

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071620\
 Data File : VD065953.D
 Acq On : 16 Jul 2020 13:18
 Operator : VA/SY
 Sample : VD0716SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0716SBS01

Quant Time: Jul 17 03:37:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 09:45:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	360715	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	522201	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	484591	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	255505	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	142325	44.52	ug/l	0.00
Spiked Amount			Recovery	=	89.04%	
35) Dibromofluoromethane	7.91	113	154514	47.96	ug/l	0.00
Spiked Amount			Recovery	=	95.92%	
50) Toluene-d8	10.34	98	561239	47.75	ug/l	0.00
Spiked Amount			Recovery	=	95.50%	
62) 4-Bromofluorobenzene	12.64	95	198819	49.26	ug/l	0.00
Spiked Amount			Recovery	=	98.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	67656	21.098	ug/l	91
3) Chloromethane	2.20	50	55709	17.524	ug/l	94
4) Vinyl Chloride	2.35	62	51172	17.531	ug/l	99
5) Bromomethane	2.76	94	32295	17.467	ug/l	90
6) Chloroethane	2.92	64	31000	17.767	ug/l	97
7) Trichlorofluoromethane	3.27	101	125661	20.087	ug/l	97
8) Diethyl Ether	3.70	74	32008	18.650	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	76162	20.353	ug/l	98
10) Methyl Iodide	4.30	142	71136	19.655	ug/l	99
11) Tert butyl alcohol	5.21	59	23423	102.885	ug/l #	94
12) 1,1-Dichloroethene	4.06	96	72874	20.846	ug/l	95
13) Acrolein	3.92	56	17255	89.621	ug/l	97
14) Allyl chloride	4.71	41	109274	18.445	ug/l	97
15) Acrylonitrile	5.41	53	71496	95.147	ug/l	98
16) Acetone	4.16	43	75199	100.374	ug/l	94
17) Carbon Disulfide	4.41	76	219379	19.695	ug/l	100
18) Methyl Acetate	4.71	43	32898	18.733	ug/l	96
19) Methyl tert-butyl Ether	5.47	73	147169	19.885	ug/l	99
20) Methylene Chloride	4.96	84	110989	22.005	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	78900	20.060	ug/l	91
22) Diisopropyl ether	6.36	45	214639	19.279	ug/l	99
23) Vinyl Acetate	6.30	43	600853	94.551	ug/l	99
24) 1,1-Dichloroethane	6.26	63	130647	19.680	ug/l	99
25) 2-Butanone	7.21	43	95282	96.247	ug/l	97
26) 2,2-Dichloropropane	7.21	77	118409	20.389	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	87352	20.670	ug/l	96
28) Bromochloromethane	7.55	49	53737	21.428	ug/l	94
29) Tetrahydrofuran	7.56	42	58062	92.234	ug/l	99
30) Chloroform	7.71	83	133000	19.762	ug/l	99
31) Cyclohexane	7.98	56	125349	19.191	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	122709	19.979	ug/l	99
36) 1,1-Dichloropropene	8.11	75	108026	20.945	ug/l	99
37) Ethyl Acetate	7.28	43	39720	18.380	ug/l #	95
38) Carbon Tetrachloride	8.09	117	116167	21.014	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.35	83	132014	20.849	ug/l	98
40) Benzene	8.35	78	300205	21.070	ug/l	100
41) Methacrylonitrile	7.52	41	18872	15.042	ug/l #	72
42) 1,2-Dichloroethane	8.43	62	81313	20.145	ug/l	100
43) Isopropyl Acetate	8.45	43	79434	19.748	ug/l	96
44) Trichloroethene	9.11	130	89204	21.308	ug/l	97
45) 1,2-Dichloropropane	9.39	63	73281	20.722	ug/l	94
46) Dibromomethane	9.47	93	37738	20.497	ug/l	96
47) Bromodichloromethane	9.66	83	99907	20.229	ug/l	97
48) Methyl methacrylate	9.46	41	40187	19.846	ug/l	97
49) 1,4-Dioxane	9.46	88	8839	404.047	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	199435	98.071	ug/l	99
52) Toluene	10.40	92	196329	21.659	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	95352	20.533	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	118195	21.064	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	54441	21.461	ug/l	97
56) Ethyl methacrylate	10.66	69	63050	20.350	ug/l	98
57) 1,3-Dichloropropane	10.95	76	91688	20.668	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	169758	113.134	ug/l	99
59) 2-Hexanone	10.98	43	140927	100.765	ug/l	96
60) Dibromochloromethane	11.14	129	73277	21.143	ug/l	100
61) 1,2-Dibromoethane	11.25	107	54009	21.354	ug/l	97
64) Tetrachloroethene	10.88	164	78013	22.137	ug/l	90
65) Chlorobenzene	11.67	112	211335	21.641	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	79676	21.814	ug/l	98
67) Ethyl Benzene	11.74	91	368849	21.261	ug/l	98
68) m/p-Xylenes	11.86	106	290713	44.106	ug/l	97
69) o-Xylene	12.18	106	127900	21.302	ug/l	100
70) Styrene	12.20	104	227567	21.956	ug/l	98
71) Bromoform	12.36	173	43939	21.260	ug/l #	98
73) Isopropylbenzene	12.48	105	364415	20.436	ug/l	99
74) N-amyl acetate	12.29	43	73673	18.412	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	58034	19.603	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	76649	35.761	ug/l #	100
77) Bromobenzene	12.76	156	89452	20.683	ug/l	97
78) n-propylbenzene	12.82	91	423440	20.254	ug/l	99
79) 2-Chlorotoluene	12.91	91	234261	19.752	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	302684	20.753	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	18500	18.546	ug/l	94
82) 4-Chlorotoluene	13.01	91	250933	20.166	ug/l	98
83) tert-Butylbenzene	13.23	119	261802	21.069	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	300078	20.669	ug/l	100
85) sec-Butylbenzene	13.40	105	363618	20.648	ug/l	99
86) p-Isopropyltoluene	13.52	119	335184	20.810	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	172314	21.292	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	168078	20.817	ug/l	98
89) n-Butylbenzene	13.85	91	301544	19.936	ug/l	99
90) Hexachloroethane	14.11	117	66888	20.593	ug/l	93
91) 1,2-Dichlorobenzene	13.89	146	143383	20.271	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9447	19.084	ug/l	94

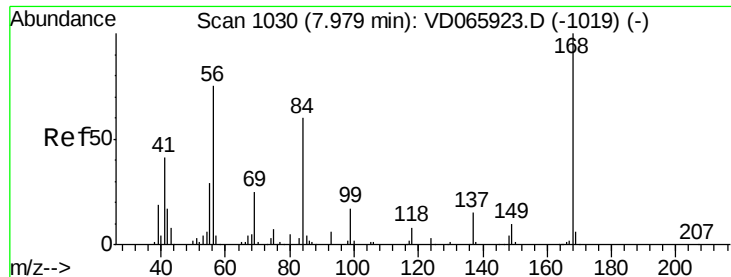
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD071620\
Data File : VD065953.D
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Operator : VA/SY
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Quant Title : SW846 8260
QLast Update : Wed Jul 08 09:45:47 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	108708	21.564	ug/l	96
94) Hexachlorobutadiene	15.27	225	64796	21.248	ug/l	98
95) Naphthalene	15.40	128	168297	19.905	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	93334	21.464	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

Instrument :

MSVOA_D

ClientSampleId :

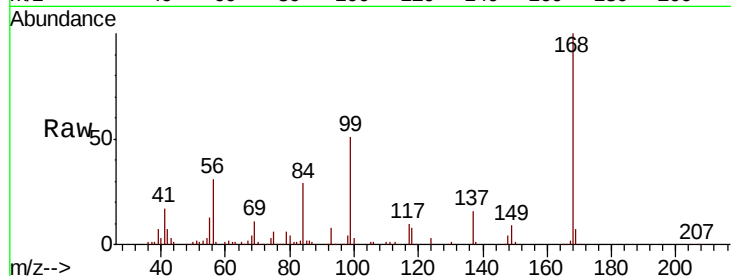
VD0716SBS01

Tot Ion:168 Resp: 360715

Ion Ratio Lower Upper

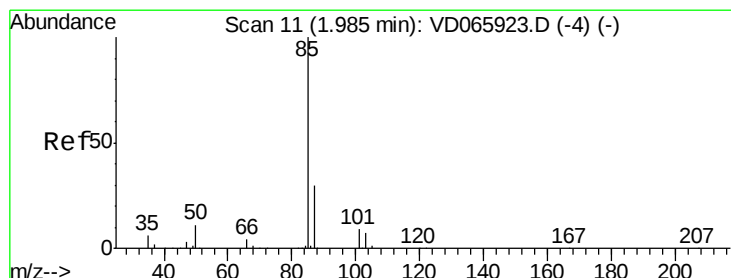
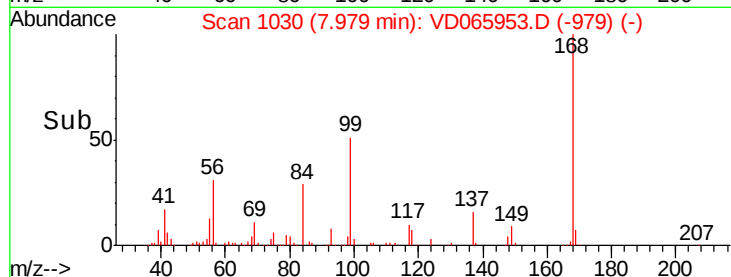
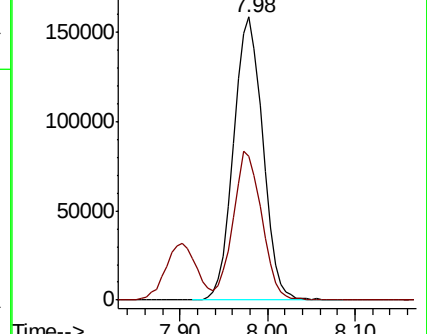
168 100

99 50.5 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 21.098 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065953.D

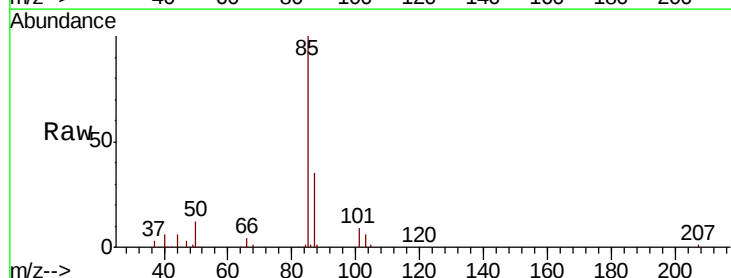
Acq: 16 Jul 2020 13:18

Tgt Ion: 85 Resp: 67656

Ion Ratio Lower Upper

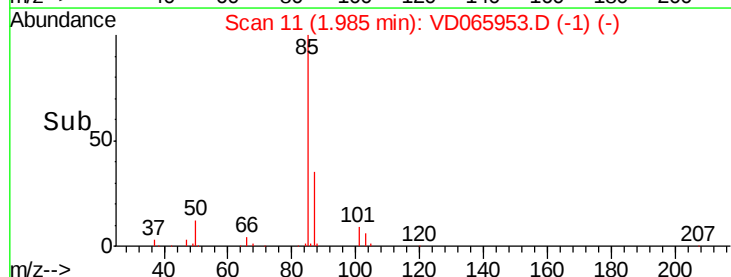
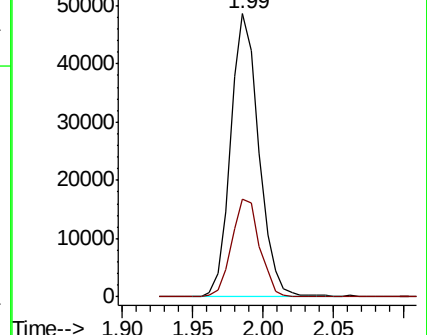
85 100

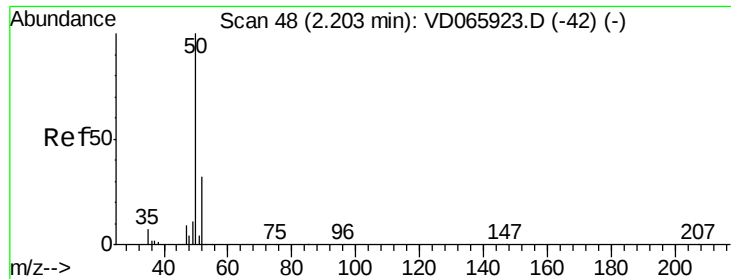
87 34.6 14.9 44.9



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 17.524 ug/l

RT: 2.20 min Scan# 48

Delta R.T. 0.00 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

Instrument :

MSVOA_D

ClientSampleId :

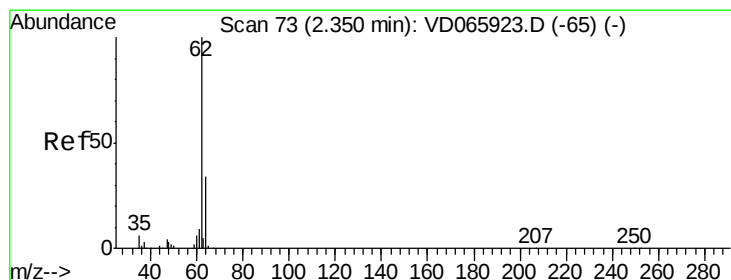
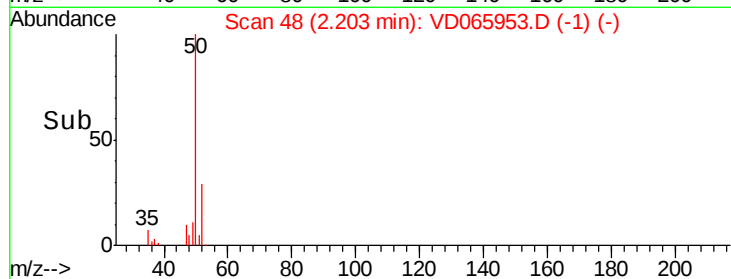
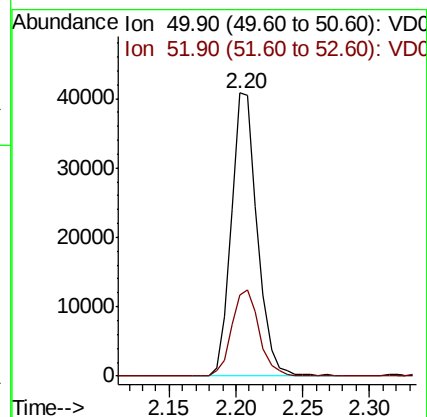
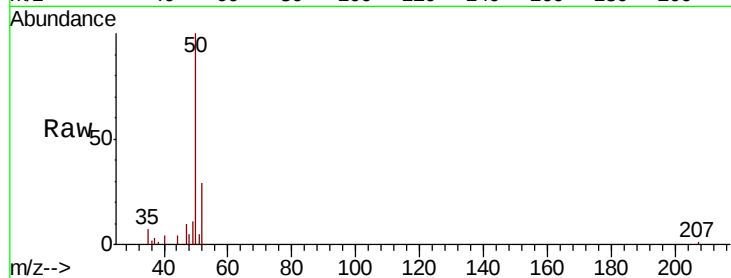
VD0716SBS01

Tot Ion: 50 Resp: 55709

Ion Ratio Lower Upper

50 100

52 28.8 25.6 38.4



#4

Vinyl Chloride

Concen: 17.531 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065953.D

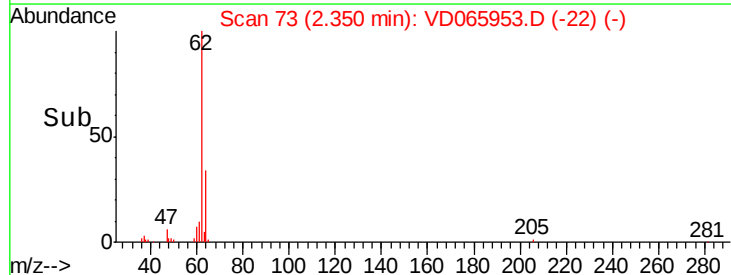
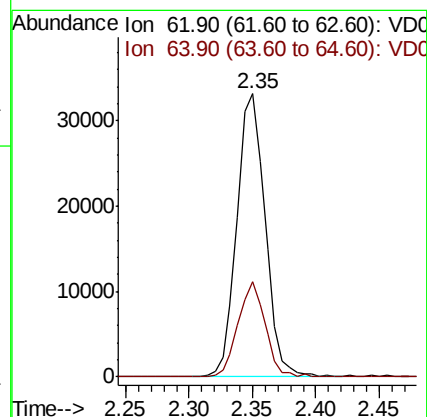
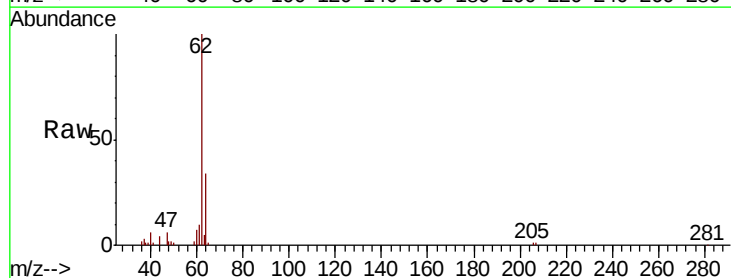
Acq: 16 Jul 2020 13:18

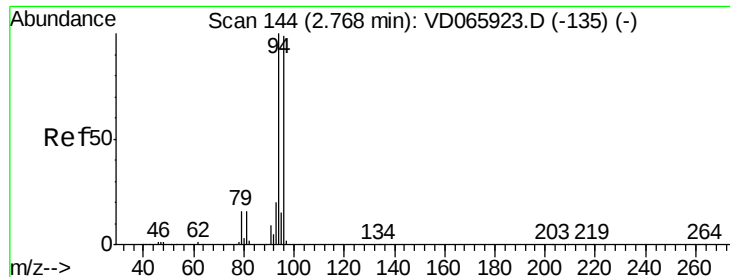
Tgt Ion: 62 Resp: 51172

Ion Ratio Lower Upper

62 100

64 33.5 27.2 40.8





#5

Bromomethane

Concen: 17.467 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

Instrument :

MSVOA_D

ClientSampleId :

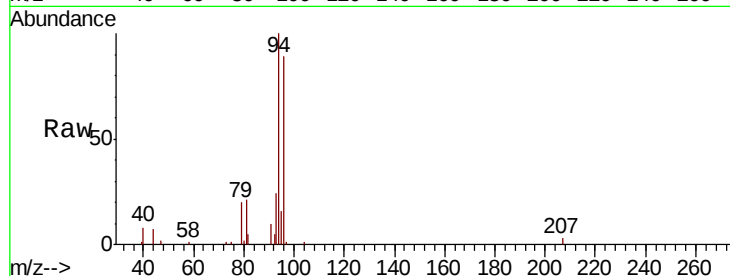
VD0716SBS01

Tot Ion: 94 Resp: 32295

Ion Ratio Lower Upper

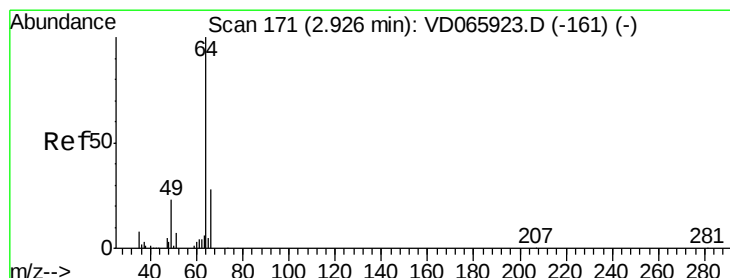
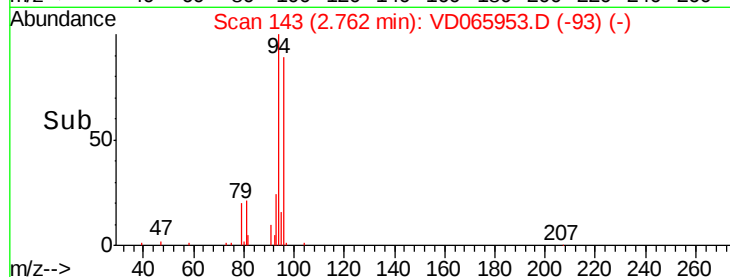
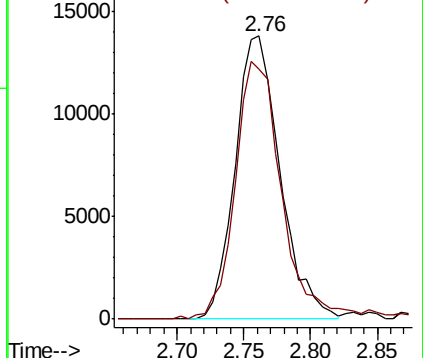
94 100

96 88.6 78.8 118.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 17.767 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065953.D

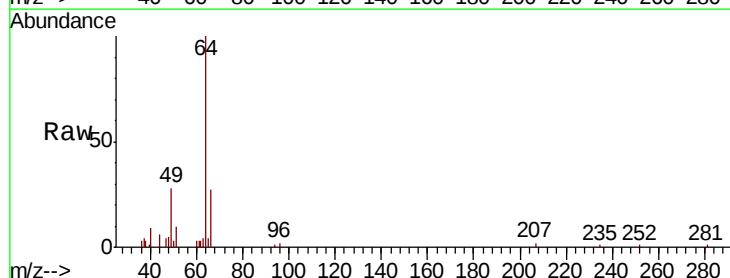
Acq: 16 Jul 2020 13:18

Tgt Ion: 64 Resp: 31000

Ion Ratio Lower Upper

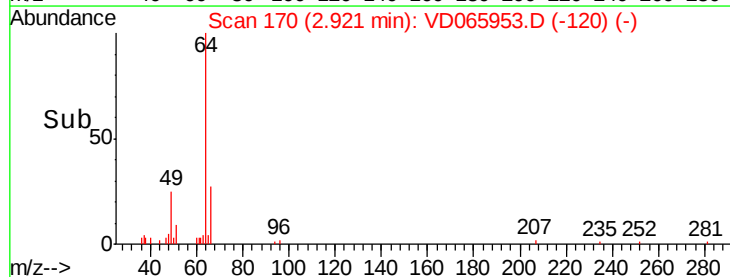
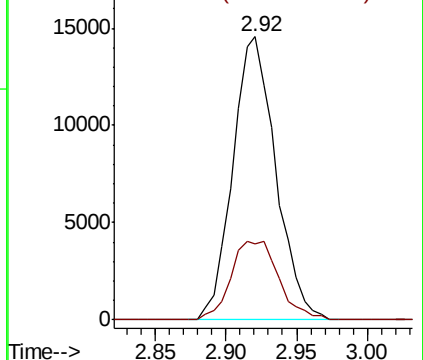
64 100

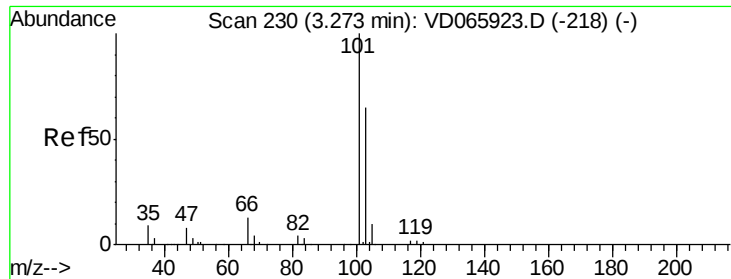
66 26.8 22.6 33.8



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



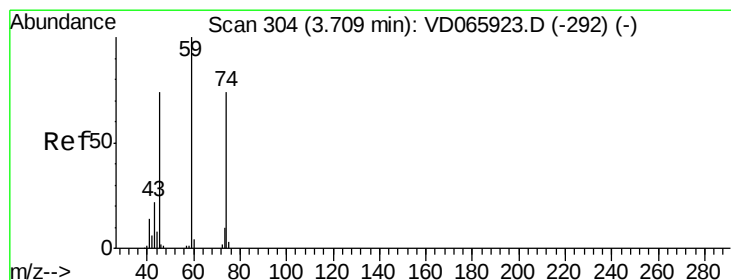
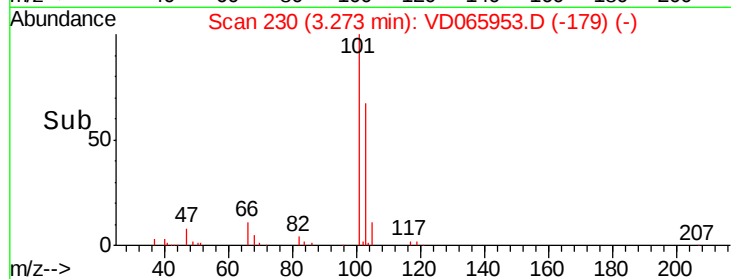
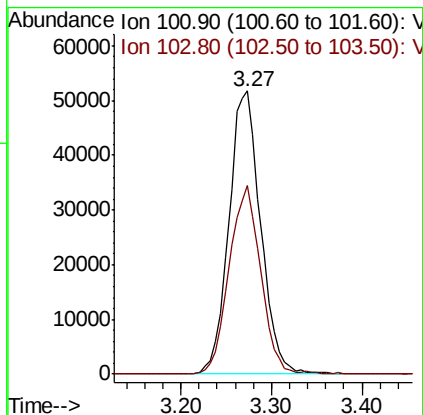
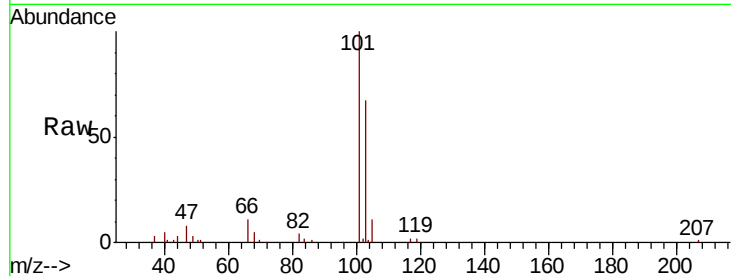


#7

Trichlorofluoromethane
 Concen: 20.087 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065953.D
 Acq: 16 Jul 2020 13:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0716SBS01

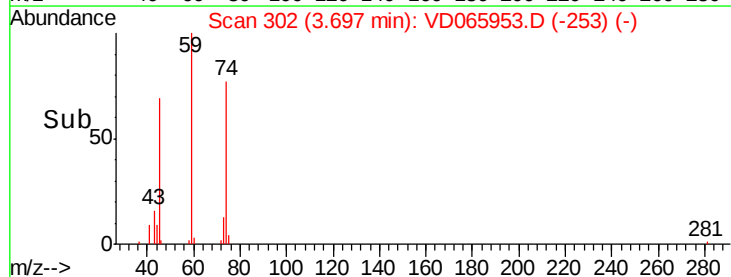
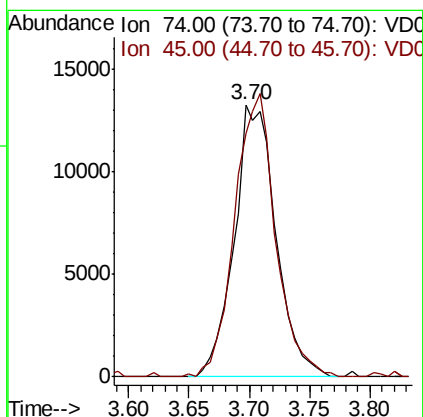
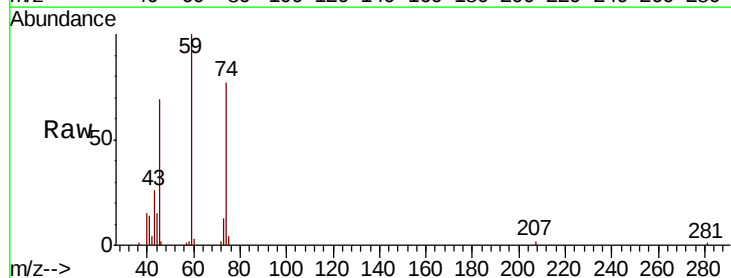
Tot Ion:101 Resp: 125661
 Ion Ratio Lower Upper
 101 100
 103 66.8 51.7 77.5

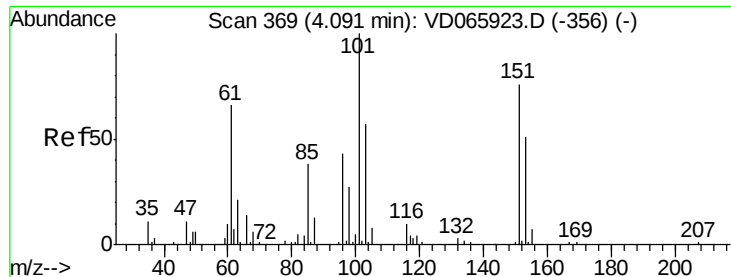


#8

Diethyl Ether
 Concen: 18.650 ug/l
 RT: 3.70 min Scan# 302
 Delta R.T. -0.01 min
 Lab File: VD065953.D
 Acq: 16 Jul 2020 13:18

Tgt Ion: 74 Resp: 32008
 Ion Ratio Lower Upper
 74 100
 45 102.2 51.1 153.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.353 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBS01

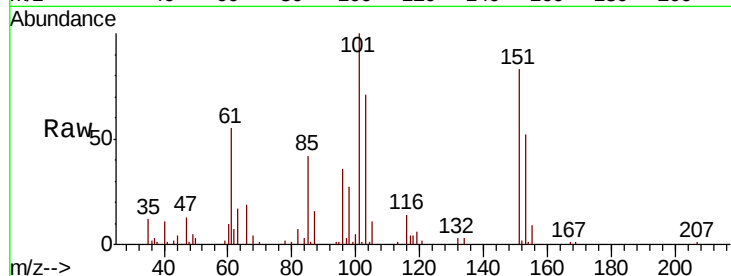
Tot Ion:101 Resp: 76162

Ion Ratio Lower Upper

101 100

85 40.4 33.8 50.8

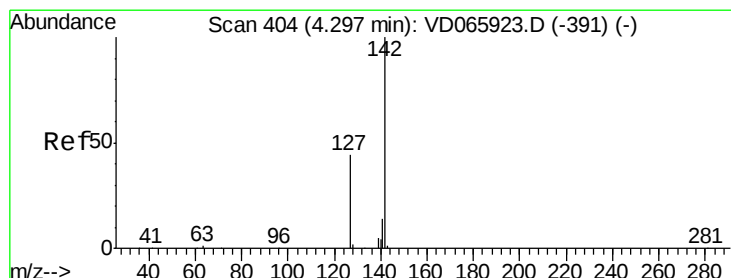
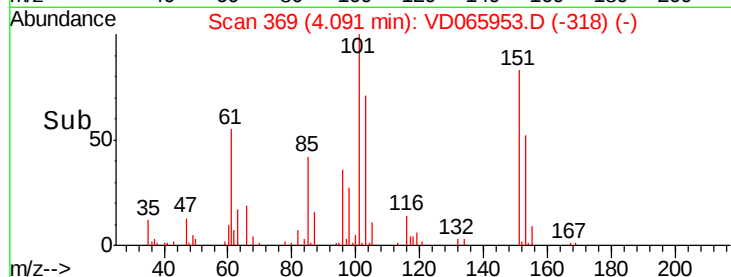
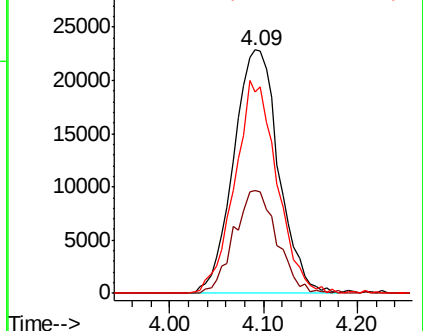
151 81.6 64.1 96.1



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: 19.655 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

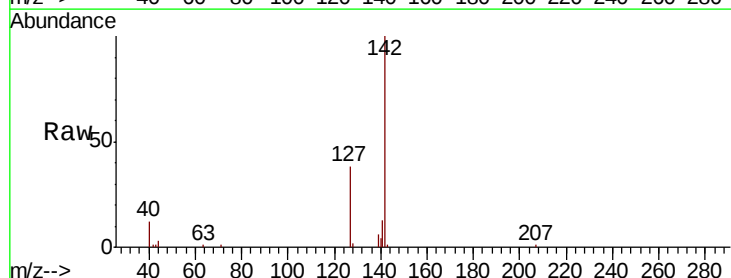
Tgt Ion:142 Resp: 71136

Ion Ratio Lower Upper

142 100

127 43.2 34.6 51.8

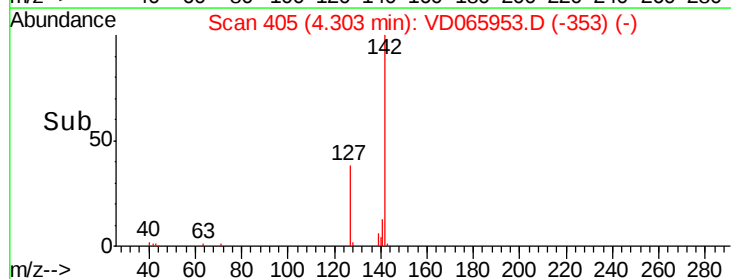
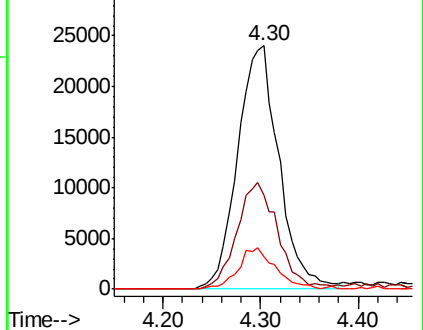
141 15.4 11.6 17.4

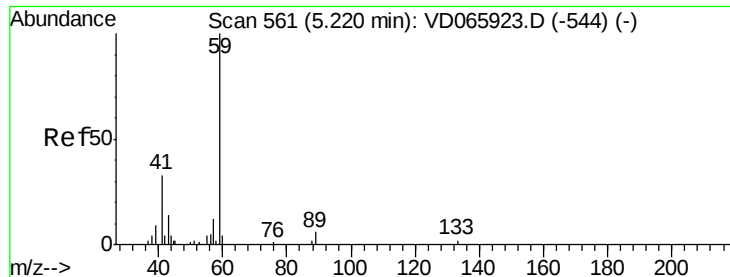


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



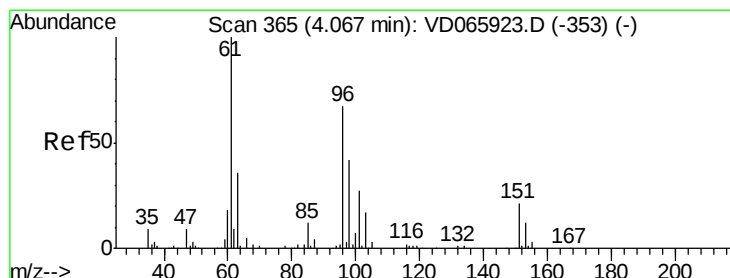
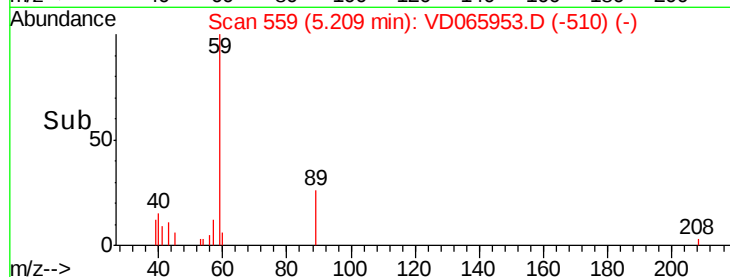
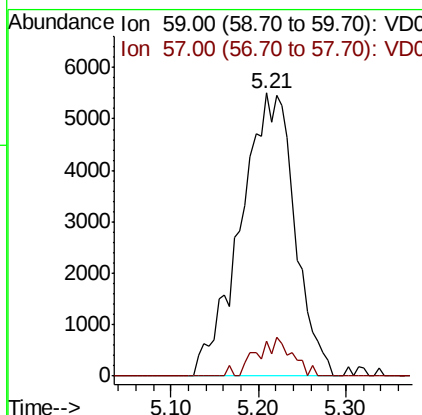
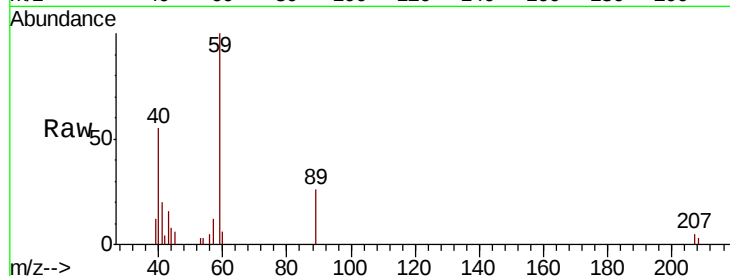


#11

Tert butyl alcohol
 Concen: 102.885 ug/l
 RT: 5.21 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD065953.D
 Acq: 16 Jul 2020 13:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0716SBS01

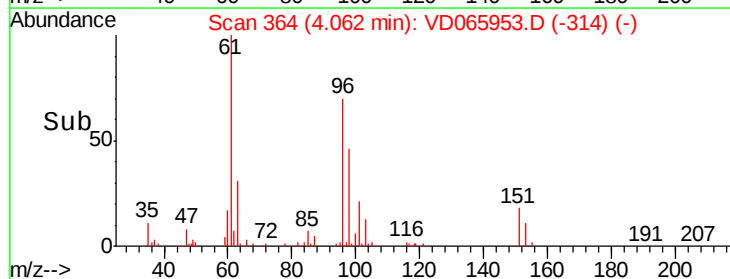
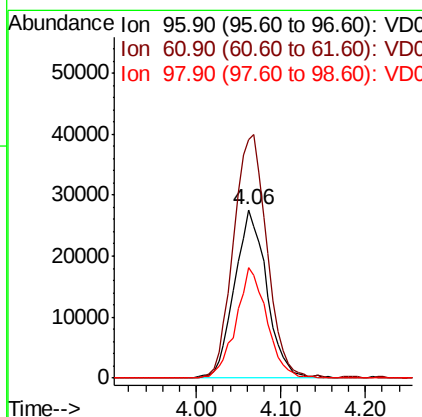
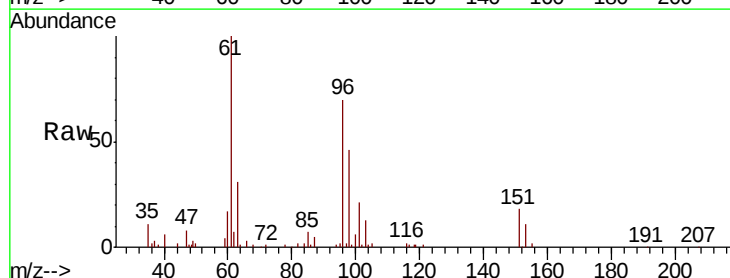
Tot Ion: 59 Resp: 23423
 Ion Ratio Lower Upper
 59 100
 57 8.6 8.7 13.1#

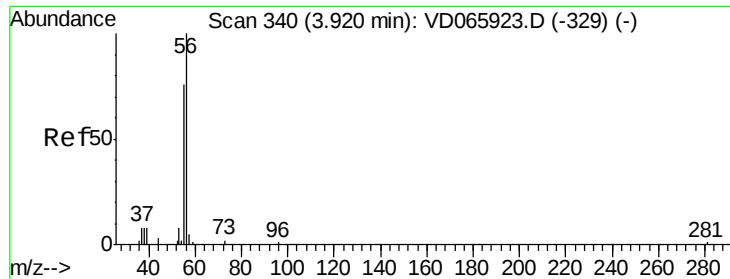


#12

1,1-Dichloroethene
 Concen: 20.846 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VD065953.D
 Acq: 16 Jul 2020 13:18

Tgt Ion: 96 Resp: 72874
 Ion Ratio Lower Upper
 96 100
 61 142.0 120.2 180.2
 98 65.5 50.6 76.0





#13

Acrolein

Concen: 89.621 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

Instrument :

MSVOA_D

ClientSampleId :

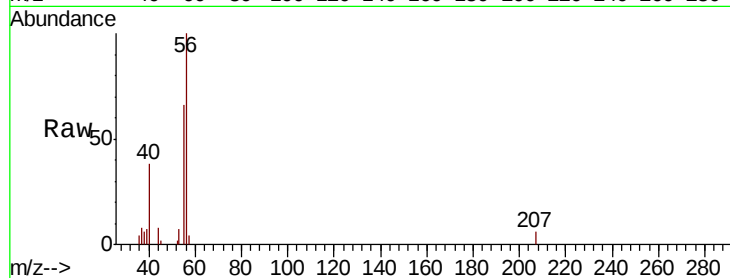
VD0716SBS01

Tot Ion: 56 Resp: 17255

Ion Ratio Lower Upper

56 100

55 71.1 55.0 82.6



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.92

8000

6000

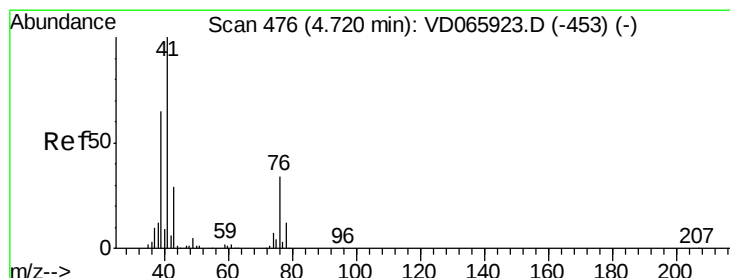
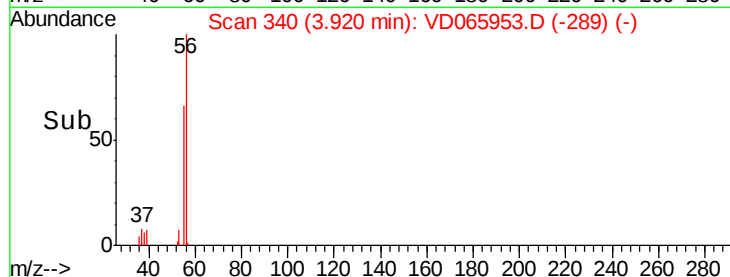
4000

2000

0

3.85 3.90 3.95 4.00

Time-->



#14

Allyl chloride

Concen: 18.445 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

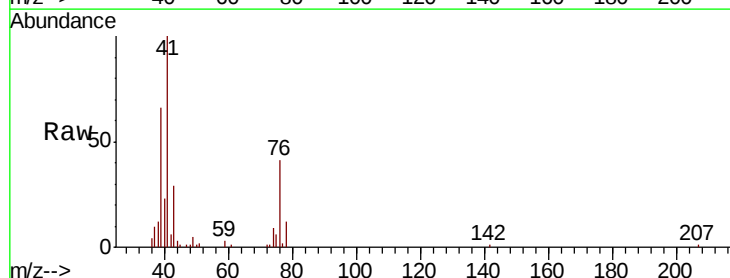
Tgt Ion: 41 Resp: 109274

Ion Ratio Lower Upper

41 100

39 68.0 52.2 78.4

76 36.7 28.1 42.1



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

40000

30000

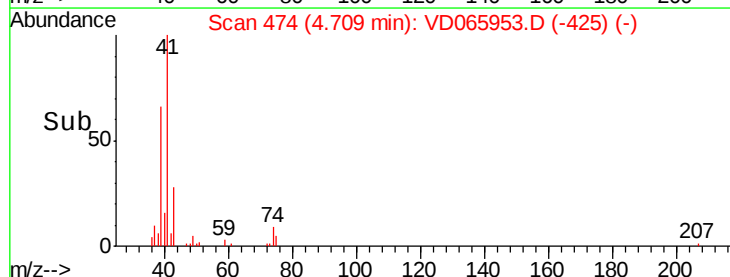
20000

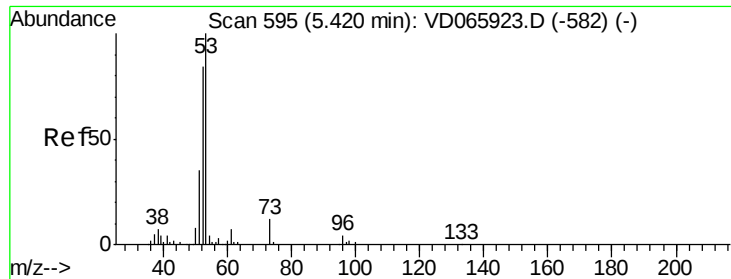
10000

0

4.50 4.60 4.70 4.80

Time-->





#15

Acrylonitrile

Concen: 95.147 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBS01

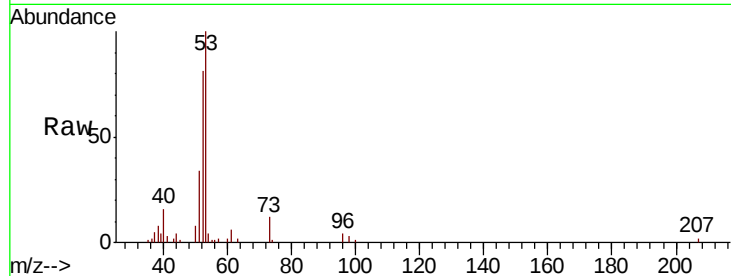
Tot Ion: 53 Resp: 71496

Ion Ratio Lower Upper

53 100

52 81.6 66.3 99.5

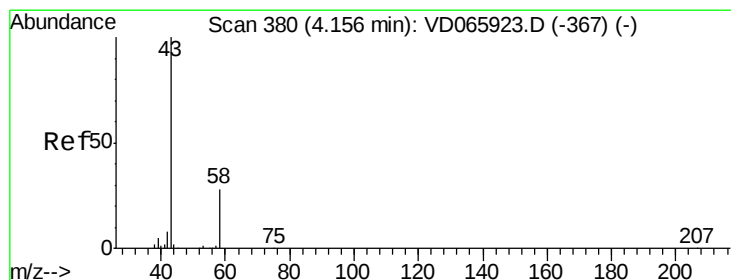
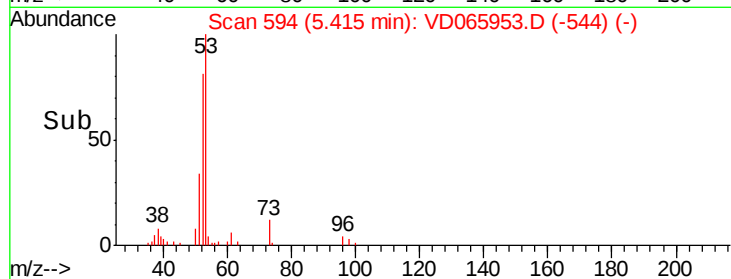
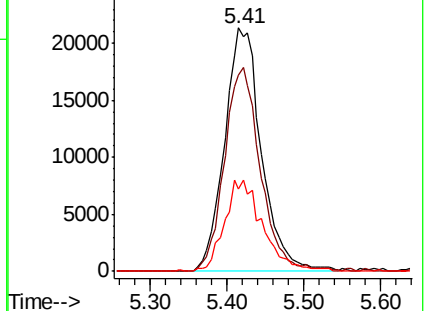
51 38.6 29.8 44.8



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: 100.374 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD065953.D

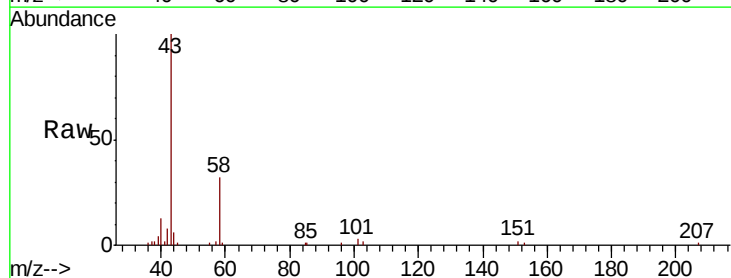
Acq: 16 Jul 2020 13:18

Tgt Ion: 43 Resp: 75199

Ion Ratio Lower Upper

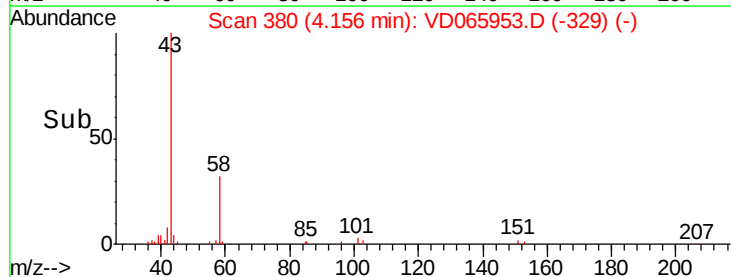
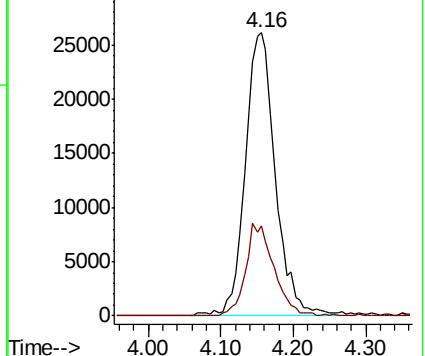
43 100

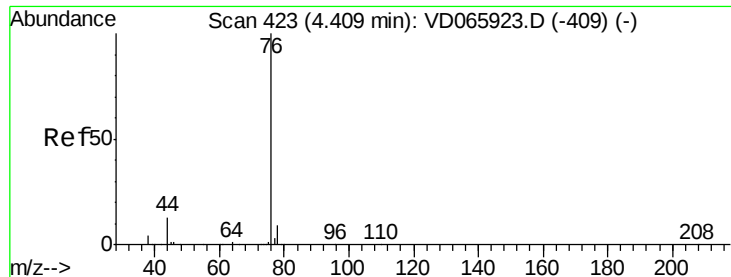
58 31.7 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

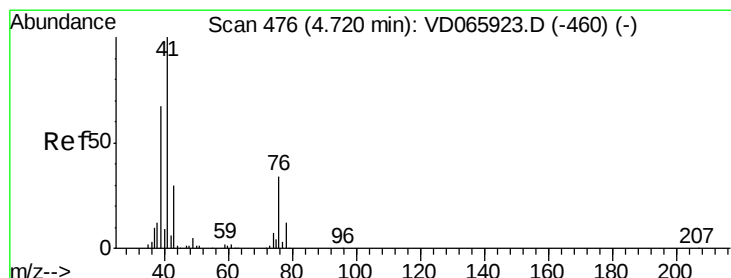
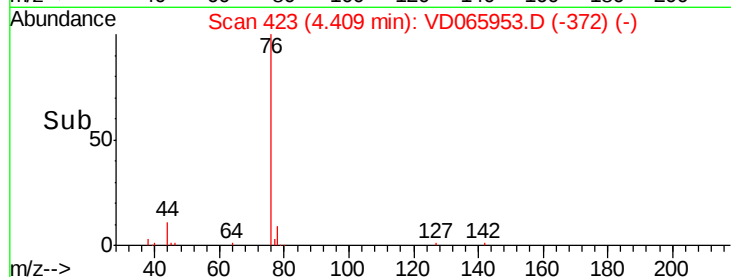
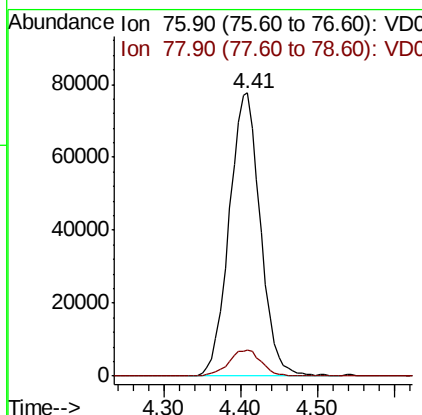
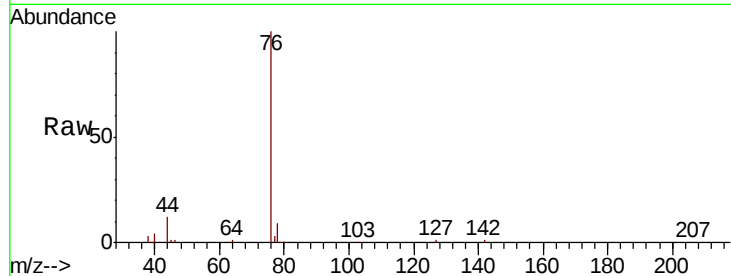




#17
Carbon Disulfide
Concen: 19.695 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD065953.D
Acq: 16 Jul 2020 13:18

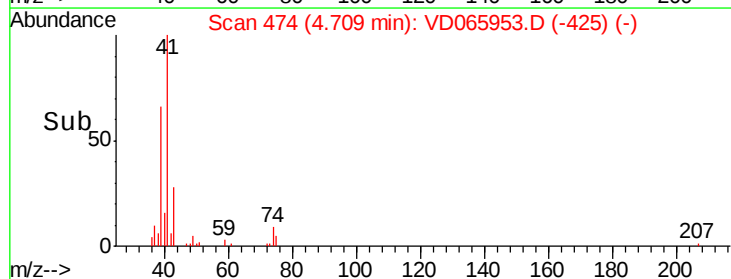
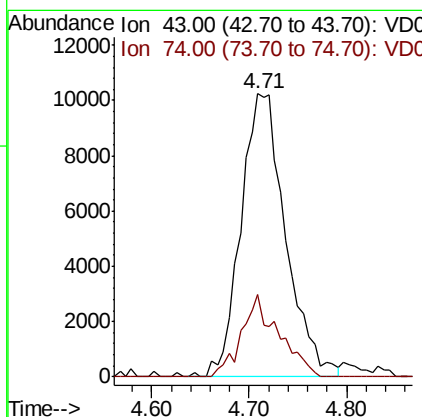
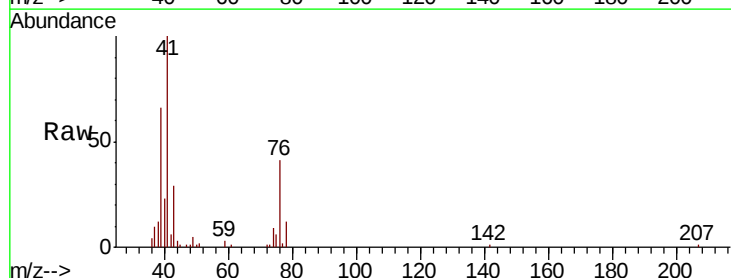
Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS01

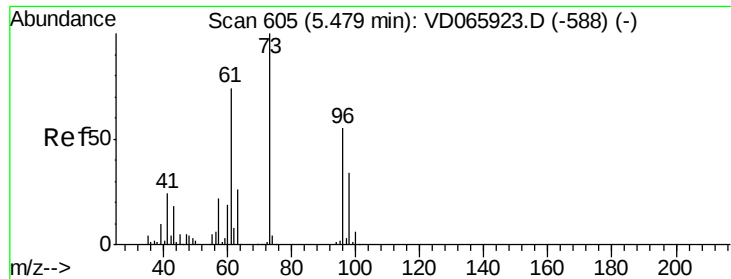
Tot Ion: 76 Resp: 219379
Ion Ratio Lower Upper
76 100
78 9.4 7.5 11.3



#18
Methyl Acetate
Concen: 18.733 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD065953.D
Acq: 16 Jul 2020 13:18

Tgt Ion: 43 Resp: 32898
Ion Ratio Lower Upper
43 100
74 24.2 17.8 26.8

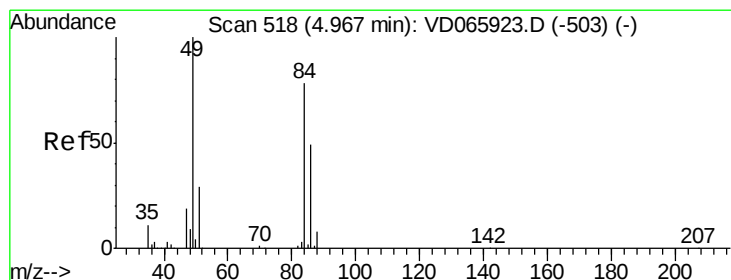
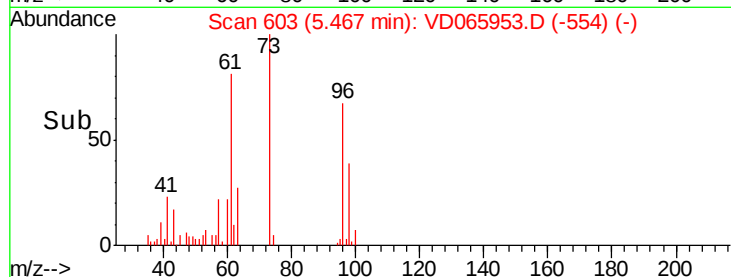
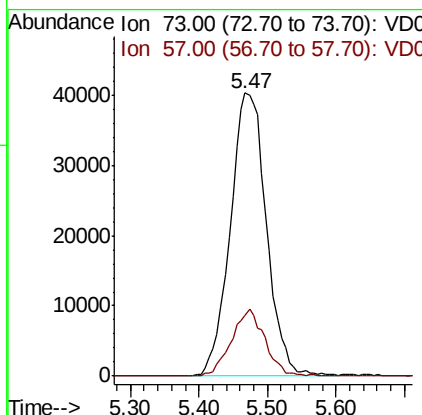
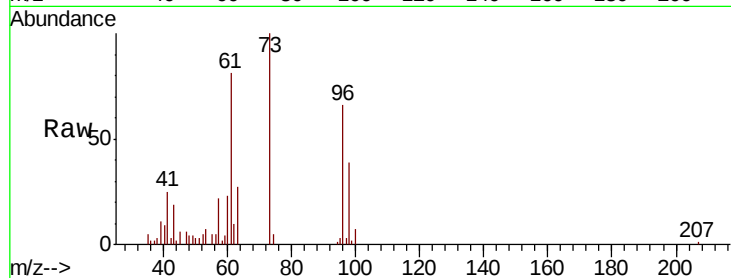




#19
Methyl tert-butyl Ether
Concen: 19.885 ug/l
RT: 5.47 min Scan# 603
Delta R.T. -0.01 min
Lab File: VD065953.D
Acq: 16 Jul 2020 13:18

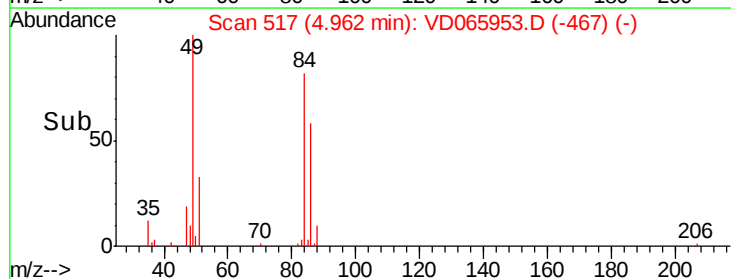
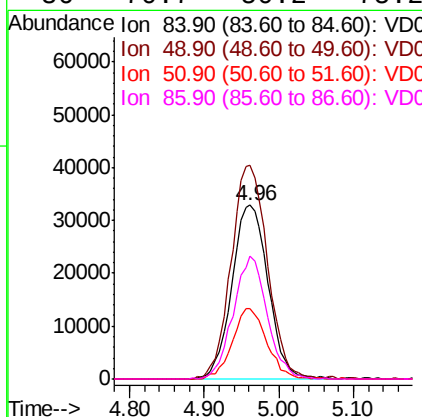
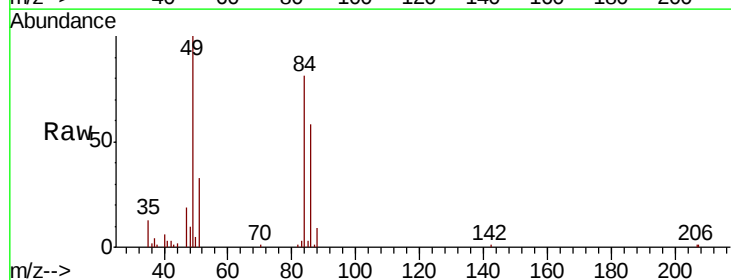
Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS01

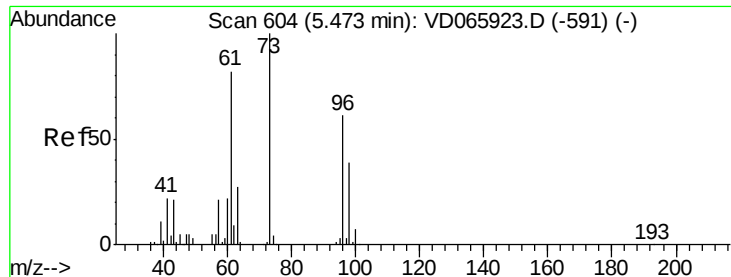
Tot Ion: 73 Resp: 147169
Ion Ratio Lower Upper
73 100
57 21.6 17.7 26.5



#20
Methylene Chloride
Concen: 22.005 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065953.D
Acq: 16 Jul 2020 13:18

Tgt Ion: 84 Resp: 110989
Ion Ratio Lower Upper
84 100
49 122.9 102.2 153.2
51 40.8 29.8 44.6
86 70.7 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 20.060 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBS01

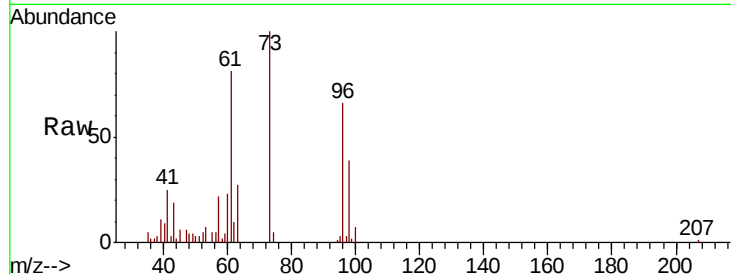
Tot Ion: 96 Resp: 78900

Ion Ratio Lower Upper

96 100

61 121.6 106.6 160.0

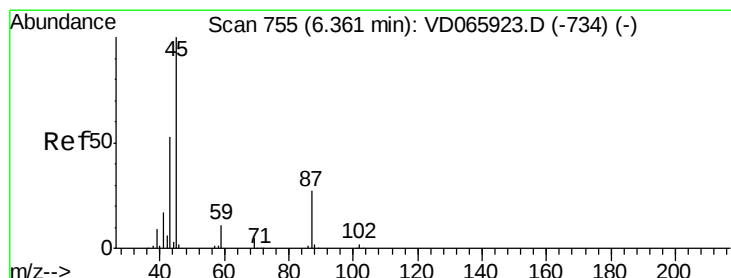
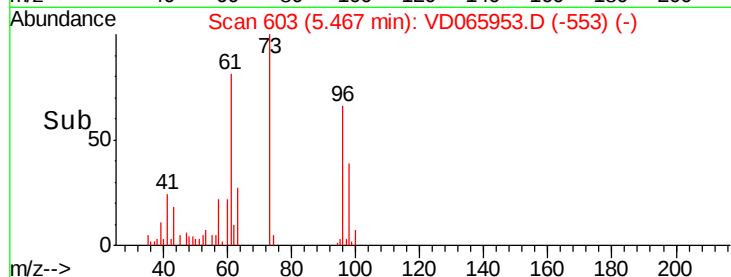
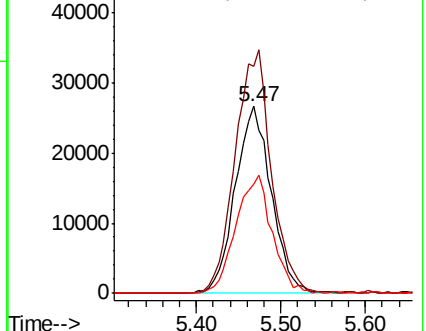
98 58.6 51.0 76.6



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 19.279 ug/l

RT: 6.36 min Scan# 754

Delta R.T. -0.01 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

Tgt Ion: 45 Resp: 214639

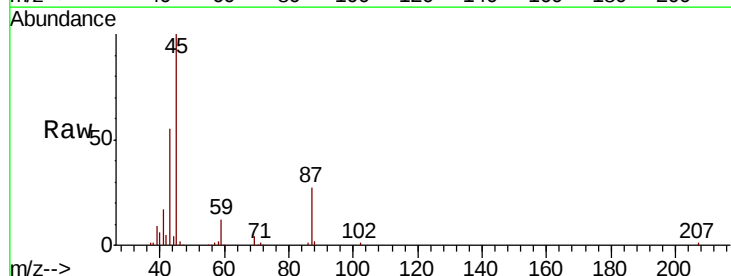
Ion Ratio Lower Upper

45 100

43 53.4 42.5 63.7

87 27.1 22.2 33.2

59 11.8 8.9 13.3

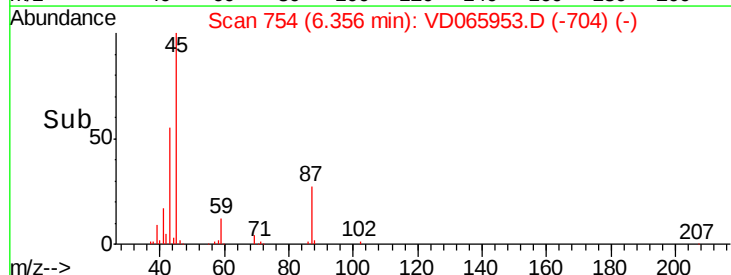
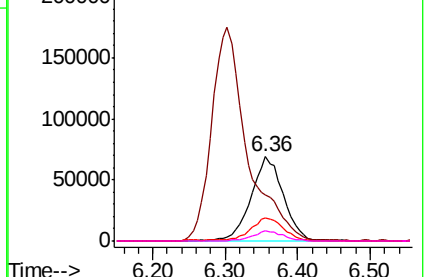


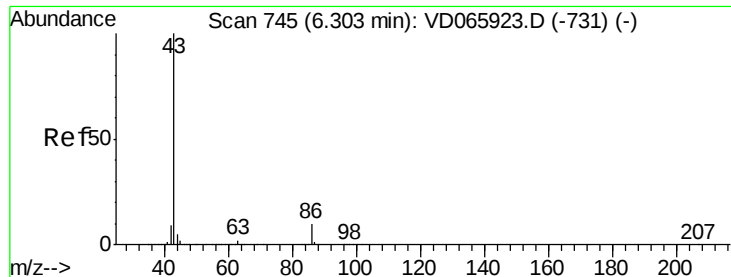
Abundance Ion 45.00 (44.70 to 45.70): VDC

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: 94.551 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

Instrument :

MSVOA_D

ClientSampleId :

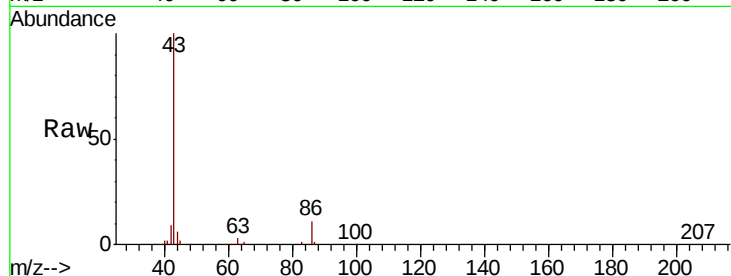
VD0716SBS01

Tot Ion: 43 Resp: 600853

Ion Ratio Lower Upper

43 100

86 10.6 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

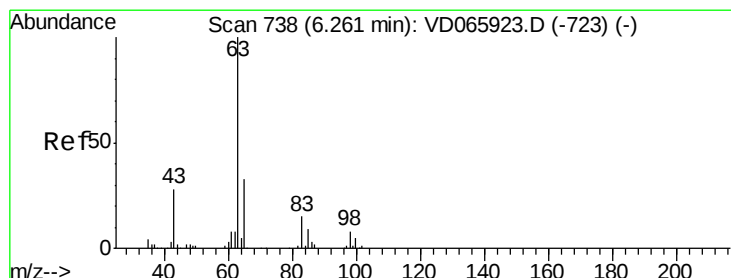
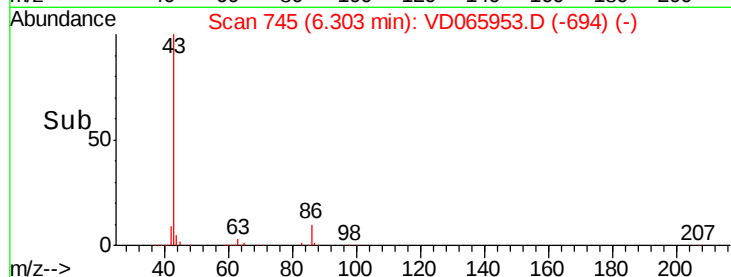
150000

100000

50000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 19.680 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

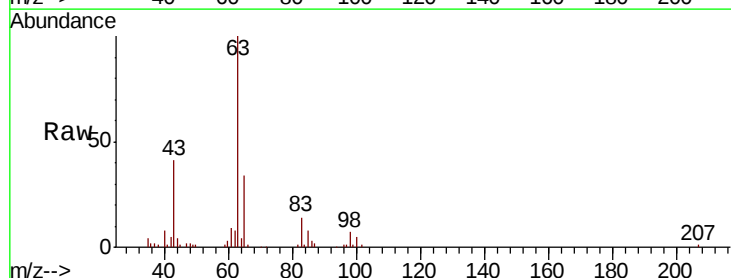
Tgt Ion: 63 Resp: 130647

Ion Ratio Lower Upper

63 100

98 7.2 3.8 11.4

100 5.4 2.5 7.5



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

6.26

50000

40000

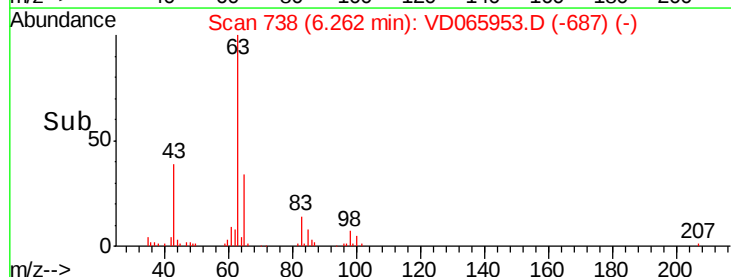
30000

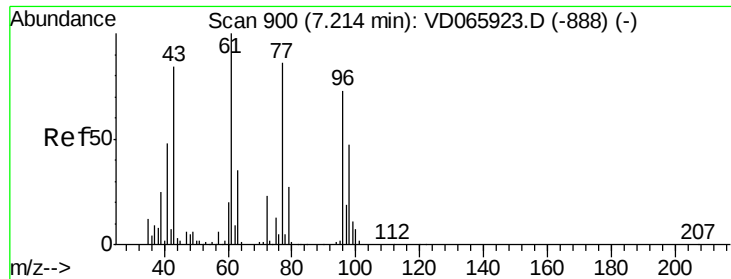
20000

10000

0

Time--> 6.10 6.20 6.30 6.40

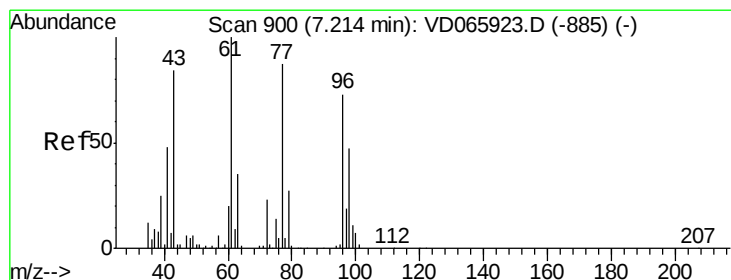
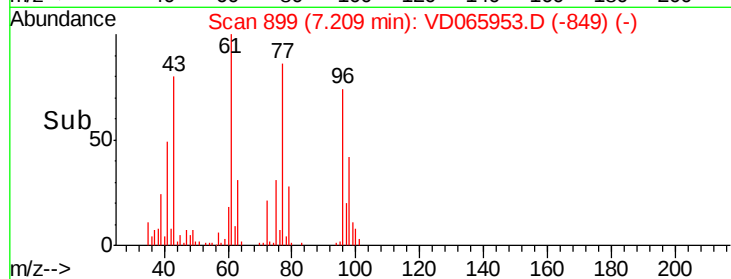
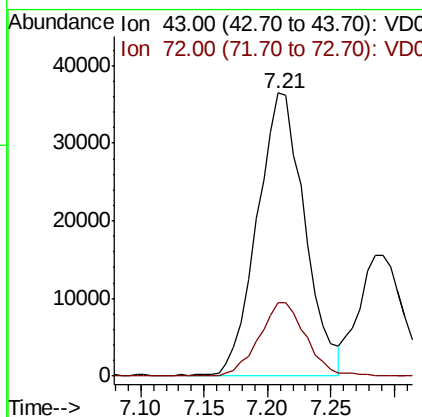
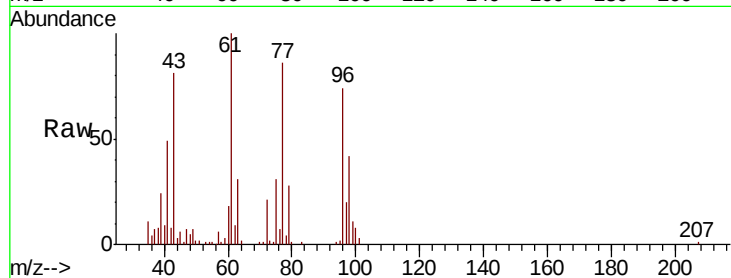




#25
2-Butanone
Concen: 96.247 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065953.D
Acq: 16 Jul 2020 13:18

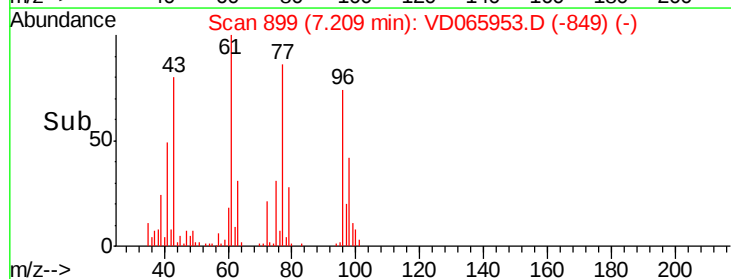
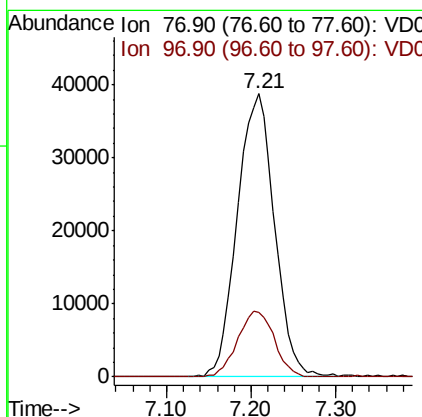
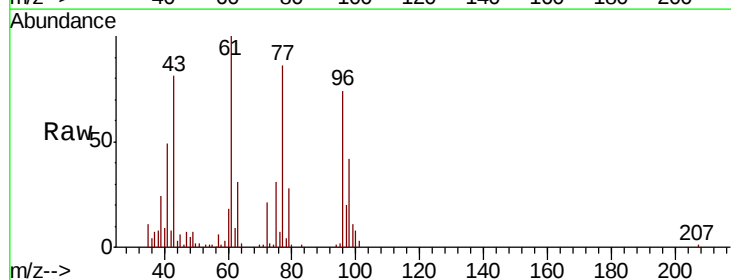
Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS01

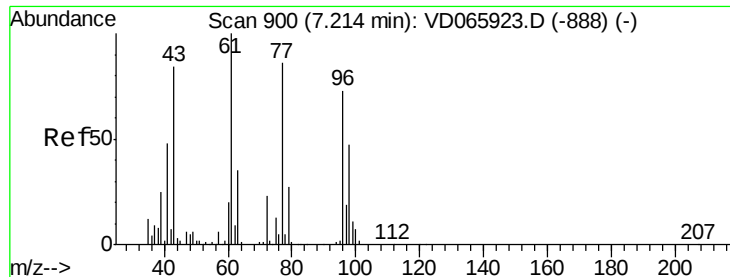
Tot Ion: 43 Resp: 95282
Ion Ratio Lower Upper
43 100
72 25.9 22.1 33.1



#26
2,2-Dichloropropane
Concen: 20.389 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065953.D
Acq: 16 Jul 2020 13:18

Tgt Ion: 77 Resp: 118409
Ion Ratio Lower Upper
77 100
97 22.9 11.6 34.8



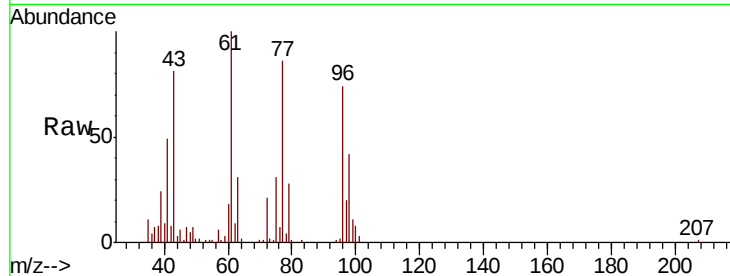


#27

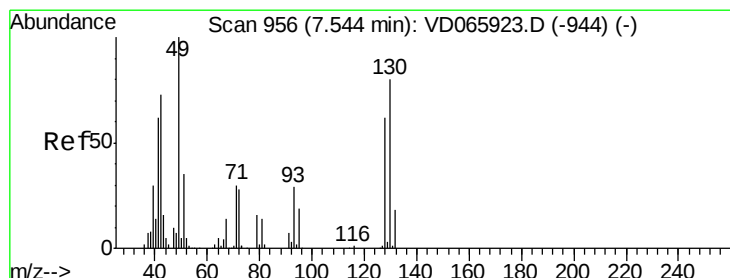
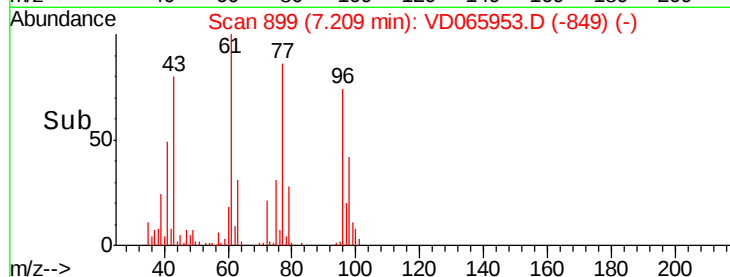
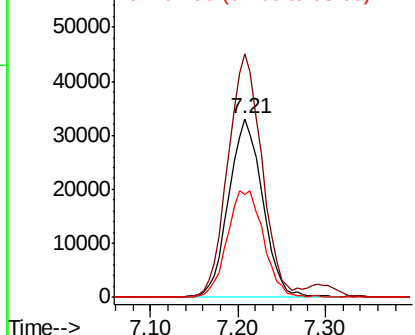
cis-1,2-Dichloroethene
Concen: 20.670 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065953.D
Acq: 16 Jul 2020 13:18

Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS01

Tot Ion: 96 Resp: 87352
Ion Ratio Lower Upper
96 100
61 135.7 0.0 286.6
98 63.6 0.0 128.2



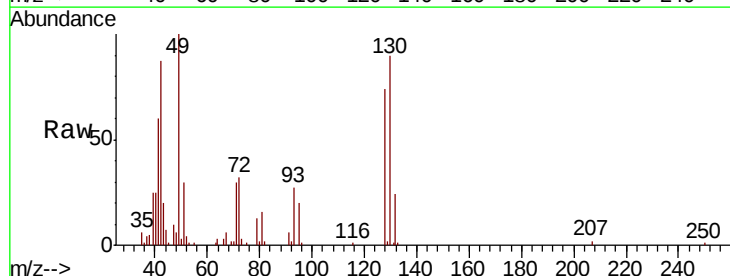
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



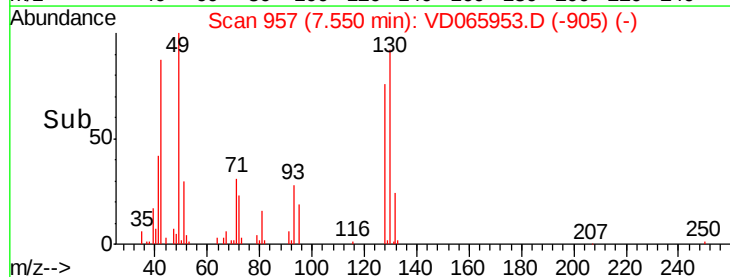
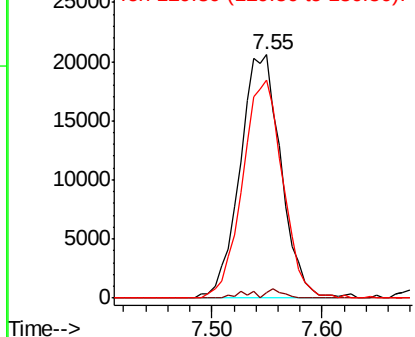
#28

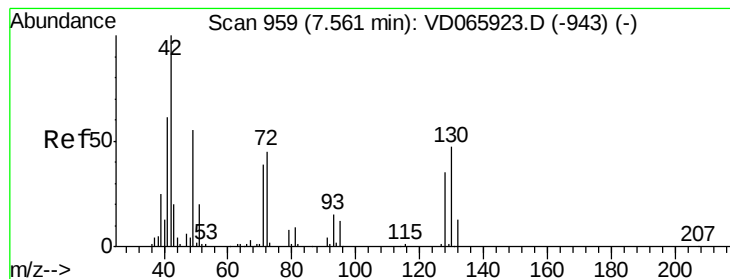
Bromochloromethane
Concen: 21.428 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.01 min
Lab File: VD065953.D
Acq: 16 Jul 2020 13:18

Tgt Ion: 49 Resp: 53737
Ion Ratio Lower Upper
49 100
129 1.5 0.0 4.8
130 87.8 65.8 98.8



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: 92.234 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.00 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBS01

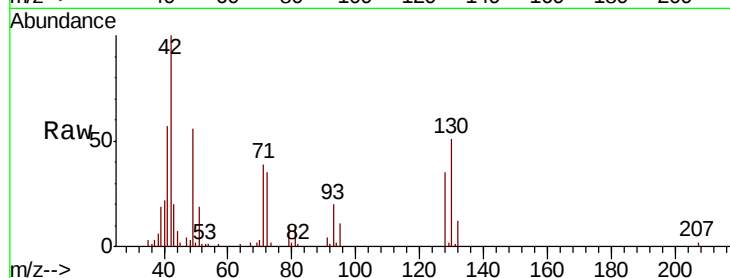
Tot Ion: 42 Resp: 58062

Ion Ratio Lower Upper

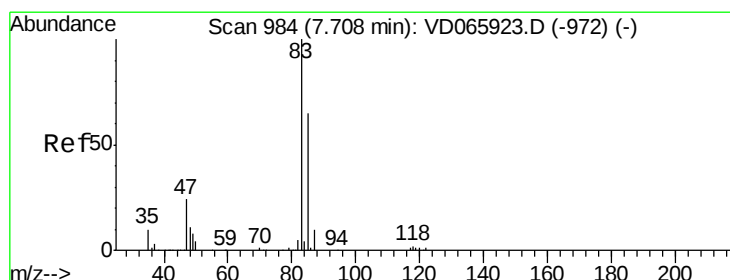
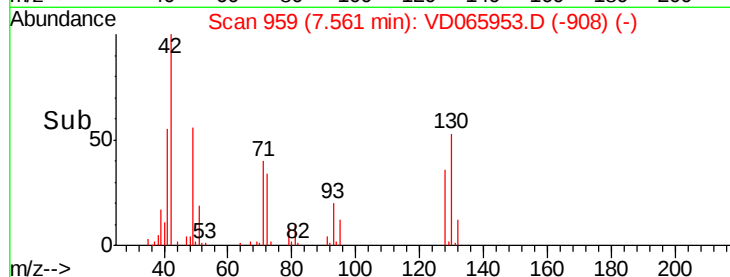
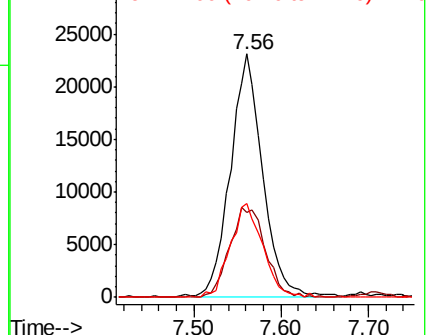
42 100

72 40.4 32.8 49.2

71 38.5 31.0 46.4



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: 19.762 ug/l

RT: 7.71 min Scan# 984

Delta R.T. 0.00 min

Lab File: VD065953.D

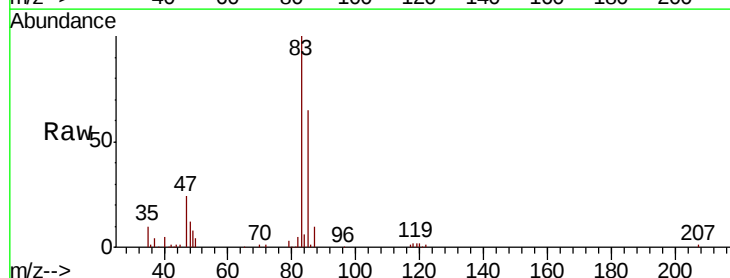
Acq: 16 Jul 2020 13:18

Tgt Ion: 83 Resp: 133000

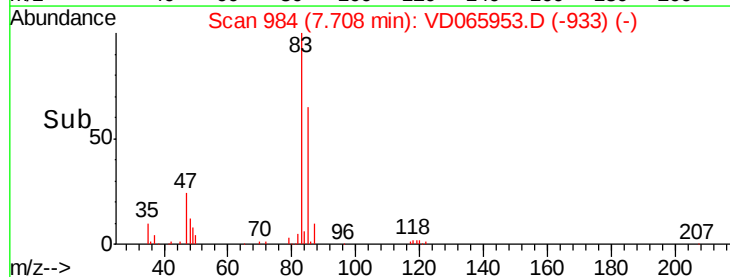
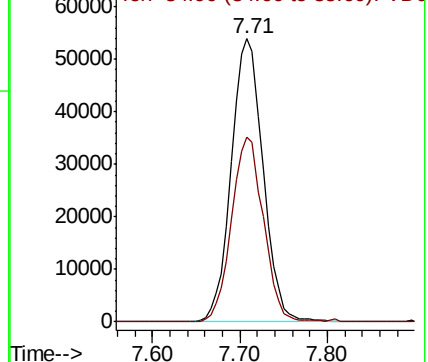
Ion Ratio Lower Upper

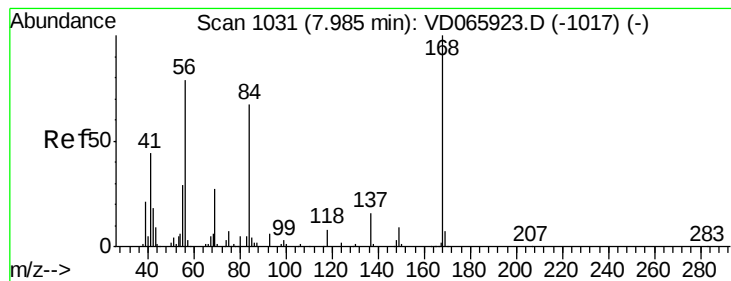
83 100

85 65.3 51.6 77.4



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





#31

Cyclohexane

Concen: 19.191 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBS01

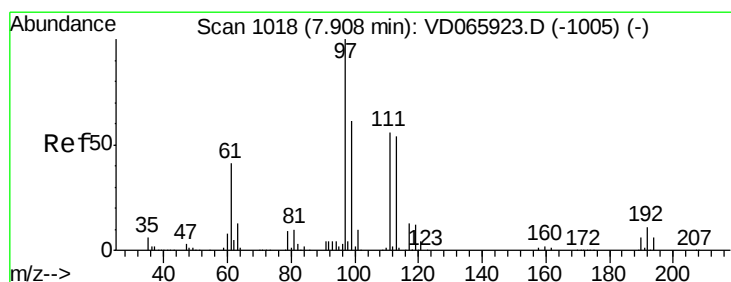
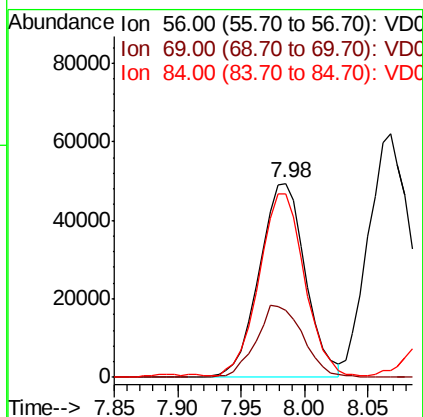
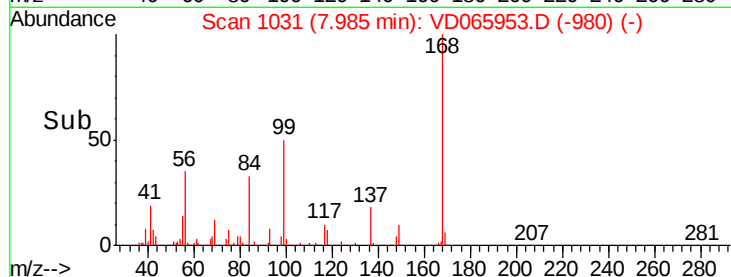
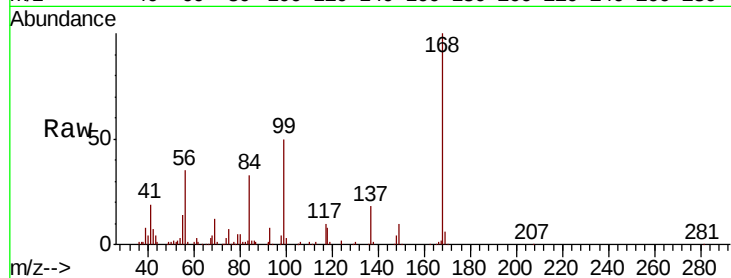
Tot Ion: 56 Resp: 125349

Ion Ratio Lower Upper

56 100

69 34.6 27.4 41.0

84 92.5 68.6 102.8



#32

1,1,1-Trichloroethane

Concen: 19.979 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

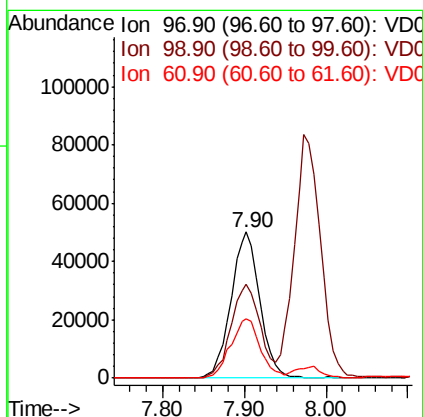
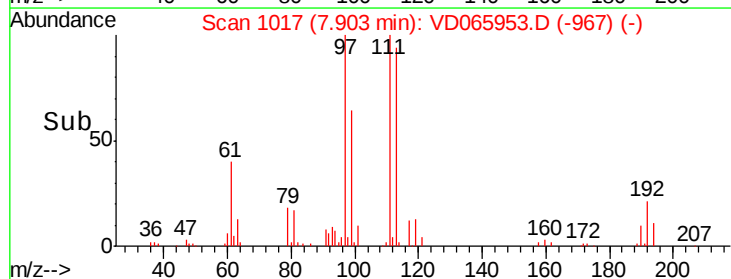
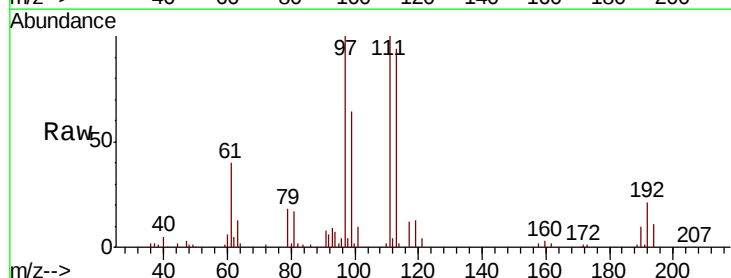
Tgt Ion: 97 Resp: 122709

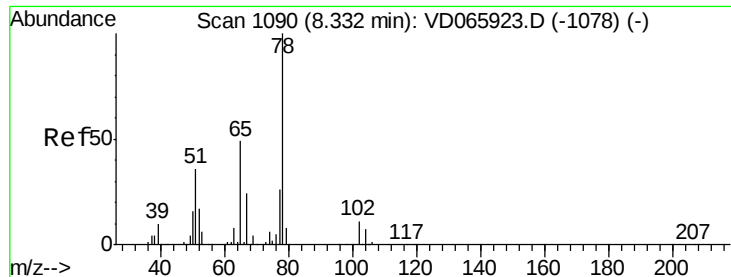
Ion Ratio Lower Upper

97 100

99 65.2 51.6 77.4

61 41.9 33.6 50.4

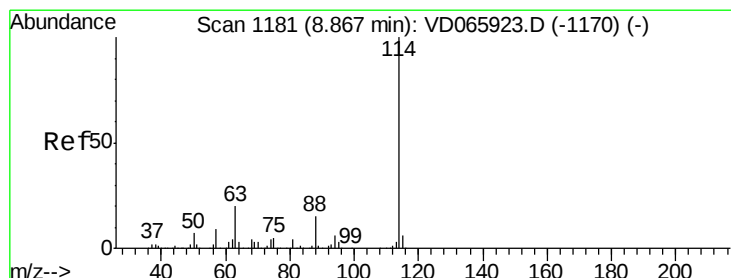
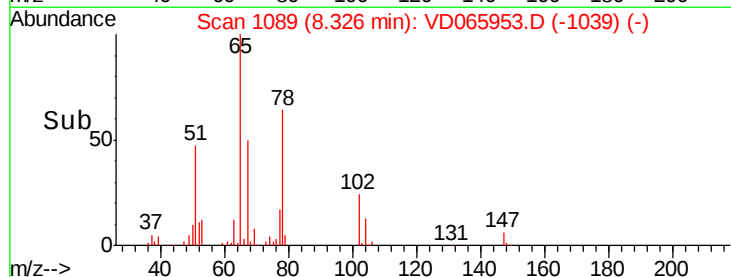
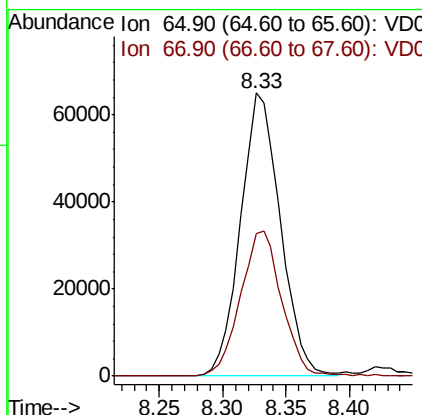
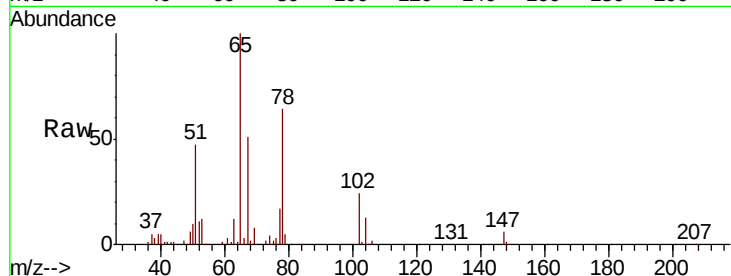




#33
 1,2-Dichloroethane-d4
 Concen: 44.522 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD065953.D
 Acq: 16 Jul 2020 13:18

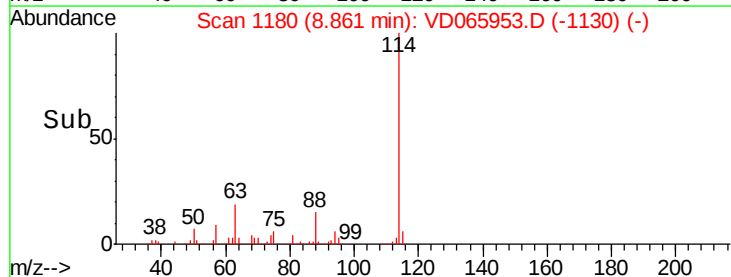
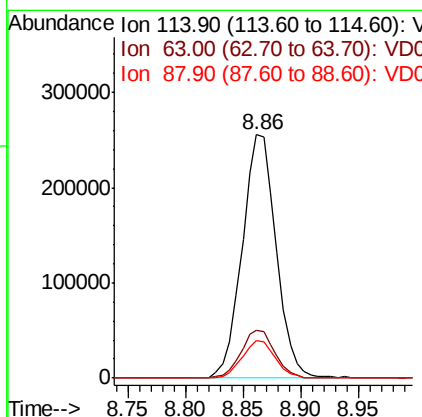
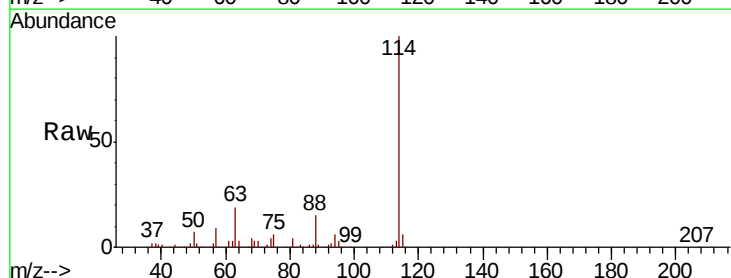
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0716SBS01

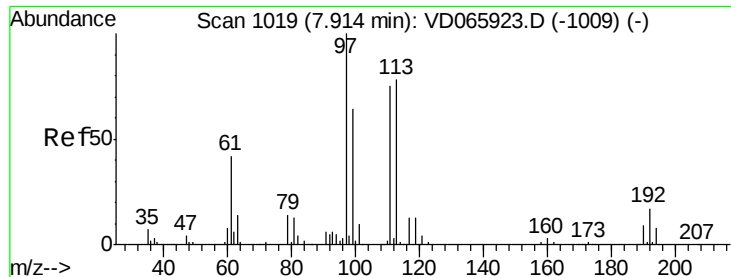
Tot Ion: 65 Resp: 142325
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VD065953.D
 Acq: 16 Jul 2020 13:18

Tgt Ion: 114 Resp: 522201
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.2
 88 15.4 0.0 30.0

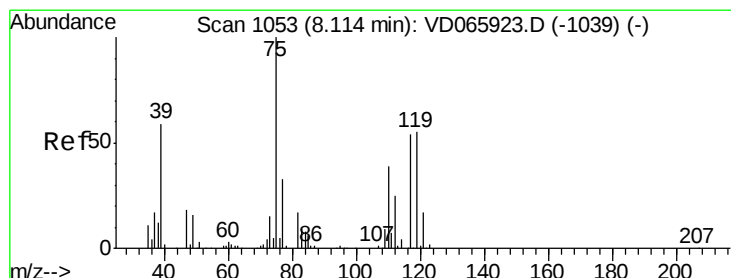
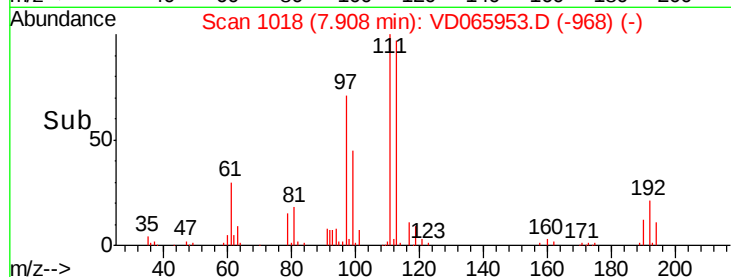
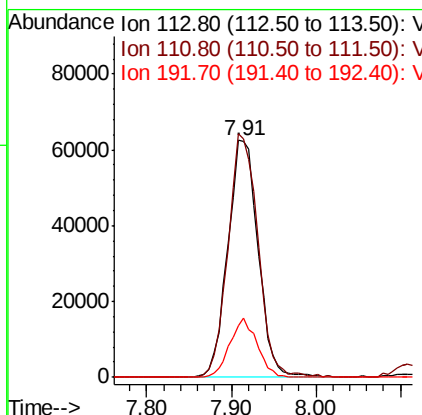
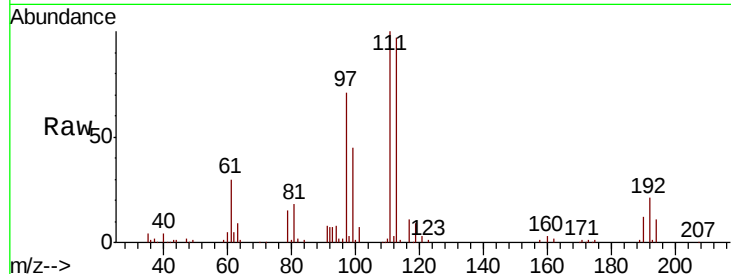




#35
 Dibromofluoromethane
 Concen: 47.965 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: VD065953.D
 Acq: 16 Jul 2020 13:18

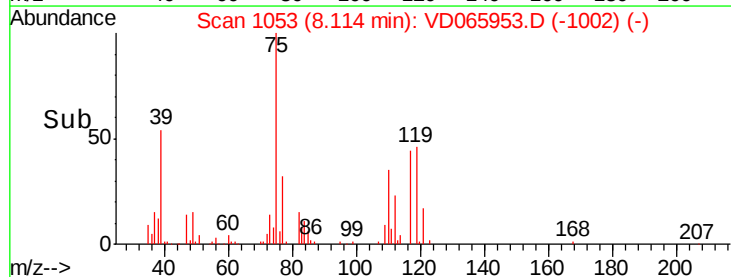
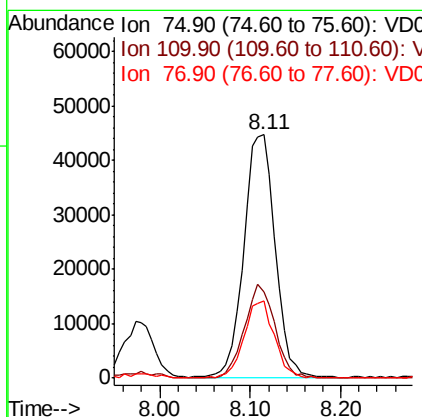
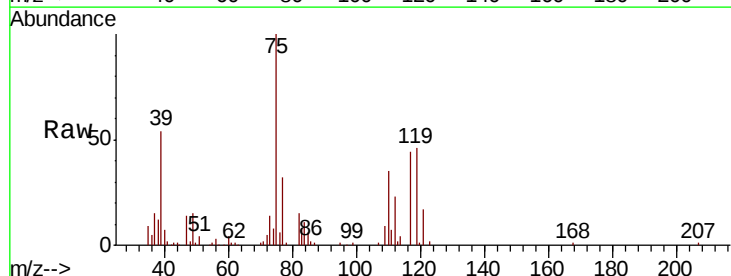
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0716SBS01

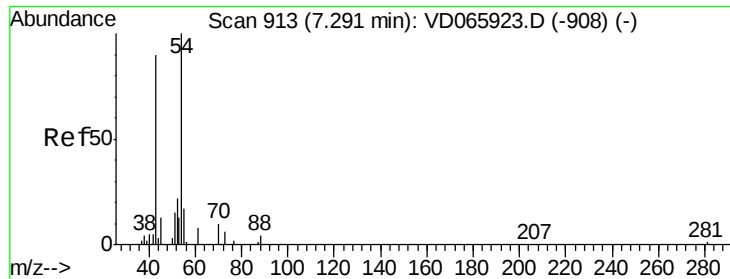
Tot Ion:113 Resp: 154514
 Ion Ratio Lower Upper
 113 100
 111 101.4 80.9 121.3
 192 22.5 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 20.945 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065953.D
 Acq: 16 Jul 2020 13:18

Tgt Ion: 75 Resp: 108026
 Ion Ratio Lower Upper
 75 100
 110 37.0 18.5 55.5
 77 30.5 25.6 38.4

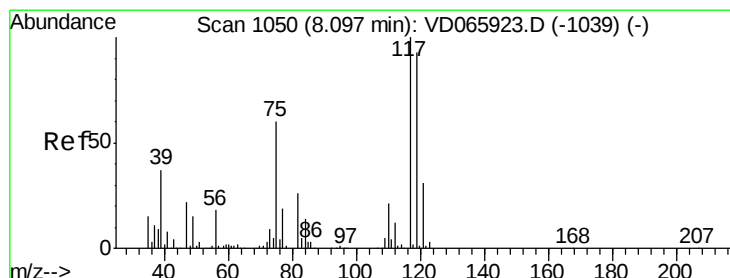
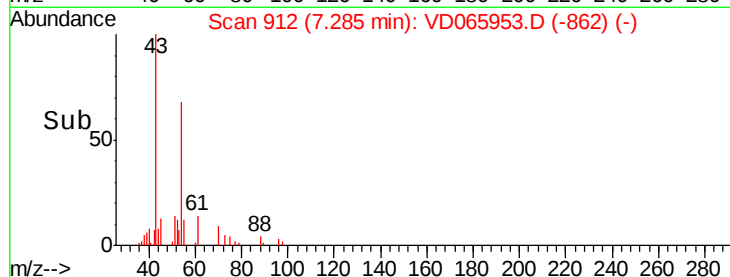
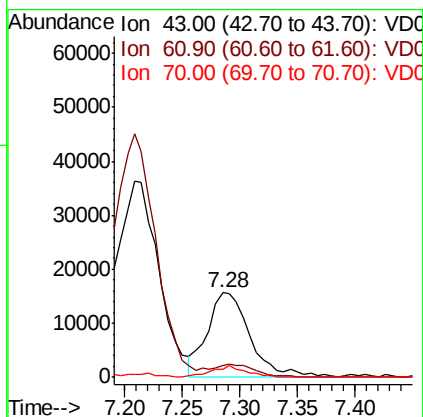
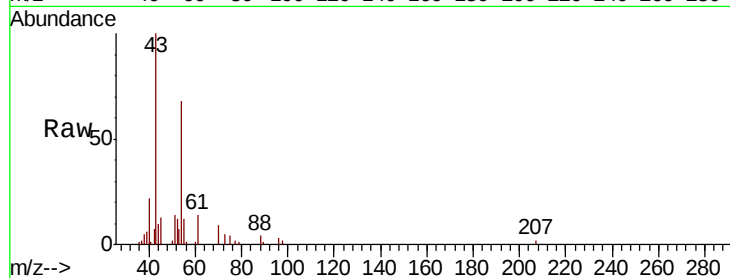




#37
Ethyl Acetate
Concen: 18.380 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD065953.D
Acq: 16 Jul 2020 13:18

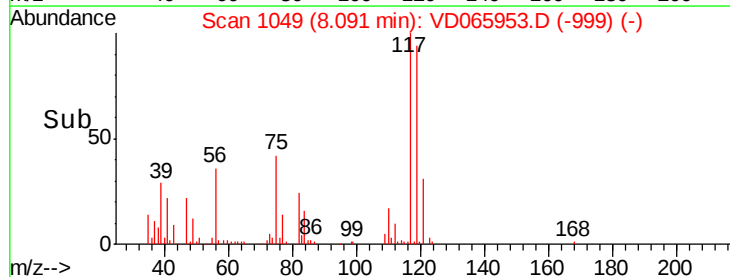
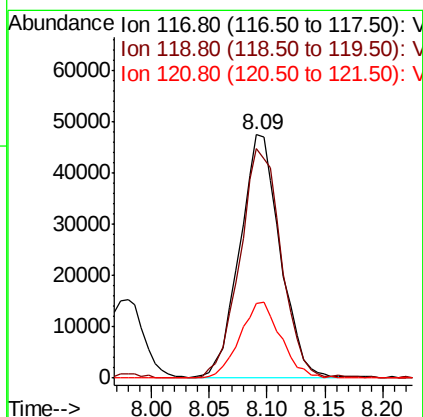
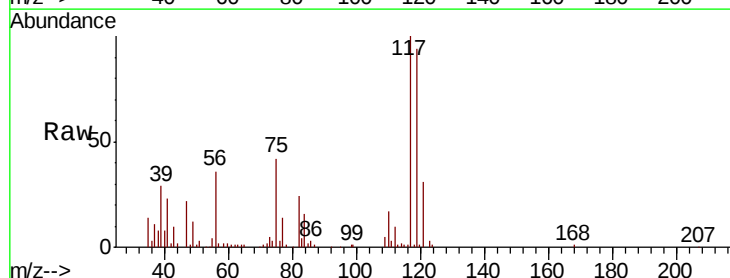
Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS01

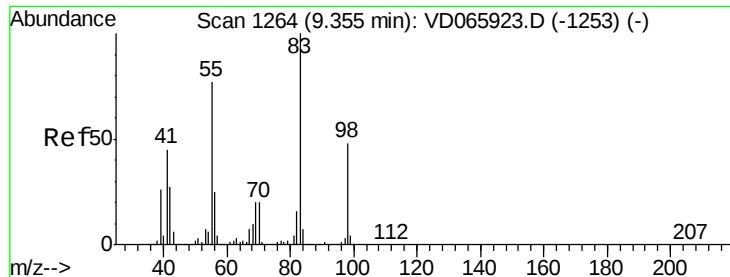
Tot Ion: 43 Resp: 39720
Ion Ratio Lower Upper
43 100
61 14.3 9.4 14.0#
70 11.3 8.3 12.5



#38
Carbon Tetrachloride
Concen: 21.014 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD065953.D
Acq: 16 Jul 2020 13:18

Tgt Ion: 117 Resp: 116167
Ion Ratio Lower Upper
117 100
119 94.5 74.7 112.1
121 30.5 24.9 37.3

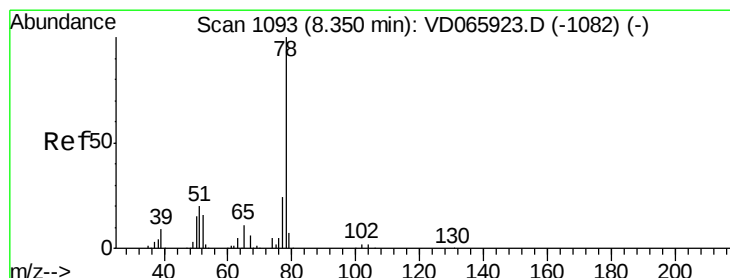
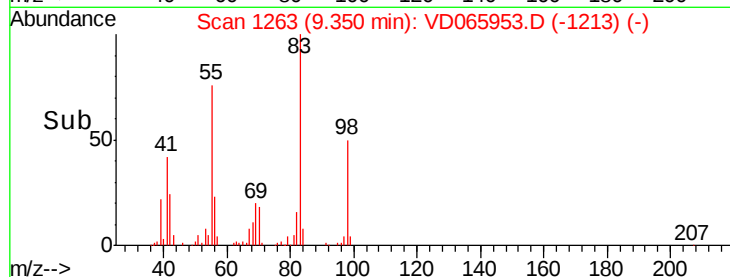
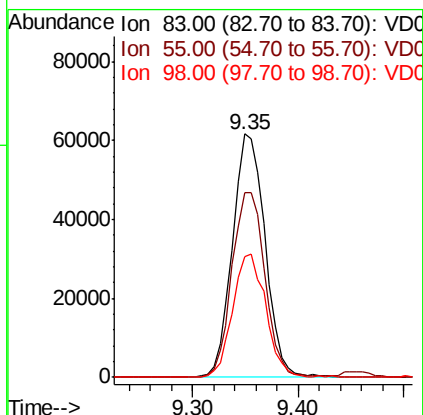
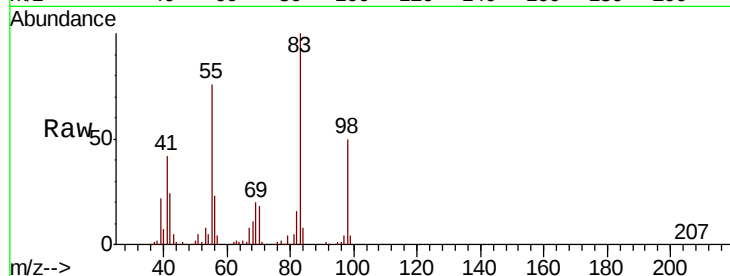




#39
Methvlcvclohexane
Concen: 20.849 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD065953.D
Acq: 16 Jul 2020 13:18

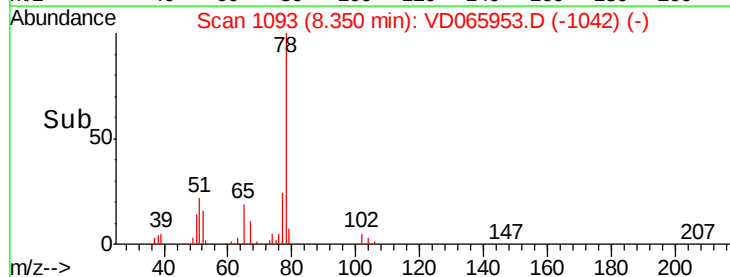
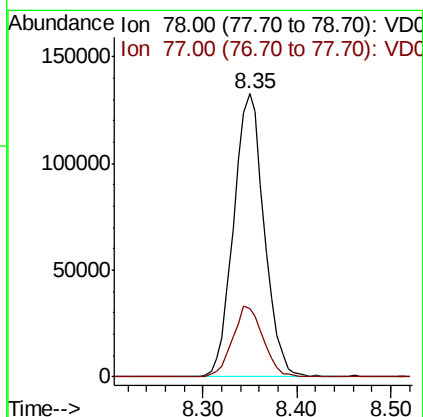
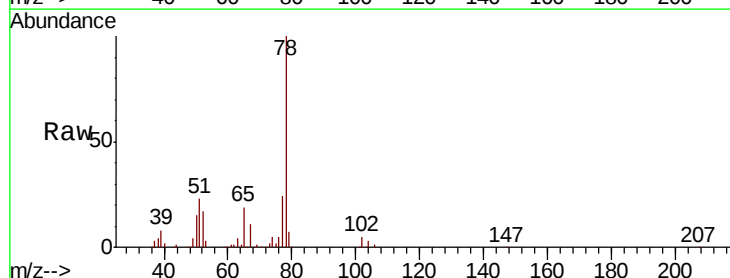
Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS01

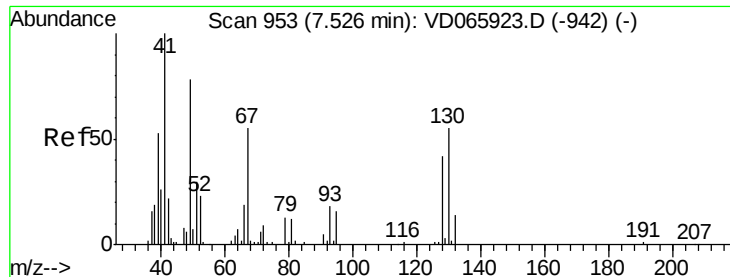
Tot Ion: 83 Resp: 132014
Ion Ratio Lower Upper
83 100
55 75.9 61.7 92.5
98 49.5 38.6 58.0



#40
Benzene
Concen: 21.070 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD065953.D
Acq: 16 Jul 2020 13:18

Tgt Ion: 78 Resp: 300205
Ion Ratio Lower Upper
78 100
77 24.2 19.4 29.0

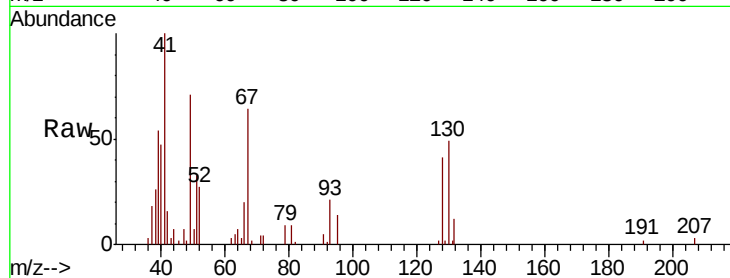




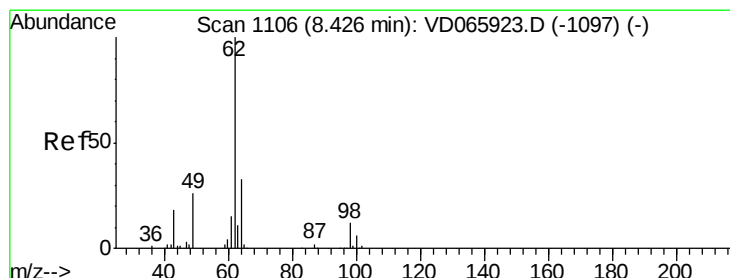
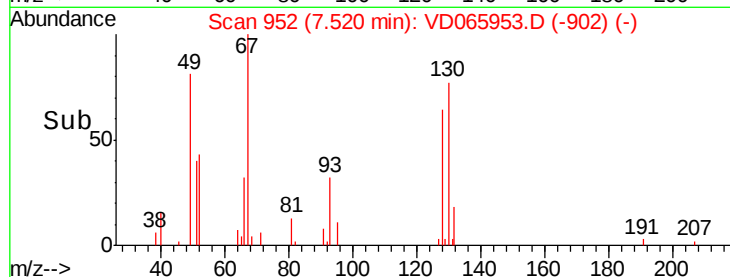
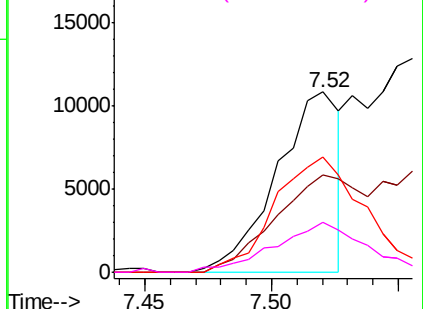
#41
Methacrylonitrile
Concen: 15.042 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD065953.D
Acq: 16 Jul 2020 13:18

Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS01

Tot Ion: 41 Resp: 18872
Ion Ratio Lower Upper
41 100
39 73.6 42.4 63.6#
67 90.3 53.6 80.4#
52 39.6 22.2 33.2#

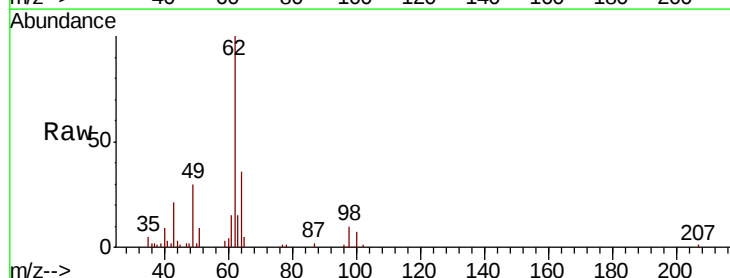


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

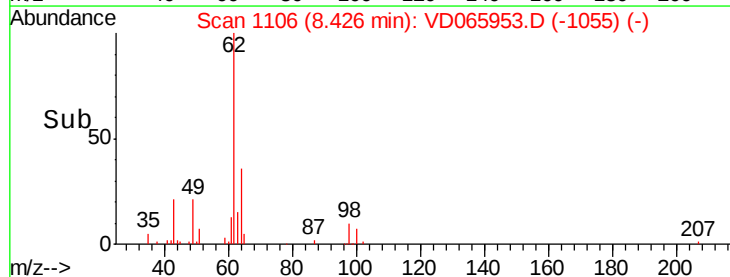
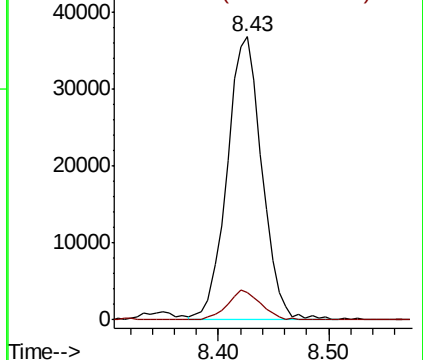


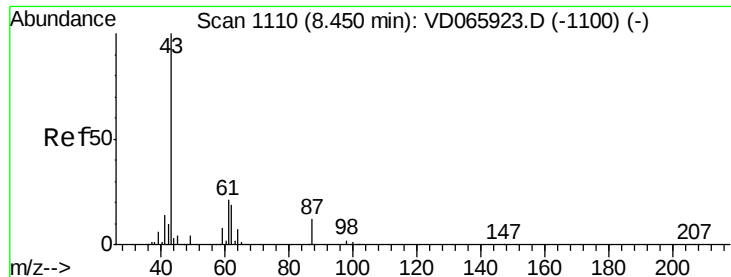
#42
1,2-Dichloroethane
Concen: 20.145 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD065953.D
Acq: 16 Jul 2020 13:18

Tgt Ion: 62 Resp: 81313
Ion Ratio Lower Upper
62 100
98 10.0 0.0 20.0



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





#43

Isopropyl Acetate

Concen: 19.748 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBS01

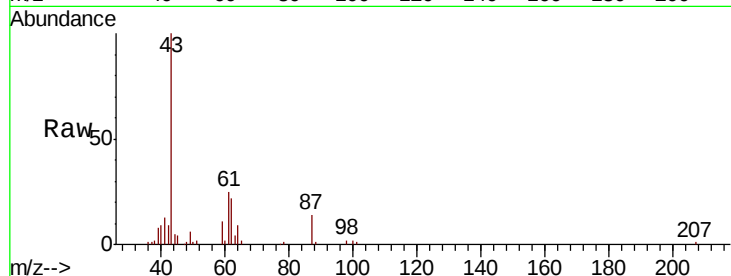
Tot Ion: 43 Resp: 79434

Ion Ratio Lower Upper

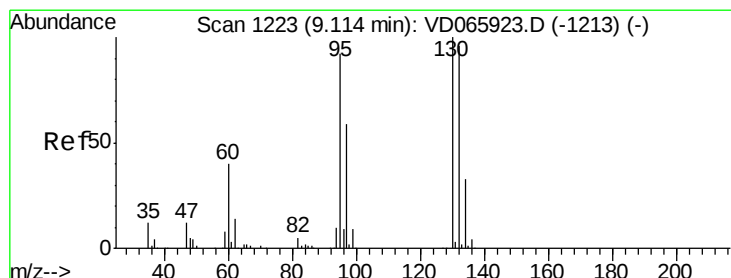
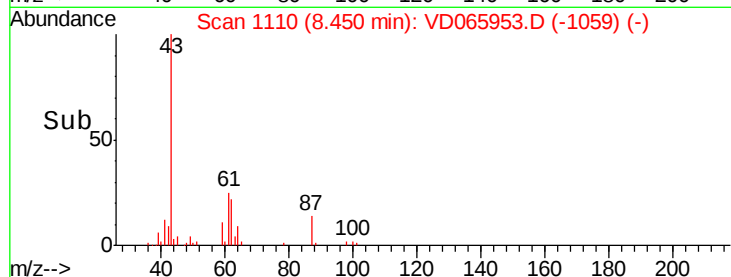
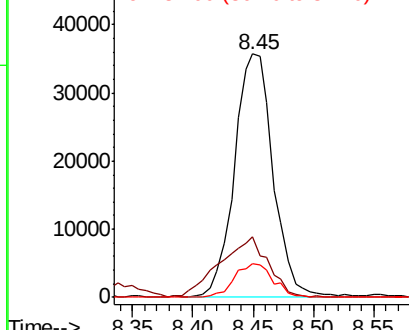
43 100

61 31.4 23.2 34.8

87 13.8 10.0 15.0



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: 21.308 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065953.D

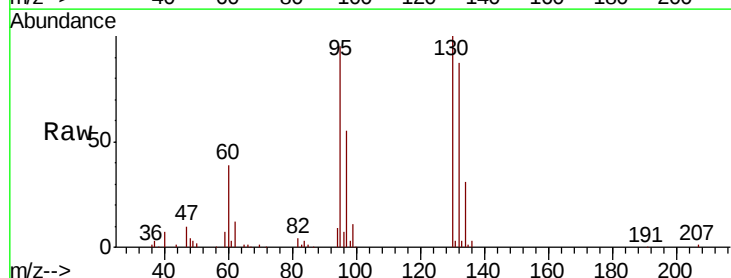
Acq: 16 Jul 2020 13:18

Tgt Ion:130 Resp: 89204

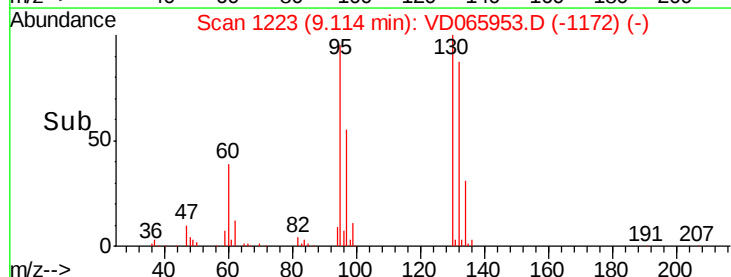
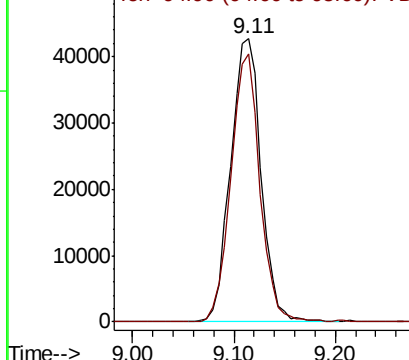
Ion Ratio Lower Upper

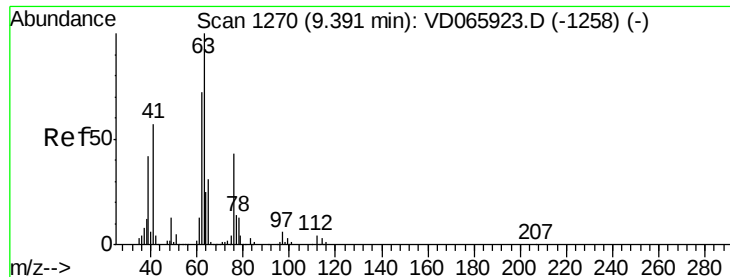
130 100

95 94.9 0.0 184.6



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





#45

1,2-Dichloropropane

Concen: 20.722 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

Instrument :

MSVOA_D

ClientSampleId :

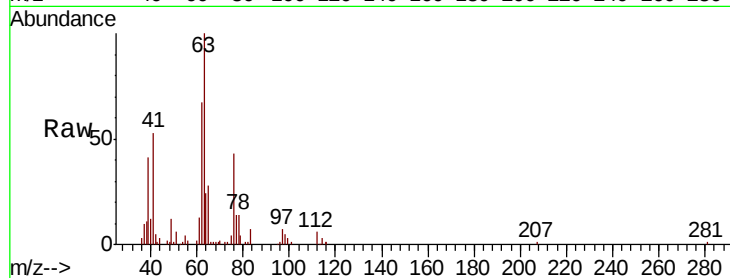
VD0716SBS01

Tot Ion: 63 Resp: 73281

Ion Ratio Lower Upper

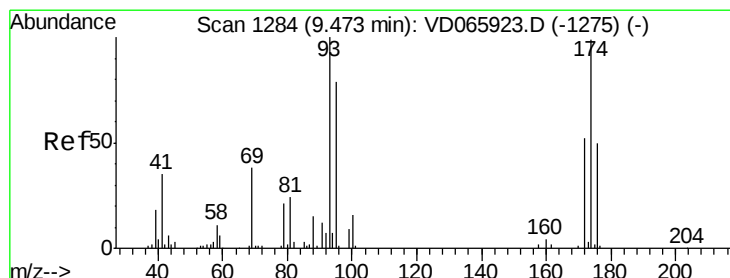
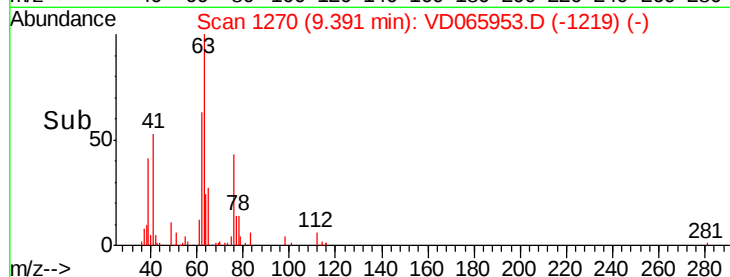
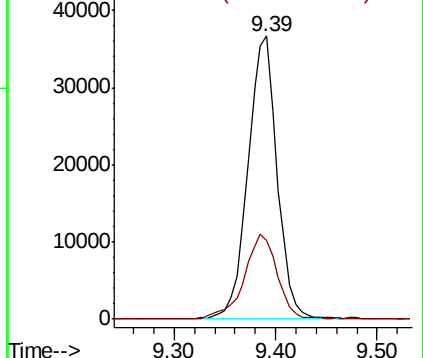
63 100

65 27.8 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 20.497 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

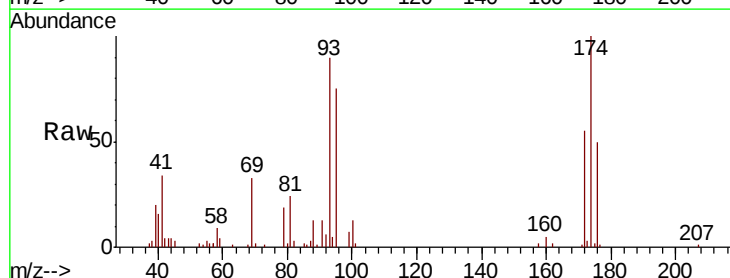
Tgt Ion: 93 Resp: 37738

Ion Ratio Lower Upper

93 100

95 84.0 68.2 102.2

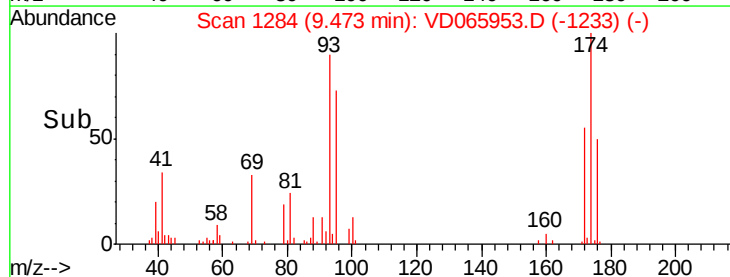
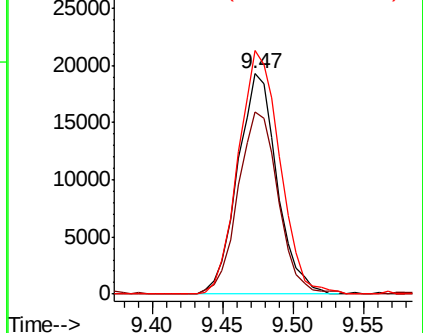
174 116.5 88.0 132.0

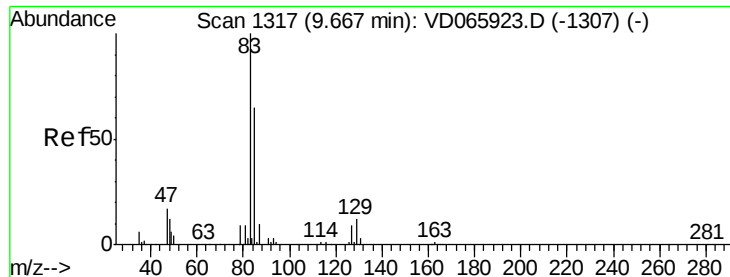


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.229 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBS01

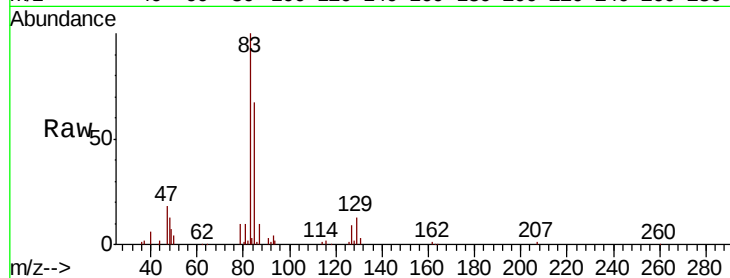
Tot Ion: 83 Resp: 99907

Ion Ratio Lower Upper

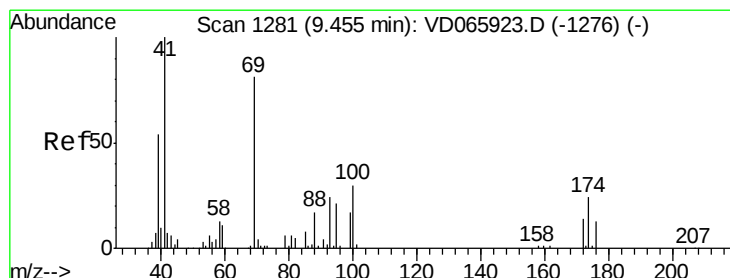
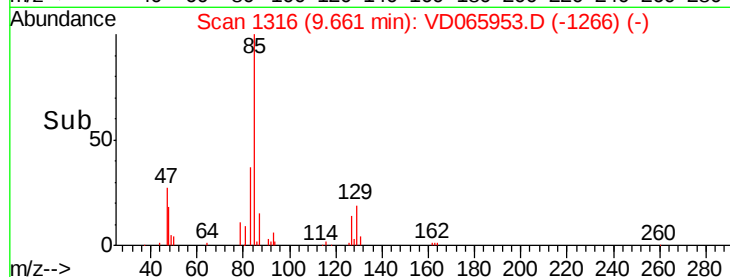
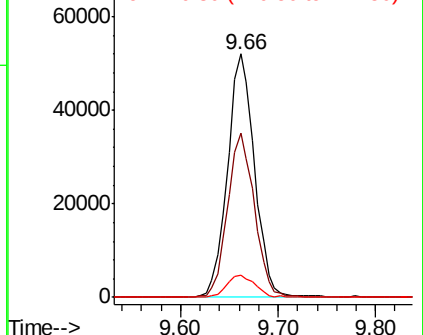
83 100

85 67.4 51.6 77.4

127 9.2 7.2 10.8



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



#48

Methyl methacrylate

Concen: 19.846 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

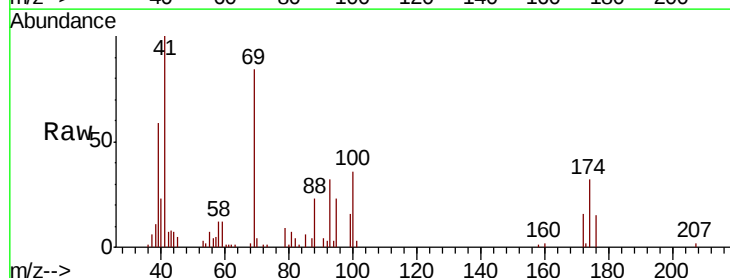
Tgt Ion: 41 Resp: 40187

Ion Ratio Lower Upper

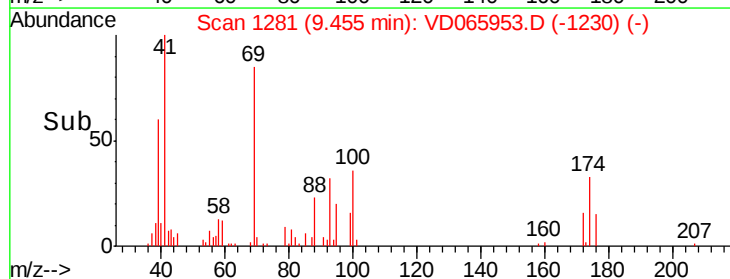
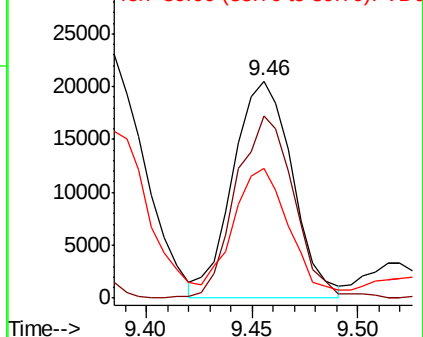
41 100

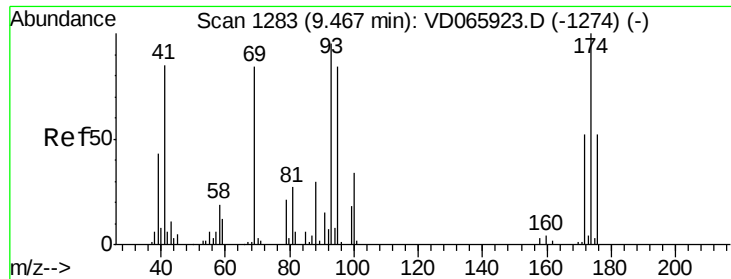
69 81.9 62.2 93.4

39 50.4 39.9 59.9



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





#49

1,4-Dioxane

Concen: 404.047 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBS01

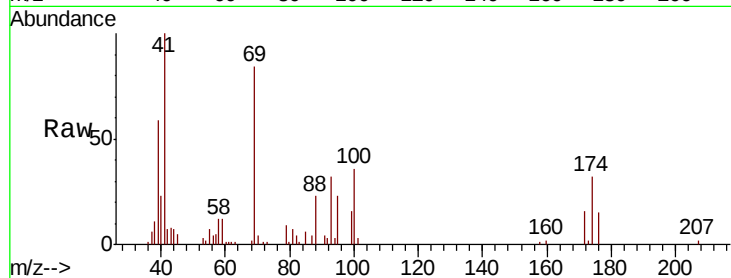
Tot Ion: 88 Resp: 8839

Ion Ratio Lower Upper

88 100

43 40.8 28.2 42.4

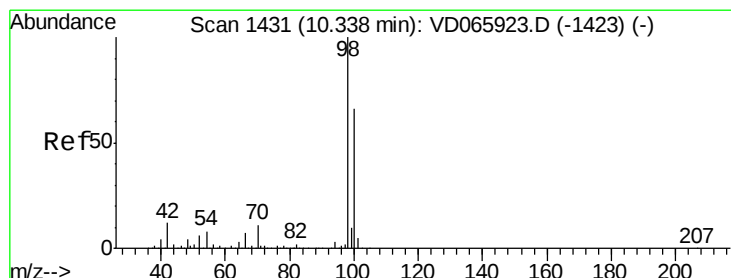
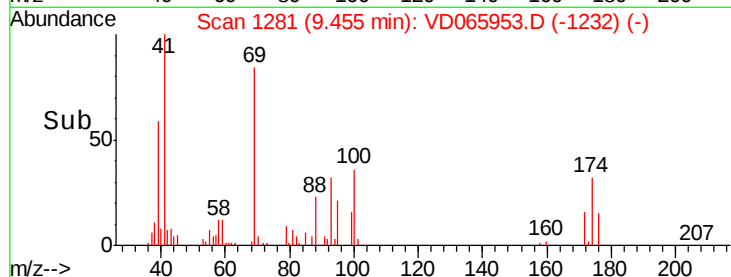
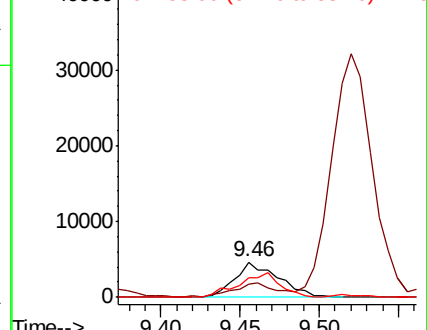
58 66.4 58.6 87.8



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: 47.750 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD065953.D

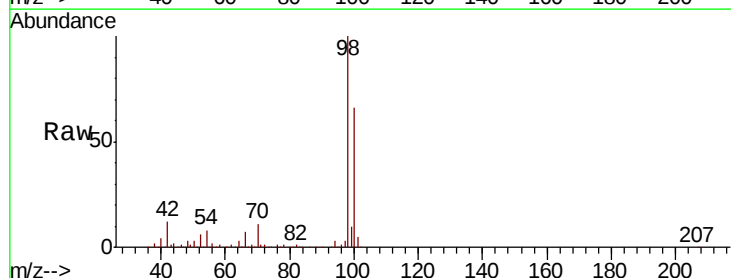
Acq: 16 Jul 2020 13:18

Tgt Ion: 98 Resp: 561239

Ion Ratio Lower Upper

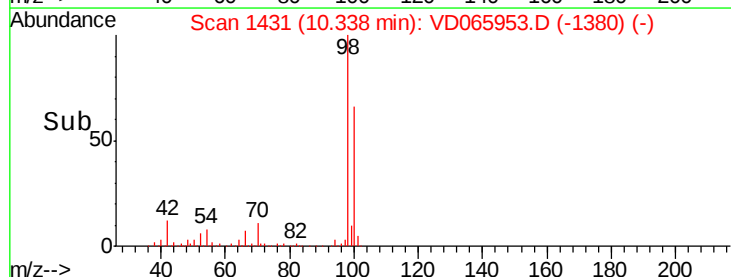
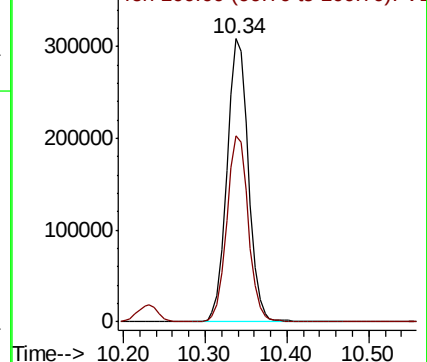
98 100

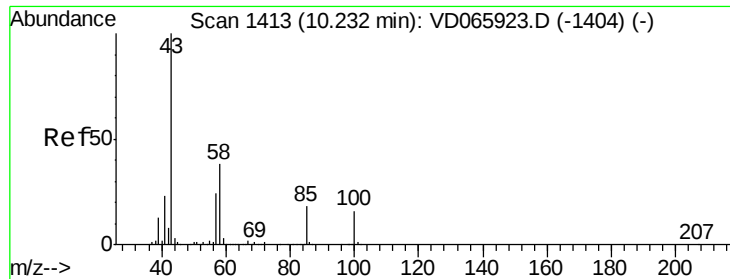
100 66.1 53.1 79.7



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: 98.071 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.01 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

Instrument :

MSVOA_D

ClientSampleId :

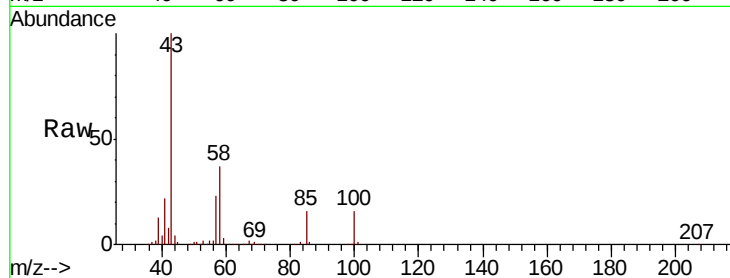
VD0716SBS01

Tot Ion: 43 Resp: 199435

Ion Ratio Lower Upper

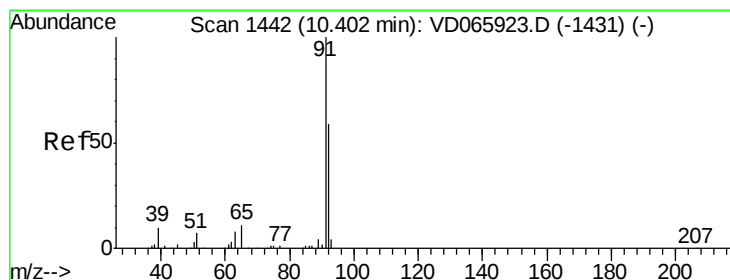
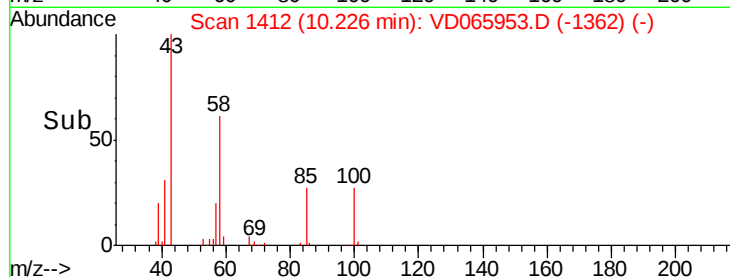
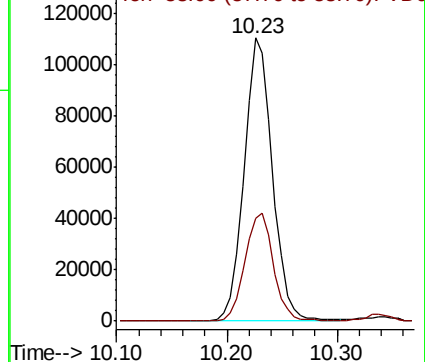
43 100

58 38.4 30.5 45.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 21.659 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD065953.D

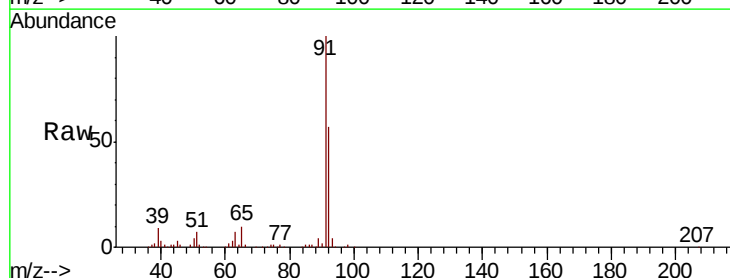
Acq: 16 Jul 2020 13:18

Tgt Ion: 92 Resp: 196329

Ion Ratio Lower Upper

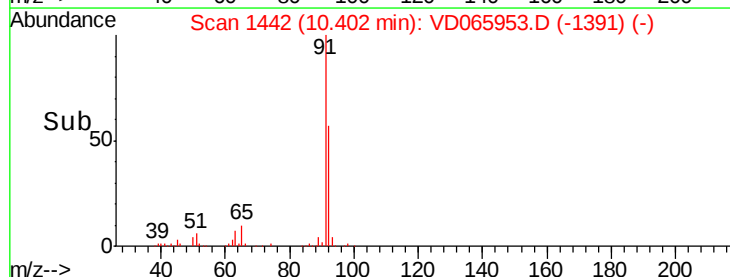
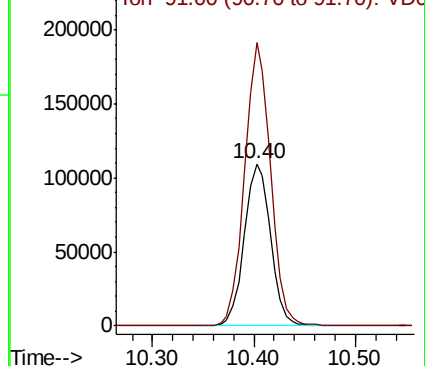
92 100

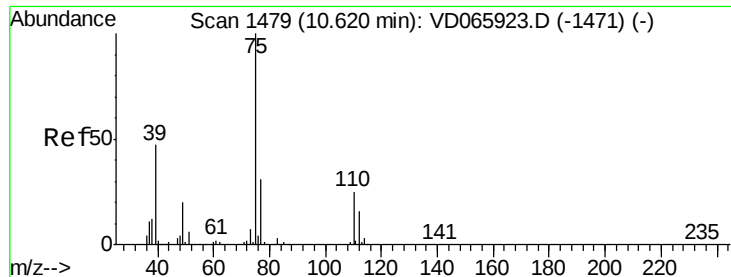
91 172.7 136.0 204.0



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: 20.533 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

Instrument :

MSVOA_D

ClientSampleId :

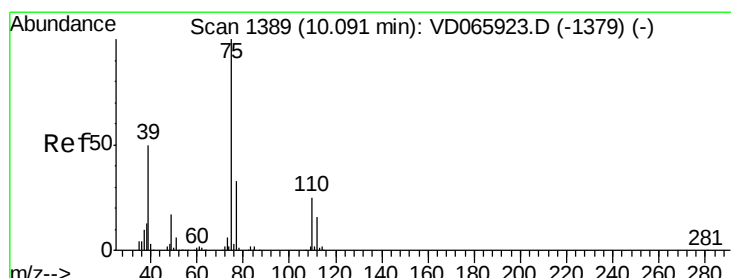
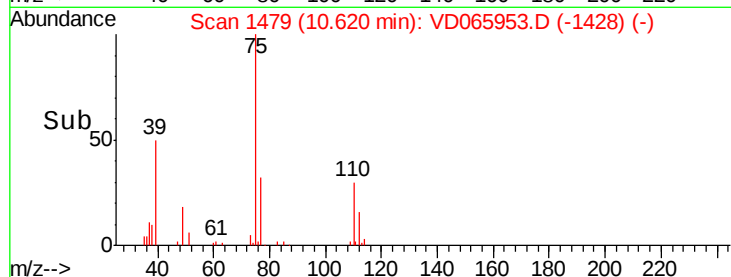
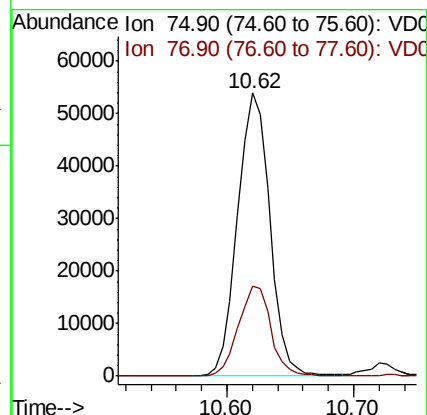
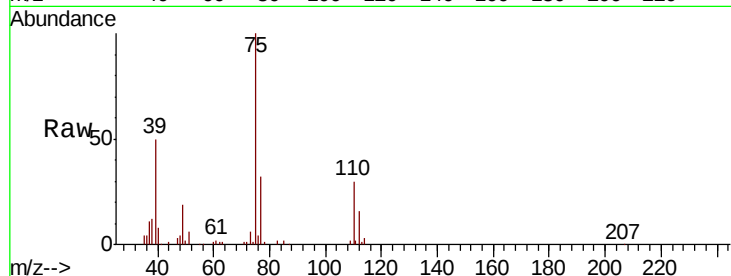
VD0716SBS01

Tot Ion: 75 Resp: 95352

Ion Ratio Lower Upper

75 100

77 31.6 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 21.064 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

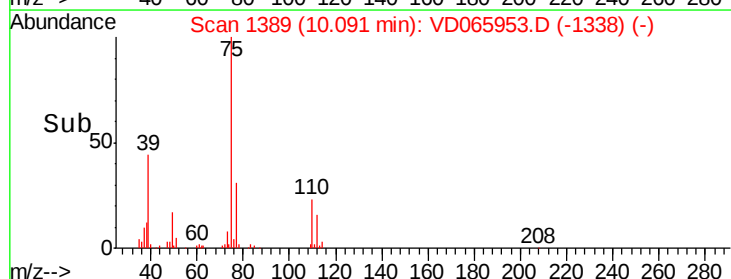
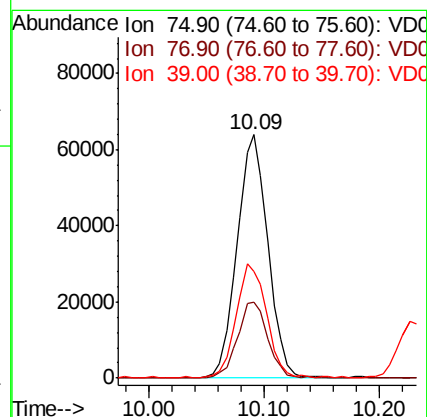
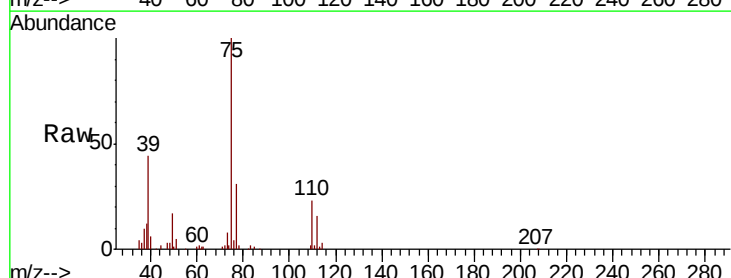
Tgt Ion: 75 Resp: 118195

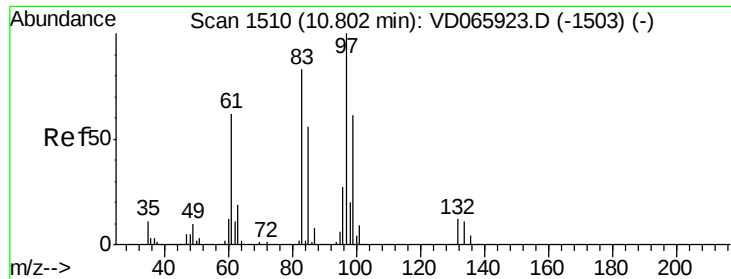
Ion Ratio Lower Upper

75 100

77 31.0 26.6 39.8

39 43.9 39.6 59.4





#55

1,1,2-Trichloroethane

Concen: 21.461 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBS01

Tot Ion: 97 Resp: 54441

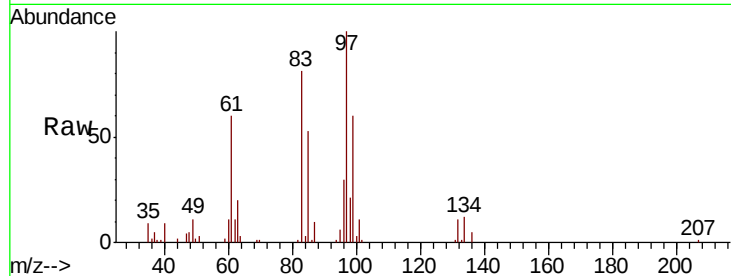
Ion Ratio Lower Upper

97 100

83 80.8 66.9 100.3

85 52.8 44.5 66.7

99 60.3 49.2 73.8

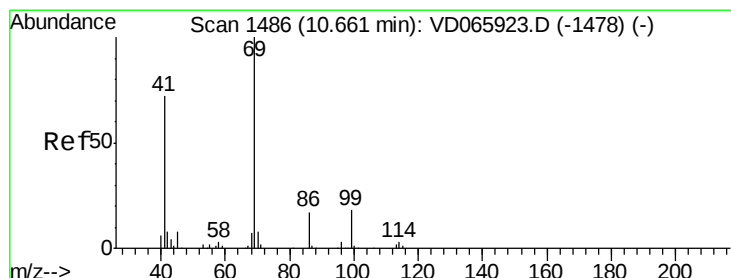
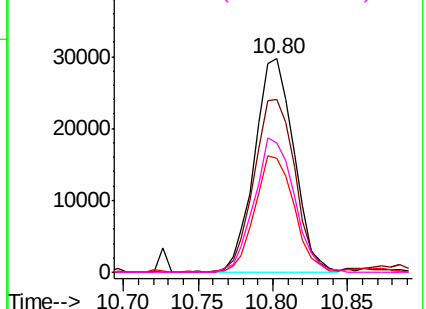
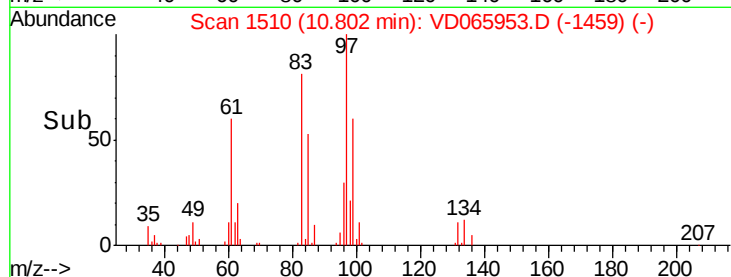


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 20.350 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

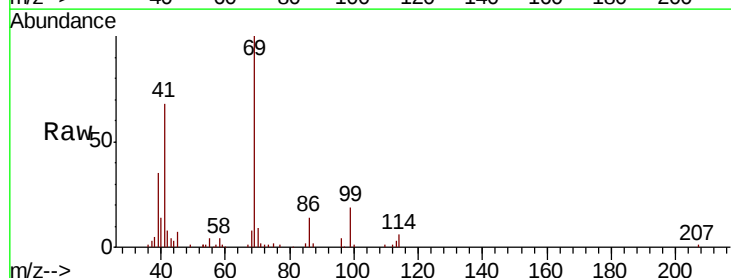
Tgt Ion: 69 Resp: 63050

Ion Ratio Lower Upper

69 100

41 71.4 56.5 84.7

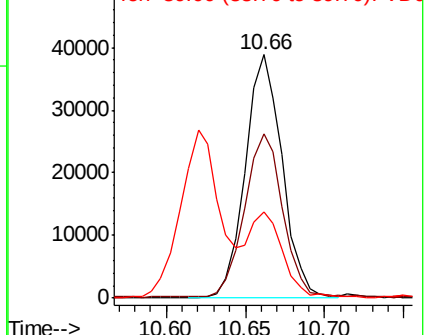
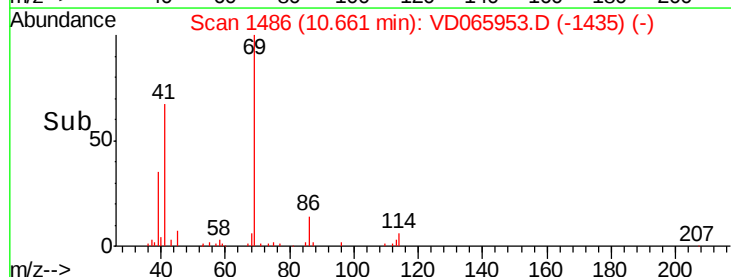
39 34.8 29.2 43.8

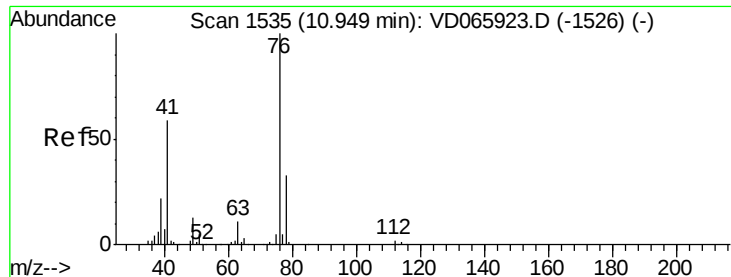


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

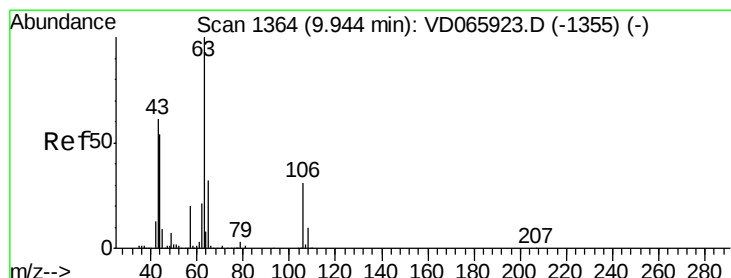
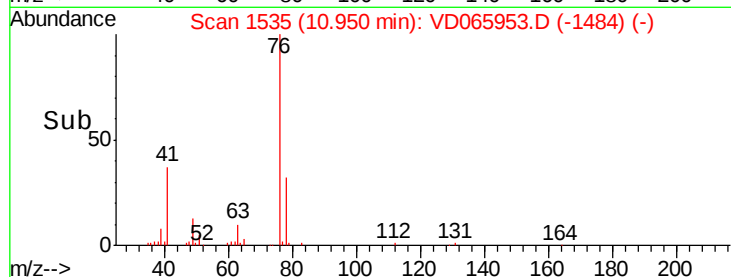
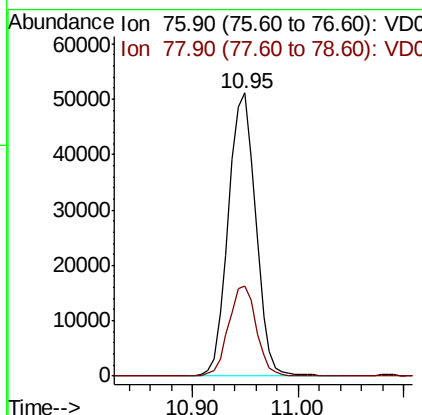
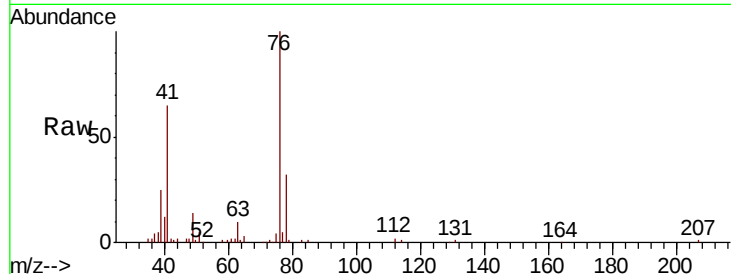




#57
 1,3-Dichloropropane
 Concen: 20.668 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065953.D
 Acq: 16 Jul 2020 13:18

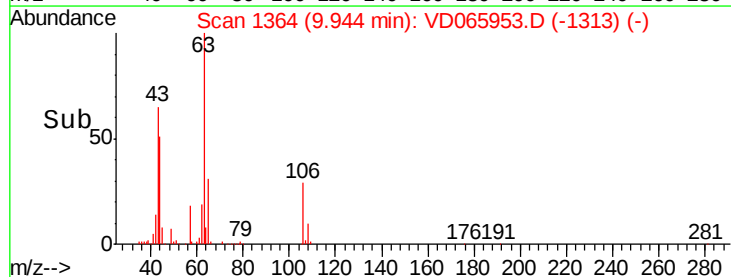
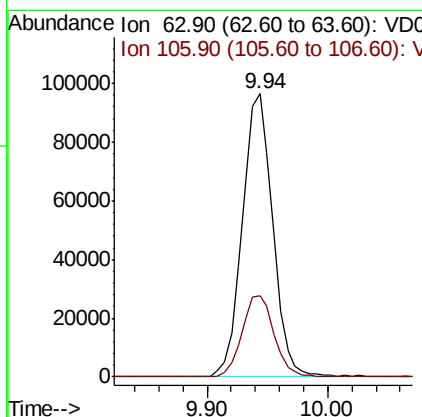
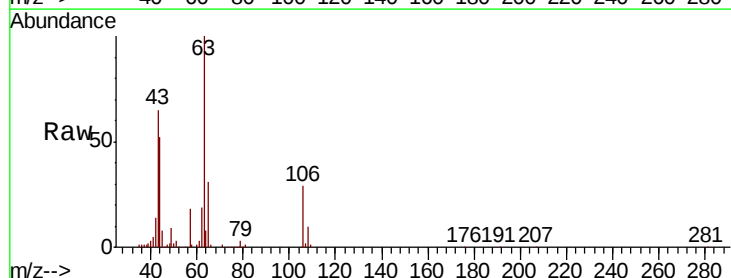
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0716SBS01

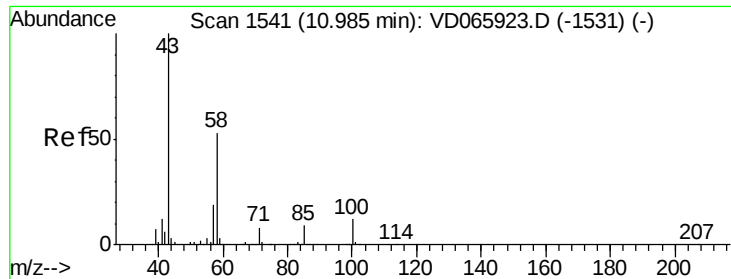
Tot Ion: 76 Resp: 91688
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 113.134 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD065953.D
 Acq: 16 Jul 2020 13:18

Tgt Ion: 63 Resp: 169758
 Ion Ratio Lower Upper
 63 100
 106 30.4 23.8 35.6

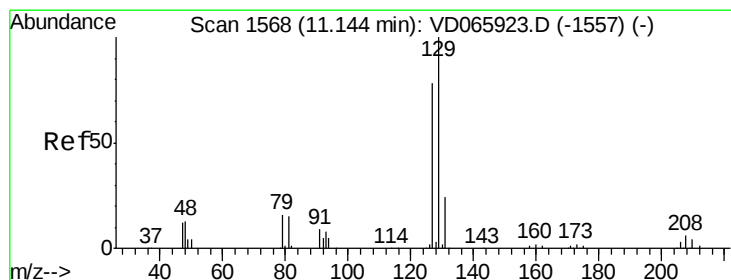
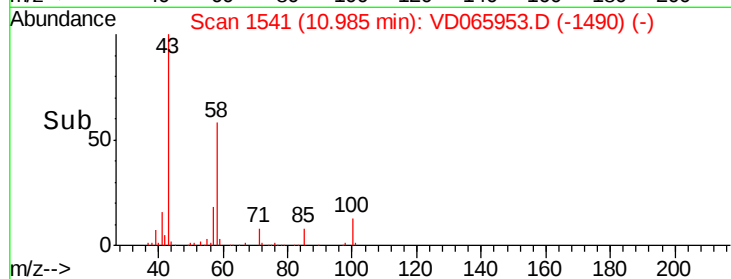
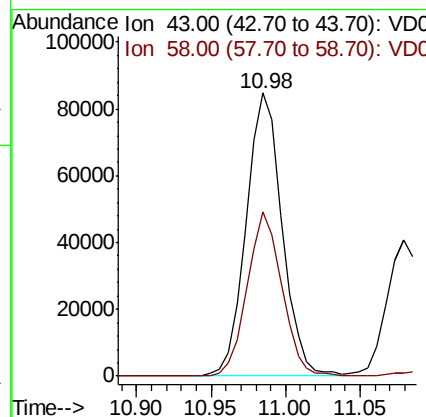
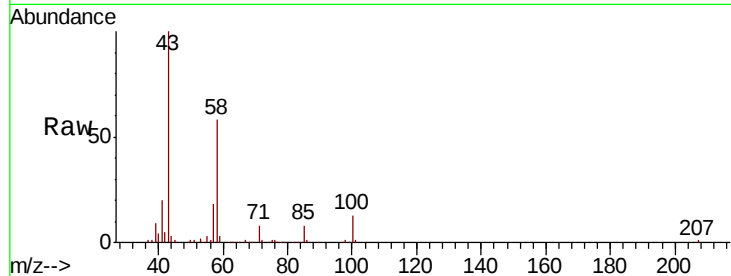




#59
2-Hexanone
Concen: 100.765 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD065953.D
Acq: 16 Jul 2020 13:18

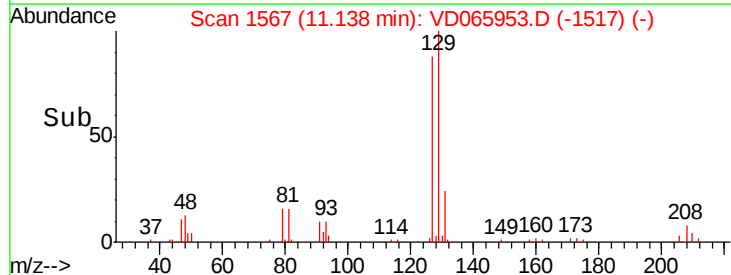
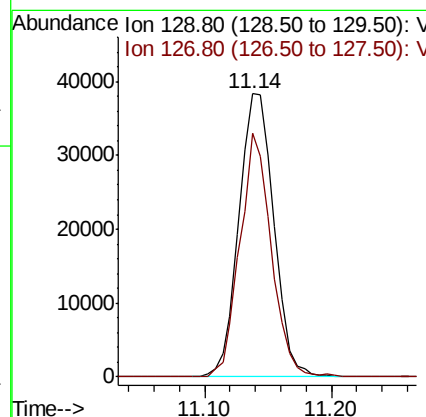
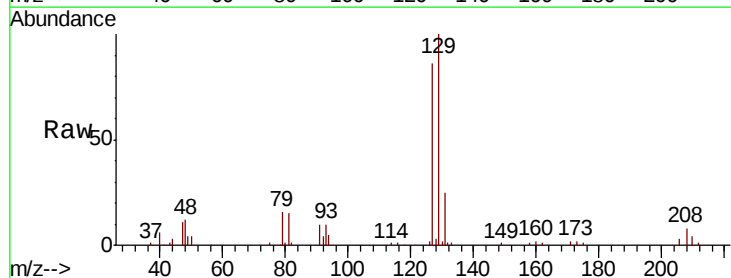
Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS01

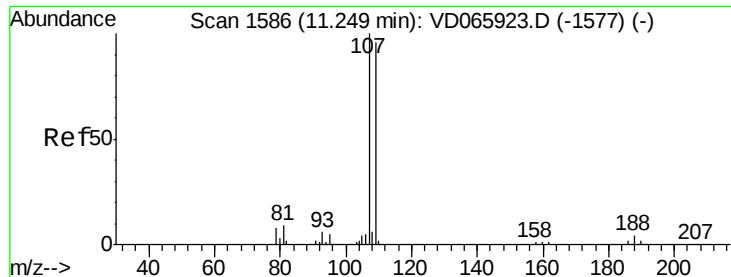
Tot Ion: 43 Resp: 140927
Ion Ratio Lower Upper
43 100
58 56.1 26.6 79.8



#60
Dibromochloromethane
Concen: 21.143 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD065953.D
Acq: 16 Jul 2020 13:18

Tgt Ion: 129 Resp: 73277
Ion Ratio Lower Upper
129 100
127 77.2 38.8 116.4

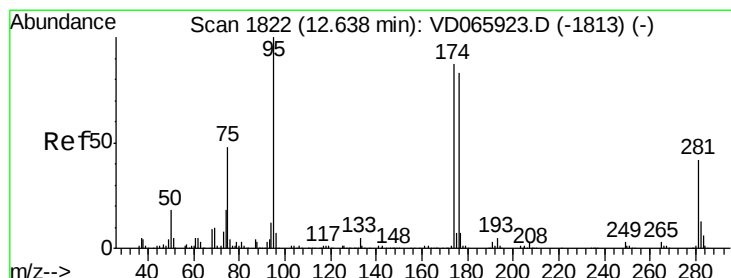
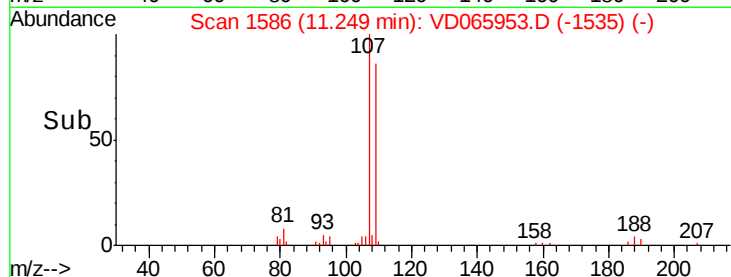
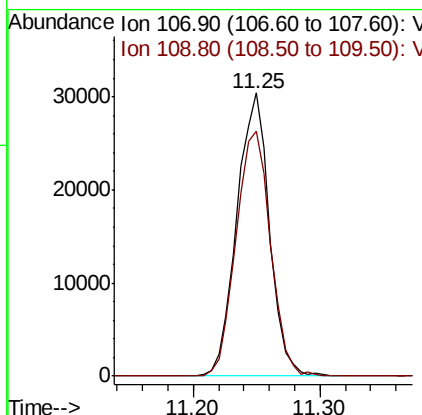
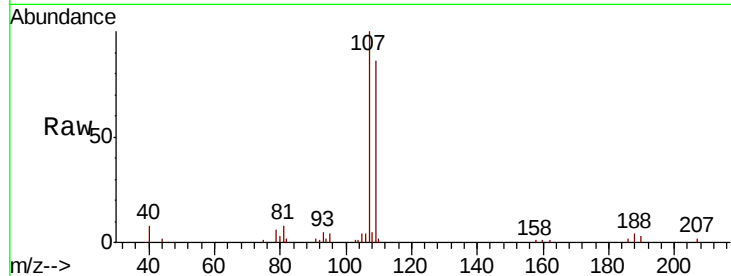




#61
 1,2-Dibromoethane
 Concen: 21.354 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065953.D
 Acq: 16 Jul 2020 13:18

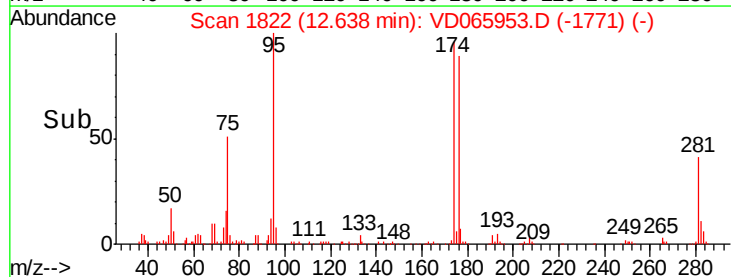
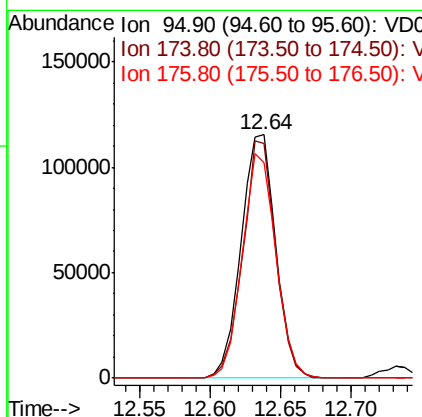
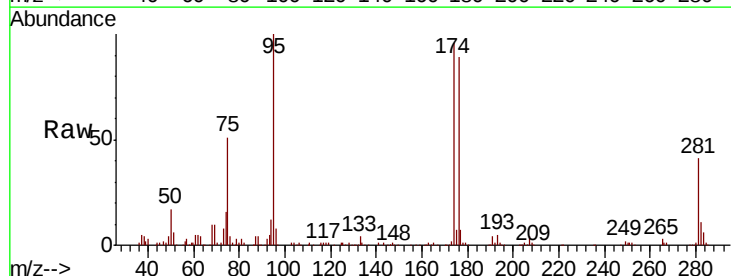
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0716SBS01

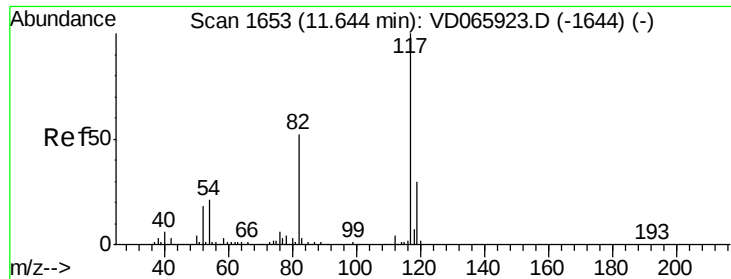
Tot Ion:107 Resp: 54009
 Ion Ratio Lower Upper
 107 100
 109 91.4 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 49.258 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065953.D
 Acq: 16 Jul 2020 13:18

Tgt Ion: 95 Resp: 198819
 Ion Ratio Lower Upper
 95 100
 174 91.8 0.0 169.4
 176 89.4 0.0 164.0

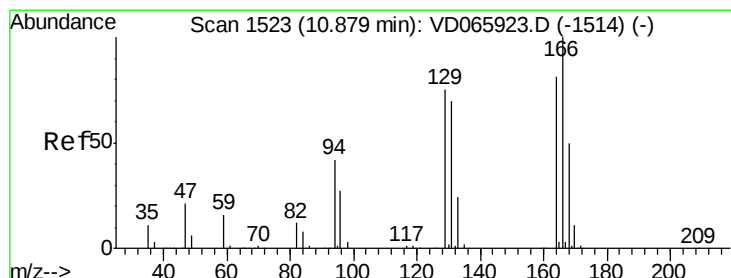
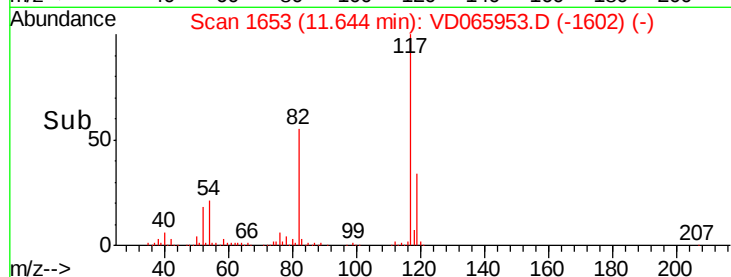
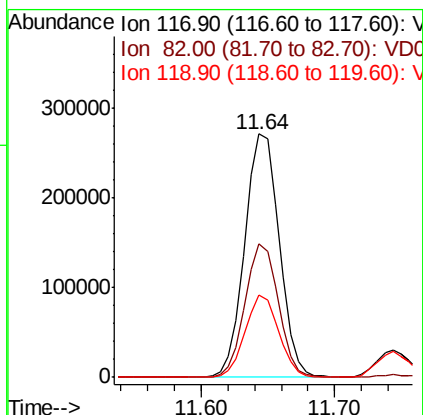
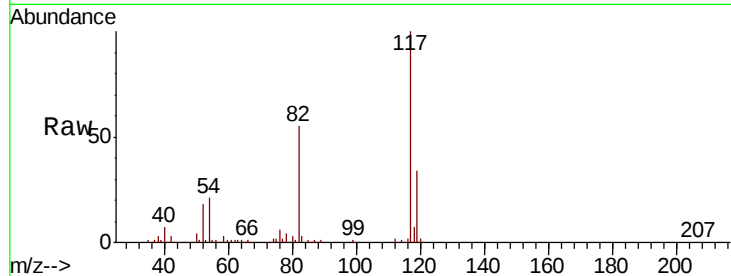




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD065953.D
Acq: 16 Jul 2020 13:18

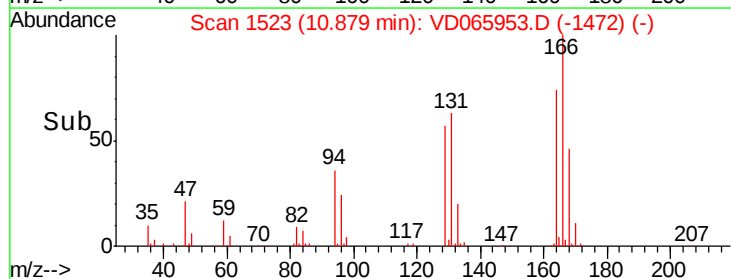
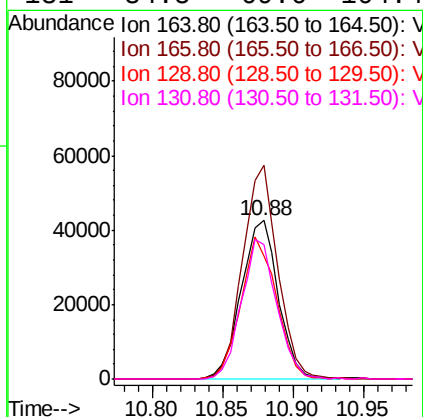
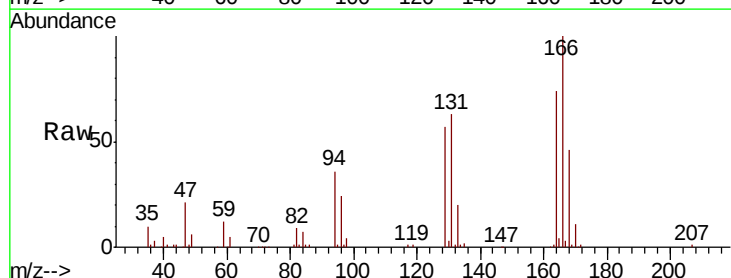
Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS01

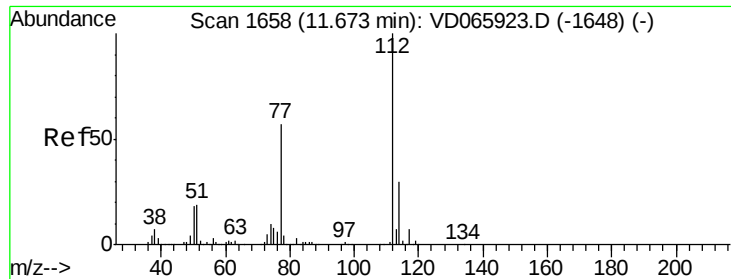
Tot Ion:117 Resp: 484591
Ion Ratio Lower Upper
117 100
82 55.0 41.8 62.8
119 33.8 24.3 36.5



#64
Tetrachloroethene
Concen: 22.137 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065953.D
Acq: 16 Jul 2020 13:18

Tgt Ion:164 Resp: 78013
Ion Ratio Lower Upper
164 100
166 134.8 99.0 148.4
129 77.4 73.9 110.9
131 84.5 69.6 104.4





#65

Chlorobenzene

Concen: 21.641 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

Instrument :

MSVOA_D

ClientSampleId :

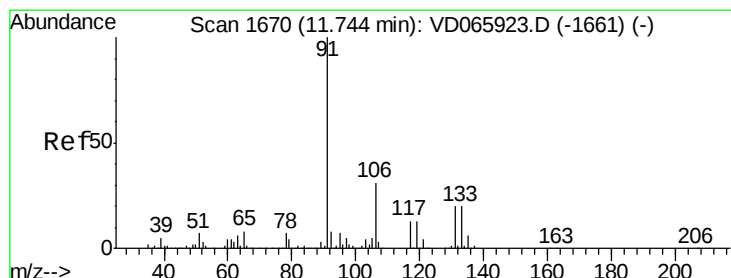
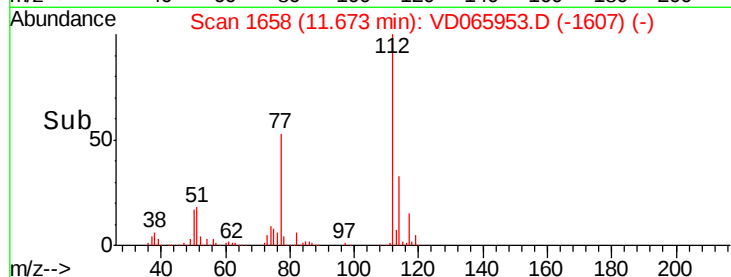
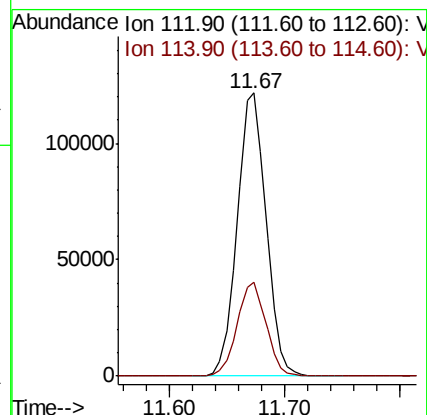
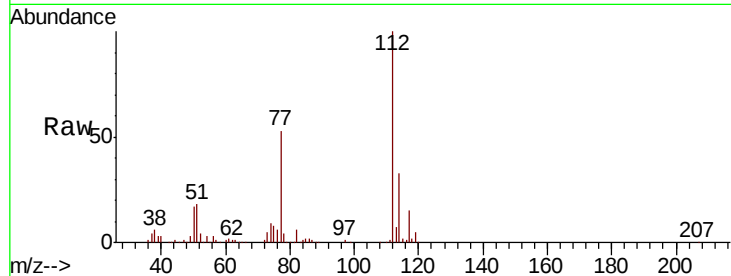
VD0716SBS01

Tot Ion:112 Resp: 211335

Ion Ratio Lower Upper

112 100

114 33.3 24.2 36.4



#66

1,1,1,2-Tetrachloroethane

Concen: 21.814 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

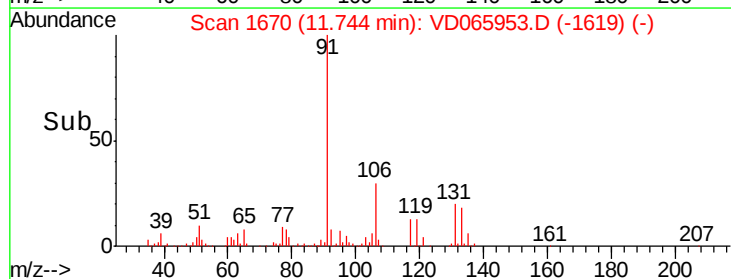
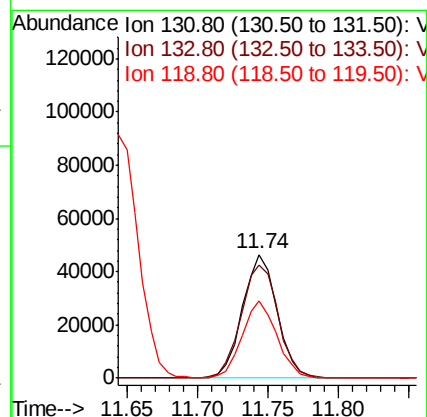
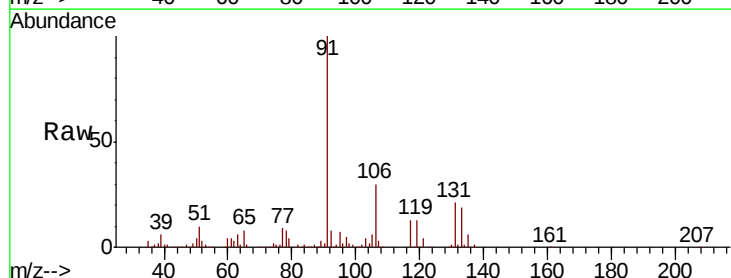
Tgt Ion:131 Resp: 79676

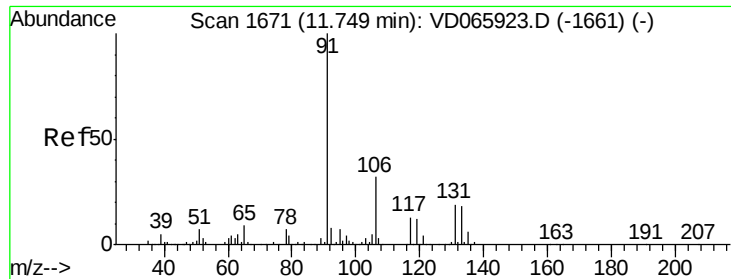
Ion Ratio Lower Upper

131 100

133 98.1 47.9 143.6

119 62.5 31.9 95.9





#67

Ethyl Benzene

Concen: 21.261 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

Instrument :

MSVOA_D

ClientSampleId :

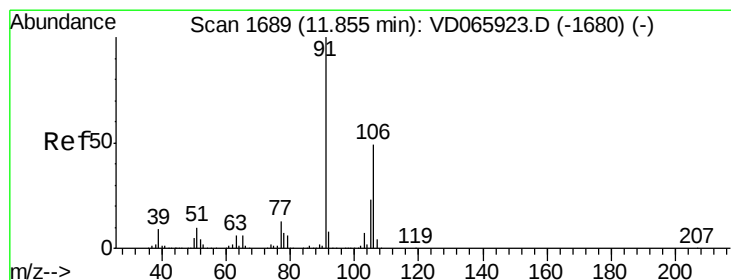
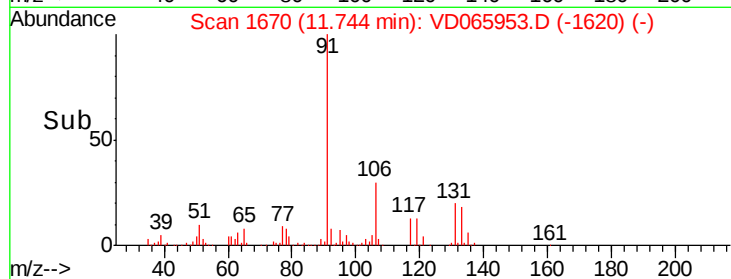
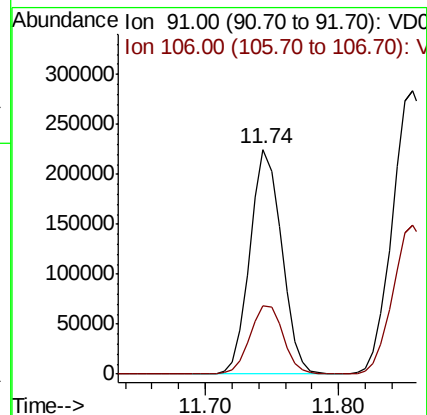
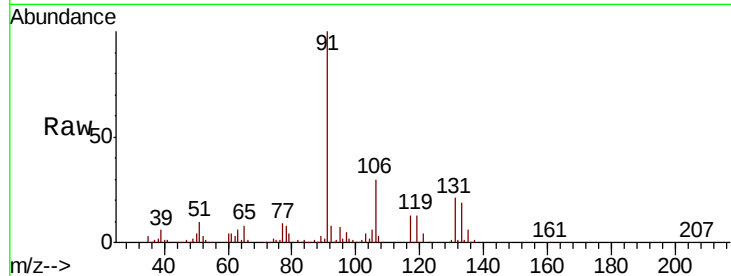
VD0716SBS01

Tot Ion: 91 Resp: 368849

Ion Ratio Lower Upper

91 100

106 30.2 25.2 37.8



#68

m/p-Xylenes

Concen: 44.106 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD065953.D

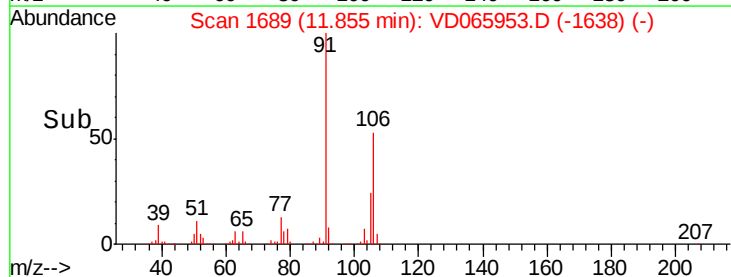
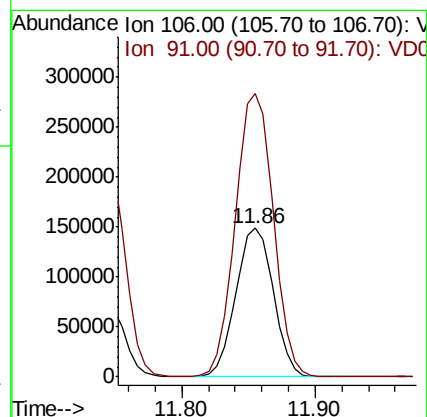
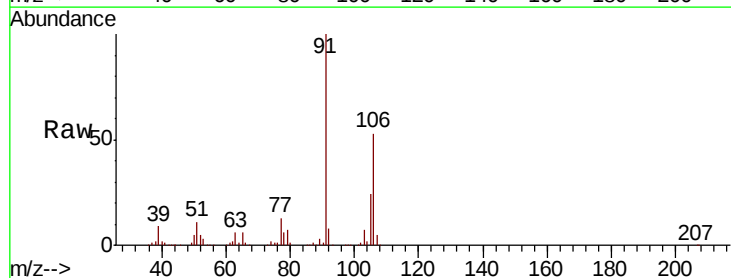
Acq: 16 Jul 2020 13:18

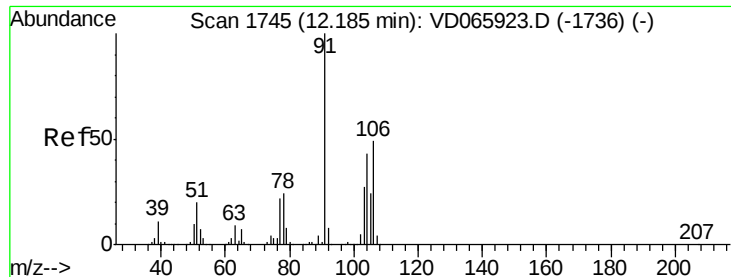
Tgt Ion: 106 Resp: 290713

Ion Ratio Lower Upper

106 100

91 193.0 158.2 237.2

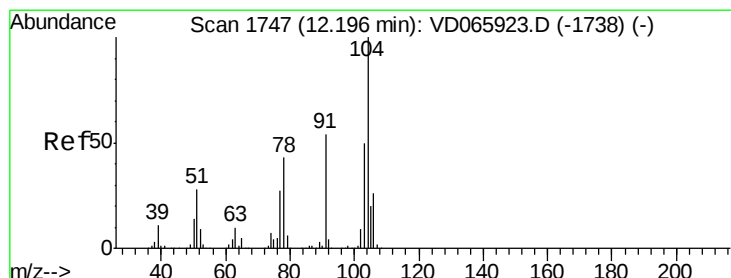
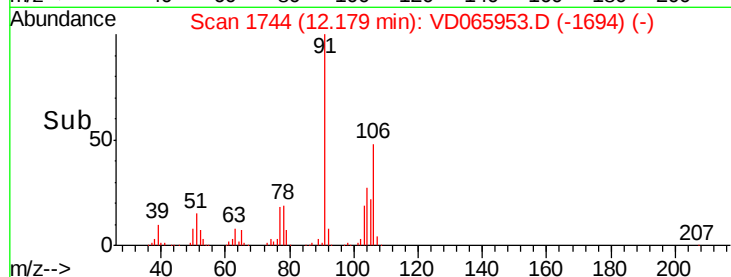
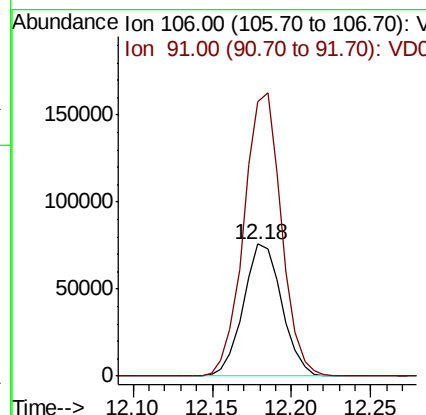
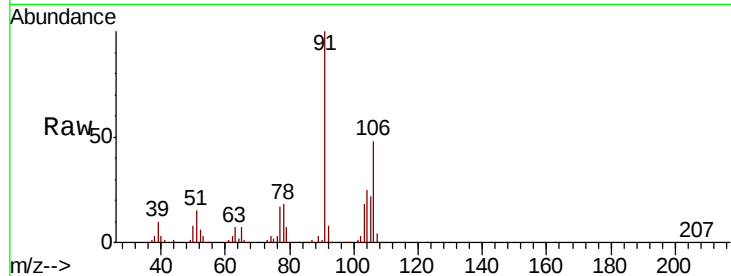




#69
o-Xylene
Concen: 21.302 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.01 min
Lab File: VD065953.D
Acq: 16 Jul 2020 13:18

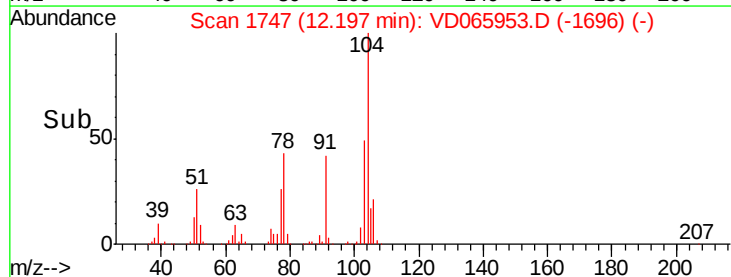
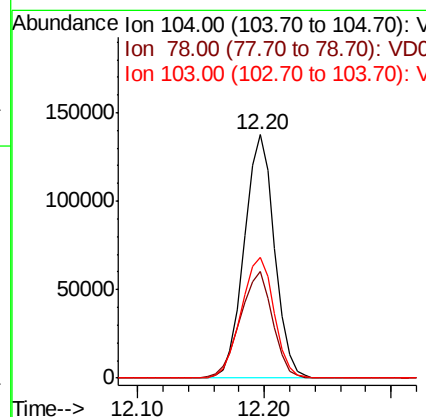
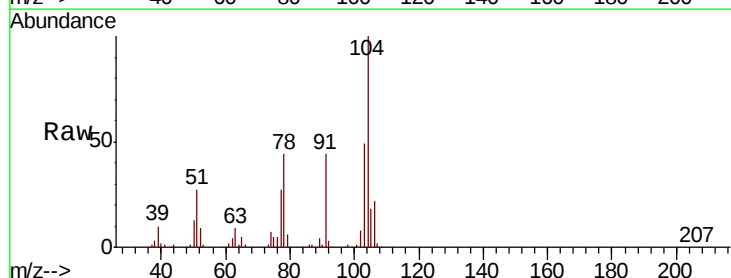
Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS01

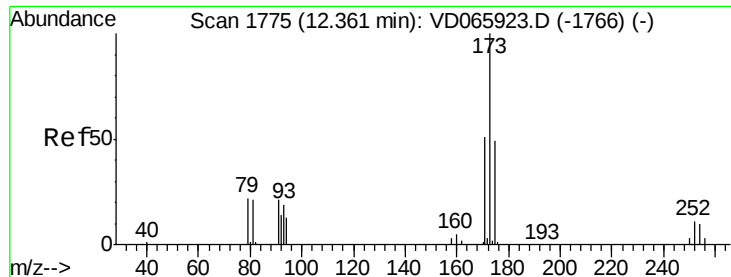
Tot Ion:106 Resp: 127900
Ion Ratio Lower Upper
106 100
91 208.6 104.1 312.2



#70
Styrene
Concen: 21.956 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD065953.D
Acq: 16 Jul 2020 13:18

Tgt Ion:104 Resp: 227567
Ion Ratio Lower Upper
104 100
78 46.9 38.8 58.2
103 53.8 43.6 65.4





#71

Bromoform

Concen: 21.260 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBS01

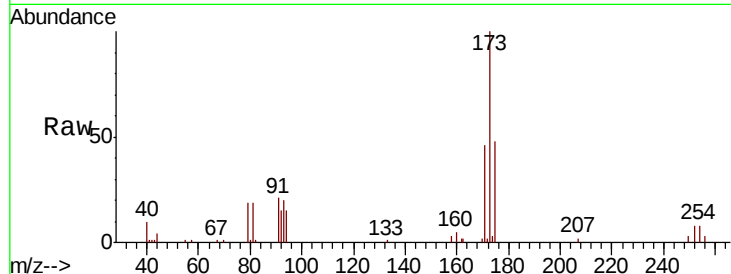
Tot Ion:173 Resp: 43939

Ion Ratio Lower Upper

173 100

175 49.9 24.2 72.6

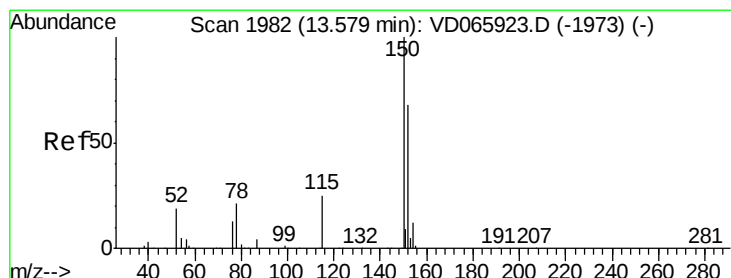
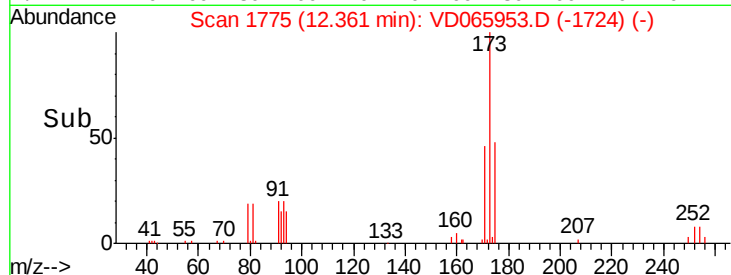
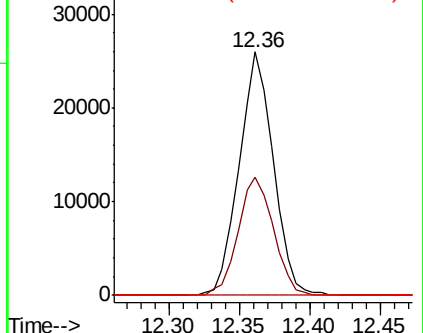
254 0.0 0.0 0.0



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# 1982

Delta R.T. 0.00 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

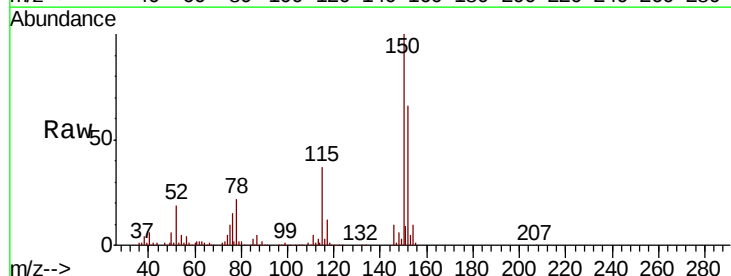
Tgt Ion:152 Resp: 255505

Ion Ratio Lower Upper

152 100

115 55.3 27.8 83.3

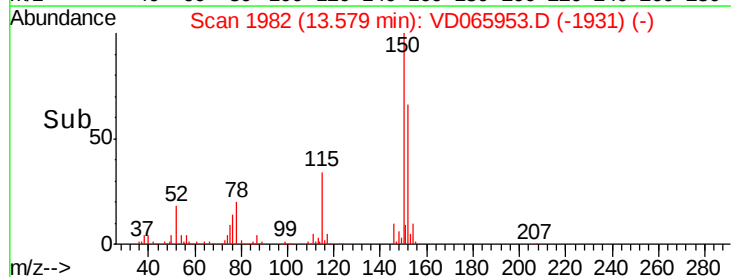
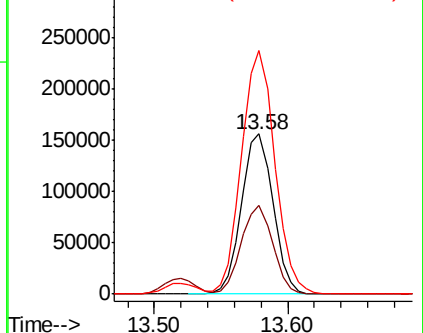
150 160.5 0.0 347.2

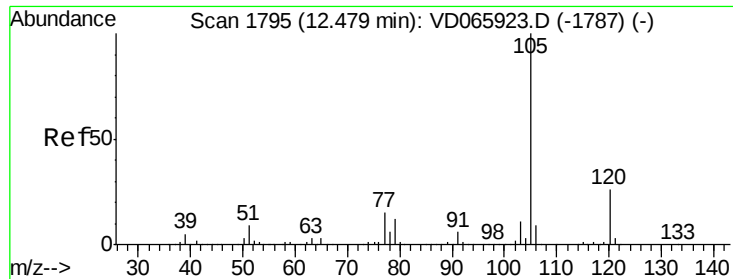


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.436 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

Instrument :

MSVOA_D

ClientSampleId :

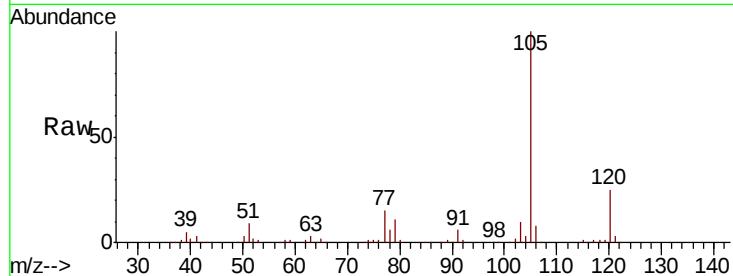
VD0716SBS01

Tot Ion:105 Resp: 364415

Ion Ratio Lower Upper

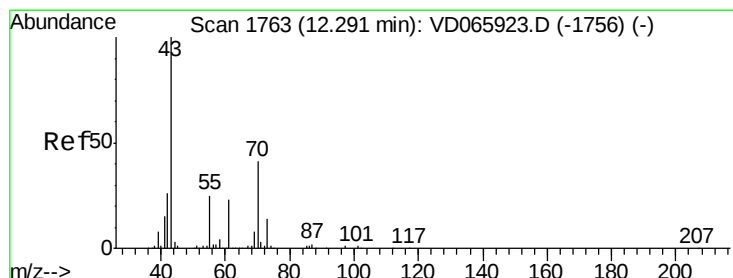
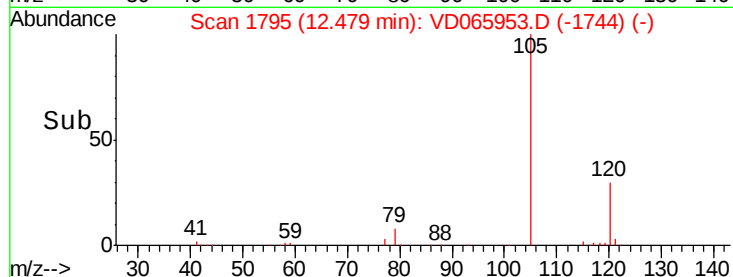
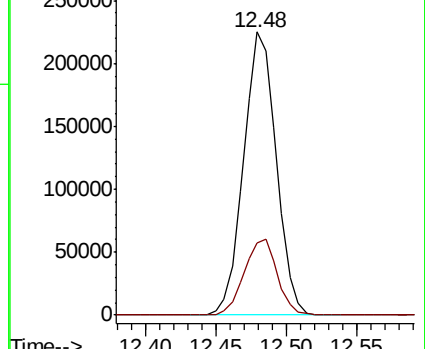
105 100

120 27.0 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.412 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

Tgt Ion: 43 Resp: 73673

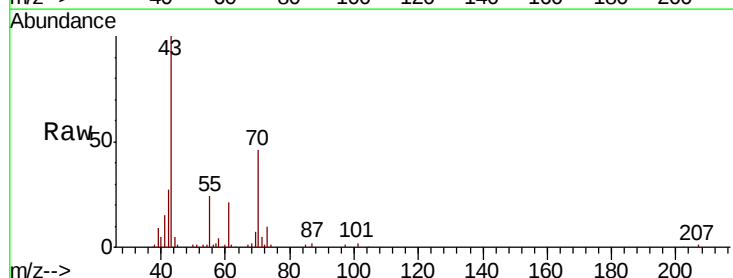
Ion Ratio Lower Upper

43 100

70 44.1 33.6 50.4

55 24.9 20.1 30.1

61 23.0 18.9 28.3

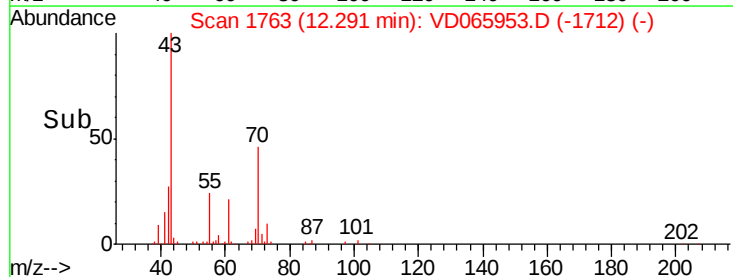
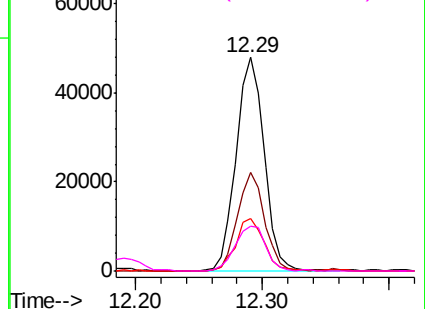


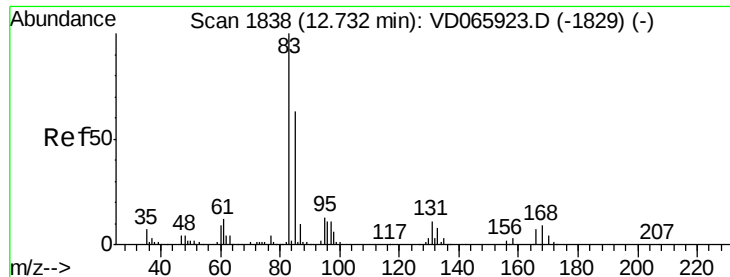
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.603 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBS01

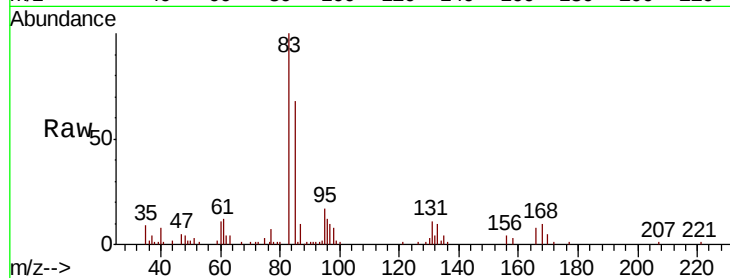
Tot Ion: 83 Resp: 58034

Ion Ratio Lower Upper

83 100

131 11.3 5.6 16.8

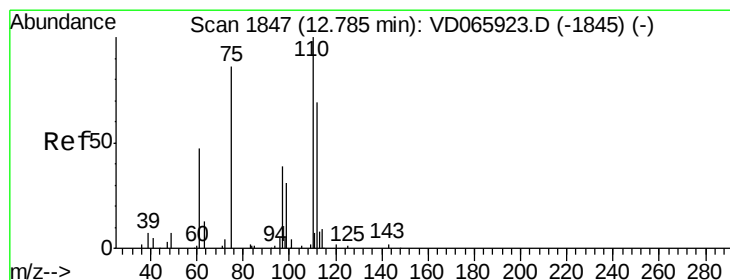
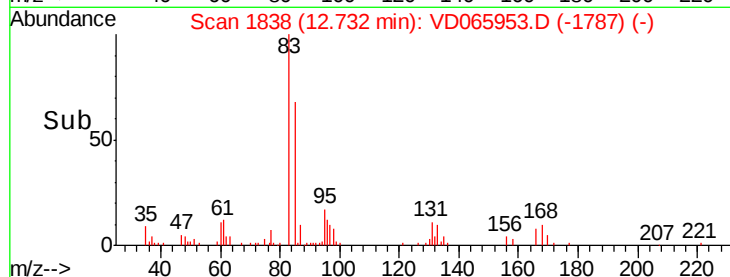
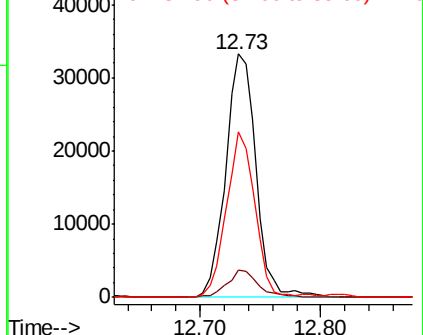
85 63.6 32.6 98.0



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: 35.761 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD065953.D

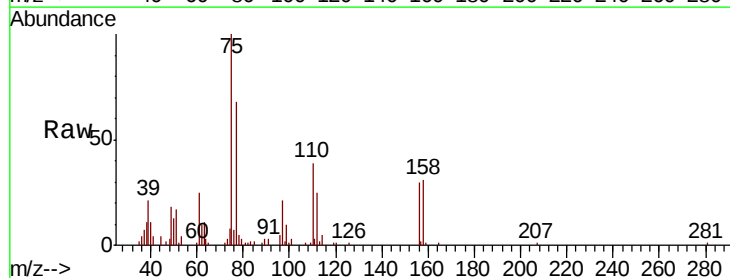
Acq: 16 Jul 2020 13:18

Tgt Ion: 75 Resp: 76649

Ion Ratio Lower Upper

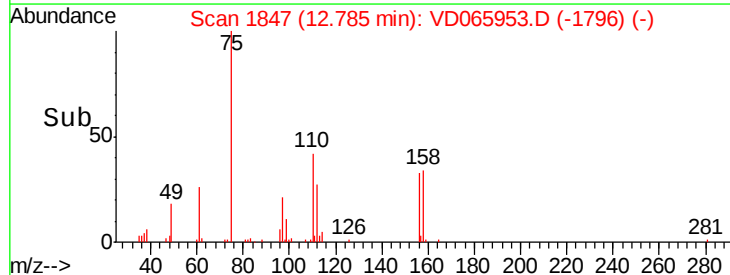
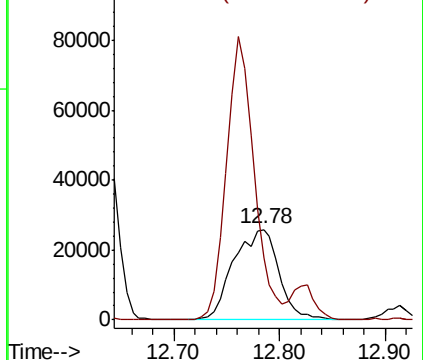
75 100

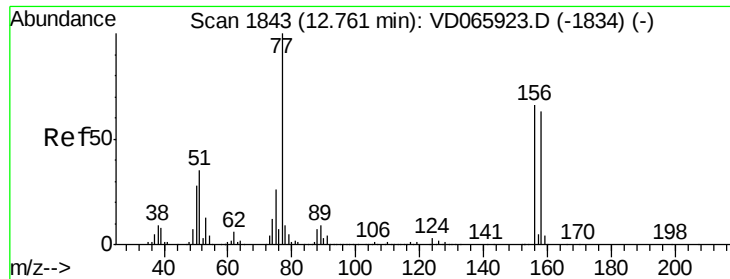
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 20.683 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBS01

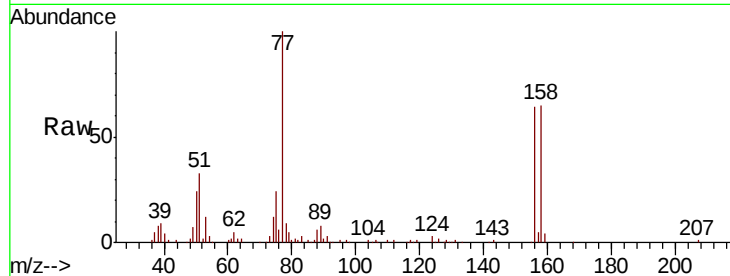
Tot Ion:156 Resp: 89452

Ion Ratio Lower Upper

156 100

77 165.0 85.0 255.0

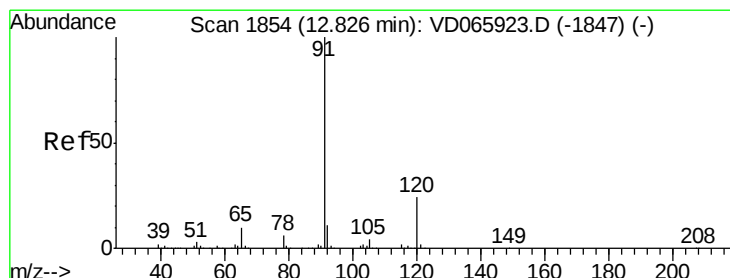
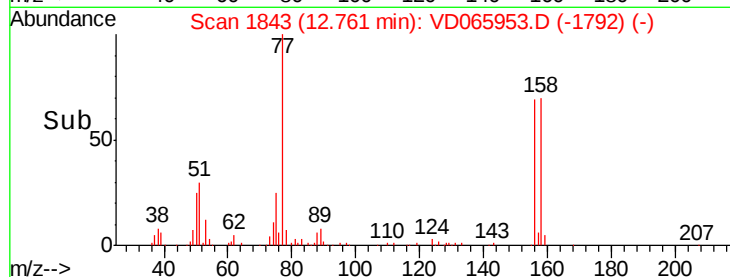
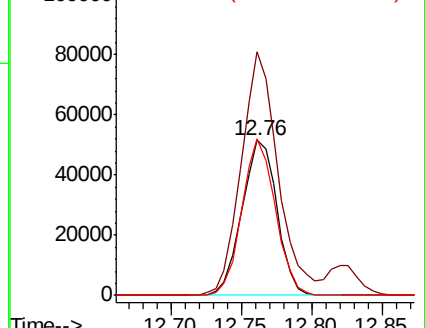
158 96.3 49.0 147.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.254 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.01 min

Lab File: VD065953.D

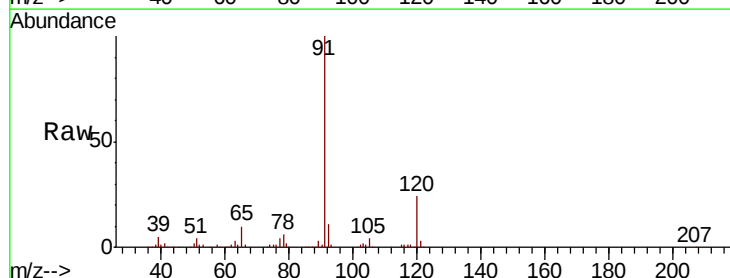
Acq: 16 Jul 2020 13:18

Tgt Ion: 91 Resp: 423440

Ion Ratio Lower Upper

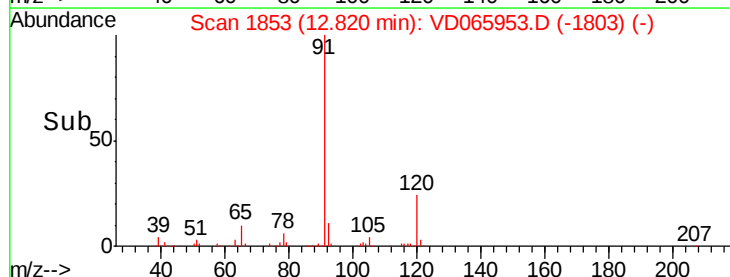
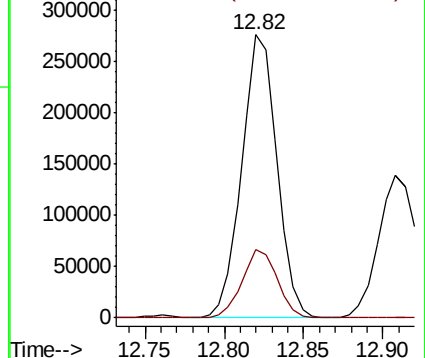
91 100

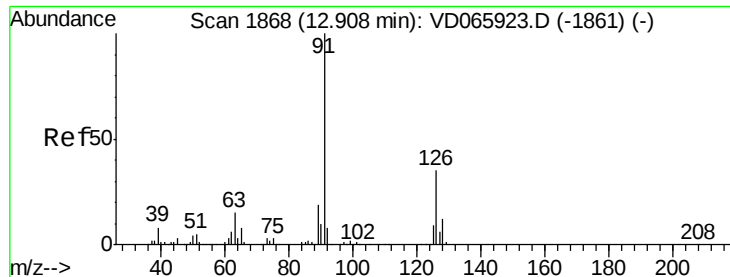
120 24.1 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.752 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

Instrument :

MSVOA_D

ClientSampleId :

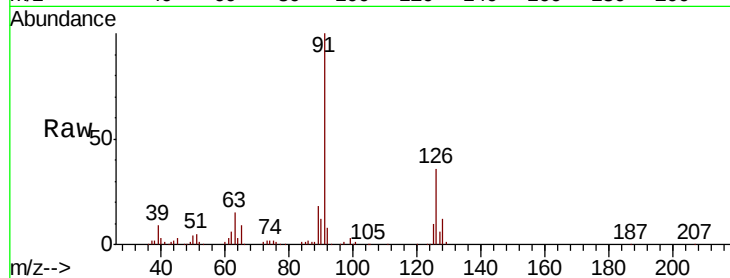
VD0716SBS01

Tot Ion: 91 Resp: 234261

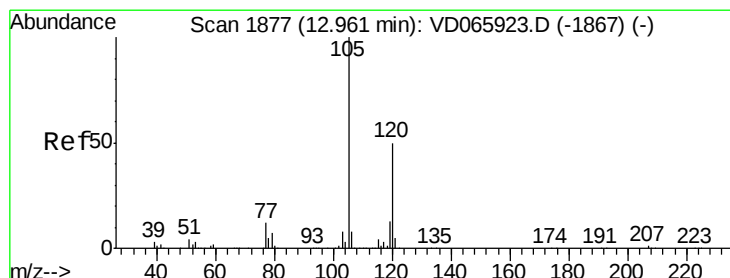
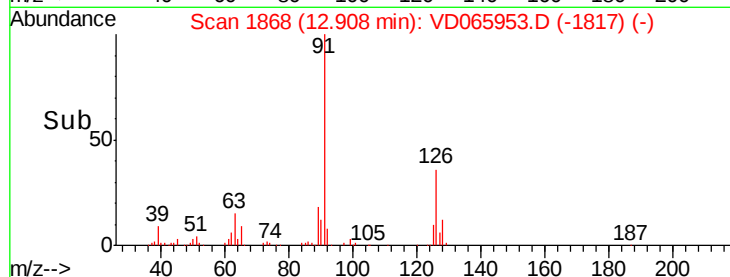
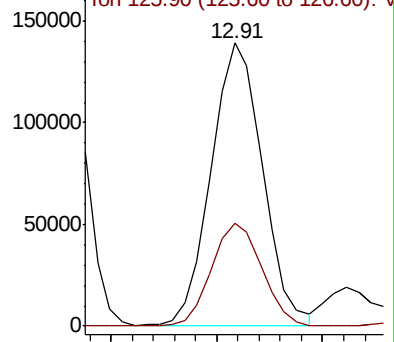
Ion Ratio Lower Upper

91 100

126 35.9 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 20.753 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD065953.D

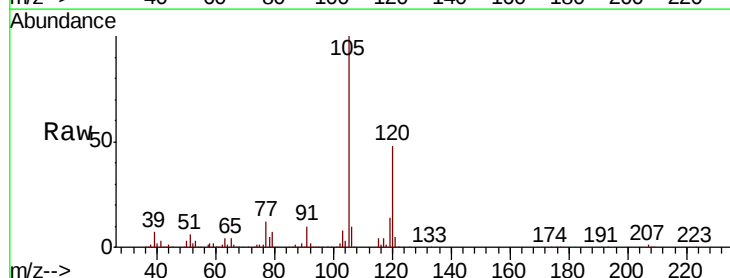
Acq: 16 Jul 2020 13:18

Tgt Ion:105 Resp: 302684

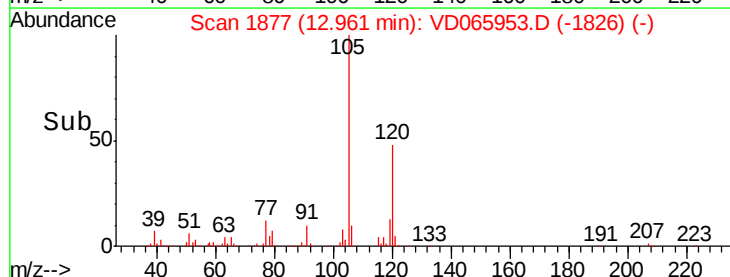
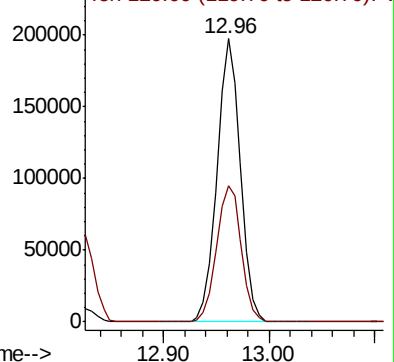
Ion Ratio Lower Upper

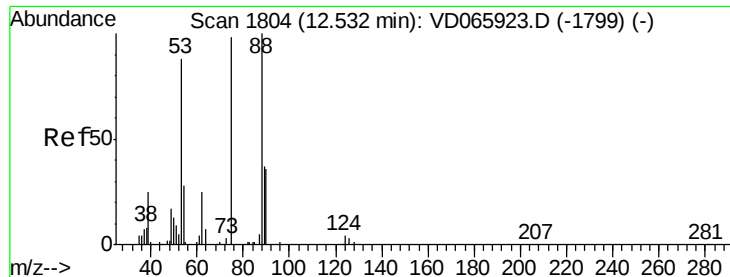
105 100

120 50.6 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.546 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBS01

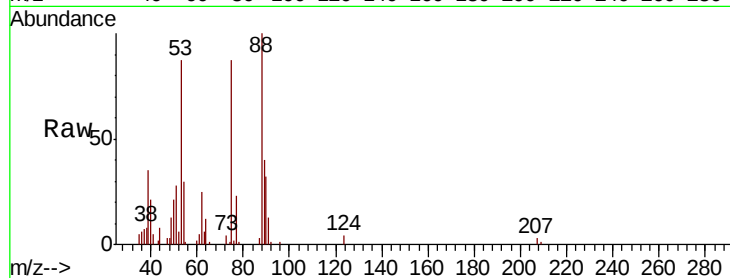
Tot Ion: 75 Resp: 18500

Ion Ratio Lower Upper

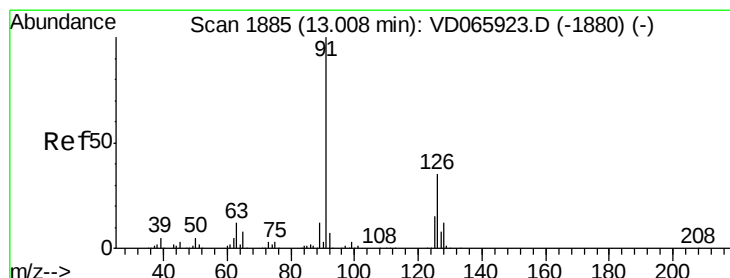
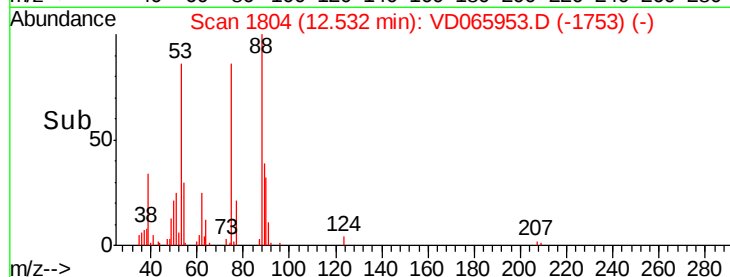
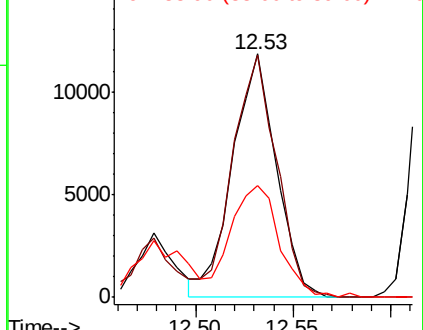
75 100

53 100.3 75.8 113.8

89 51.1 37.5 56.3



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 20.166 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD065953.D

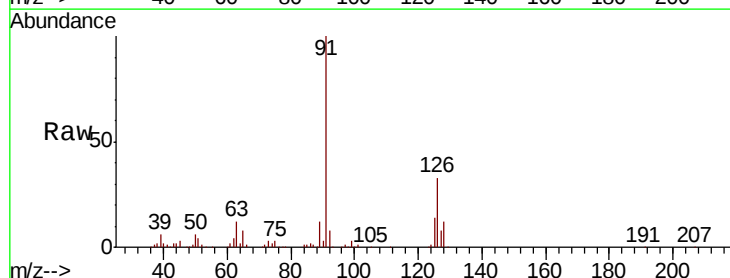
Acq: 16 Jul 2020 13:18

Tgt Ion: 91 Resp: 250933

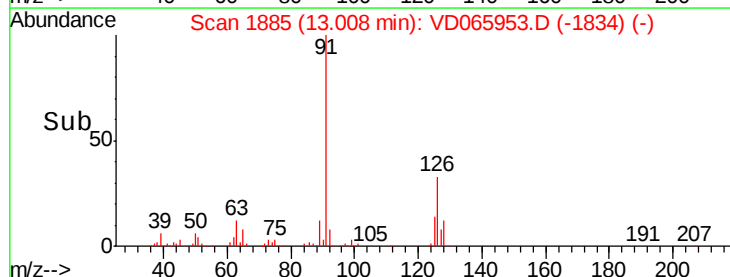
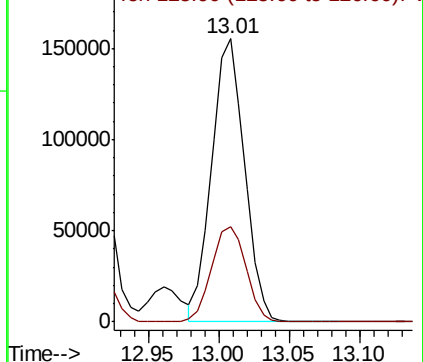
Ion Ratio Lower Upper

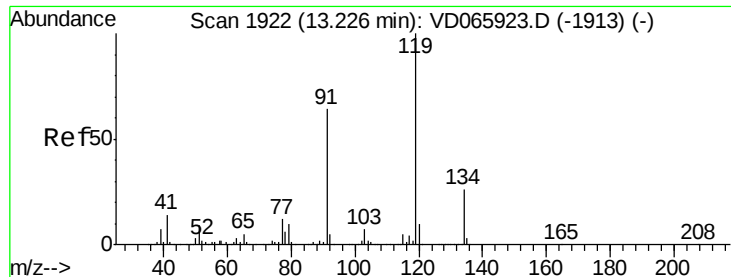
91 100

126 35.4 17.3 51.7



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

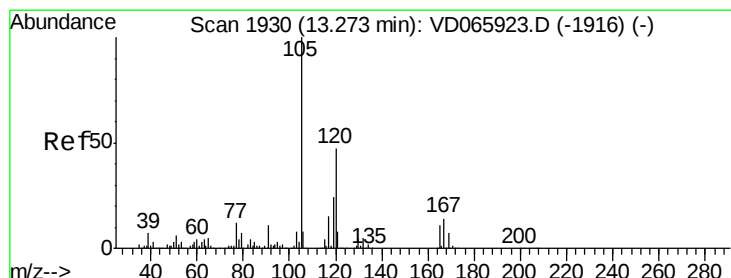
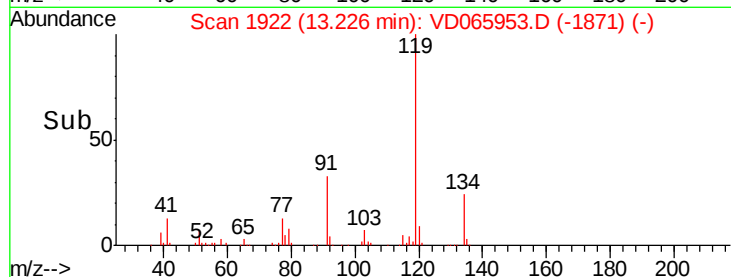
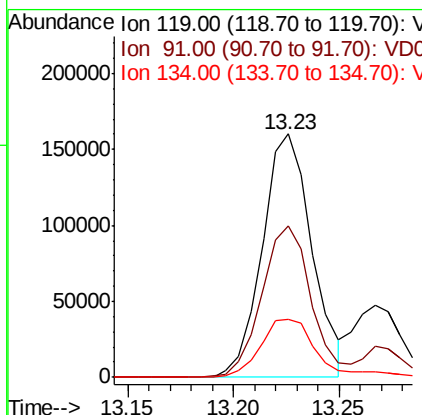
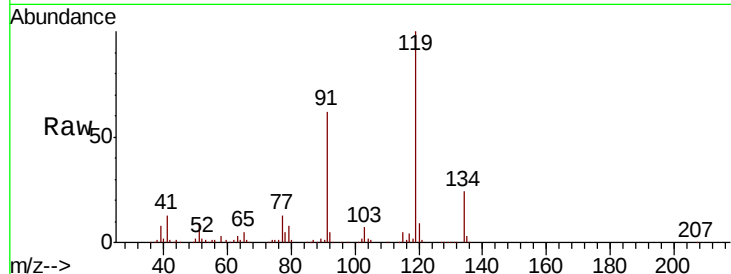




#83
 tert-Butylbenzene
 Concen: 21.069 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD065953.D
 Acq: 16 Jul 2020 13:18

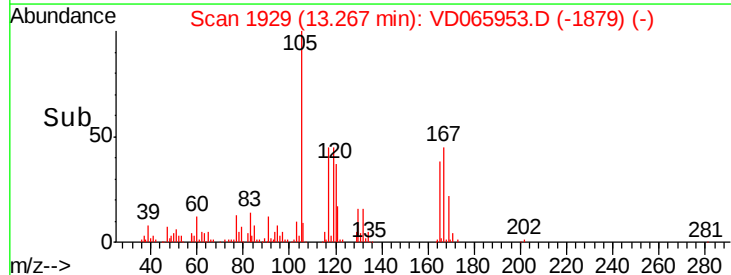
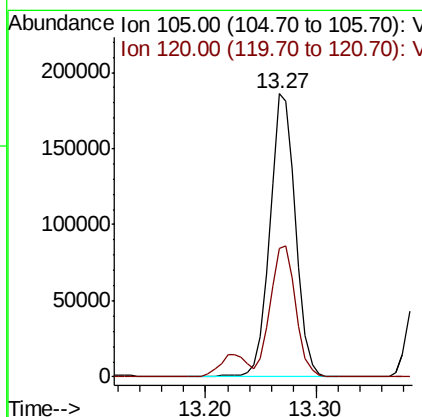
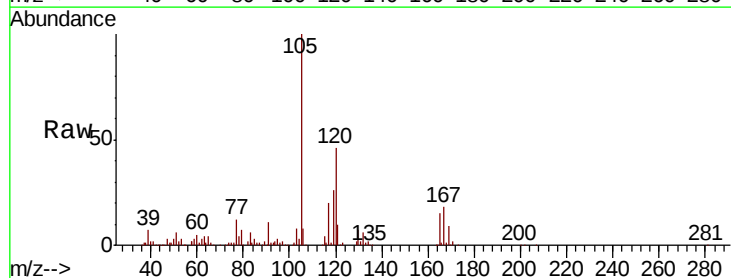
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0716SBS01

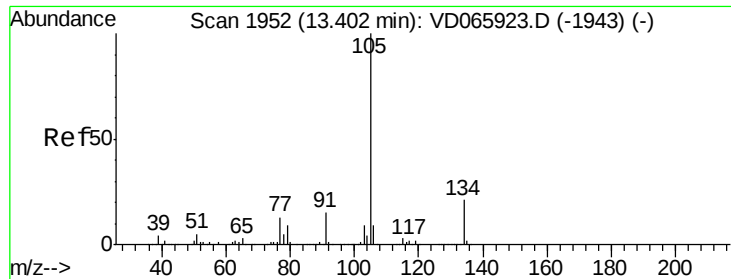
Tot Ion:119 Resp: 261802
 Ion Ratio Lower Upper
 119 100
 91 62.2 32.4 97.2
 134 27.4 14.1 42.4



#84
 1,2,4-Trimethylbenzene
 Concen: 20.669 ug/l
 RT: 13.27 min Scan# 1929
 Delta R.T. -0.01 min
 Lab File: VD065953.D
 Acq: 16 Jul 2020 13:18

Tgt Ion:105 Resp: 300078
 Ion Ratio Lower Upper
 105 100
 120 46.1 23.2 69.5





#85

sec-Butylbenzene

Concen: 20.648 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

Instrument :

MSVOA_D

ClientSampleId :

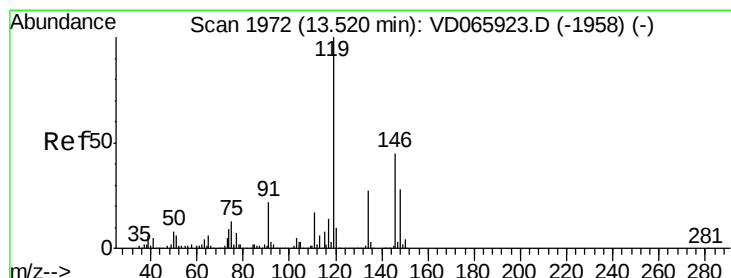
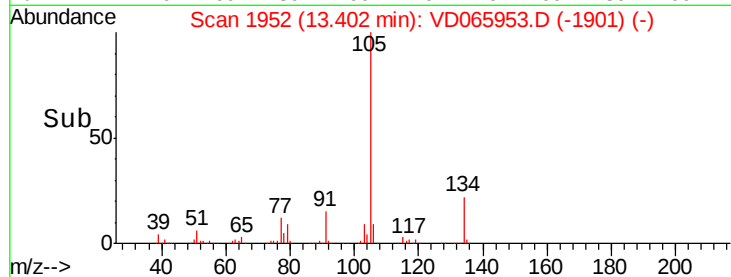
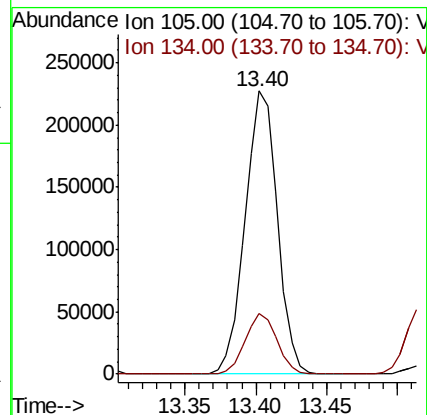
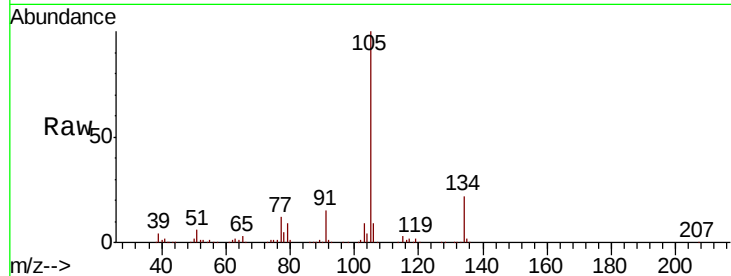
VD0716SBS01

Tot Ion:105 Resp: 363618

Ion Ratio Lower Upper

105 100

134 21.2 10.4 31.1



#86

p-Isopropyltoluene

Concen: 20.810 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

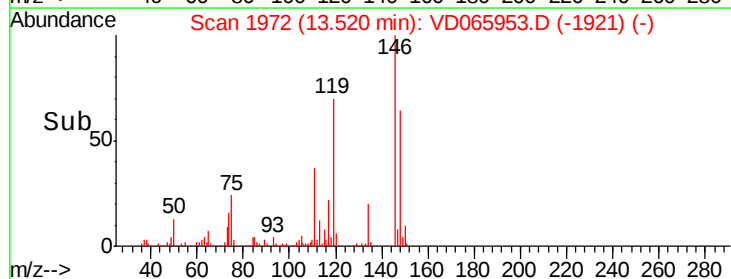
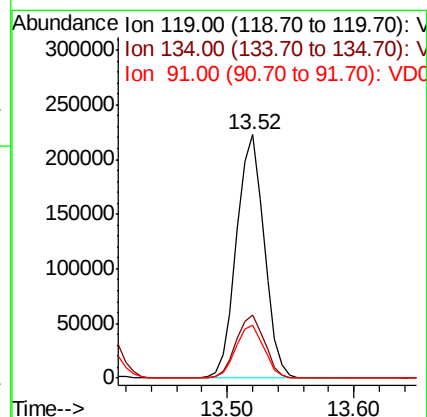
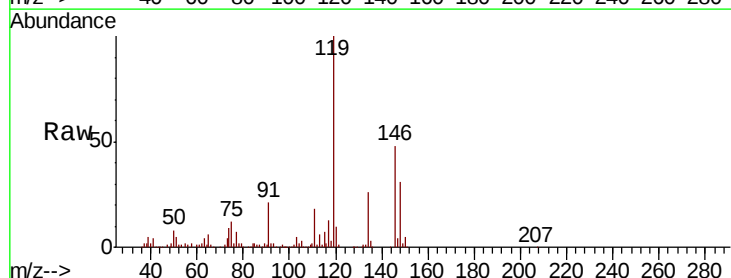
Tgt Ion:119 Resp: 335184

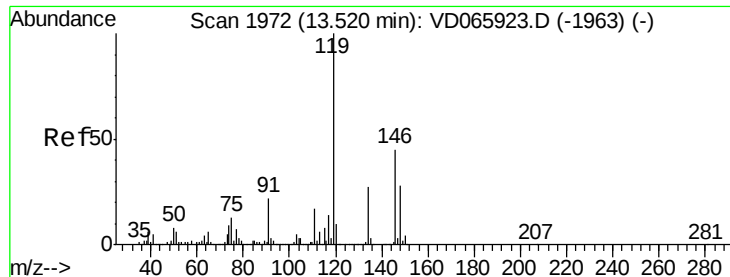
Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.1

91 22.2 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 21.292 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBS01

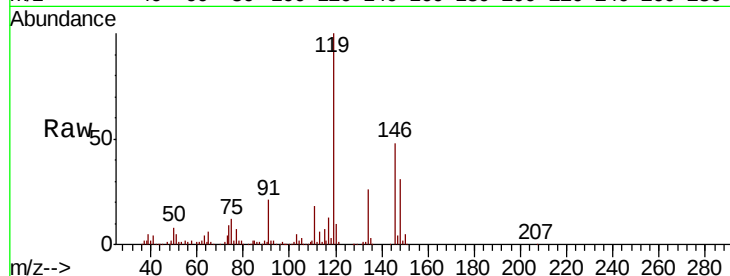
Tot Ion:146 Resp: 172314

Ion Ratio Lower Upper

146 100

111 37.6 19.3 57.8

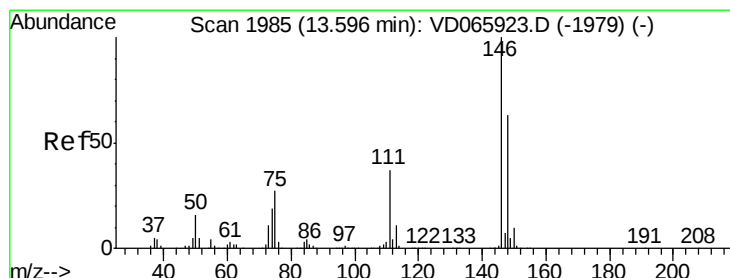
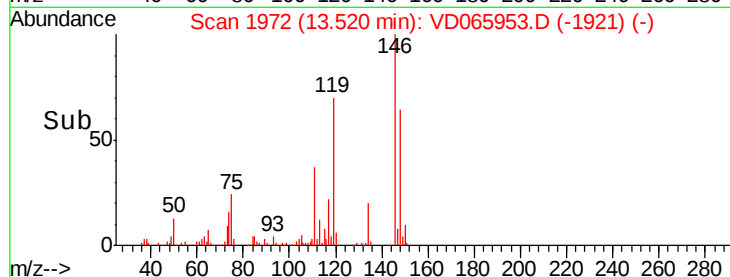
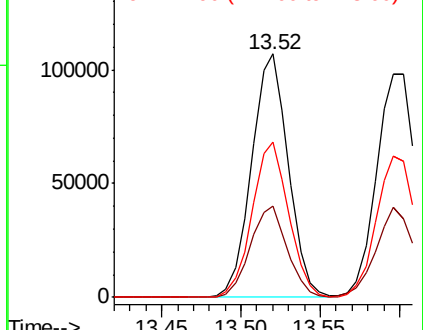
148 63.5 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.817 ug/l

RT: 13.60 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

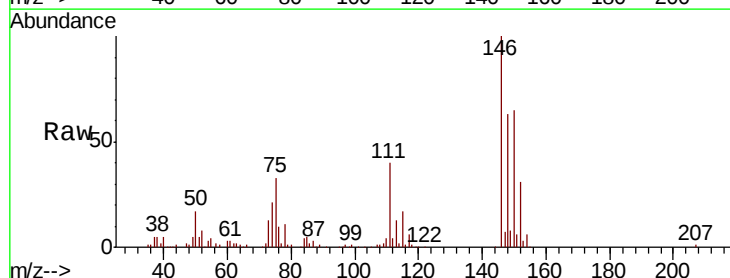
Tgt Ion:146 Resp: 168078

Ion Ratio Lower Upper

146 100

111 39.0 18.9 56.7

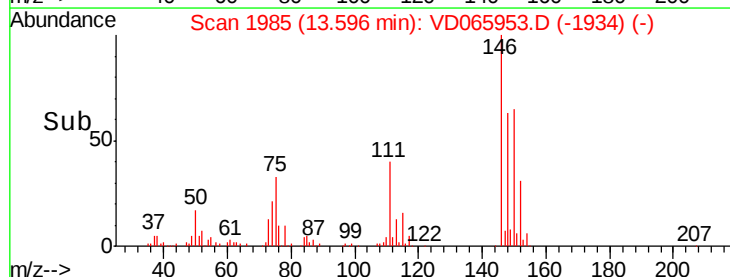
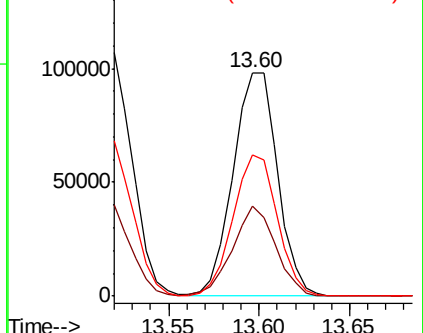
148 63.2 32.1 96.3

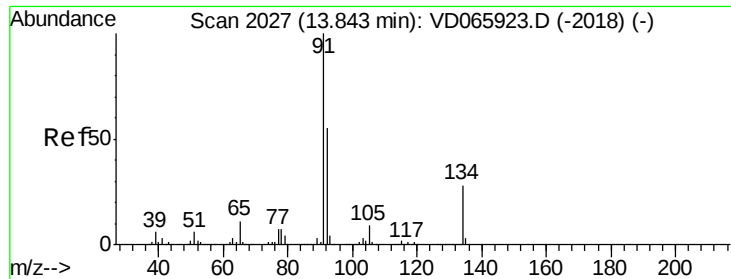


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

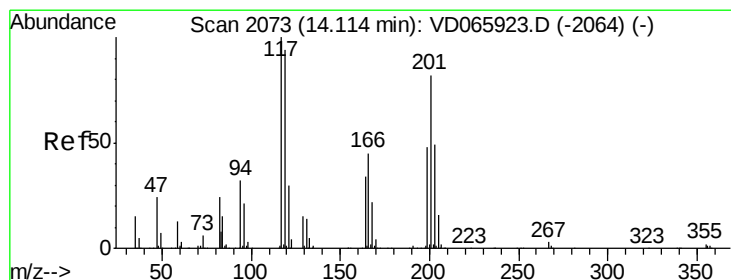
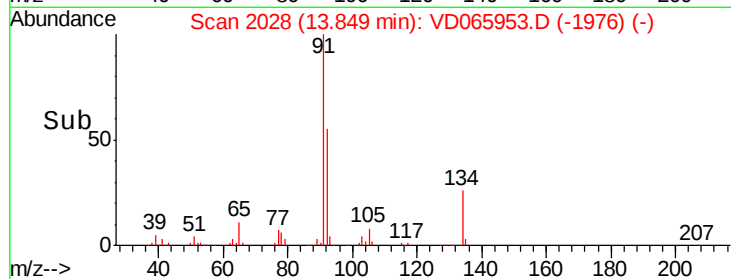
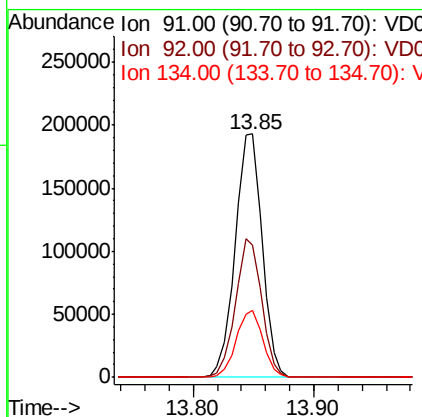
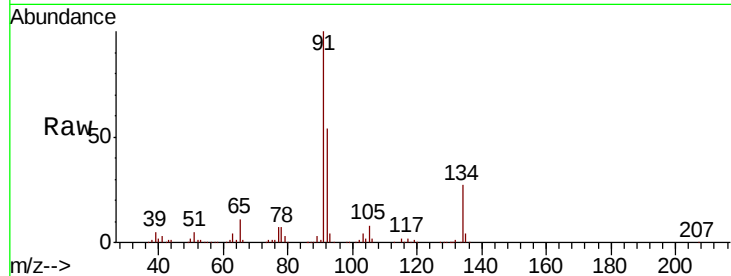




#89
n-Butylbenzene
Concen: 19.936 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD065953.D
Acq: 16 Jul 2020 13:18

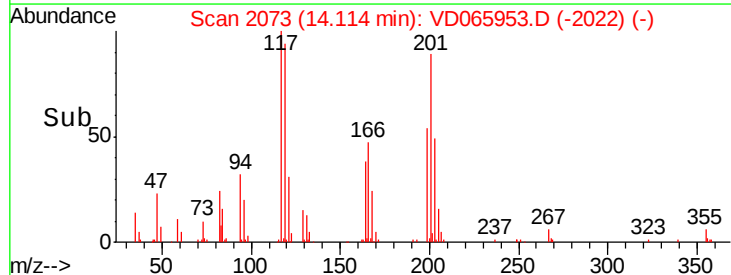
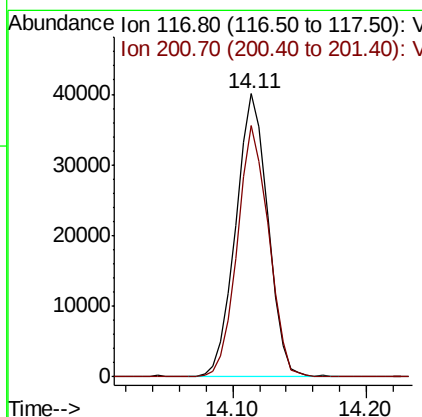
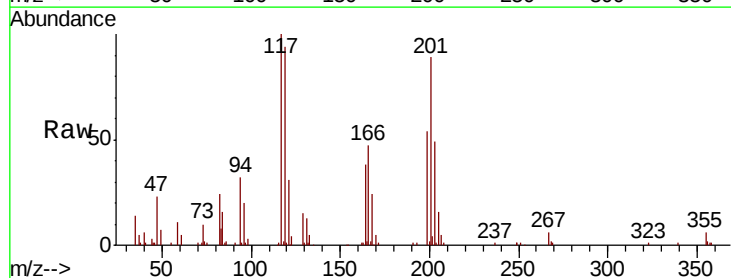
Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS01

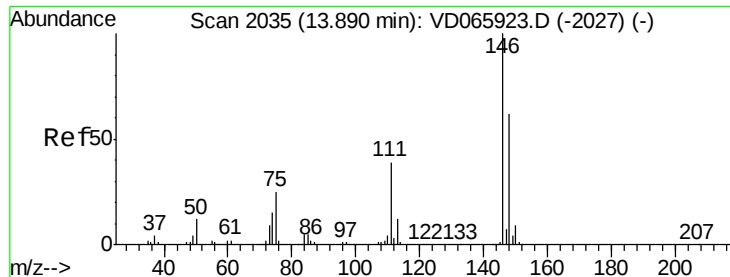
Tot Ion: 91 Resp: 301544
Ion Ratio Lower Upper
91 100
92 55.0 27.2 81.6
134 27.4 13.8 41.3



#90
Hexachloroethane
Concen: 20.593 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD065953.D
Acq: 16 Jul 2020 13:18

Tgt Ion: 117 Resp: 66888
Ion Ratio Lower Upper
117 100
201 86.3 40.0 120.0





#91

1,2-Dichlorobenzene

Concen: 20.271 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

Instrument :

MSVOA_D

ClientSampleId :

VD0716SBS01

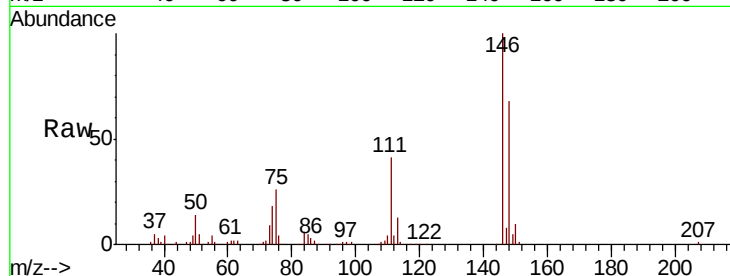
Tot Ion:146 Resp: 143383

Ion Ratio Lower Upper

146 100

111 40.2 19.7 59.0

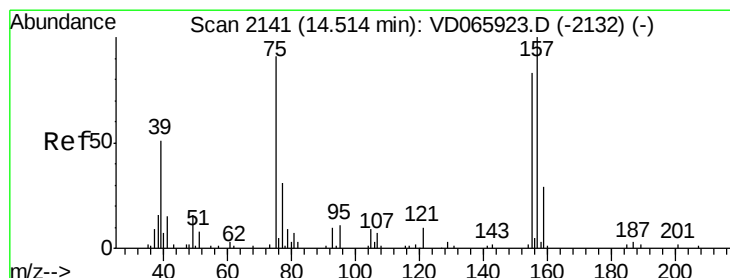
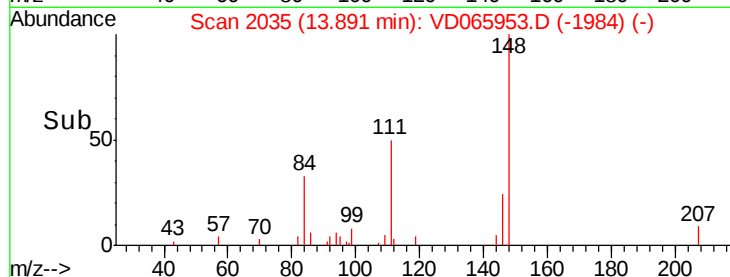
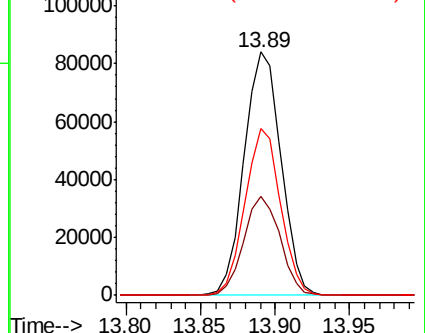
148 66.1 32.5 97.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.084 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. 0.00 min

Lab File: VD065953.D

Acq: 16 Jul 2020 13:18

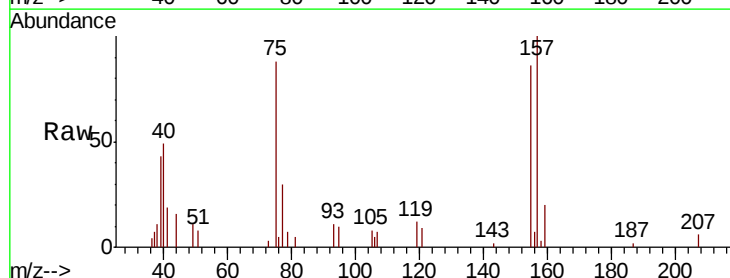
Tgt Ion: 75 Resp: 9447

Ion Ratio Lower Upper

75 100

155 94.2 45.3 135.8

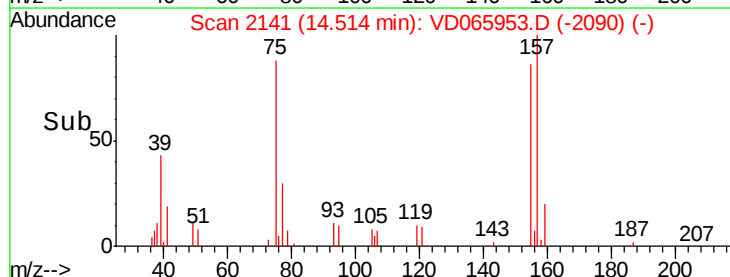
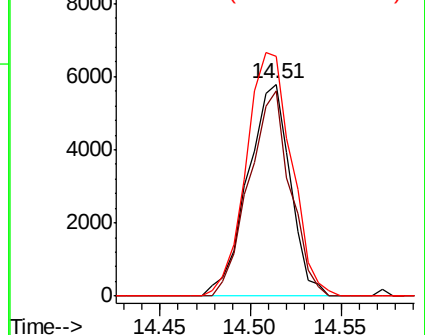
157 122.5 56.9 170.6

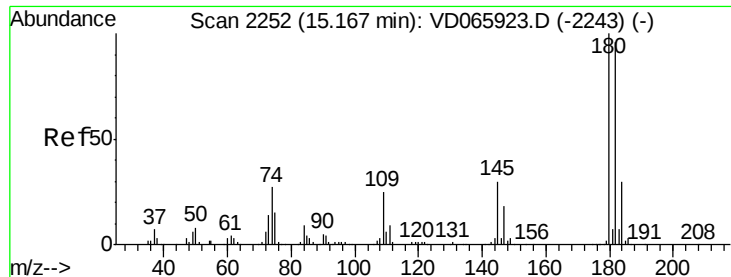


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

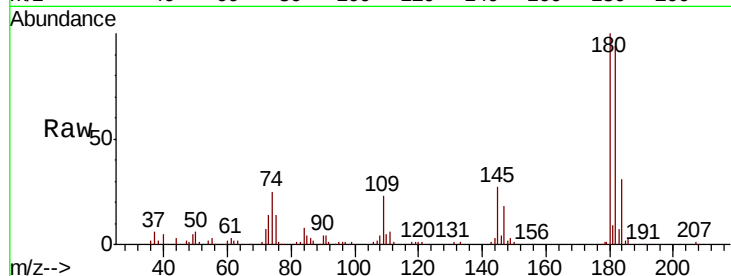




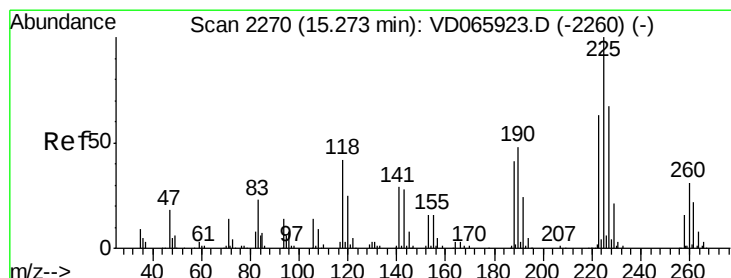
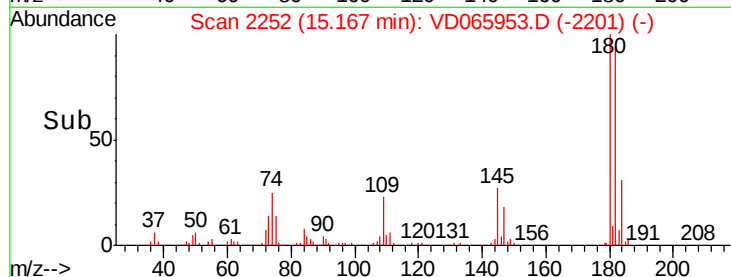
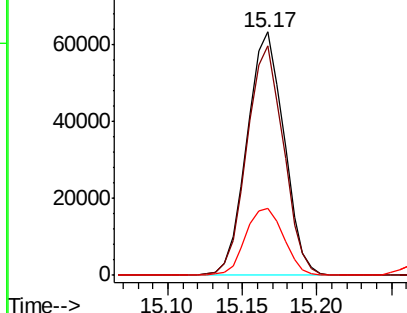
#93
 1,2,4-Trichlorobenzene
 Concen: 21.564 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD065953.D
 Acq: 16 Jul 2020 13:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0716SBS01

Tot Ion:180 Resp: 108708
 Ion Ratio Lower Upper
 180 100
 182 93.4 48.5 145.6
 145 28.5 15.0 45.1

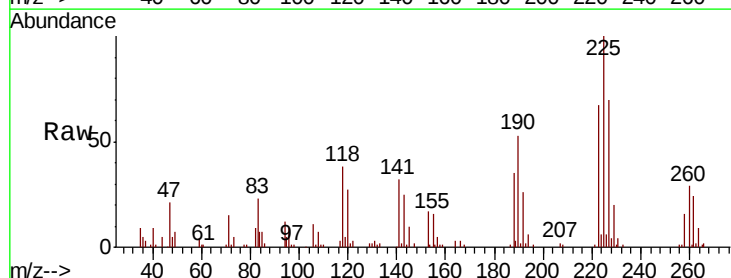


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

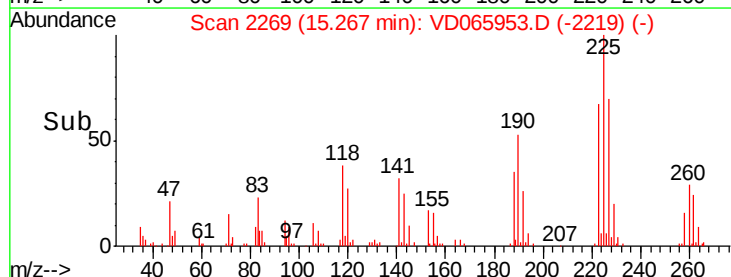
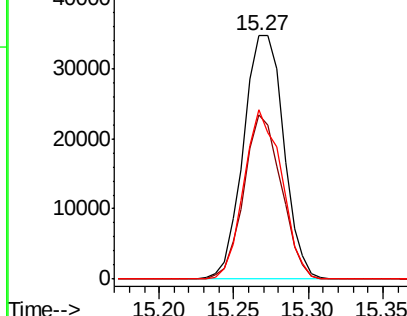


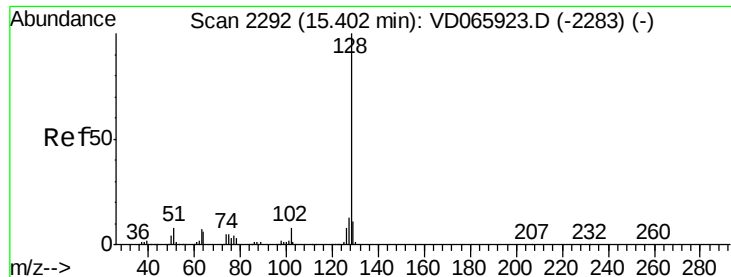
#94
 Hexachlorobutadiene
 Concen: 21.248 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.01 min
 Lab File: VD065953.D
 Acq: 16 Jul 2020 13:18

Tgt Ion:225 Resp: 64796
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.1 93.2
 227 65.5 31.6 95.0



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

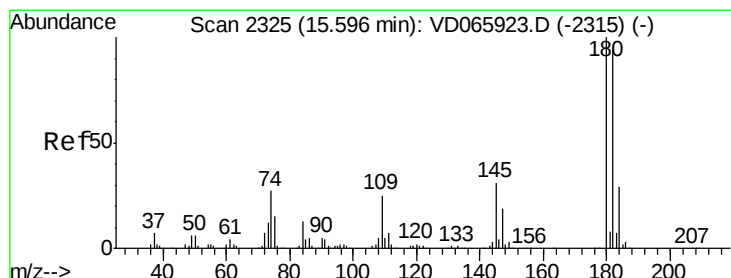
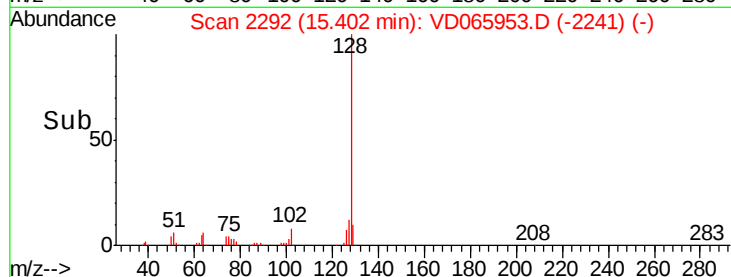
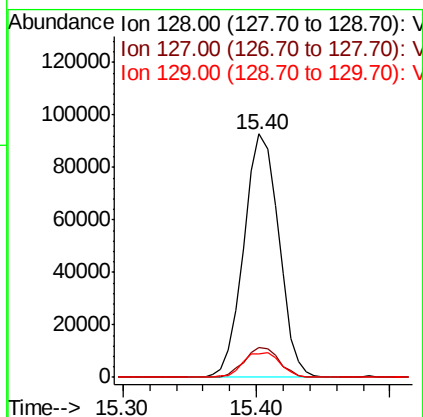
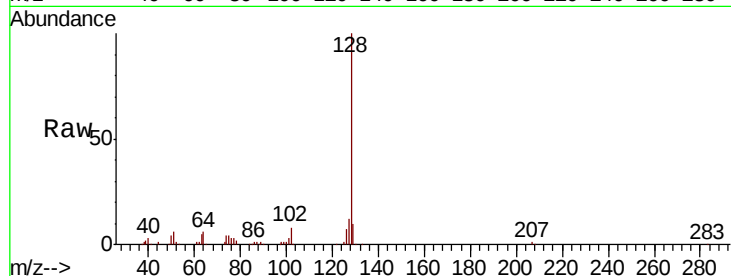




#95
Naphthalene
Concen: 19.905 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VD065953.D
Acq: 16 Jul 2020 13:18

Instrument :
MSVOA_D
ClientSampleId :
VD0716SBS01

Tot Ion:128 Resp: 168297
Ion Ratio Lower Upper
128 100
127 12.4 10.8 16.2
129 10.8 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 21.464 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VD065953.D
Acq: 16 Jul 2020 13:18

Tgt Ion:180 Resp: 93334
Ion Ratio Lower Upper
180 100
182 94.5 47.6 142.8
145 29.8 16.1 48.2

