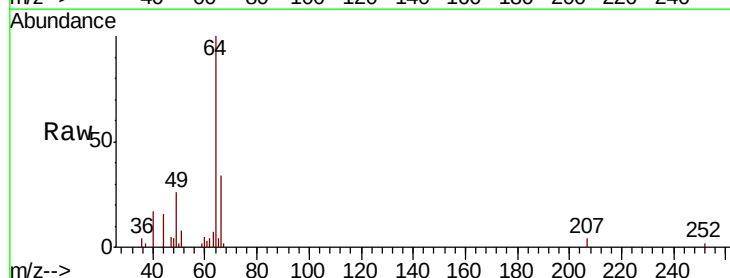
Acq: 17 Apr 2020 20:45

Tgt Ion: 64 Resp: 23171

Ion Ratio Lower Upper

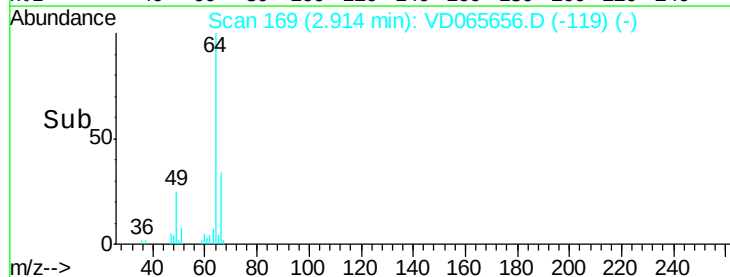
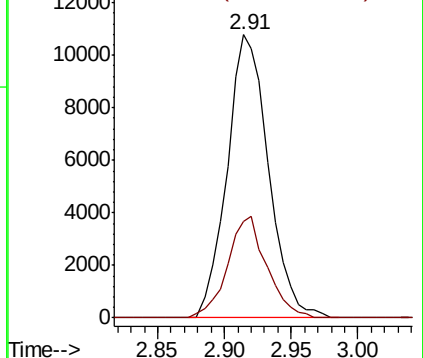
64 100

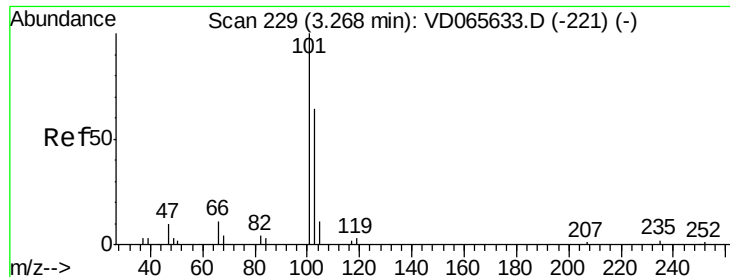
66 34.2 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



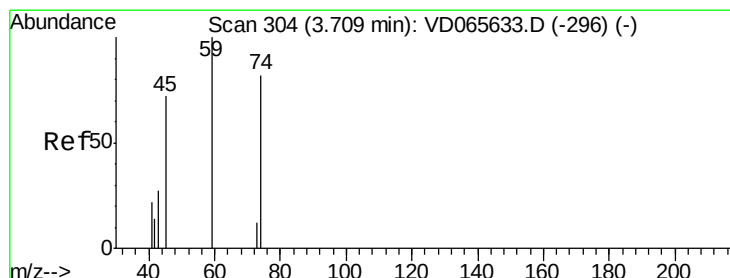
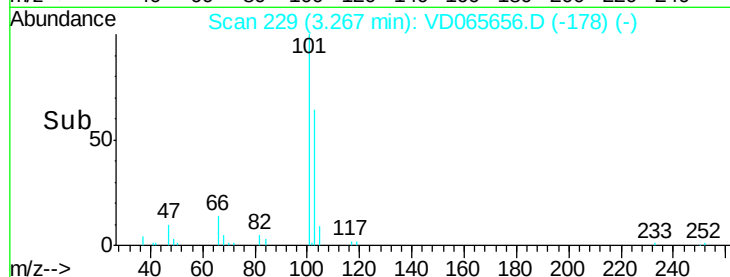
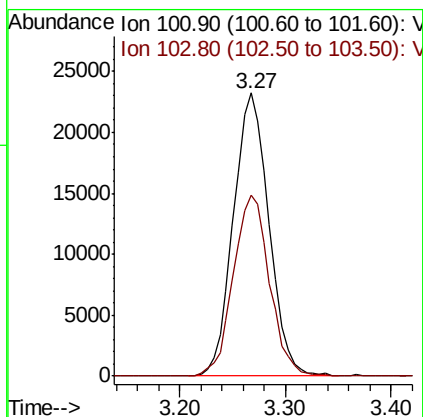
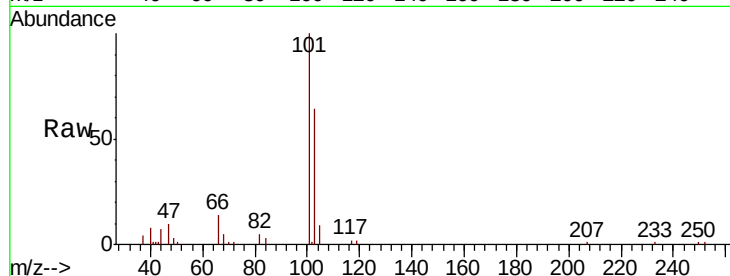


#7

Trichlorofluoromethane
 Concen: 19.049 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.00 min
 Lab File: VD065656.D
 Acq: 17 Apr 2020 20:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBS01

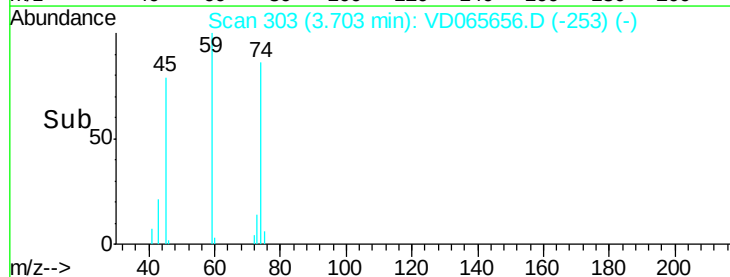
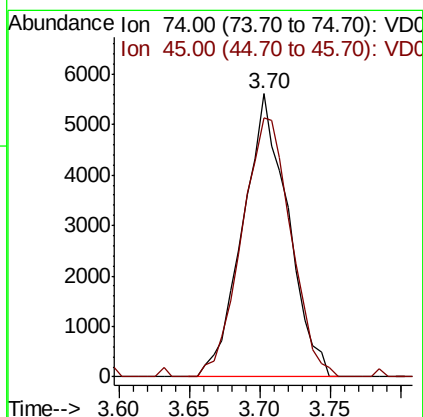
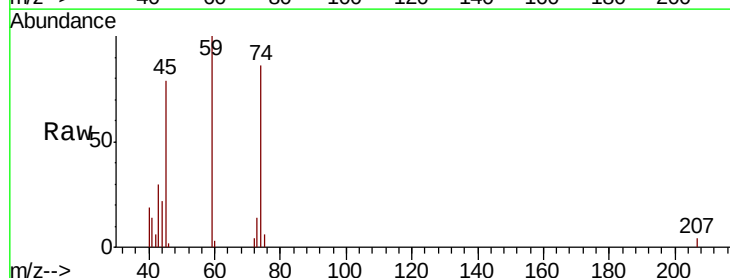
Tot Ion:101 Resp: 54015
 Ion Ratio Lower Upper
 101 100
 103 63.8 52.2 78.4

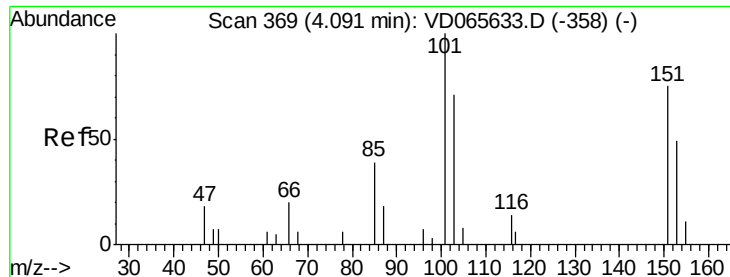


#8

Diethyl Ether
 Concen: 21.544 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD065656.D
 Acq: 17 Apr 2020 20:45

Tgt Ion: 74 Resp: 12548
 Ion Ratio Lower Upper
 74 100
 45 99.8 49.9 149.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.798 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.00 min

Lab File: VD065656.D

Acq: 17 Apr 2020 20:45

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBS01

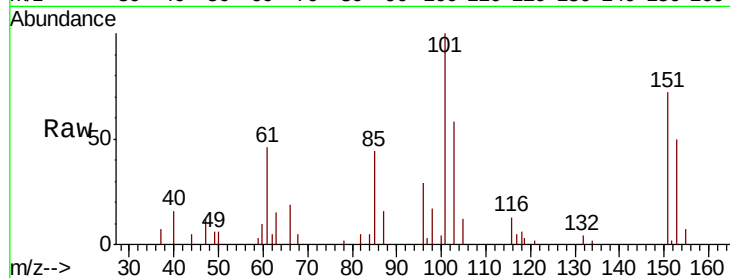
Tot Ion:101 Resp: 25592

Ion Ratio Lower Upper

101 100

85 46.1 36.2 54.2

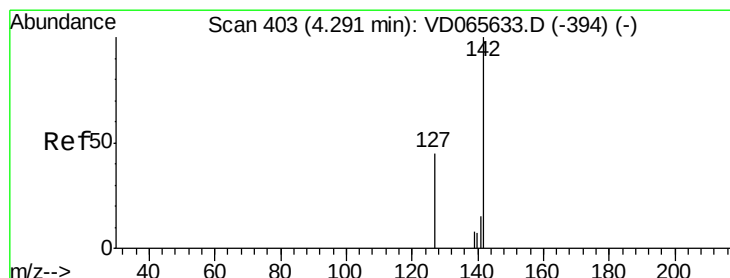
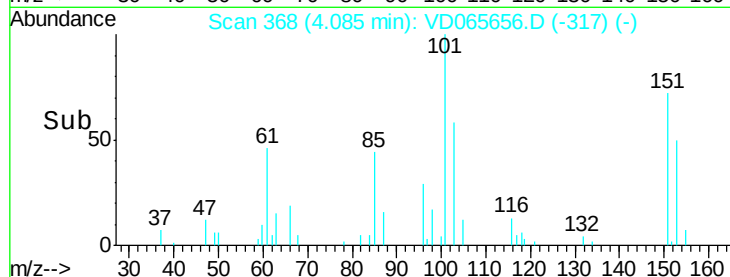
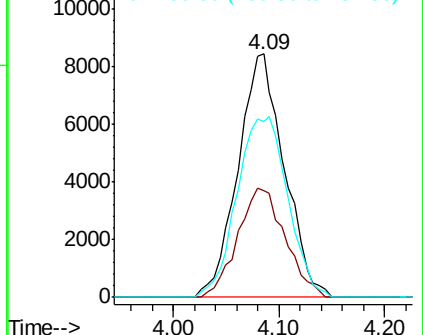
151 81.4 65.6 98.4



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: 15.374 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065656.D

Acq: 17 Apr 2020 20:45

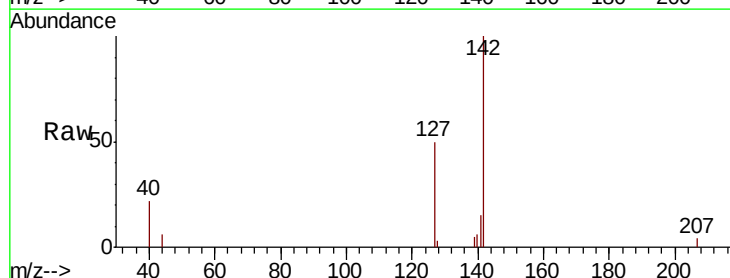
Tgt Ion:142 Resp: 20223

Ion Ratio Lower Upper

142 100

127 47.8 38.1 57.1

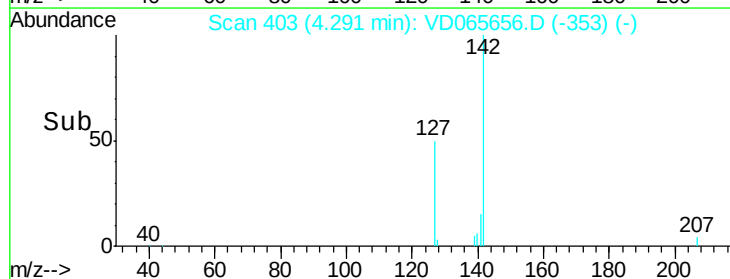
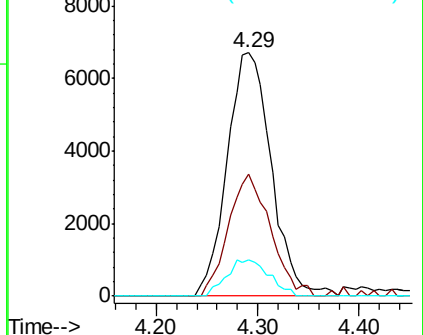
141 14.4 12.1 18.1

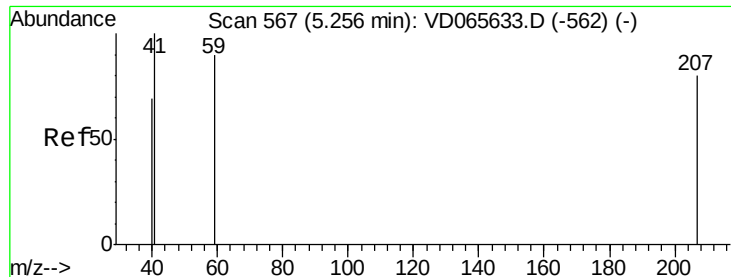


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



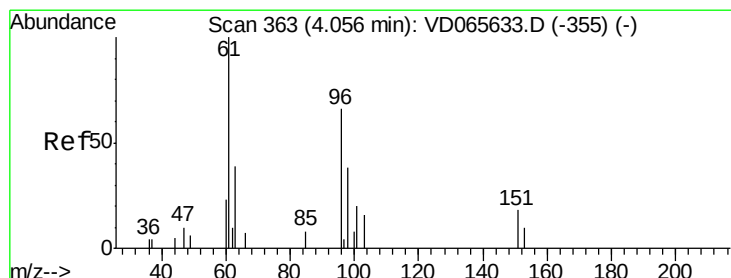
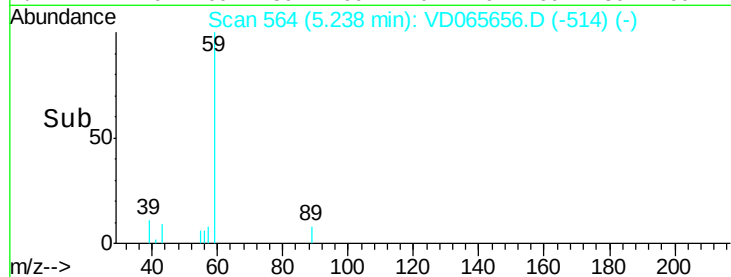
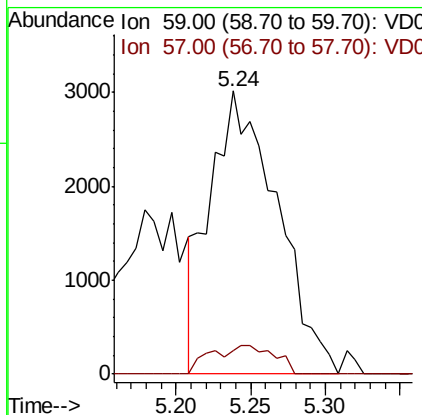
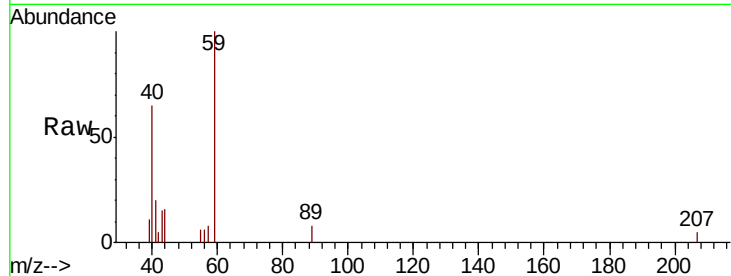


#11

Tert butyl alcohol
 Concen: 110.657 ug/l
 RT: 5.24 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VD065656.D
 Acq: 17 Apr 2020 20:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBS01

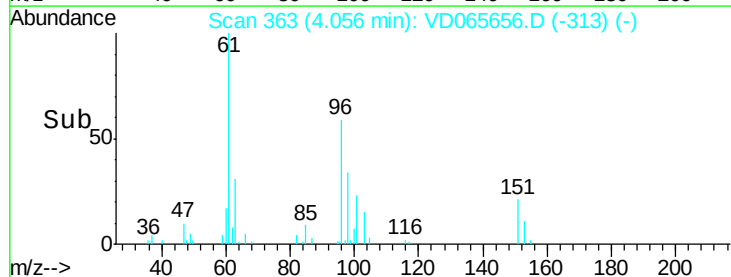
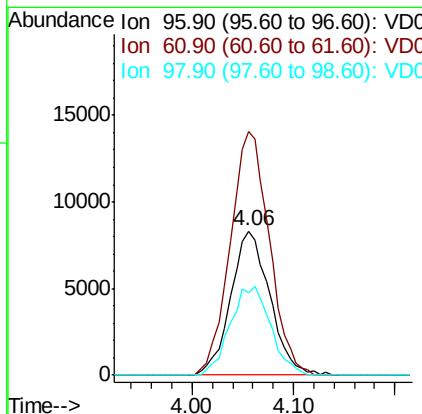
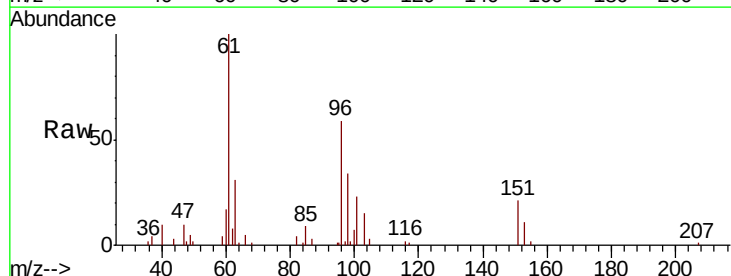
Tot Ion: 59 Resp: 9403
 Ion Ratio Lower Upper
 59 100
 57 6.4 7.4 11.2#

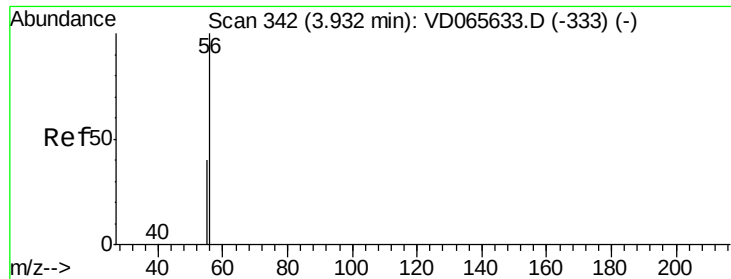


#12

1,1-Dichloroethene
 Concen: 19.110 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD065656.D
 Acq: 17 Apr 2020 20:45

Tgt Ion: 96 Resp: 22205
 Ion Ratio Lower Upper
 96 100
 61 168.6 136.2 204.2
 98 57.4 52.2 78.2

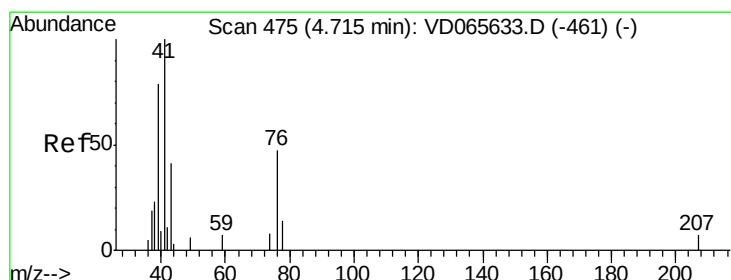
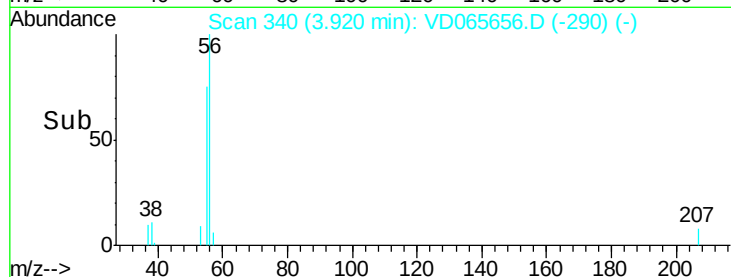
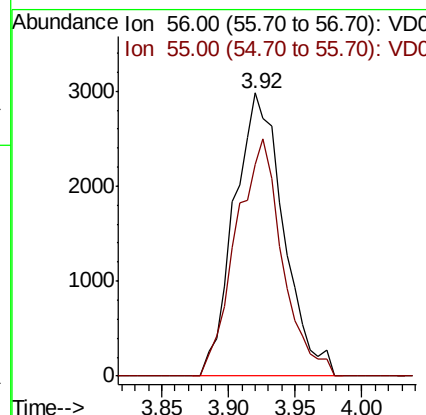
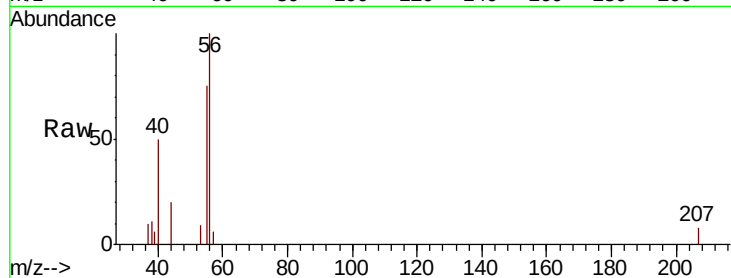




#13
Acrolein
Concen: 100.636 ug/l
RT: 3.92 min Scan# 340
Delta R.T. -0.01 min
Lab File: VD065656.D
Acq: 17 Apr 2020 20:45

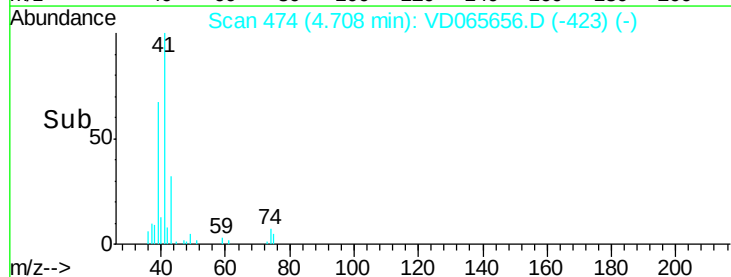
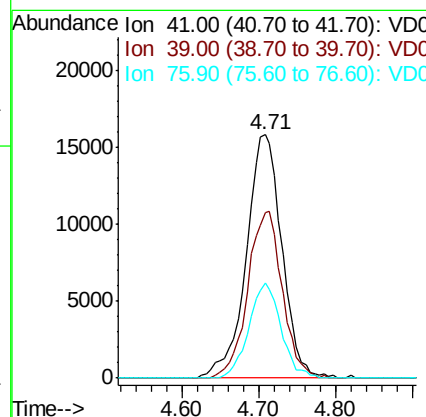
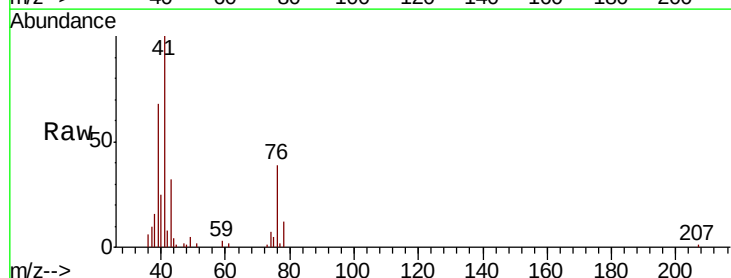
Instrument :
MSVOA_D
ClientSampleId :
VD0417SBS01

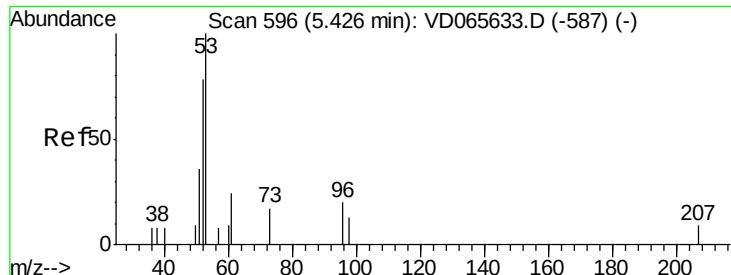
Tot Ion: 56 Resp: 7633
Ion Ratio Lower Upper
56 100
55 79.1 58.2 87.2



#14
Allyl chloride
Concen: 26.241 ug/l
RT: 4.71 min Scan# 474
Delta R.T. 0.00 min
Lab File: VD065656.D
Acq: 17 Apr 2020 20:45

Tgt Ion: 41 Resp: 51303
Ion Ratio Lower Upper
41 100
39 66.2 62.5 93.7
76 35.1 29.1 43.7





#15

Acrylonitrile

Concen: 118.599 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.00 min

Lab File: VD065656.D

Acq: 17 Apr 2020 20:45

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBS01

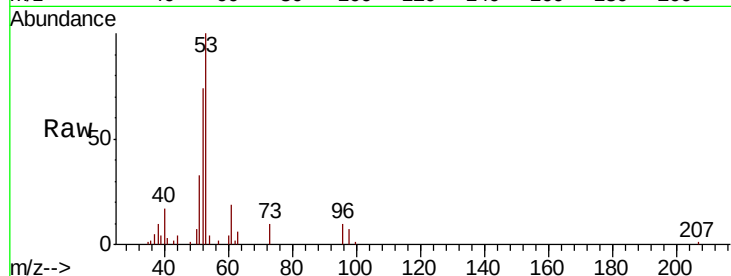
Tot Ion: 53 Resp: 41598

Ion Ratio Lower Upper

53 100

52 80.7 65.8 98.6

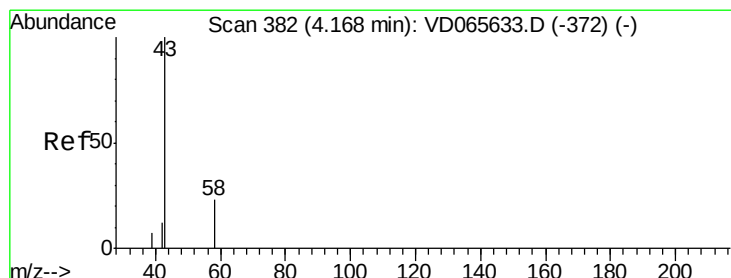
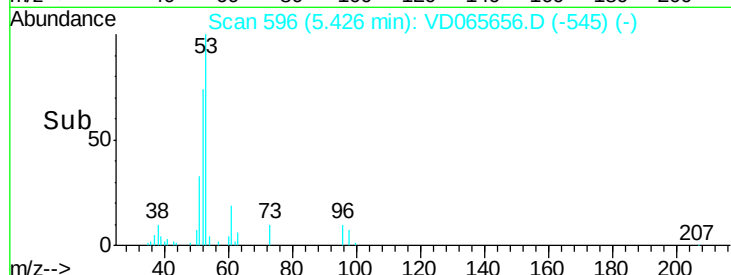
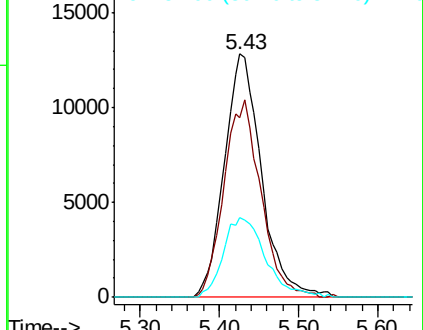
51 37.3 30.9 46.3



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: 103.407 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD065656.D

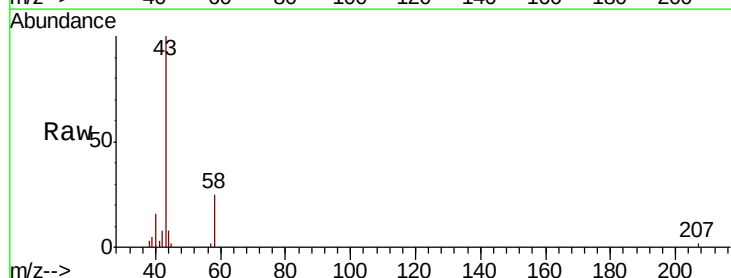
Acq: 17 Apr 2020 20:45

Tgt Ion: 43 Resp: 25345

Ion Ratio Lower Upper

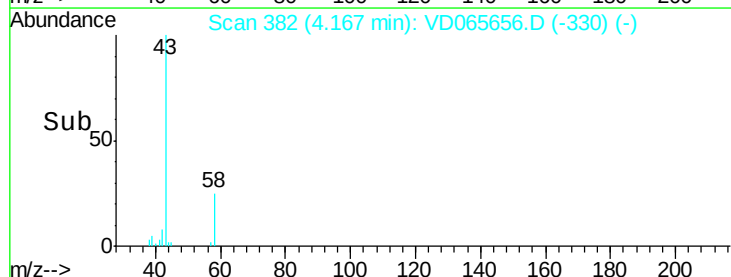
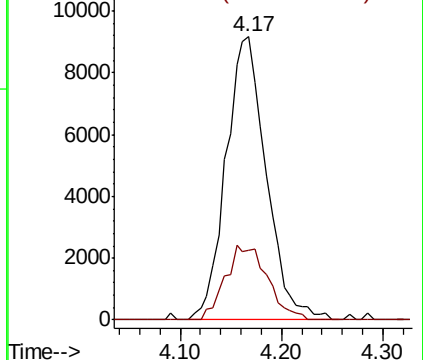
43 100

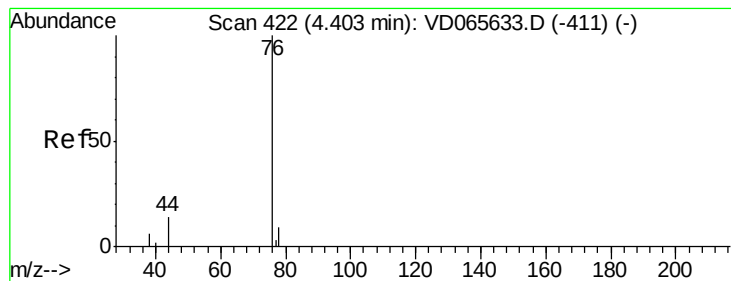
58 24.5 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 22.839 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.00 min

Lab File: VD065656.D

Acq: 17 Apr 2020 20:45

Instrument :

MSVOA_D

ClientSampleId :

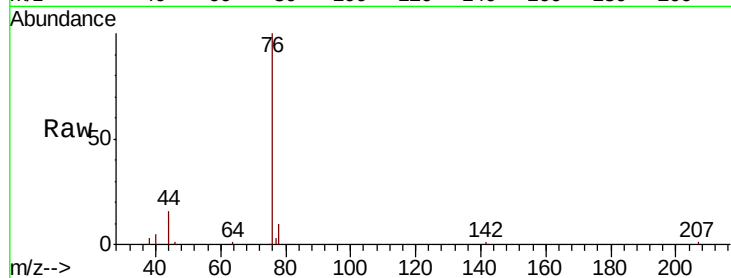
VD0417SBS01

Tot Ion: 76 Resp: 97884

Ion Ratio Lower Upper

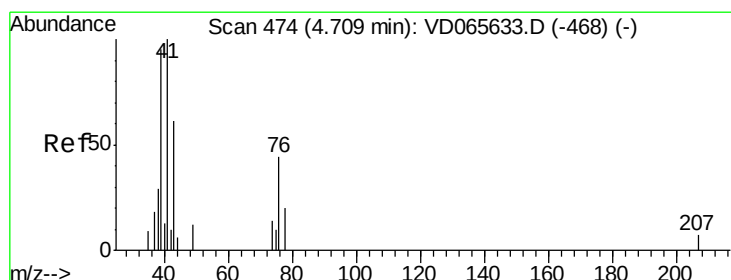
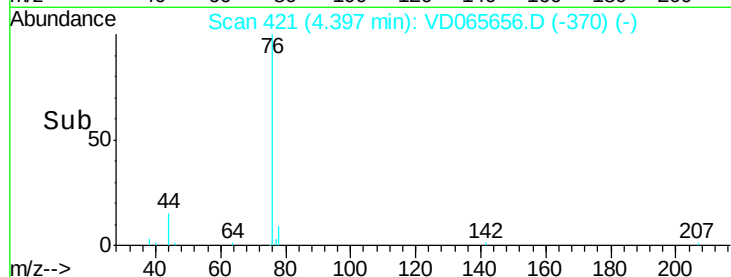
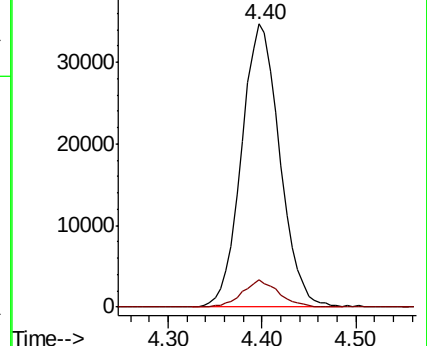
76 100

78 9.5 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 27.445 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD065656.D

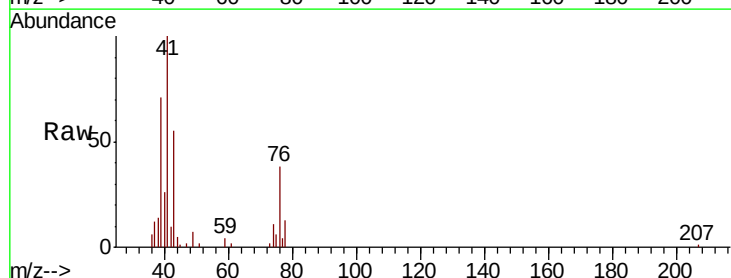
Acq: 17 Apr 2020 20:45

Tgt Ion: 43 Resp: 21530

Ion Ratio Lower Upper

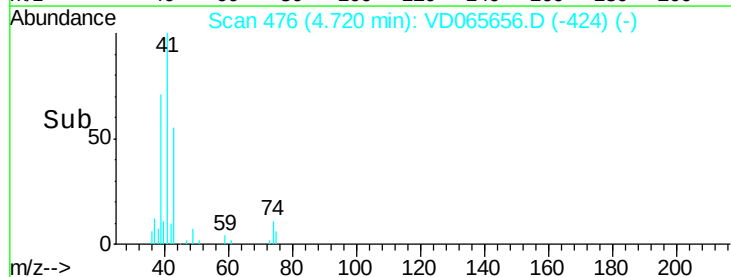
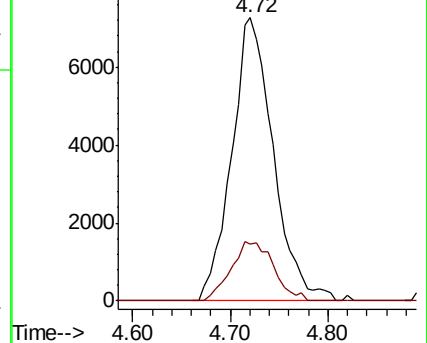
43 100

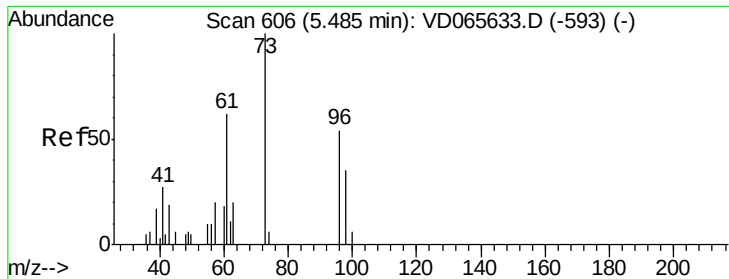
74 21.5 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



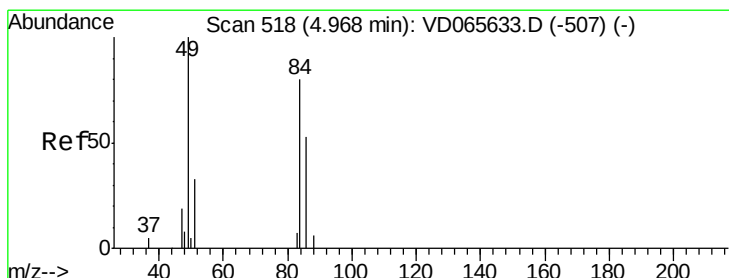
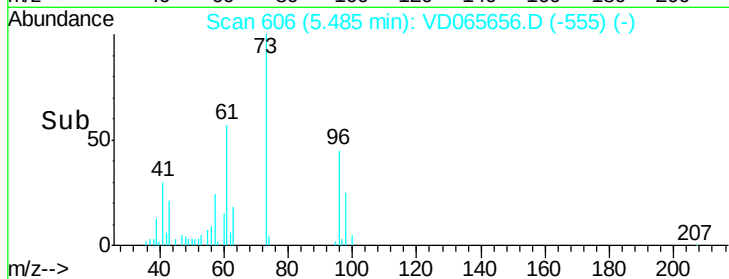
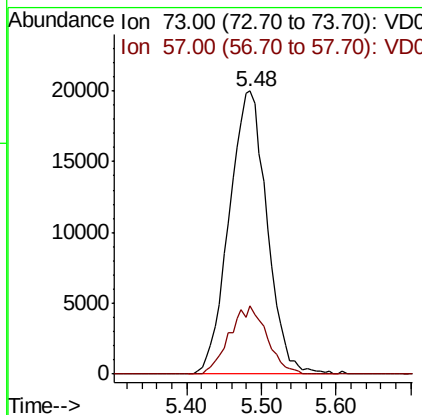
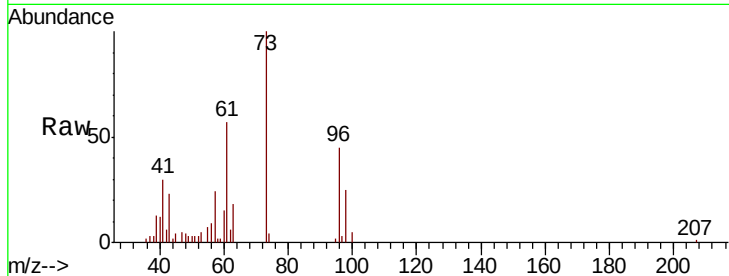


#19

Methyl tert-butyl Ether
 Concen: 21.397 ug/l
 RT: 5.48 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VD065656.D
 Acq: 17 Apr 2020 20:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBS01

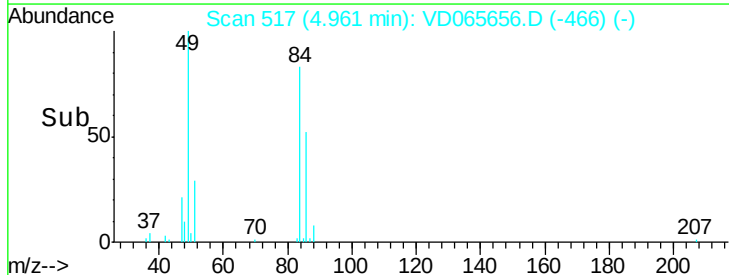
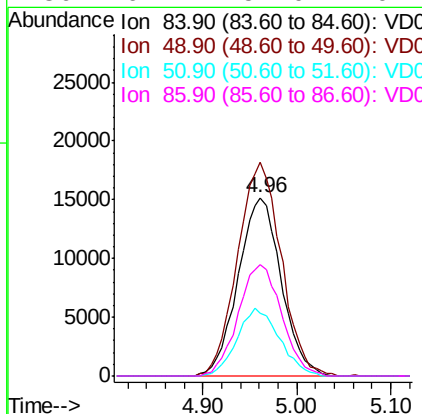
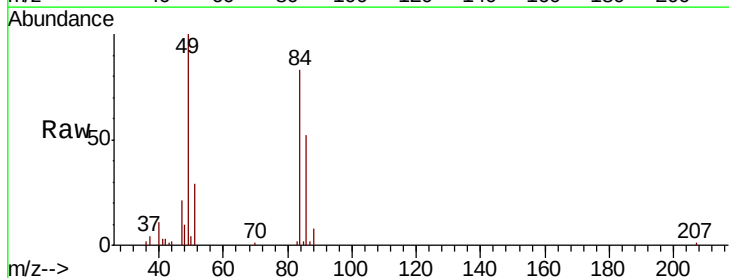
Tot Ion: 73 Resp: 70406
 Ion Ratio Lower Upper
 73 100
 57 24.1 17.8 26.8

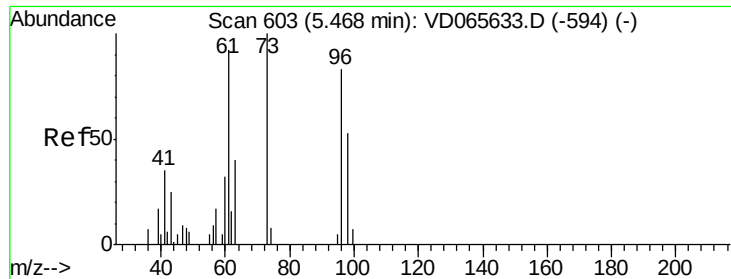


#20

Methylene Chloride
 Concen: 31.080 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD065656.D
 Acq: 17 Apr 2020 20:45

Tgt Ion: 84 Resp: 48157
 Ion Ratio Lower Upper
 84 100
 49 119.8 102.0 153.0
 51 35.2 30.8 46.2
 86 62.4 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 20.608 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD065656.D

Acq: 17 Apr 2020 20:45

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBS01

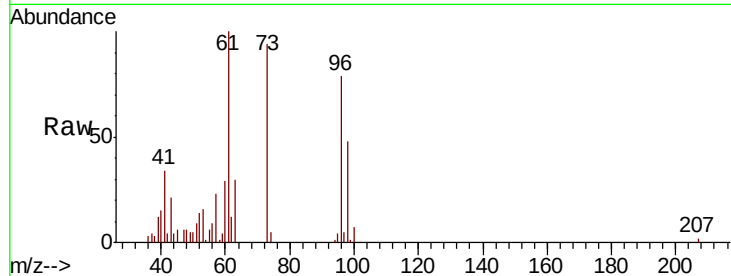
Tot Ion: 96 Resp: 38693

Ion Ratio Lower Upper

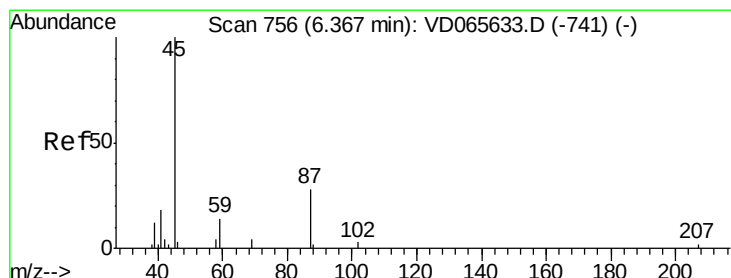
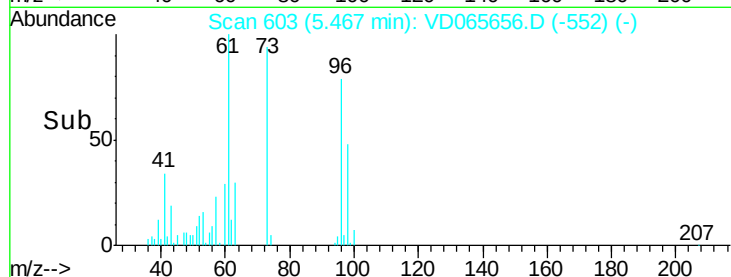
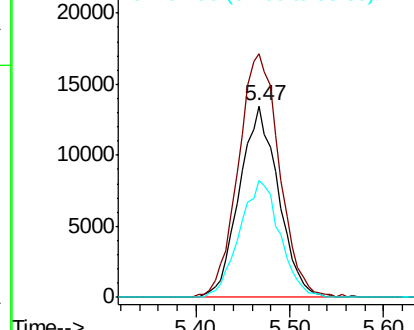
96 100

61 127.4 102.6 153.8

98 61.1 49.4 74.0



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: 21.108 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.00 min

Lab File: VD065656.D

Acq: 17 Apr 2020 20:45

Tgt Ion: 45 Resp: 113199

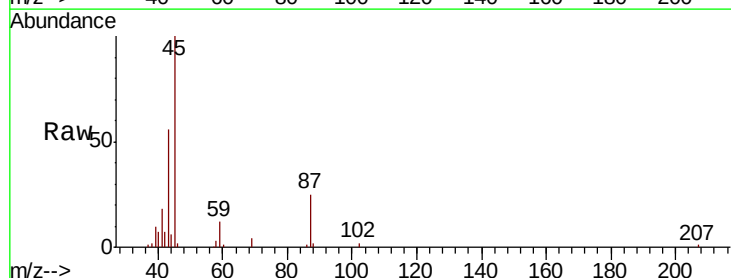
Ion Ratio Lower Upper

45 100

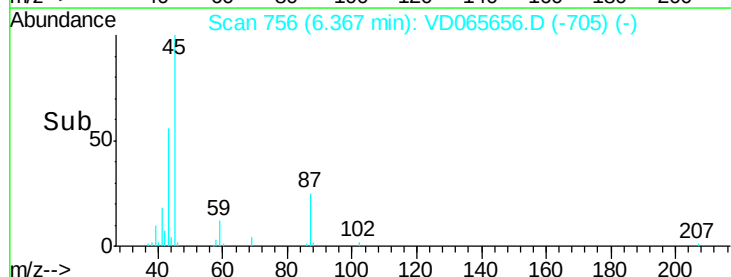
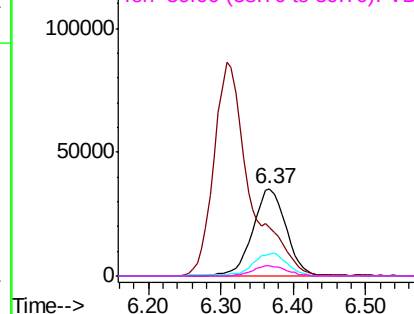
43 54.5 42.2 63.2

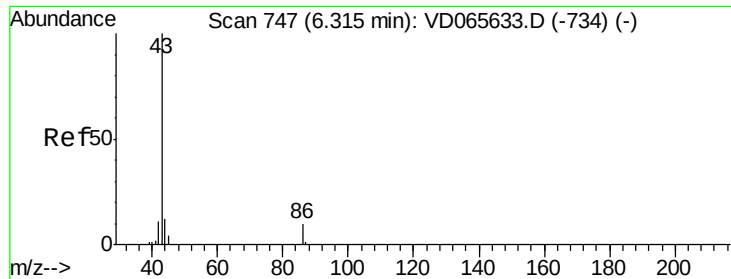
87 24.8 22.1 33.1

59 12.3 9.8 14.6



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: 102.032 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065656.D

Acq: 17 Apr 2020 20:45

Instrument :

MSVOA_D

ClientSampleId :

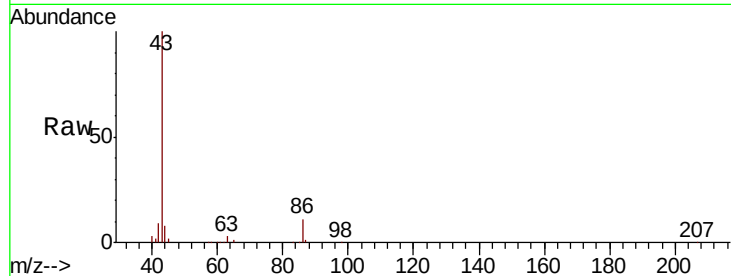
VD0417SBS01

Tot Ion: 43 Resp: 298365

Ion Ratio Lower Upper

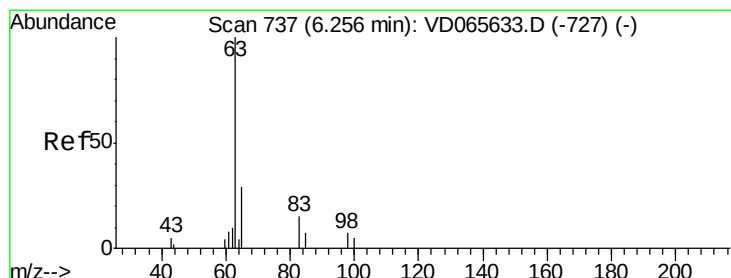
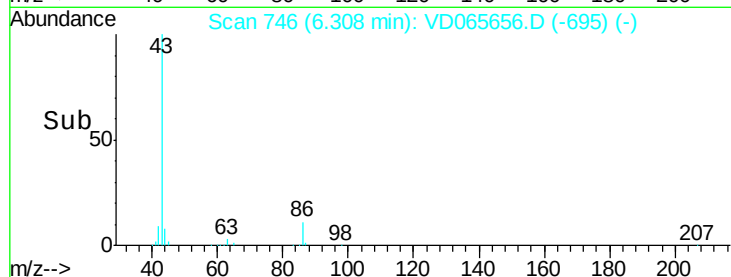
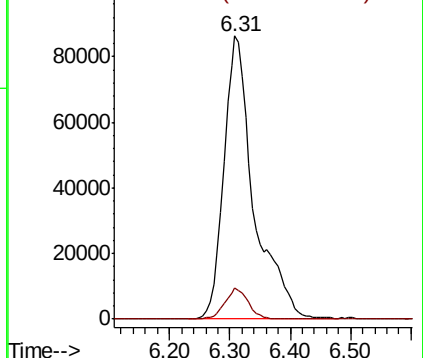
43 100

86 11.0 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.004 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD065656.D

Acq: 17 Apr 2020 20:45

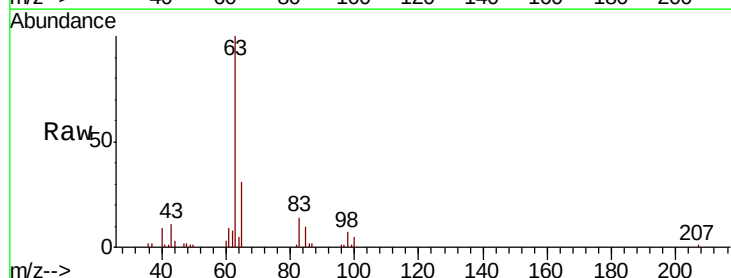
Tgt Ion: 63 Resp: 67777

Ion Ratio Lower Upper

63 100

98 7.2 3.6 10.8

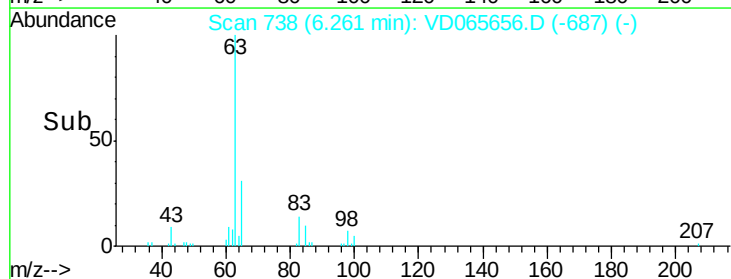
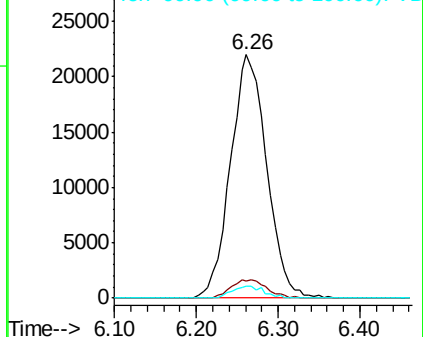
100 4.9 2.4 7.2

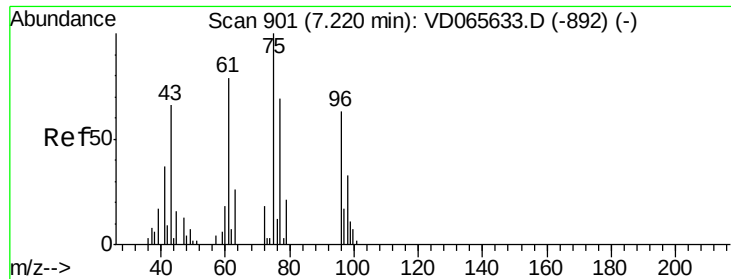


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 106.890 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065656.D

Acq: 17 Apr 2020 20:45

Instrument :

MSVOA_D

ClientSampleId :

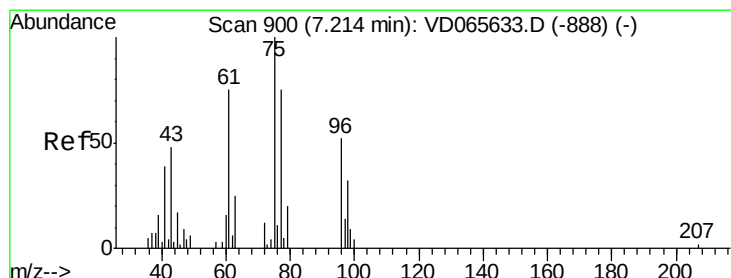
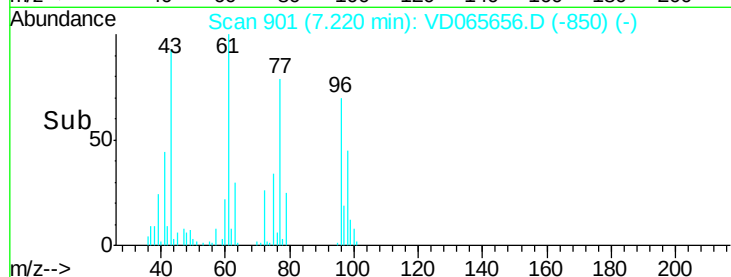
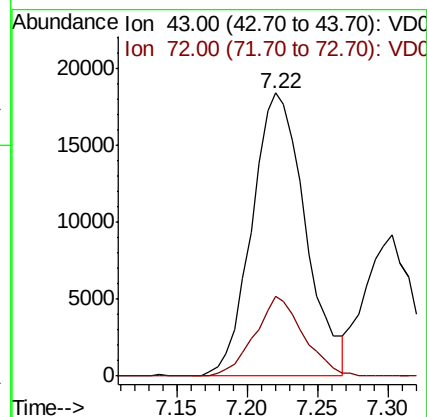
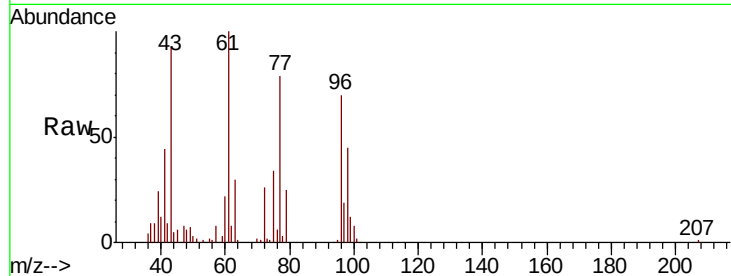
VD0417SBS01

Tot Ion: 43 Resp: 48883

Ion Ratio Lower Upper

43 100

72 28.3 20.5 30.7



#26

2,2-Dichloropropane

Concen: 18.114 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD065656.D

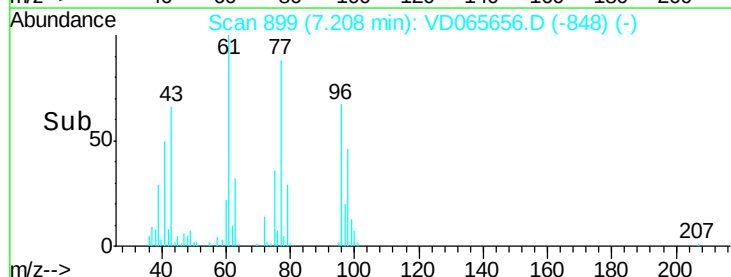
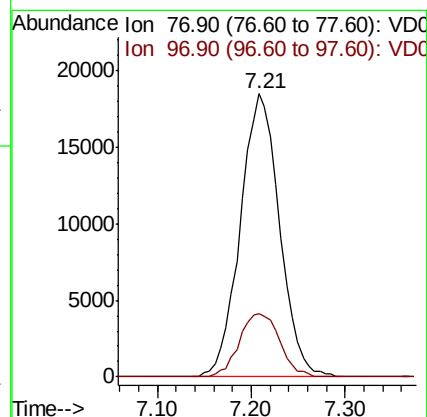
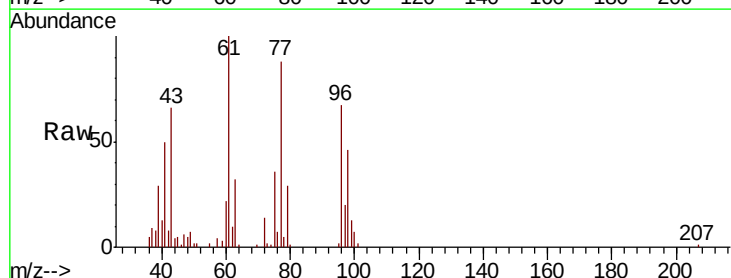
Acq: 17 Apr 2020 20:45

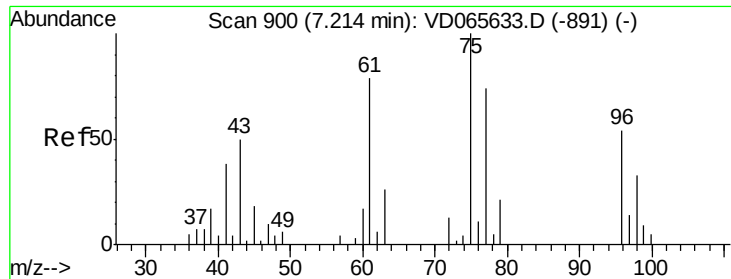
Tgt Ion: 77 Resp: 53494

Ion Ratio Lower Upper

77 100

97 23.0 11.5 34.5



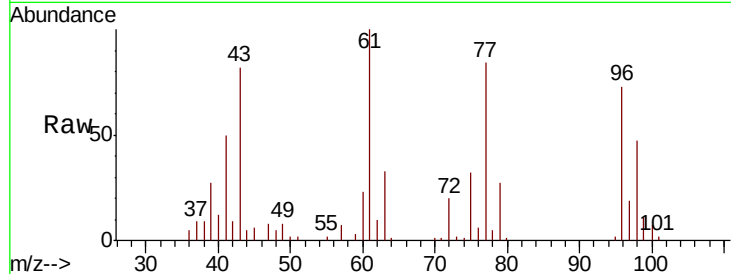


#27

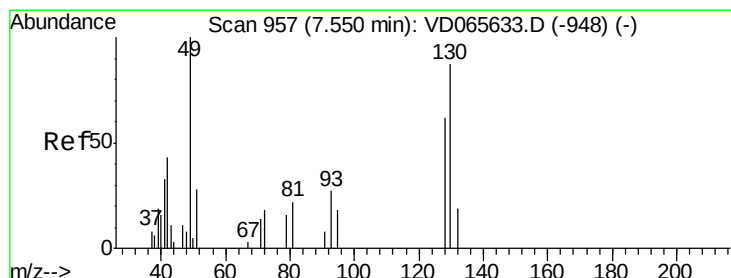
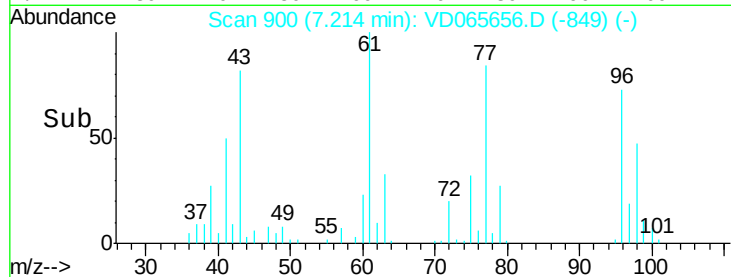
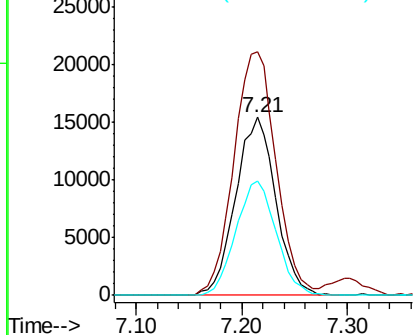
cis-1,2-Dichloroethene
Concen: 19.483 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD065656.D
Acq: 17 Apr 2020 20:45

Instrument :
MSVOA_D
ClientSampleId :
VD0417SBS01

Tot Ion: 96 Resp: 40583
Ion Ratio Lower Upper
96 100
61 143.8 0.0 286.2
98 64.4 0.0 128.0



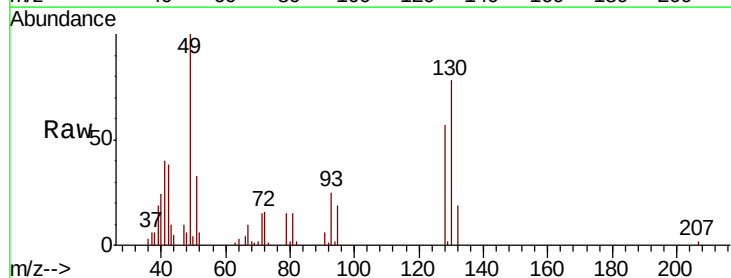
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



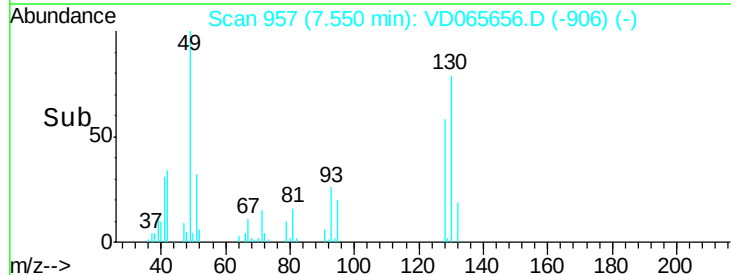
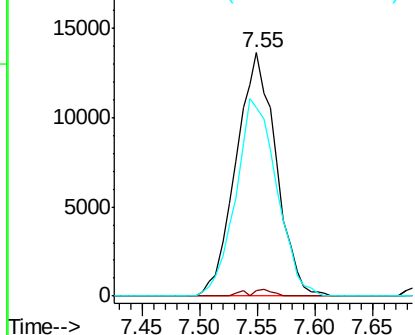
#28

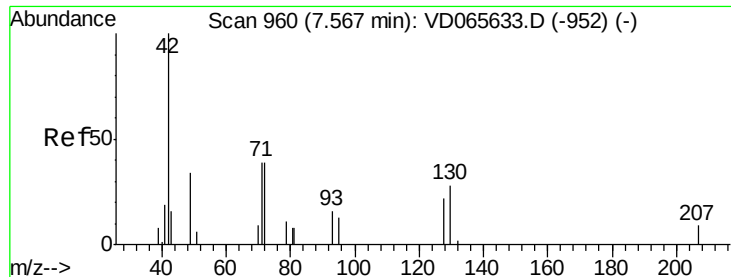
Bromochloromethane
Concen: 24.291 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD065656.D
Acq: 17 Apr 2020 20:45

Tgt Ion: 49 Resp: 32871
Ion Ratio Lower Upper
49 100
129 1.2 0.0 4.2
130 82.9 66.2 99.2



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





#29

Tetrahydrofuran

Concen: 106.351 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.00 min

Lab File: VD065656.D

Acq: 17 Apr 2020 20:45

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBS01

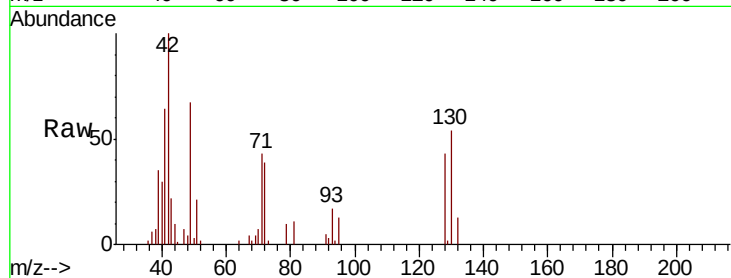
Tot Ion: 42 Resp: 30860

Ion Ratio Lower Upper

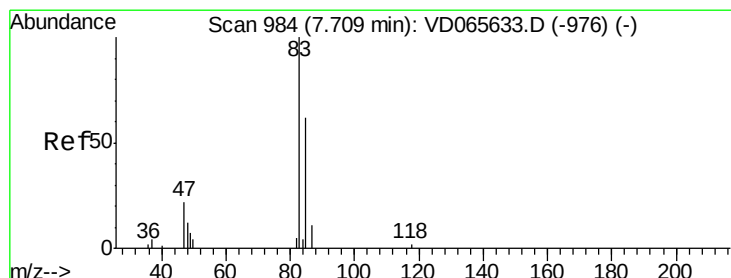
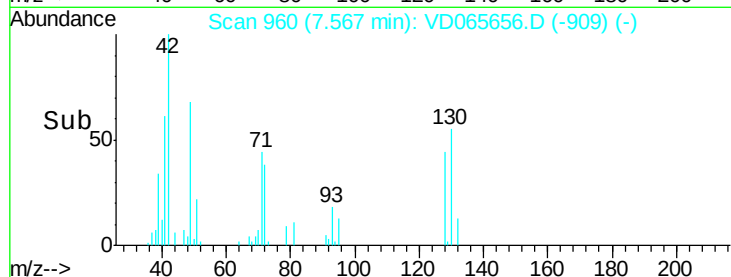
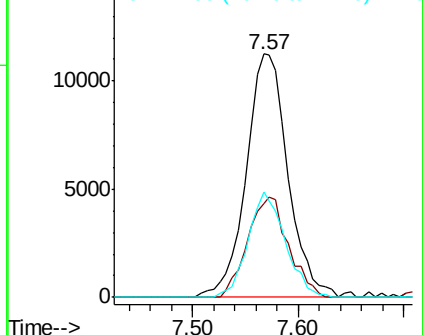
42 100

72 40.3 34.4 51.6

71 38.7 31.4 47.0



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



#30

Chloroform

Concen: 20.379 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD065656.D

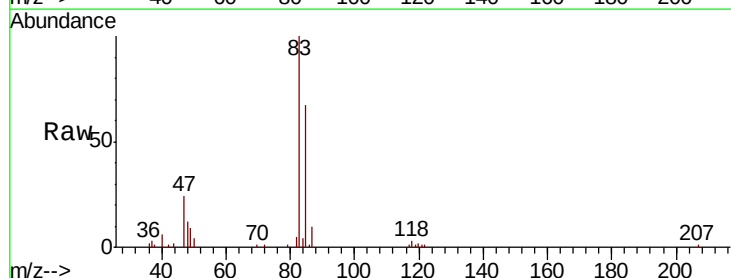
Acq: 17 Apr 2020 20:45

Tgt Ion: 83 Resp: 70668

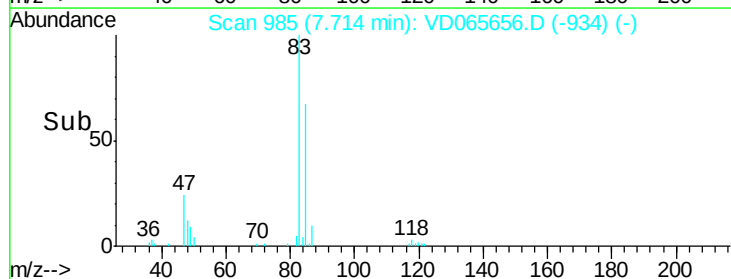
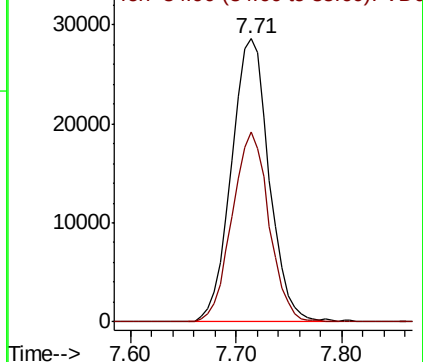
Ion Ratio Lower Upper

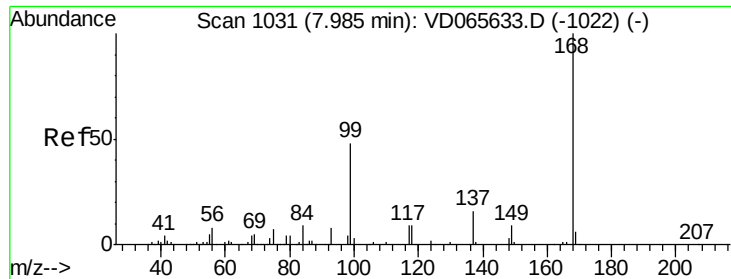
83 100

85 66.9 52.6 78.8



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

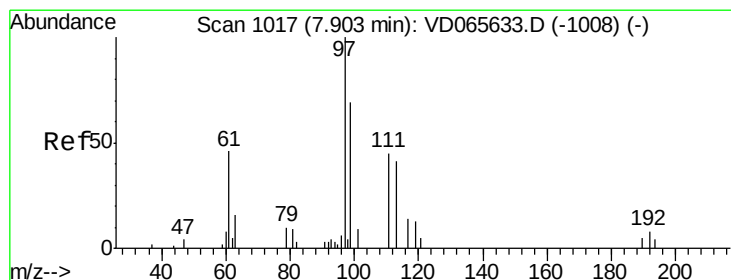
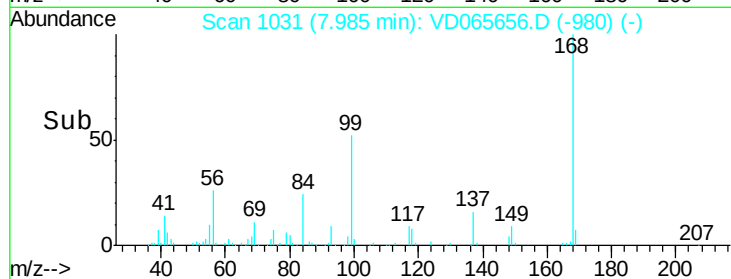
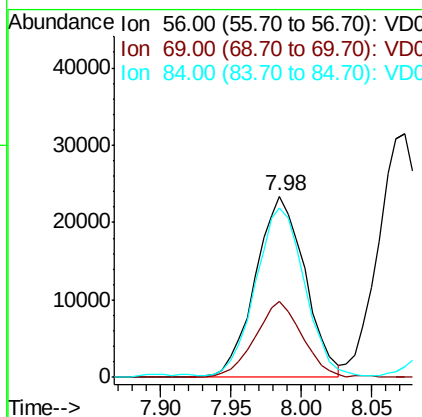
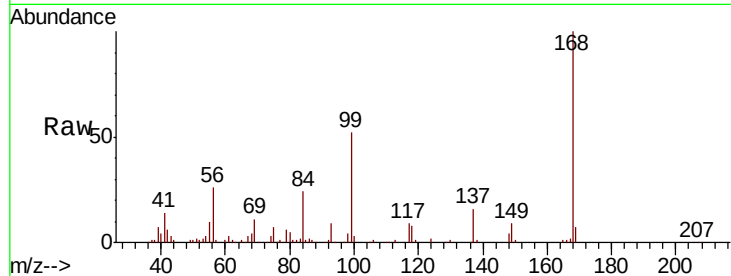




#31
Cyclohexane
Concen: 17.762 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065656.D
Acq: 17 Apr 2020 20:45

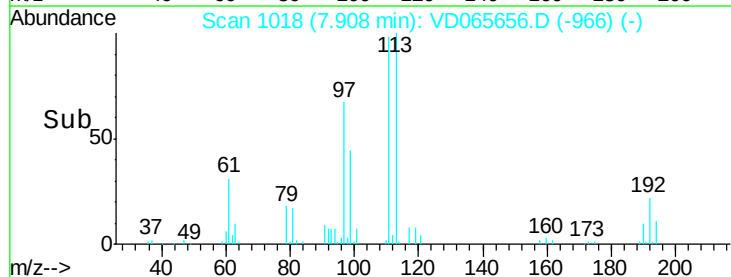
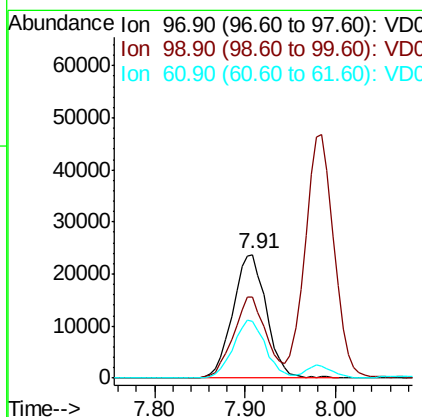
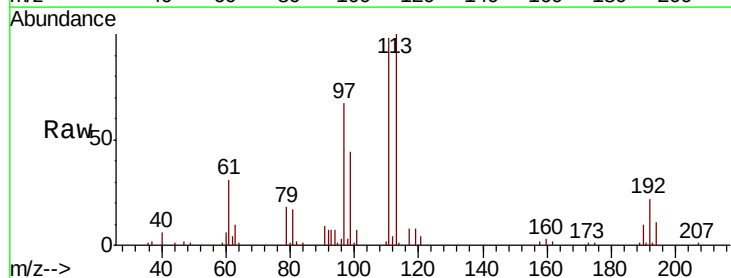
Instrument :
MSVOA_D
ClientSampleId :
VD0417SBS01

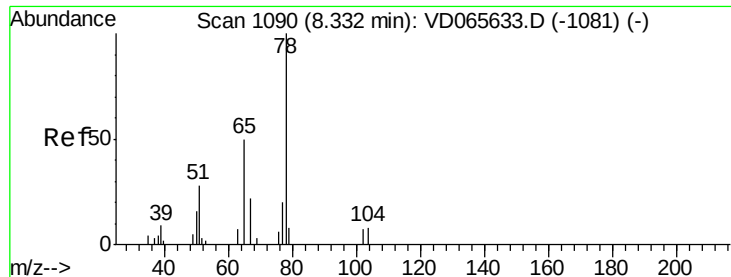
Tot Ion: 56 Resp: 57328
Ion Ratio Lower Upper
56 100
69 42.1 26.6 40.0#
84 91.5 75.3 112.9



#32
1,1,1-Trichloroethane
Concen: 19.529 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD065656.D
Acq: 17 Apr 2020 20:45

Tgt Ion: 97 Resp: 60888
Ion Ratio Lower Upper
97 100
99 64.4 51.5 77.3
61 45.8 34.8 52.2

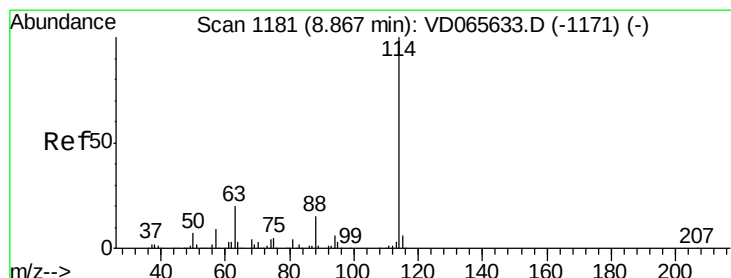
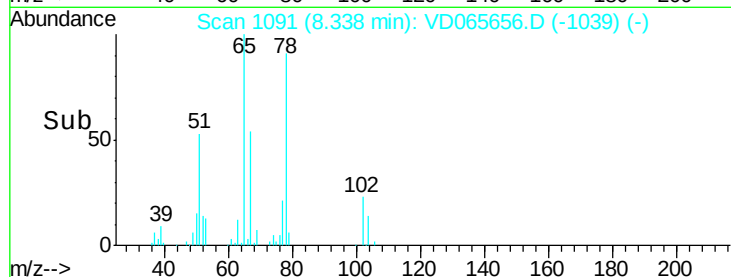
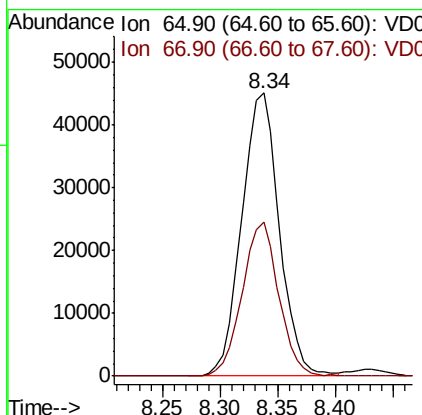
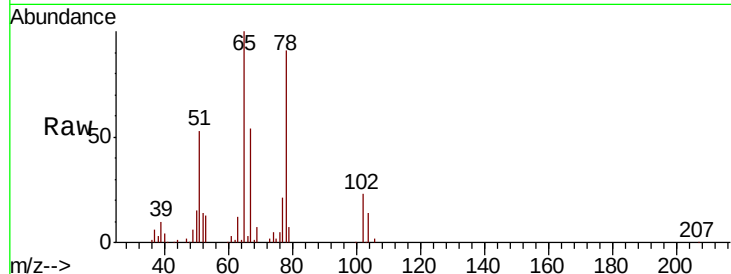




#33
 1,2-Dichloroethane-d4
 Concen: 59.587 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD065656.D
 Acq: 17 Apr 2020 20:45

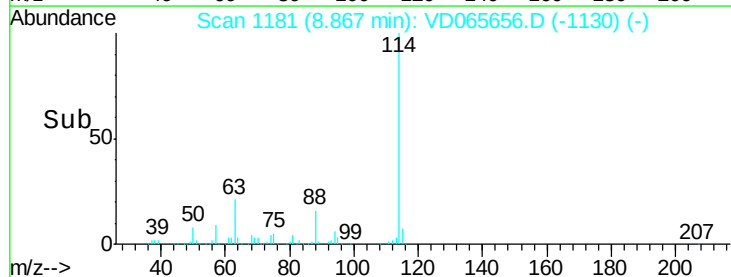
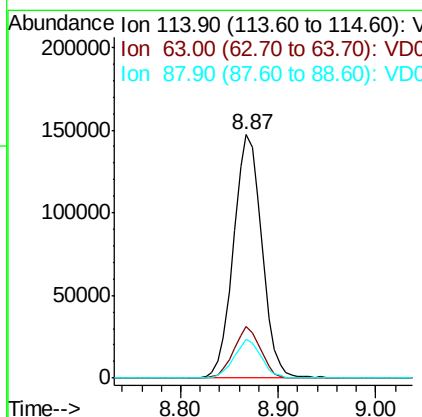
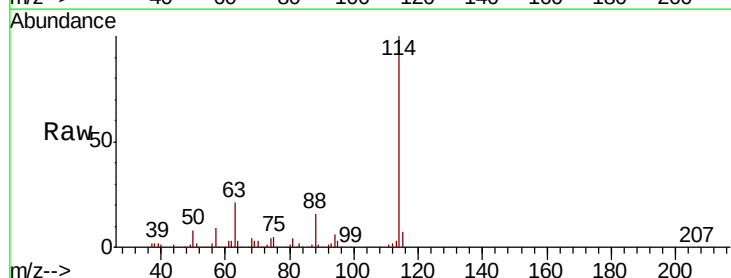
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBS01

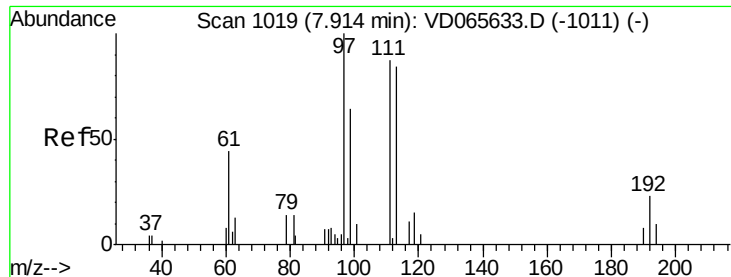
Tot Ion: 65 Resp: 102121
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065656.D
 Acq: 17 Apr 2020 20:45

Tgt Ion: 114 Resp: 298449
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 40.8
 88 15.9 0.0 31.6

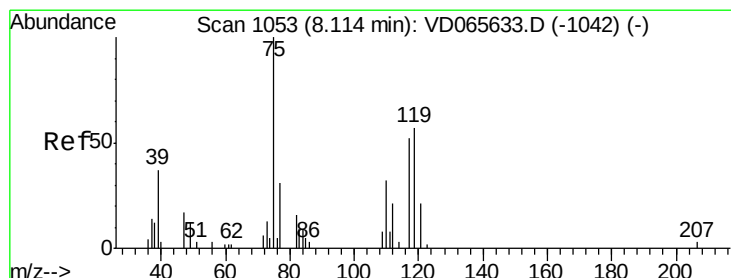
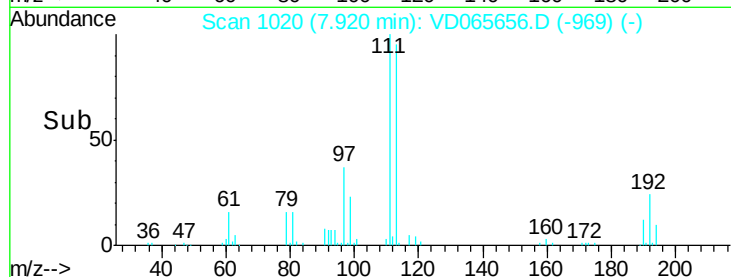
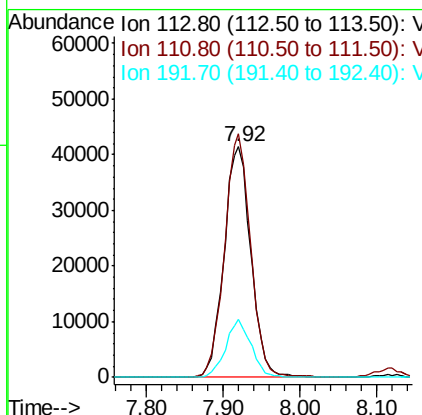
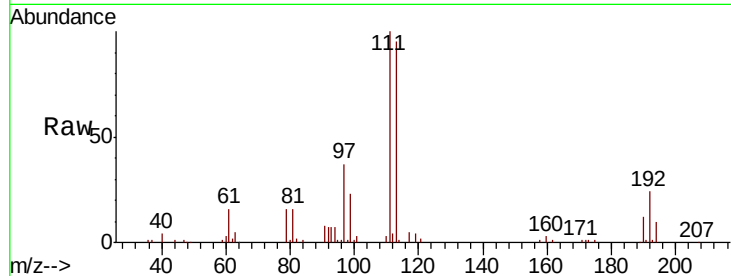




#35
 Dibromofluoromethane
 Concen: 54.347 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065656.D
 Acq: 17 Apr 2020 20:45

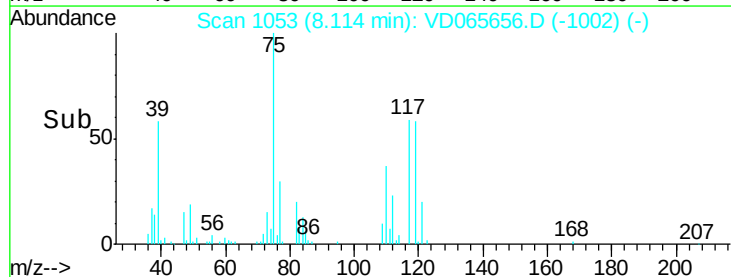
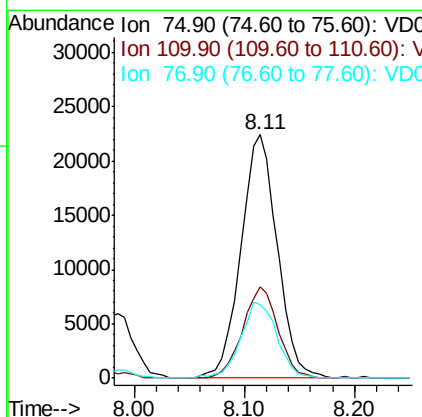
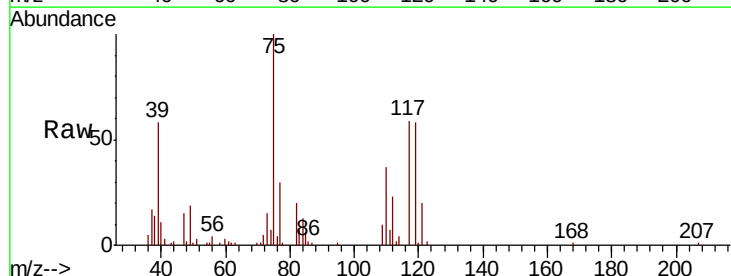
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBS01

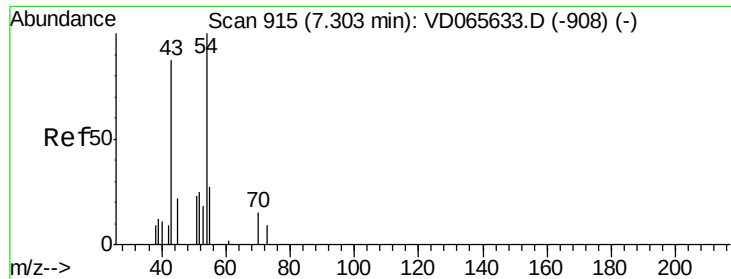
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.9	122.9
192	23.4	18.9	28.3



#36
 1,1-Dichloropropene
 Concen: 17.954 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065656.D
 Acq: 17 Apr 2020 20:45

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.2	18.3	54.8
77	31.2	24.6	37.0

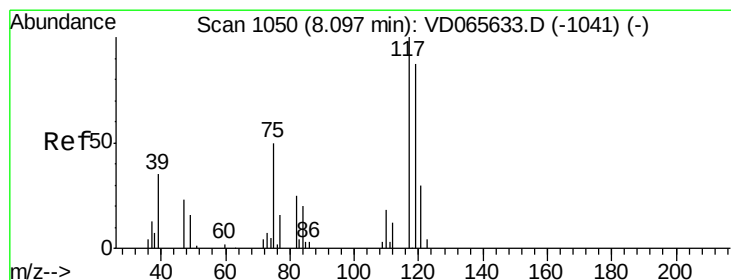
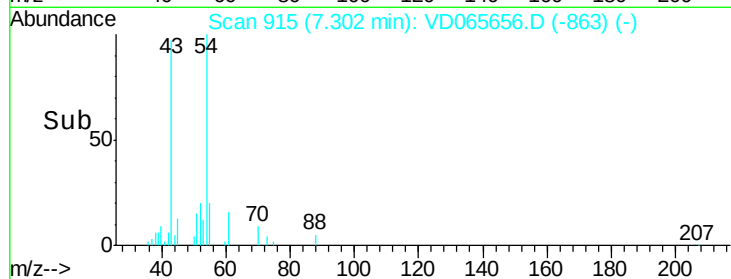
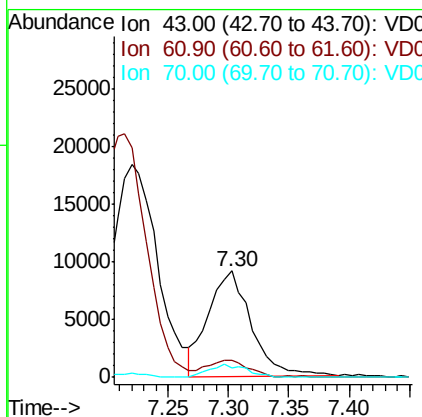
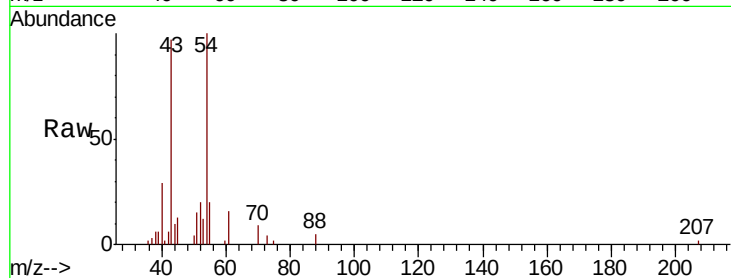




#37
Ethyl Acetate
Concen: 19.402 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD065656.D
Acq: 17 Apr 2020 20:45

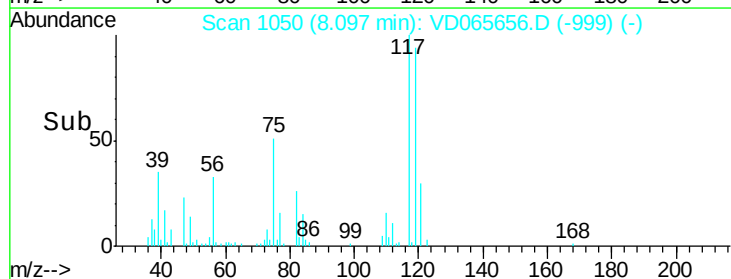
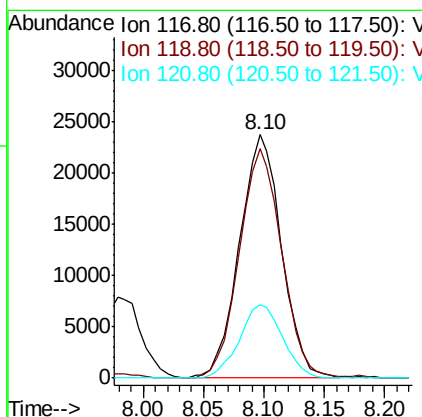
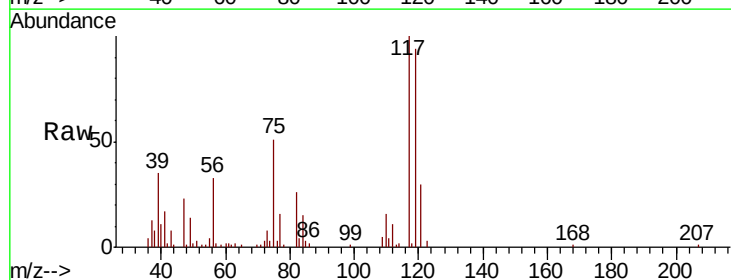
Instrument :
MSVOA_D
ClientSampleId :
VD0417SBS01

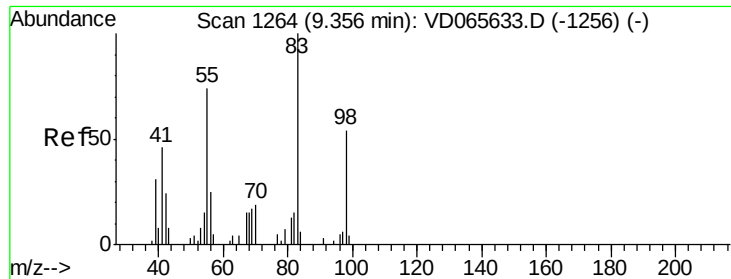
Tot Ion: 43 Resp: 22298
Ion Ratio Lower Upper
43 100
61 15.1 10.9 16.3
70 10.9 7.9 11.9



#38
Carbon Tetrachloride
Concen: 18.602 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065656.D
Acq: 17 Apr 2020 20:45

Tgt Ion: 117 Resp: 57421
Ion Ratio Lower Upper
117 100
119 94.4 75.3 112.9
121 30.3 24.9 37.3

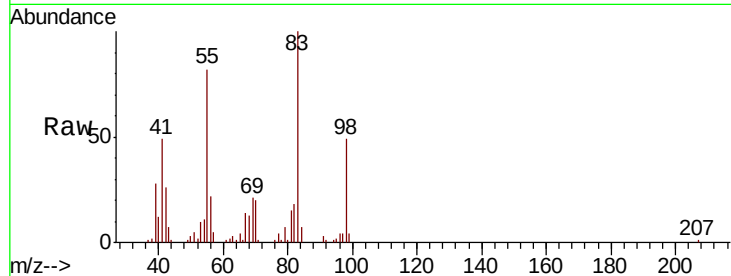




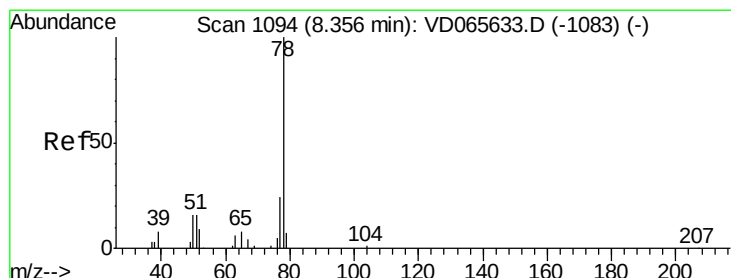
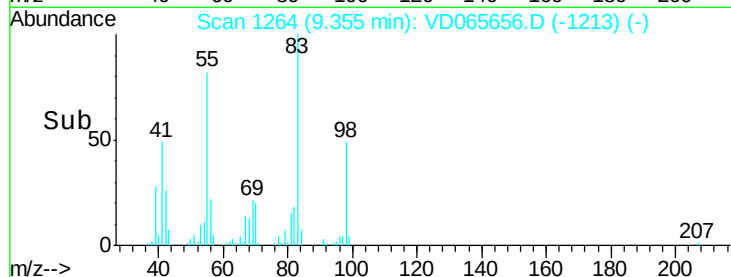
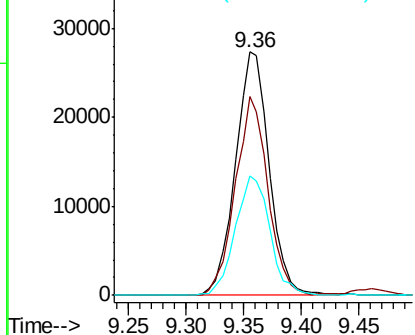
#39
Methylvlcyclohexane
Concen: 16.496 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065656.D
Acq: 17 Apr 2020 20:45

Instrument :
MSVOA_D
ClientSampleId :
VD0417SBS01

Tot Ion: 83 Resp: 55320
Ion Ratio Lower Upper
83 100
55 81.6 62.3 93.5
98 48.9 40.5 60.7

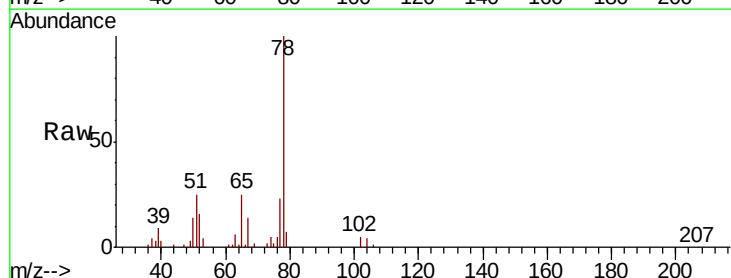


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

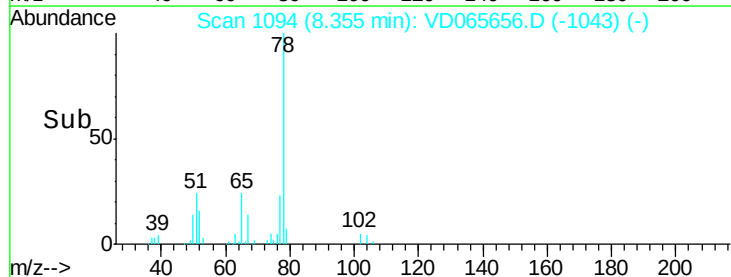
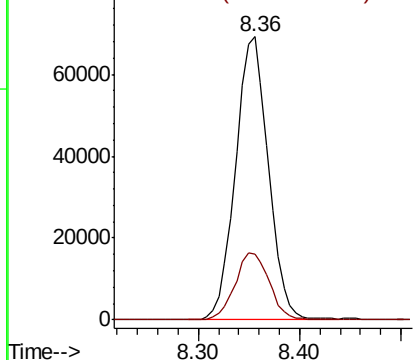


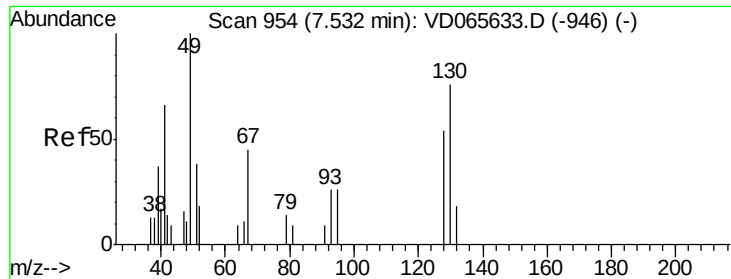
#40
Benzene
Concen: 18.809 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065656.D
Acq: 17 Apr 2020 20:45

Tgt Ion: 78 Resp: 155839
Ion Ratio Lower Upper
78 100
77 23.4 18.9 28.3



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

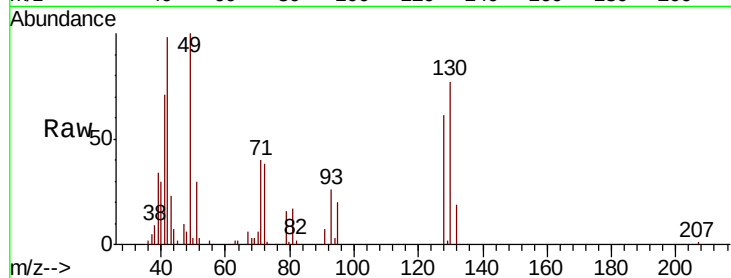




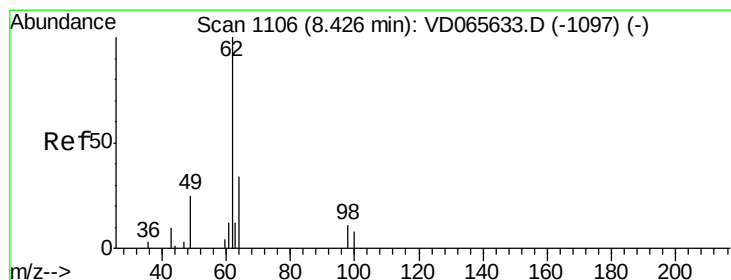
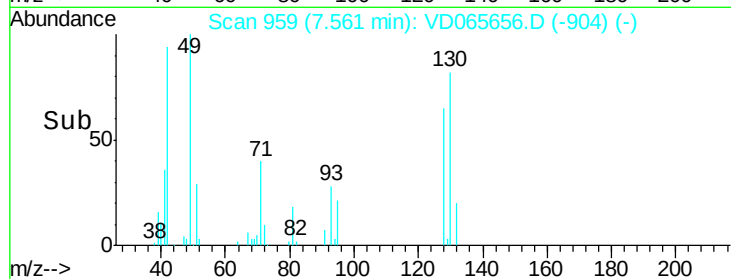
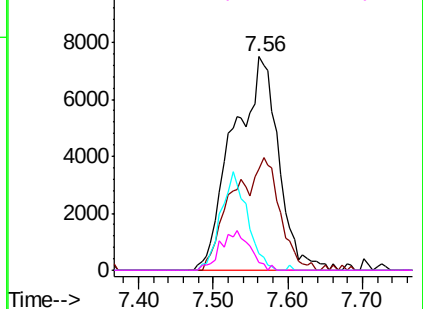
#41
Methacrylonitrile
Concen: 55.763 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.02 min
Lab File: VD065656.D
Acq: 17 Apr 2020 20:45

Instrument :
MSVOA_D
ClientSampleId :
VD0417SBS01

Tot Ion:	41	Resp:	31740
Ion	Ratio	Lower	Upper
41	100		
39	29.2	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

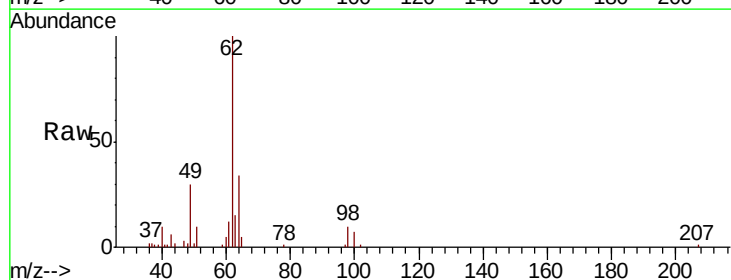


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

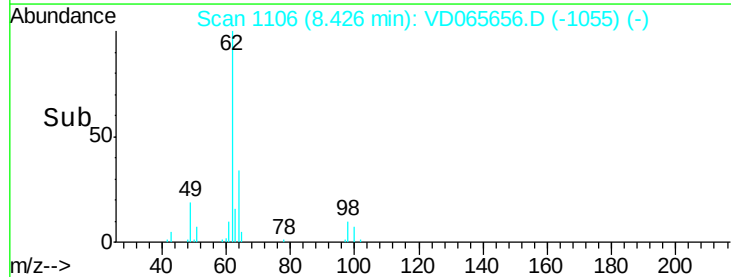
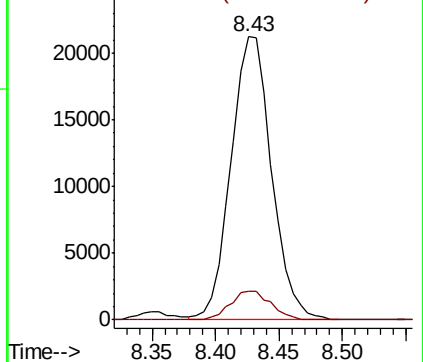


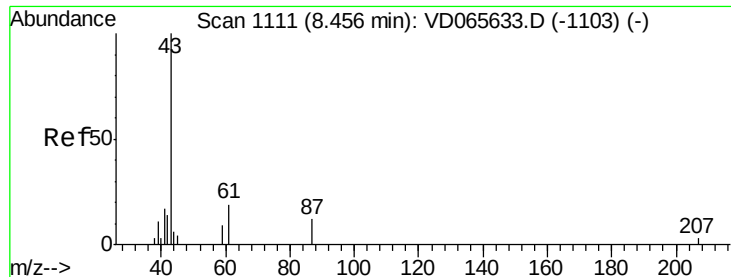
#42
1,2-Dichloroethane
Concen: 20.773 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD065656.D
Acq: 17 Apr 2020 20:45

Tgt Ion:	62	Resp:	47170
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.6



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





#43

Isopropyl Acetate

Concen: 19.997 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD065656.D

Acq: 17 Apr 2020 20:45

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBS01

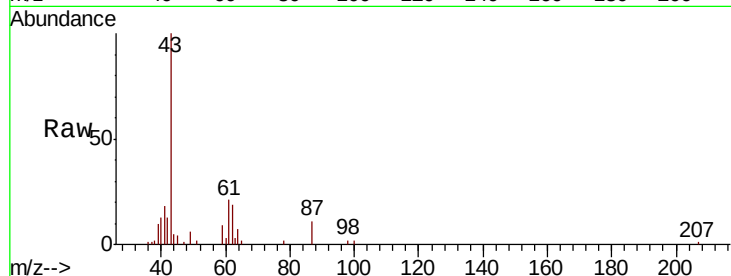
Tot Ion: 43 Resp: 41383

Ion Ratio Lower Upper

43 100

61 32.1 25.0 37.6

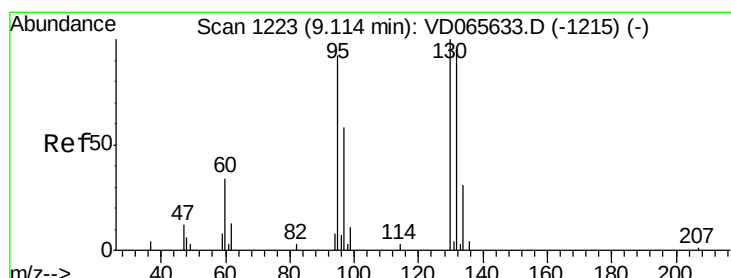
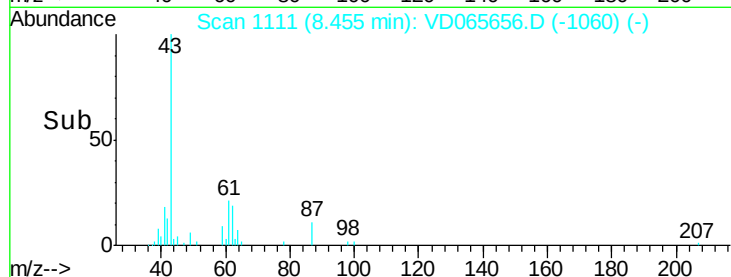
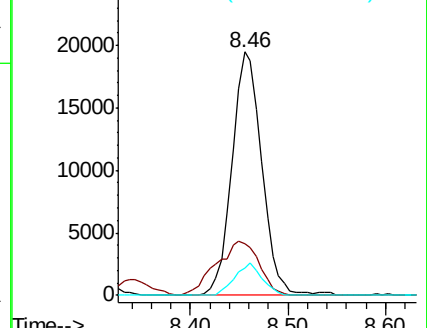
87 12.0 9.9 14.9



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: 18.029 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065656.D

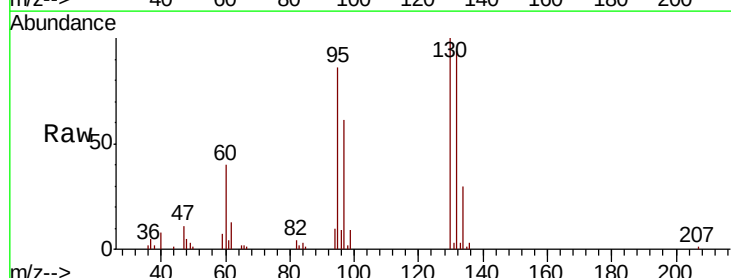
Acq: 17 Apr 2020 20:45

Tgt Ion: 130 Resp: 41815

Ion Ratio Lower Upper

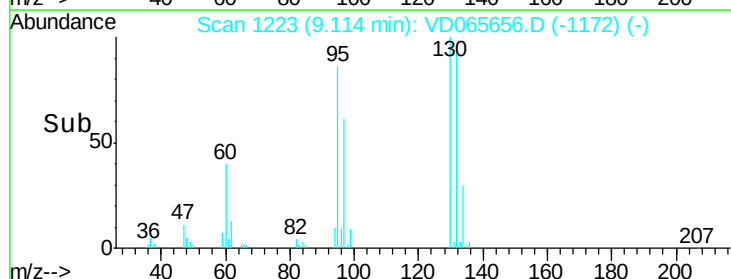
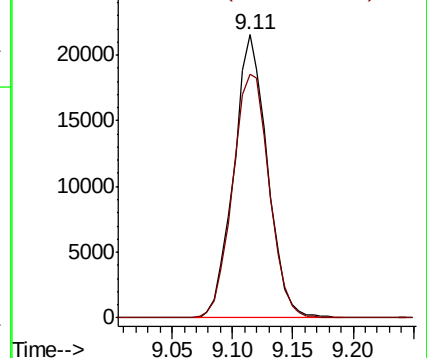
130 100

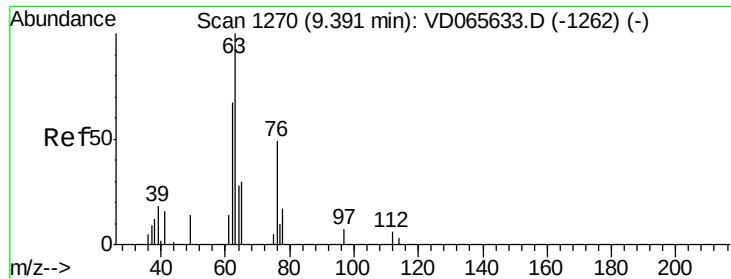
95 86.1 0.0 178.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

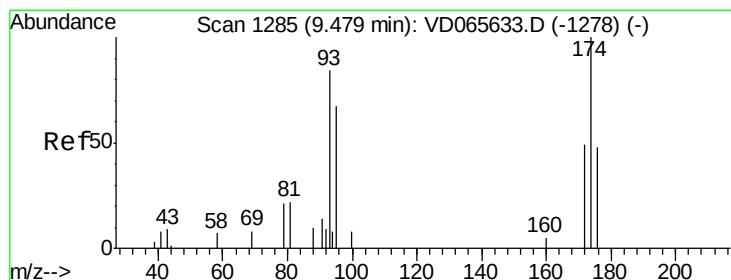
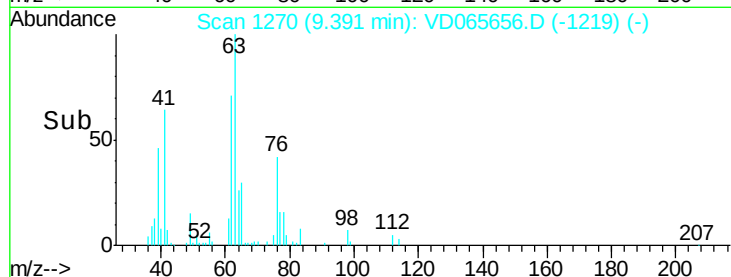
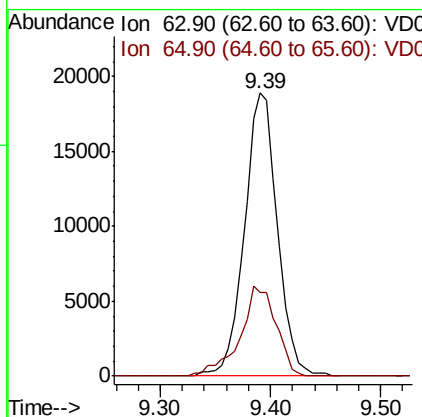
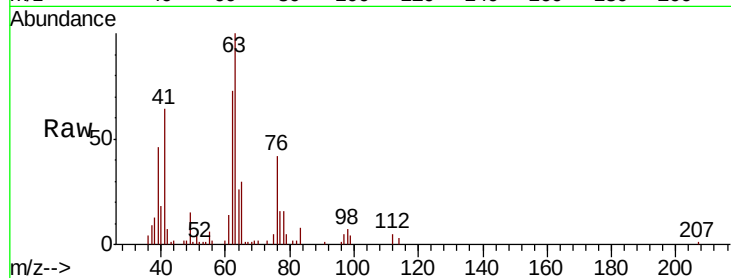




#45
 1,2-Dichloropropane
 Concen: 19.440 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065656.D
 Acq: 17 Apr 2020 20:45

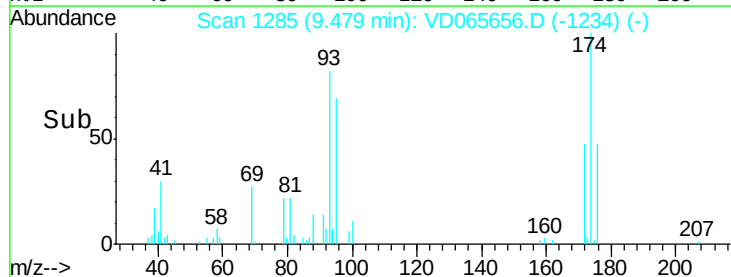
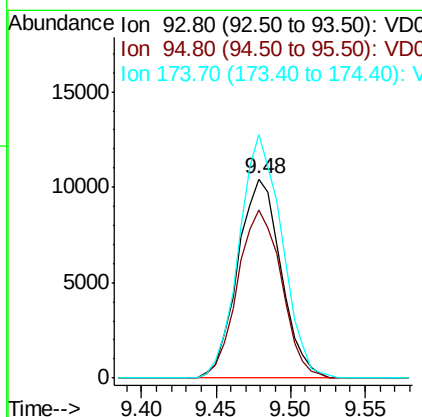
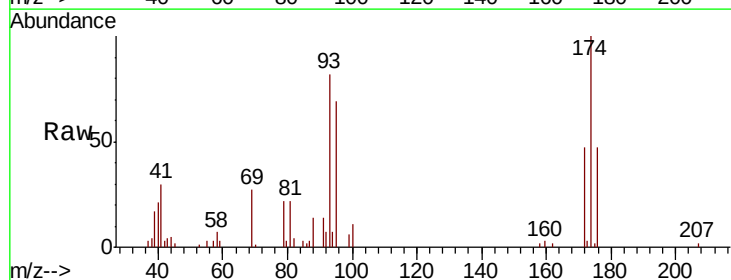
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBS01

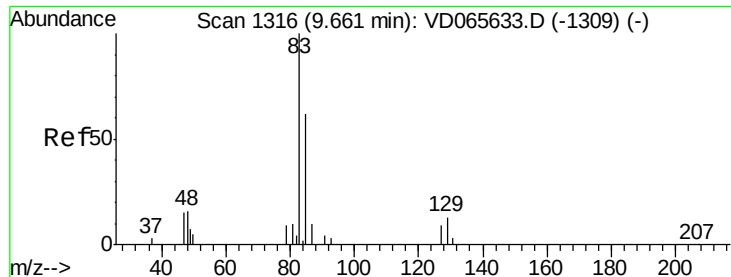
Tot Ion: 63 Resp: 39531
 Ion Ratio Lower Upper
 63 100
 65 29.6 24.7 37.1



#46
 Dibromomethane
 Concen: 20.041 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065656.D
 Acq: 17 Apr 2020 20:45

Tgt Ion: 93 Resp: 21074
 Ion Ratio Lower Upper
 93 100
 95 85.1 67.4 101.2
 174 120.5 94.1 141.1

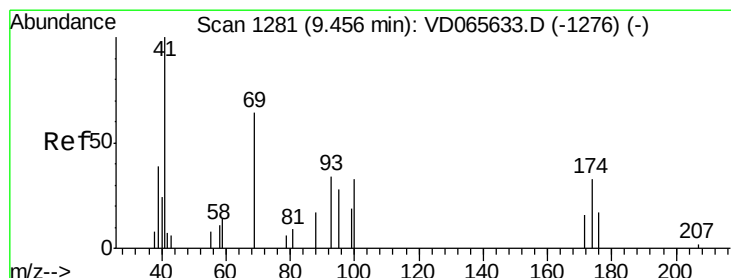
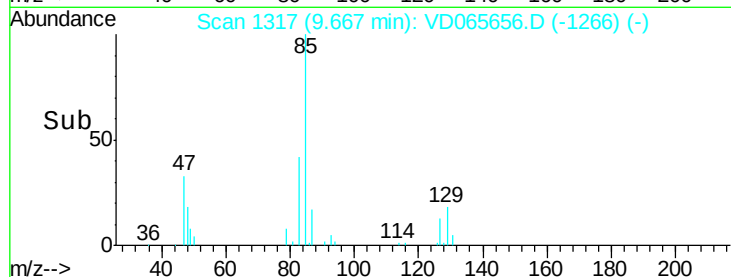
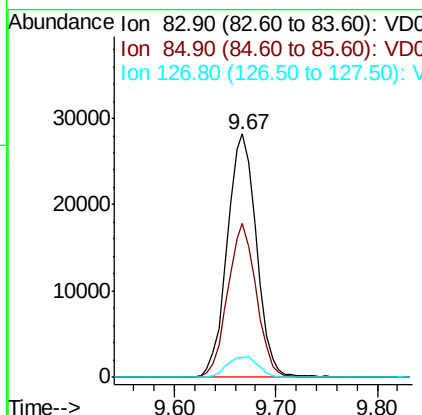
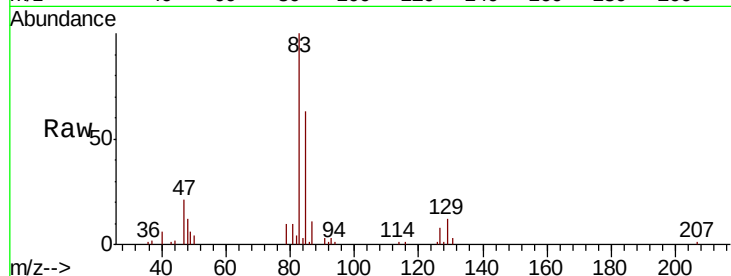




#47
Bromodichloromethane
Concen: 20.149 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD065656.D
Acq: 17 Apr 2020 20:45

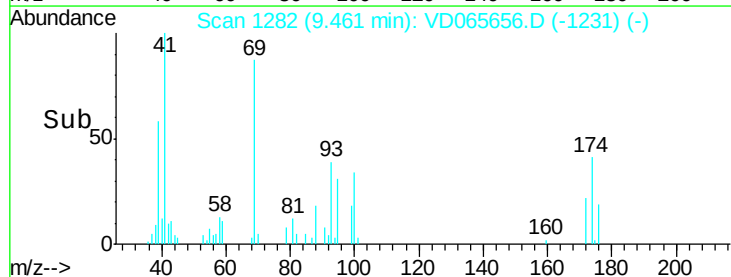
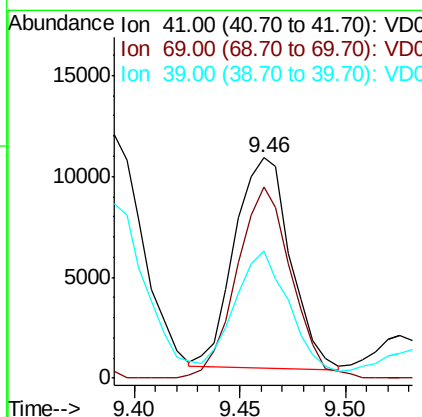
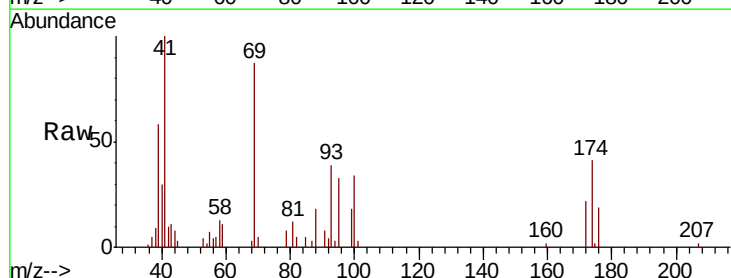
Instrument :
MSVOA_D
ClientSampleId :
VD0417SBS01

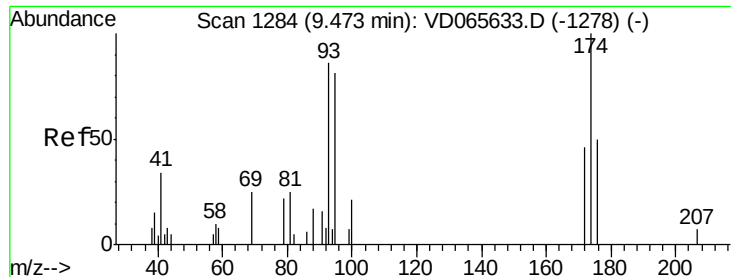
Tot Ion: 83 Resp: 56421
Ion Ratio Lower Upper
83 100
85 63.4 49.8 74.8
127 8.1 6.6 9.8



#48
Methyl methacrylate
Concen: 18.364 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065656.D
Acq: 17 Apr 2020 20:45

Tgt Ion: 41 Resp: 19083
Ion Ratio Lower Upper
41 100
69 89.1 66.8 100.2
39 61.4 39.6 59.4#

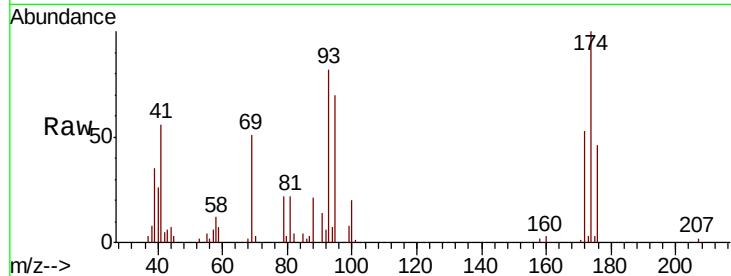




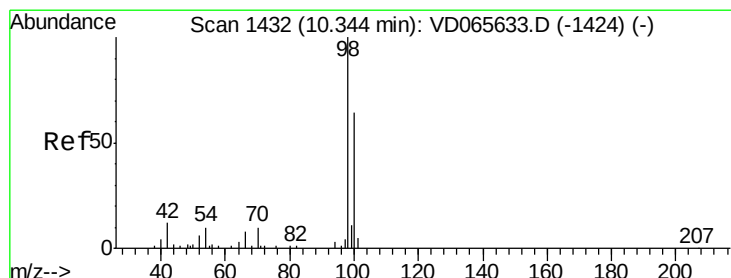
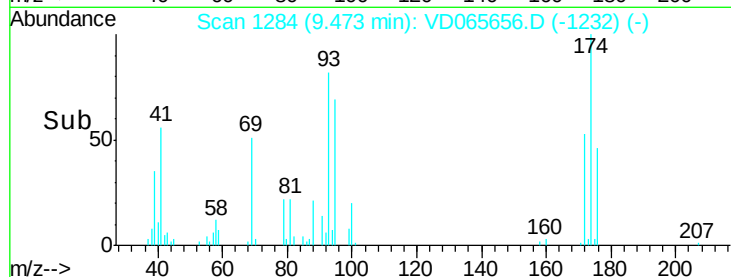
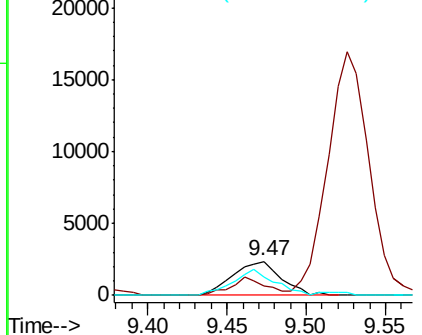
#49
1,4-Dioxane
Concen: 405.013 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD065656.D
Acq: 17 Apr 2020 20:45

Instrument :
MSVOA_D
ClientSampleId :
VD0417SBS01

Tot Ion: 88 Resp: 4949
Ion Ratio Lower Upper
88 100
43 38.6 28.1 42.1
58 65.8 55.7 83.5

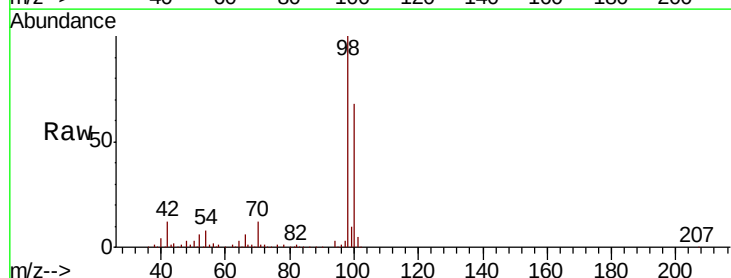


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

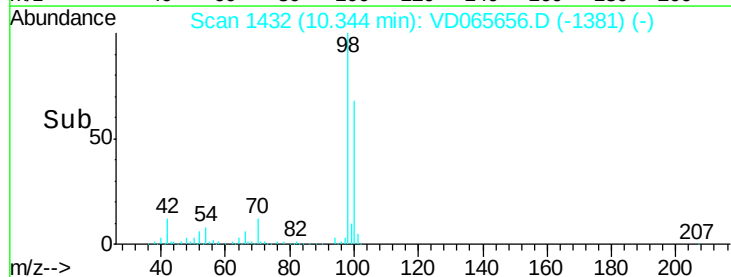
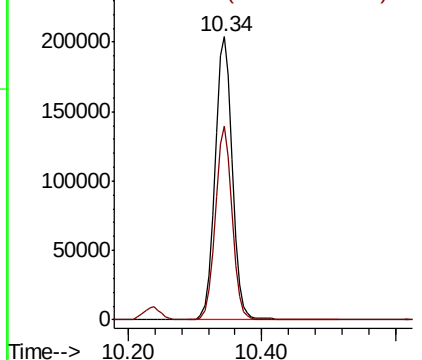


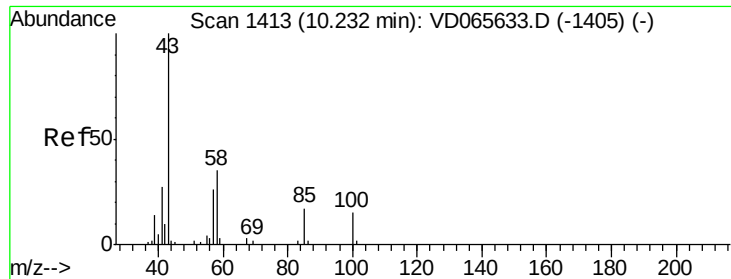
#50
Toluene-d8
Concen: 54.244 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065656.D
Acq: 17 Apr 2020 20:45

Tgt Ion: 98 Resp: 371422
Ion Ratio Lower Upper
98 100
100 66.6 52.4 78.6



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: 99.144 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD065656.D

Acq: 17 Apr 2020 20:45

Instrument :

MSVOA_D

ClientSampleId :

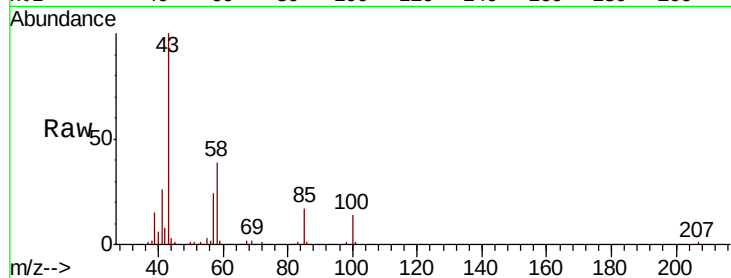
VD0417SBS01

Tot Ion: 43 Resp: 107538

Ion Ratio Lower Upper

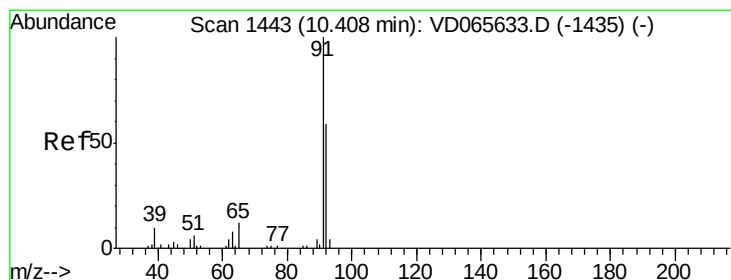
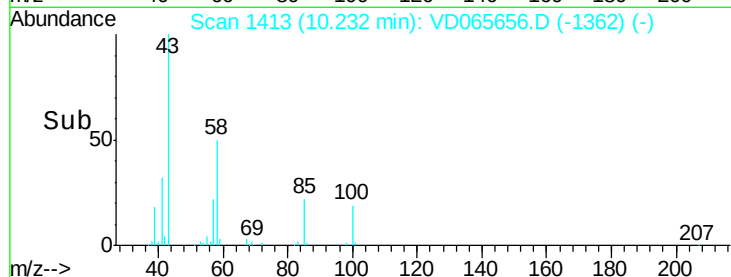
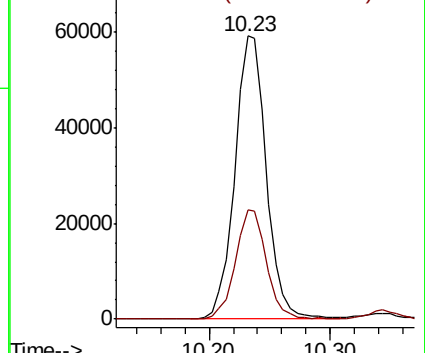
43 100

58 37.6 31.1 46.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 19.668 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065656.D

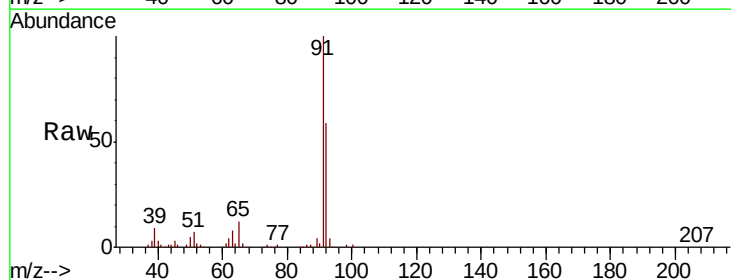
Acq: 17 Apr 2020 20:45

Tgt Ion: 92 Resp: 100462

Ion Ratio Lower Upper

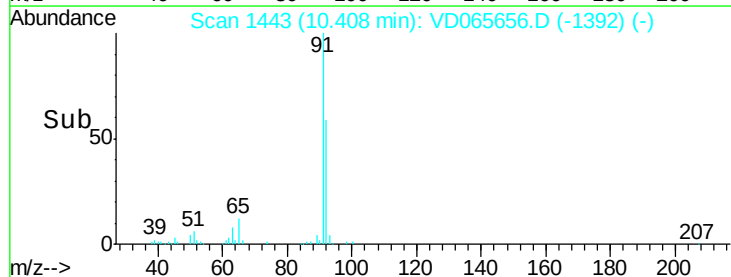
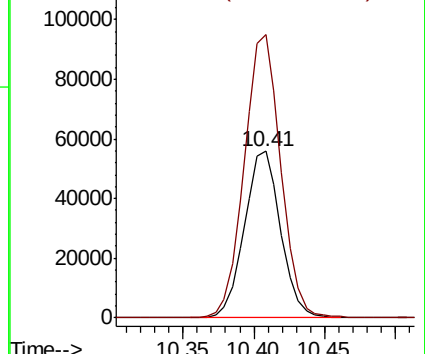
92 100

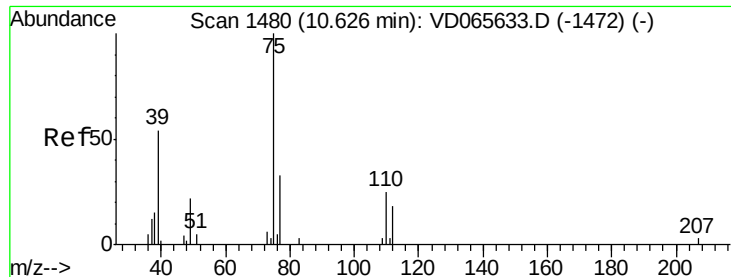
91 171.9 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 19.119 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065656.D

Acq: 17 Apr 2020 20:45

Instrument :

MSVOA_D

ClientSampleId :

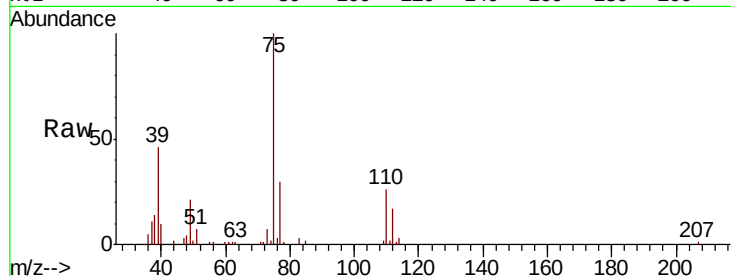
VD0417SBS01

Tot Ion: 75 Resp: 49158

Ion Ratio Lower Upper

75 100

77 29.7 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.63

30000

25000

20000

15000

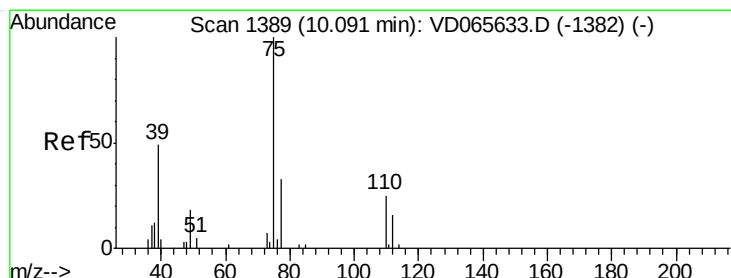
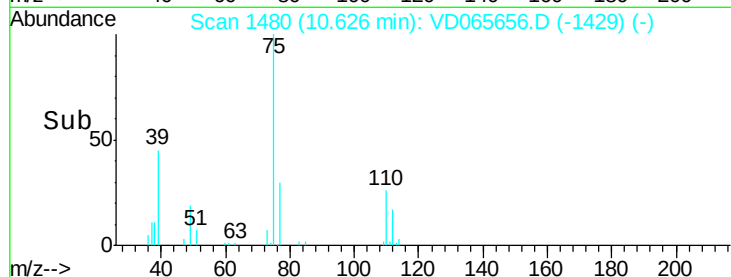
10000

5000

0

Time-->

10.55 10.60 10.65 10.70



#54

cis-1,3-Dichloropropene

Concen: 19.121 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.01 min

Lab File: VD065656.D

Acq: 17 Apr 2020 20:45

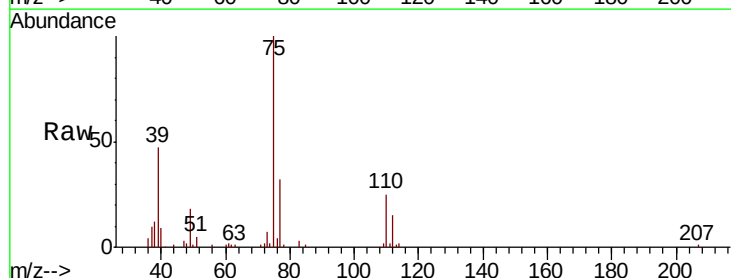
Tgt Ion: 75 Resp: 59499

Ion Ratio Lower Upper

75 100

77 32.1 25.2 37.8

39 46.5 38.7 58.1



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

10.10

40000

30000

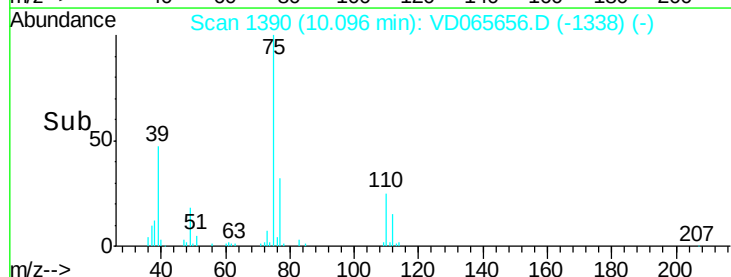
20000

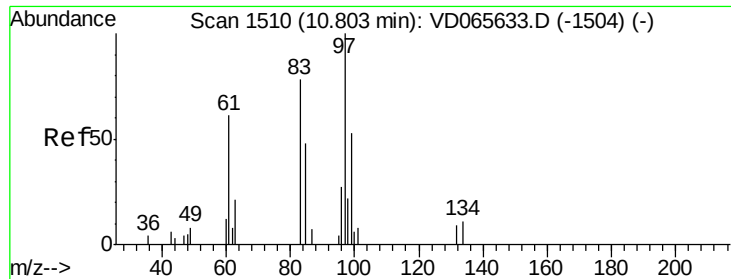
10000

0

Time-->

10.00 10.10 10.20





#55

1,1,2-Trichloroethane

Concen: 21.194 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD065656.D

Acq: 17 Apr 2020 20:45

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBS01

Tot Ion: 97 Resp: 31523

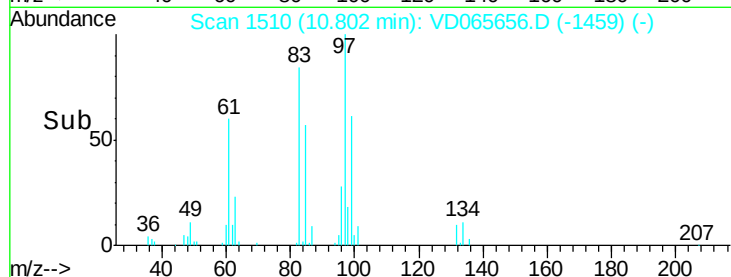
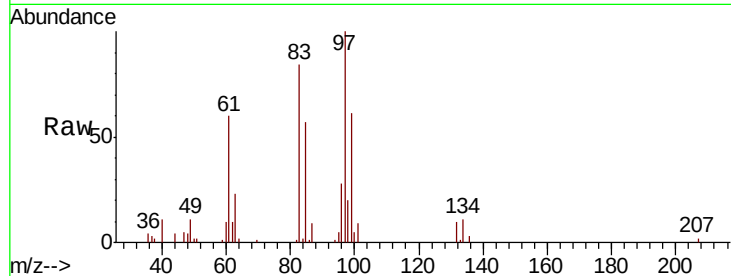
Ion	Ratio	Lower	Upper
97	100		
83	84.1	67.4	101.0
85	57.3	43.4	65.0
99	61.3	50.5	75.7

97 100

83 84.1 67.4 101.0

85 57.3 43.4 65.0

99 61.3 50.5 75.7



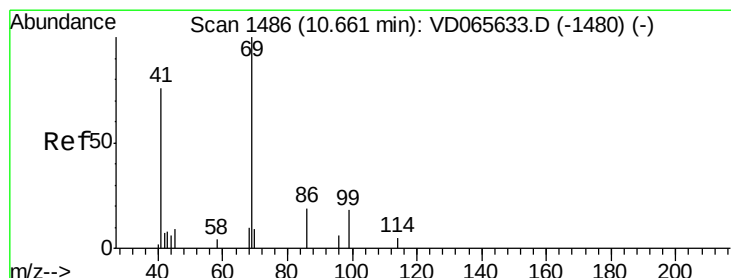
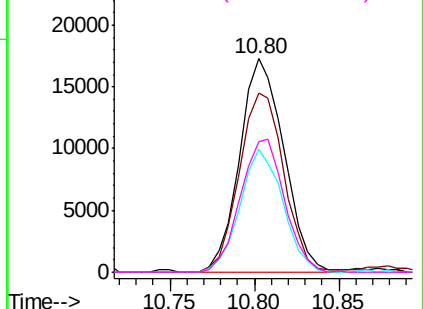
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 18.840 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD065656.D

Acq: 17 Apr 2020 20:45

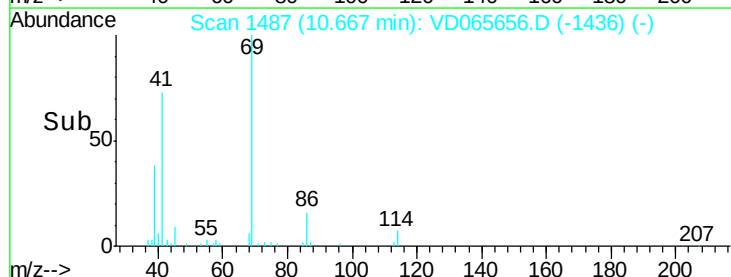
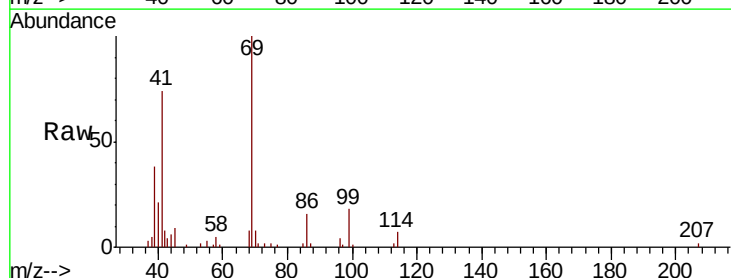
Tgt Ion: 69 Resp: 30738

Ion	Ratio	Lower	Upper
69	100		
41	72.3	56.2	84.4
39	35.5	26.6	39.8

69 100

41 72.3 56.2 84.4

39 35.5 26.6 39.8

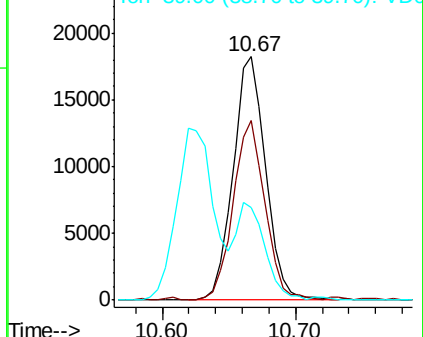


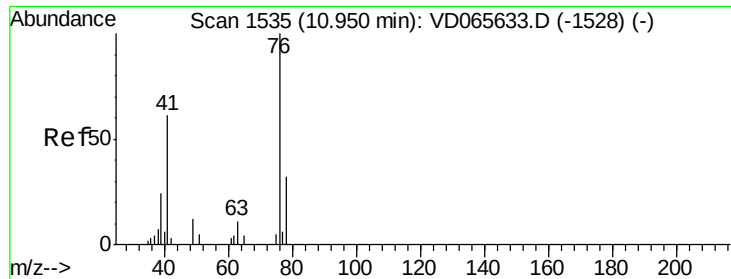
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

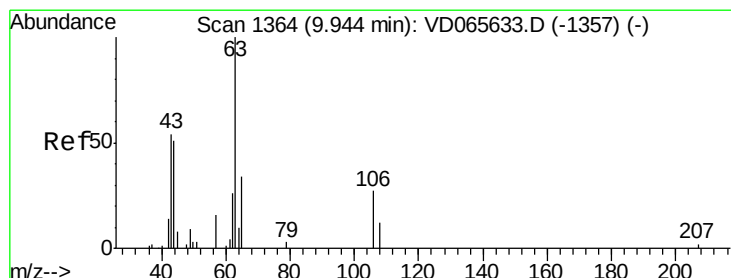
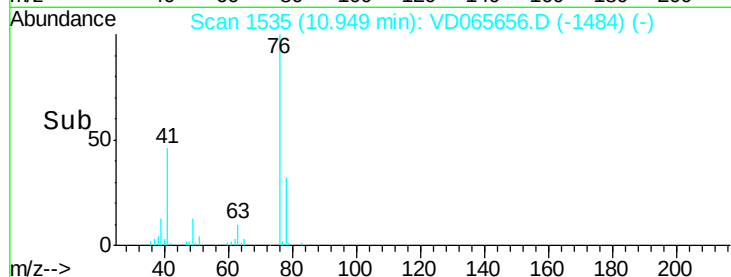
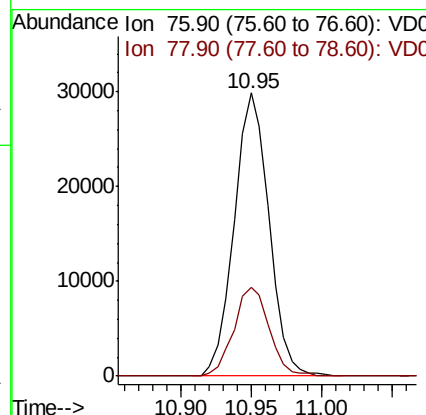
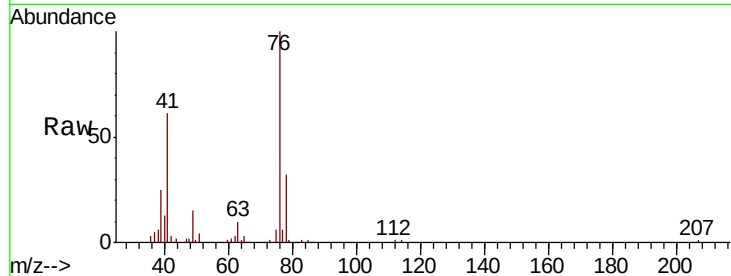




#57
 1,3-Dichloropropane
 Concen: 20.272 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065656.D
 Acq: 17 Apr 2020 20:45

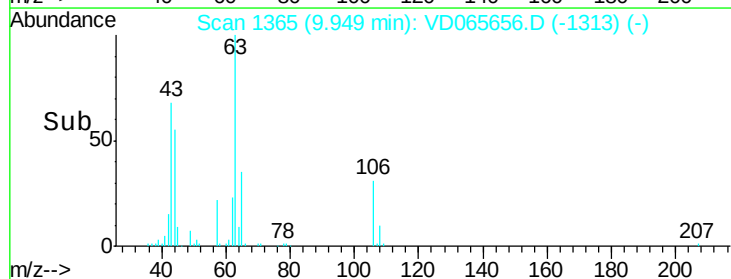
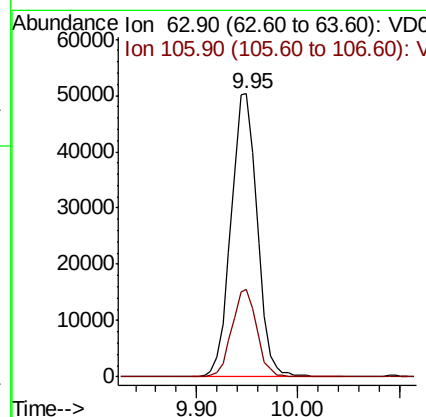
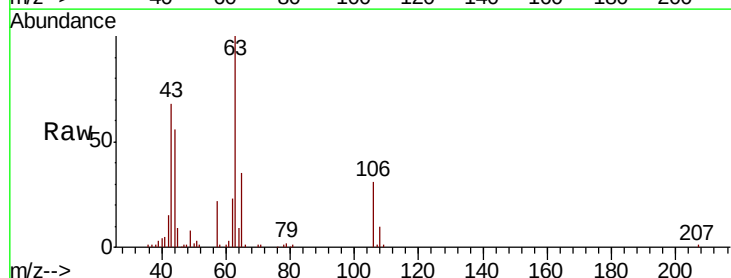
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBS01

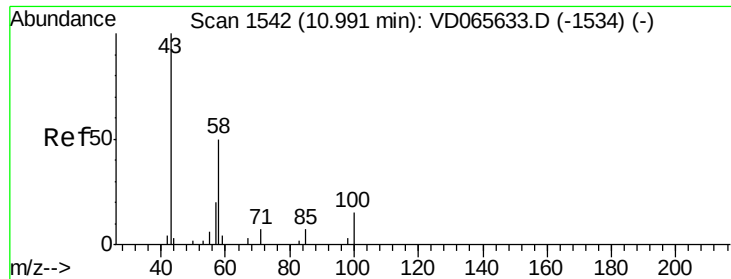
Tot Ion: 76 Resp: 51342
 Ion Ratio Lower Upper
 76 100
 78 31.9 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.427 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD065656.D
 Acq: 17 Apr 2020 20:45

Tgt Ion: 63 Resp: 90353
 Ion Ratio Lower Upper
 63 100
 106 29.3 23.8 35.6

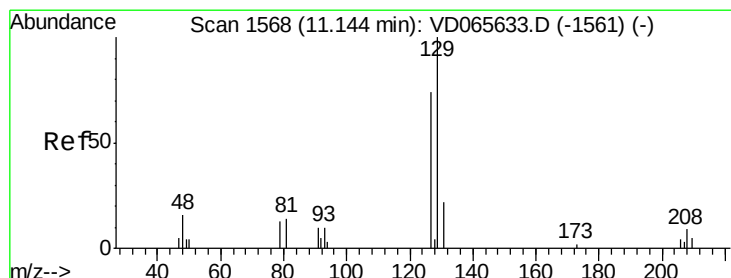
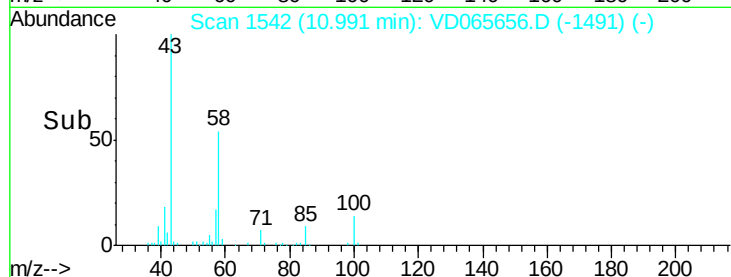
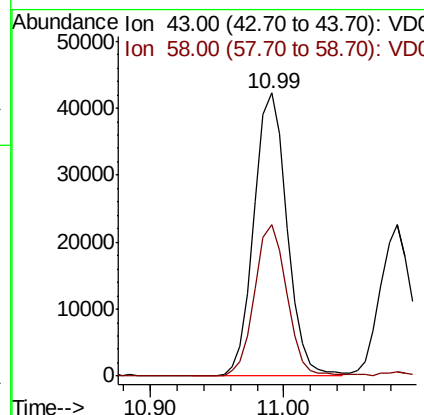
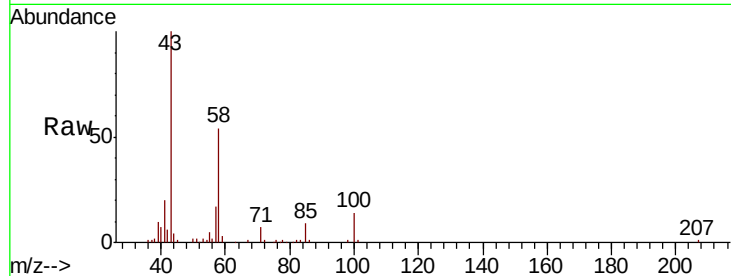




#59
2-Hexanone
Concen: 97.344 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065656.D
Acq: 17 Apr 2020 20:45

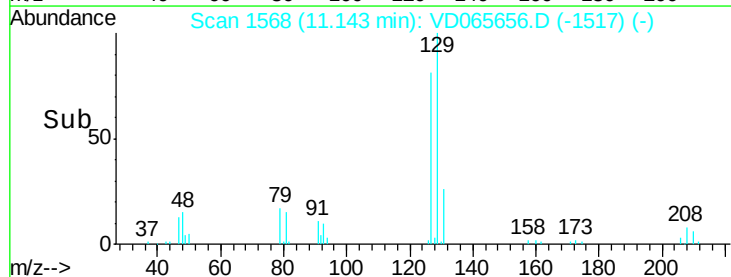
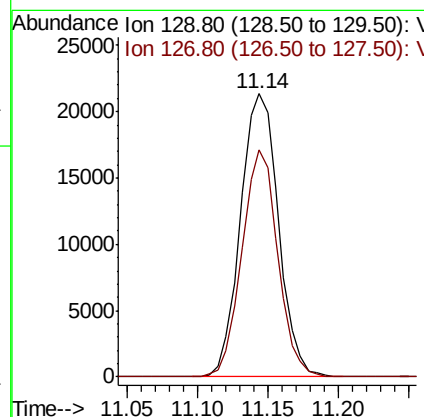
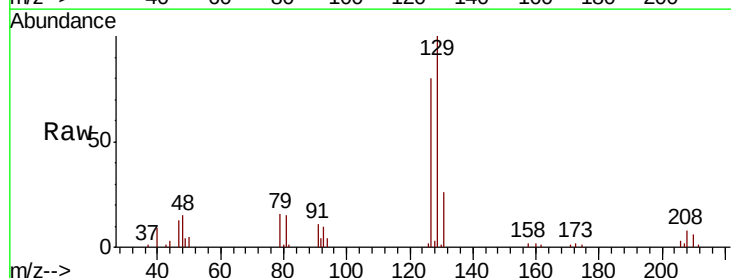
Instrument :
MSVOA_D
ClientSampleId :
VD0417SBS01

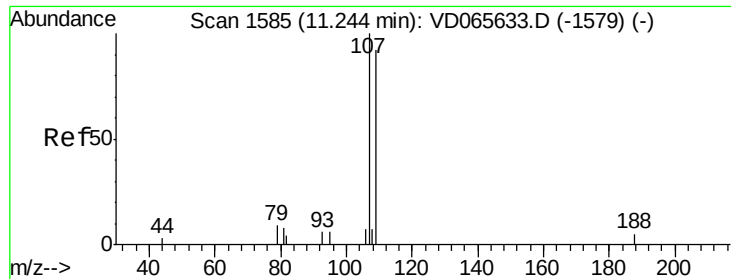
Tot Ion: 43 Resp: 72233
Ion Ratio Lower Upper
43 100
58 52.5 26.5 79.4



#60
Dibromochloromethane
Concen: 20.491 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065656.D
Acq: 17 Apr 2020 20:45

Tgt Ion: 129 Resp: 40140
Ion Ratio Lower Upper
129 100
127 75.9 38.8 116.3

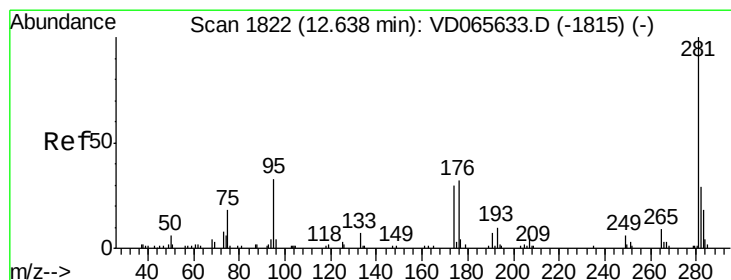
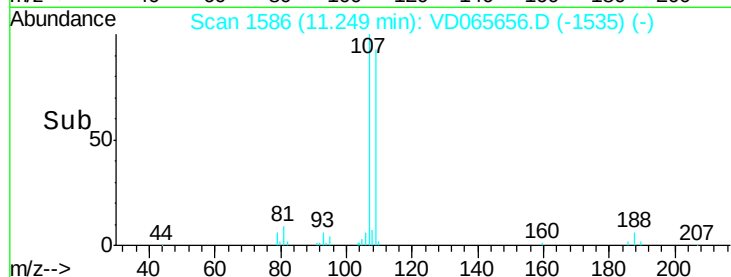
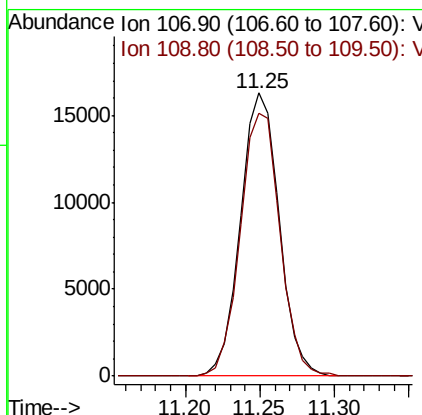
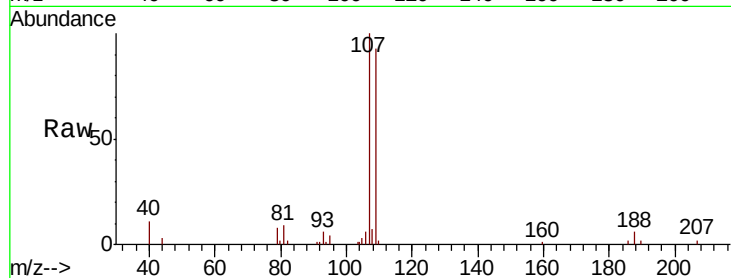




#61
 1,2-Dibromoethane
 Concen: 20.385 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065656.D
 Acq: 17 Apr 2020 20:45

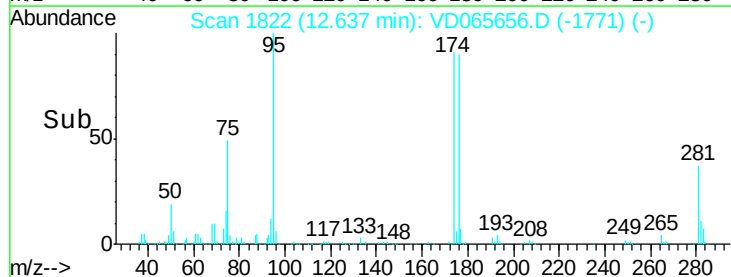
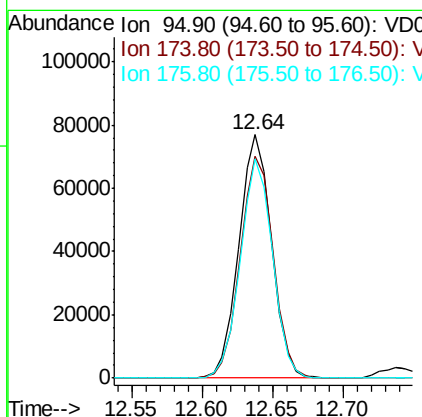
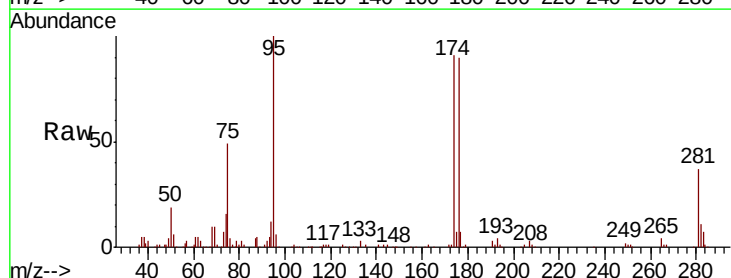
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBS01

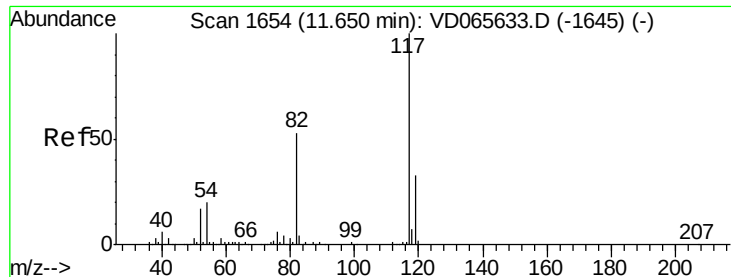
Tot Ion:107 Resp: 29174
 Ion Ratio Lower Upper
 107 100
 109 95.3 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 54.620 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065656.D
 Acq: 17 Apr 2020 20:45

Tgt Ion: 95 Resp: 124446
 Ion Ratio Lower Upper
 95 100
 174 92.2 0.0 183.8
 176 89.1 0.0 181.4

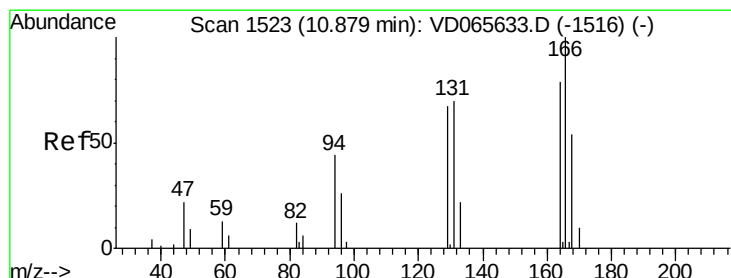
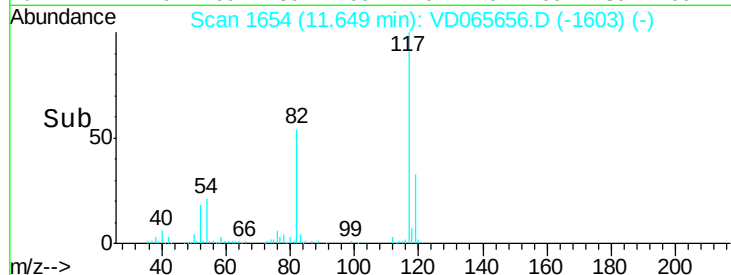
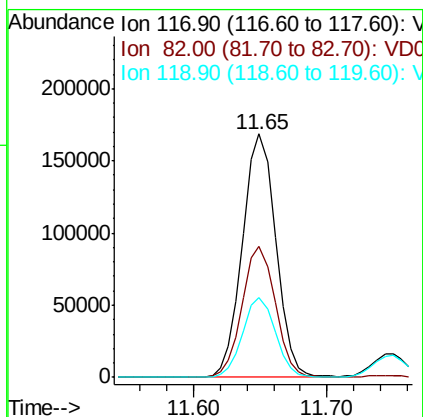
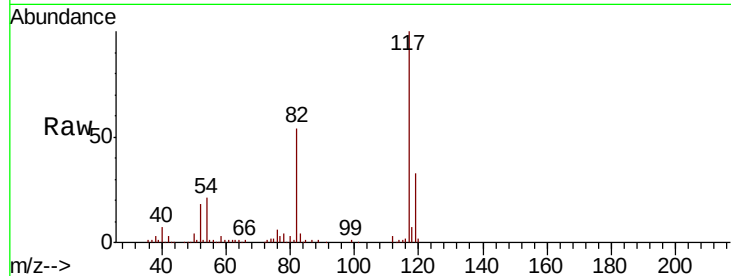




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065656.D
Acq: 17 Apr 2020 20:45

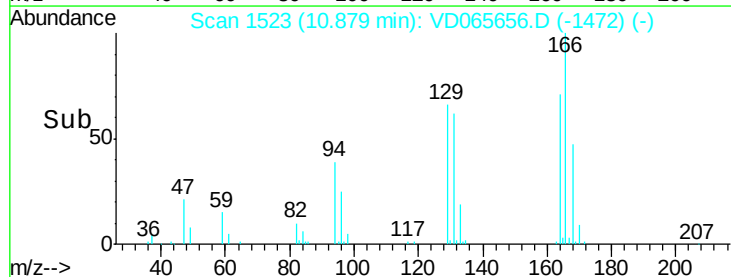
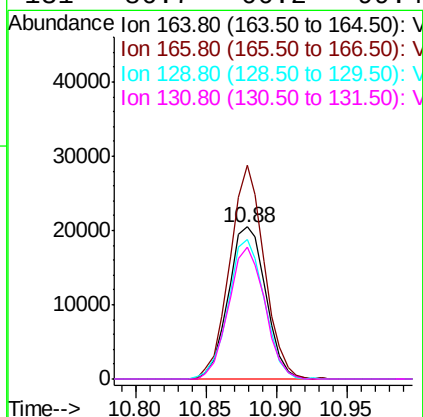
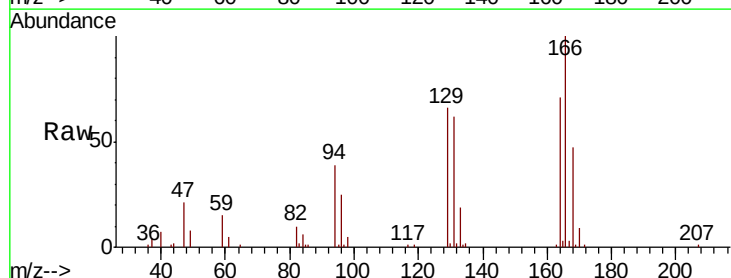
Instrument :
MSVOA_D
ClientSampleId :
VD0417SBS01

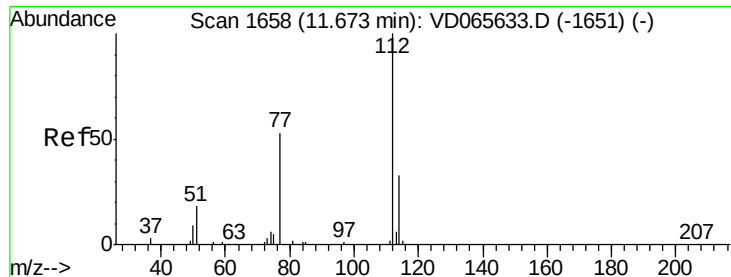
Tot Ion:117 Resp: 292874
Ion Ratio Lower Upper
117 100
82 53.8 43.2 64.8
119 32.7 26.2 39.4



#64
Tetrachloroethene
Concen: 17.990 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065656.D
Acq: 17 Apr 2020 20:45

Tgt Ion:164 Resp: 37804
Ion Ratio Lower Upper
164 100
166 140.3 102.3 153.5
129 91.9 71.7 107.5
131 86.7 66.2 99.4

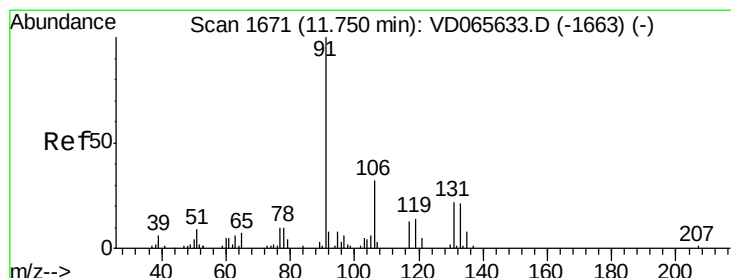
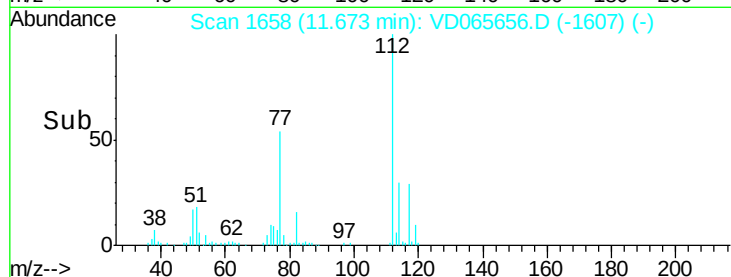
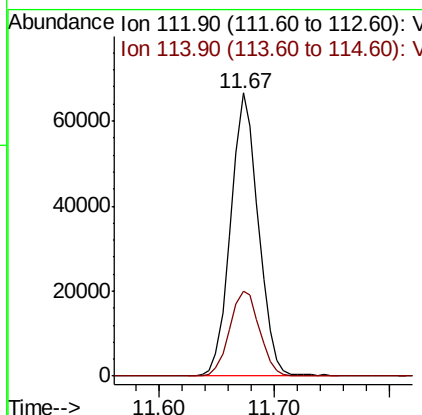
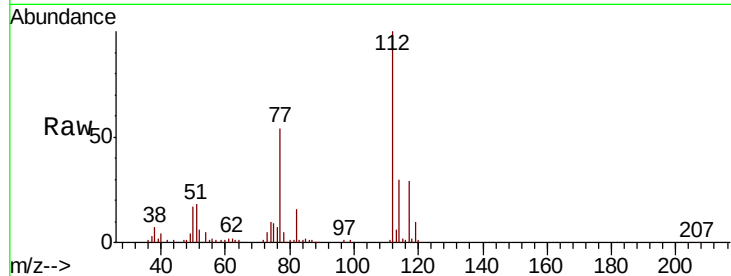




#65
Chlorobenzene
Concen: 19.078 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065656.D
Acq: 17 Apr 2020 20:45

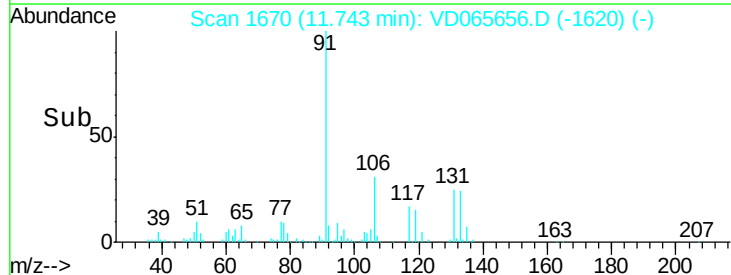
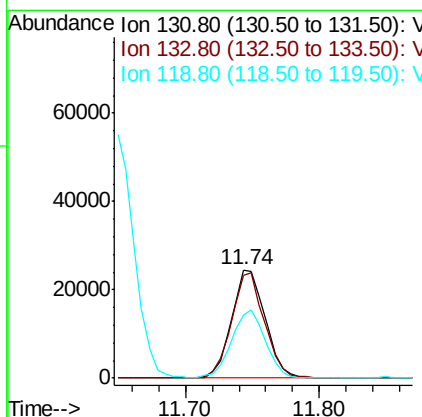
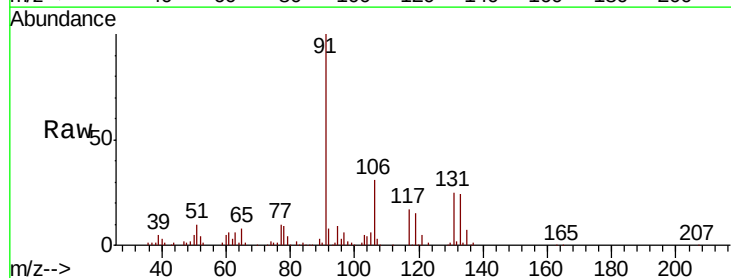
Instrument :
MSVOA_D
ClientSampleId :
VD0417SBS01

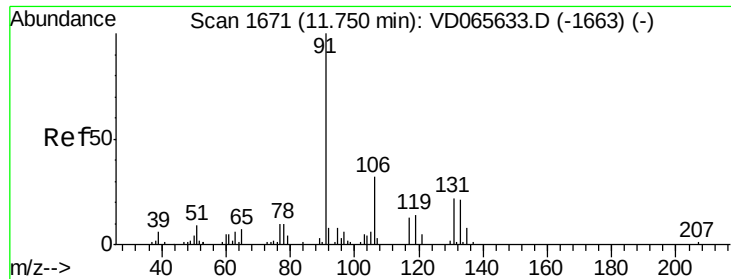
Tot Ion:112 Resp: 110627
Ion Ratio Lower Upper
112 100
114 30.0 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 19.410 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD065656.D
Acq: 17 Apr 2020 20:45

Tgt Ion:131 Resp: 43032
Ion Ratio Lower Upper
131 100
133 95.3 47.7 143.1
119 62.6 32.6 97.7





#67

Ethyl Benzene

Concen: 17.968 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065656.D

Acq: 17 Apr 2020 20:45

Instrument :

MSVOA_D

ClientSampleId :

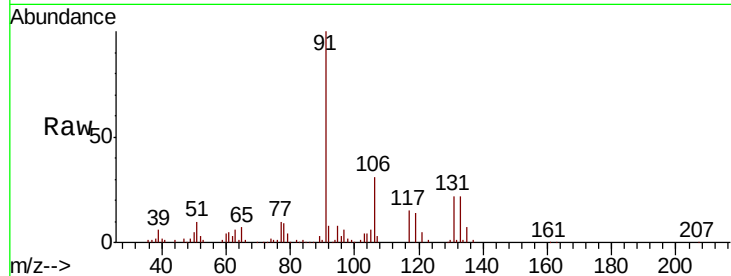
VD0417SBS01

Tot Ion: 91 Resp: 178062

Ion Ratio Lower Upper

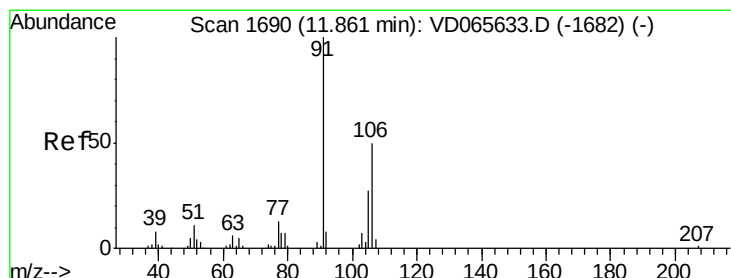
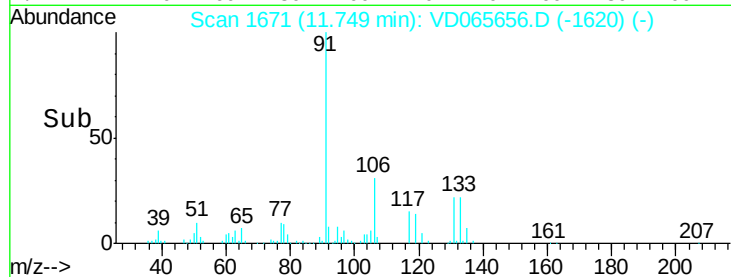
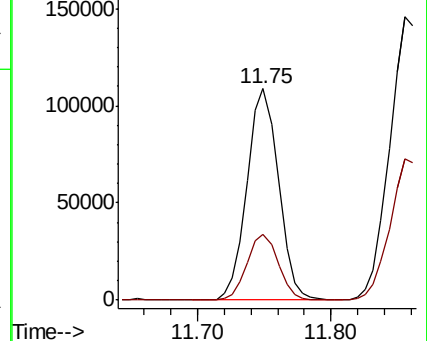
91 100

106 31.2 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 36.323 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD065656.D

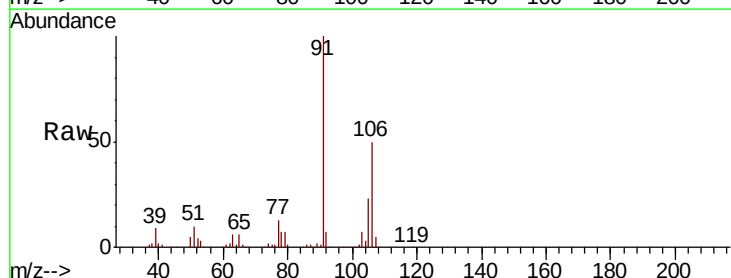
Acq: 17 Apr 2020 20:45

Tgt Ion: 106 Resp: 139065

Ion Ratio Lower Upper

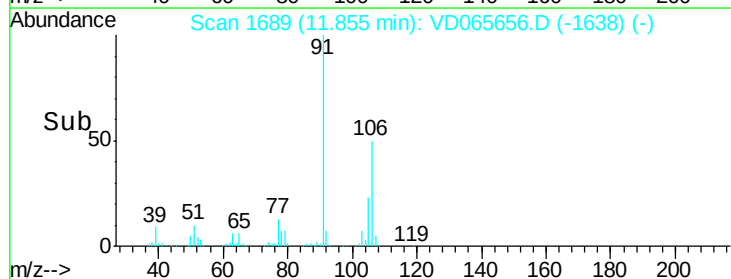
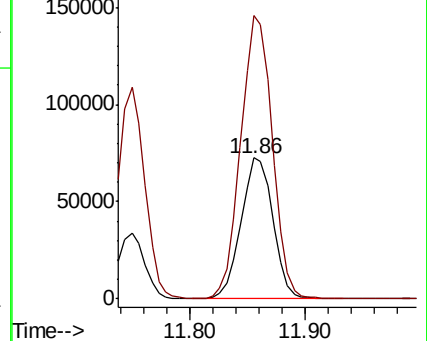
106 100

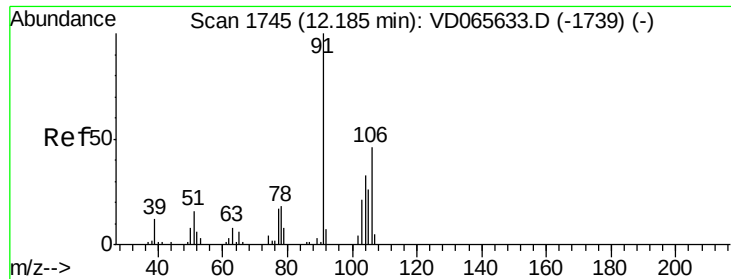
91 199.2 157.9 236.9



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

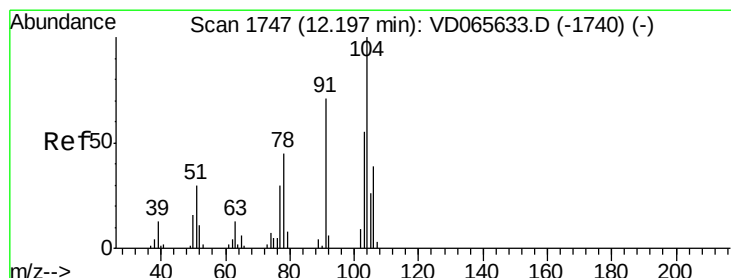
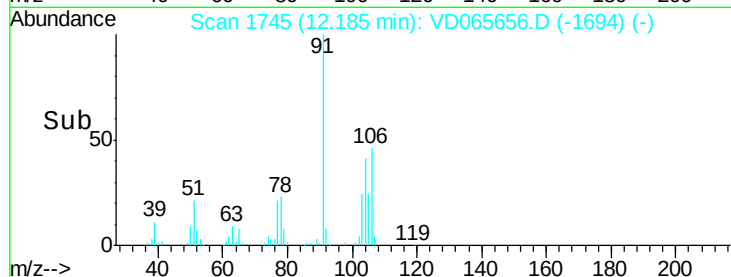
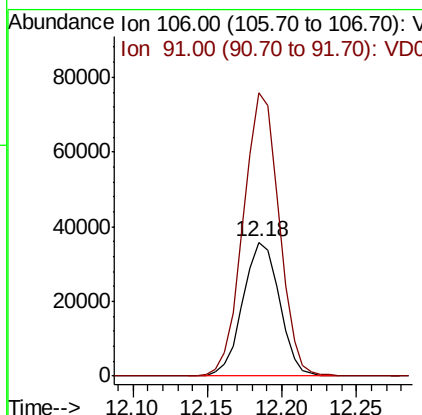
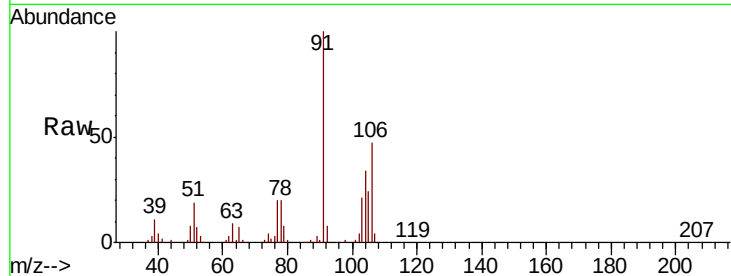




#69
o-Xylene
Concen: 18.115 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065656.D
Acq: 17 Apr 2020 20:45

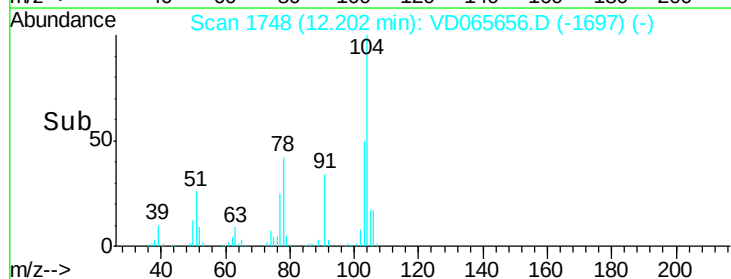
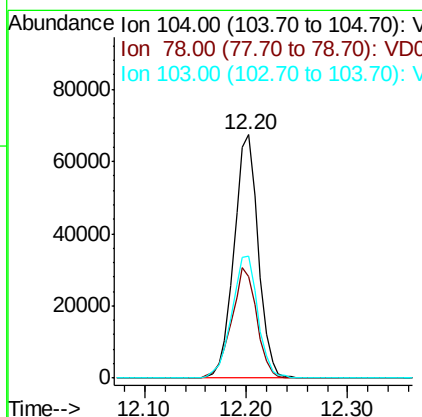
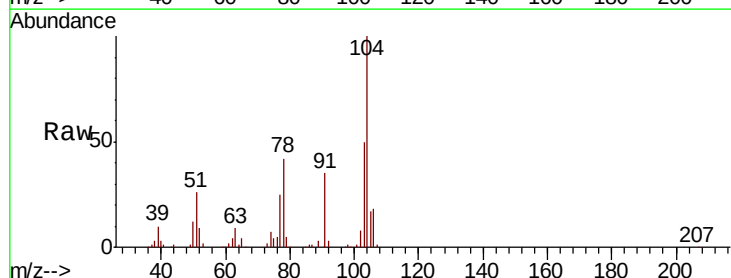
Instrument :
MSVOA_D
ClientSampleId :
VD0417SBS01

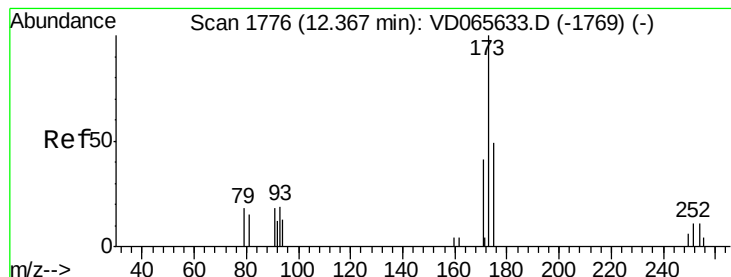
Tot Ion:106 Resp: 60852
Ion Ratio Lower Upper
106 100
91 207.7 103.6 310.9



#70
Styrene
Concen: 18.827 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065656.D
Acq: 17 Apr 2020 20:45

Tgt Ion:104 Resp: 111946
Ion Ratio Lower Upper
104 100
78 47.1 37.5 56.3
103 53.9 43.4 65.0





#71

Bromoform

Concen: 19.077 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065656.D

Acq: 17 Apr 2020 20:45

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBS01

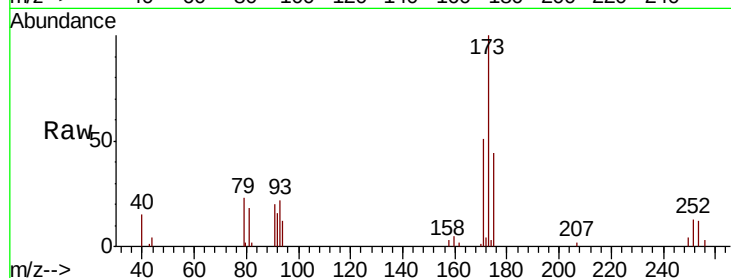
Tot Ion:173 Resp: 23761

Ion Ratio Lower Upper

173 100

175 48.8 25.1 75.2

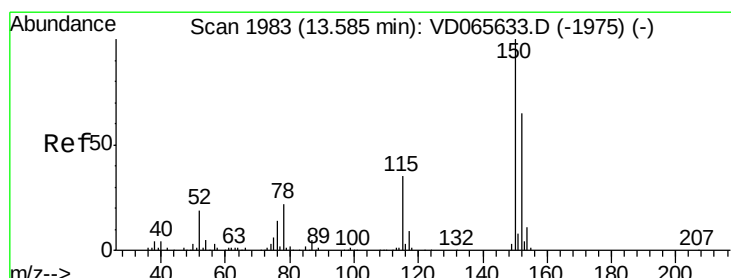
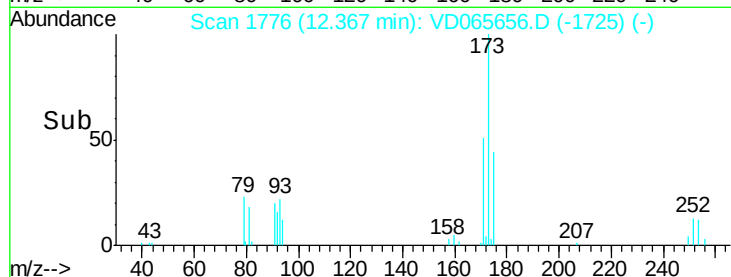
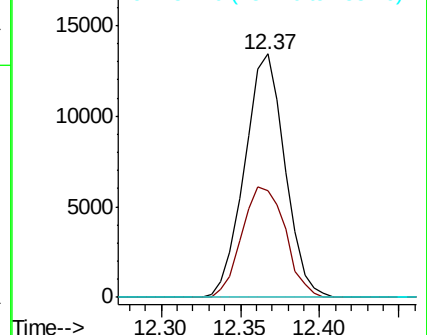
254 0.0 0.0 0.0



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: VD065656.D

Acq: 17 Apr 2020 20:45

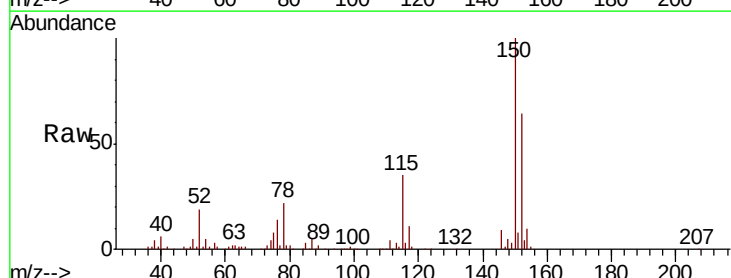
Tgt Ion:152 Resp: 154947

Ion Ratio Lower Upper

152 100

115 55.0 27.6 82.7

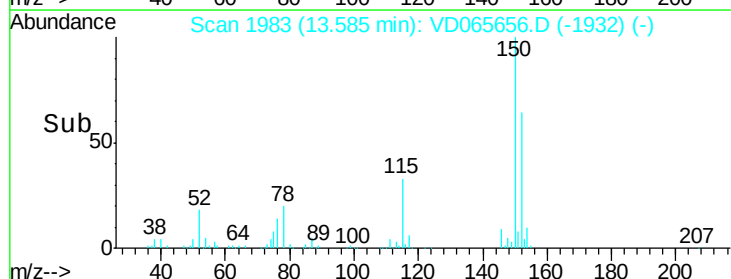
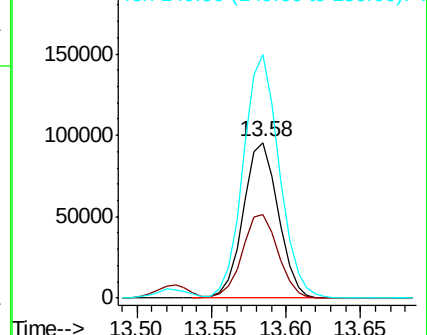
150 160.9 0.0 346.0

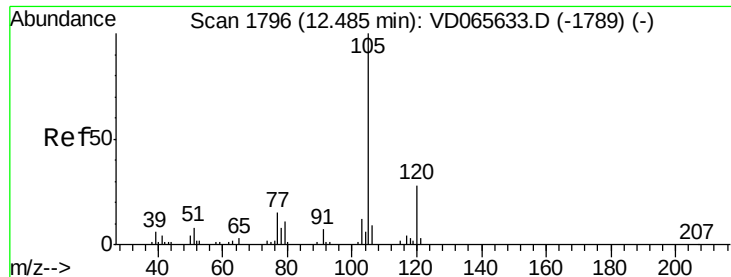


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 16.931 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065656.D

Acq: 17 Apr 2020 20:45

Instrument :

MSVOA_D

ClientSampleId :

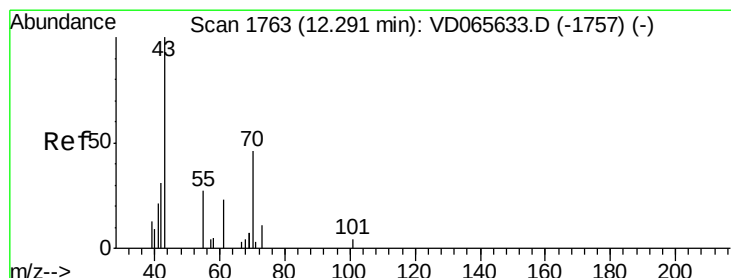
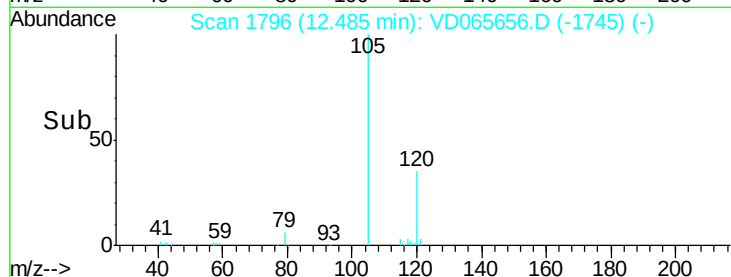
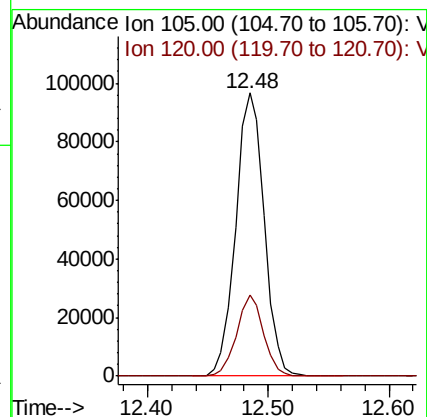
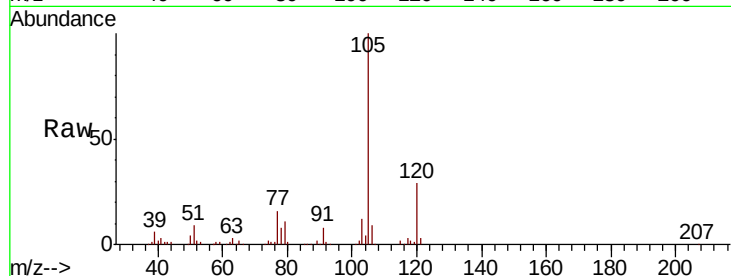
VD0417SBS01

Tot Ion:105 Resp: 158226

Ion Ratio Lower Upper

105 100

120 27.0 13.4 40.2



#74

N-ethyl acetate

Concen: 18.538 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065656.D

Acq: 17 Apr 2020 20:45

Tgt Ion: 43 Resp: 36492

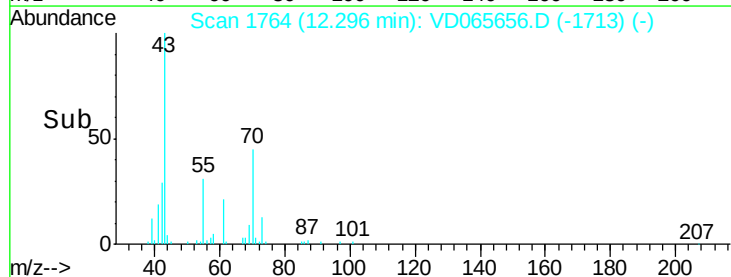
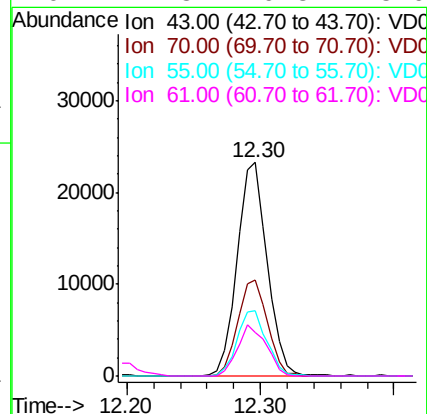
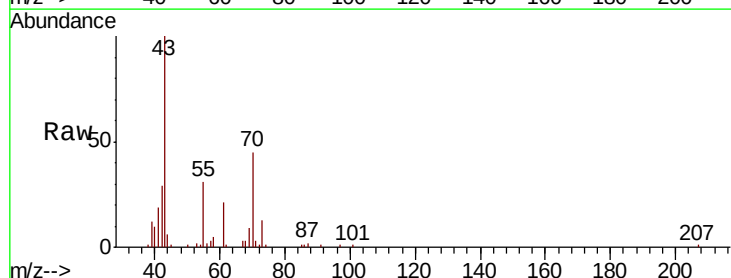
Ion Ratio Lower Upper

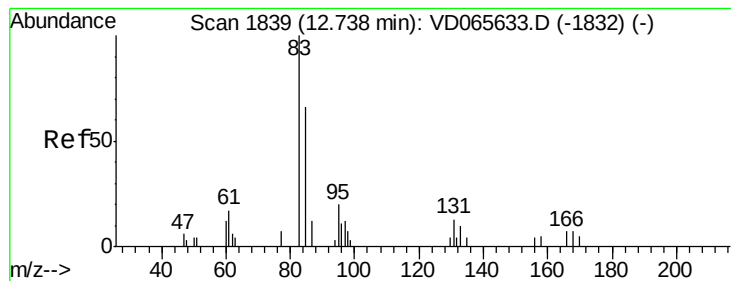
43 100

70 44.1 35.4 53.0

55 30.2 22.2 33.2

61 22.8 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.441 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065656.D

Acq: 17 Apr 2020 20:45

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBS01

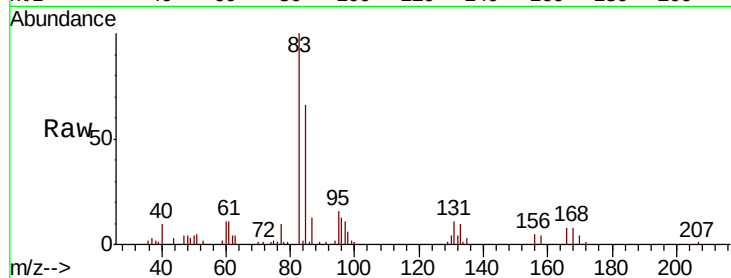
Tot Ion: 83 Resp: 34685

Ion Ratio Lower Upper

83 100

131 11.2 5.7 17.0

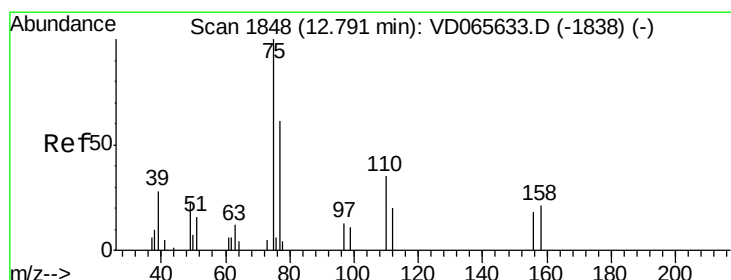
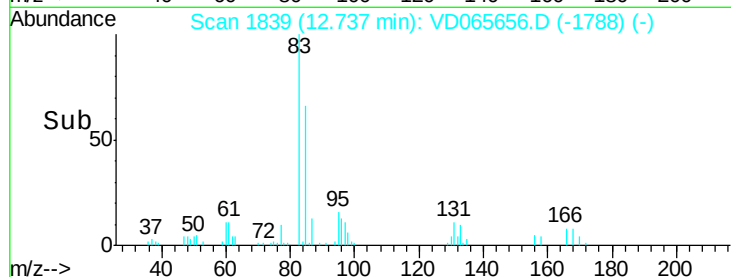
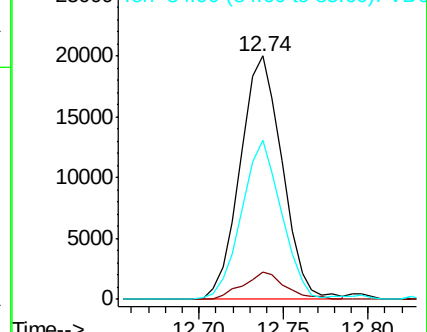
85 62.3 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 34.694 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065656.D

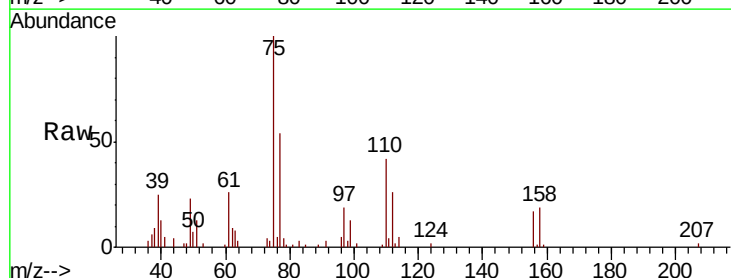
Acq: 17 Apr 2020 20:45

Tgt Ion: 75 Resp: 43222

Ion Ratio Lower Upper

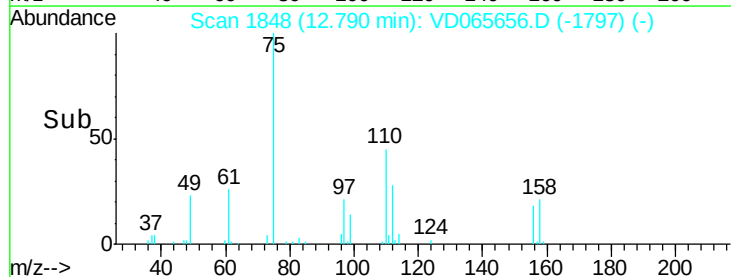
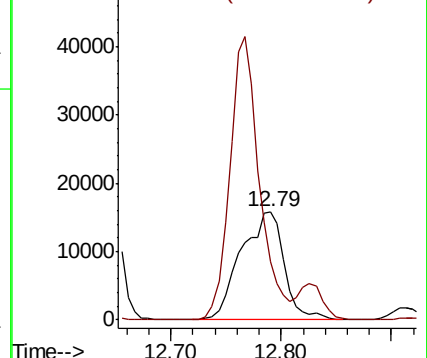
75 100

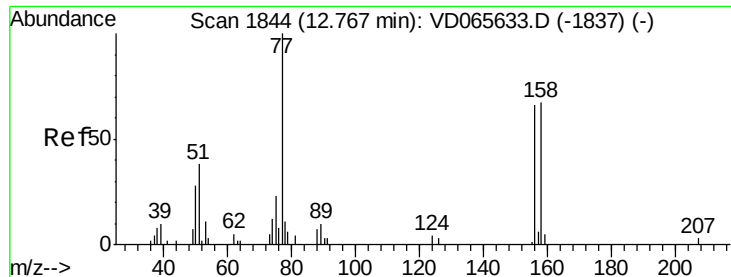
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 18.871 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065656.D

Acq: 17 Apr 2020 20:45

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBS01

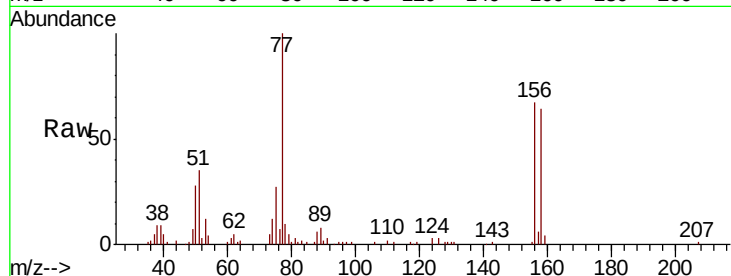
Tot Ion:156 Resp: 46833

Ion Ratio Lower Upper

156 100

77 166.1 84.7 254.1

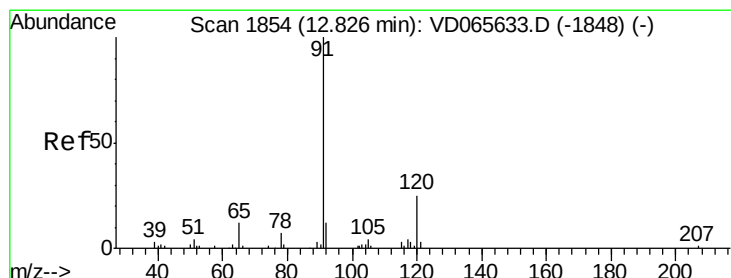
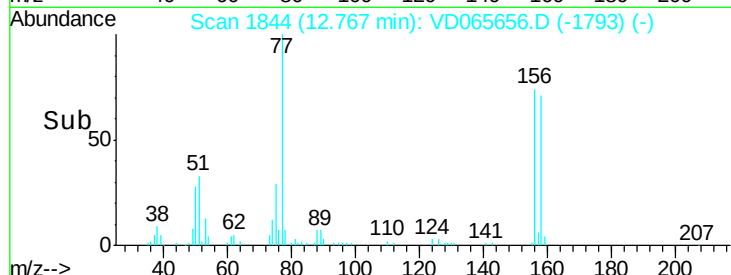
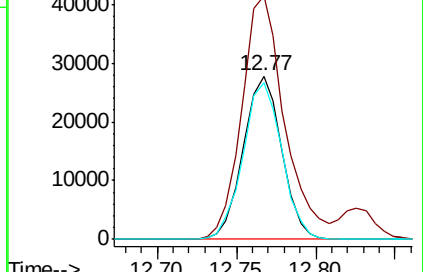
158 97.4 48.5 145.5



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: 17.829 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065656.D

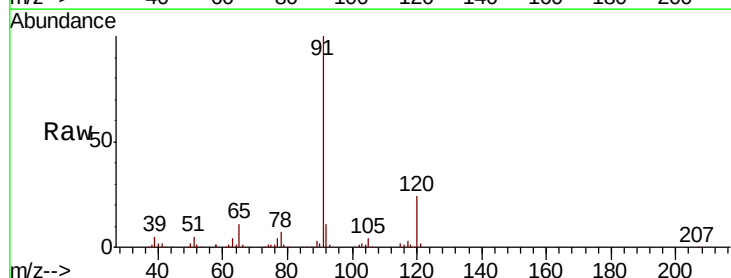
Acq: 17 Apr 2020 20:45

Tgt Ion: 91 Resp: 201562

Ion Ratio Lower Upper

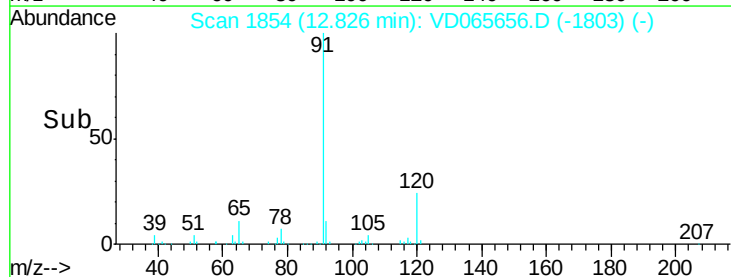
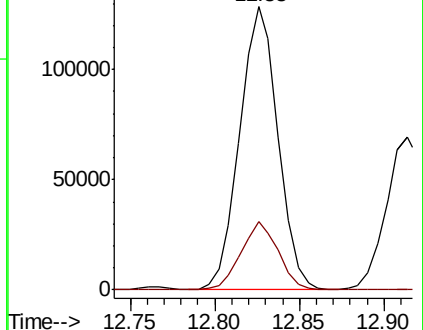
91 100

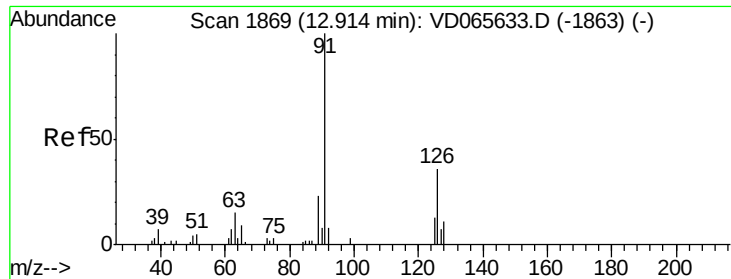
120 23.6 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.128 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065656.D

Acq: 17 Apr 2020 20:45

Instrument :

MSVOA_D

ClientSampleId :

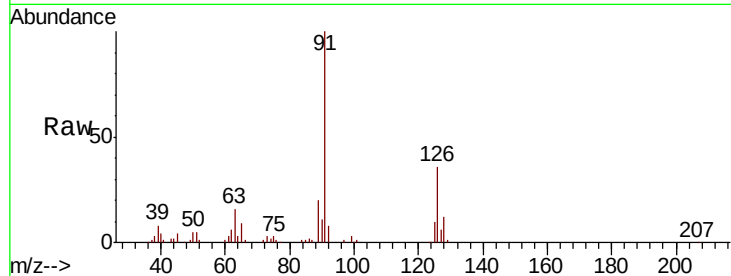
VD0417SBS01

Tot Ion: 91 Resp: 116386

Ion Ratio Lower Upper

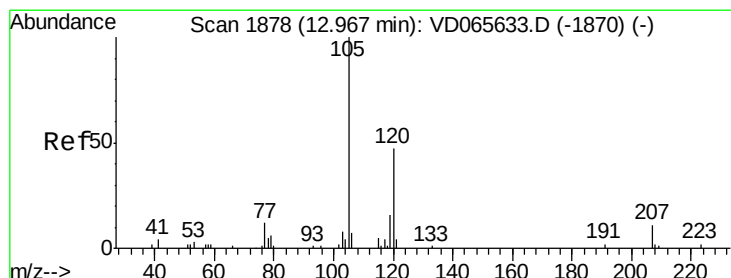
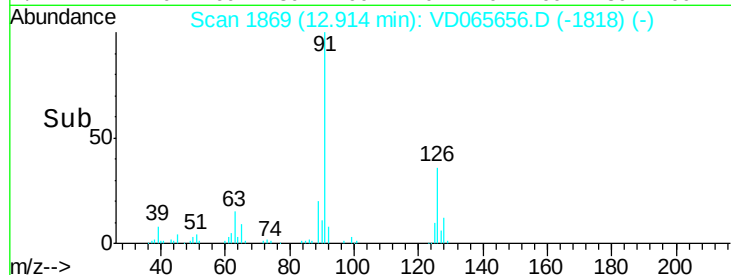
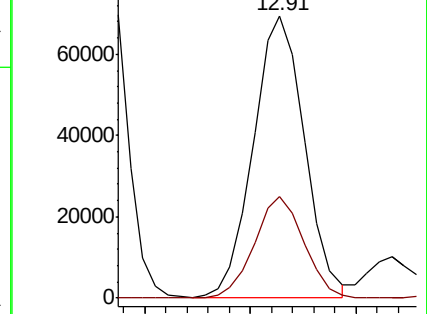
91 100

126 35.0 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): VD065633.D (-1863) (-)

Ion 125.90 (125.60 to 126.60): VD065633.D (-1863) (-)



#80

1,3,5-Trimethylbenzene

Concen: 17.914 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065656.D

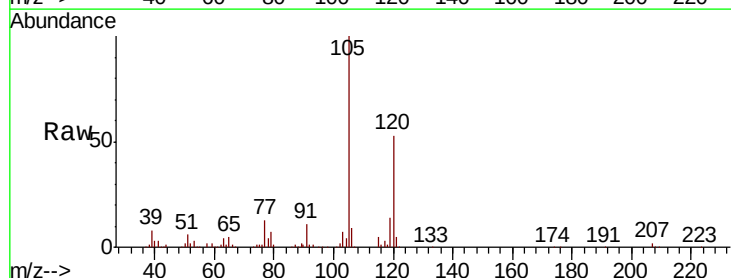
Acq: 17 Apr 2020 20:45

Tgt Ion:105 Resp: 141281

Ion Ratio Lower Upper

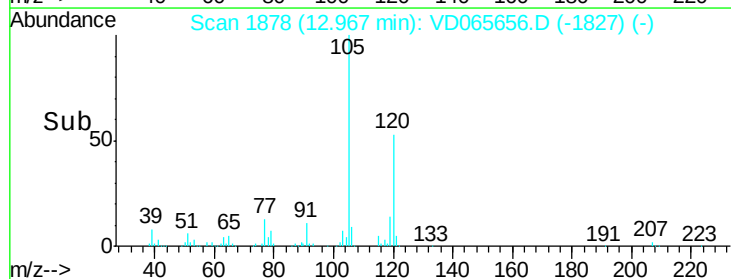
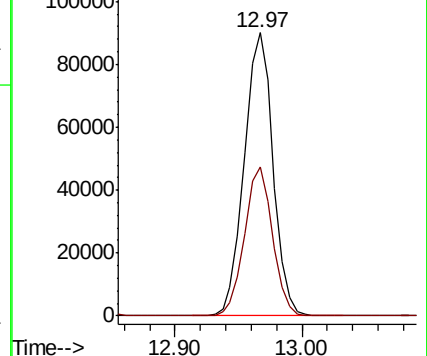
105 100

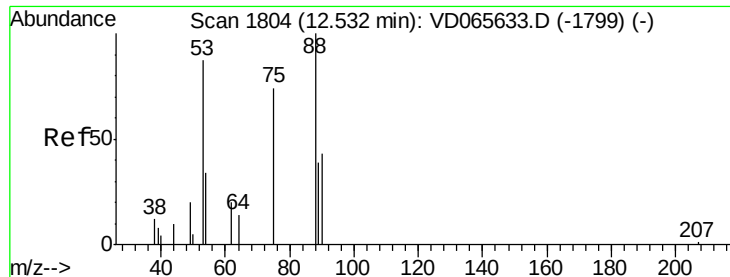
120 51.4 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): VD065633.D (-1870) (-)

Ion 120.00 (119.70 to 120.70): VD065633.D (-1870) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.186 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065656.D

Acq: 17 Apr 2020 20:45

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBS01

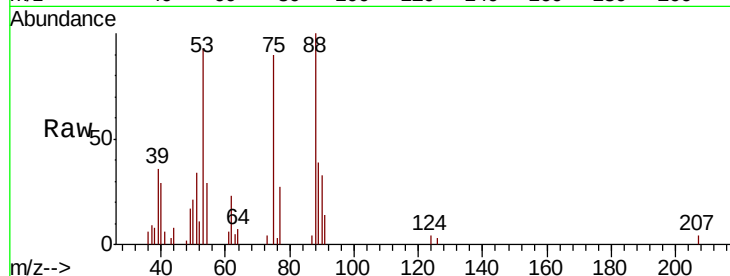
Tot Ion: 75 Resp: 10338

Ion Ratio Lower Upper

75 100

53 102.1 76.8 115.2

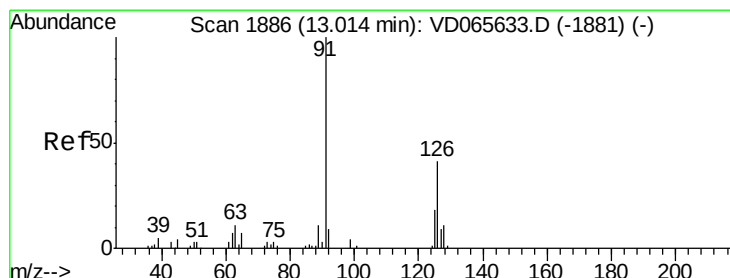
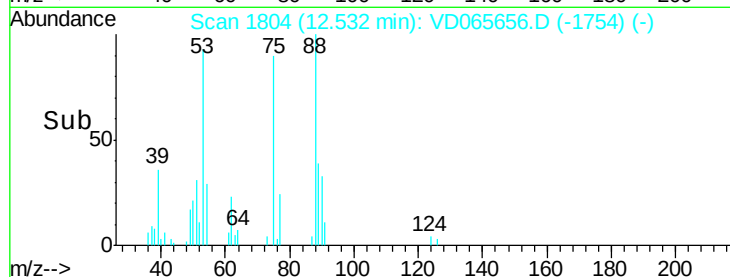
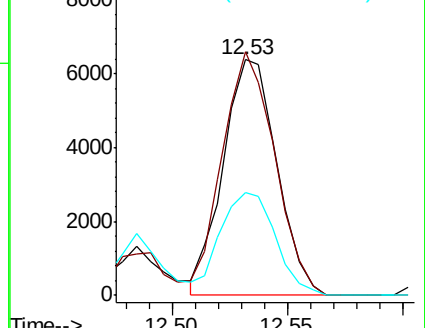
89 45.0 36.1 54.1



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: 18.176 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD065656.D

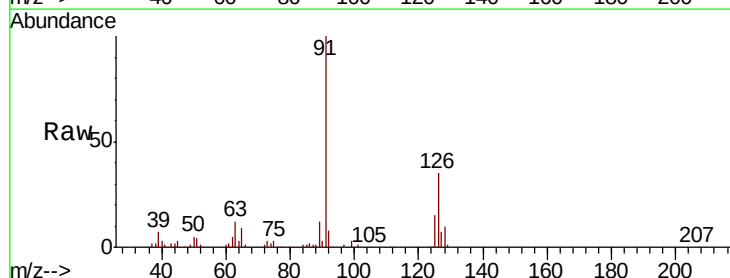
Acq: 17 Apr 2020 20:45

Tgt Ion: 91 Resp: 125572

Ion Ratio Lower Upper

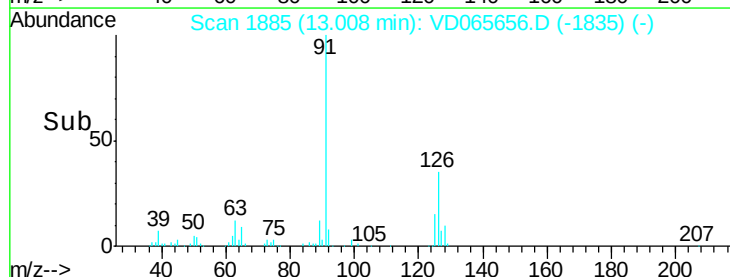
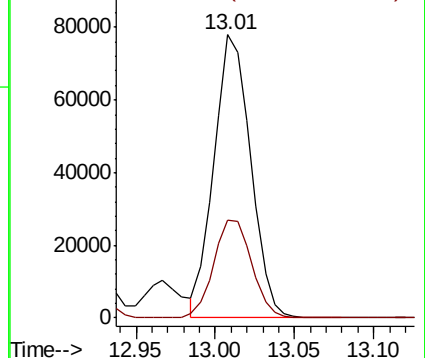
91 100

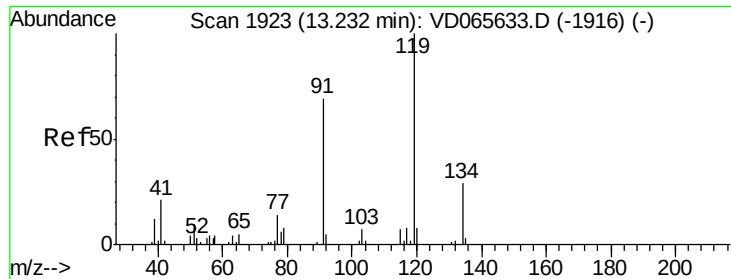
126 36.0 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

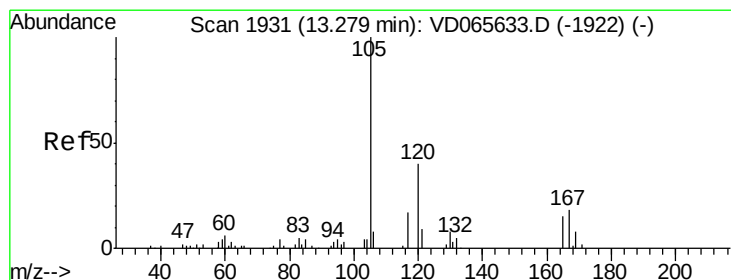
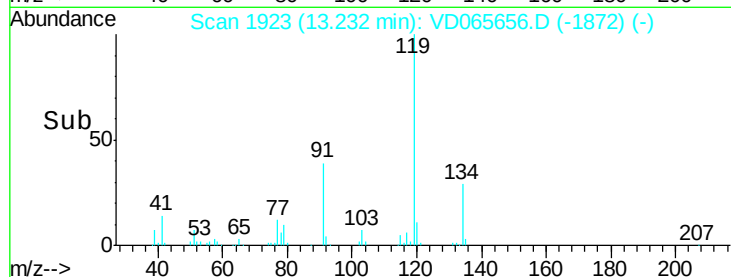
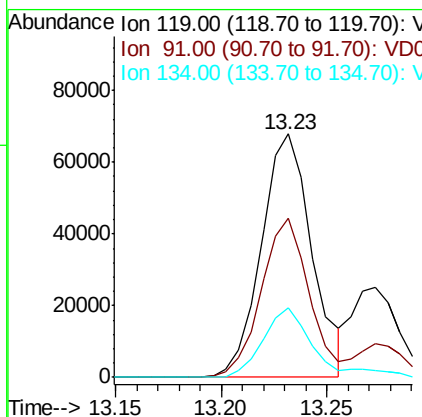
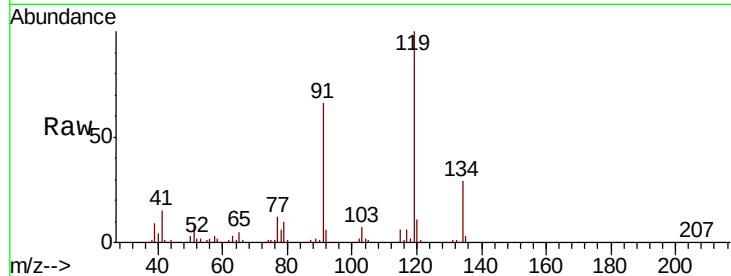




#83
 tert-Butylbenzene
 Concen: 17.133 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD065656.D
 Acq: 17 Apr 2020 20:45

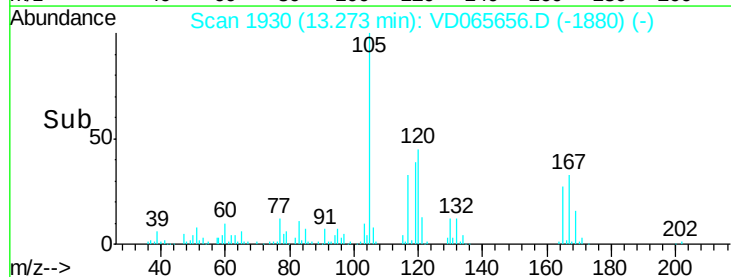
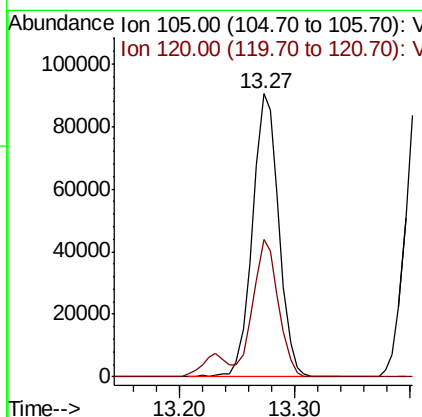
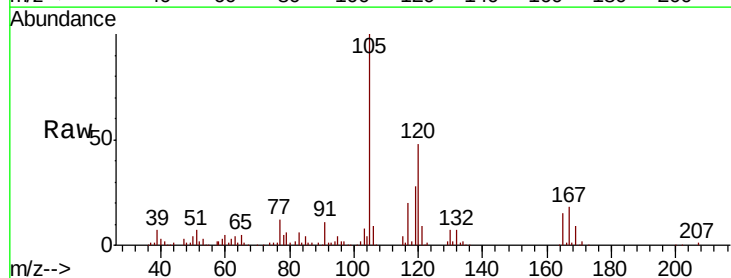
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBS01

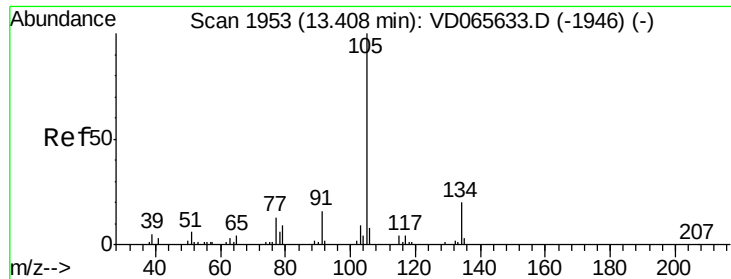
Tot Ion:119 Resp: 113295
 Ion Ratio Lower Upper
 119 100
 91 61.7 31.7 95.1
 134 29.0 14.0 41.9



#84
 1,2,4-Trimethylbenzene
 Concen: 18.239 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.01 min
 Lab File: VD065656.D
 Acq: 17 Apr 2020 20:45

Tgt Ion:105 Resp: 143406
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.5 70.6





#85

sec-Butylbenzene

Concen: 16.946 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065656.D

Acq: 17 Apr 2020 20:45

Instrument :

MSVOA_D

ClientSampleId :

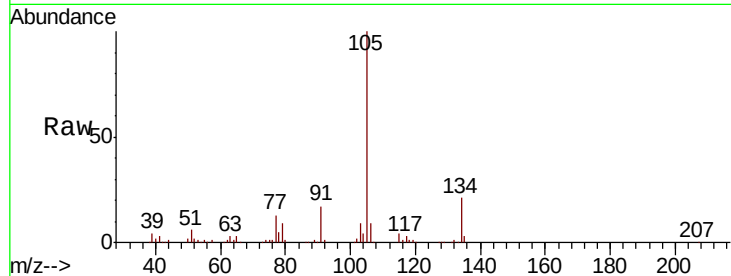
VD0417SBS01

Tot Ion:105 Resp: 160310

Ion Ratio Lower Upper

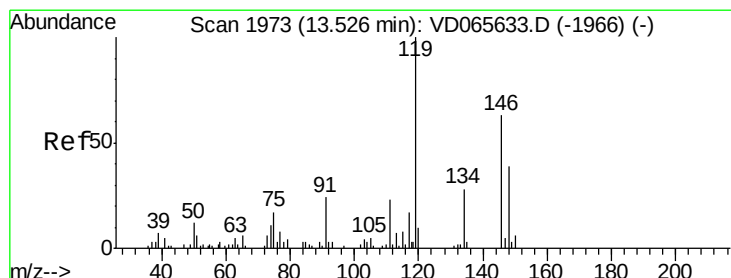
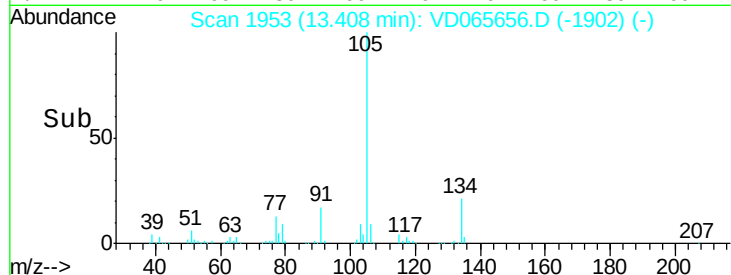
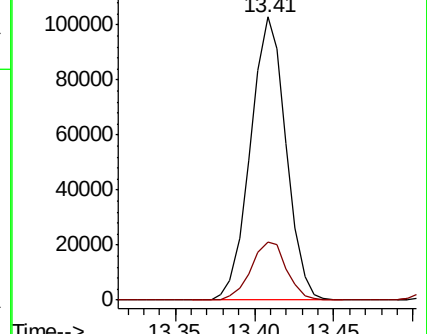
105 100

134 20.6 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 16.278 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065656.D

Acq: 17 Apr 2020 20:45

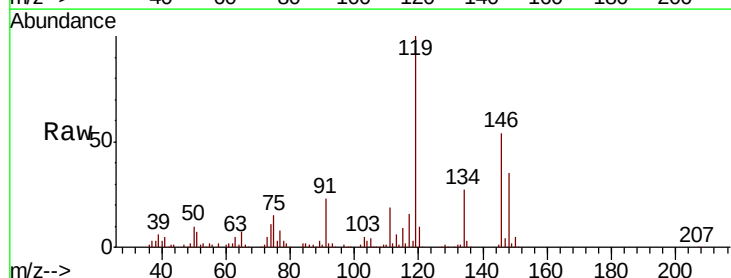
Tgt Ion:119 Resp: 144524

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

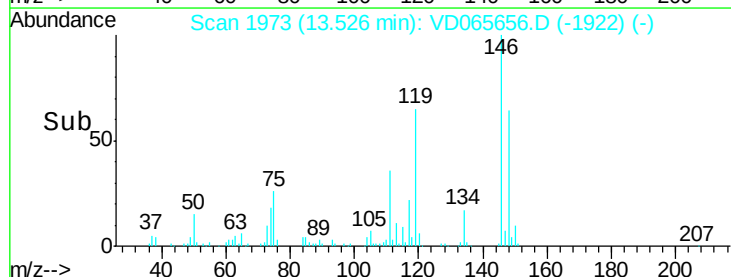
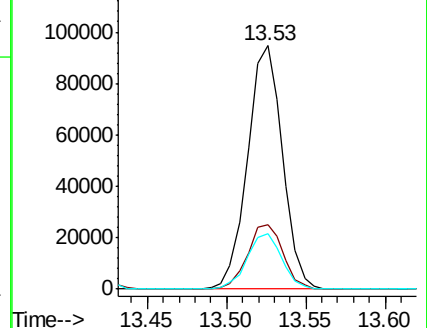
91 22.7 11.1 33.3

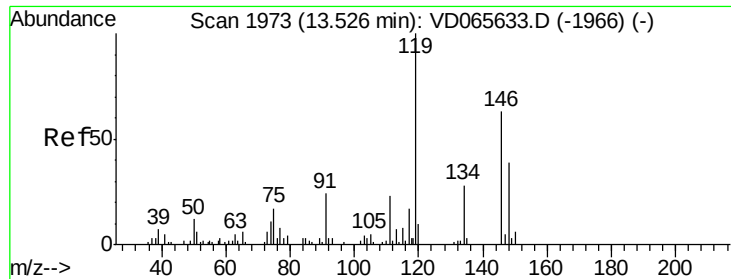


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

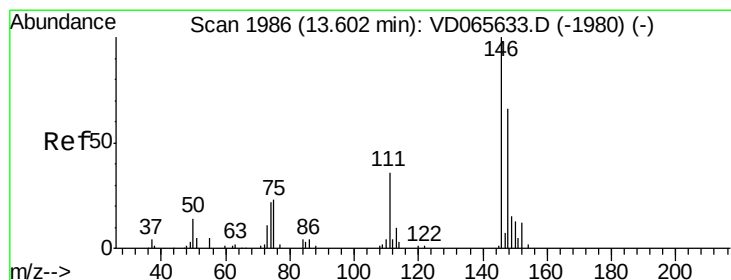
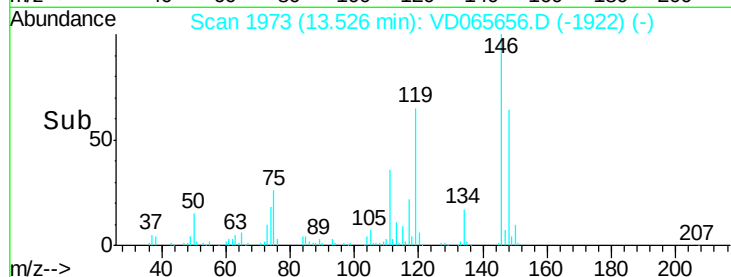
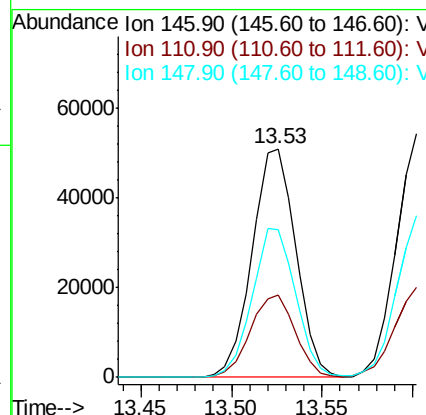
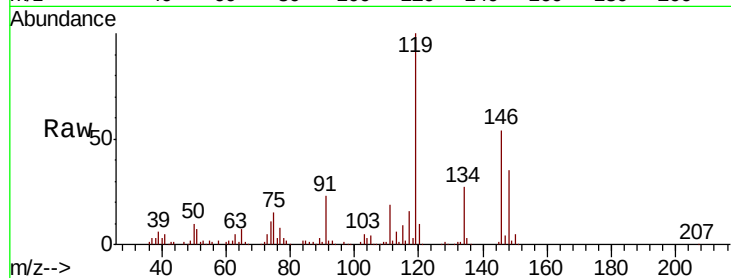




#87
 1,3-Dichlorobenzene
 Concen: 17.531 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065656.D
 Acq: 17 Apr 2020 20:45

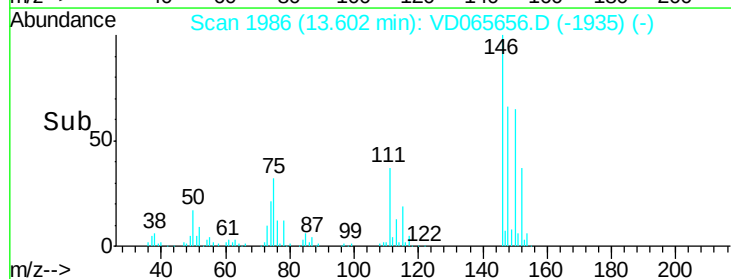
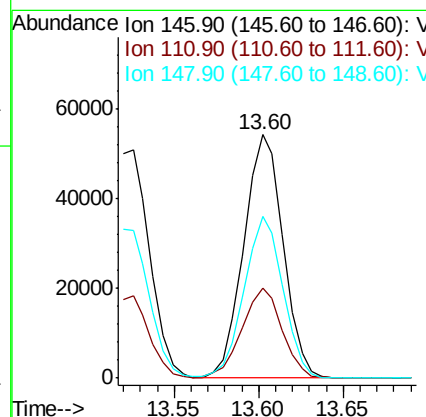
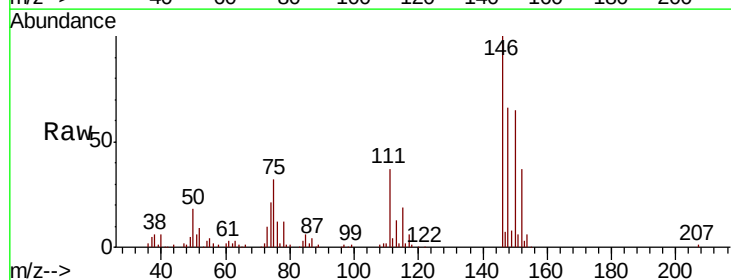
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBS01

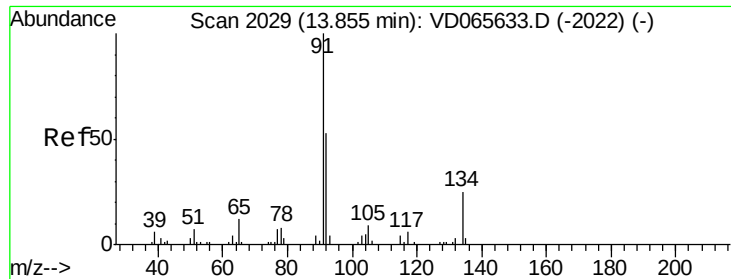
Tot Ion:146 Resp: 85182
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.6 55.6
 148 64.8 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 18.164 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065656.D
 Acq: 17 Apr 2020 20:45

Tgt Ion:146 Resp: 87849
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.0 54.0
 148 65.7 31.4 94.2

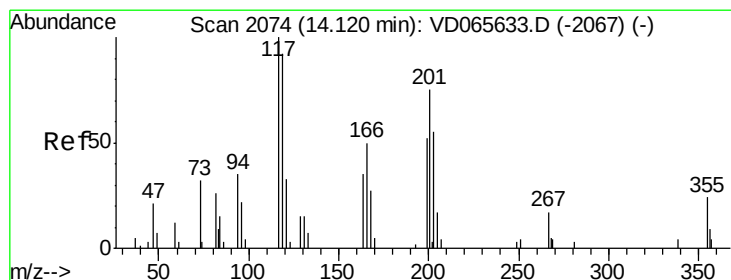
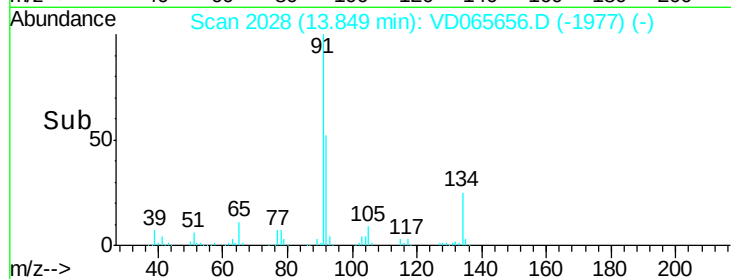
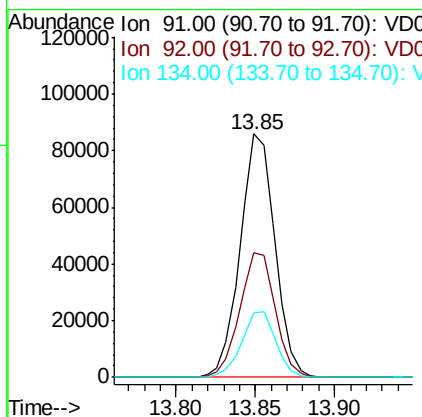
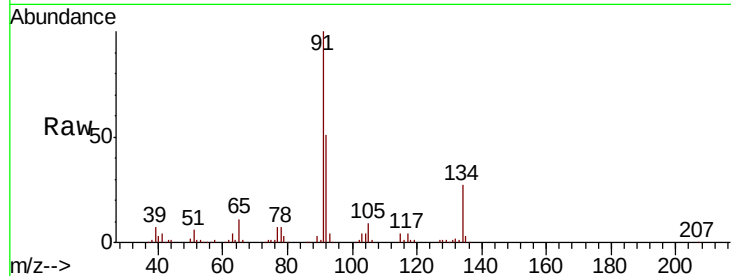




#89
n-Butylbenzene
Concen: 16.224 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD065656.D
Acq: 17 Apr 2020 20:45

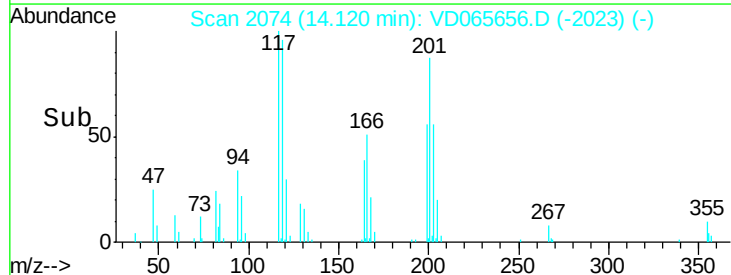
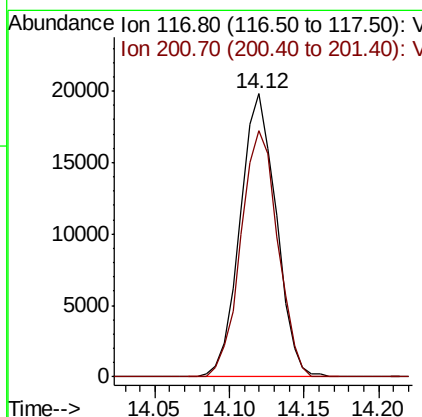
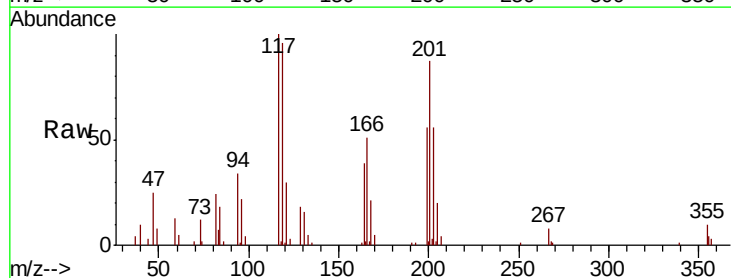
Instrument :
MSVOA_D
ClientSampleId :
VD0417SBS01

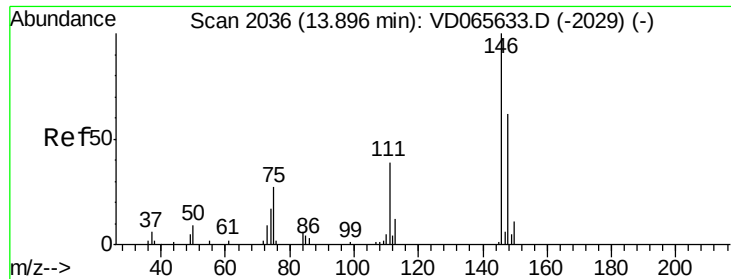
Tot Ion: 91 Resp: 130735
Ion Ratio Lower Upper
91 100
92 52.3 26.9 80.6
134 26.4 13.6 40.8



#90
Hexachloroethane
Concen: 17.845 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065656.D
Acq: 17 Apr 2020 20:45

Tgt Ion: 117 Resp: 33227
Ion Ratio Lower Upper
117 100
201 88.7 44.9 134.7

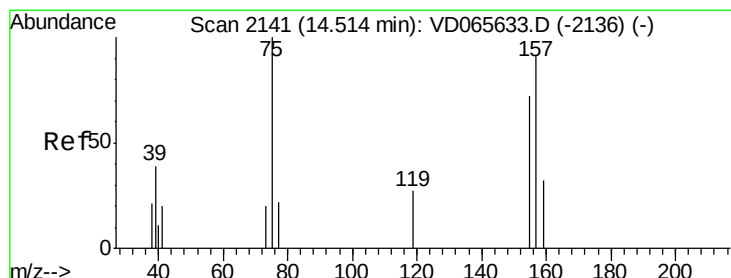
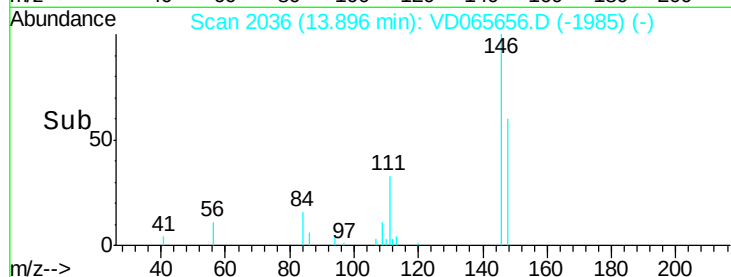
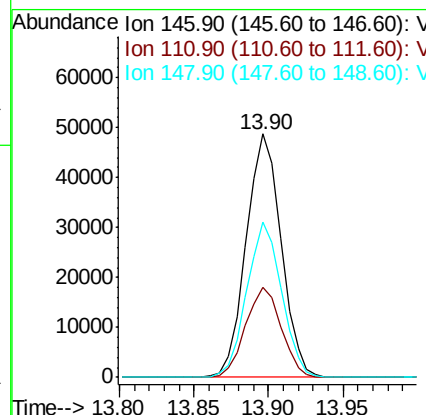
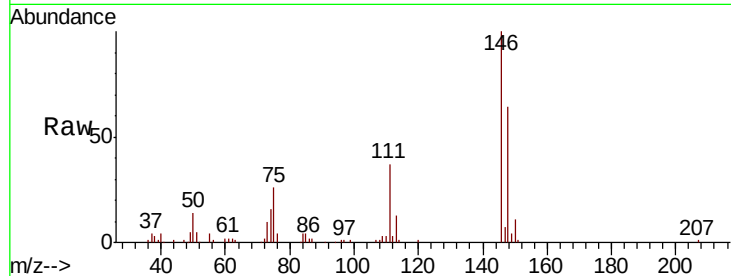




#91
 1,2-Dichlorobenzene
 Concen: 18.949 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD065656.D
 Acq: 17 Apr 2020 20:45

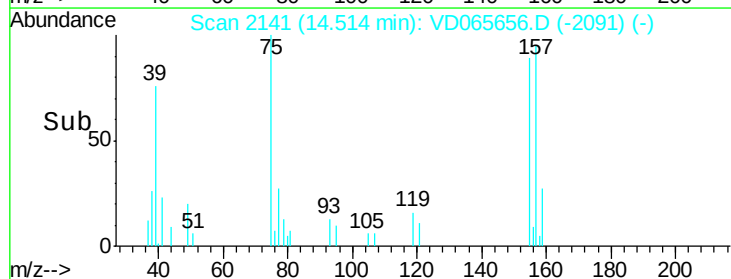
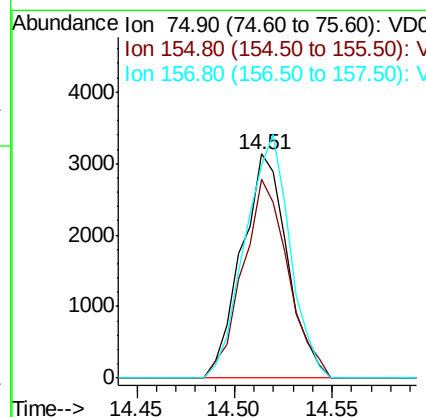
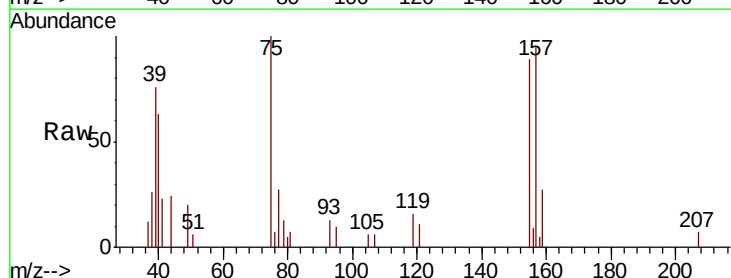
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBS01

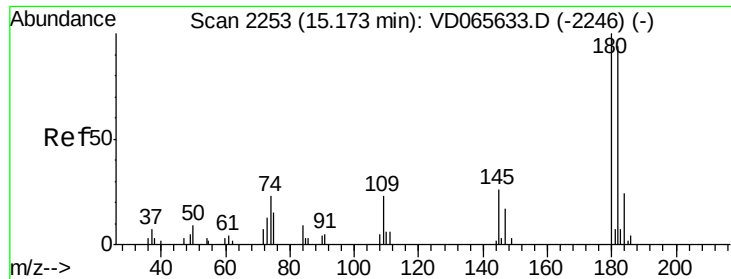
Tot Ion:146 Resp: 78946
 Ion Ratio Lower Upper
 146 100
 111 37.6 19.3 57.9
 148 63.6 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.765 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065656.D
 Acq: 17 Apr 2020 20:45

Tgt Ion: 75 Resp: 5072
 Ion Ratio Lower Upper
 75 100
 155 88.1 48.0 144.2
 157 106.5 59.2 177.6

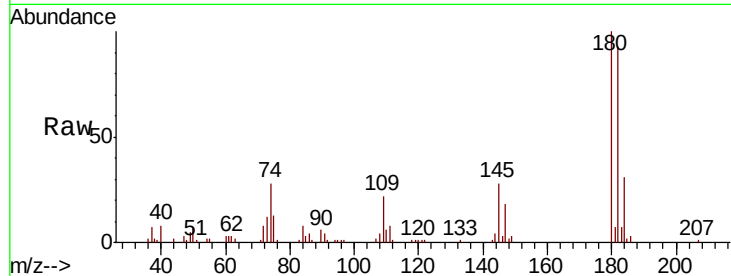




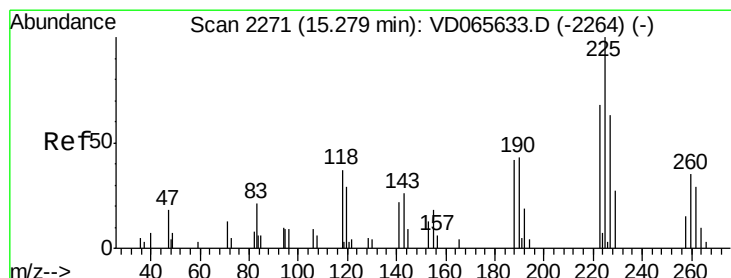
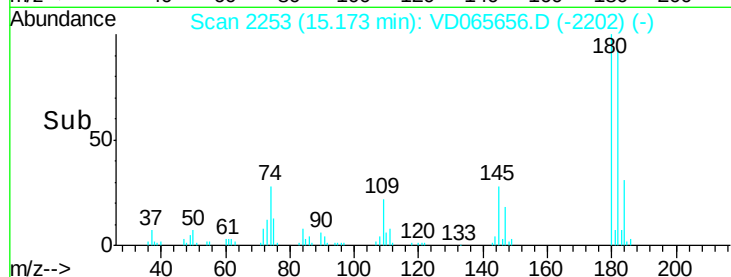
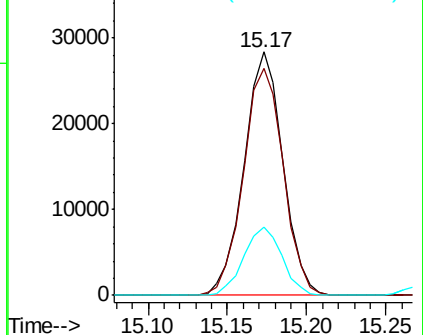
#93
 1,2,4-Trichlorobenzene
 Concen: 16.826 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD065656.D
 Acq: 17 Apr 2020 20:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBS01

Tot Ion:180 Resp: 48218
 Ion Ratio Lower Upper
 180 100
 182 95.7 48.9 146.6
 145 27.6 13.8 41.3

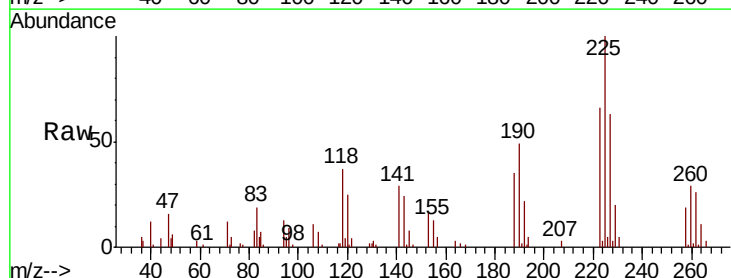


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

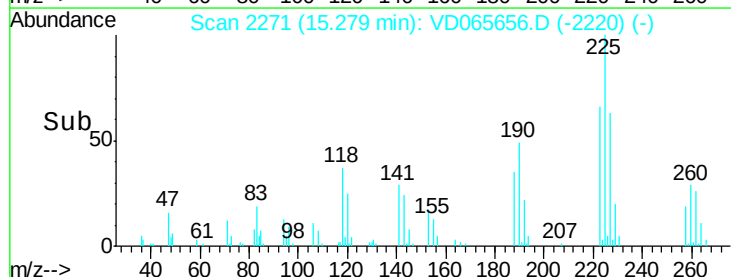
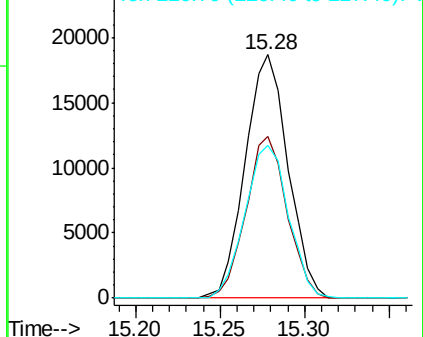


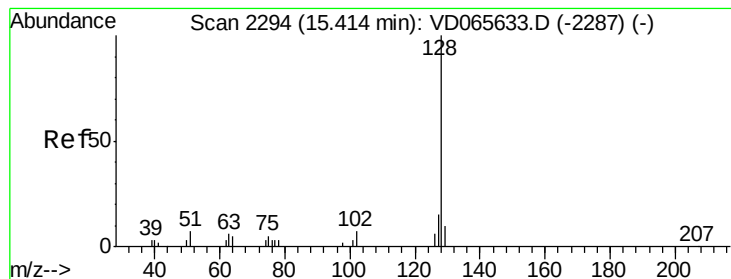
#94
 Hexachlorobutadiene
 Concen: 16.788 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065656.D
 Acq: 17 Apr 2020 20:45

Tgt Ion:225 Resp: 32985
 Ion Ratio Lower Upper
 225 100
 223 63.7 31.9 95.5
 227 63.7 32.0 96.2



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: 17.487 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VD065656.D

Acq: 17 Apr 2020 20:45

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBS01

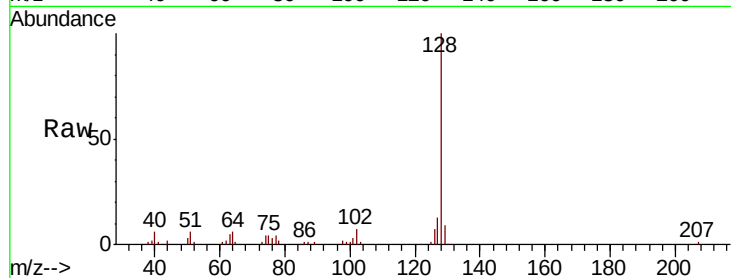
Tot Ion:128 Resp: 71593

Ion Ratio Lower Upper

128 100

127 13.5 10.6 16.0

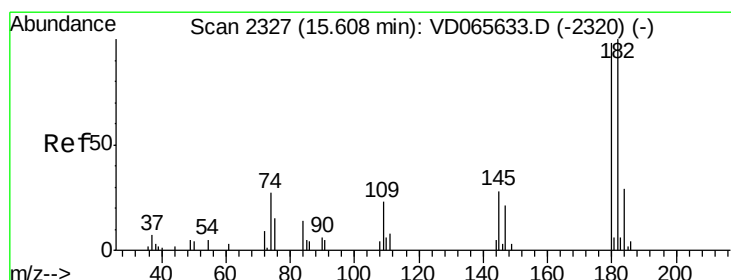
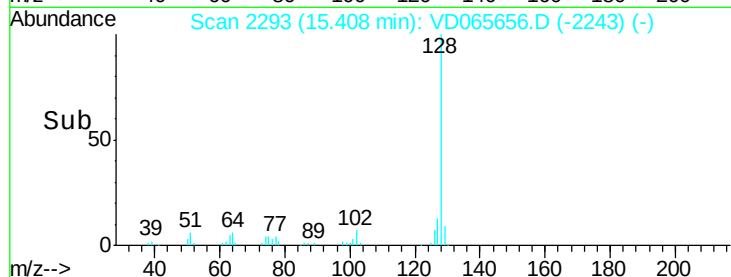
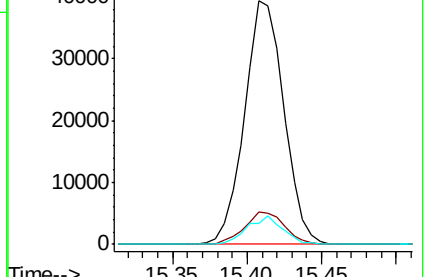
129 10.5 8.8 13.2



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: 17.559 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. -0.00 min

Lab File: VD065656.D

Acq: 17 Apr 2020 20:45

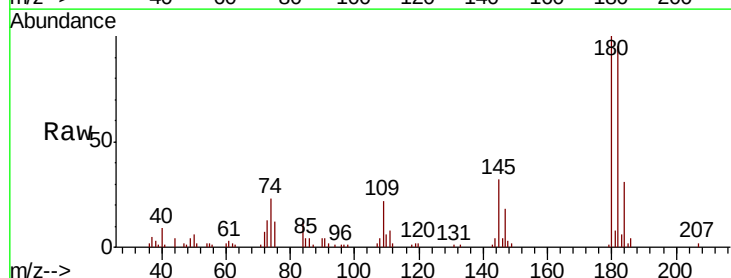
Tgt Ion:180 Resp: 44393

Ion Ratio Lower Upper

180 100

182 96.2 47.8 143.3

145 30.2 15.0 45.0



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

