

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062220\
 Data File : VD065849.D
 Acq On : 22 Jun 2020 17:24
 Operator : VA/SY
 Sample : VD0622SBSD01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBSD01

Quant Time: Jun 23 06:55:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060520S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 05 13:07:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	181157	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	295027	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	272251	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	137610	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	98093	54.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.60%	
35) Dibromofluoromethane	7.91	113	96638	51.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.72%	
50) Toluene-d8	10.34	98	371991	53.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.06%	
62) 4-Bromofluorobenzene	12.64	95	125186	53.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	30914	23.262	ug/l	97
3) Chloromethane	2.21	50	56036	24.712	ug/l	99
4) Vinyl Chloride	2.35	62	64451	24.114	ug/l	99
5) Bromomethane	2.75	94	44366	23.736	ug/l	97
6) Chloroethane	2.92	64	44525	24.638	ug/l	95
7) Trichlorofluoromethane	3.27	101	68809	22.723	ug/l	98
8) Diethyl Ether	3.70	74	18359	23.060	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.09	101	41011	22.713	ug/l	97
10) Methyl Iodide	4.30	142	37394	21.267	ug/l	98
11) Tert butyl alcohol	5.20	59	15799	142.102	ug/l #	93
12) 1,1-Dichloroethene	4.07	96	36533	22.199	ug/l	97
13) Acrolein	3.92	56	7516	74.752	ug/l	88
14) Allyl chloride	4.71	41	62849	23.106	ug/l	99
15) Acrylonitrile	5.42	53	41864	115.776	ug/l	96
16) Acetone	4.16	43	37060	109.754	ug/l	90
17) Carbon Disulfide	4.40	76	118239	21.406	ug/l	98
18) Methyl Acetate	4.71	43	20333	24.871	ug/l	96
19) Methyl tert-butyl Ether	5.47	73	83769	22.472	ug/l	99
20) Methylene Chloride	4.97	84	46637	23.663	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	43902	22.779	ug/l	98
22) Diisopropyl ether	6.36	45	126284	22.978	ug/l	96
23) Vinyl Acetate	6.31	43	358303	115.452	ug/l	95
24) 1,1-Dichloroethane	6.26	63	75658	22.593	ug/l	97
25) 2-Butanone	7.21	43	52454	112.481	ug/l	91
26) 2,2-Dichloropropane	7.21	77	66491	22.394	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	46746	22.547	ug/l	96
28) Bromochloromethane	7.54	49	28867	22.320	ug/l	98
29) Tetrahydrofuran	7.57	42	34433	116.828	ug/l	95
30) Chloroform	7.71	83	80094	23.076	ug/l	92
31) Cyclohexane	7.99	56	71978	22.421	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	71405	22.373	ug/l	97
36) 1,1-Dichloropropene	8.11	75	61922	21.910	ug/l	100
37) Ethyl Acetate	7.29	43	22161	19.908	ug/l #	94
38) Carbon Tetrachloride	8.10	117	63683	21.411	ug/l	99

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 Sample : VD0622SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0622SBS01

Quant Time: Jun 23 06:55:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060520S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 05 13:07:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	70020	20.926	ug/l	96
40) Benzene	8.35	78	169474	21.935	ug/l	99
41) Methacrylonitrile	7.53	41	14162	21.366	ug/l	92
42) 1,2-Dichloroethane	8.43	62	51018	21.885	ug/l	99
43) Isopropyl Acetate	8.46	43	47650	21.526	ug/l	99
44) Trichloroethene	9.11	130	46380	21.571	ug/l	96
45) 1,2-Dichloropropane	9.39	63	41912	21.589	ug/l	95
46) Dibromomethane	9.48	93	22420	21.294	ug/l	94
47) Bromodichloromethane	9.67	83	59885	21.225	ug/l	94
48) Methyl methacrylate	9.46	41	21525	20.089	ug/l	91
49) 1,4-Dioxane	9.46	88	5043	450.003	ug/l	88
51) 4-Methyl-2-Pentanone	10.23	43	120503	111.095	ug/l	98
52) Toluene	10.41	92	110267	21.965	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	56856	22.254	ug/l	93
54) cis-1,3-Dichloropropene	10.09	75	66562	22.059	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	30744	21.854	ug/l	96
56) Ethyl methacrylate	10.66	69	35389	21.387	ug/l	97
57) 1,3-Dichloropropane	10.95	76	52596	21.580	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	87353	113.549	ug/l	98
59) 2-Hexanone	10.98	43	81610	111.598	ug/l	99
60) Dibromochloromethane	11.14	129	40731	21.432	ug/l	95
61) 1,2-Dibromoethane	11.25	107	28558	20.656	ug/l	98
64) Tetrachloroethene	10.88	164	38639	20.988	ug/l	96
65) Chlorobenzene	11.67	112	113353	21.327	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.74	131	42682	21.544	ug/l	99
67) Ethyl Benzene	11.75	91	205161	21.608	ug/l	95
68) m/p-Xylenes	11.86	106	159822	43.700	ug/l	99
69) o-Xylene	12.18	106	71181	21.586	ug/l	97
70) Styrene	12.20	104	127228	22.288	ug/l	100
71) Bromoform	12.36	173	22982	21.065	ug/l #	97
73) Isopropylbenzene	12.48	105	196866	21.338	ug/l	100
74) N-amyl acetate	12.29	43	44730	21.792	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	34413	22.086	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	43758	40.887	ug/l #	100
77) Bromobenzene	12.77	156	47187	21.616	ug/l	98
78) n-propylbenzene	12.83	91	244313	21.999	ug/l	100
79) 2-Chlorotoluene	12.91	91	133963	21.988	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	167692	21.841	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	11233	22.678	ug/l	96
82) 4-Chlorotoluene	13.01	91	144196	22.050	ug/l	98
83) tert-Butylbenzene	13.23	119	143801	21.586	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	167277	21.767	ug/l	100
85) sec-Butylbenzene	13.41	105	205208	22.134	ug/l	98
86) p-Isopropyltoluene	13.52	119	184592	21.723	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	93817	21.797	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	91631	21.401	ug/l	99
89) n-Butylbenzene	13.85	91	176557	21.785	ug/l	98
90) Hexachloroethane	14.11	117	36626	21.533	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	81286	21.944	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5262	20.292	ug/l	95

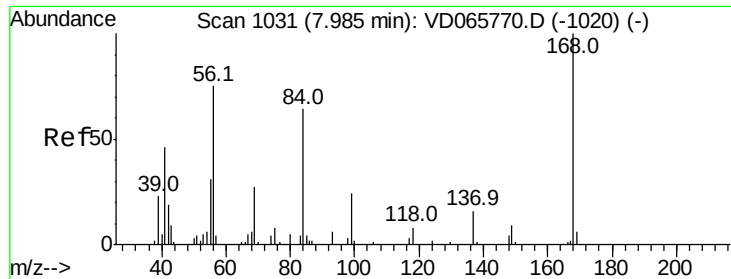
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062220\
Data File : VD065849.D
Acq On : 22 Jun 2020 17:24
Operator : VA/SY
Sample : VD0622SBSD01
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MSVOA_D
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D060520S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 05 13:07:30 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	51912	20.611	ug/l	99
94) Hexachlorobutadiene	15.27	225	29824	19.588	ug/l	99
95) Naphthalene	15.41	128	86853	20.358	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	43840	20.210	ug/l	99

(#) = 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. -0.01 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

Instrument :

MSVOA_D

ClientSampleId :

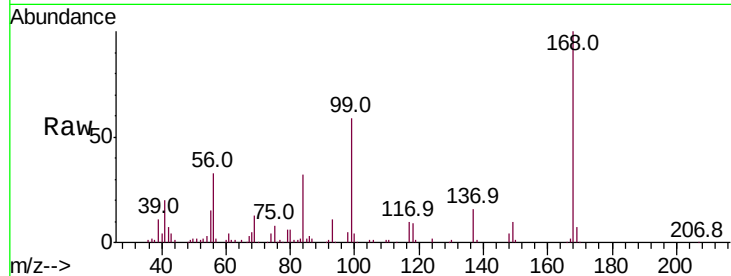
VD0622SBSD01

Tot Ion:168 Resp: 181157

Ion Ratio Lower Upper

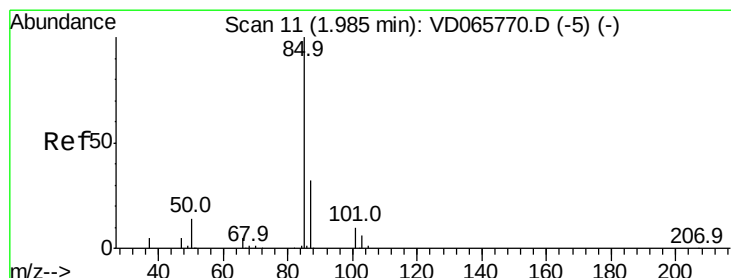
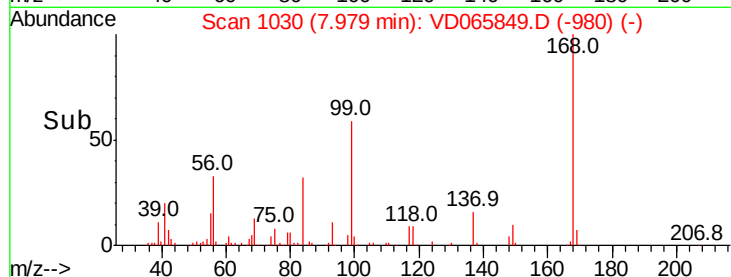
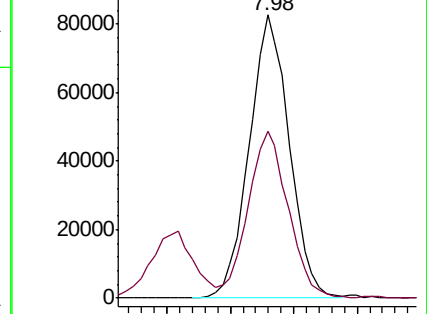
168 100

99 58.5 45.3 67.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 23.262 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065849.D

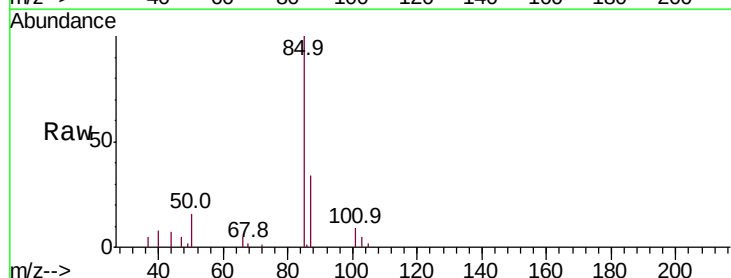
Acq: 22 Jun 2020 17:24

Tgt Ion: 85 Resp: 30914

Ion Ratio Lower Upper

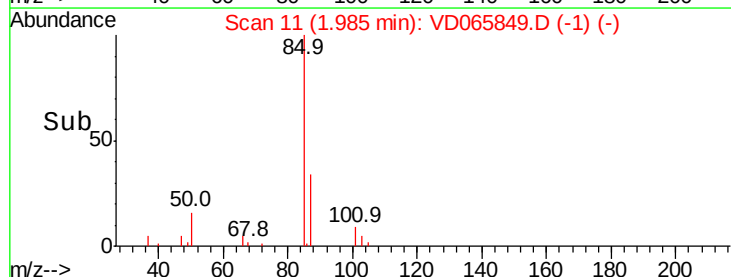
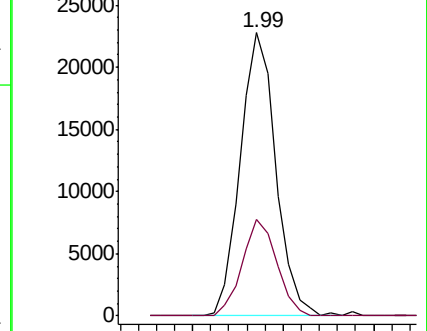
85 100

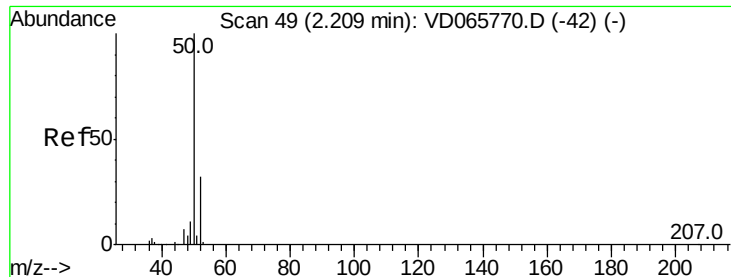
87 34.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

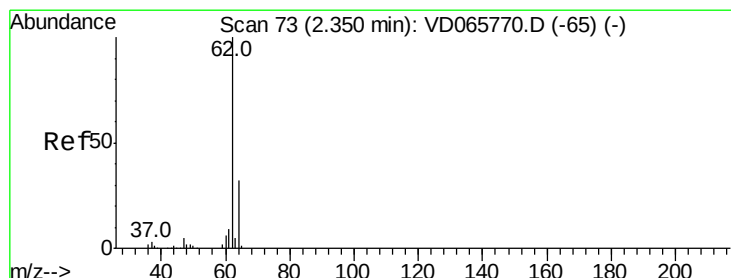
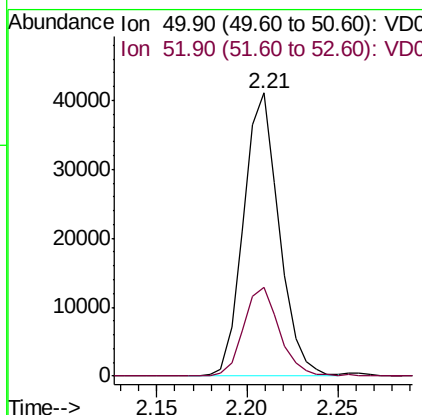
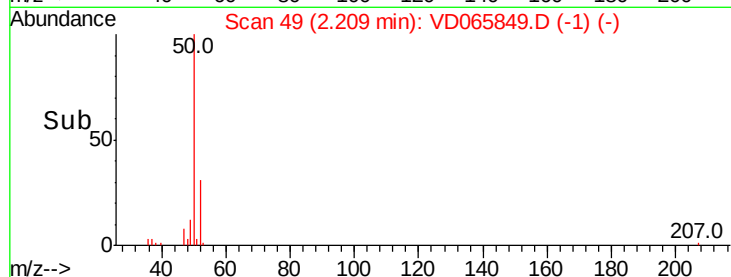
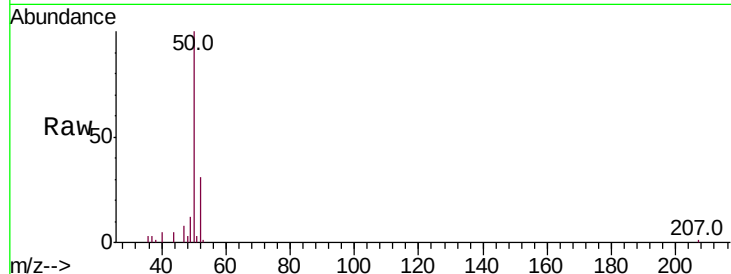




#3
Chloromethane
Concen: 24.712 ug/l
RT: 2.21 min Scan# 49
Delta R.T. 0.00 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

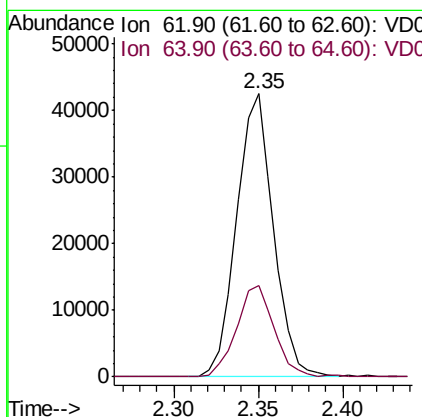
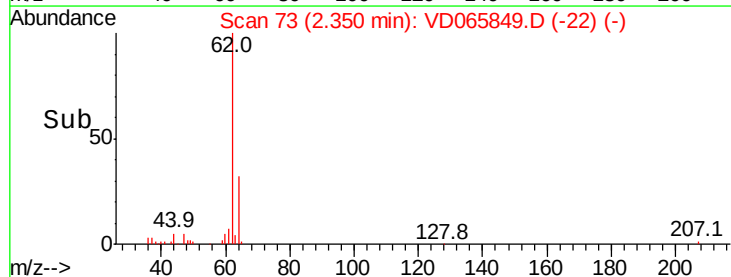
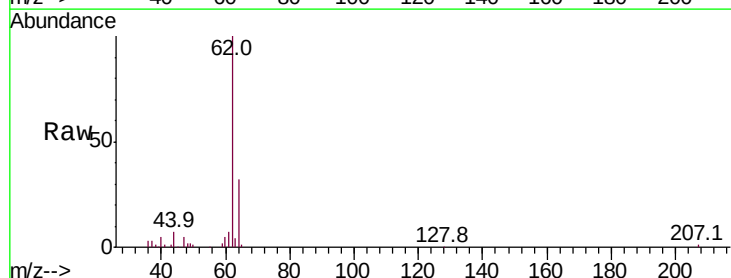
Instrument :
MSVOA_D
ClientSampleId :
VD0622SBSD01

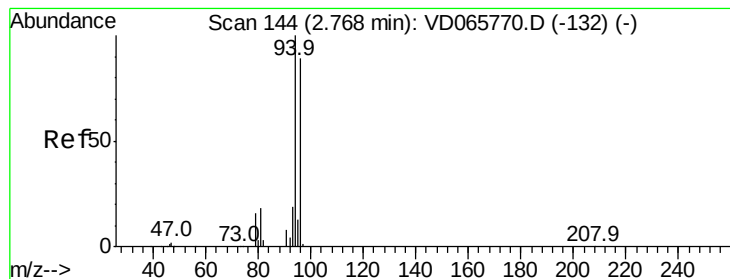
Tot Ion: 50 Resp: 56036
Ion Ratio Lower Upper
50 100
52 31.2 25.6 38.4



#4
Vinyl Chloride
Concen: 24.114 ug/l
RT: 2.35 min Scan# 73
Delta R.T. 0.00 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

Tgt Ion: 62 Resp: 64451
Ion Ratio Lower Upper
62 100
64 32.3 25.3 37.9





#5

Bromomethane

Concen: 23.736 ug/l

RT: 2.75 min Scan# 141

Delta R.T. -0.02 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

Instrument :

MSVOA_D

ClientSampleId :

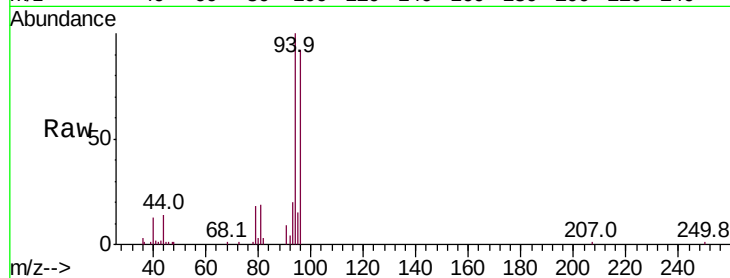
VD0622SBS01

Tot Ion: 94 Resp: 44366

Ion Ratio Lower Upper

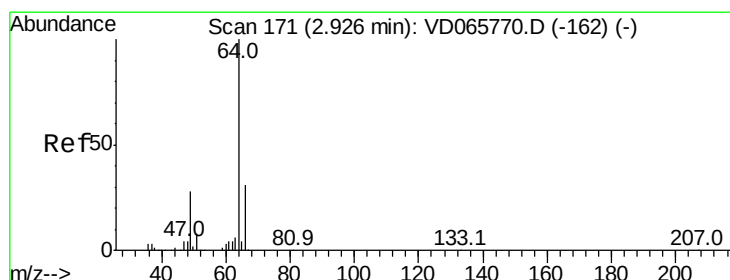
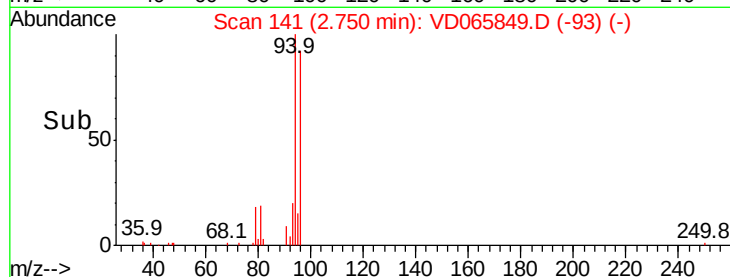
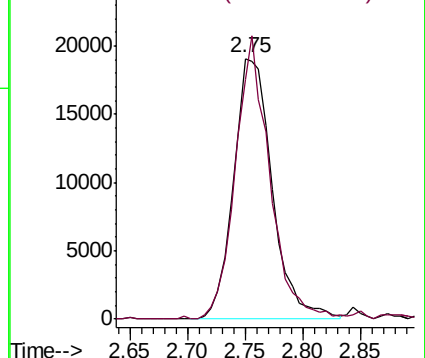
94 100

96 92.3 71.4 107.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 24.638 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065849.D

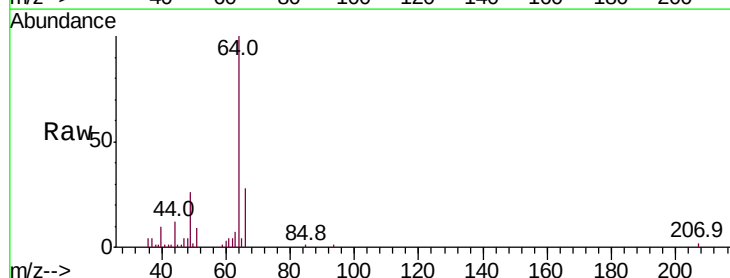
Acq: 22 Jun 2020 17:24

Tgt Ion: 64 Resp: 44525

Ion Ratio Lower Upper

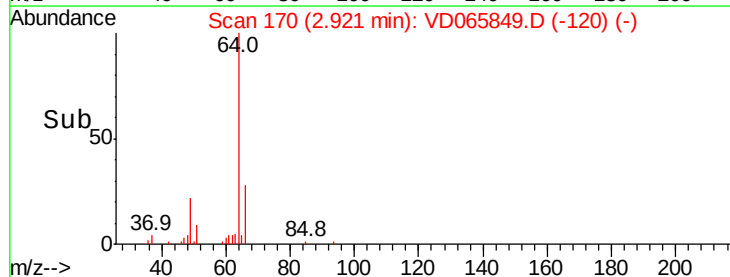
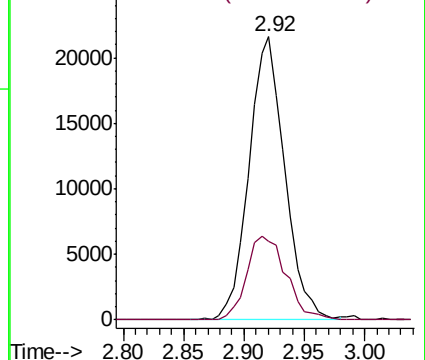
64 100

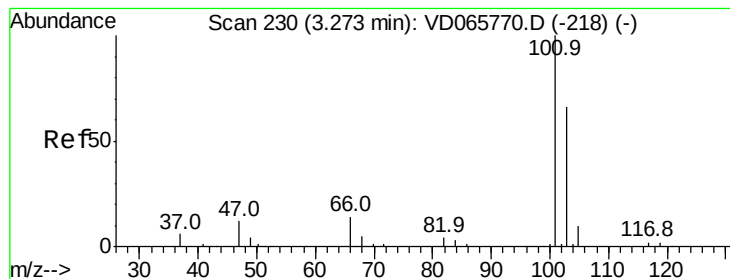
66 27.6 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



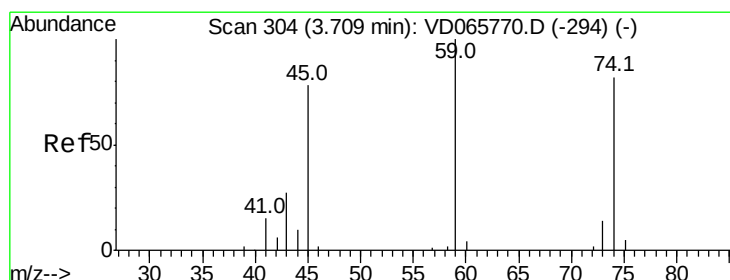
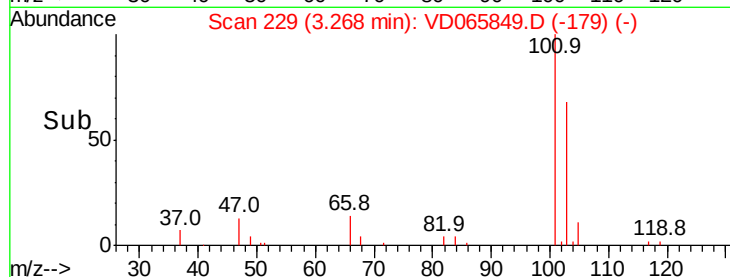
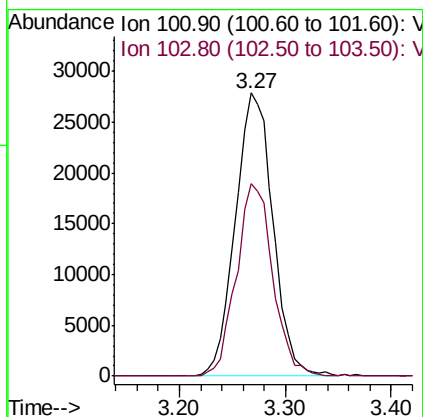
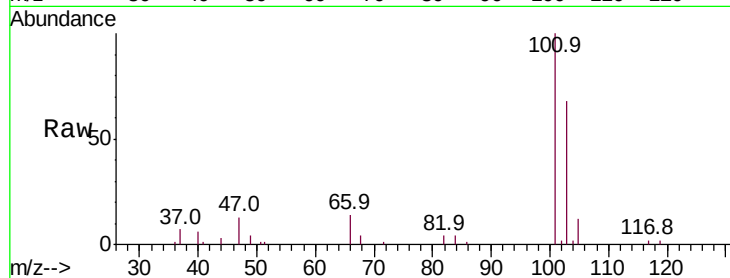


#7

Trichlorofluoromethane
Concen: 22.723 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

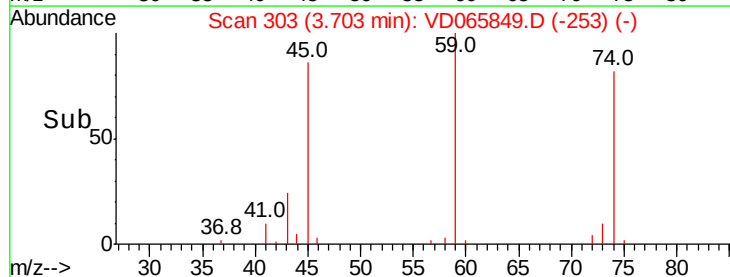
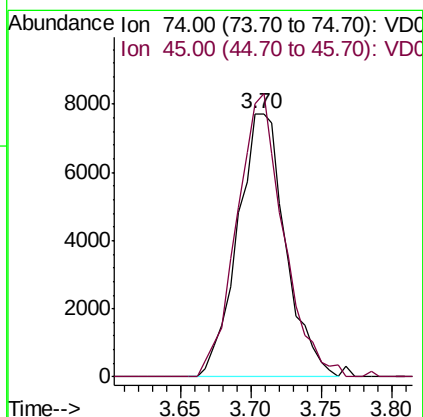
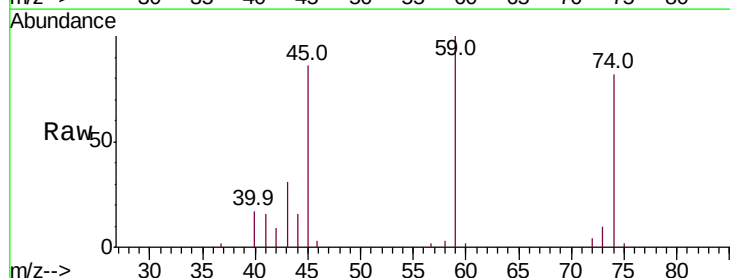
Tot Ion:101 Resp: 68809
Ion Ratio Lower Upper
101 100
103 68.1 53.1 79.7

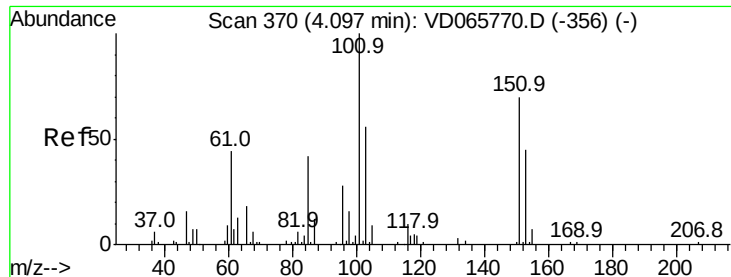


#8

Diethyl Ether
Concen: 23.060 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

Tgt Ion: 74 Resp: 18359
Ion Ratio Lower Upper
74 100
45 104.9 47.9 143.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.713 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBSD01

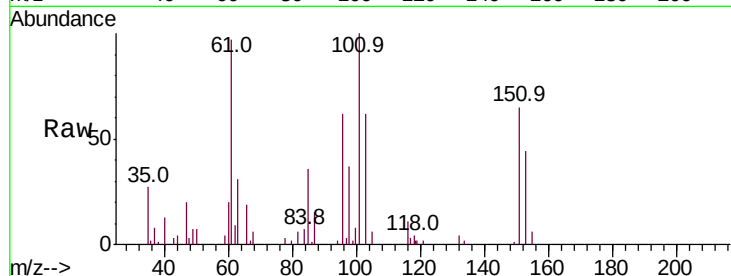
Tot Ion:101 Resp: 41011

Ion Ratio Lower Upper

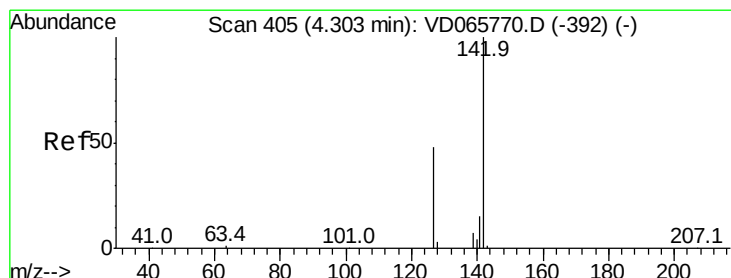
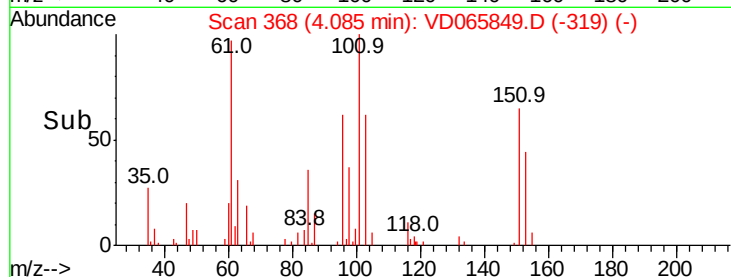
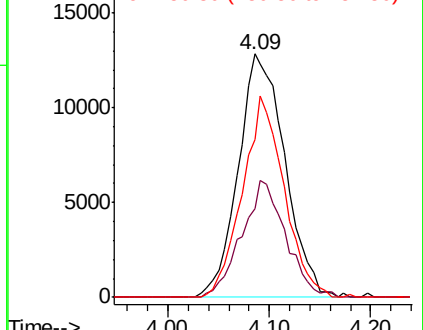
101 100

85 45.2 36.5 54.7

151 74.0 61.8 92.6



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: 21.267 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

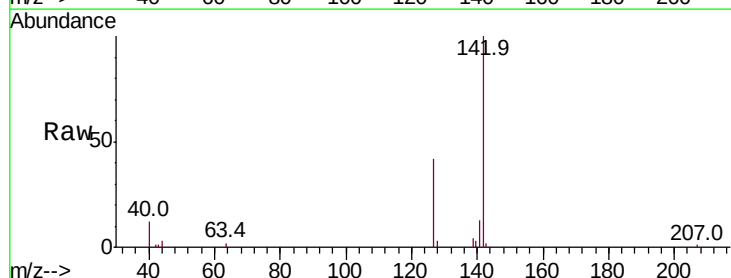
Tgt Ion:142 Resp: 37394

Ion Ratio Lower Upper

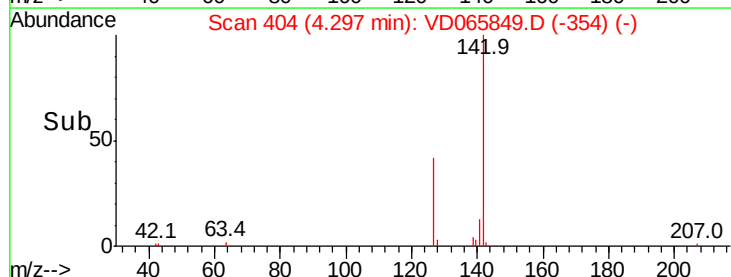
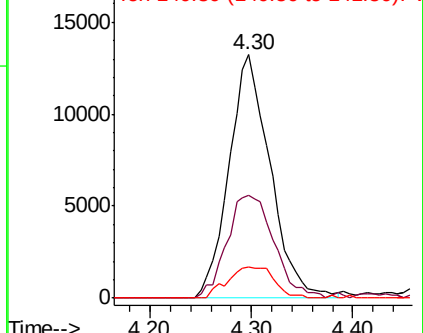
142 100

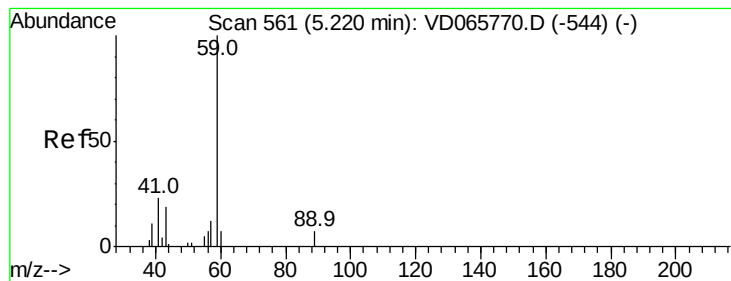
127 48.1 37.6 56.4

141 14.4 12.1 18.1



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



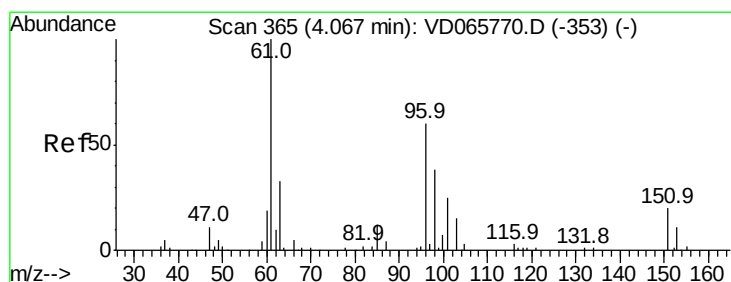
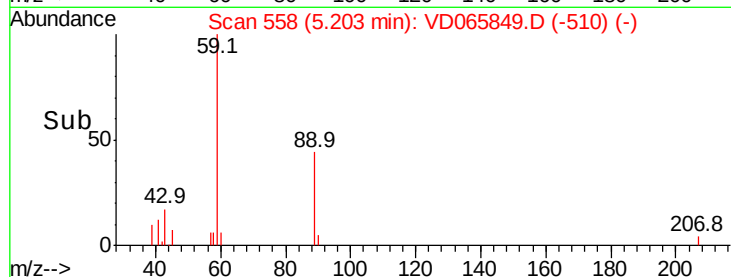
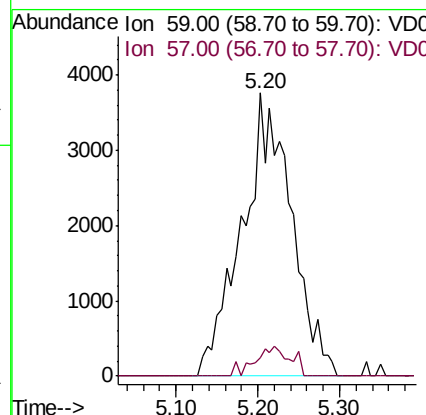
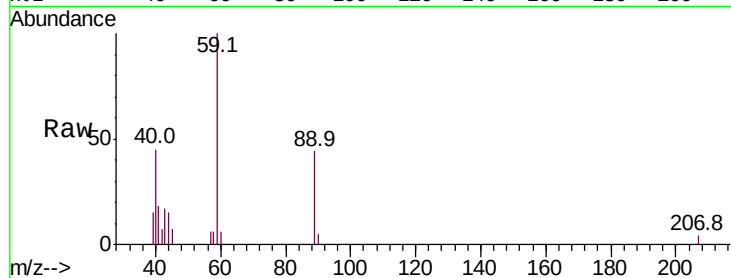


#11

Tert butyl alcohol
 Concen: 142.102 ug/l
 RT: 5.20 min Scan# 558
 Delta R.T. -0.02 min
 Lab File: VD065849.D
 Acq: 22 Jun 2020 17:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

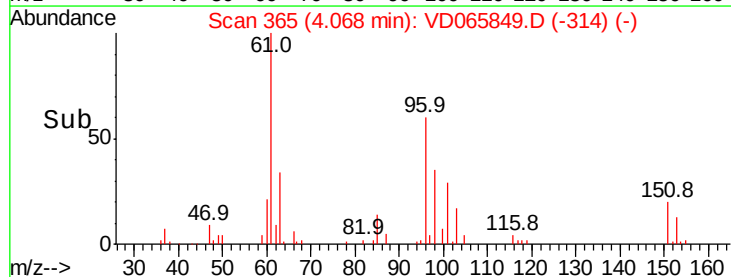
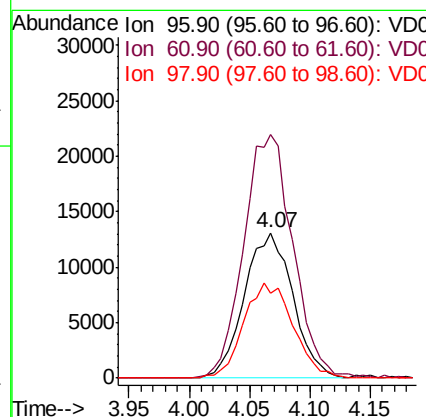
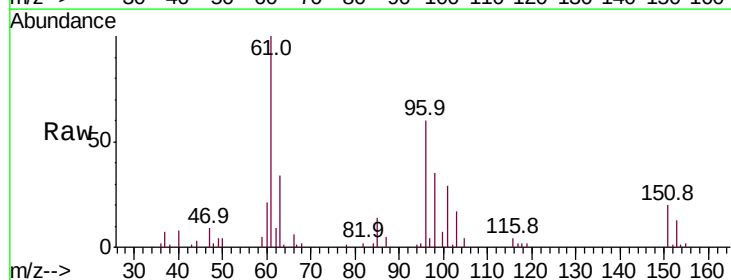
Tot Ion: 59 Resp: 15799
 Ion Ratio Lower Upper
 59 100
 57 7.0 7.5 11.3#

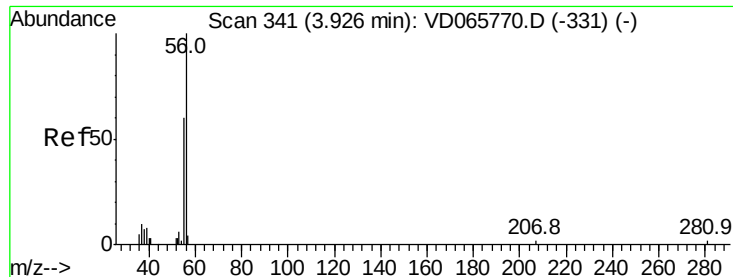


#12

1,1-Dichloroethene
 Concen: 22.199 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VD065849.D
 Acq: 22 Jun 2020 17:24

Tgt Ion: 96 Resp: 36533
 Ion Ratio Lower Upper
 96 100
 61 167.4 132.3 198.5
 98 58.3 50.7 76.1





#13

Acrolein

Concen: 74.752 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

Instrument :

MSVOA_D

ClientSampleId :

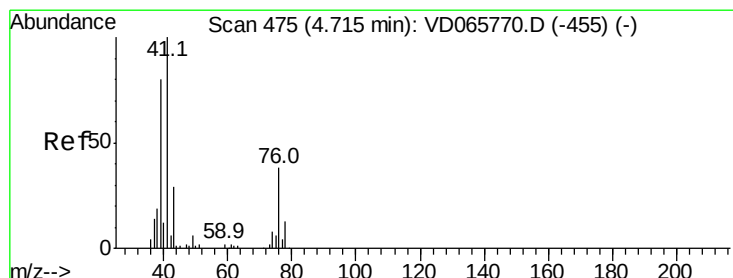
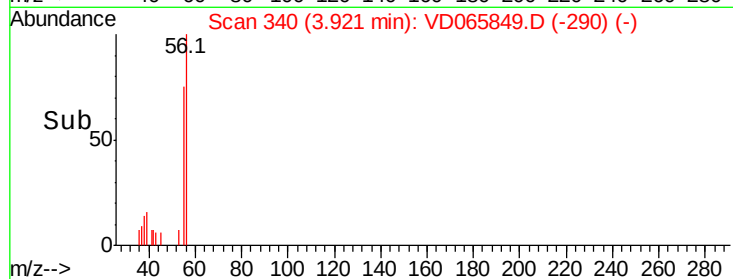
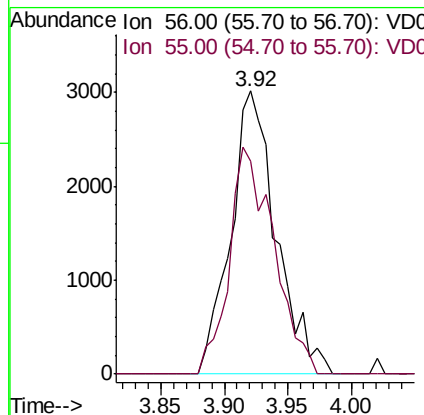
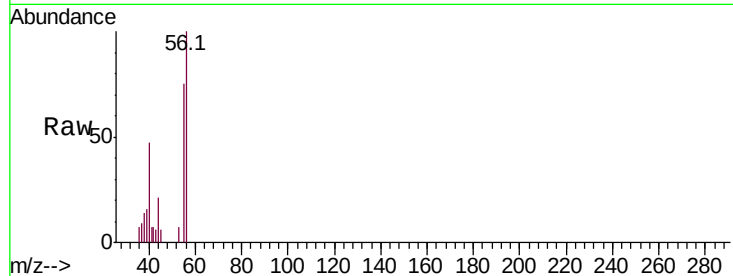
VD0622SBSD01

Tot Ion: 56 Resp: 7516

Ion Ratio Lower Upper

56 100

55 78.4 54.8 82.2



#14

Allyl chloride

Concen: 23.106 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

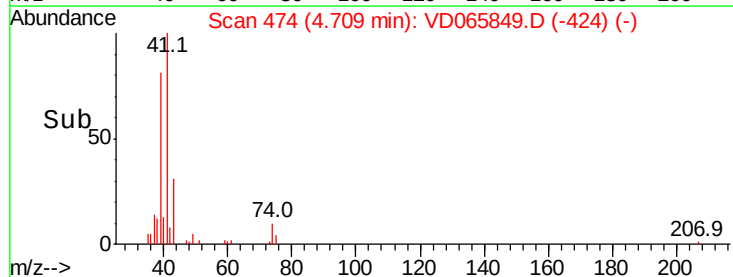
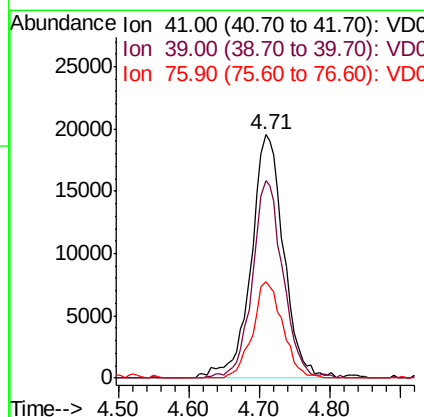
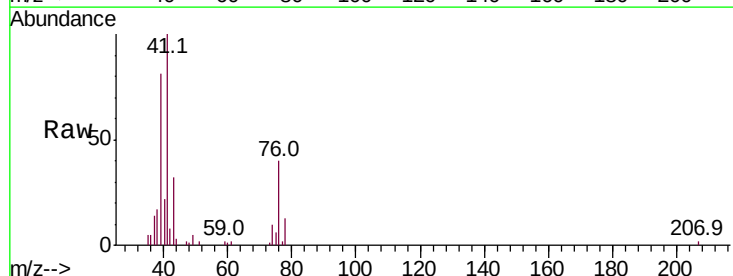
Tgt Ion: 41 Resp: 62849

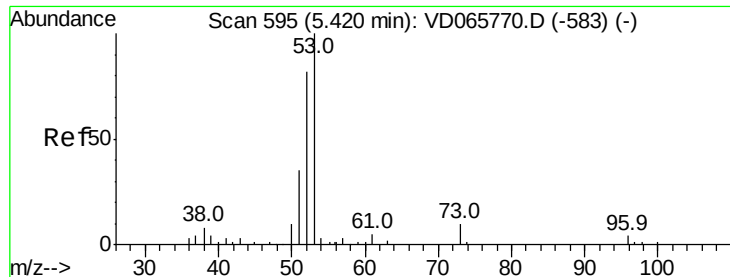
Ion Ratio Lower Upper

41 100

39 76.5 60.9 91.3

76 36.6 28.9 43.3





#15

Acrylonitrile

Concen: 115.776 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBSD01

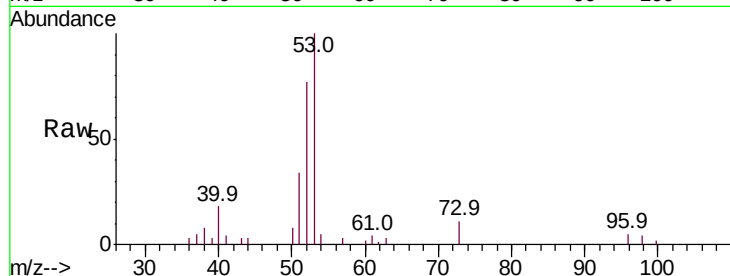
Tot Ion: 53 Resp: 41864

Ion Ratio Lower Upper

53 100

52 78.2 66.2 99.2

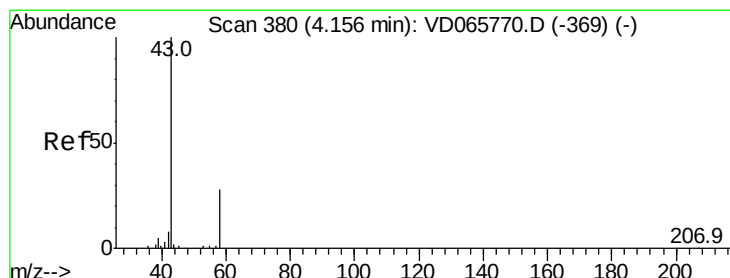
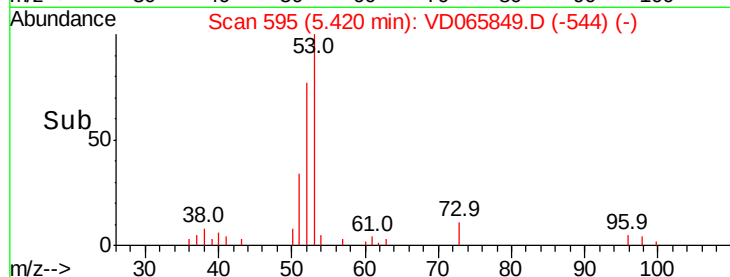
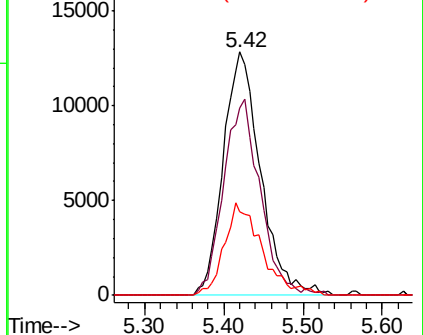
51 38.3 30.7 46.1



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: 109.754 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD065849.D

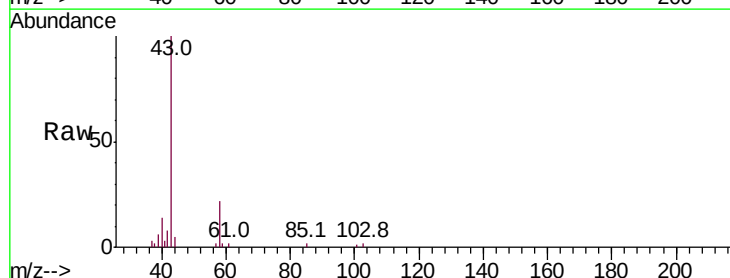
Acq: 22 Jun 2020 17:24

Tgt Ion: 43 Resp: 37060

Ion Ratio Lower Upper

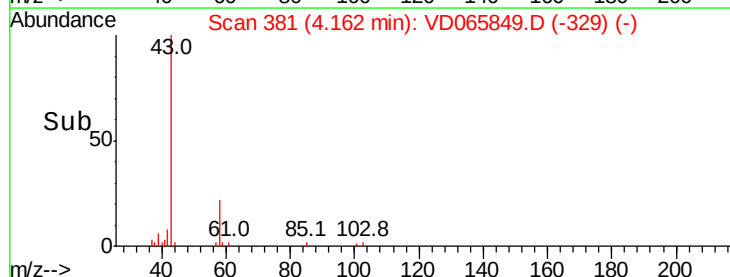
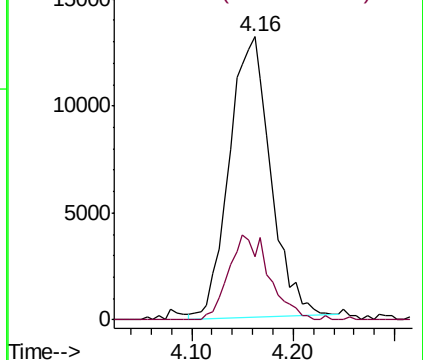
43 100

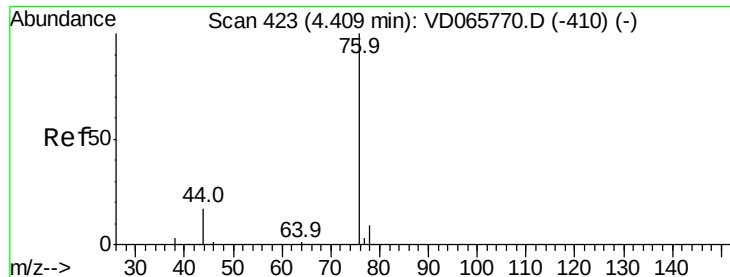
58 22.9 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

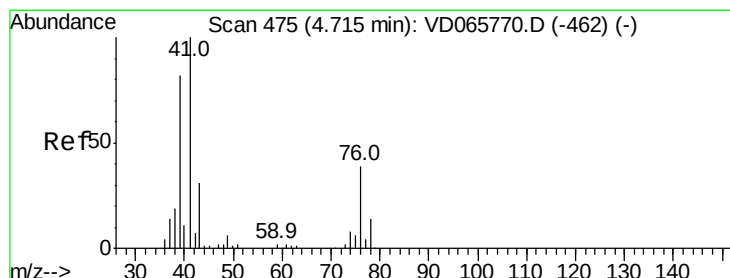
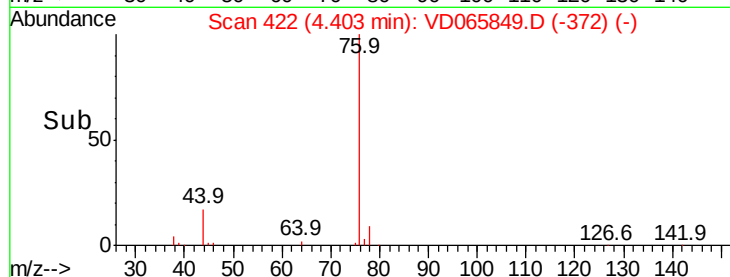
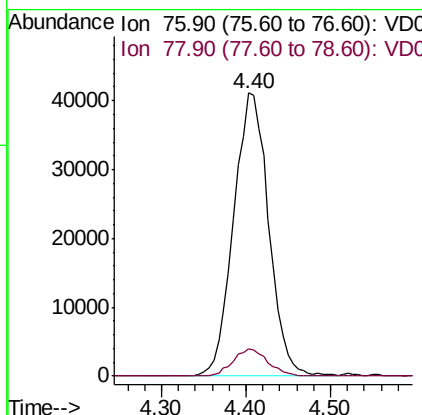
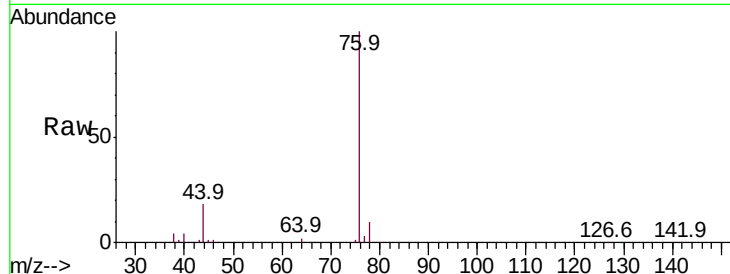




#17
Carbon Disulfide
Concen: 21.406 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

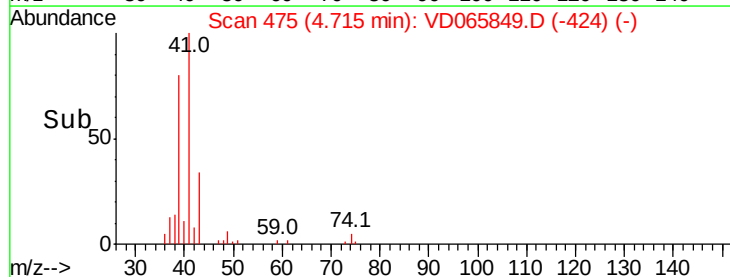
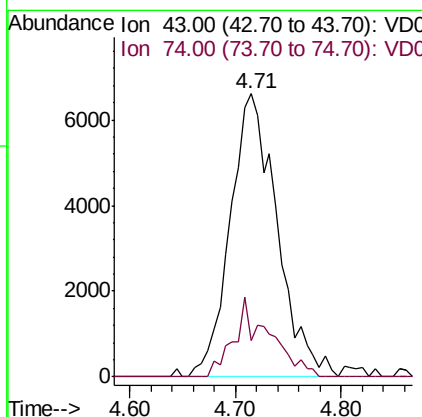
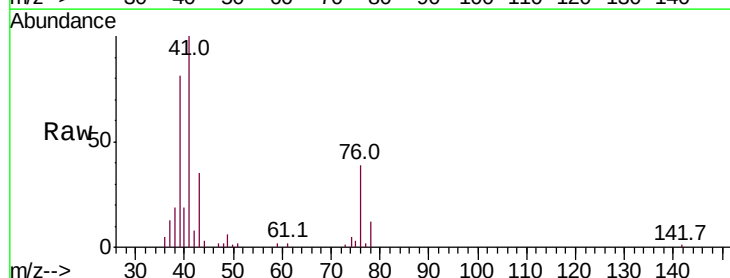
Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

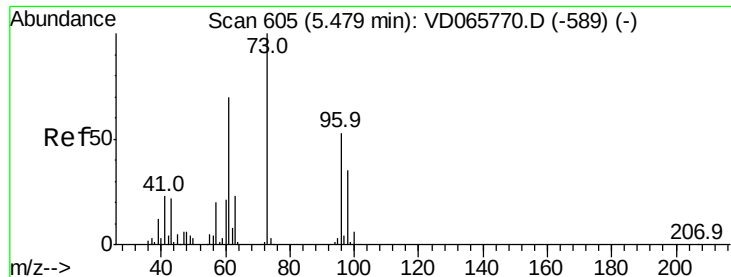
Tot Ion: 76 Resp: 118239
Ion Ratio Lower Upper
76 100
78 9.5 7.1 10.7



#18
Methyl Acetate
Concen: 24.871 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

Tgt Ion: 43 Resp: 20333
Ion Ratio Lower Upper
43 100
74 21.3 18.7 28.1





#19

Methyl tert-butyl Ether

Concen: 22.472 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.01 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

Instrument :

MSVOA_D

ClientSampleId :

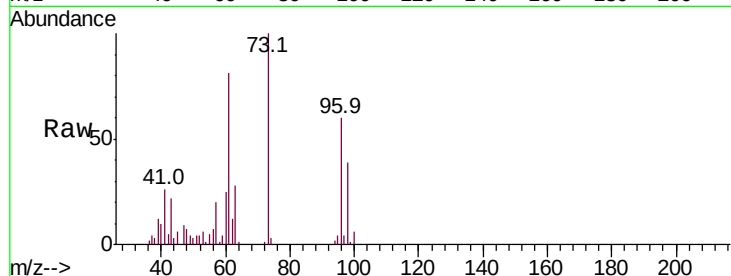
VD0622SBS01

Tot Ion: 73 Resp: 83769

Ion Ratio Lower Upper

73 100

57 19.9 16.2 24.2



Abundance Ion 73.00 (72.70 to 73.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

25000

20000

15000

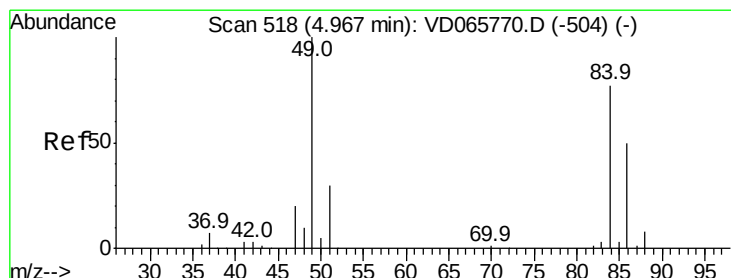
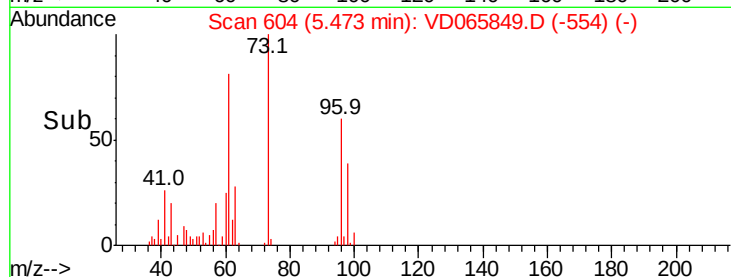
10000

5000

0

Time--> 5.30 5.40 5.50 5.60

5.47



#20

Methylene Chloride

Concen: 23.663 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

Tgt Ion: 84 Resp: 46637

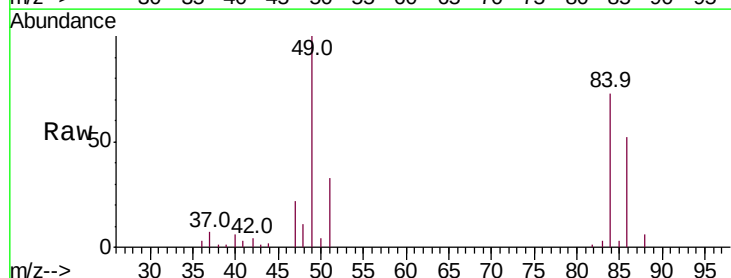
Ion Ratio Lower Upper

84 100

49 136.4 103.4 155.0

51 44.5 31.4 47.2

86 70.7 51.7 77.5



Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

30000

25000

20000

15000

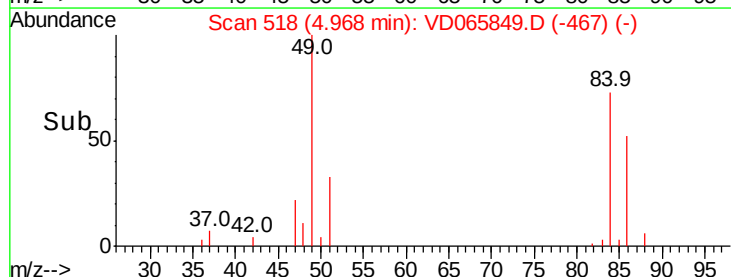
10000

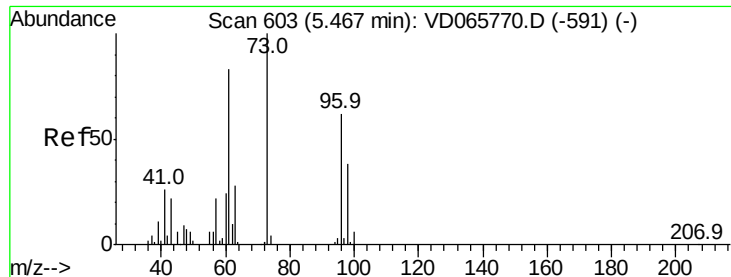
5000

0

Time--> 4.80 4.90 5.00 5.10

4.97





#21

trans-1,2-Dichloroethene

Concen: 22.779 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

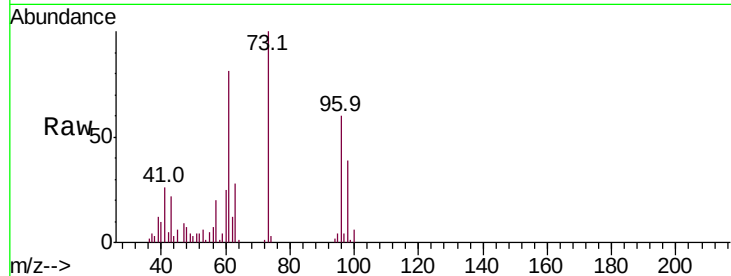
Tot Ion: 96 Resp: 43902

Ion Ratio Lower Upper

96 100

61 136.1 107.7 161.5

98 64.6 49.3 73.9

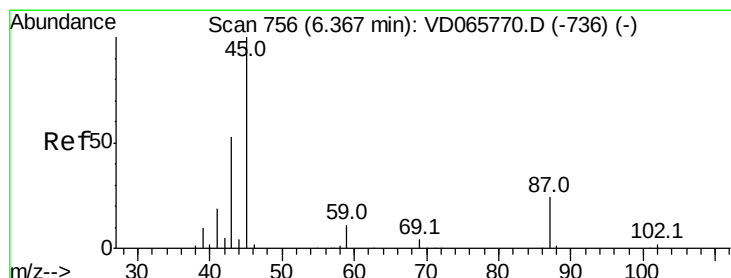
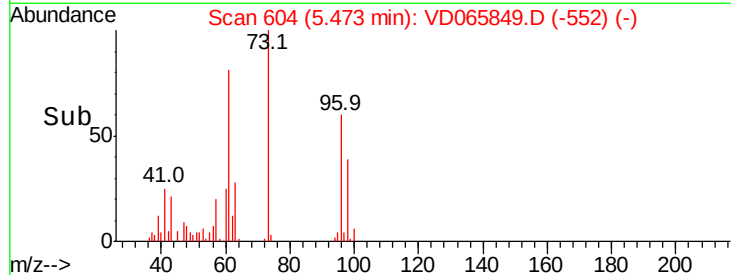
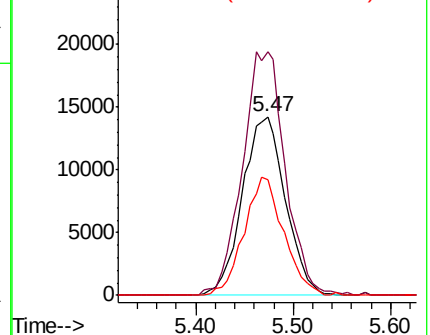


Abundance

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: 22.978 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

Tgt Ion: 45 Resp: 126284

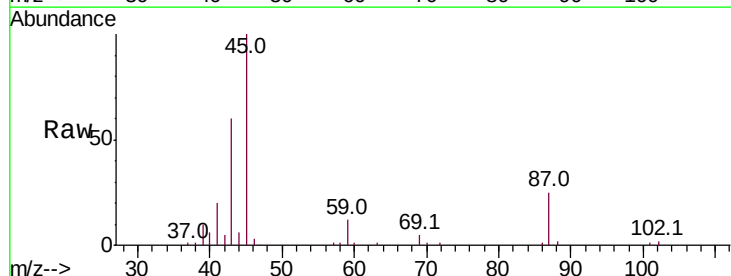
Ion Ratio Lower Upper

45 100

43 58.6 43.4 65.0

87 24.6 20.2 30.4

59 11.6 9.4 14.0



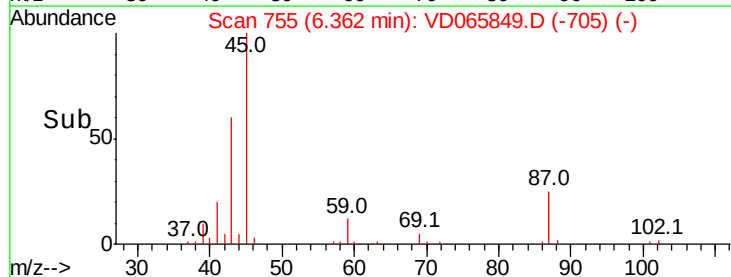
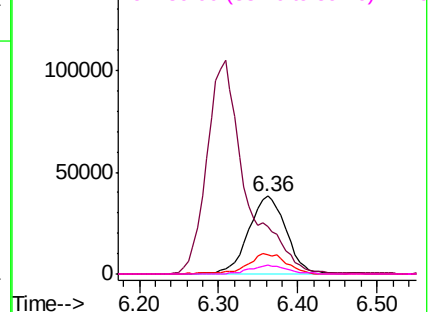
Abundance

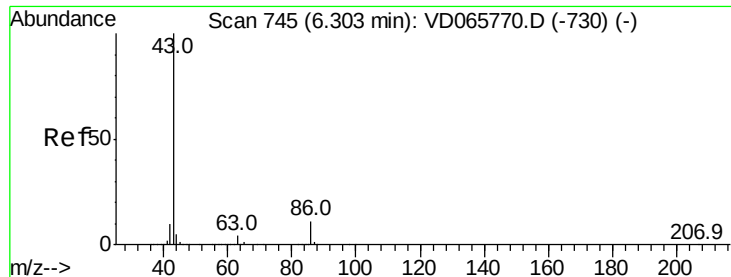
Ion 45.00 (44.70 to 45.70): VDC

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: 115.452 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

Instrument :

MSVOA_D

ClientSampleId :

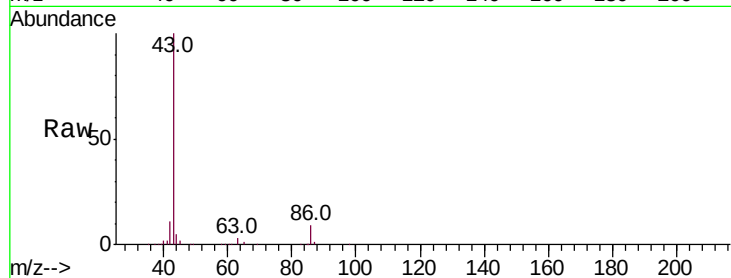
VD0622SBS01

Tot Ion: 43 Resp: 358303

Ion Ratio Lower Upper

43 100

86 8.6 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

120000

100000

80000

60000

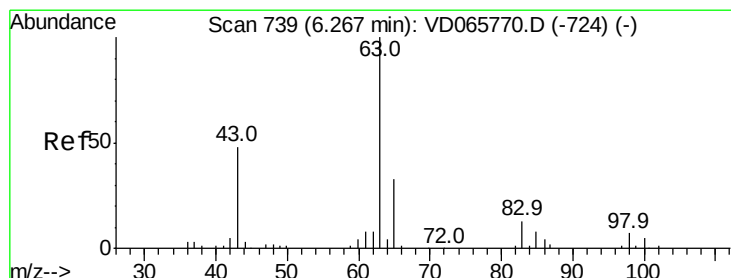
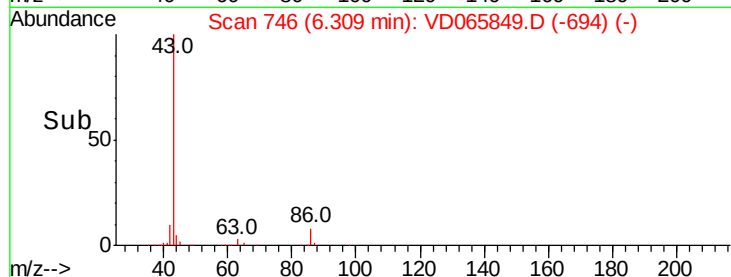
40000

20000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 22.593 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

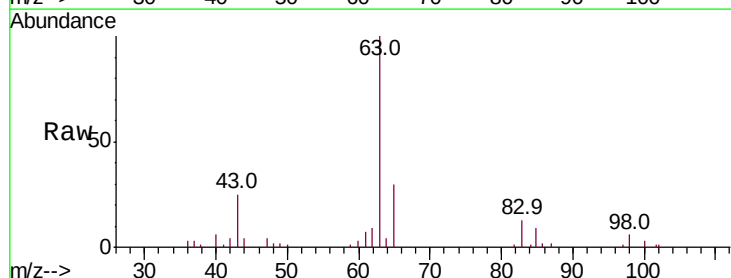
Tgt Ion: 63 Resp: 75658

Ion Ratio Lower Upper

63 100

98 6.3 3.5 10.5

100 3.2 2.3 6.9



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

30000

25000

20000

15000

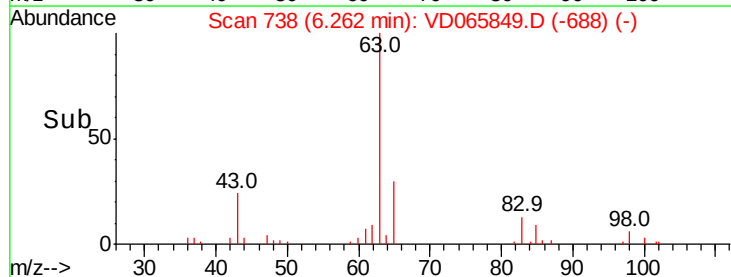
10000

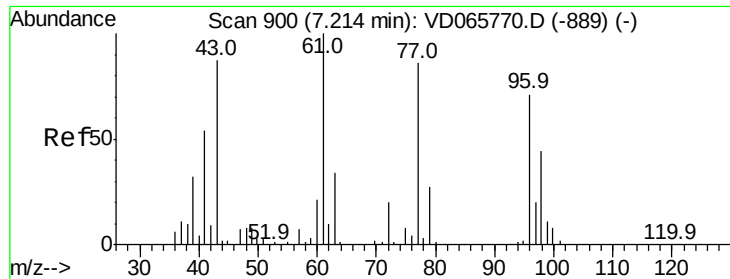
5000

0

6.10 6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 112.481 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

Instrument :

MSVOA_D

ClientSampleId :

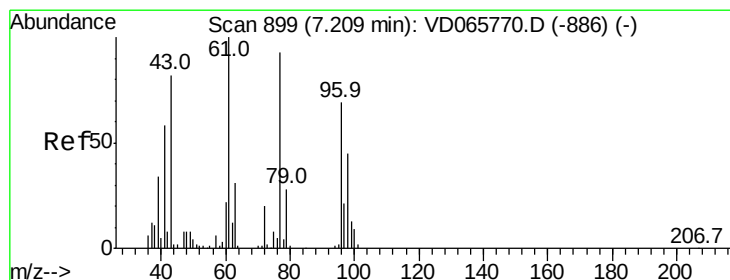
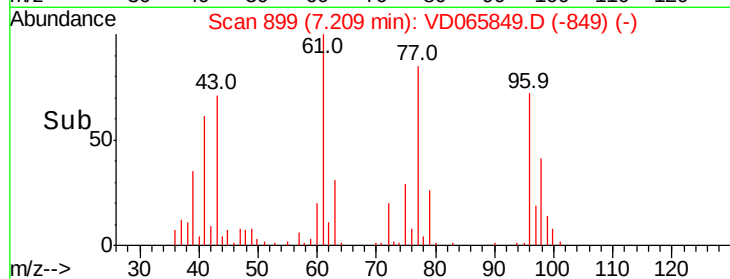
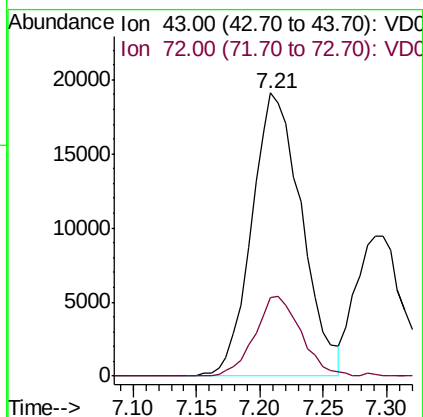
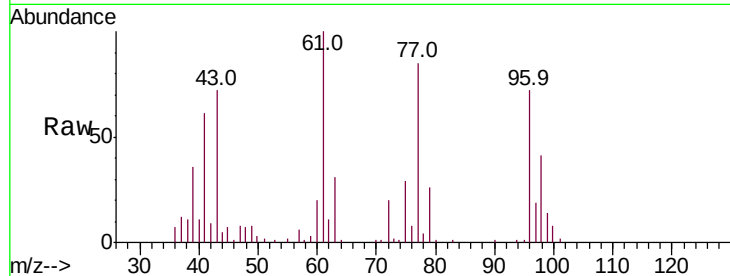
VD0622SBSD01

Tot Ion: 43 Resp: 52454

Ion Ratio Lower Upper

43 100

72 27.6 18.5 27.7



#26

2,2-Dichloropropane

Concen: 22.394 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065849.D

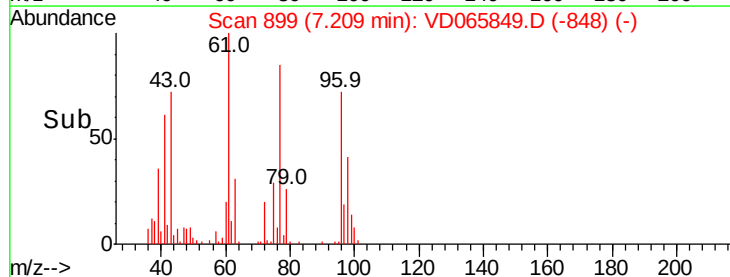
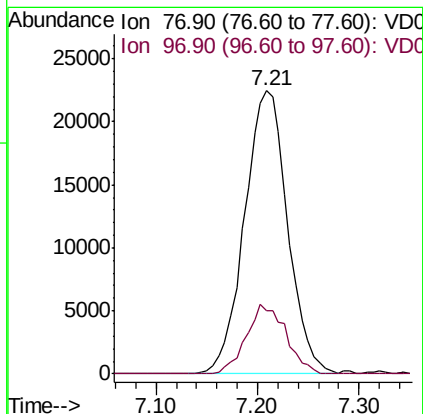
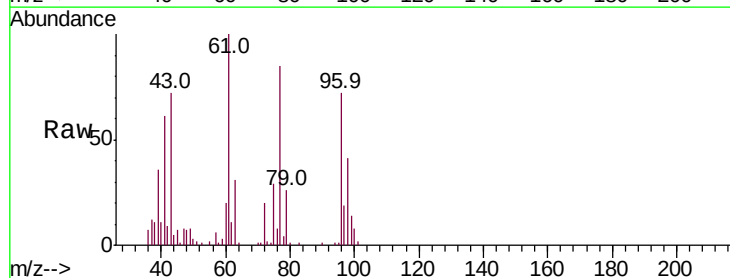
Acq: 22 Jun 2020 17:24

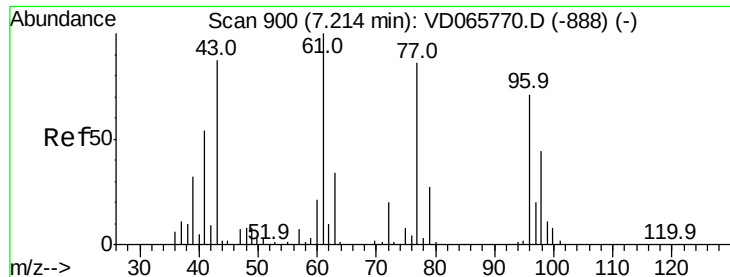
Tgt Ion: 77 Resp: 66491

Ion Ratio Lower Upper

77 100

97 22.4 10.9 32.7





#27

cis-1,2-Dichloroethene

Concen: 22.547 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBSD01

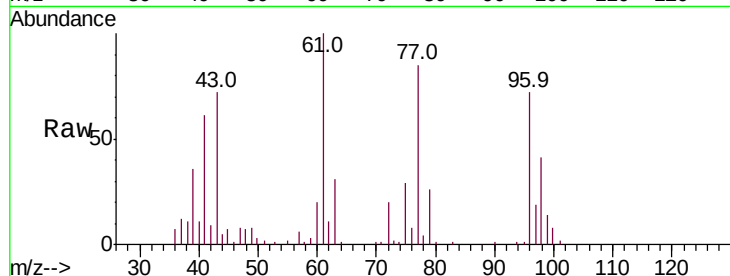
Tot Ion: 96 Resp: 46746

Ion Ratio Lower Upper

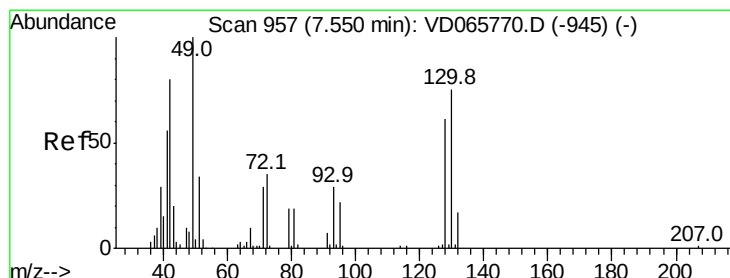
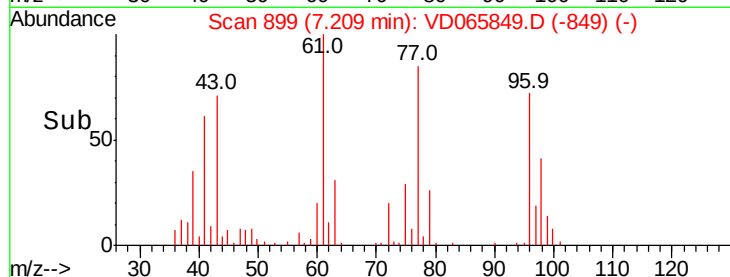
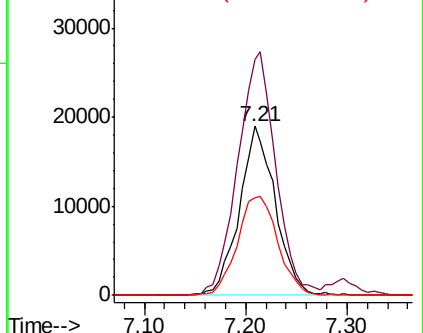
96 100

61 151.8 0.0 291.2

98 65.6 0.0 128.8



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: 22.320 ug/l

RT: 7.54 min Scan# 956

Delta R.T. -0.01 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

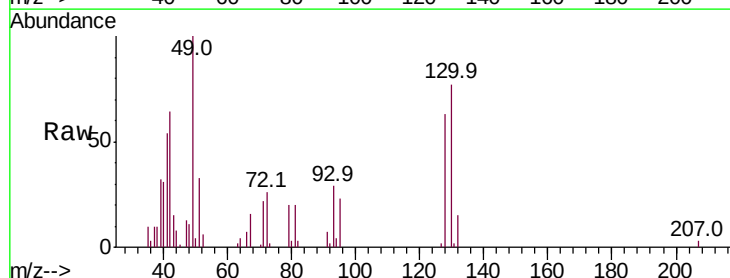
Tgt Ion: 49 Resp: 28867

Ion Ratio Lower Upper

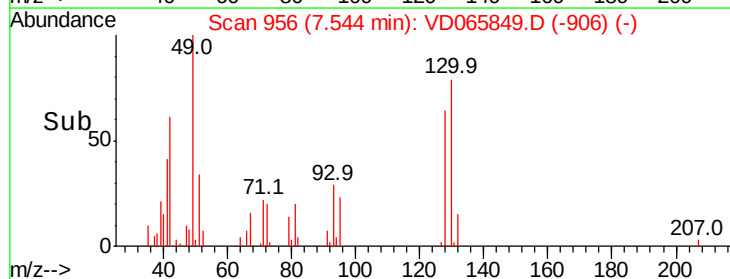
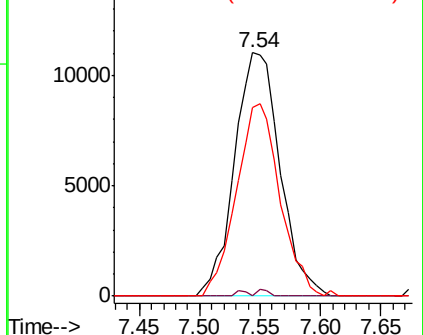
49 100

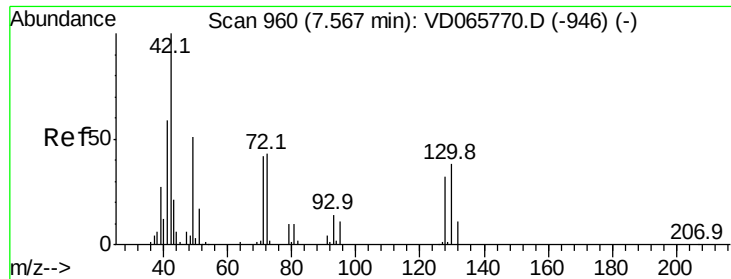
129 0.7 0.0 4.6

130 75.7 59.5 89.3



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

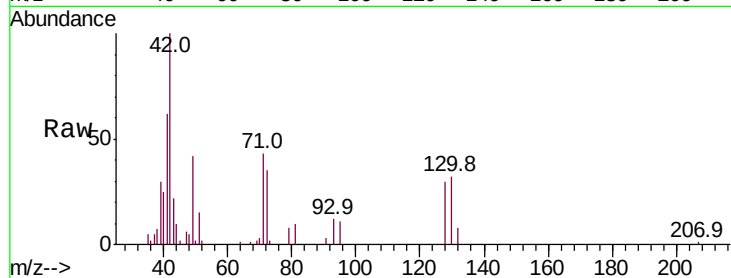




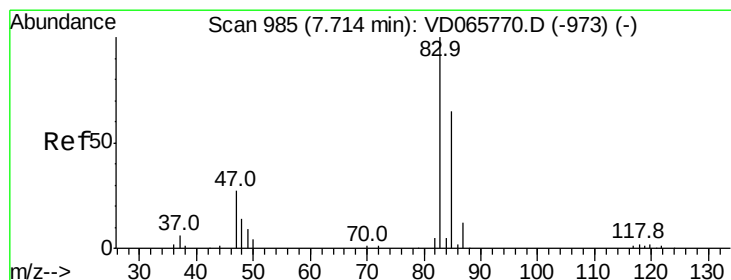
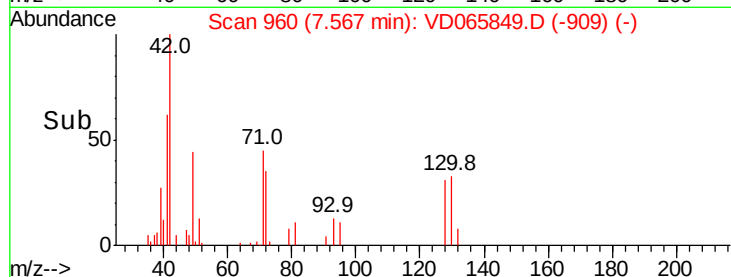
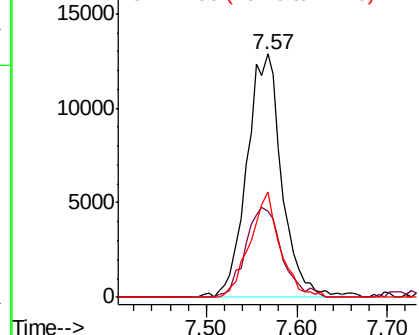
#29
Tetrahydrofuran
Concen: 116.828 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion: 42 Resp: 34433
Ion Ratio Lower Upper
42 100
72 38.6 34.9 52.3
71 37.4 31.2 46.8

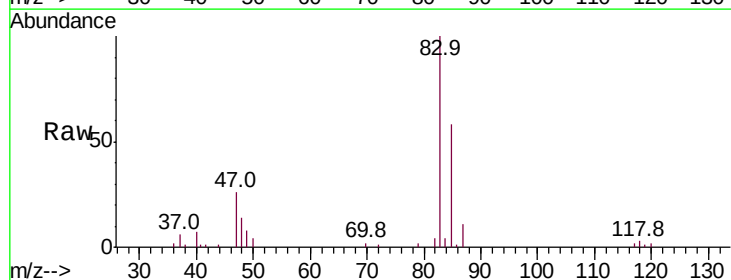


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

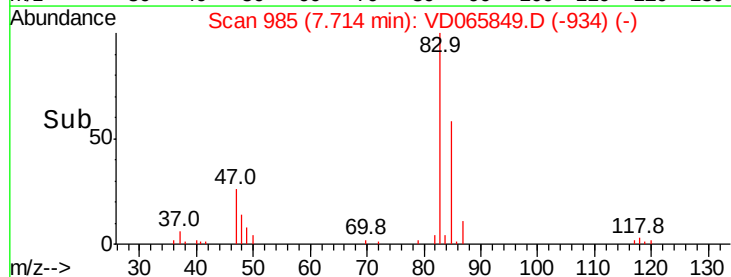
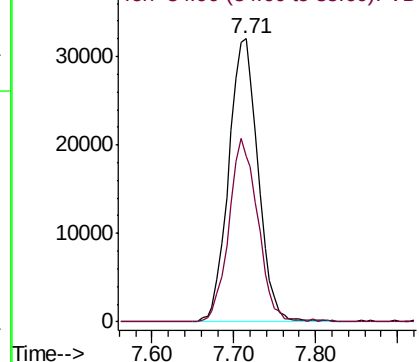


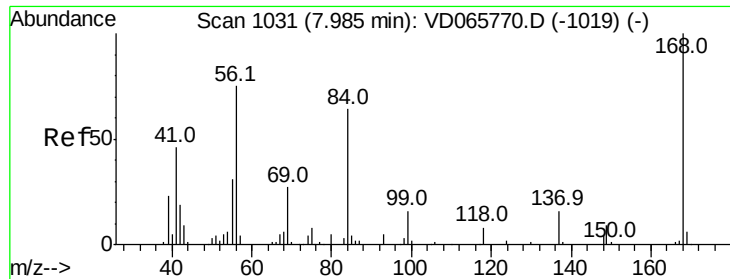
#30
Chloroform
Concen: 23.076 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

Tgt Ion: 83 Resp: 80094
Ion Ratio Lower Upper
83 100
85 58.4 51.9 77.9



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

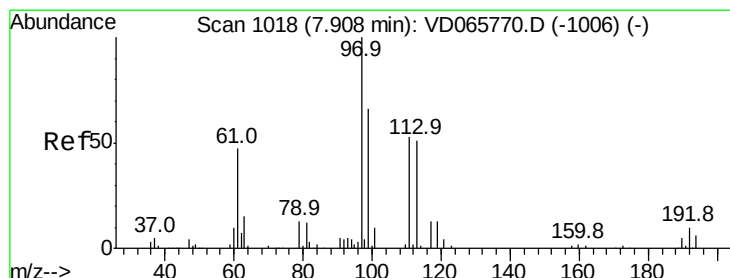
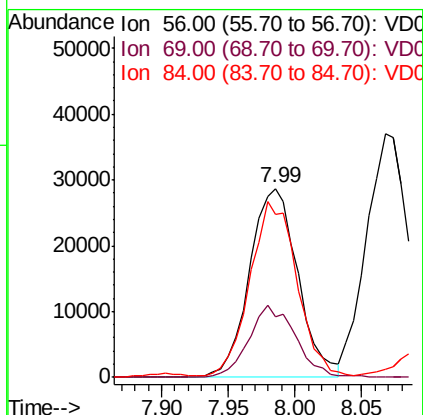
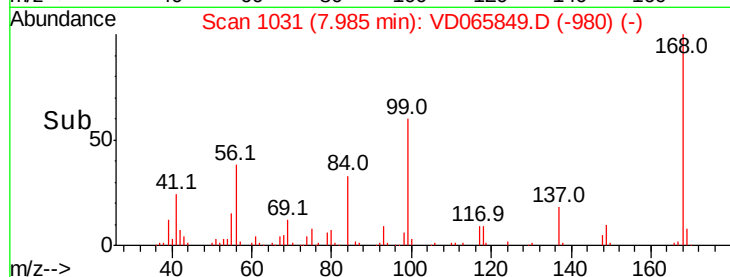
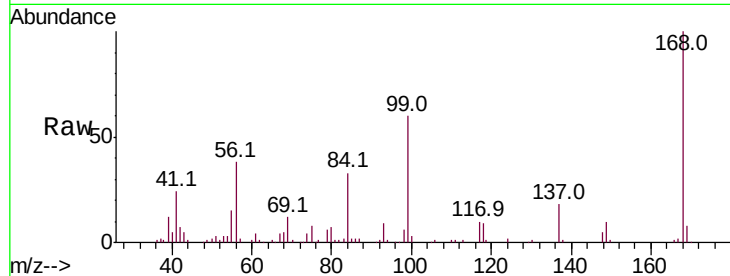




#31
Cyclohexane
Concen: 22.421 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

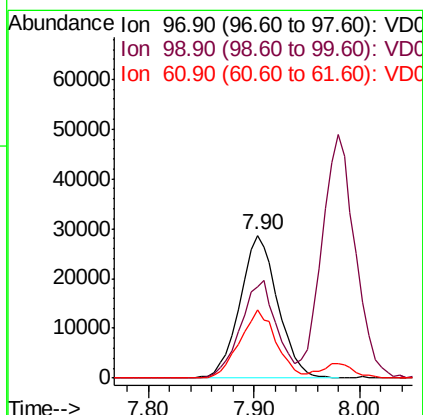
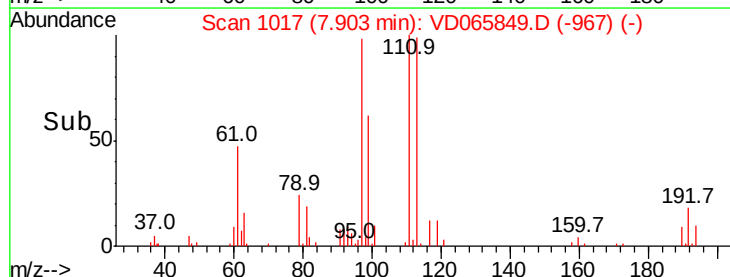
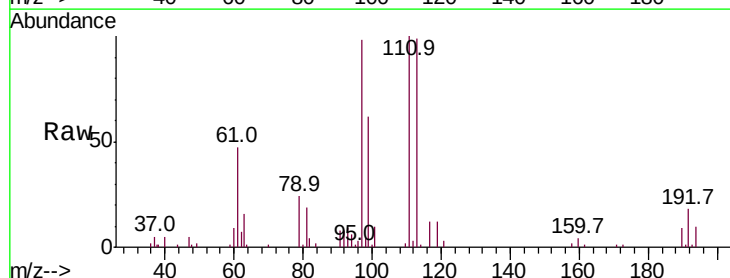
Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

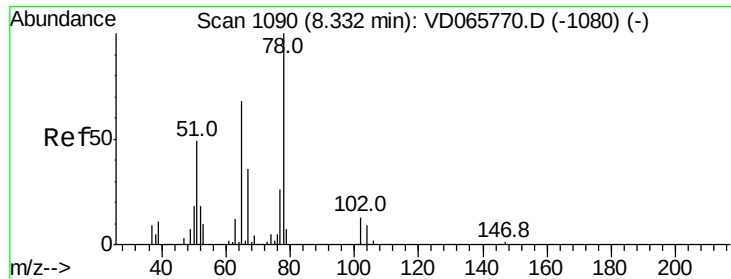
Tot Ion: 56 Resp: 71978
Ion Ratio Lower Upper
56 100
69 31.8 28.5 42.7
84 85.3 68.4 102.6



#32
1,1,1-Trichloroethane
Concen: 22.373 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

Tgt Ion: 97 Resp: 71405
Ion Ratio Lower Upper
97 100
99 64.5 49.2 73.8
61 46.0 36.0 54.0

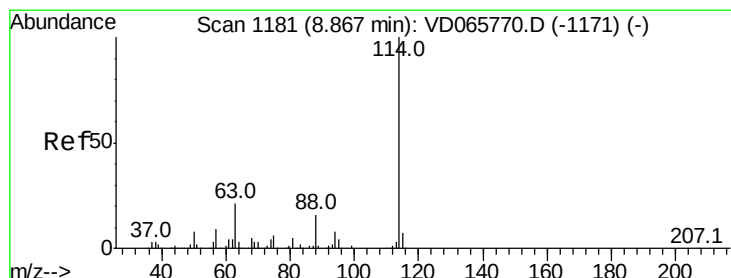
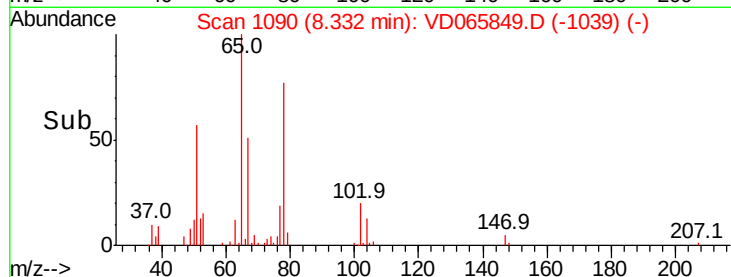
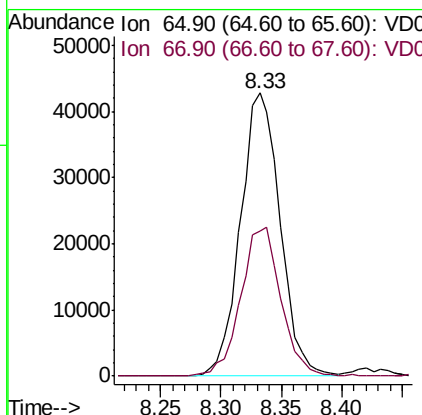
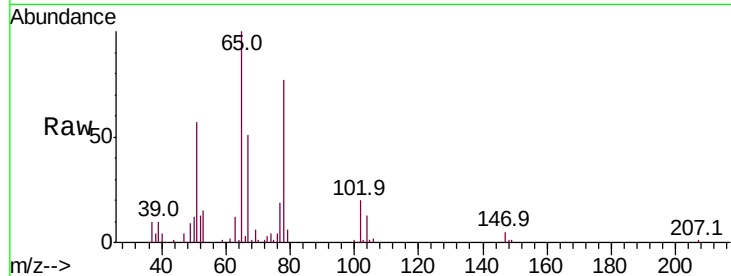




#33
 1,2-Dichloroethane-d4
 Concen: 54.798 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD065849.D
 Acq: 22 Jun 2020 17:24

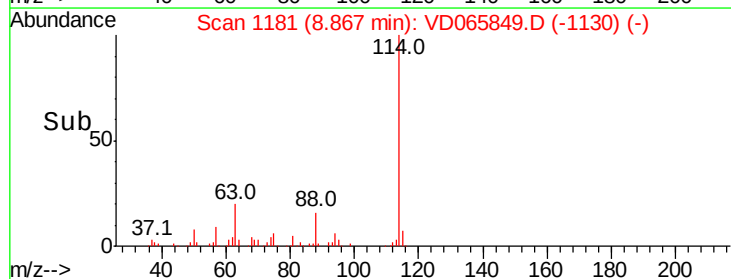
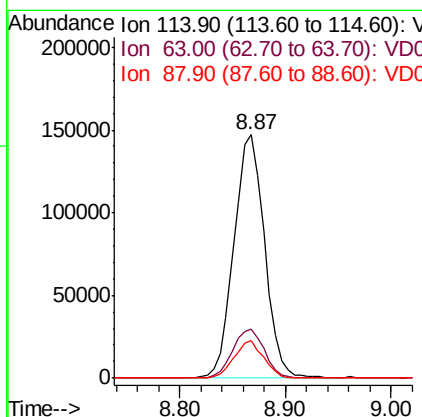
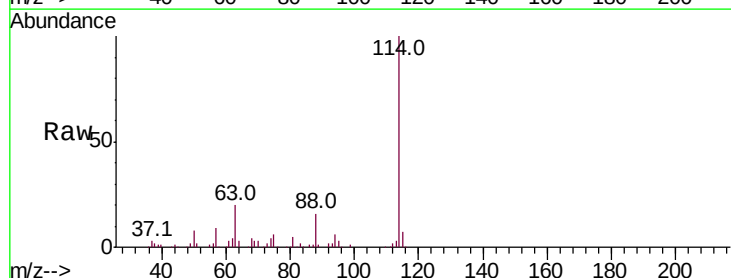
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBSD01

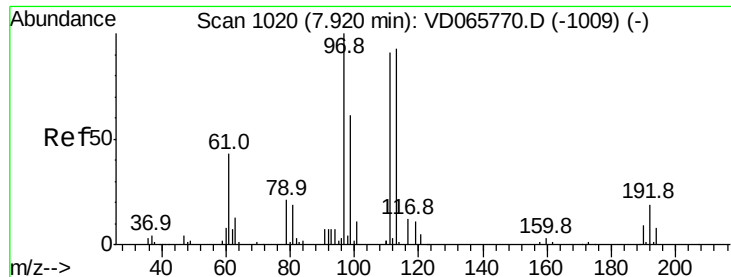
Tot Ion: 65 Resp: 98093
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065849.D
 Acq: 22 Jun 2020 17:24

Tgt Ion: 114 Resp: 295027
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 41.8
 88 15.6 0.0 32.0

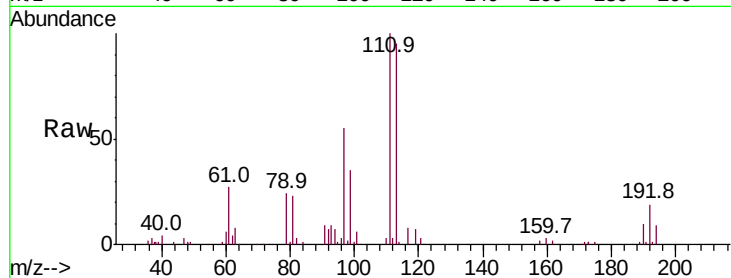




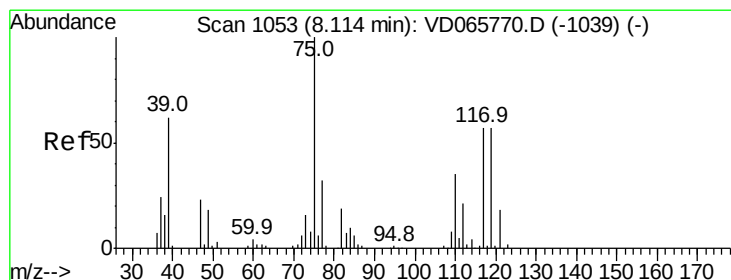
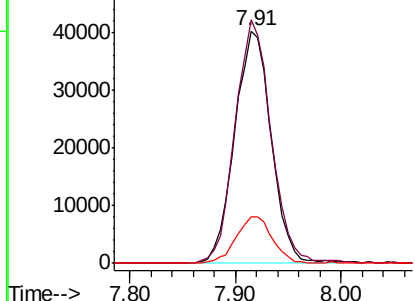
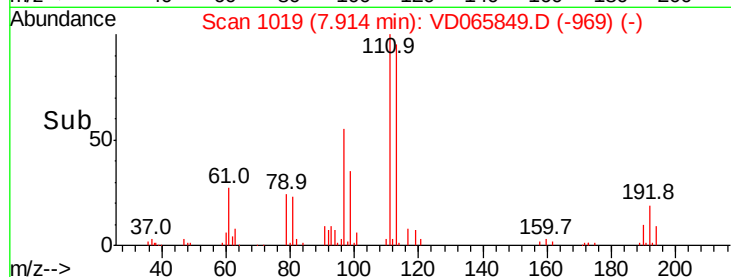
#35
 Dibromofluoromethane
 Concen: 51.856 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065849.D
 Acq: 22 Jun 2020 17:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBSD01

Tot Ion:113 Resp: 96638
 Ion Ratio Lower Upper
 113 100
 111 103.1 83.4 125.0
 192 20.0 15.7 23.5

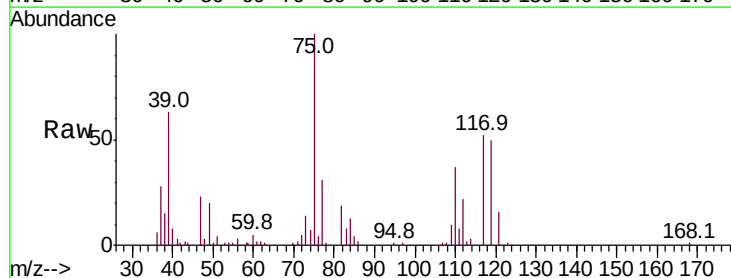


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

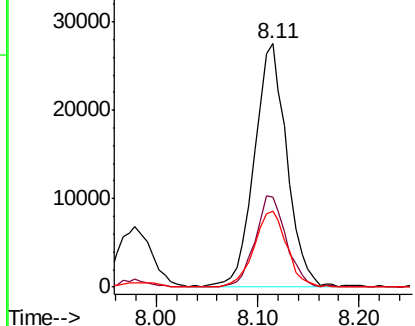
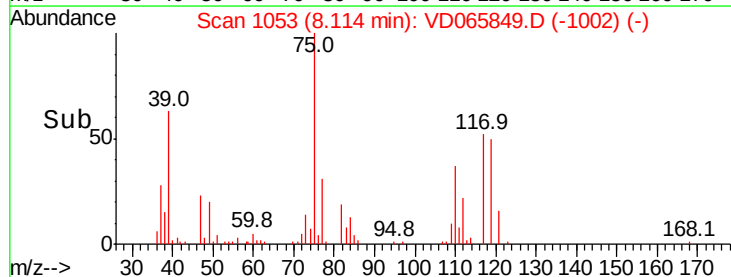


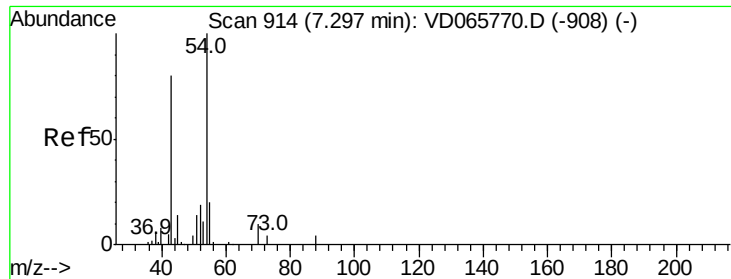
#36
 1,1-Dichloropropene
 Concen: 21.910 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065849.D
 Acq: 22 Jun 2020 17:24

Tgt Ion: 75 Resp: 61922
 Ion Ratio Lower Upper
 75 100
 110 35.6 17.6 52.8
 77 31.4 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 19.908 ug/l

RT: 7.29 min Scan# 913

Delta R.T. -0.01 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBSD01

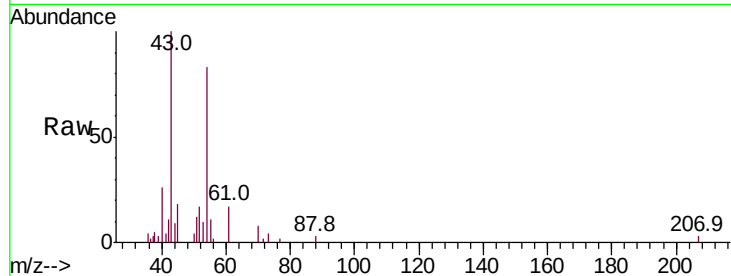
Tot Ion: 43 Resp: 22161

Ion Ratio Lower Upper

43 100

61 16.2 10.6 15.8#

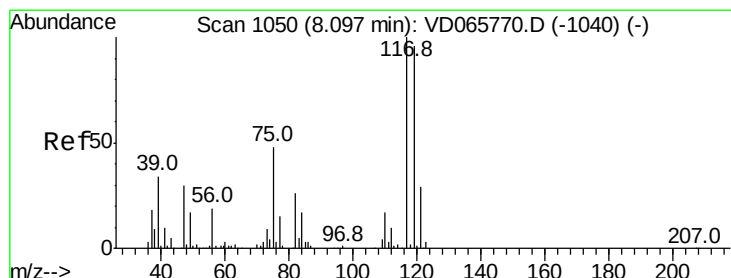
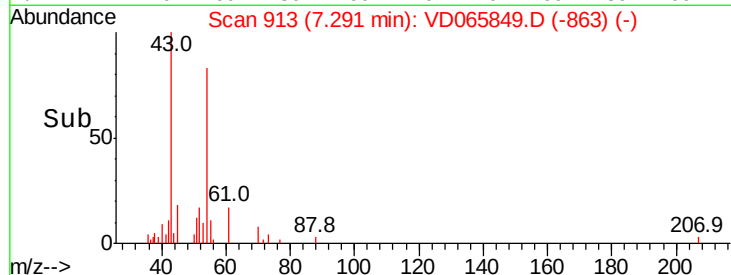
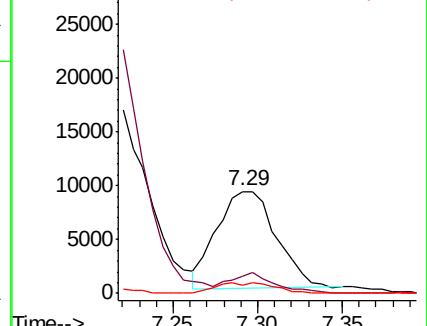
70 10.7 7.5 11.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 21.411 ug/l

RT: 8.10 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

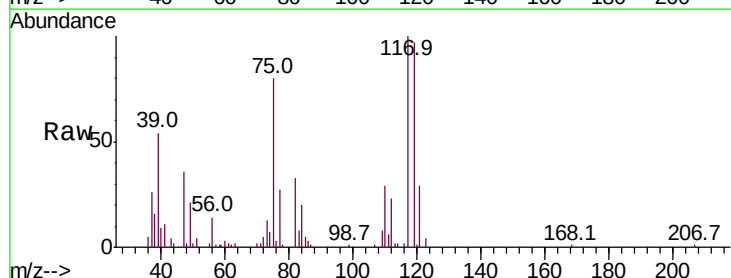
Tgt Ion: 117 Resp: 63683

Ion Ratio Lower Upper

117 100

119 96.6 76.8 115.2

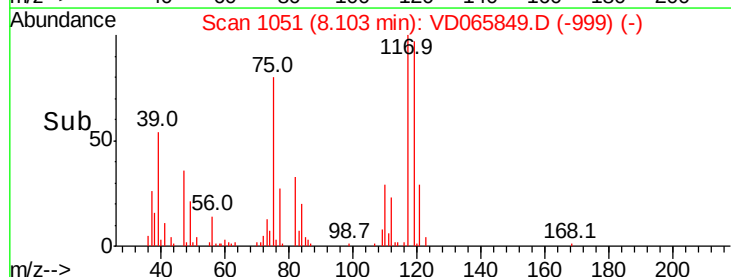
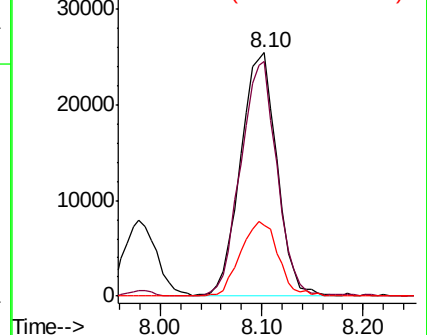
121 29.1 23.4 35.2

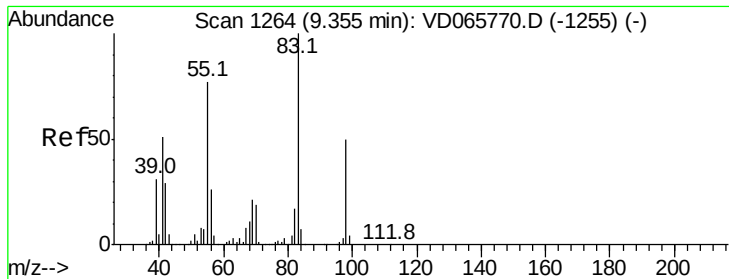


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

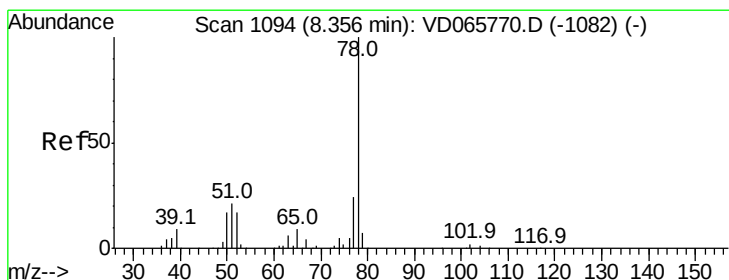
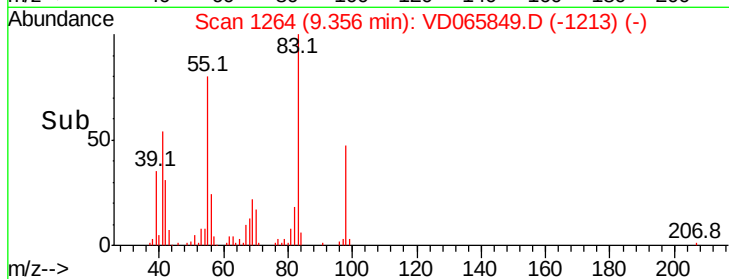
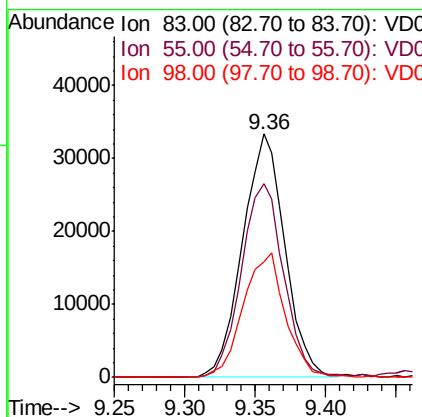
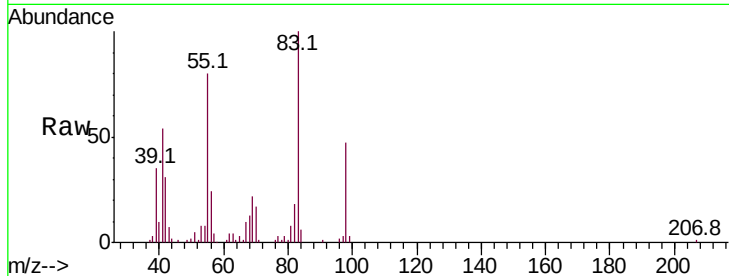




#39
Methylvlcyclohexane
Concen: 20.926 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

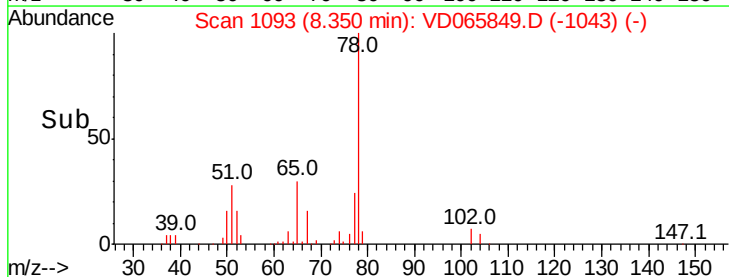
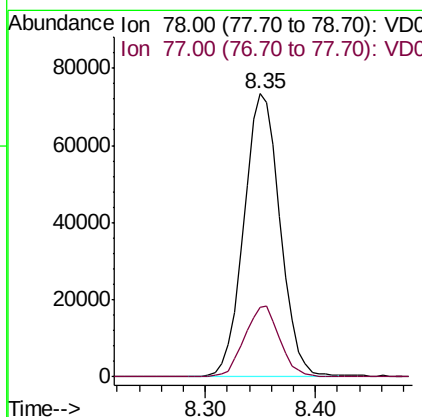
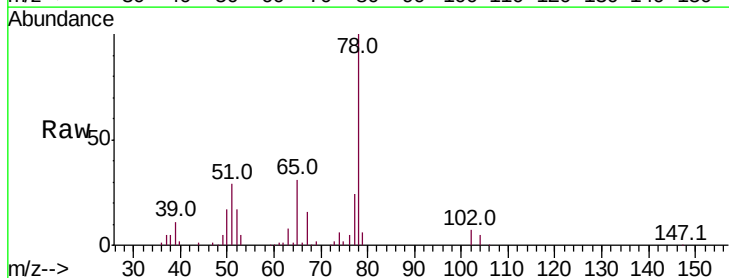
Instrument :
MSVOA_D
ClientSampleId :
VD0622SBSD01

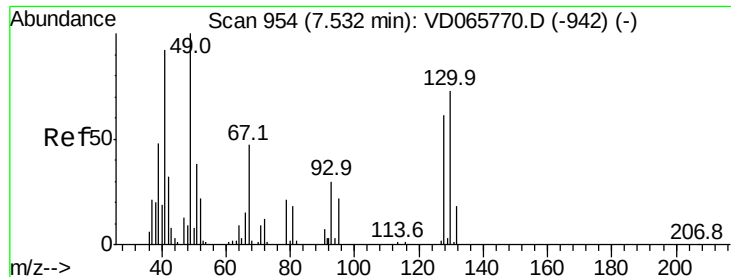
Tot Ion: 83 Resp: 70020
Ion Ratio Lower Upper
83 100
55 79.8 61.6 92.4
98 47.3 40.2 60.2



#40
Benzene
Concen: 21.935 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

Tgt Ion: 78 Resp: 169474
Ion Ratio Lower Upper
78 100
77 24.4 19.2 28.8





#41

Methacrylonitrile

Concen: 21.366 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

Tot Ion: 41 Resp: 14162

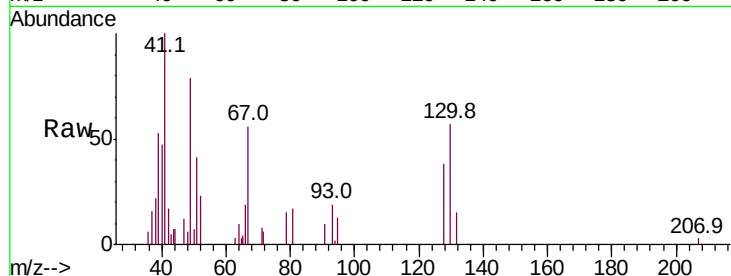
Ion Ratio Lower Upper

41 100

39 50.3 38.3 57.5

67 70.5 49.8 74.6

52 31.2 21.7 32.5

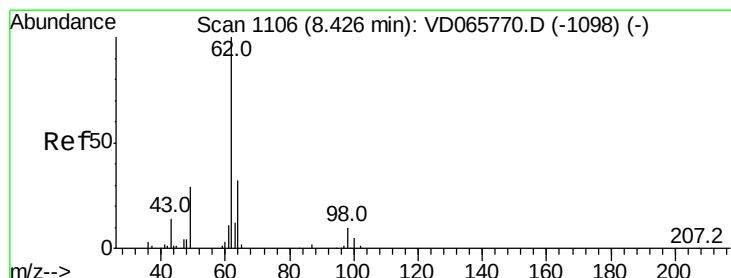
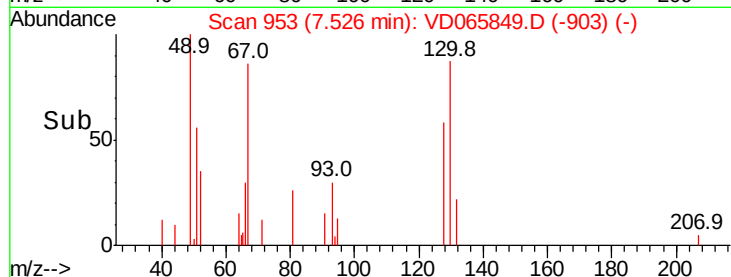
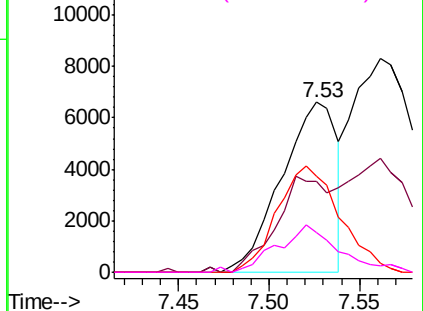


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 21.885 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD065849.D

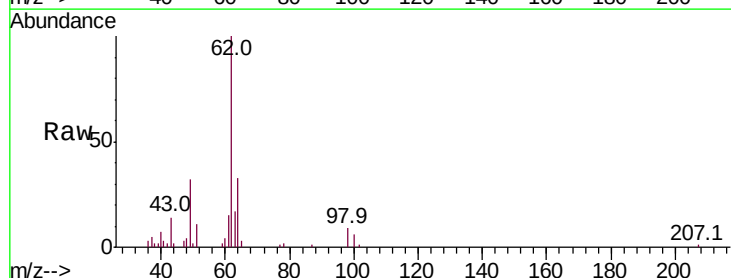
Acq: 22 Jun 2020 17:24

Tgt Ion: 62 Resp: 51018

Ion Ratio Lower Upper

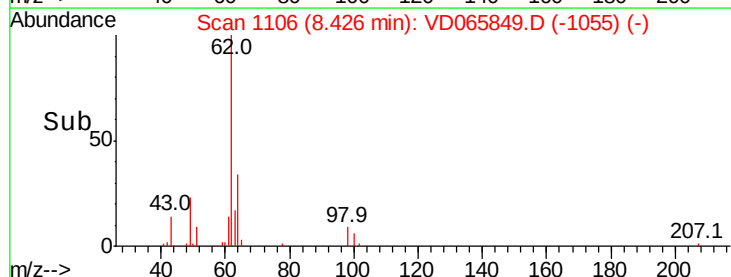
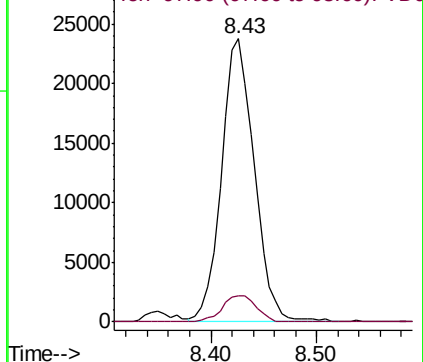
62 100

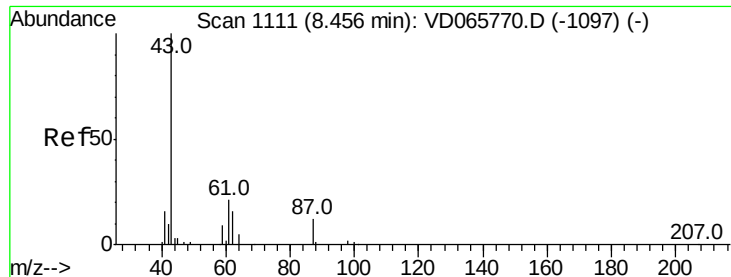
98 9.7 0.0 18.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 21.526 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

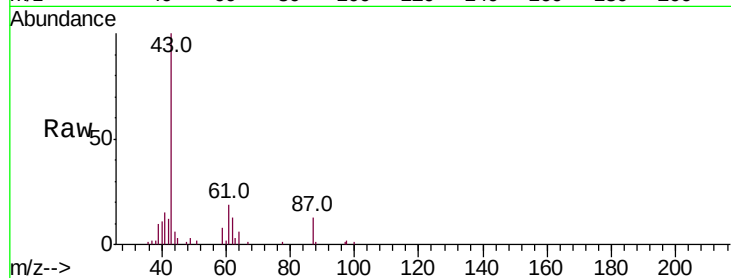
Tot Ion: 43 Resp: 47650

Ion Ratio Lower Upper

43 100

61 30.5 24.2 36.4

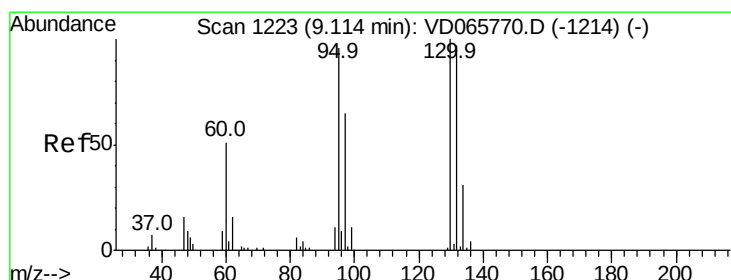
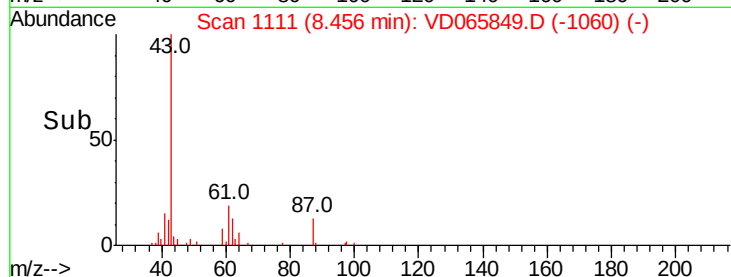
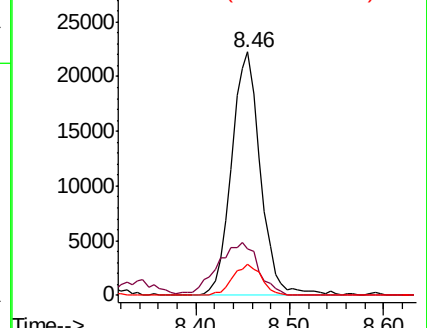
87 12.4 9.5 14.3



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: 21.571 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. -0.01 min

Lab File: VD065849.D

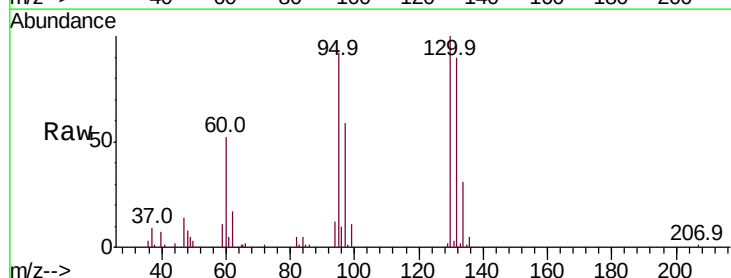
Acq: 22 Jun 2020 17:24

Tgt Ion:130 Resp: 46380

Ion Ratio Lower Upper

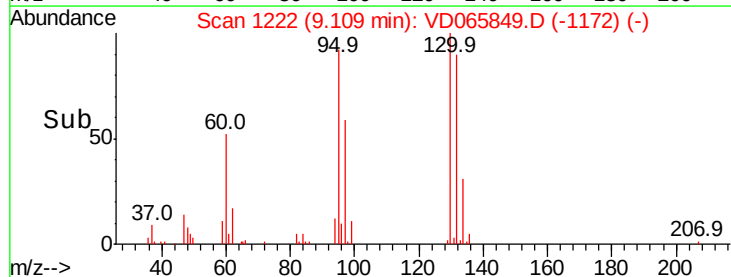
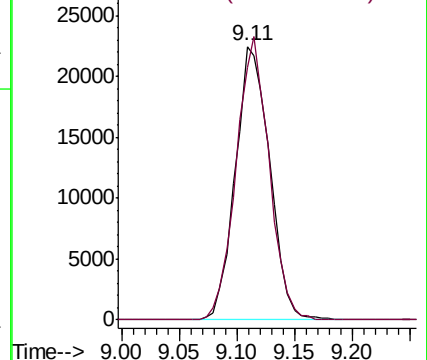
130 100

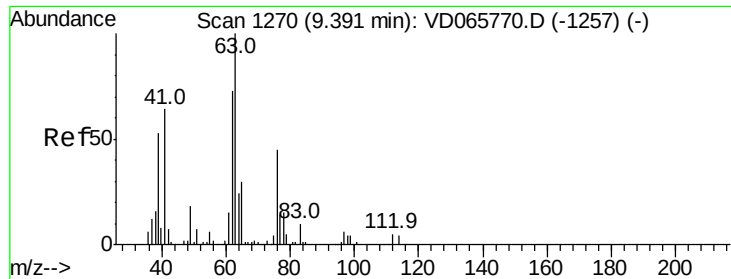
95 92.2 0.0 192.8



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.589 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

Instrument :

MSVOA_D

ClientSampleId :

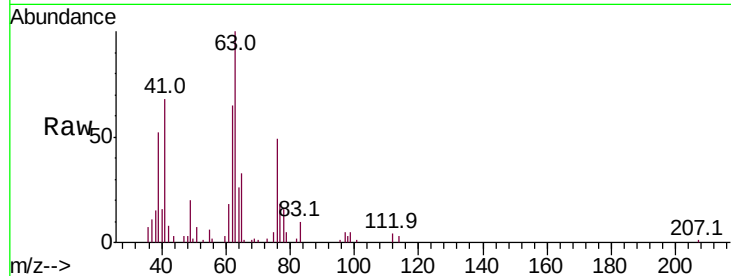
VD0622SBSD01

Tot Ion: 63 Resp: 41912

Ion Ratio Lower Upper

63 100

65 32.9 24.2 36.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

20000

15000

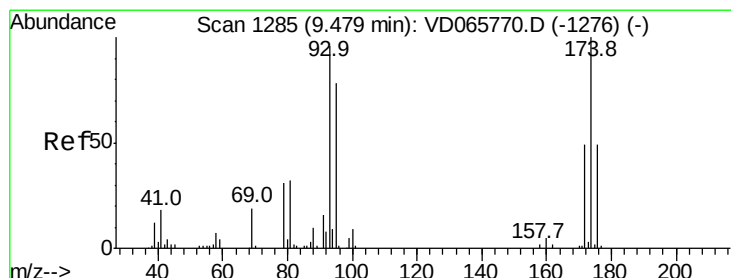
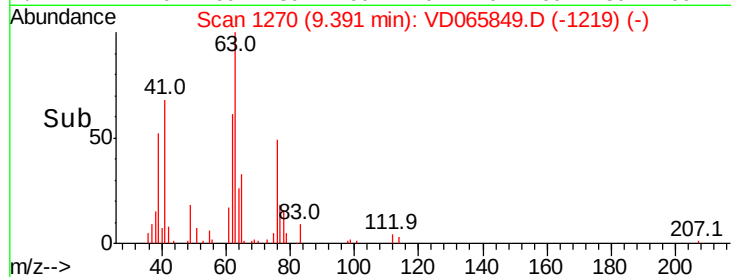
10000

5000

0

9.30 9.40 9.50

Time-->



#46

Dibromomethane

Concen: 21.294 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

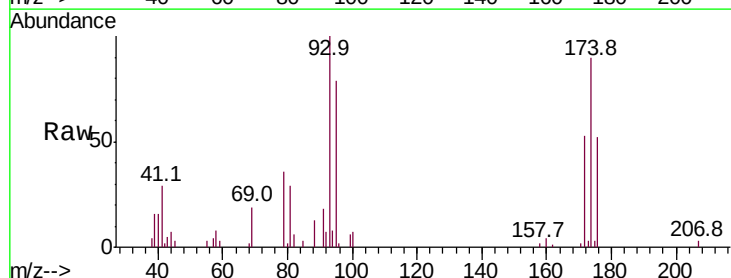
Tgt Ion: 93 Resp: 22420

Ion Ratio Lower Upper

93 100

95 78.0 65.8 98.6

174 93.8 80.9 121.3



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): VDC

15000

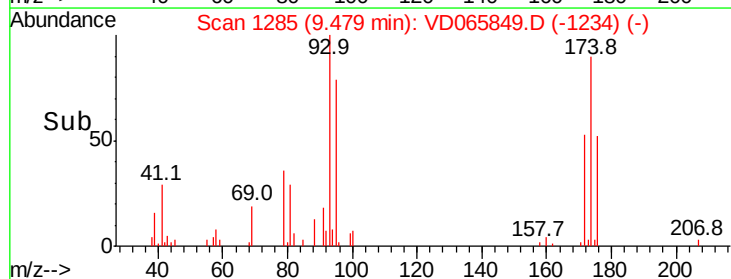
10000

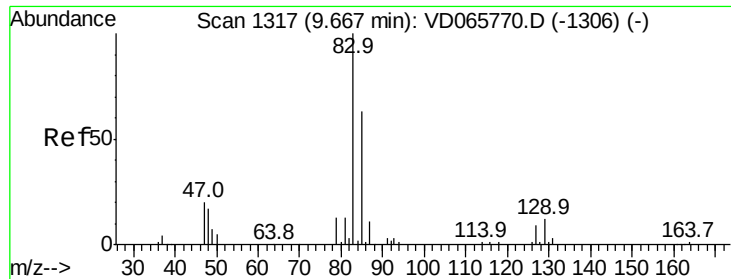
5000

0

9.40 9.45 9.50 9.55

Time-->





#47

Bromodichloromethane

Concen: 21.225 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

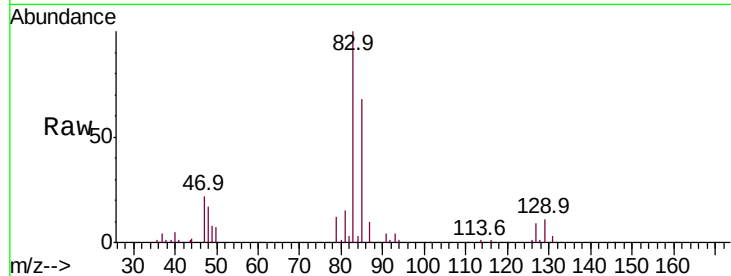
Tot Ion: 83 Resp: 59885

Ion Ratio Lower Upper

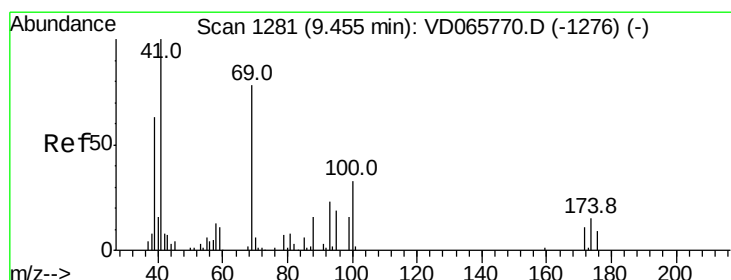
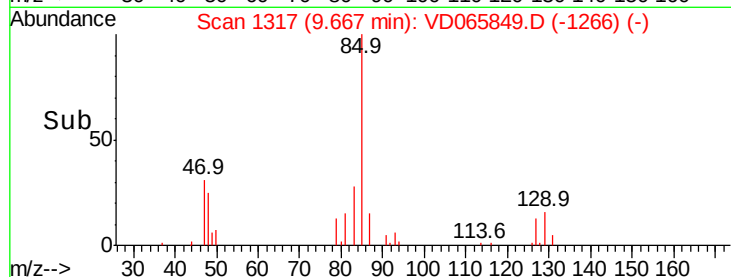
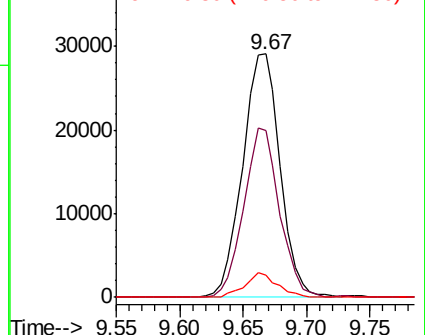
83 100

85 68.4 50.7 76.1

127 8.9 7.1 10.7



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



#48

Methyl methacrylate

Concen: 20.089 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

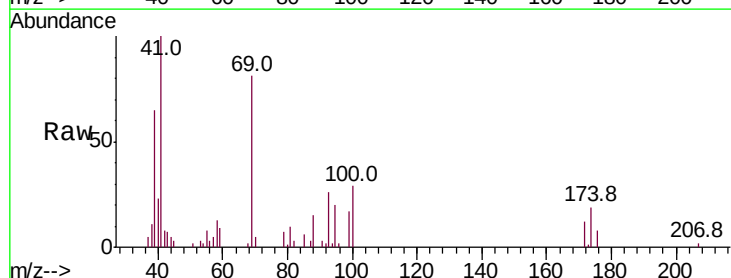
Tgt Ion: 41 Resp: 21525

Ion Ratio Lower Upper

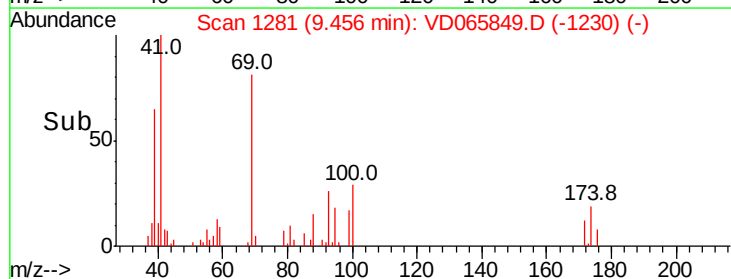
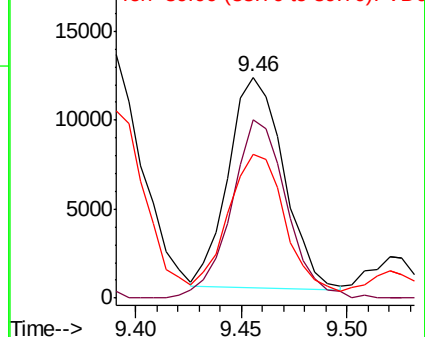
41 100

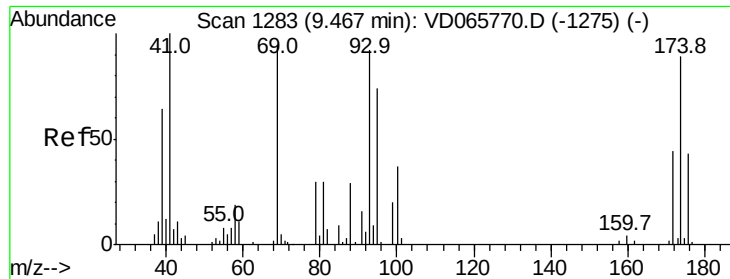
69 84.6 60.9 91.3

39 66.3 48.1 72.1



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

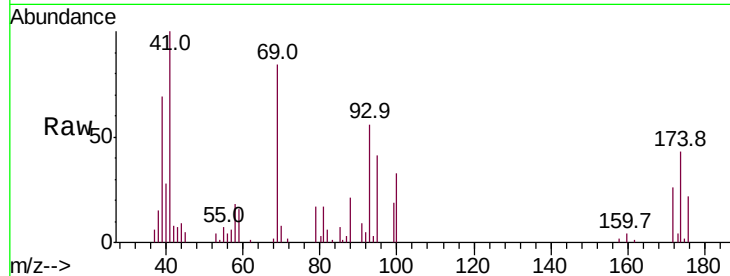




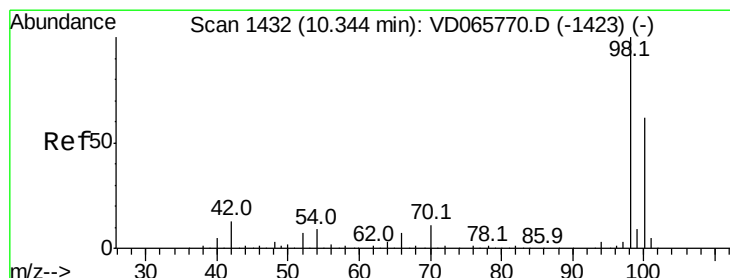
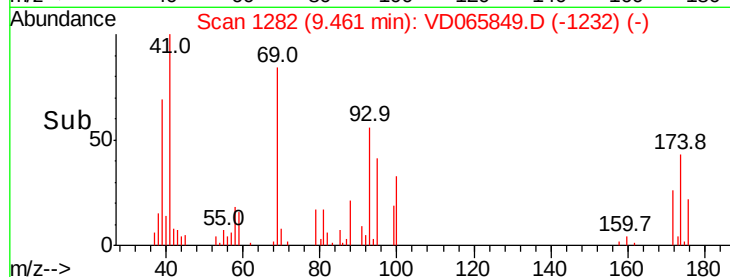
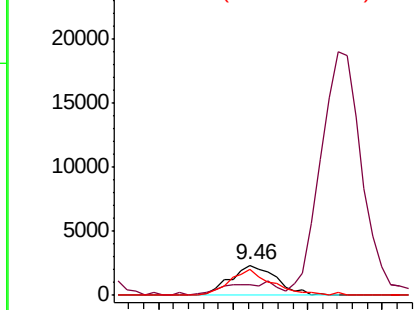
#49
1,4-Dioxane
Concen: 450.003 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBSD01

Tot Ion: 88 Resp: 5043
Ion Ratio Lower Upper
88 100
43 47.4 32.2 48.4
58 78.7 54.9 82.3

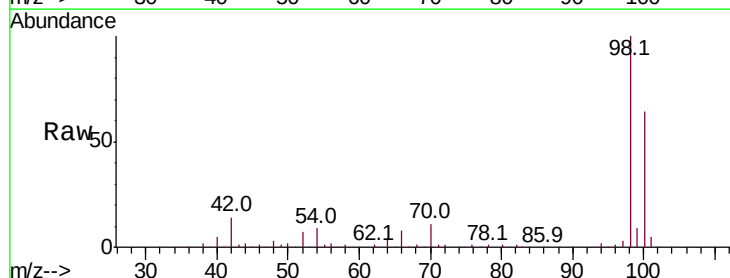


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

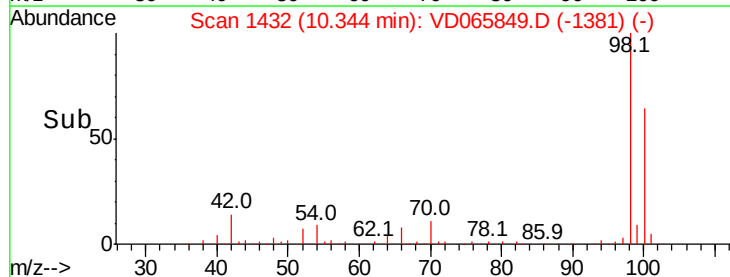
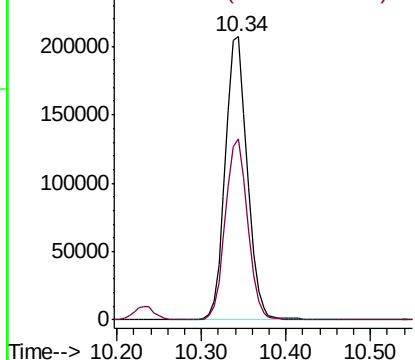


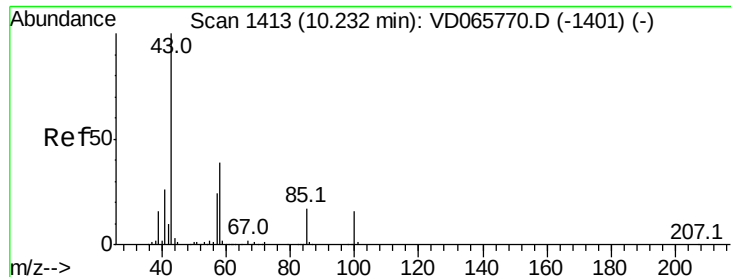
#50
Toluene-d8
Concen: 53.531 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

Tgt Ion: 98 Resp: 371991
Ion Ratio Lower Upper
98 100
100 64.8 51.4 77.2



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





#51

4-Methyl-2-Pentanone

Concen: 111.095 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

Instrument :

MSVOA_D

ClientSampleId :

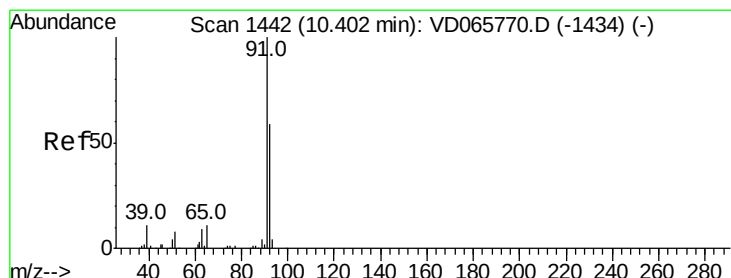
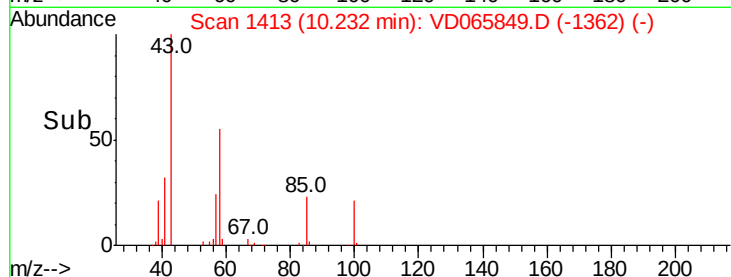
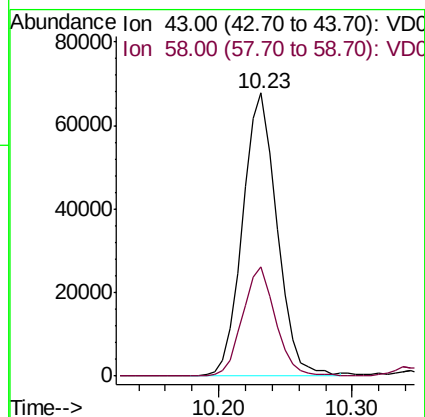
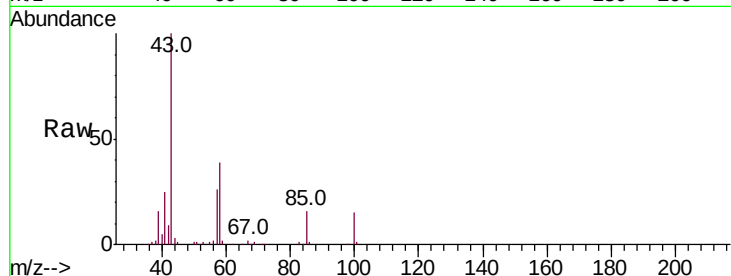
VD0622SBS01

Tot Ion: 43 Resp: 120503

Ion Ratio Lower Upper

43 100

58 37.0 30.7 46.1



#52

Toluene

Concen: 21.965 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD065849.D

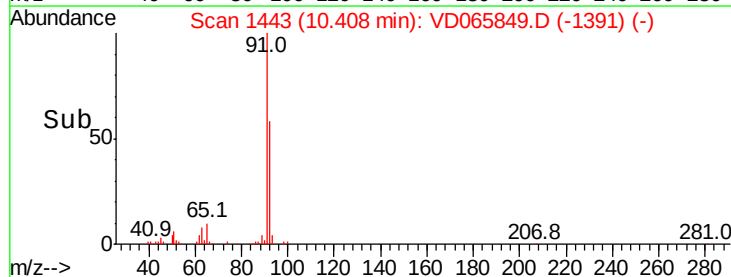
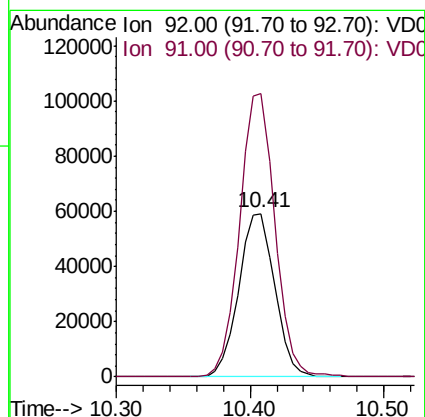
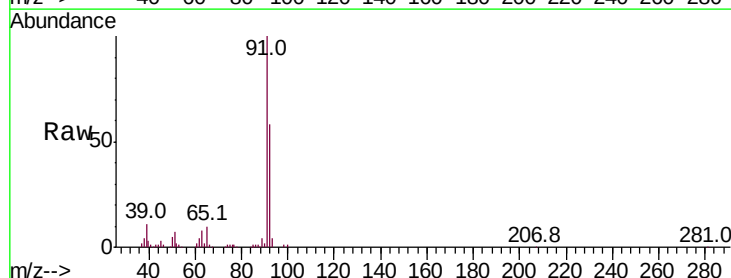
Acq: 22 Jun 2020 17:24

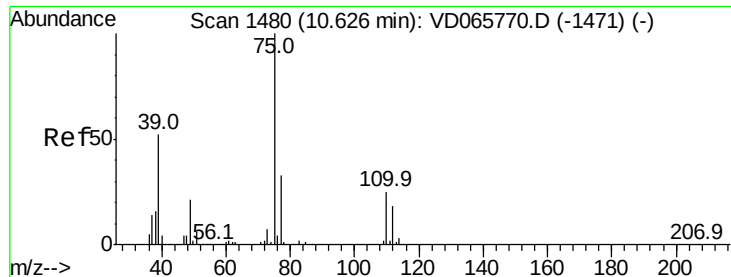
Tgt Ion: 92 Resp: 110267

Ion Ratio Lower Upper

92 100

91 170.6 137.8 206.8





#53

t-1,3-Dichloropropene

Concen: 22.254 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.01 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

Instrument :

MSVOA_D

ClientSampleId :

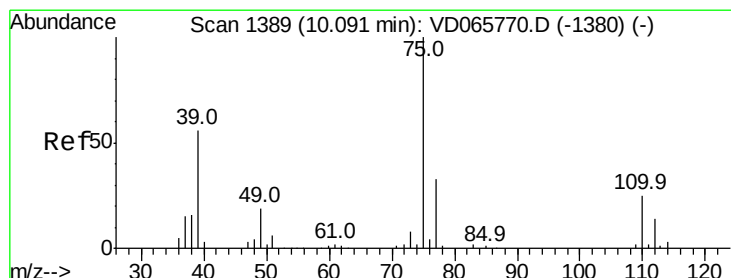
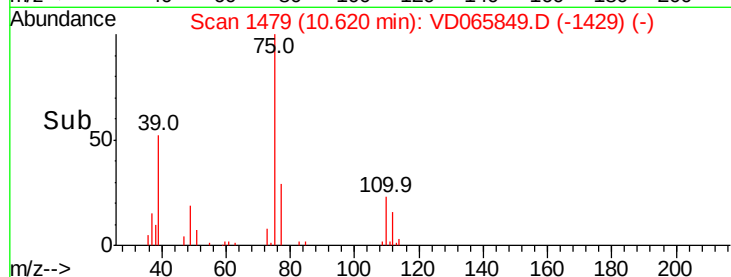
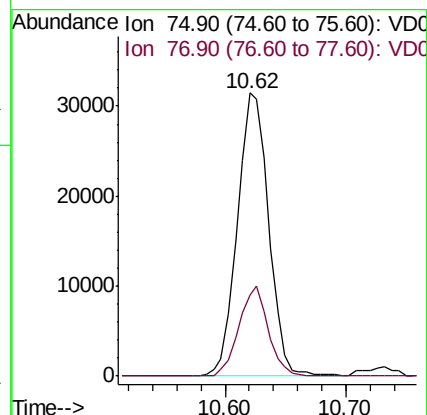
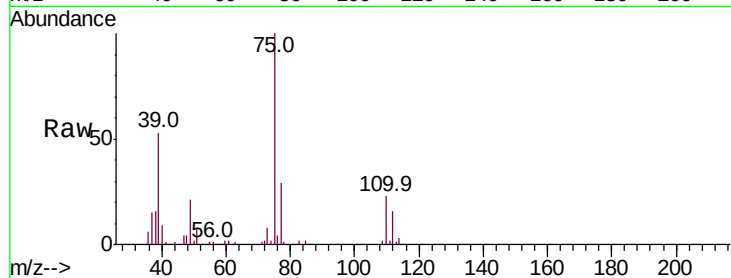
VD0622SBSD01

Tot Ion: 75 Resp: 56856

Ion Ratio Lower Upper

75 100

77 28.8 26.4 39.6



#54

cis-1,3-Dichloropropene

Concen: 22.059 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

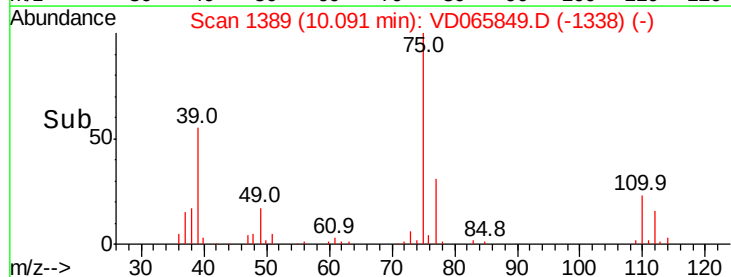
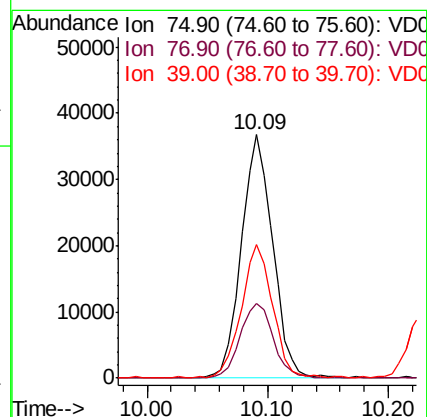
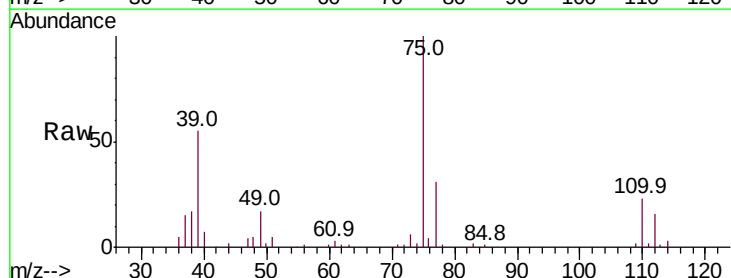
Tgt Ion: 75 Resp: 66562

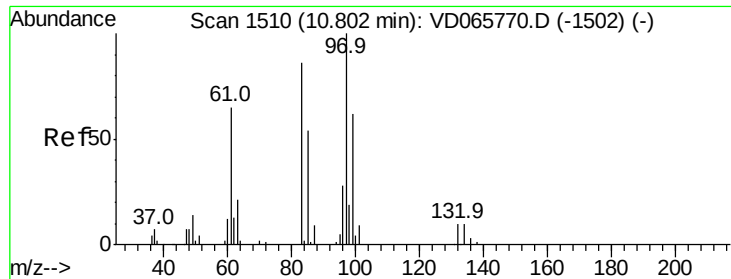
Ion Ratio Lower Upper

75 100

77 30.9 26.0 39.0

39 54.7 45.0 67.6

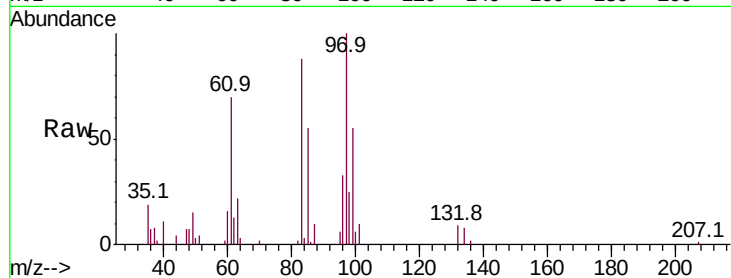




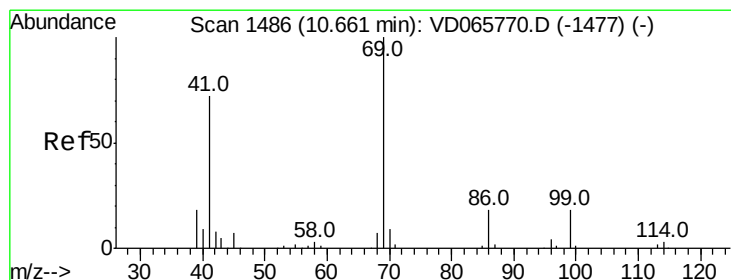
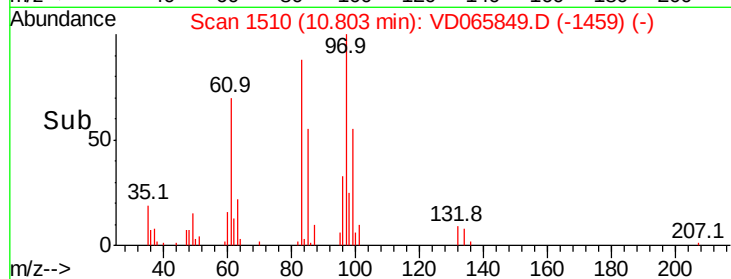
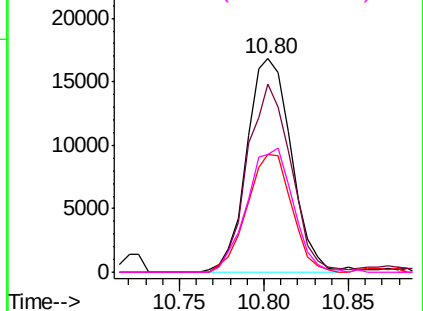
#55
 1,1,2-Trichloroethane
 Concen: 21.854 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD065849.D
 Acq: 22 Jun 2020 17:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBSD01

Tot Ion: 97 Resp: 30744
 Ion Ratio Lower Upper
 97 100
 83 88.3 68.7 103.1
 85 55.3 43.0 64.6
 99 55.3 49.8 74.6

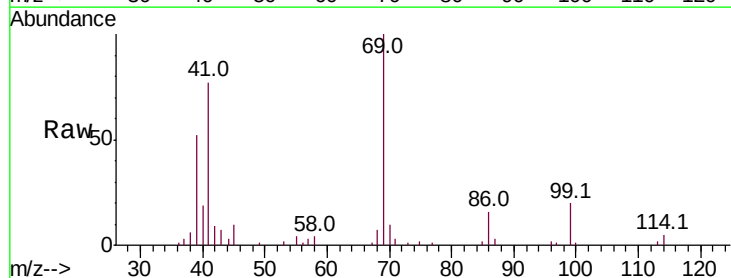


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

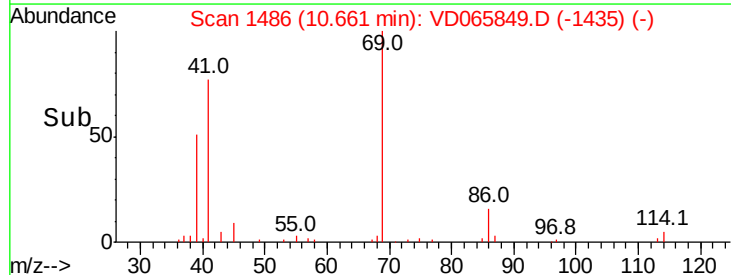
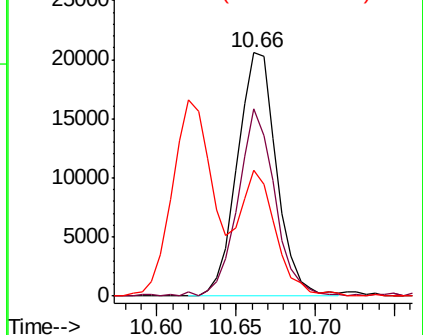


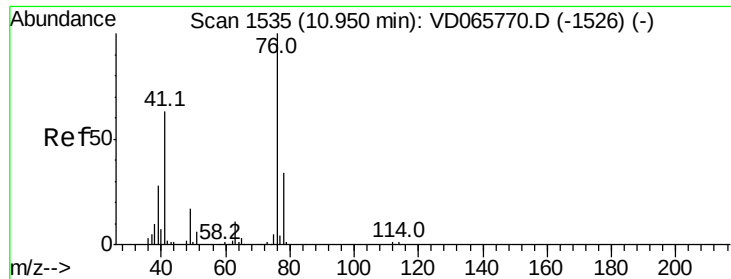
#56
 Ethyl methacrylate
 Concen: 21.387 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD065849.D
 Acq: 22 Jun 2020 17:24

Tgt Ion: 69 Resp: 35389
 Ion Ratio Lower Upper
 69 100
 41 72.5 56.9 85.3
 39 47.8 36.0 54.0



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





#57

1,3-Dichloropropane

Concen: 21.580 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

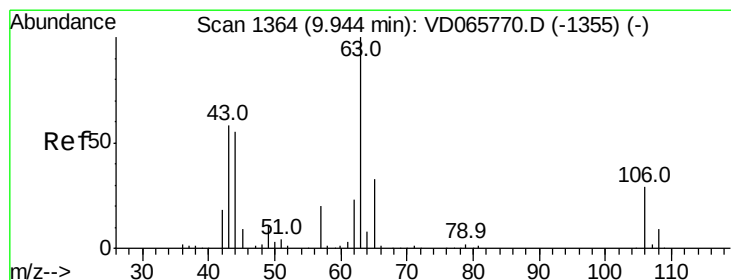
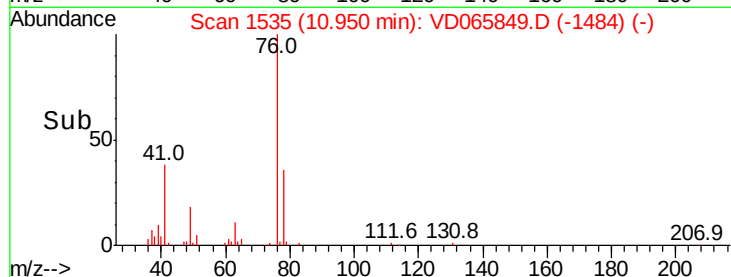
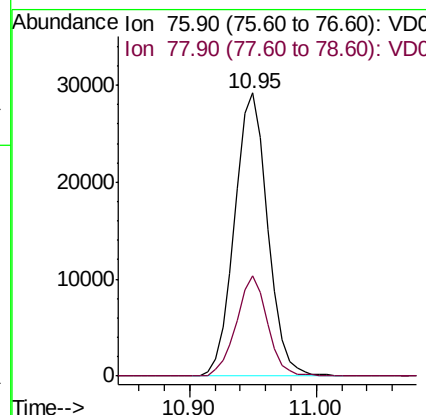
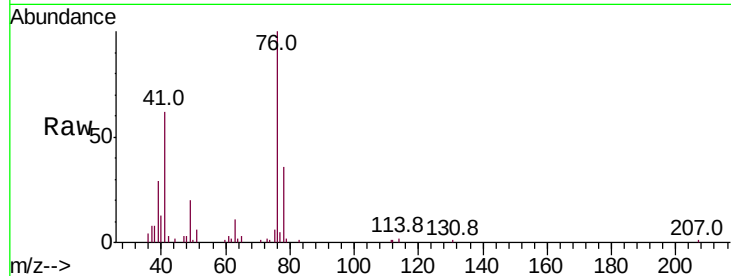
Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

Tot Ion: 76 Resp: 52596

Ion	Ratio	Lower	Upper
76	100		
78	33.3	26.3	39.5



#58

2-Chloroethyl Vinyl ether

Concen: 113.549 ug/l

RT: 9.94 min Scan# 1364

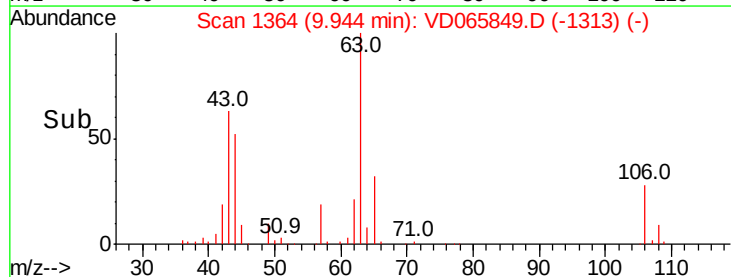
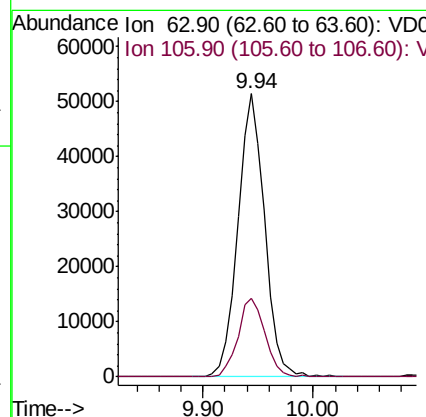
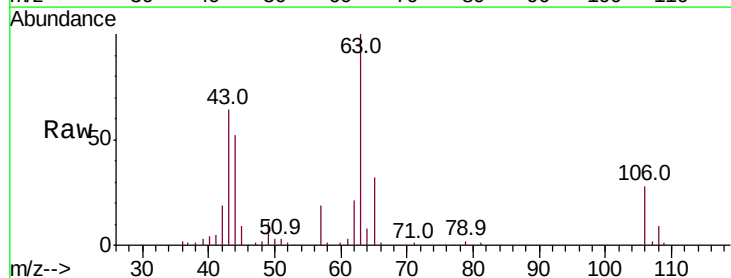
Delta R.T. 0.00 min

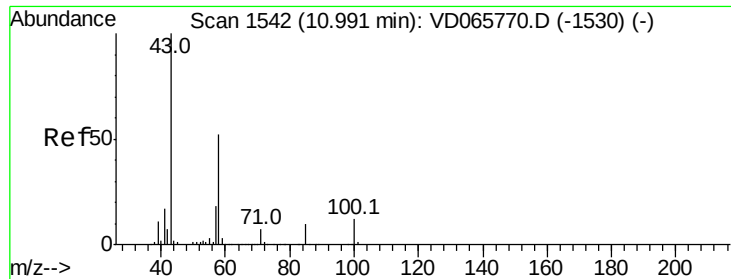
Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

Tgt Ion: 63 Resp: 87353

Ion	Ratio	Lower	Upper
63	100		
106	27.9	23.2	34.8

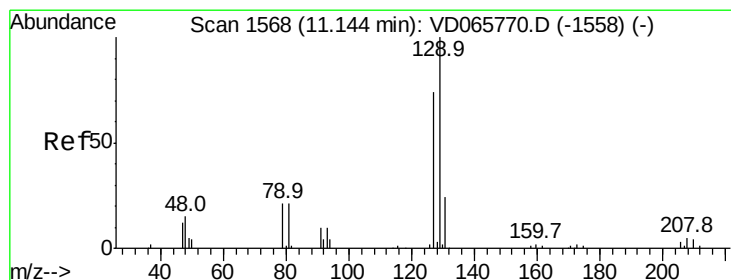
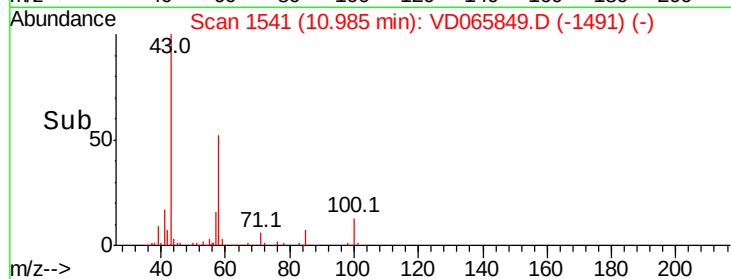
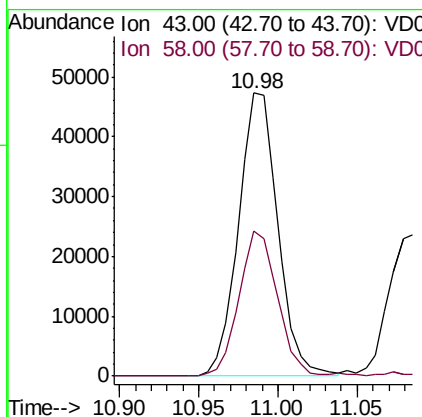
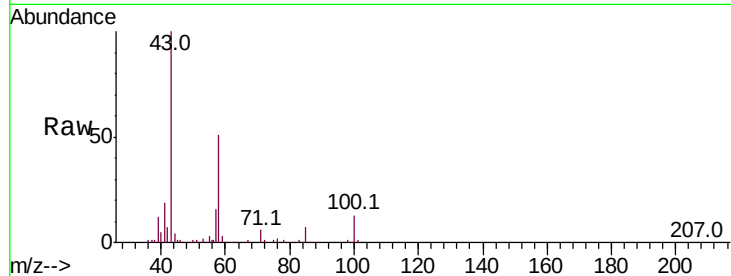




#59
2-Hexanone
Concen: 111.598 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

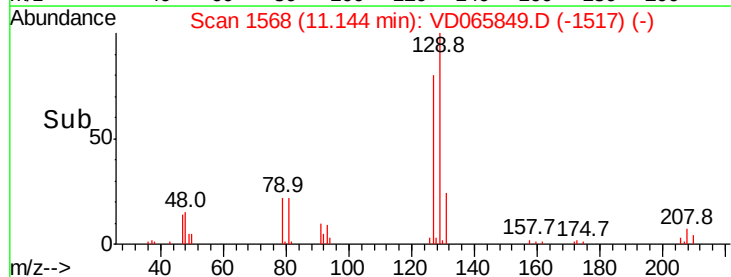
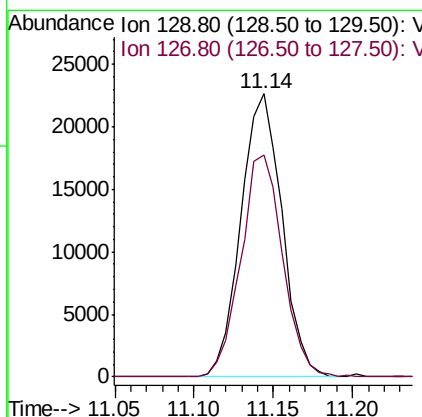
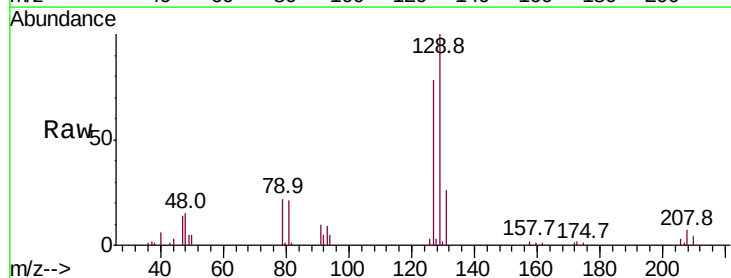
Instrument :
MSVOA_D
ClientSampleId :
VD0622SBSD01

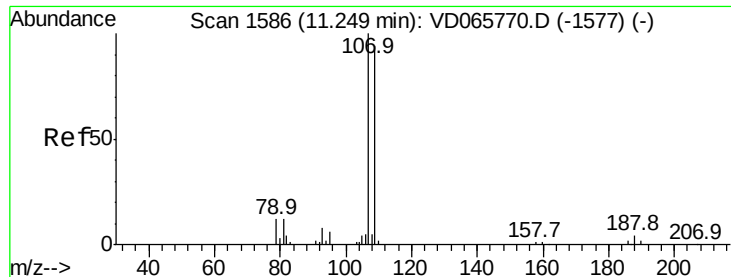
Tot Ion: 43 Resp: 81610
Ion Ratio Lower Upper
43 100
58 50.5 25.7 77.0



#60
Dibromochloromethane
Concen: 21.432 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

Tgt Ion: 129 Resp: 40731
Ion Ratio Lower Upper
129 100
127 80.0 38.0 113.9

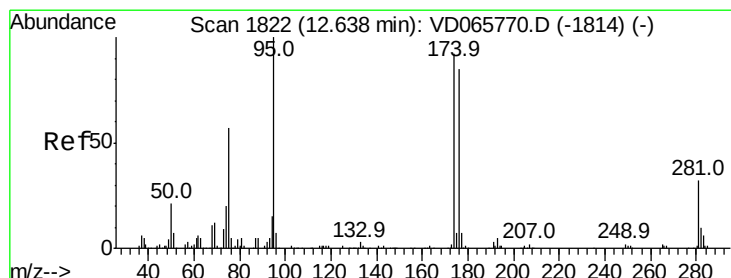
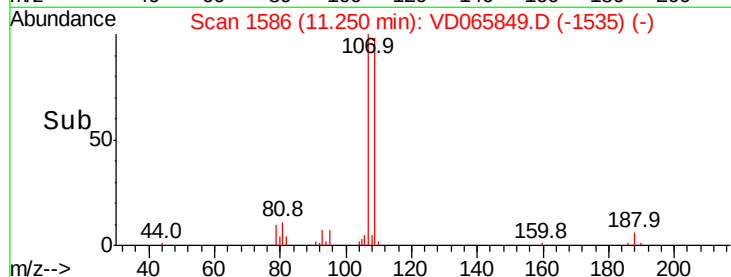
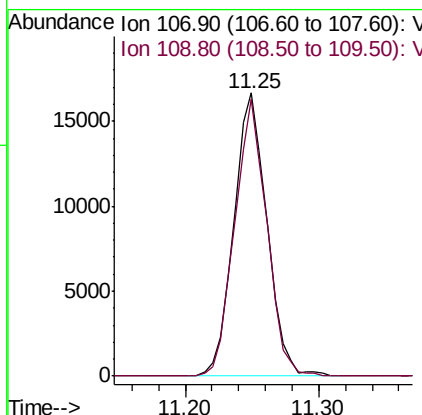
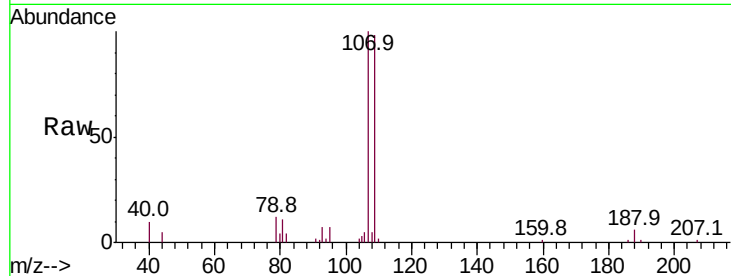




#61
 1,2-Dibromoethane
 Concen: 20.656 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065849.D
 Acq: 22 Jun 2020 17:24

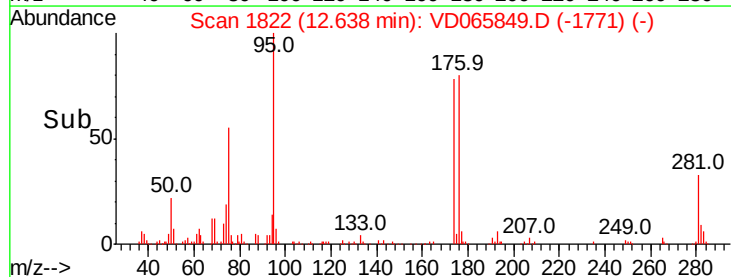
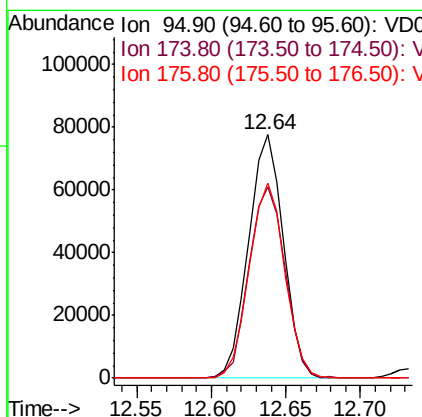
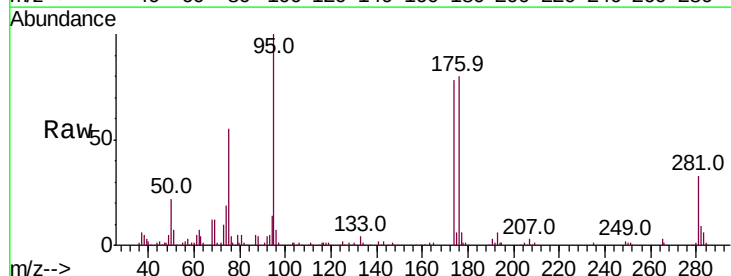
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

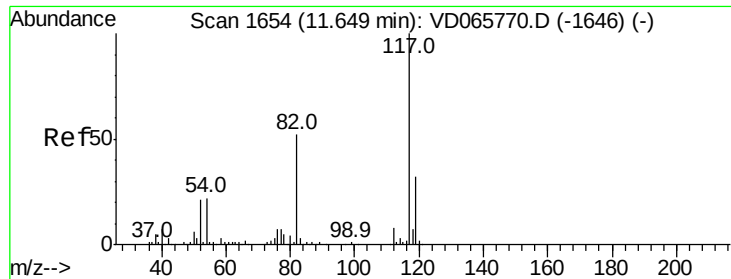
Tot Ion:107 Resp: 28558
 Ion Ratio Lower Upper
 107 100
 109 95.1 74.4 111.6



#62
 4-Bromofluorobenzene
 Concen: 53.120 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065849.D
 Acq: 22 Jun 2020 17:24

Tgt Ion: 95 Resp: 125186
 Ion Ratio Lower Upper
 95 100
 174 81.6 0.0 175.2
 176 81.4 0.0 163.0

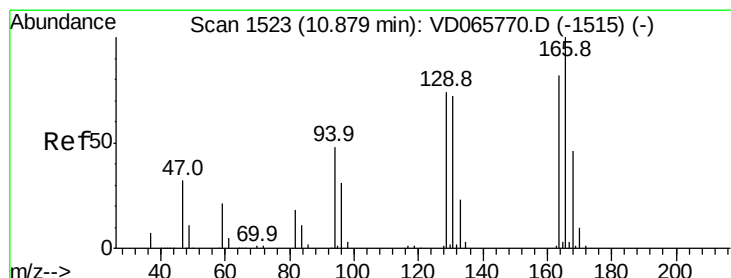
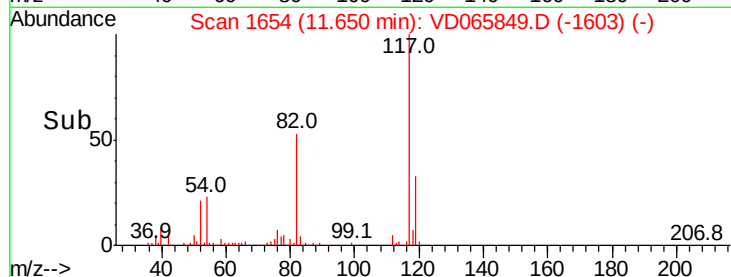
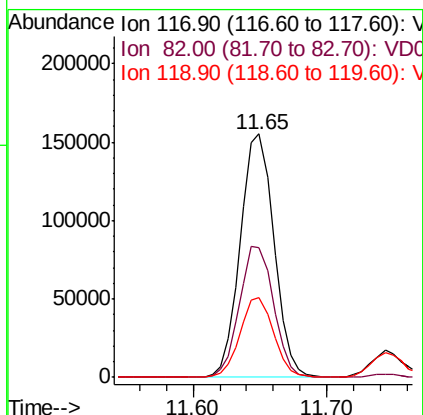
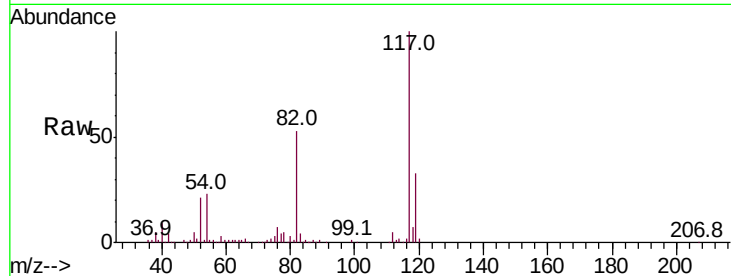




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

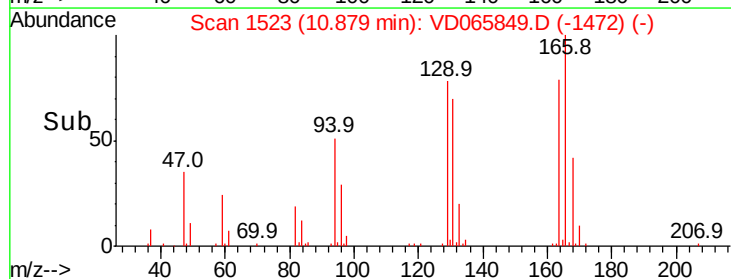
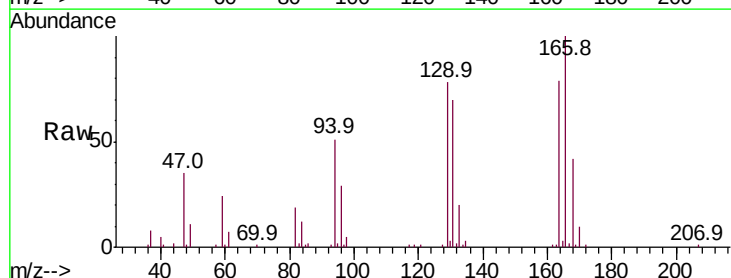
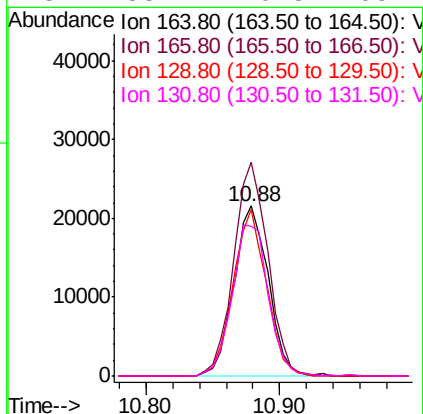
Instrument :
MSVOA_D
ClientSampleId :
VD0622SBSD01

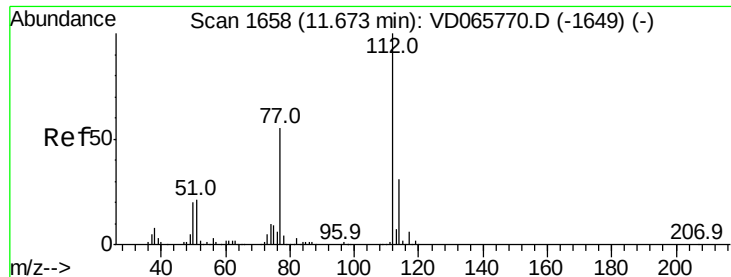
Tot Ion:117 Resp: 272251
Ion Ratio Lower Upper
117 100
82 53.5 41.9 62.9
119 32.6 25.3 37.9



#64
Tetrachloroethene
Concen: 20.988 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

Tgt Ion:164 Resp: 38639
Ion Ratio Lower Upper
164 100
166 125.9 98.2 147.2
129 98.1 72.3 108.5
131 88.2 70.5 105.7

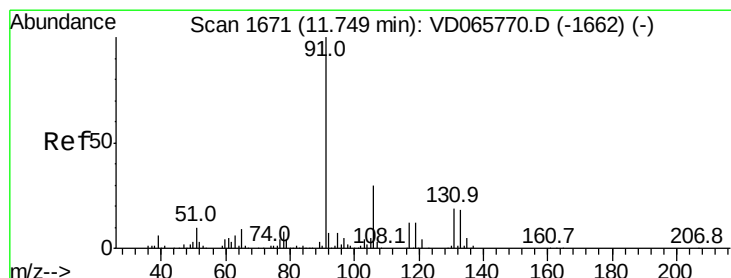
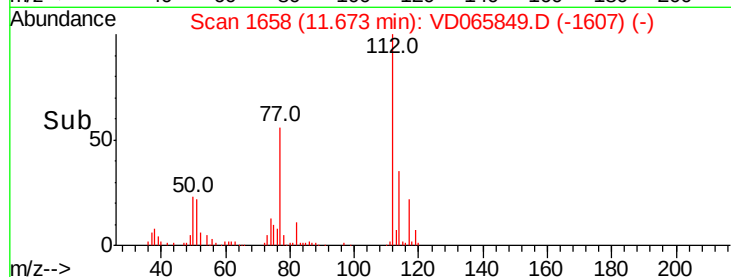
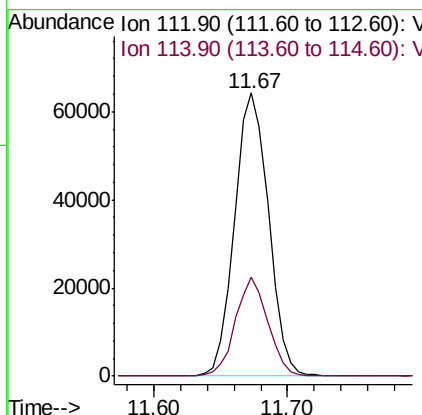
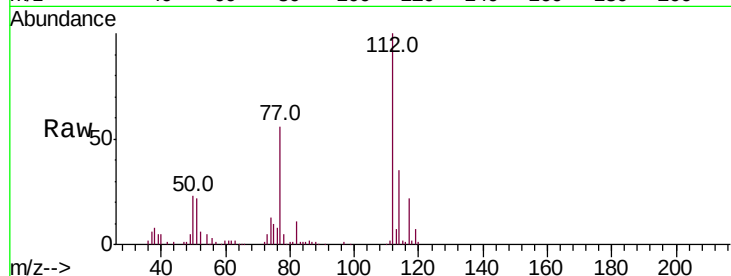




#65
Chlorobenzene
Concen: 21.327 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

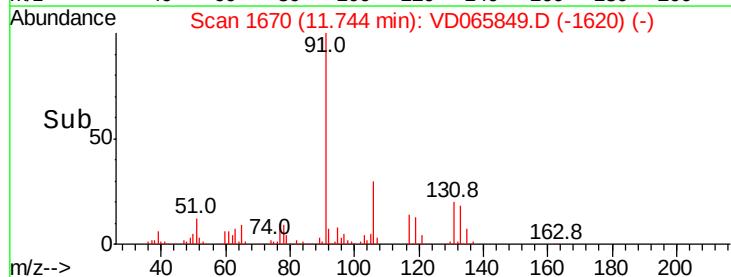
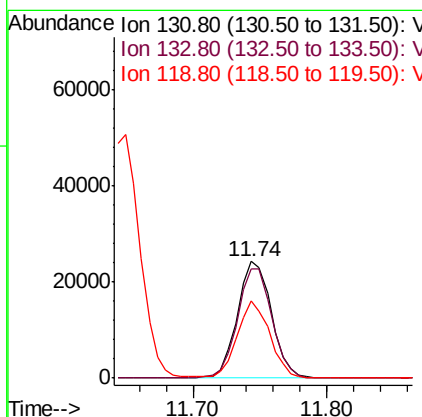
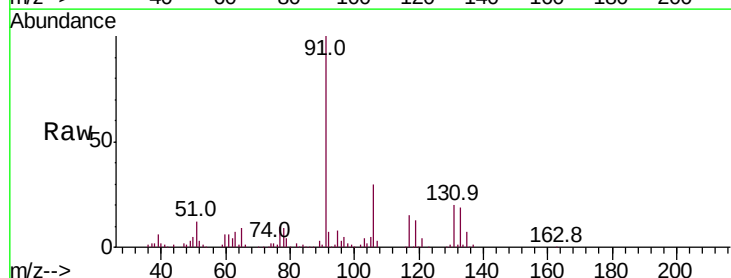
Instrument :
MSVOA_D
ClientSampleId :
VD0622SBSD01

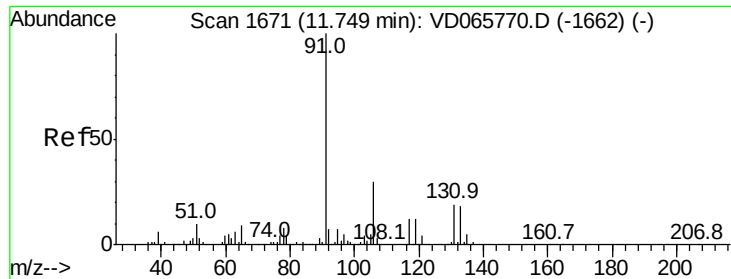
Tot Ion:112 Resp: 113353
Ion Ratio Lower Upper
112 100
114 34.8 24.7 37.1



#66
1,1,1,2-Tetrachloroethane
Concen: 21.544 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

Tgt Ion:131 Resp: 42682
Ion Ratio Lower Upper
131 100
133 95.3 47.3 141.9
119 63.6 31.6 94.8





#67

Ethyl Benzene

Concen: 21.608 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

Instrument :

MSVOA_D

ClientSampleId :

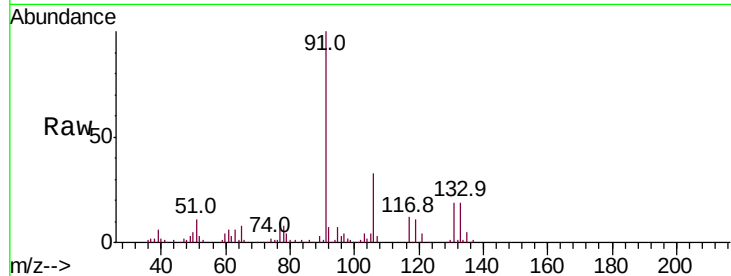
VD0622SBS01

Tot Ion: 91 Resp: 205161

Ion Ratio Lower Upper

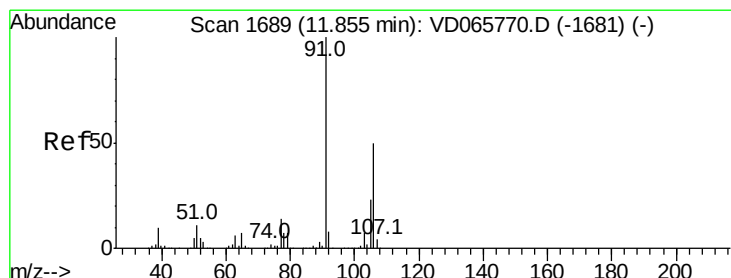
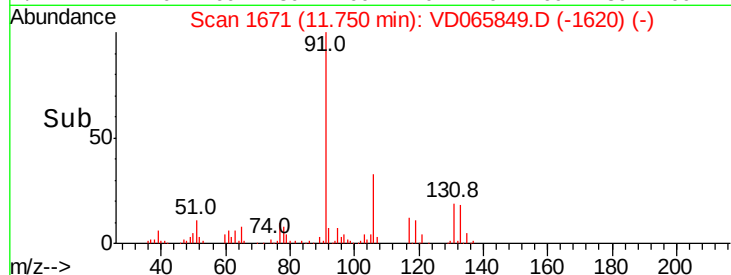
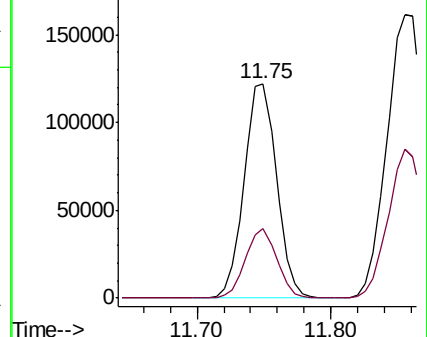
91 100

106 32.7 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 43.700 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD065849.D

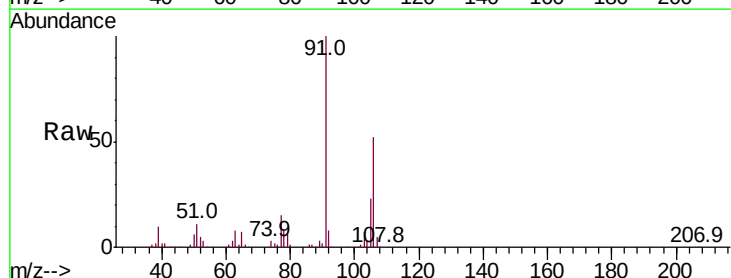
Acq: 22 Jun 2020 17:24

Tgt Ion:106 Resp: 159822

Ion Ratio Lower Upper

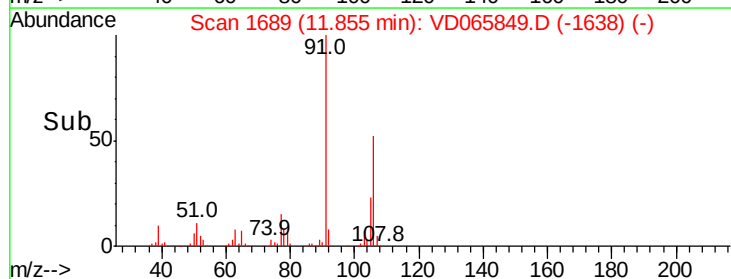
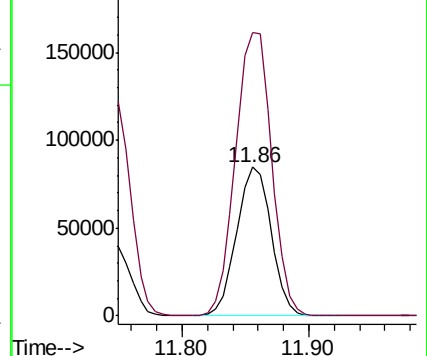
106 100

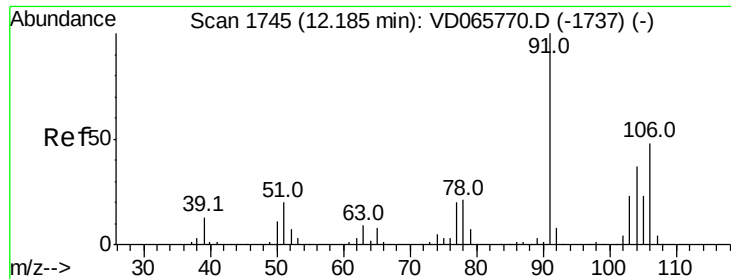
91 200.1 159.4 239.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

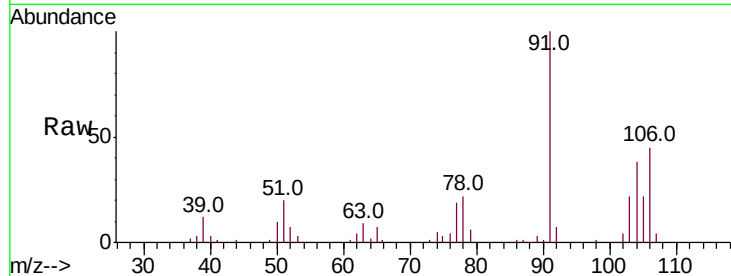




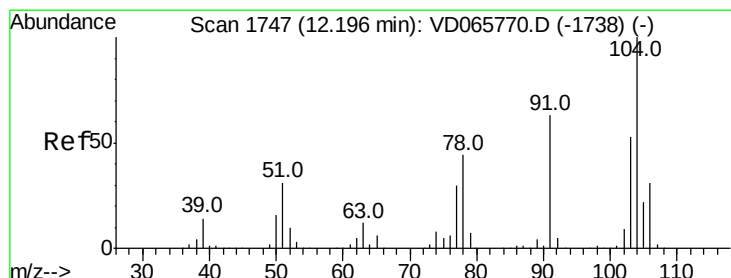
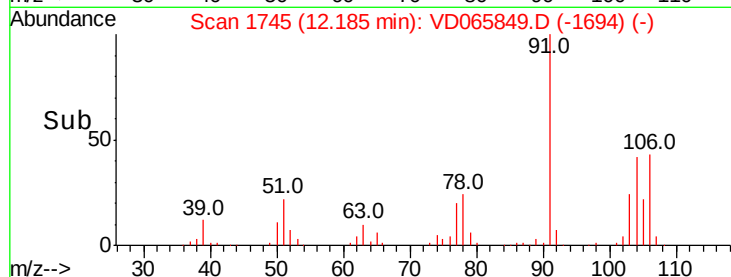
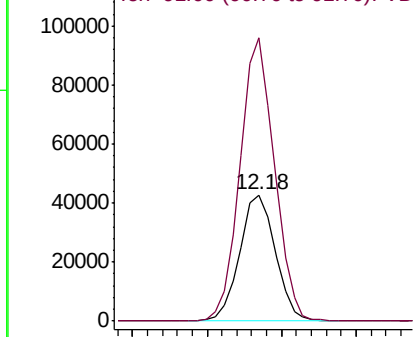
#69
o-Xylene
Concen: 21.586 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBSD01

Tot Ion:106 Resp: 71181
Ion Ratio Lower Upper
106 100
91 214.9 105.3 315.8

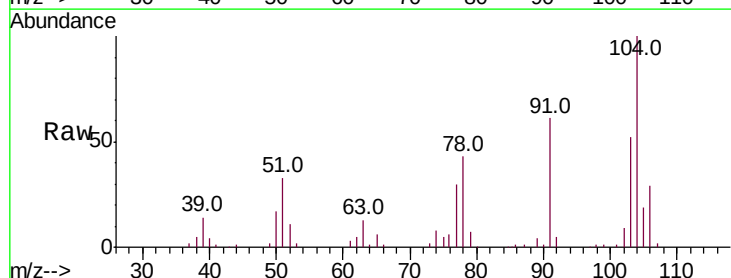


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

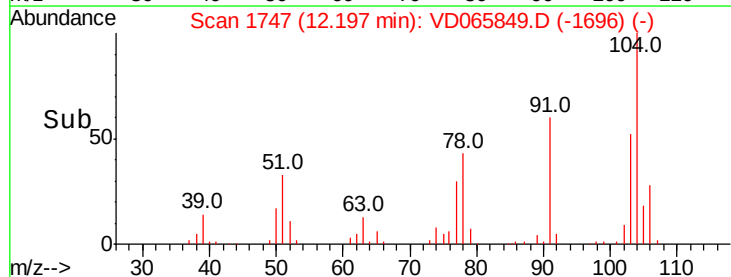
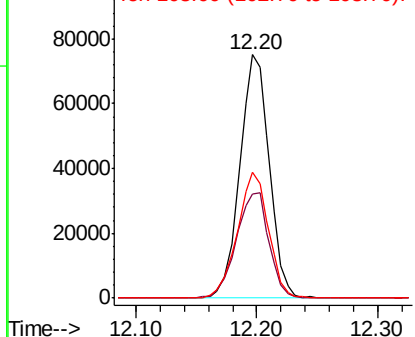


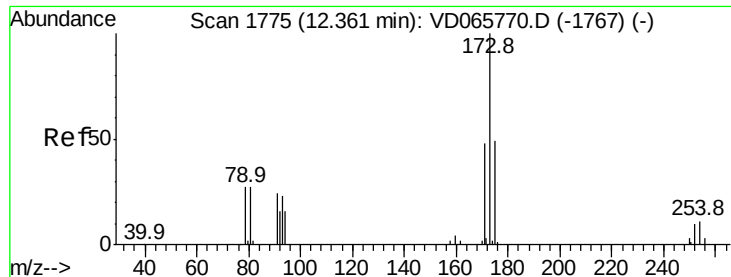
#70
Styrene
Concen: 22.288 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

Tgt Ion:104 Resp: 127228
Ion Ratio Lower Upper
104 100
78 48.1 38.6 58.0
103 54.7 43.9 65.9



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





#71

Bromoform

Concen: 21.065 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBSD01

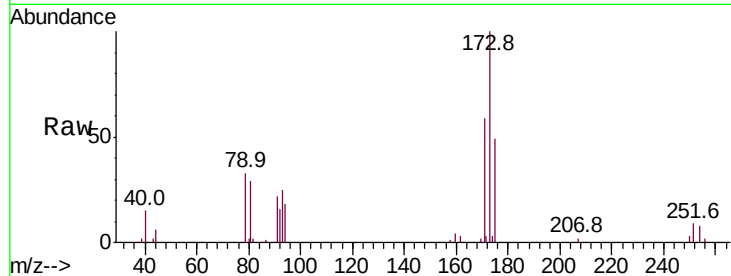
Tot Ion:173 Resp: 22982

Ion Ratio Lower Upper

173 100

175 47.8 24.8 74.4

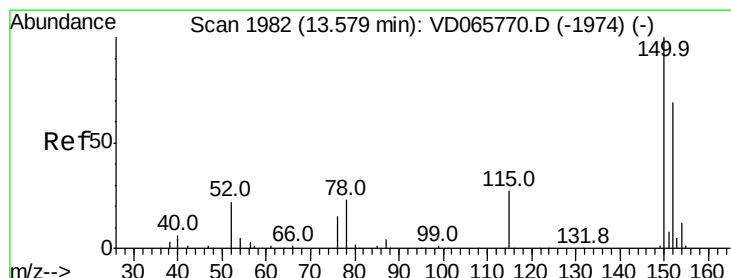
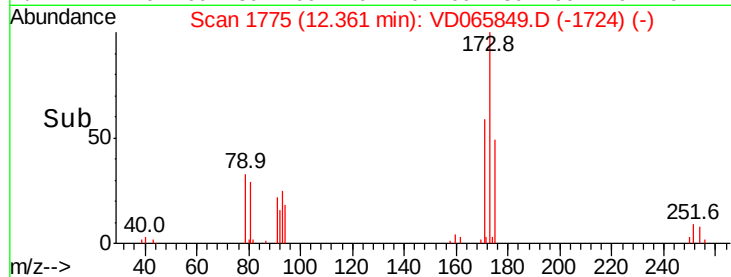
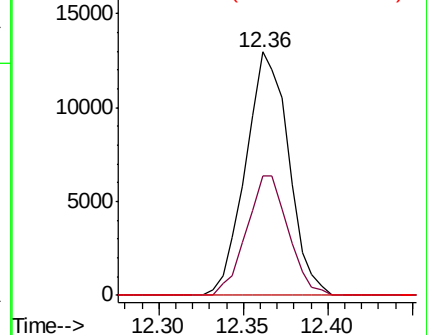
254 0.0 0.0 0.0



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: VD065849.D

Acq: 22 Jun 2020 17:24

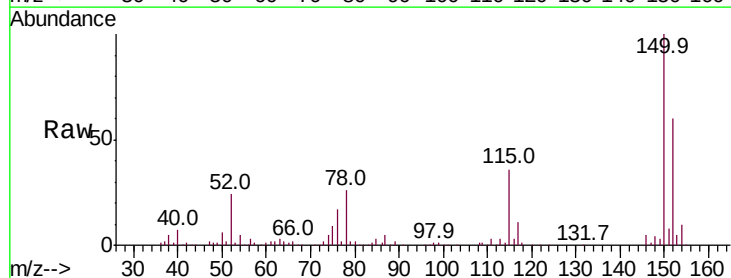
Tgt Ion:152 Resp: 137610

Ion Ratio Lower Upper

152 100

115 58.3 28.7 86.1

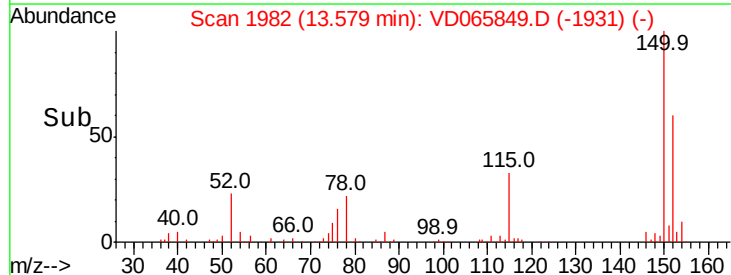
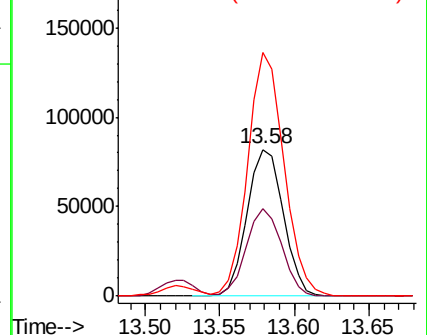
150 165.5 0.0 348.0

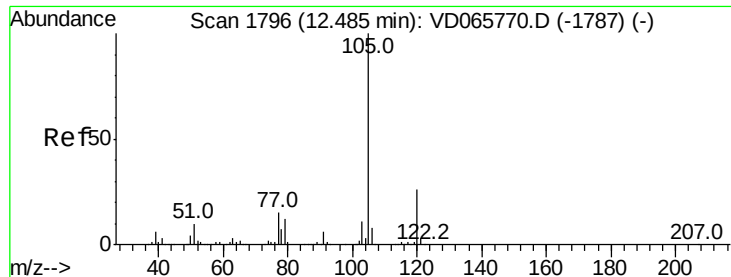


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.338 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

Instrument :

MSVOA_D

ClientSampleId :

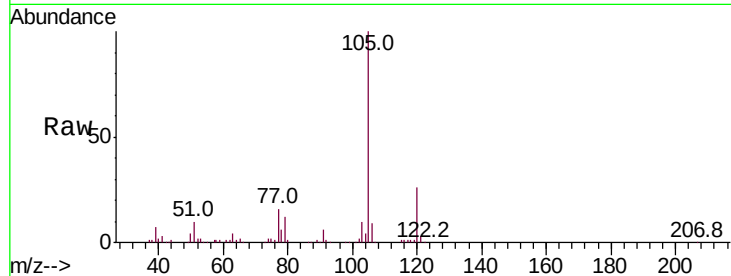
VD0622SBSD01

Tot Ion:105 Resp: 196866

Ion Ratio Lower Upper

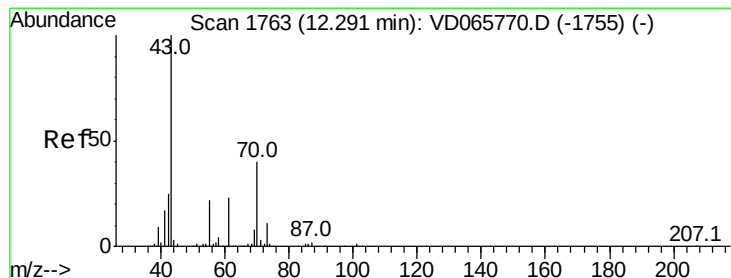
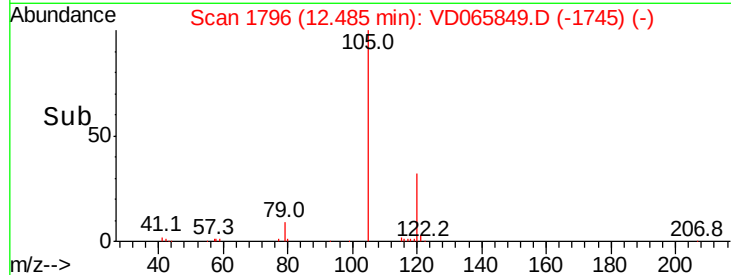
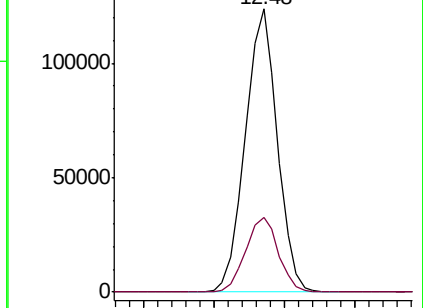
105 100

120 26.7 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.792 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

Tgt Ion: 43 Resp: 44730

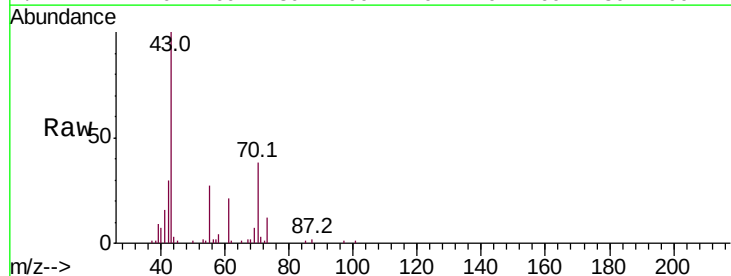
Ion Ratio Lower Upper

43 100

70 38.9 32.3 48.5

55 26.7 19.0 28.4

61 23.9 19.0 28.4

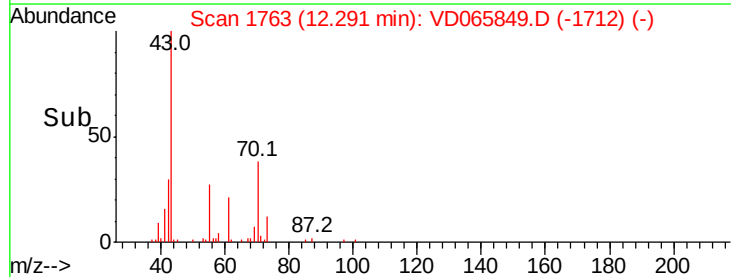
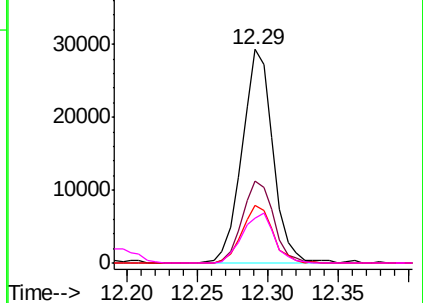


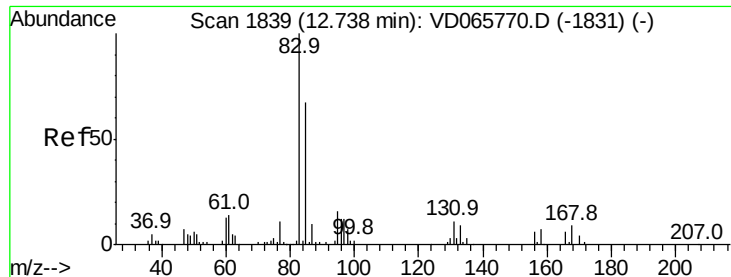
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 22.086 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

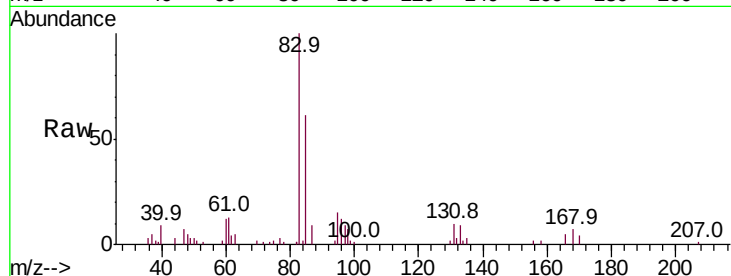
Tot Ion: 83 Resp: 34413

Ion Ratio Lower Upper

83 100

131 11.3 5.5 16.4

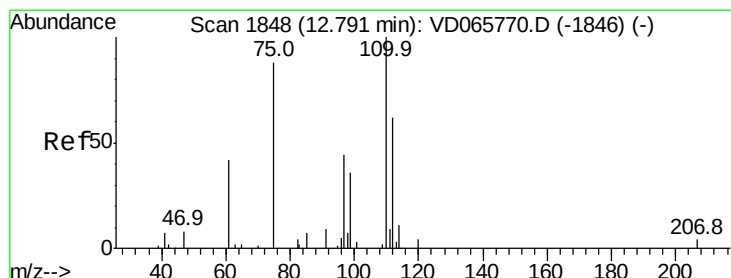
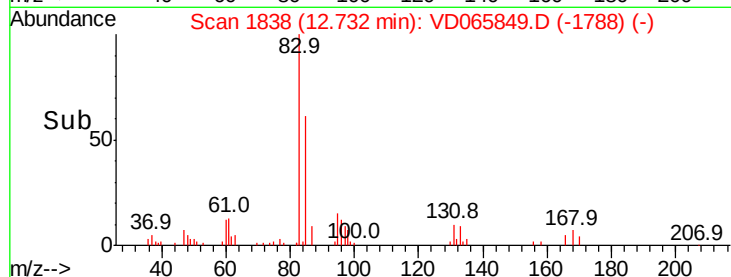
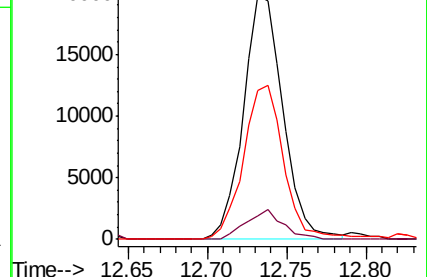
85 64.2 32.5 97.5



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: 40.887 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD065849.D

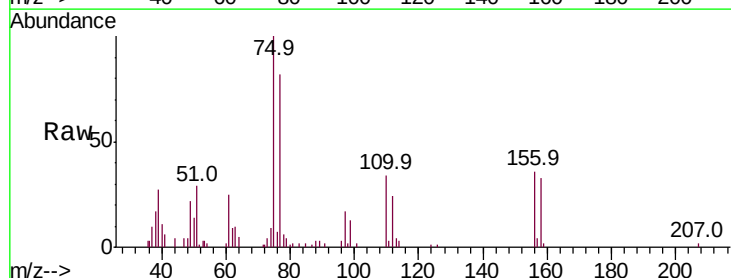
Acq: 22 Jun 2020 17:24

Tgt Ion: 75 Resp: 43758

Ion Ratio Lower Upper

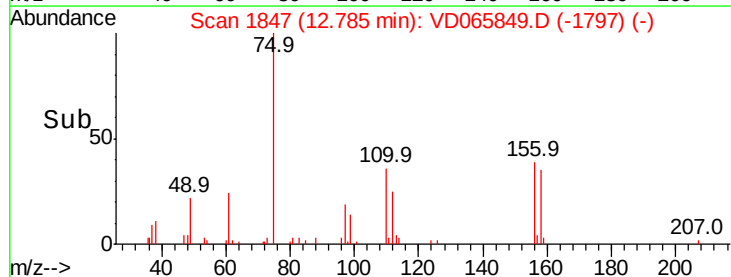
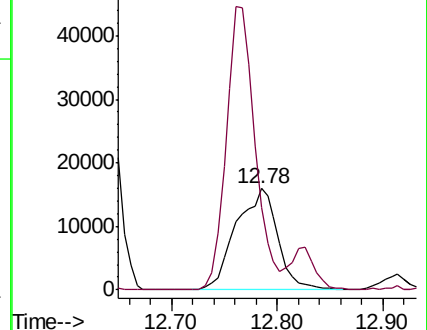
75 100

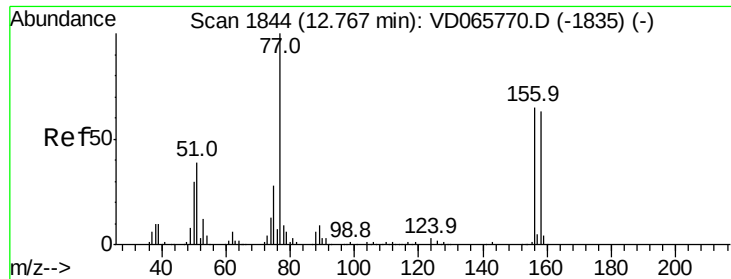
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 21.616 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

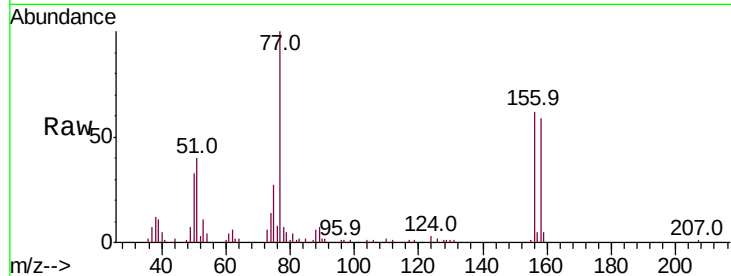
Tot Ion:156 Resp: 47187

Ion Ratio Lower Upper

156 100

77 178.4 87.3 261.8

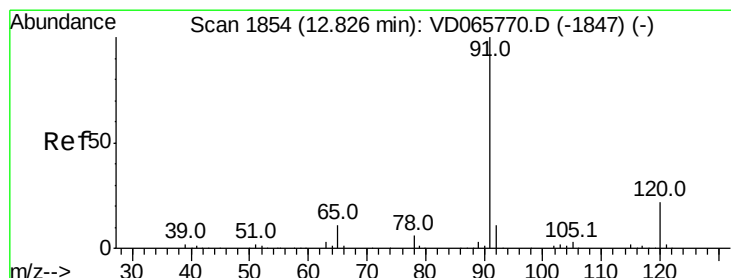
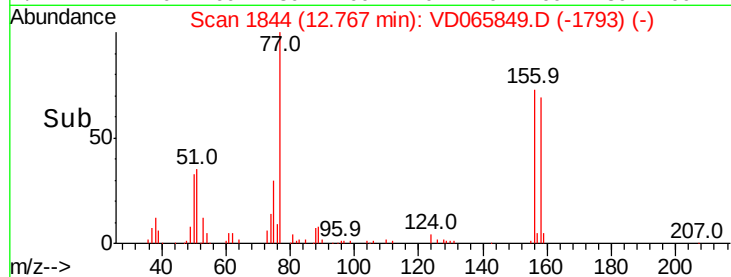
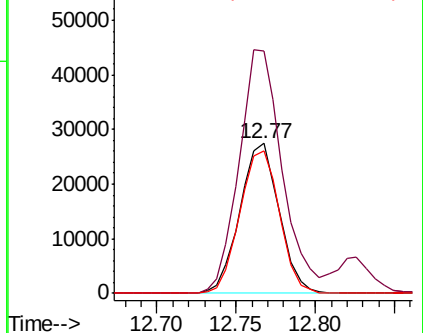
158 96.3 48.0 144.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.999 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065849.D

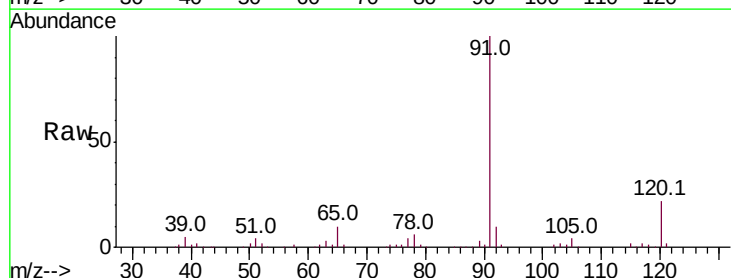
Acq: 22 Jun 2020 17:24

Tgt Ion: 91 Resp: 244313

Ion Ratio Lower Upper

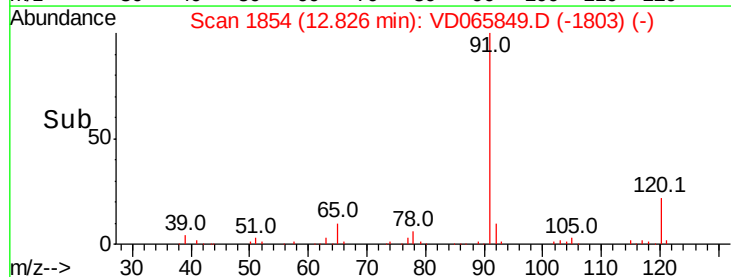
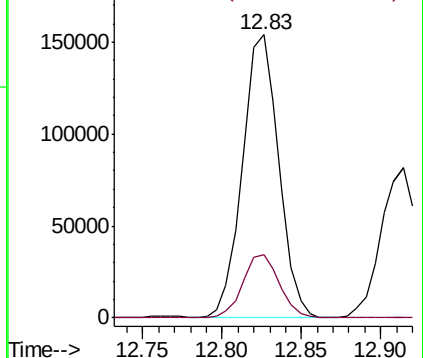
91 100

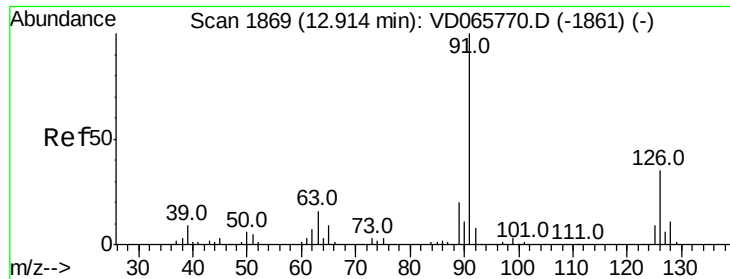
120 22.5 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

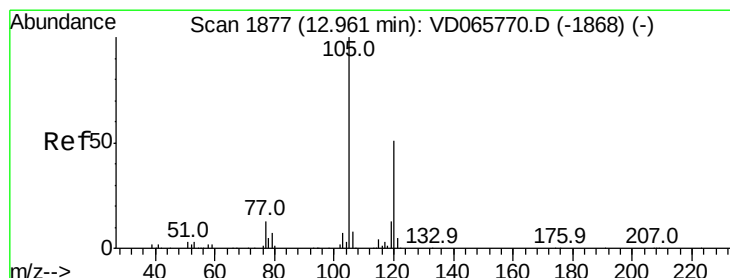
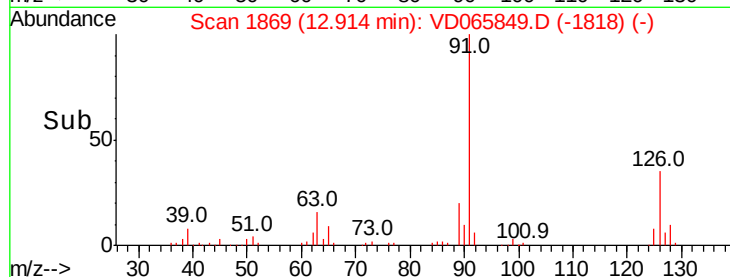
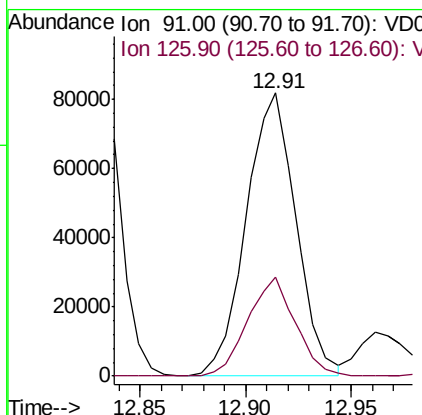
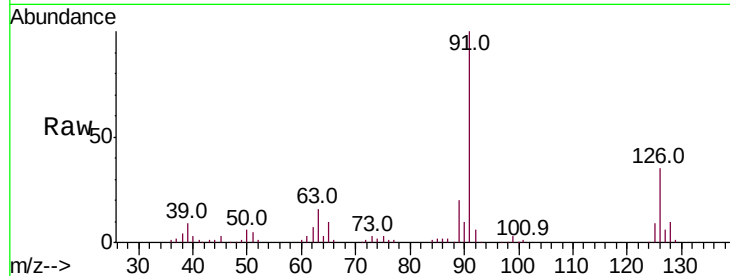




#79
2-Chlorotoluene
Concen: 21.988 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

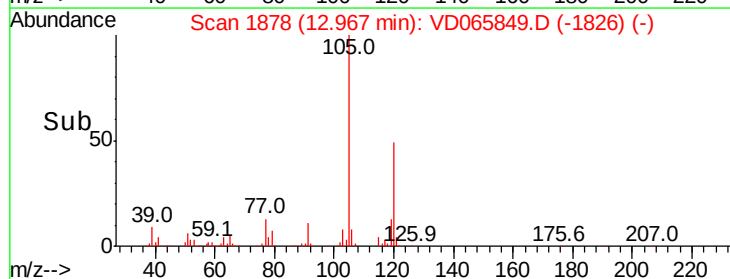
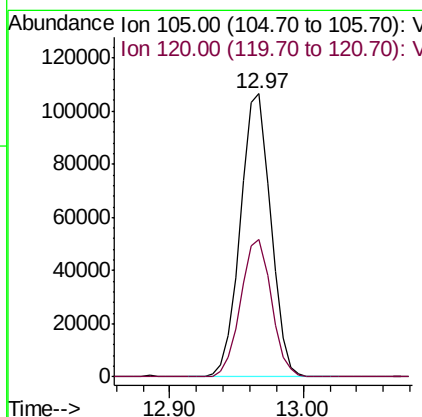
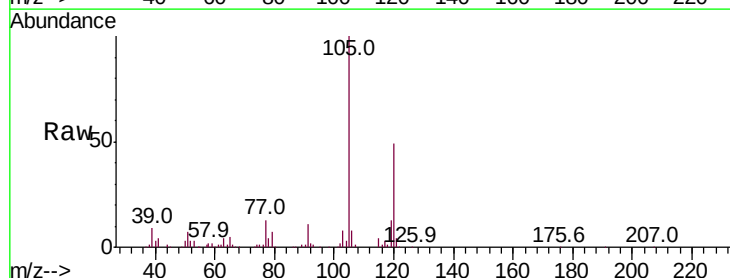
Instrument :
MSVOA_D
ClientSampleId :
VD0622SBS01

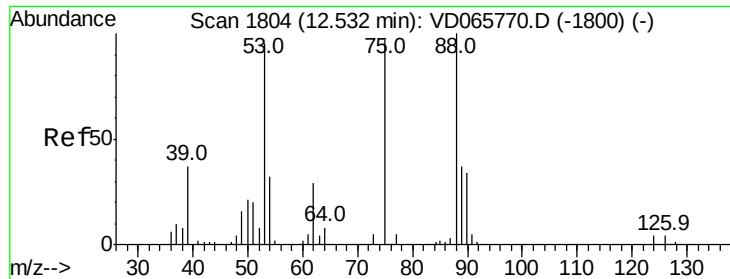
Tot Ion: 91 Resp: 133963
Ion Ratio Lower Upper
91 100
126 33.4 17.5 52.6



#80
1,3,5-Trimethylbenzene
Concen: 21.841 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.01 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

Tgt Ion:105 Resp: 167692
Ion Ratio Lower Upper
105 100
120 49.0 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 22.678 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBSD01

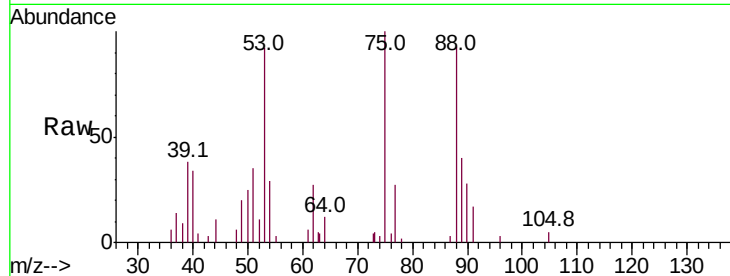
Tot Ion: 75 Resp: 11233

Ion Ratio Lower Upper

75 100

53 100.3 82.6 123.8

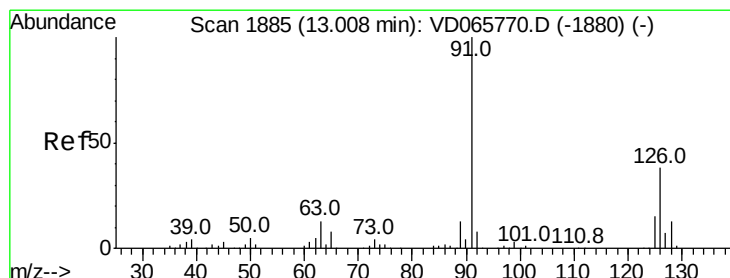
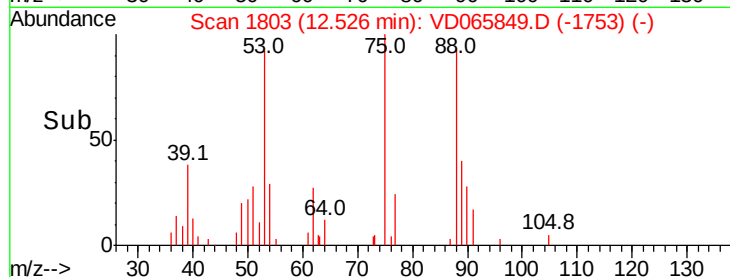
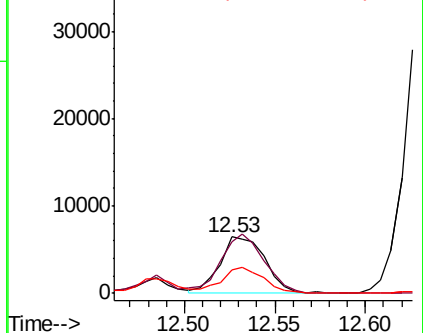
89 41.3 35.9 53.9



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: 22.050 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD065849.D

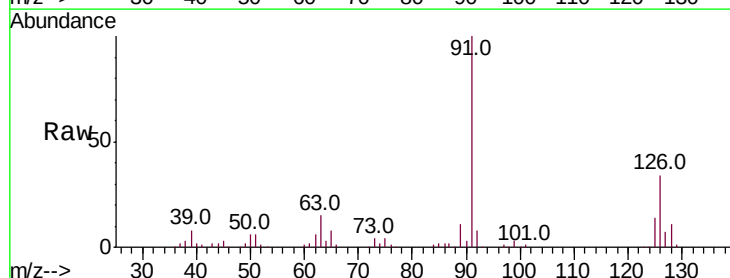
Acq: 22 Jun 2020 17:24

Tgt Ion: 91 Resp: 144196

Ion Ratio Lower Upper

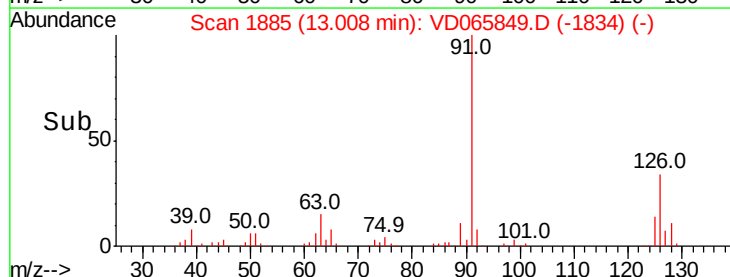
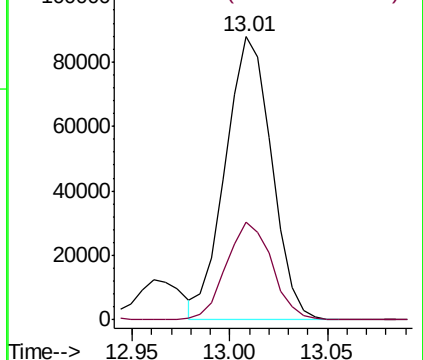
91 100

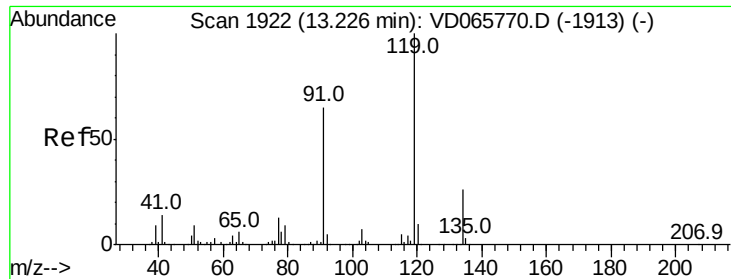
126 34.1 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

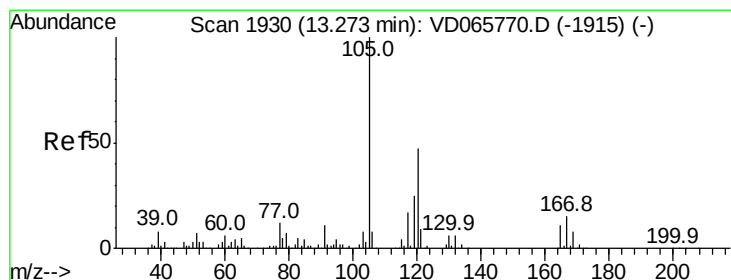
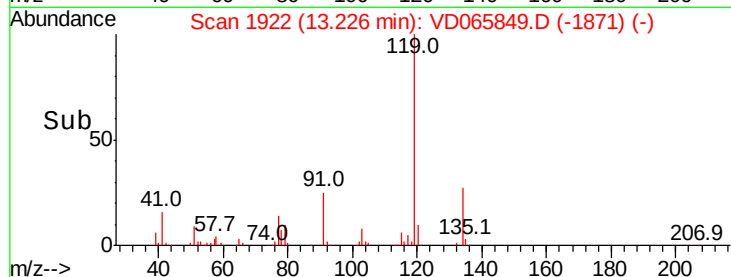
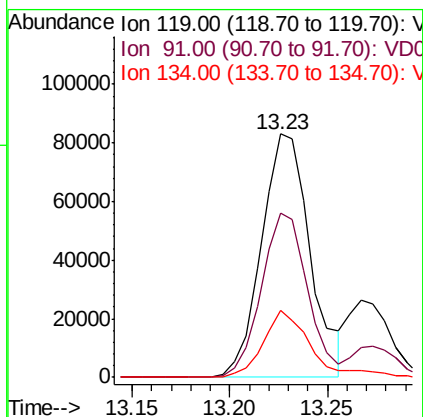
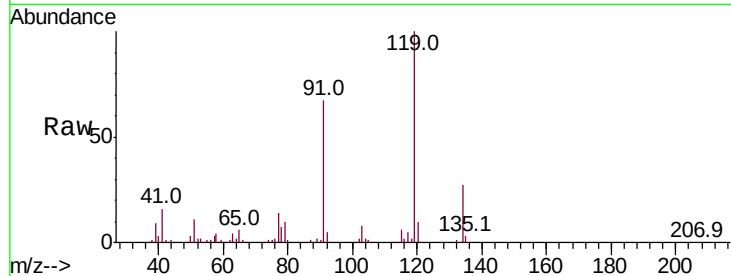




#83
tert-Butylbenzene
Concen: 21.586 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

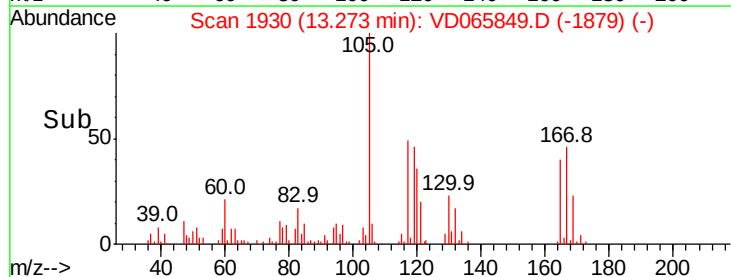
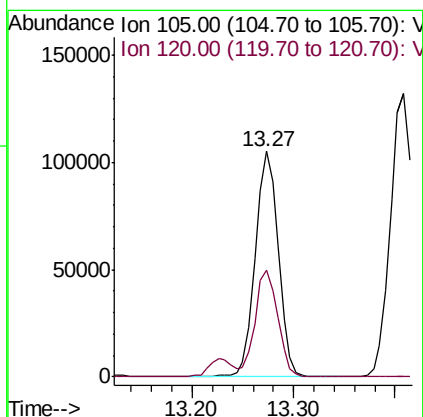
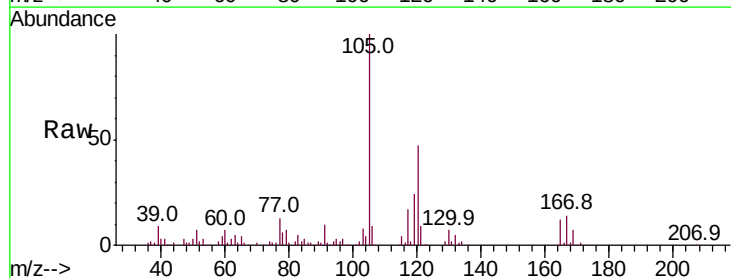
Instrument :
MSVOA_D
ClientSampleId :
VD0622SBSD01

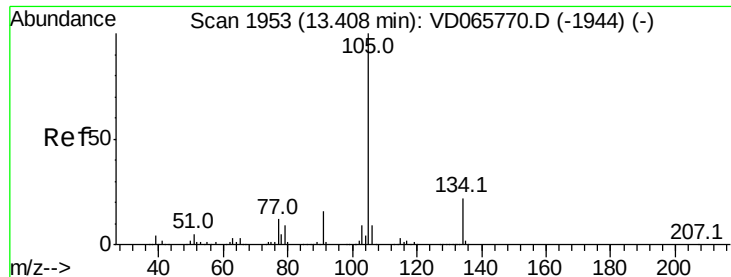
Tot Ion:119 Resp: 143801
Ion Ratio Lower Upper
119 100
91 63.9 32.0 96.0
134 27.1 13.8 41.4



#84
1,2,4-Trimethylbenzene
Concen: 21.767 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

Tgt Ion:105 Resp: 167277
Ion Ratio Lower Upper
105 100
120 46.7 23.3 69.8





#85

sec-Butylbenzene

Concen: 22.134 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

Instrument :

MSVOA_D

ClientSampleId :

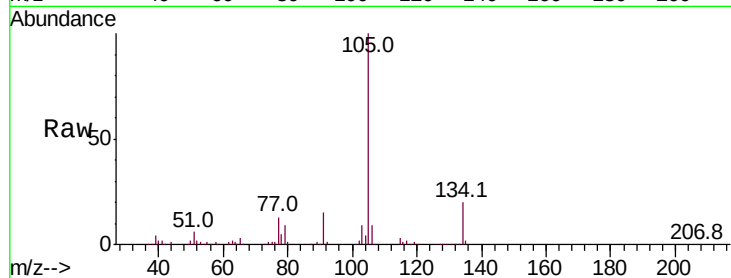
VD0622SBS01

Tot Ion:105 Resp: 205208

Ion Ratio Lower Upper

105 100

134 20.1 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

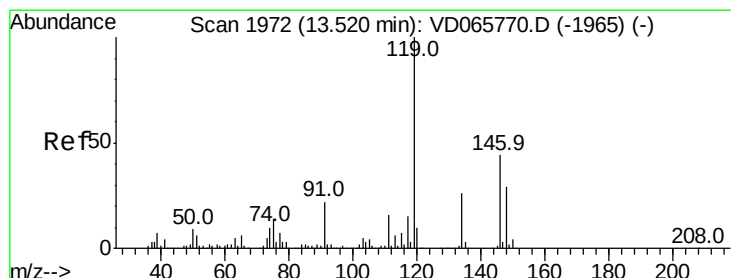
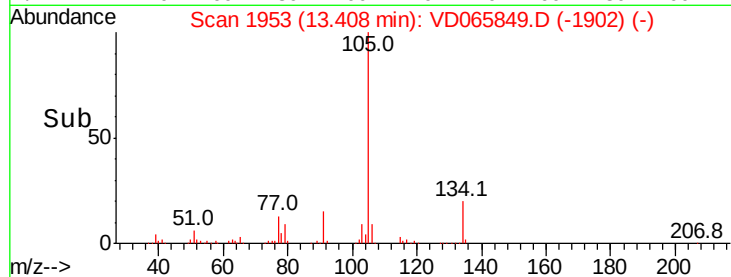
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.723 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

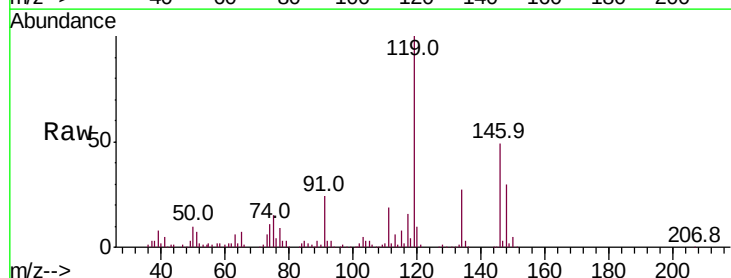
Tgt Ion:119 Resp: 184592

Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.9

91 24.5 11.8 35.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.52

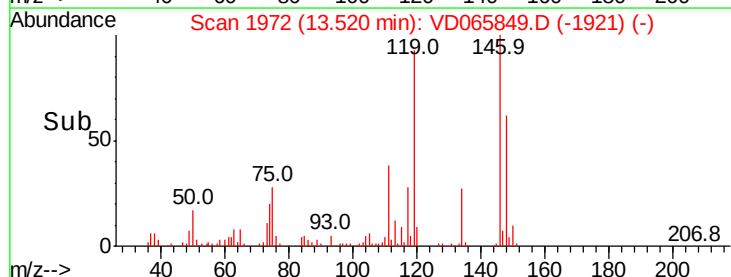
150000

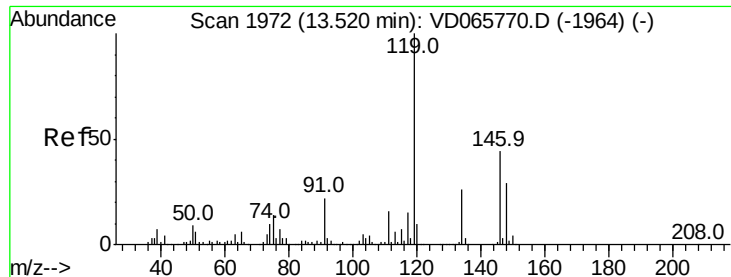
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 21.797 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

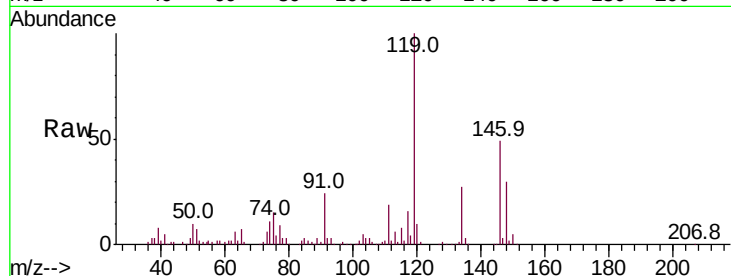
Tot Ion:146 Resp: 93817

Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.2	57.6
148	64.1	32.1	96.3

146 100

111 38.4 19.2 57.6

148 64.1 32.1 96.3

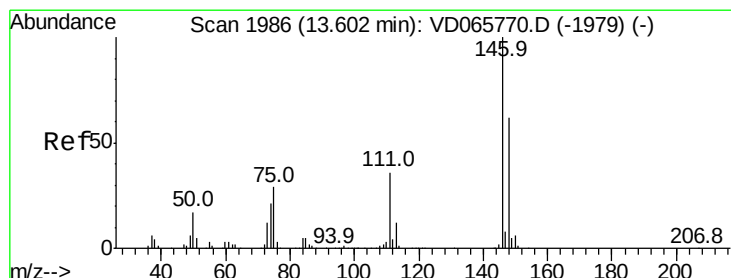
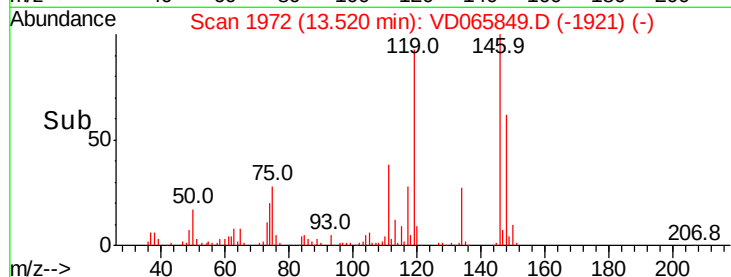
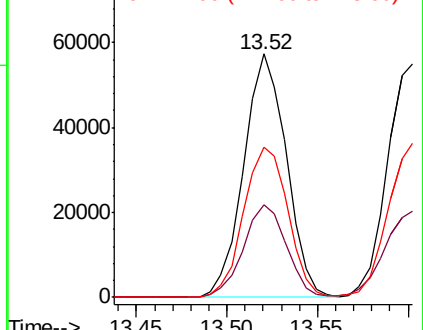


Abundance

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



#88

1,4-Dichlorobenzene

Concen: 21.401 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

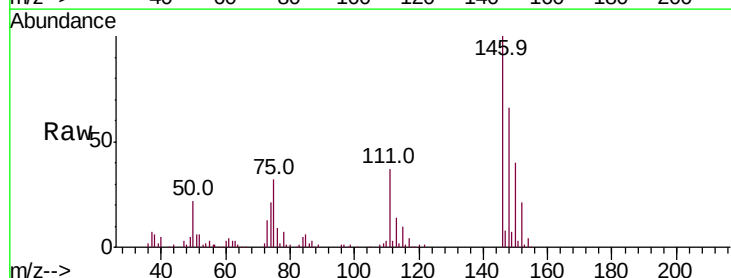
Tgt Ion:146 Resp: 91631

Ion	Ratio	Lower	Upper
146	100		
111	39.2	18.9	56.7
148	63.7	31.6	94.7

146 100

111 39.2 18.9 56.7

148 63.7 31.6 94.7

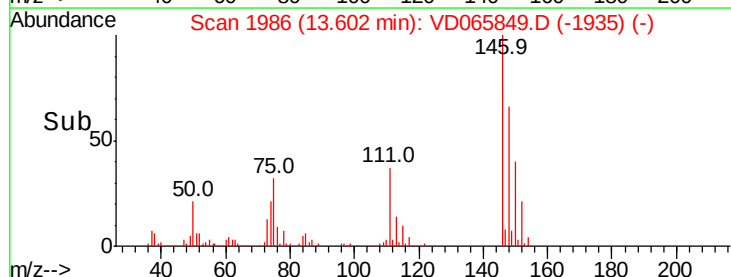
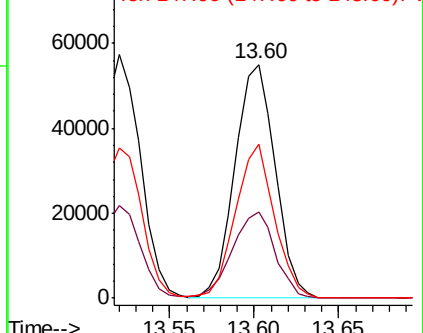


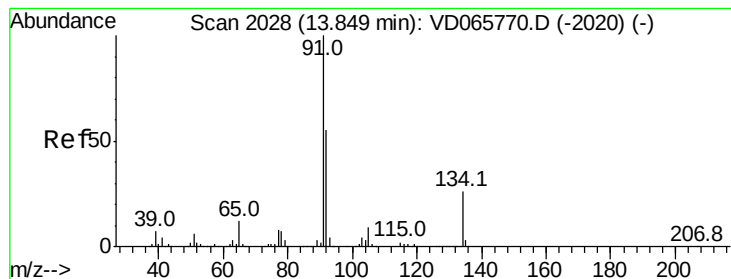
Abundance

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: 21.785 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. 0.00 min

Lab File: VD065849.D

Acq: 22 Jun 2020 17:24

Instrument :

MSVOA_D

ClientSampleId :

VD0622SBS01

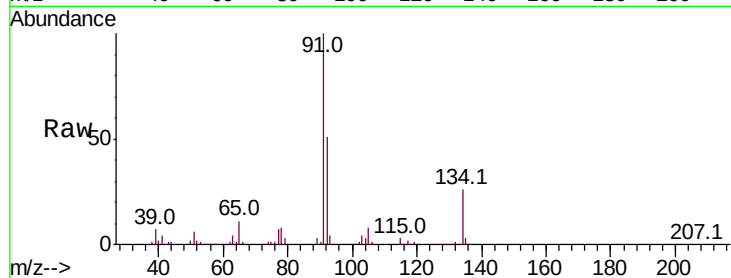
Tot Ion: 91 Resp: 176557

Ion	Ratio	Lower	Upper
91	100		
92	51.8	27.0	81.0
134	25.4	13.0	39.0

91 100

92 51.8 27.0 81.0

134 25.4 13.0 39.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V

13.85

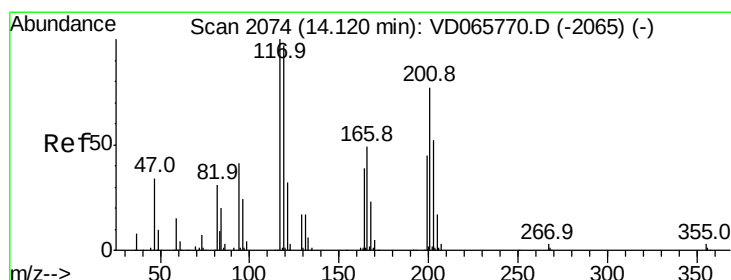
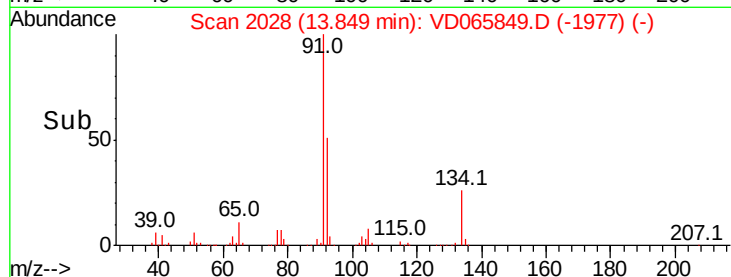
150000

100000

50000

0

Time--> 13.75 13.80 13.85 13.90



#90

Hexachloroethane

Concen: 21.533 ug/l

RT: 14.11 min Scan# 2073

Delta R.T. -0.01 min

Lab File: VD065849.D

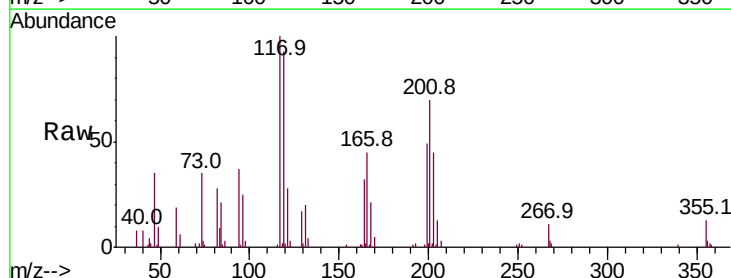
Acq: 22 Jun 2020 17:24

Tgt Ion: 117 Resp: 36626

Ion	Ratio	Lower	Upper
117	100		
201	72.3	37.1	111.5

117 100

201 72.3 37.1 111.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

25000

20000

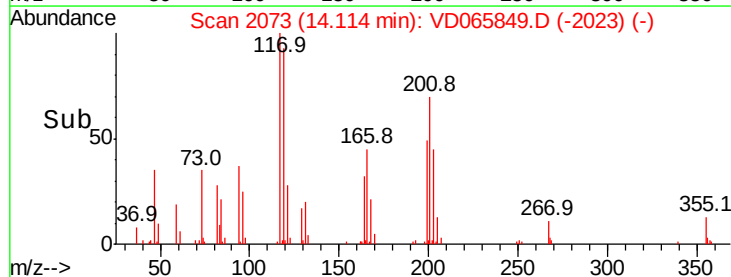
15000

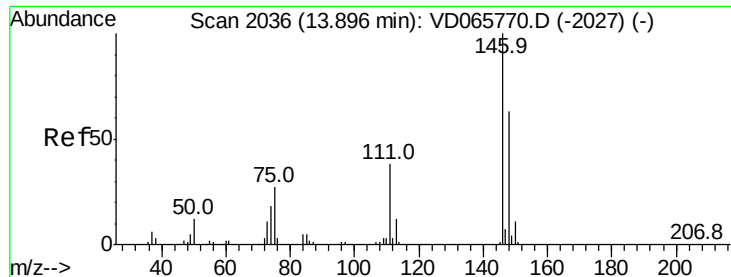
10000

5000

0

Time--> 14.05 14.10 14.15

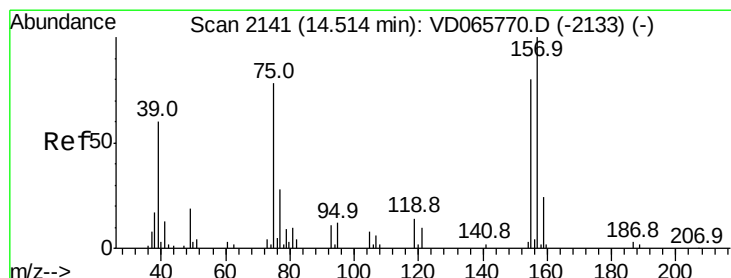
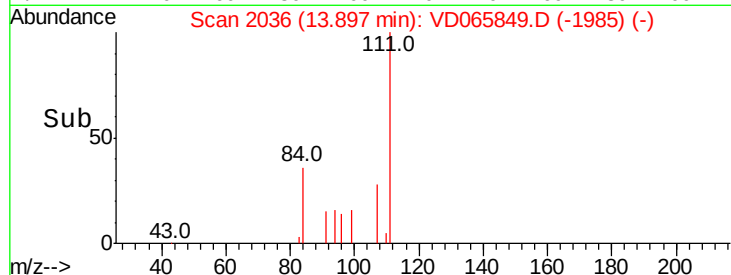
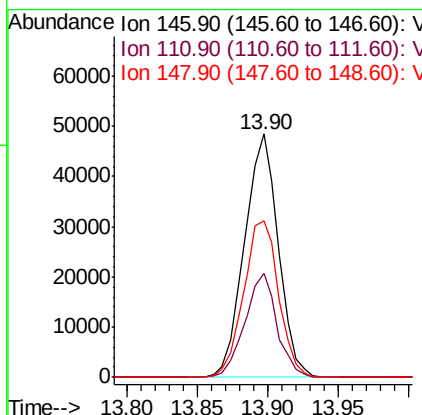
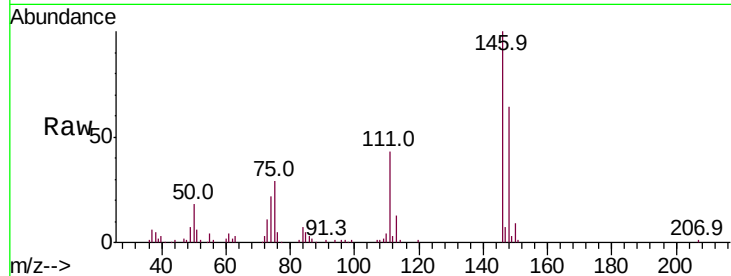




#91
 1,2-Dichlorobenzene
 Concen: 21.944 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD065849.D
 Acq: 22 Jun 2020 17:24

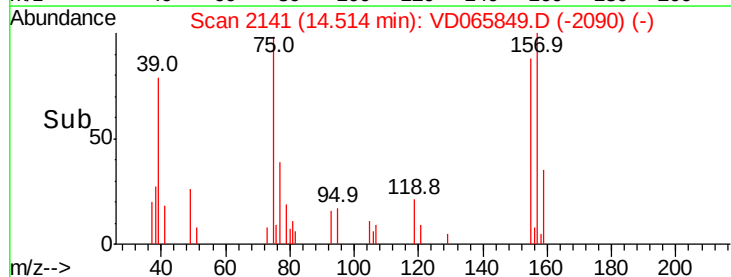
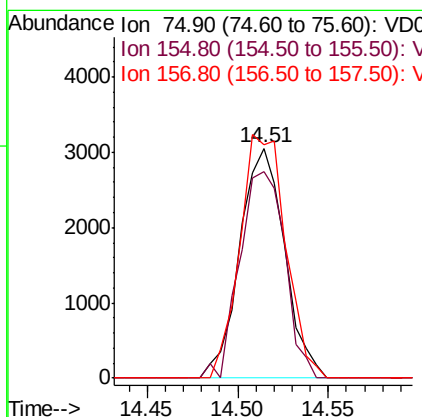
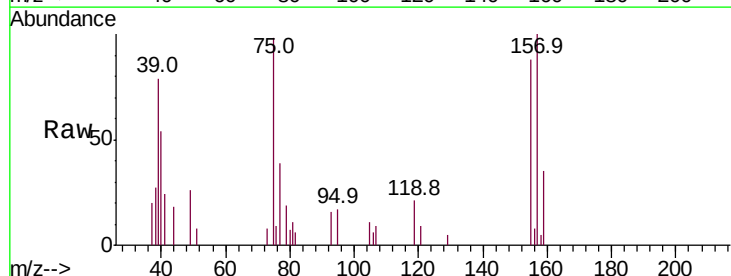
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBS01

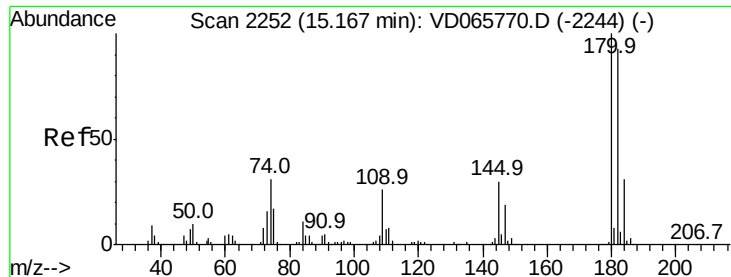
Tot Ion:146 Resp: 81286
 Ion Ratio Lower Upper
 146 100
 111 40.3 19.8 59.4
 148 66.5 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.292 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD065849.D
 Acq: 22 Jun 2020 17:24

Tgt Ion: 75 Resp: 5262
 Ion Ratio Lower Upper
 75 100
 155 90.2 46.3 138.9
 157 108.0 58.1 174.3

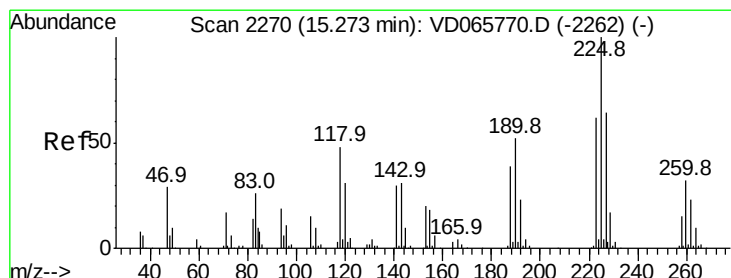
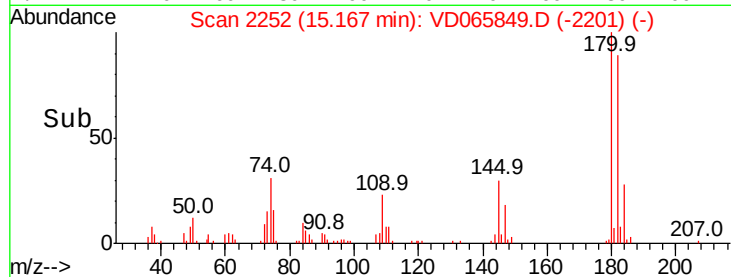
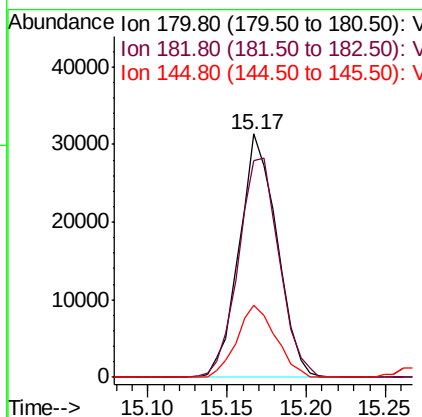
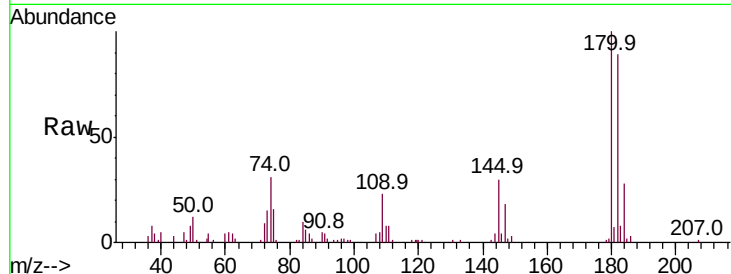




#93
 1,2,4-Trichlorobenzene
 Concen: 20.611 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD065849.D
 Acq: 22 Jun 2020 17:24

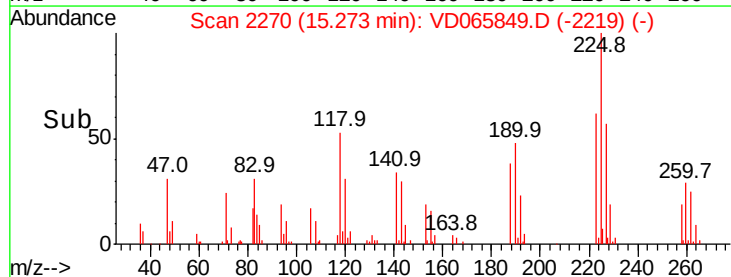
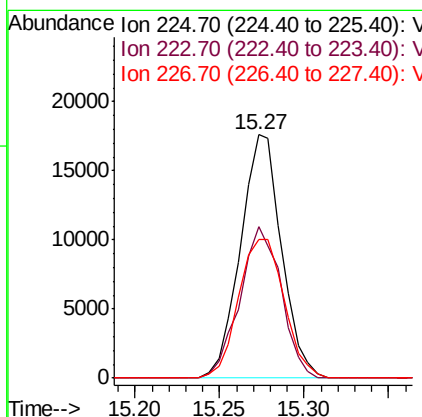
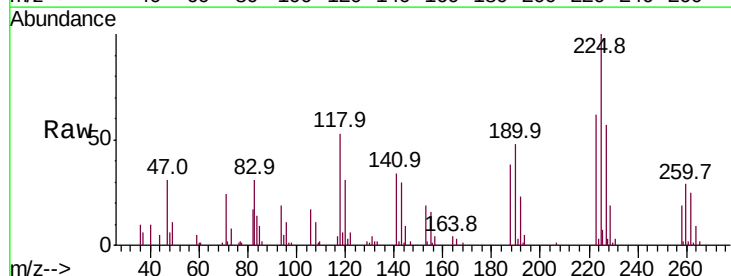
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0622SBSD01

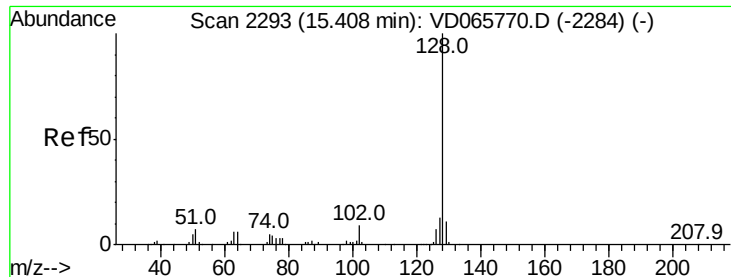
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.0	48.0	144.2
145	30.3	14.9	44.9



#94
 Hexachlorobutadiene
 Concen: 19.588 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD065849.D
 Acq: 22 Jun 2020 17:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	30.9	92.7
227	63.3	31.9	95.7

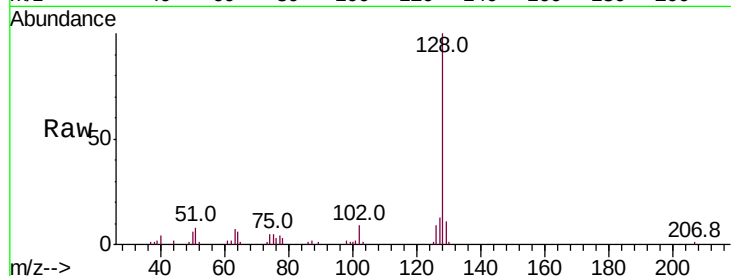




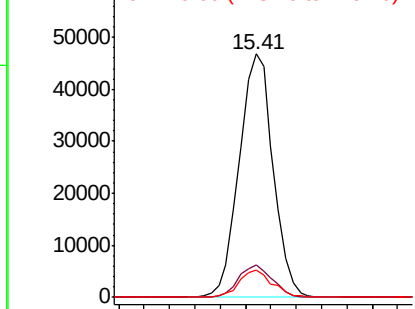
#95
Naphthalene
Concen: 20.358 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

Instrument :
MSVOA_D
ClientSampleId :
VD0622SBSD01

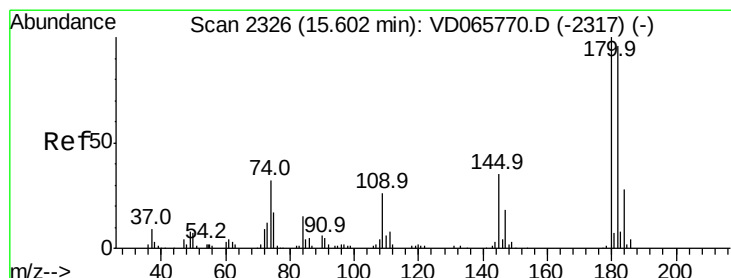
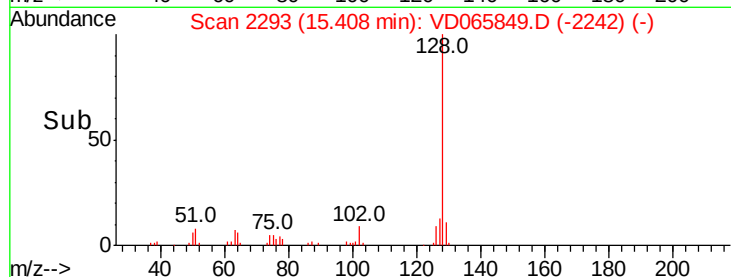
Tot Ion:128 Resp: 86853
Ion Ratio Lower Upper
128 100
127 13.0 10.7 16.1
129 10.8 8.6 12.8



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

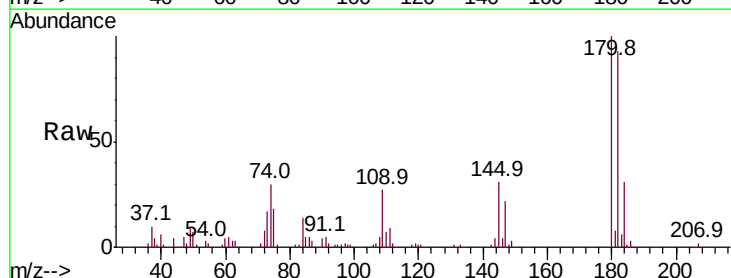


Time--> 15.30 15.40 15.50

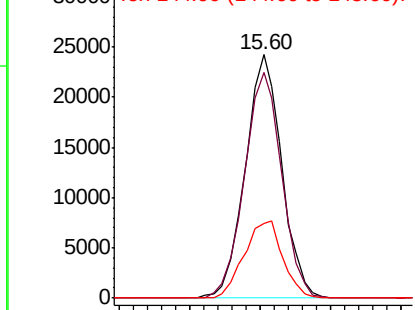


#96
1,2,3-Trichlorobenzene
Concen: 20.210 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD065849.D
Acq: 22 Jun 2020 17:24

Tgt Ion:180 Resp: 43840
Ion Ratio Lower Upper
180 100
182 94.6 47.0 141.2
145 33.7 16.2 48.6



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



Time--> 15.50 15.55 15.60 15.65

