

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062320\
 Data File : VD065854.D
 Acq On : 23 Jun 2020 12:31
 Operator : VA/SY
 Sample : VD0623SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0623SBS01

Quant Time: Jun 24 04:39:30 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	191017	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	304719	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	279822	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	140981	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	103813	55.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.00%	
35) Dibromofluoromethane	7.91	113	103443	53.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.48%	
50) Toluene-d8	10.34	98	399734	55.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.38%	
62) 4-Bromofluorobenzene	12.64	95	135175	55.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	34037	24.479	ug/l	95
3) Chloromethane	2.21	50	58724	24.521	ug/l	100
4) Vinyl Chloride	2.35	62	70264	24.932	ug/l	97
5) Bromomethane	2.76	94	49178	24.952	ug/l	94
6) Chloroethane	2.92	64	44643	23.428	ug/l	99
7) Trichlorofluoromethane	3.27	101	74681	23.389	ug/l	93
8) Diethyl Ether	3.70	74	19377	23.082	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	43115	22.645	ug/l	99
10) Methyl Iodide	4.30	142	38482	20.756	ug/l	100
11) Tert butyl alcohol	5.22	59	6264	27.546	ug/l #	74
12) 1,1-Dichloroethene	4.07	96	39903	22.995	ug/l	94
13) Acrolein	3.93	56	7879	74.318	ug/l	97
14) Allyl chloride	4.71	41	65223	22.741	ug/l	98
15) Acrylonitrile	5.43	53	40744	106.862	ug/l	99
16) Acetone	4.16	43	40603	114.039	ug/l	91
17) Carbon Disulfide	4.41	76	128222	22.015	ug/l	95
18) Methyl Acetate	4.71	43	21166	24.504	ug/l #	74
19) Methyl tert-butyl Ether	5.47	73	86346	21.968	ug/l	95
20) Methylene Chloride	4.97	84	57594	28.551	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	45232	22.257	ug/l	92
22) Diisopropyl ether	6.36	45	131421	22.678	ug/l	95
23) Vinyl Acetate	6.30	43	356906	109.066	ug/l	99
24) 1,1-Dichloroethane	6.27	63	79404	22.488	ug/l	98
25) 2-Butanone	7.21	43	53973	109.764	ug/l #	86
26) 2,2-Dichloropropane	7.21	77	70214	22.427	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	49991	22.868	ug/l	98
28) Bromochloromethane	7.54	49	30603	22.441	ug/l	97
29) Tetrahydrofuran	7.56	42	32967	106.080	ug/l	97
30) Chloroform	7.71	83	82052	22.419	ug/l	99
31) Cyclohexane	7.98	56	75948	22.437	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	77107	22.913	ug/l	99
36) 1,1-Dichloropropene	8.11	75	65282	22.365	ug/l	100
37) Ethyl Acetate	7.29	43	23932	20.815	ug/l	97
38) Carbon Tetrachloride	8.10	117	68761	22.383	ug/l	95

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 Misc : 5.00G/5.00ml/MSVOA D/SOIL
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 MSVOA_D
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Quant Time: Jun 24 04:39:30 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	75340	21.800	ug/l	97
40) Benzene	8.35	78	175777	22.027	ug/l	96
41) Methacrylonitrile	7.56	41	34187	49.936	ug/l #	28
42) 1,2-Dichloroethane	8.43	62	51492	21.386	ug/l	99
43) Isopropyl Acetate	8.46	43	46986	20.551	ug/l	99
44) Trichloroethene	9.11	130	48569	21.871	ug/l	94
45) 1,2-Dichloropropane	9.38	63	43111	21.501	ug/l	96
46) Dibromomethane	9.47	93	23849	21.931	ug/l	95
47) Bromodichloromethane	9.66	83	63540	21.805	ug/l	95
48) Methyl methacrylate	9.46	41	23724	21.437	ug/l	94
49) 1,4-Dioxane	9.47	88	5022	433.875	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	116455	103.948	ug/l	99
52) Toluene	10.40	92	114706	22.122	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	58231	22.067	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	68243	21.897	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	31748	21.850	ug/l	92
56) Ethyl methacrylate	10.67	69	36040	21.088	ug/l	99
57) 1,3-Dichloropropane	10.95	76	53593	21.289	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	76409	96.164	ug/l	100
59) 2-Hexanone	10.98	43	80220	106.209	ug/l	99
60) Dibromochloromethane	11.14	129	40690	20.730	ug/l	98
61) 1,2-Dibromoethane	11.25	107	29297	20.517	ug/l	97
64) Tetrachloroethene	10.88	164	40686	21.502	ug/l	99
65) Chlorobenzene	11.67	112	117048	21.426	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	44859	22.030	ug/l	98
67) Ethyl Benzene	11.75	91	215940	22.128	ug/l	99
68) m/p-Xylenes	11.86	106	165196	43.947	ug/l	99
69) o-Xylene	12.18	106	75559	22.294	ug/l	100
70) Styrene	12.20	104	128958	21.980	ug/l	98
71) Bromoform	12.36	173	23368	20.840	ug/l #	99
73) Isopropylbenzene	12.48	105	207059	21.906	ug/l	98
74) N-amyl acetate	12.29	43	44499	21.161	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	34618	21.686	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	45073	41.109	ug/l #	100
77) Bromobenzene	12.77	156	48135	21.523	ug/l	95
78) n-propylbenzene	12.83	91	252338	22.178	ug/l	99
79) 2-Chlorotoluene	12.91	91	136985	21.947	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	174264	22.154	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	10709	21.103	ug/l	97
82) 4-Chlorotoluene	13.01	91	147835	22.066	ug/l	100
83) tert-Butylbenzene	13.23	119	148564	21.767	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	175828	22.333	ug/l	98
85) sec-Butylbenzene	13.41	105	212926	22.417	ug/l	99
86) p-Isopropyltoluene	13.52	119	193858	22.268	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	94285	21.382	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	93425	21.299	ug/l	98
89) n-Butylbenzene	13.85	91	184361	22.204	ug/l	98
90) Hexachloroethane	14.12	117	37936	21.770	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	81623	21.508	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5923	22.295	ug/l	85

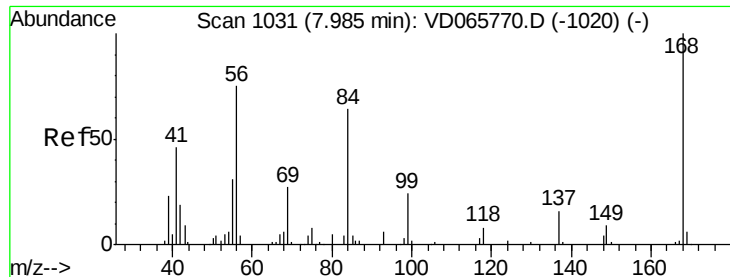
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062320\
Data File : VD065854.D
Acq On : 23 Jun 2020 12:31
Operator : VA/SY
Sample : VD0623SBSD01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0623SBSD01

Quant Time: Jun 24 04:39:30 2020
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	53398	20.694	ug/l	99
94) Hexachlorobutadiene	15.28	225	31434	20.152	ug/l	98
95) Naphthalene	15.41	128	84252	19.276	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	45407	20.432	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: VD065854.D

Acq: 23 Jun 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

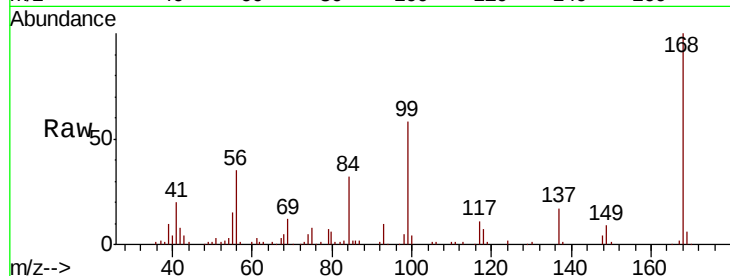
VD0623SBSD01

Tot Ion:168 Resp: 191017

Ion Ratio Lower Upper

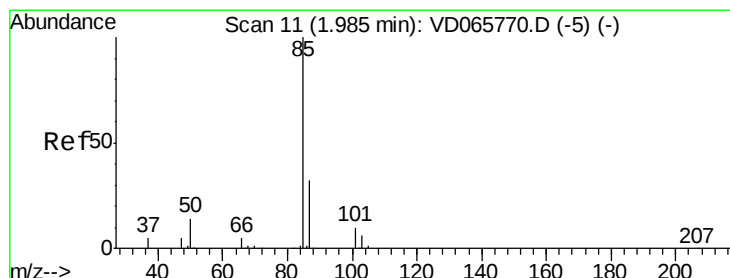
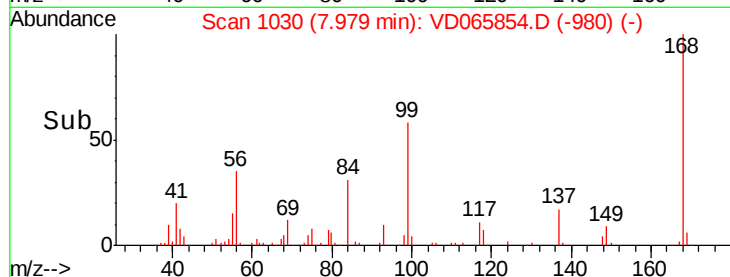
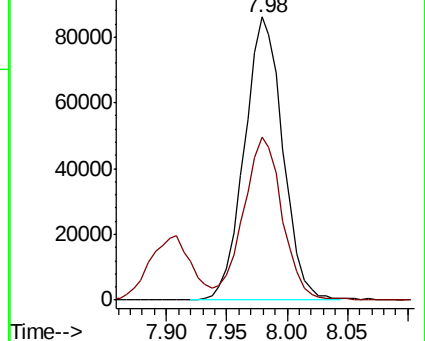
168 100

99 57.2 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: 24.479 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065854.D

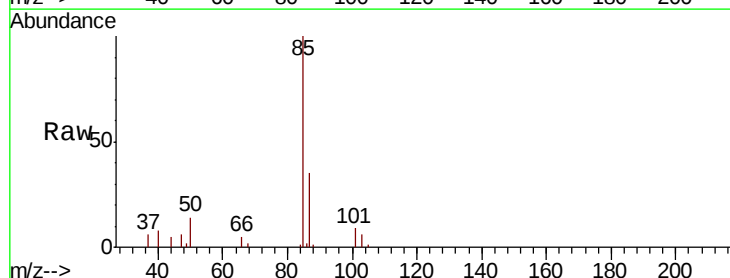
Acq: 23 Jun 2020 12:31

Tgt Ion: 85 Resp: 34037

Ion Ratio Lower Upper

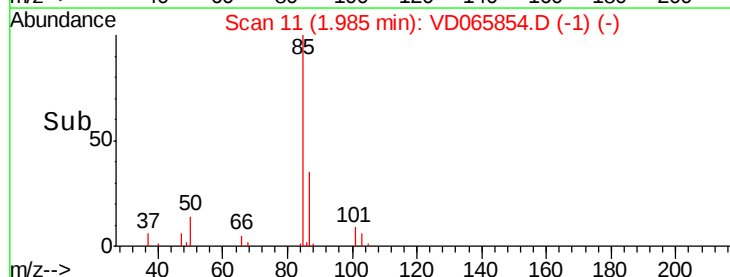
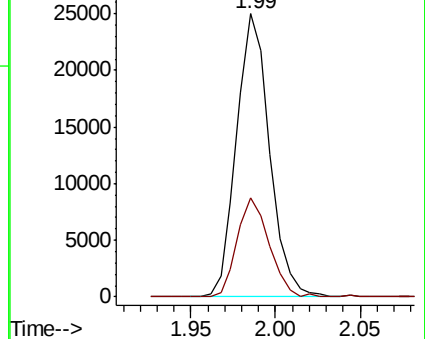
85 100

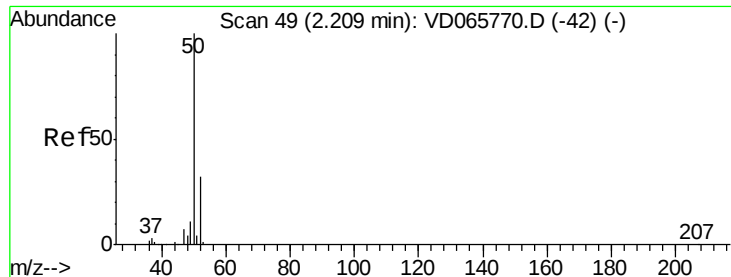
87 35.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 24.521 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

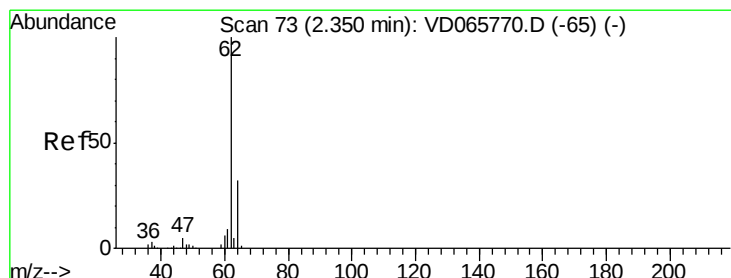
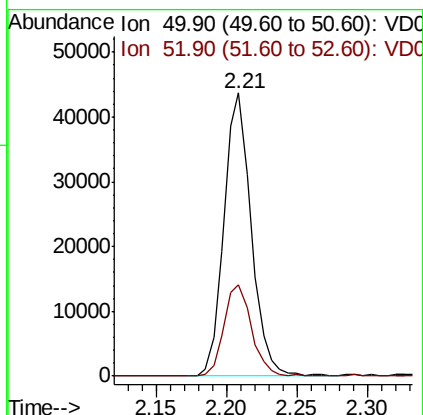
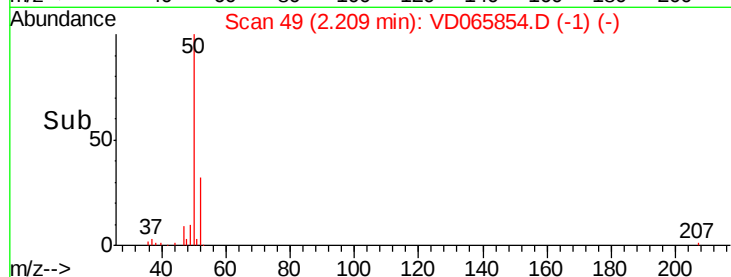
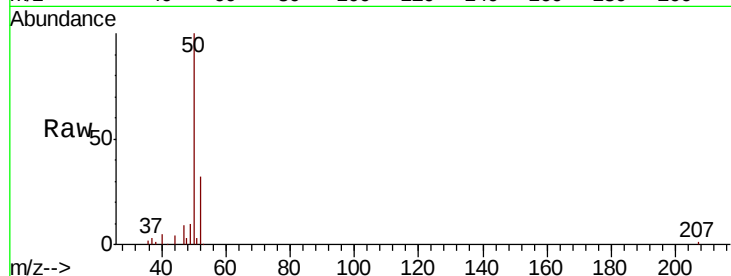
VD0623SBSD01

Tot Ion: 50 Resp: 58724

Ion Ratio Lower Upper

50 100

52 32.1 25.6 38.4



#4

Vinyl Chloride

Concen: 24.932 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065854.D

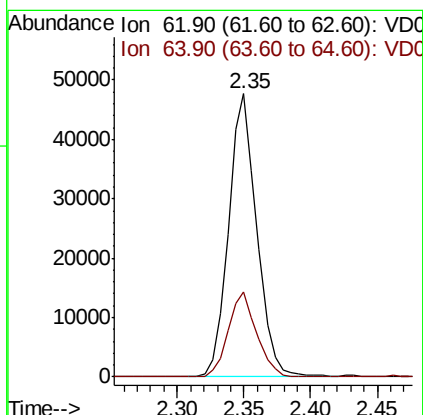
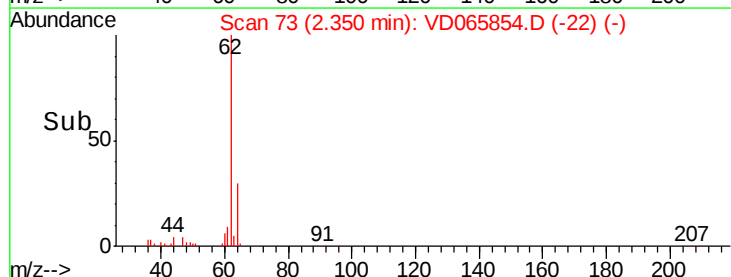
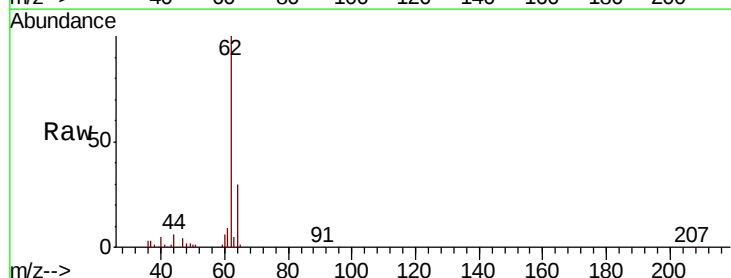
Acq: 23 Jun 2020 12:31

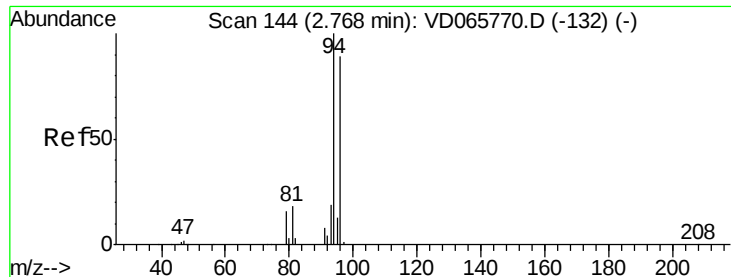
Tgt Ion: 62 Resp: 70264

Ion Ratio Lower Upper

62 100

64 30.2 25.3 37.9





#5

Bromomethane

Concen: 24.952 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

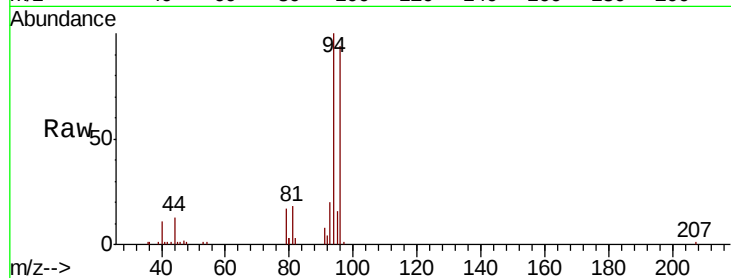
VD0623SBSD01

Tot Ion: 94 Resp: 49178

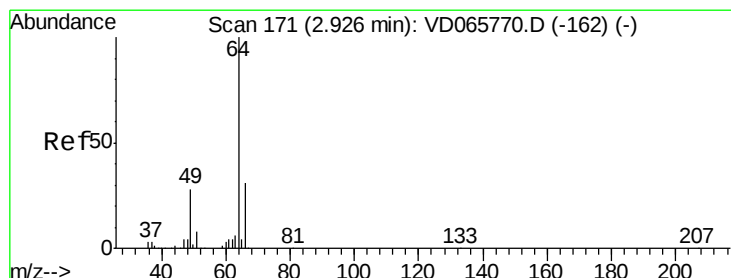
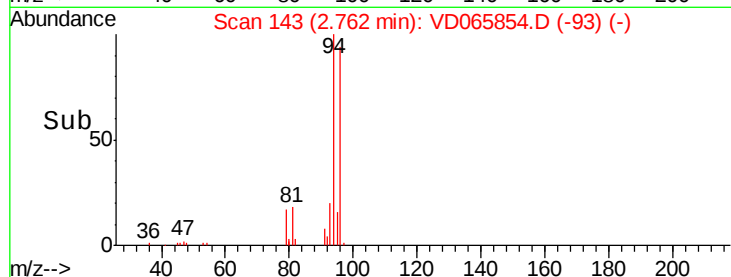
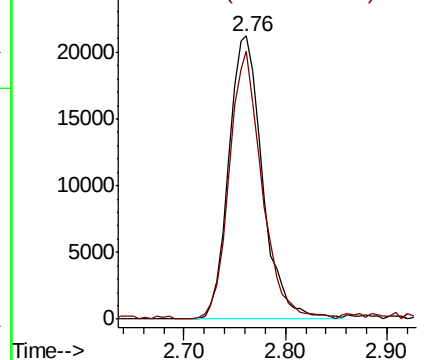
Ion Ratio Lower Upper

94 100

96 94.5 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: 23.428 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065854.D

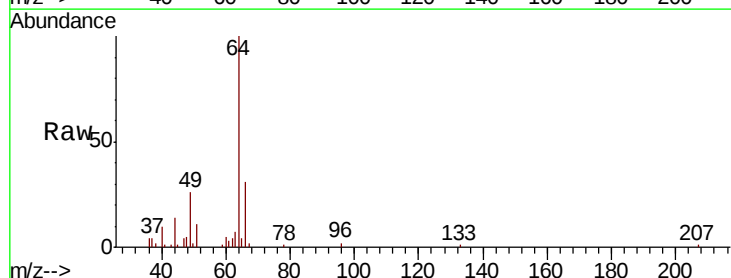
Acq: 23 Jun 2020 12:31

Tgt Ion: 64 Resp: 44643

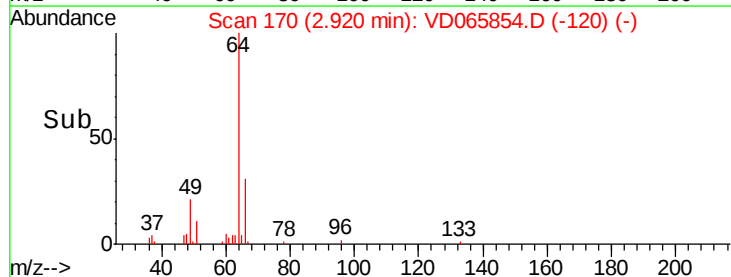
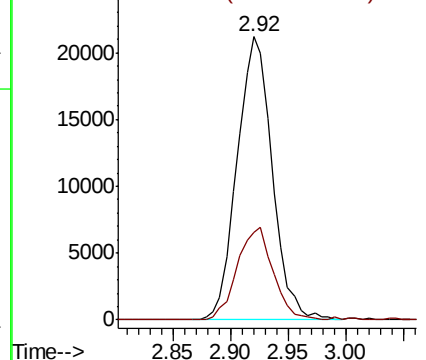
Ion Ratio Lower Upper

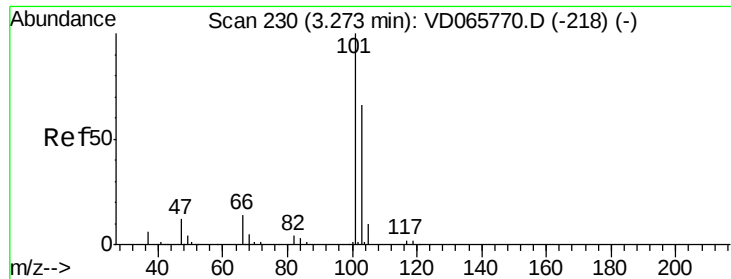
64 100

66 30.9 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VDC
Ion 65.90 (65.60 to 66.60): VDC



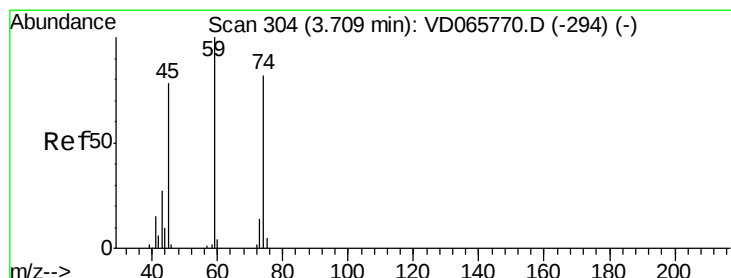
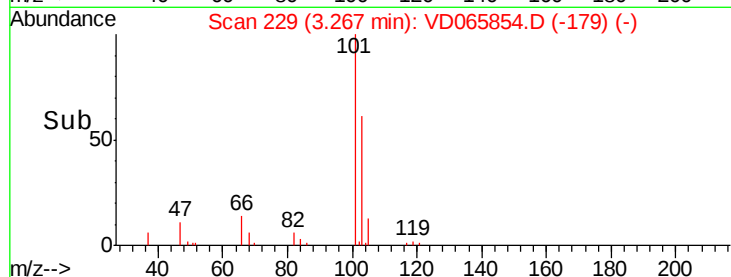
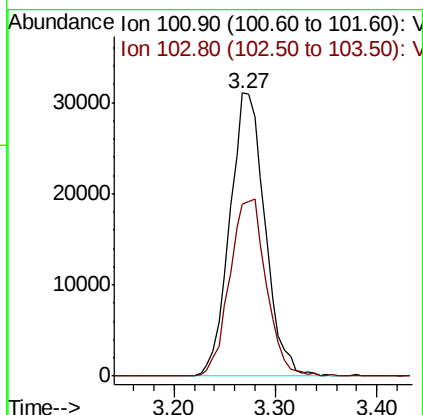
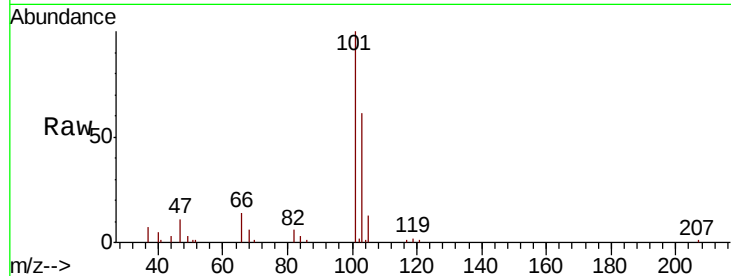


#7

Trichlorofluoromethane
 Concen: 23.389 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD065854.D
 Acq: 23 Jun 2020 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0623SBSD01

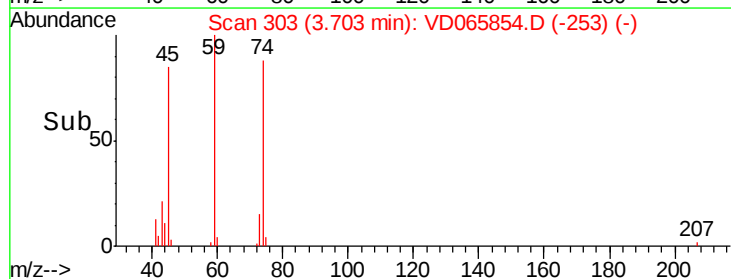
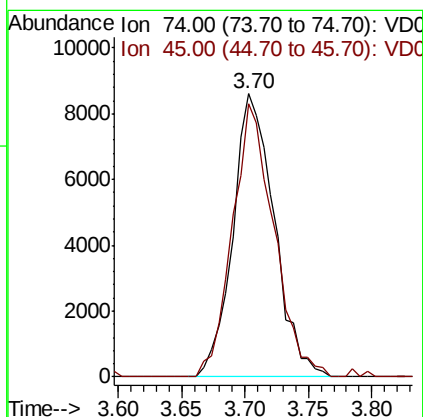
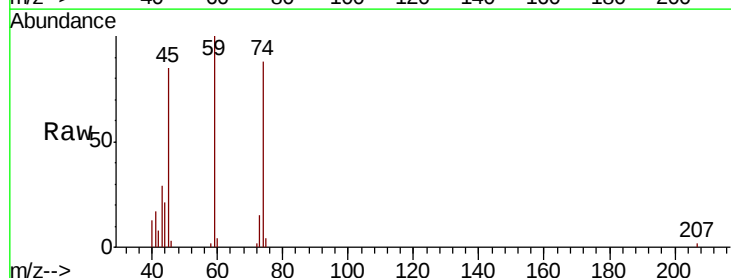
Tot Ion:101 Resp: 74681
 Ion Ratio Lower Upper
 101 100
 103 60.7 53.1 79.7

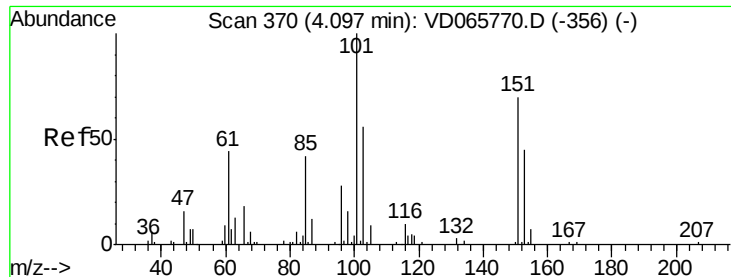


#8

Diethyl Ether
 Concen: 23.082 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD065854.D
 Acq: 23 Jun 2020 12:31

Tgt Ion: 74 Resp: 19377
 Ion Ratio Lower Upper
 74 100
 45 97.2 47.9 143.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.645 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0623SBSD01

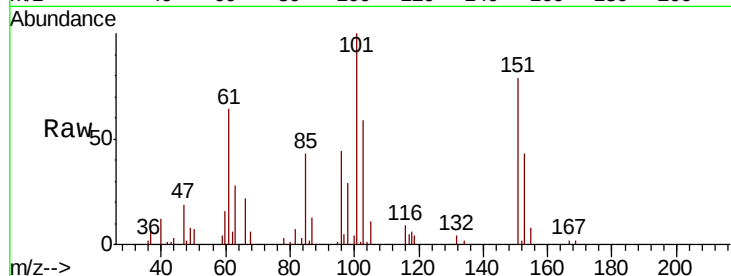
Tot Ion:101 Resp: 43115

Ion Ratio Lower Upper

101 100

85 45.5 36.5 54.7

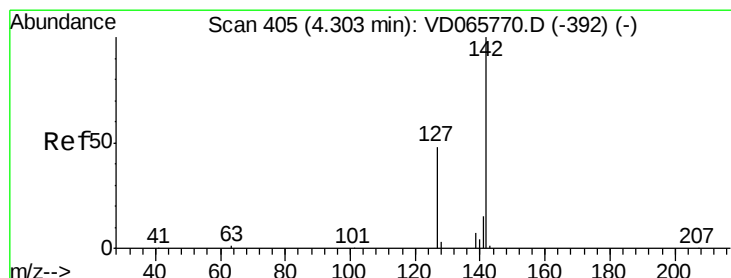
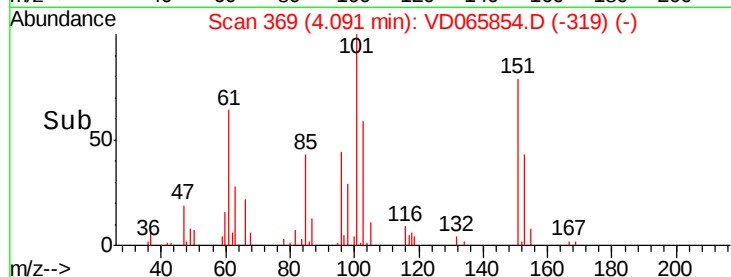
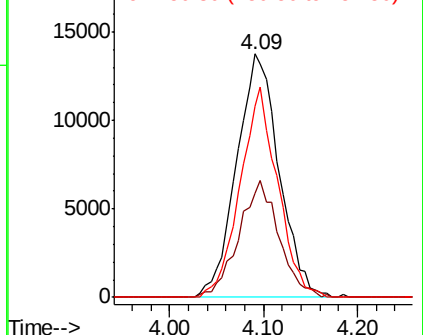
151 76.1 61.8 92.6



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: 20.756 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

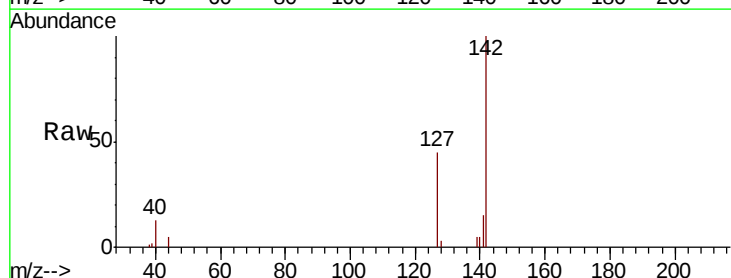
Tgt Ion:142 Resp: 38482

Ion Ratio Lower Upper

142 100

127 47.0 37.6 56.4

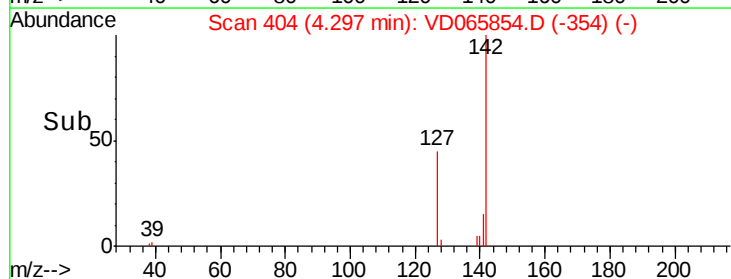
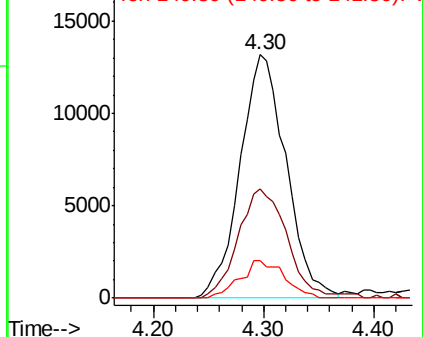
141 14.8 12.1 18.1

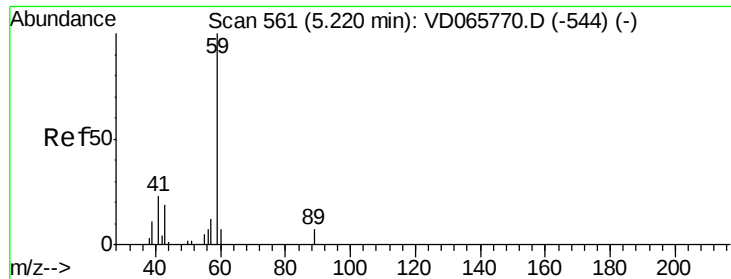


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



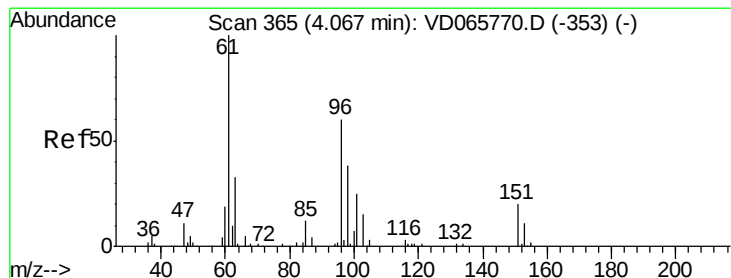
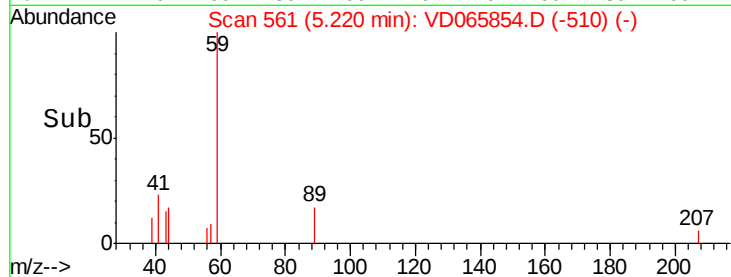
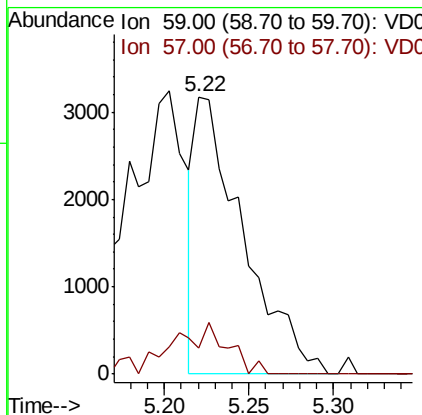
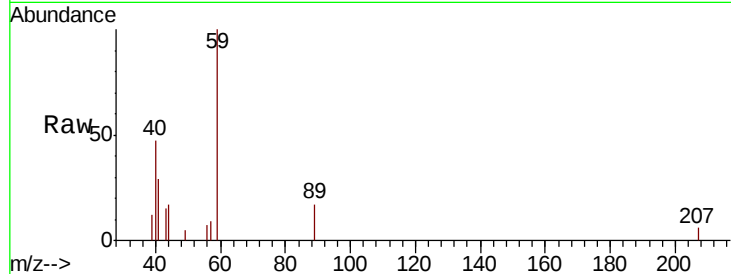


#11

Tert butyl alcohol
 Concen: 27.546 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. 0.00 min
 Lab File: VD065854.D
 Acq: 23 Jun 2020 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0623SBS01

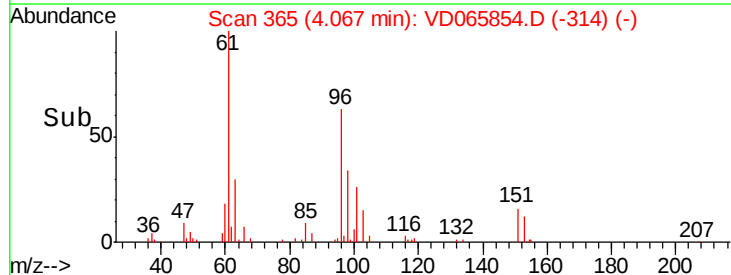
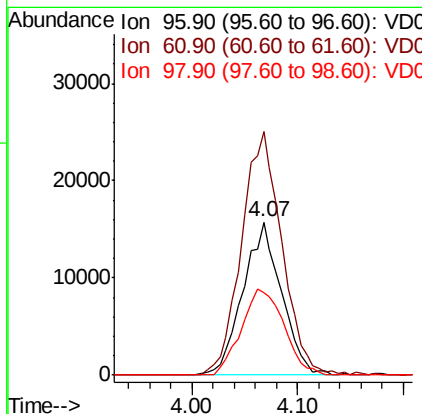
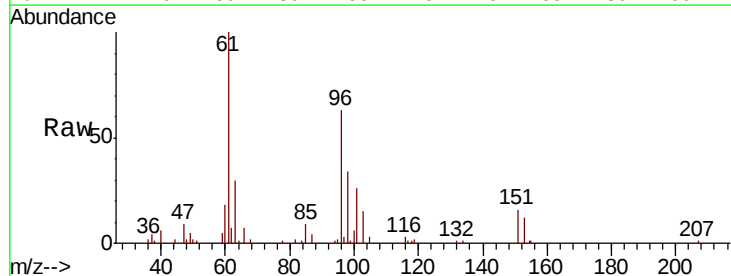
Tot Ion: 59 Resp: 6264
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.5 11.3#

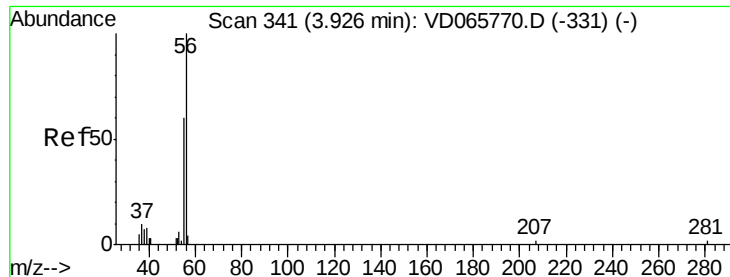


#12

1,1-Dichloroethene
 Concen: 22.995 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. -0.00 min
 Lab File: VD065854.D
 Acq: 23 Jun 2020 12:31

Tgt Ion: 96 Resp: 39903
 Ion Ratio Lower Upper
 96 100
 61 159.4 132.3 198.5
 98 54.3 50.7 76.1





#13

Acrolein

Concen: 74.318 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.01 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

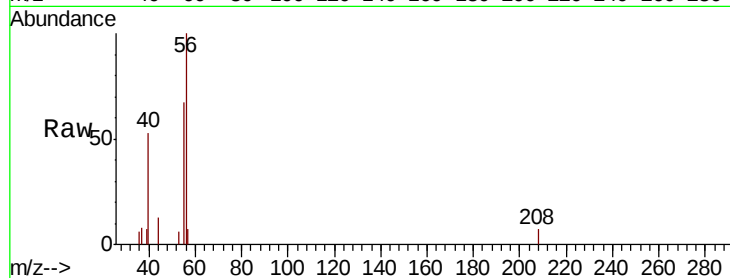
VD0623SBSD01

Tot Ion: 56 Resp: 7879

Ion Ratio Lower Upper

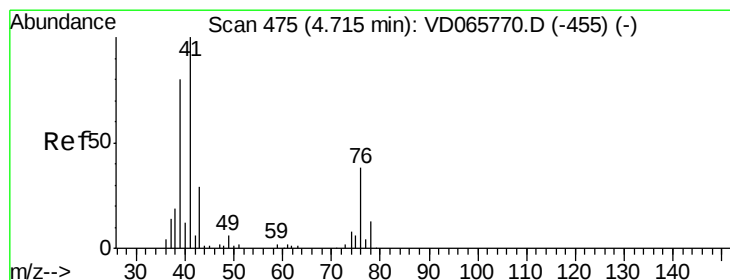
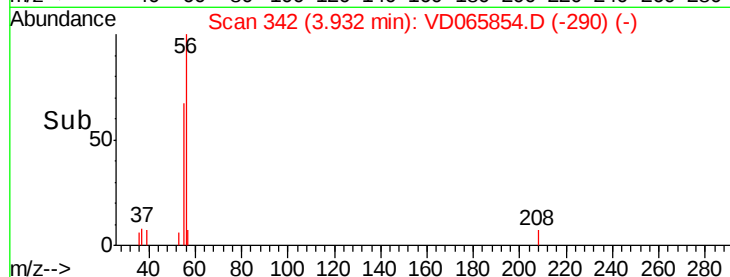
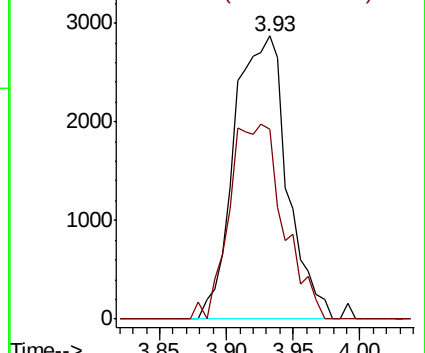
56 100

55 70.5 54.8 82.2



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 22.741 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

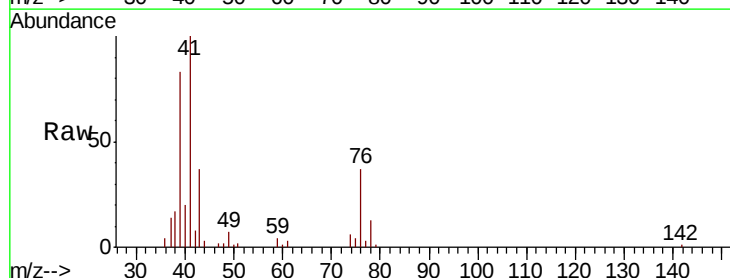
Tgt Ion: 41 Resp: 65223

Ion Ratio Lower Upper

41 100

39 78.1 60.9 91.3

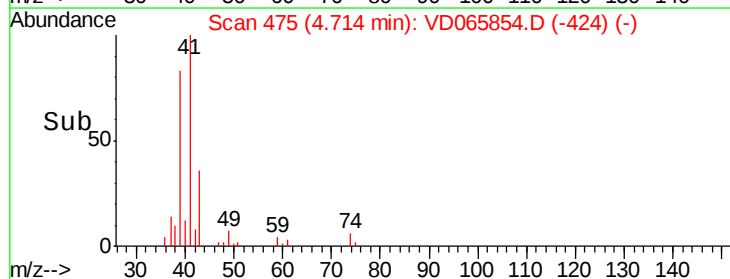
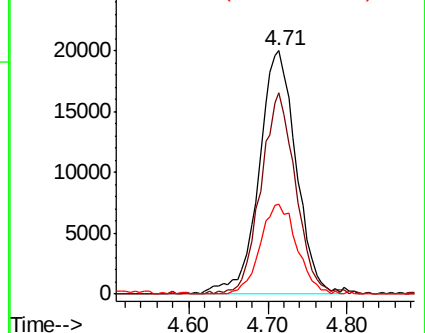
76 36.4 28.9 43.3

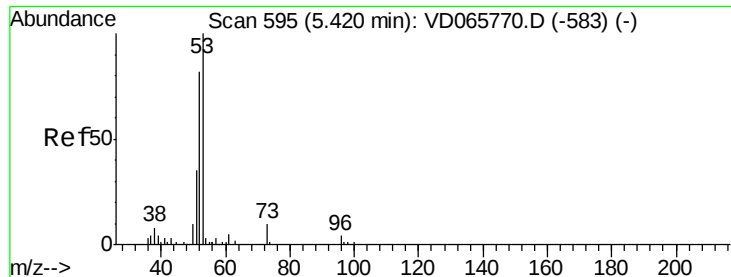


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 106.862 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0623SBSD01

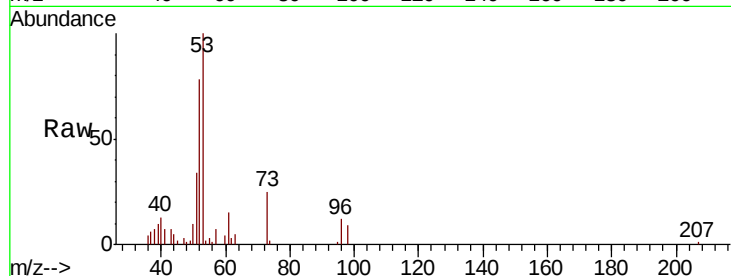
Tot Ion: 53 Resp: 40744

Ion Ratio Lower Upper

53 100

52 83.4 66.2 99.2

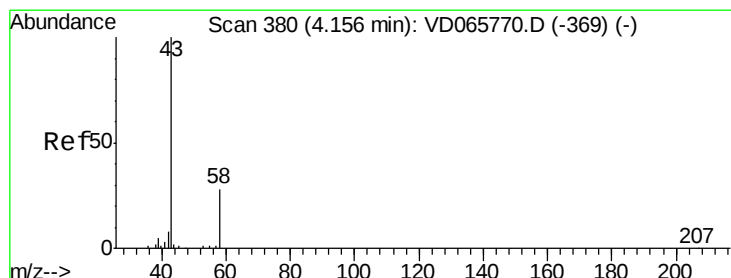
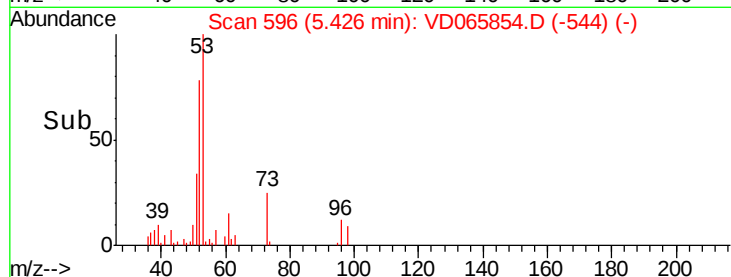
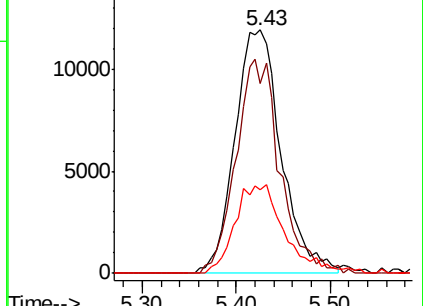
51 38.2 30.7 46.1



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: 114.039 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD065854.D

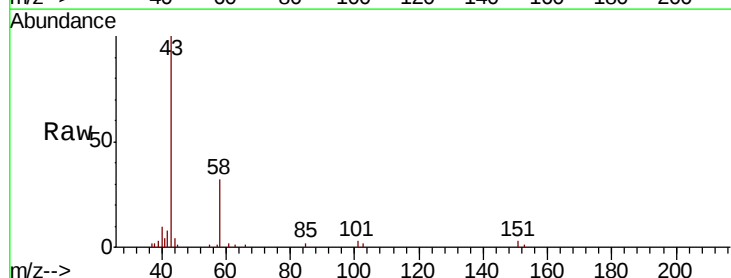
Acq: 23 Jun 2020 12:31

Tgt Ion: 43 Resp: 40603

Ion Ratio Lower Upper

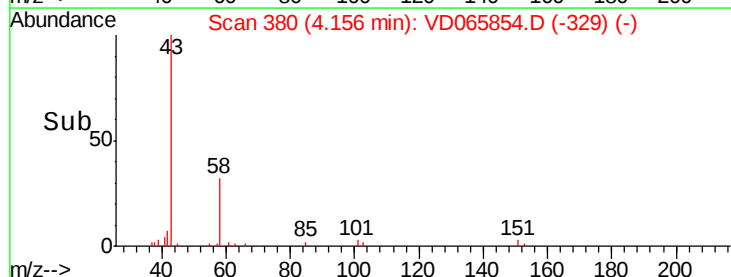
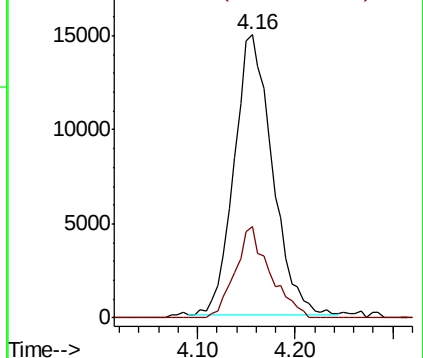
43 100

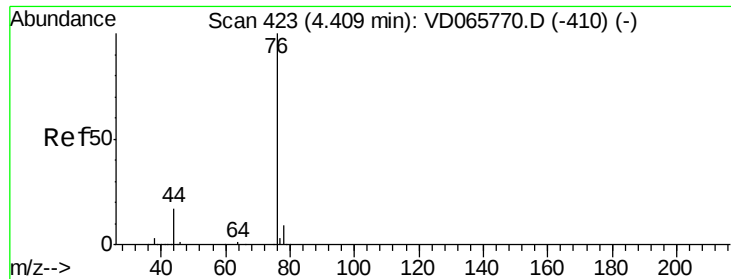
58 32.5 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

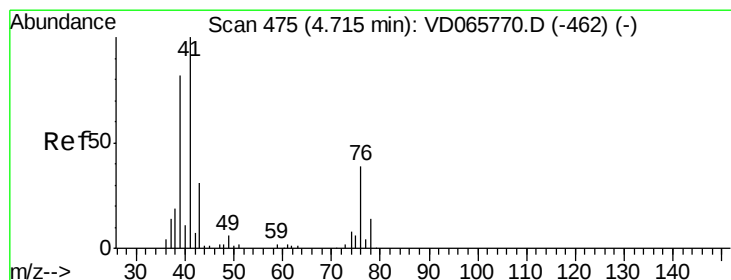
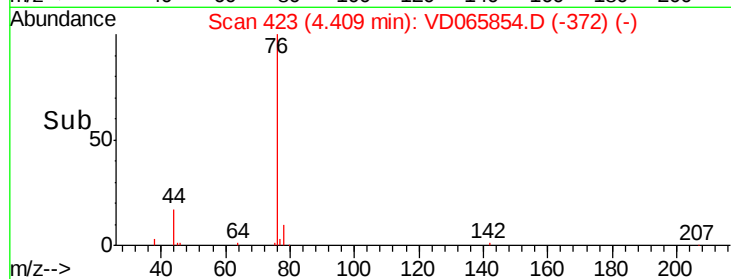
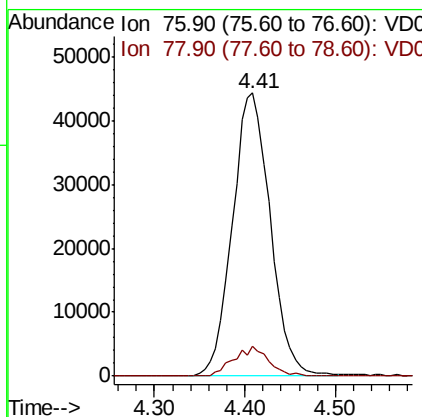
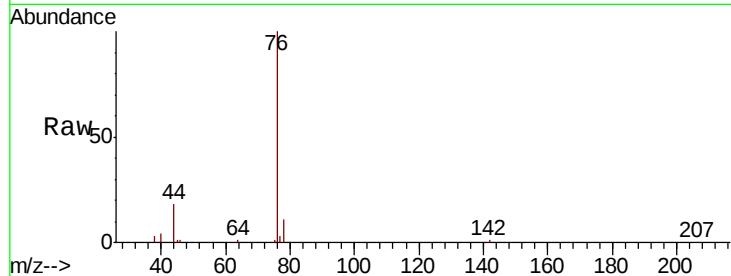




#17
Carbon Disulfide
Concen: 22.015 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.00 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

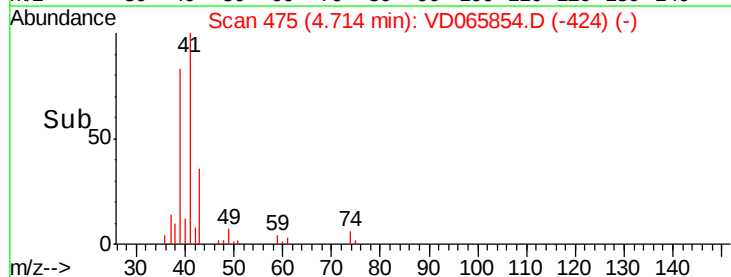
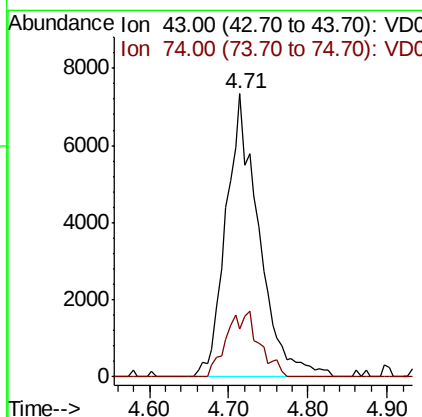
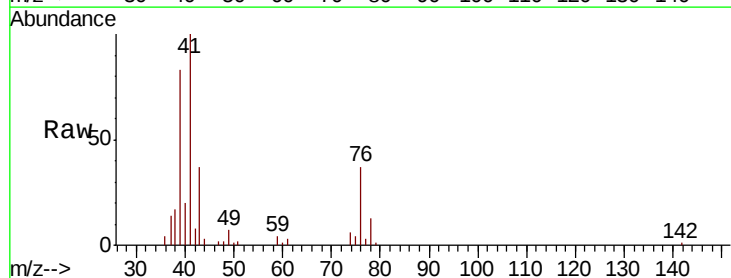
Instrument :
MSVOA_D
ClientSampleId :
VD0623SBSD01

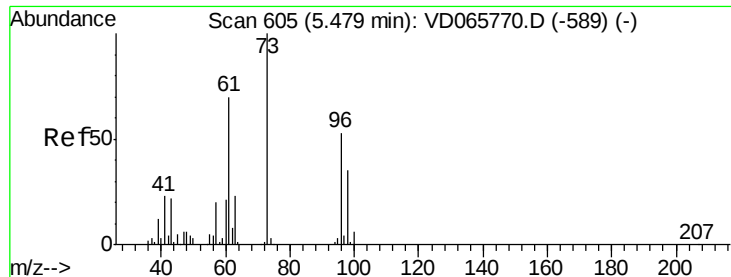
Tot Ion: 76 Resp: 128222
Ion Ratio Lower Upper
76 100
78 10.6 7.1 10.7



#18
Methyl Acetate
Concen: 24.504 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Tgt Ion: 43 Resp: 21166
Ion Ratio Lower Upper
43 100
74 10.9 18.7 28.1#



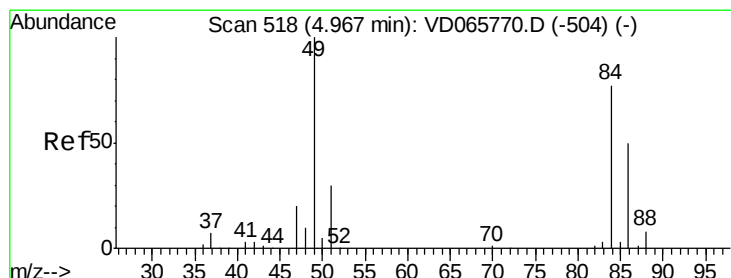
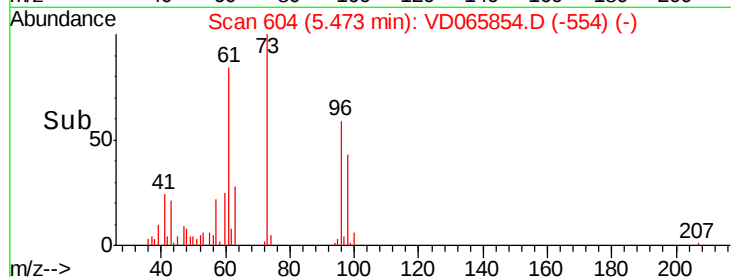
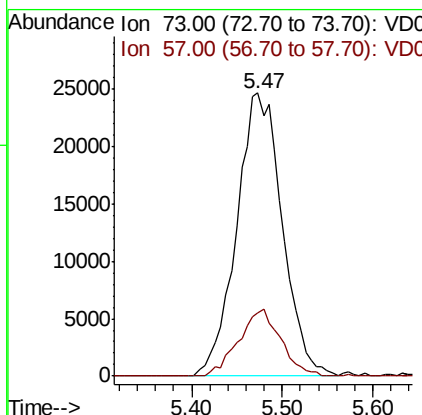
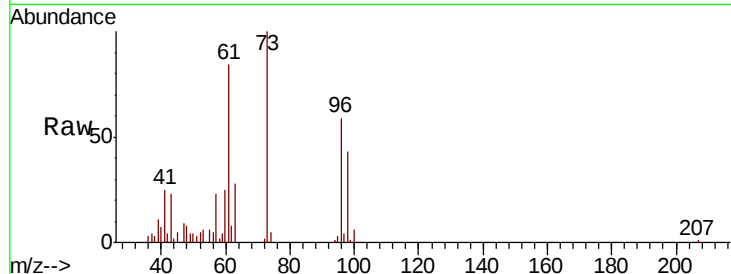


#19

Methyl tert-butyl Ether
 Concen: 21.968 ug/l
 RT: 5.47 min Scan# 604
 Delta R.T. -0.01 min
 Lab File: VD065854.D
 Acq: 23 Jun 2020 12:31

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0623SBSD01

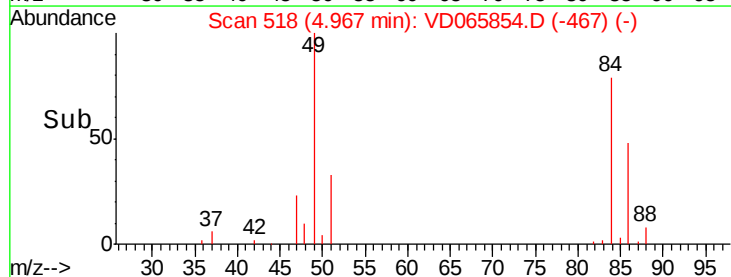
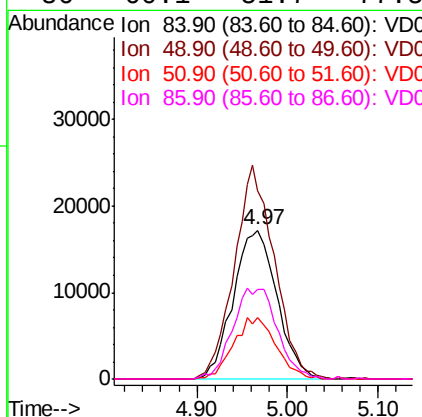
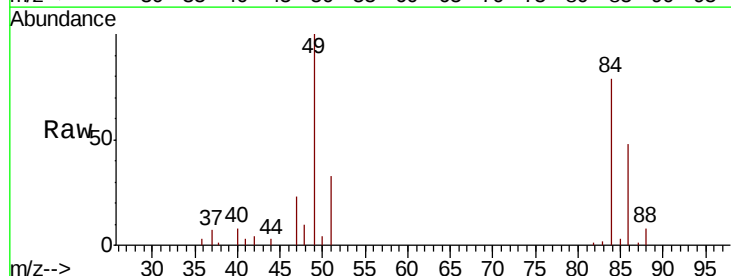
Tot Ion: 73 Resp: 86346
 Ion Ratio Lower Upper
 73 100
 57 22.5 16.2 24.2

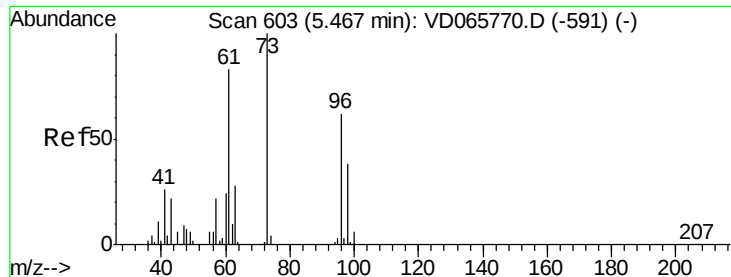


#20

Methylene Chloride
 Concen: 28.551 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.00 min
 Lab File: VD065854.D
 Acq: 23 Jun 2020 12:31

Tgt Ion: 84 Resp: 57594
 Ion Ratio Lower Upper
 84 100
 49 126.0 103.4 155.0
 51 41.2 31.4 47.2
 86 60.1 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 22.257 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0623SBSD01

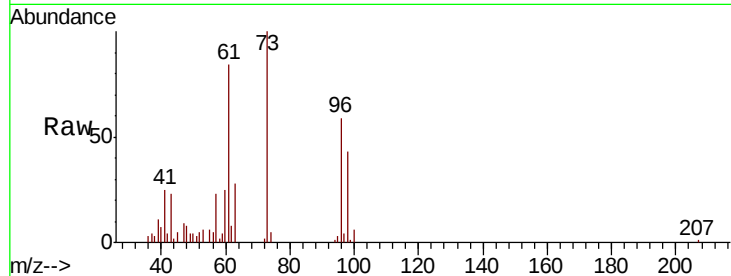
Tot Ion: 96 Resp: 45232

Ion Ratio Lower Upper

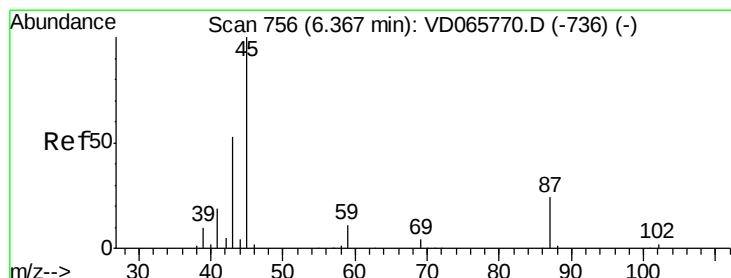
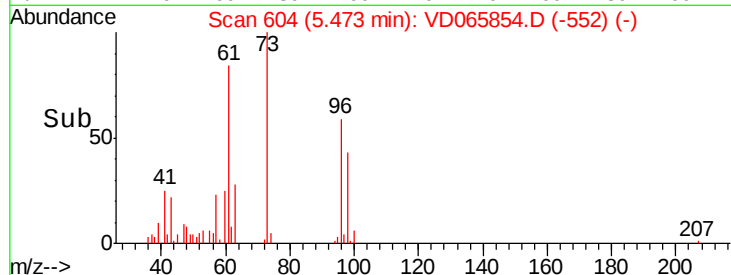
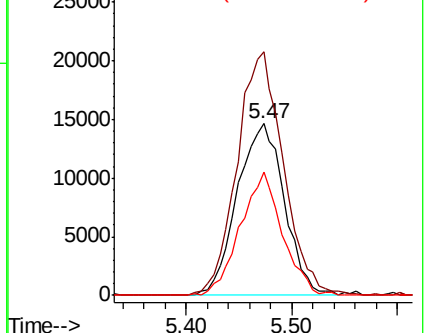
96 100

61 141.7 107.7 161.5

98 71.5 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: 22.678 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

Tgt Ion: 45 Resp: 131421

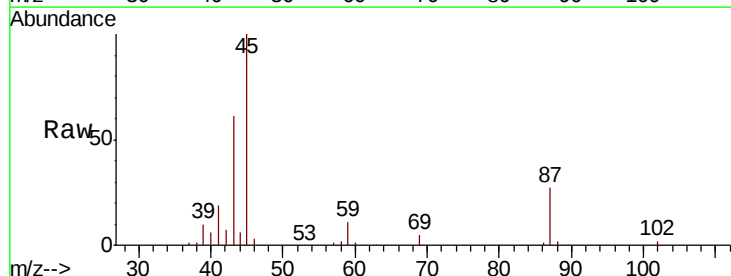
Ion Ratio Lower Upper

45 100

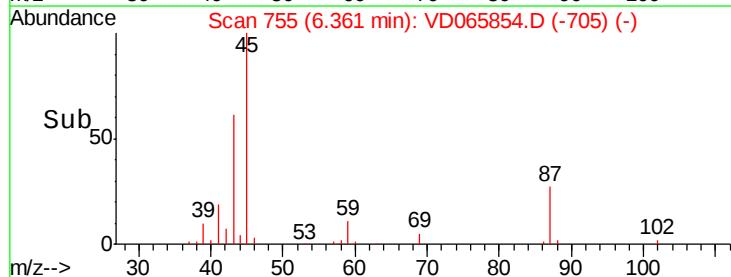
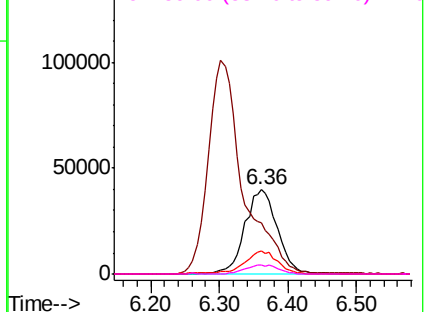
43 59.0 43.4 65.0

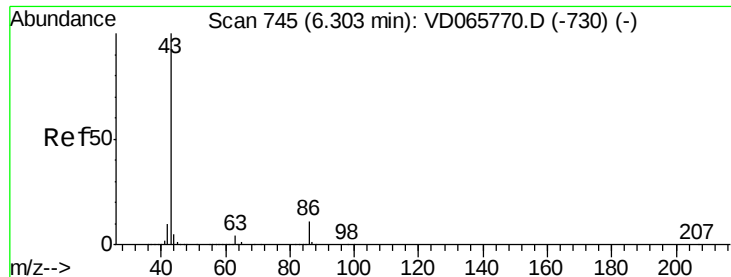
87 26.7 20.2 30.4

59 11.3 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: 109.066 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.00 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

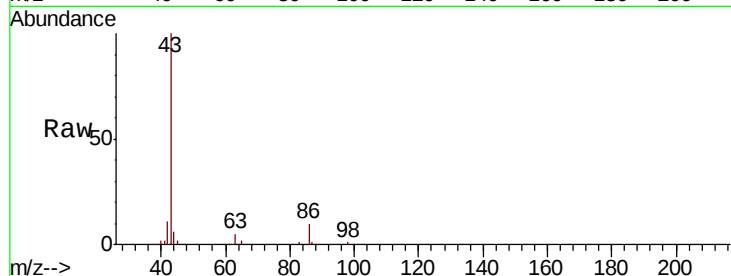
VD0623SBSD01

Tot Ion: 43 Resp: 356906

Ion Ratio Lower Upper

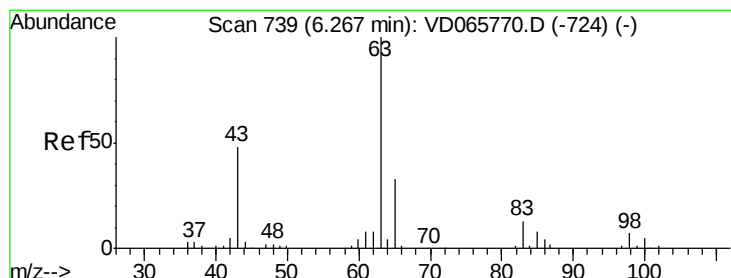
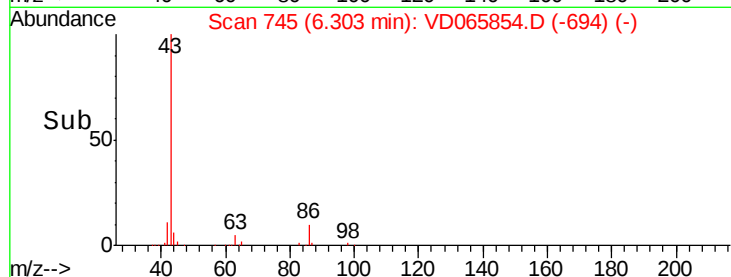
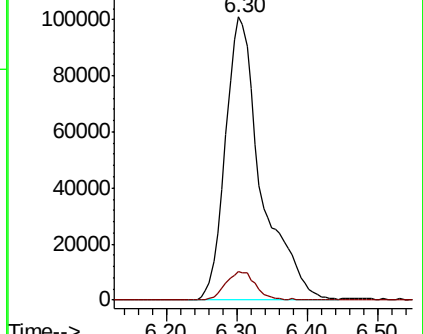
43 100

86 10.1 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 22.488 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

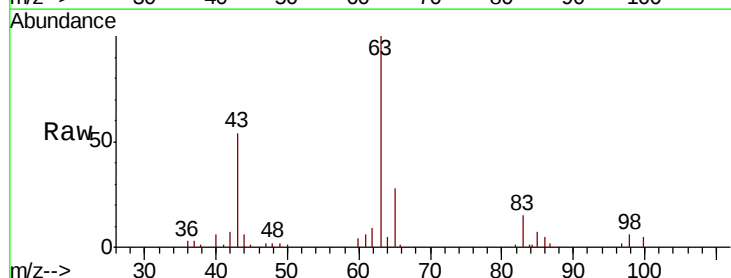
Tgt Ion: 63 Resp: 79404

Ion Ratio Lower Upper

63 100

98 6.3 3.5 10.5

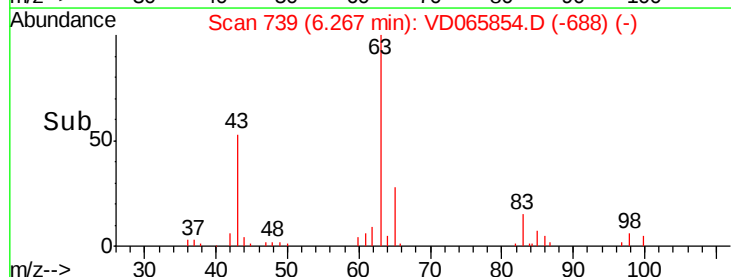
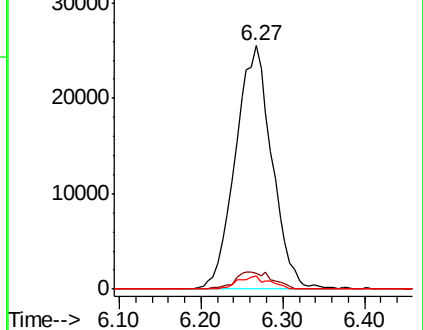
100 5.2 2.3 6.9

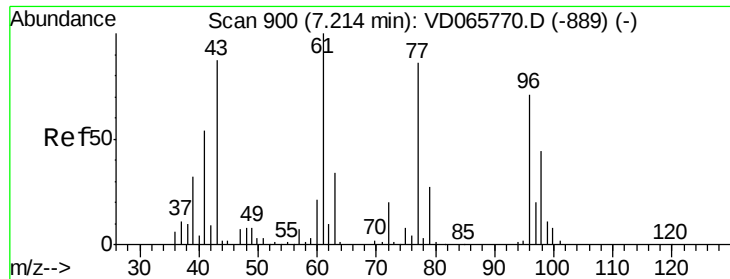


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 109.764 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

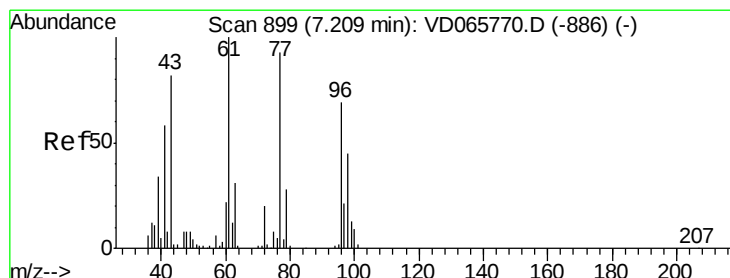
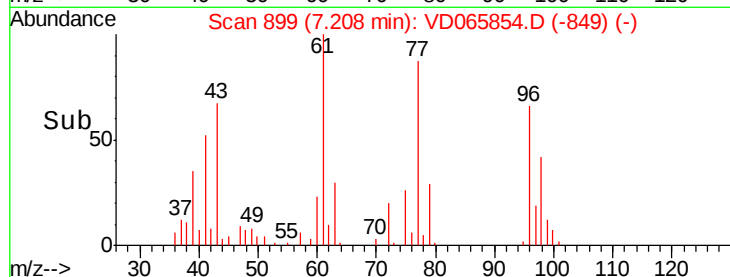
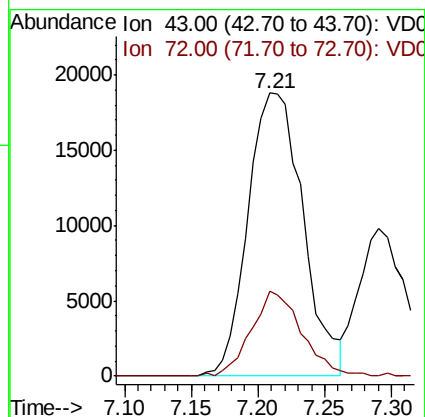
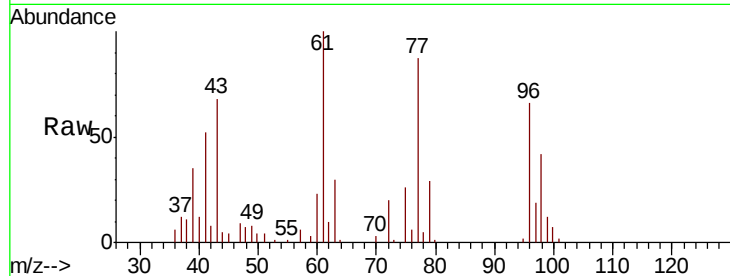
VD0623SBSD01

Tot Ion: 43 Resp: 53973

Ion Ratio Lower Upper

43 100

72 29.9 18.5 27.7#



#26

2,2-Dichloropropane

Concen: 22.427 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD065854.D

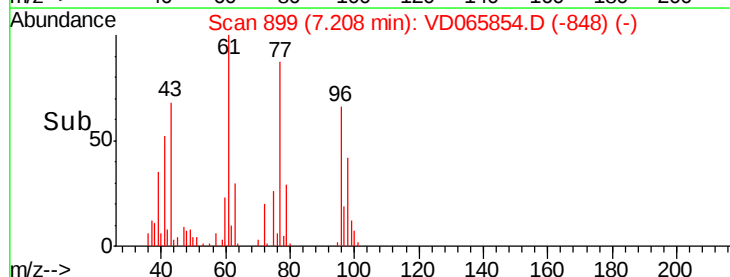
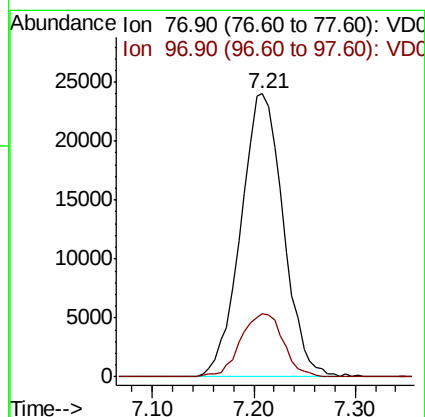
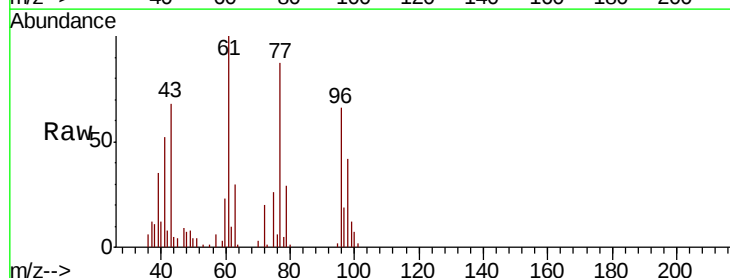
Acq: 23 Jun 2020 12:31

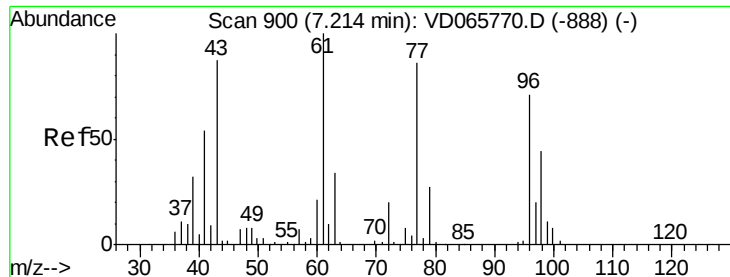
Tgt Ion: 77 Resp: 70214

Ion Ratio Lower Upper

77 100

97 22.4 10.9 32.7



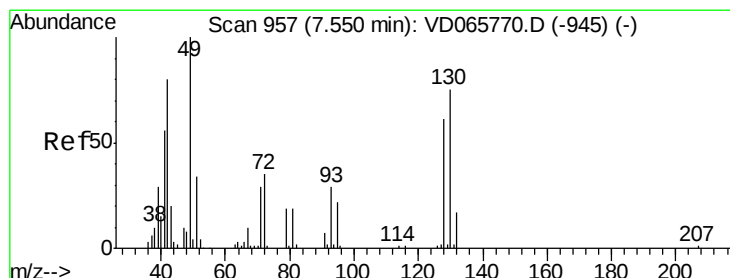
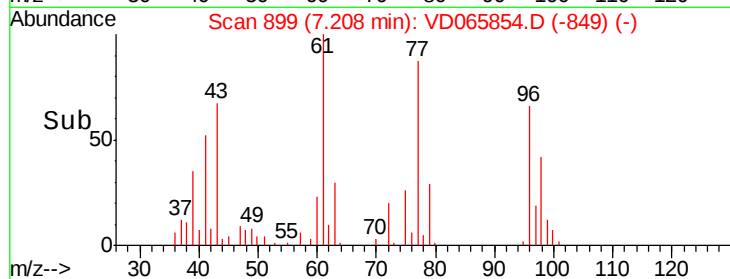
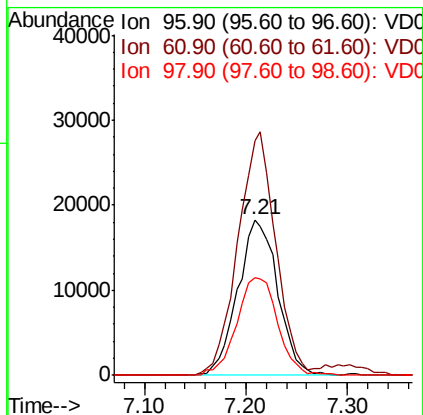
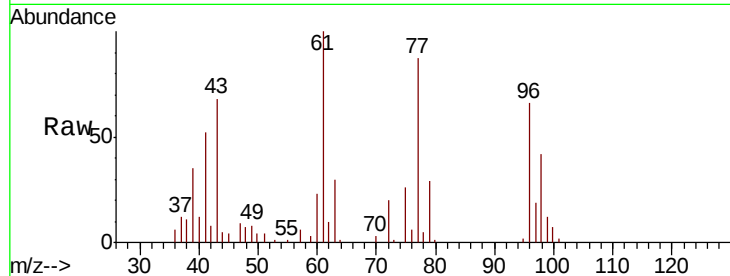


#27

cis-1,2-Dichloroethene
Concen: 22.868 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0623SBSD01

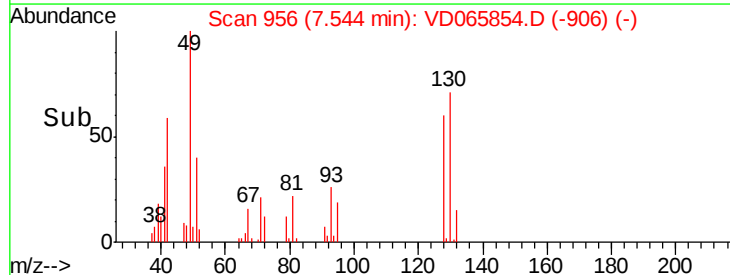
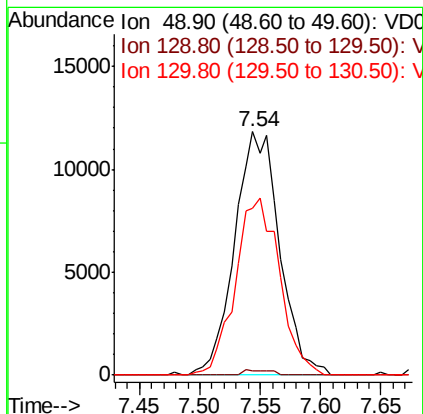
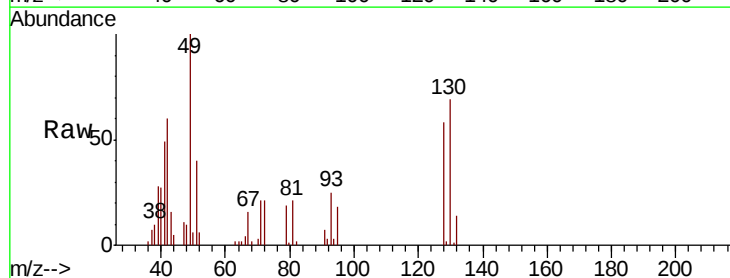
Tot Ion: 96 Resp: 49991
Ion Ratio Lower Upper
96 100
61 148.6 0.0 291.2
98 64.3 0.0 128.8

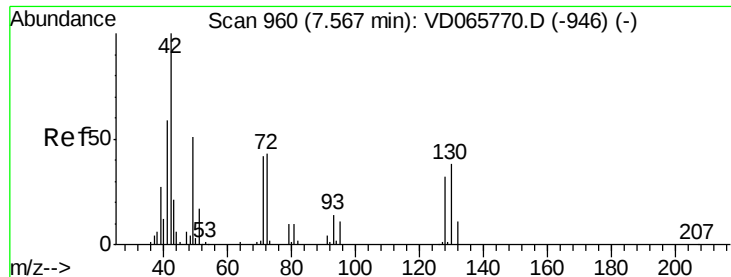


#28

Bromochloromethane
Concen: 22.441 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Tgt Ion: 49 Resp: 30603
Ion Ratio Lower Upper
49 100
129 1.3 0.0 4.6
130 71.6 59.5 89.3

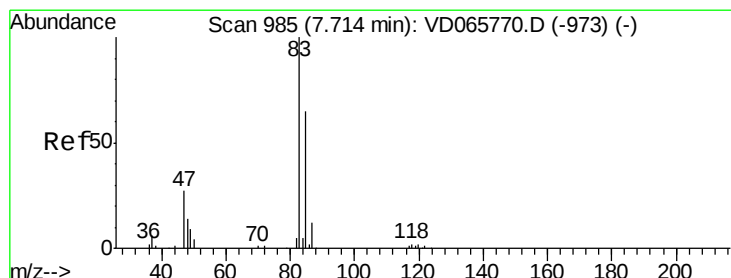
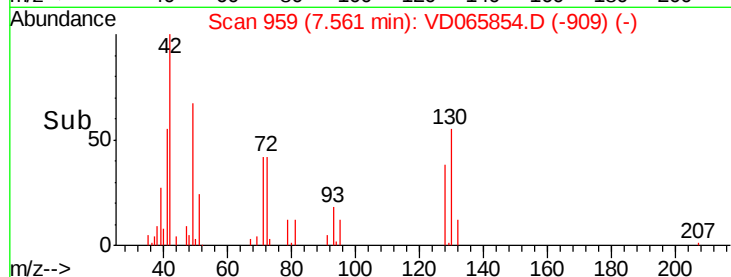
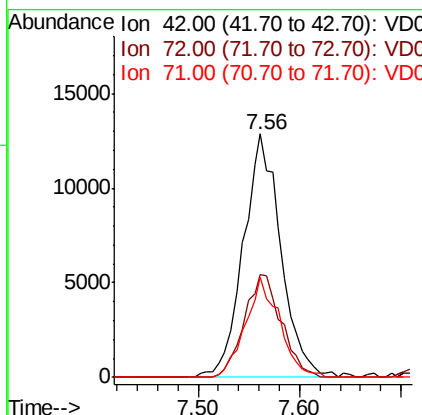
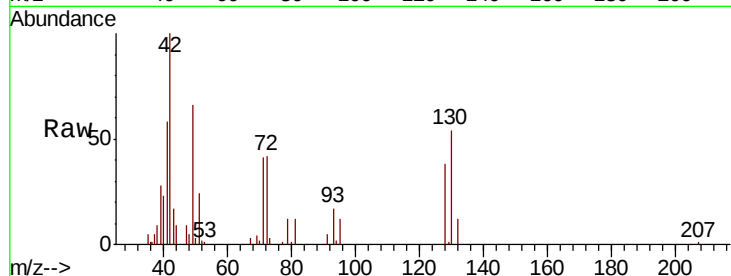




#29
Tetrahydrofuran
Concen: 106.080 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

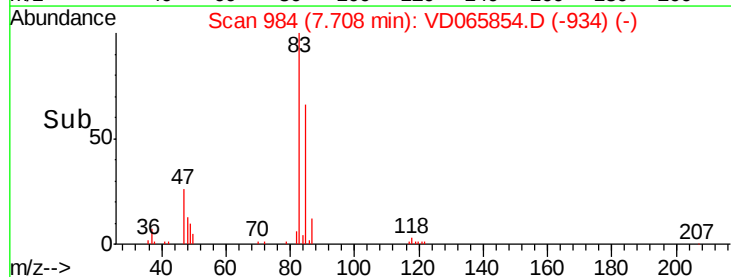
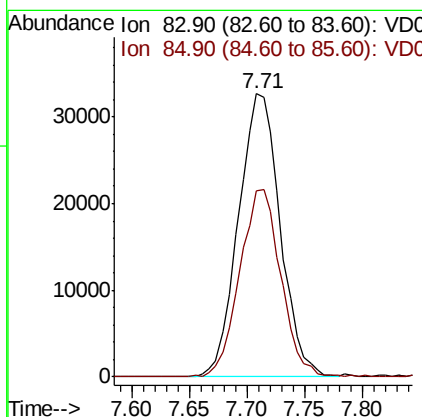
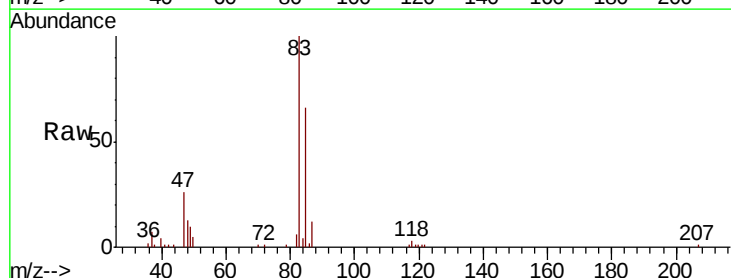
Instrument :
MSVOA_D
ClientSampleId :
VD0623SBSD01

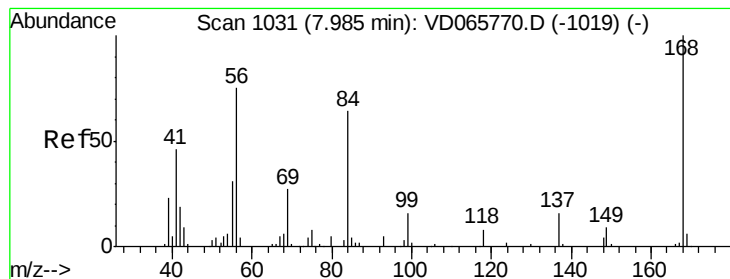
Tot Ion: 42 Resp: 32967
Ion Ratio Lower Upper
42 100
72 41.6 34.9 52.3
71 37.7 31.2 46.8



#30
Chloroform
Concen: 22.419 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Tgt Ion: 83 Resp: 82052
Ion Ratio Lower Upper
83 100
85 65.8 51.9 77.9





#31

Cyclohexane

Concen: 22.437 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0623SBSD01

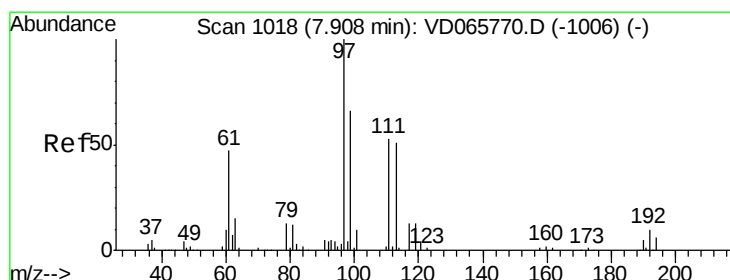
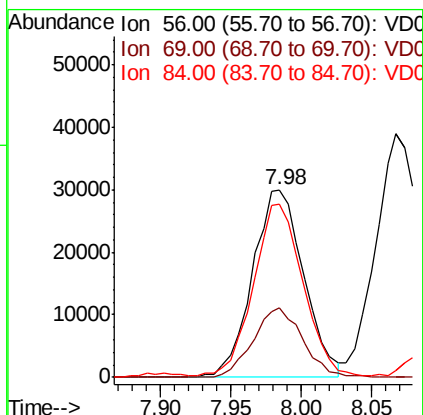
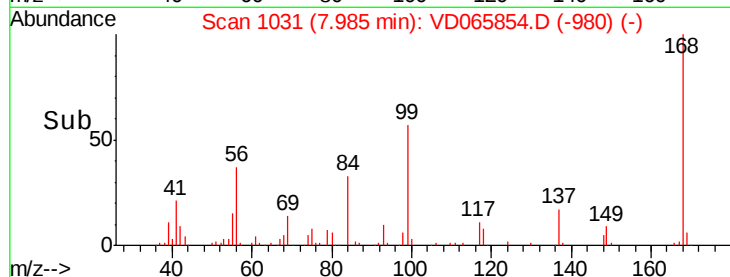
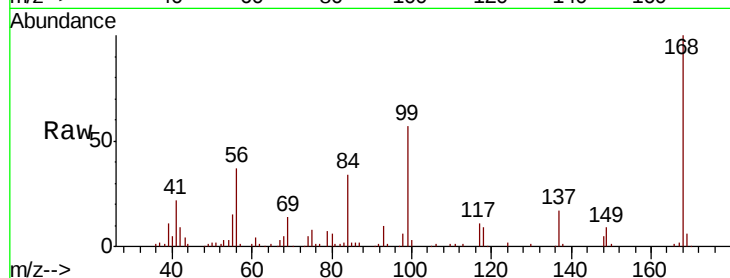
Tot Ion: 56 Resp: 75948

Ion Ratio Lower Upper

56 100

69 37.4 28.5 42.7

84 91.4 68.4 102.6



#32

1,1,1-Trichloroethane

Concen: 22.913 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

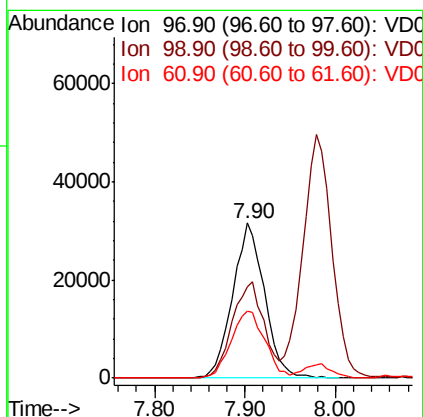
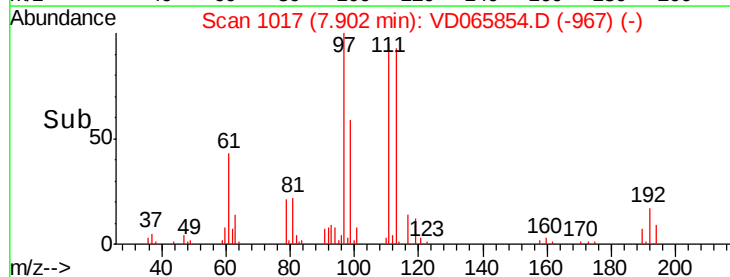
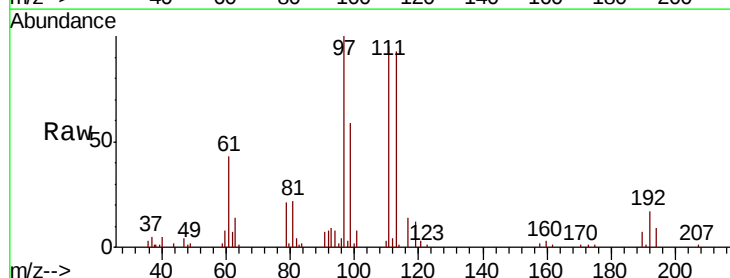
Tgt Ion: 97 Resp: 77107

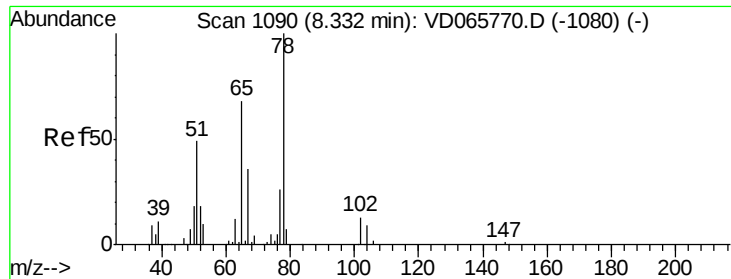
Ion Ratio Lower Upper

97 100

99 62.1 49.2 73.8

61 45.5 36.0 54.0

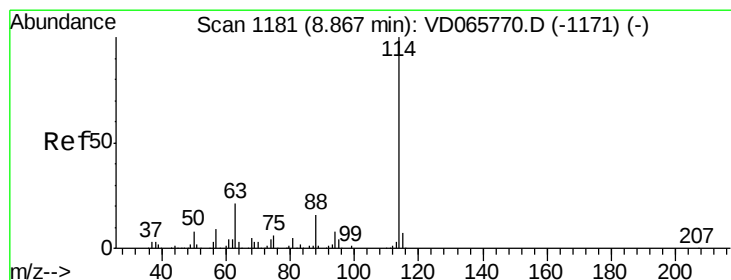
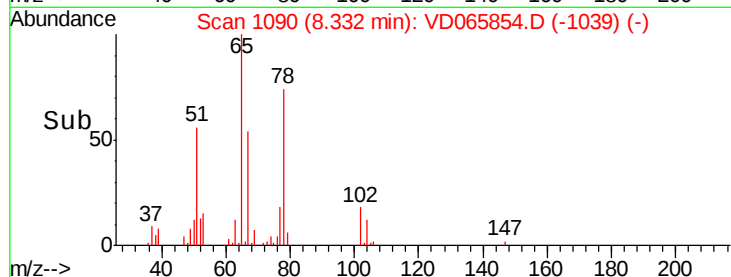
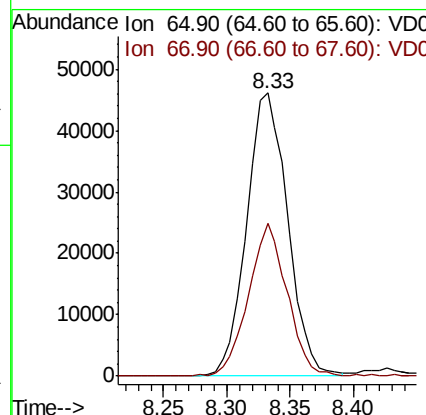
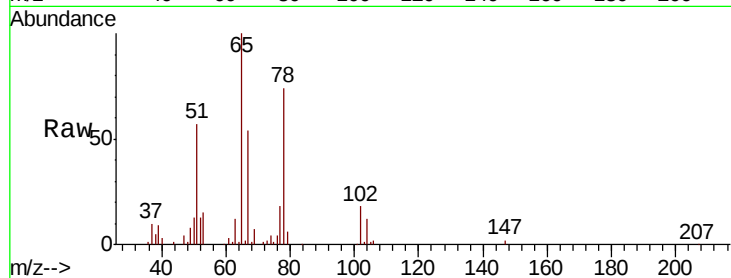




#33
 1,2-Dichloroethane-d4
 Concen: 55.000 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD065854.D
 Acq: 23 Jun 2020 12:31

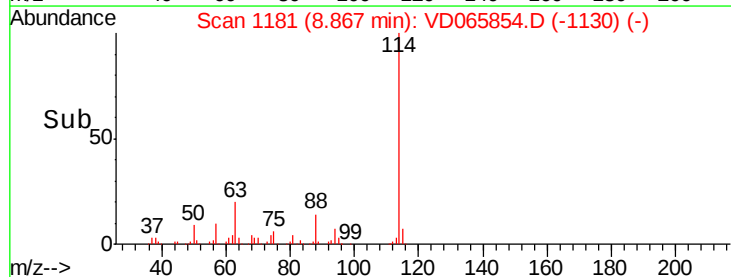
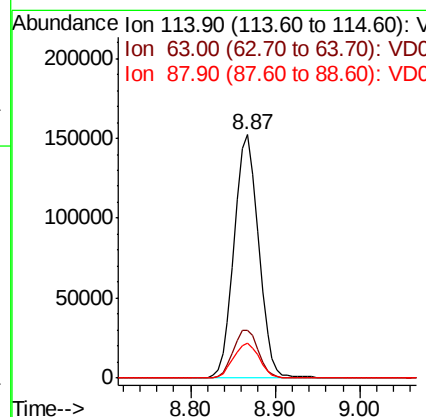
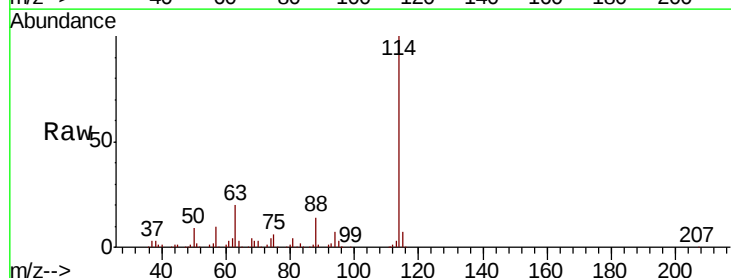
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0623SBSD01

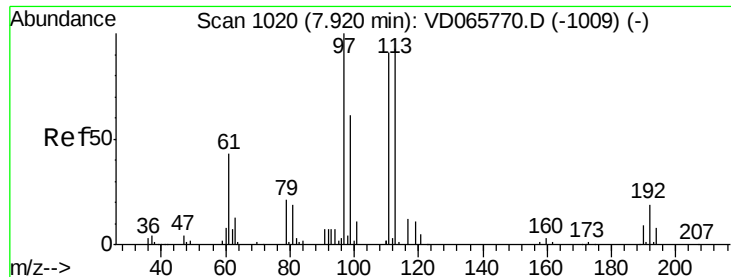
Tot Ion: 65 Resp: 103813
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065854.D
 Acq: 23 Jun 2020 12:31

Tgt Ion: 114 Resp: 304719
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 41.8
 88 14.5 0.0 32.0

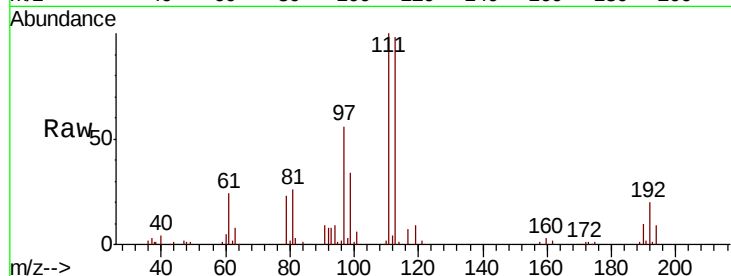




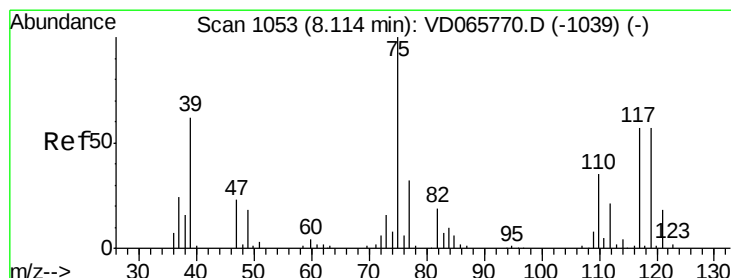
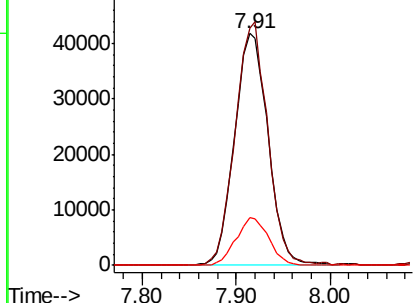
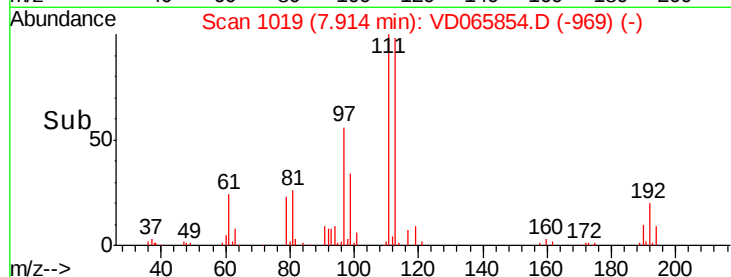
#35
 Dibromofluoromethane
 Concen: 53.743 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065854.D
 Acq: 23 Jun 2020 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0623SBSD01

Tot Ion:113 Resp: 103443
 Ion Ratio Lower Upper
 113 100
 111 102.0 83.4 125.0
 192 19.9 15.7 23.5

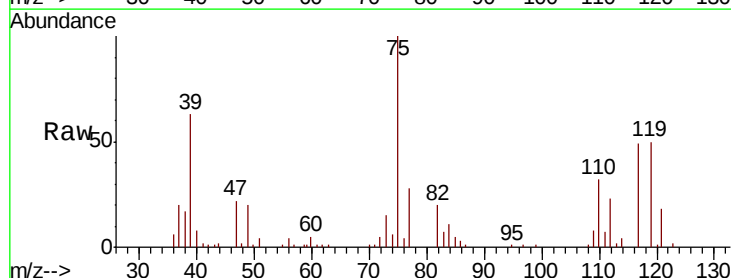


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

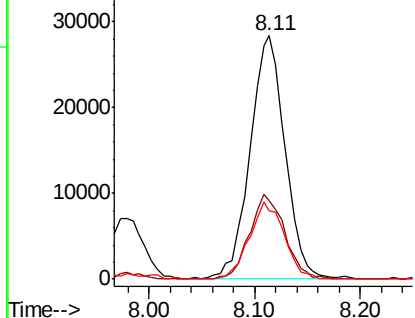
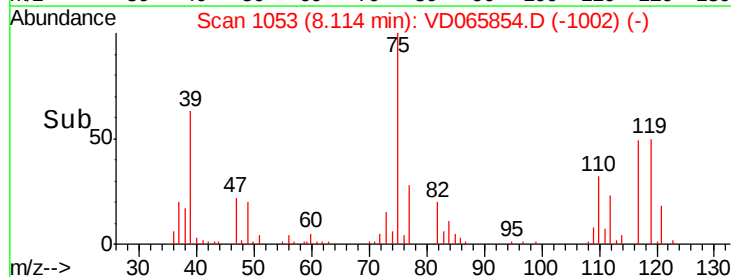


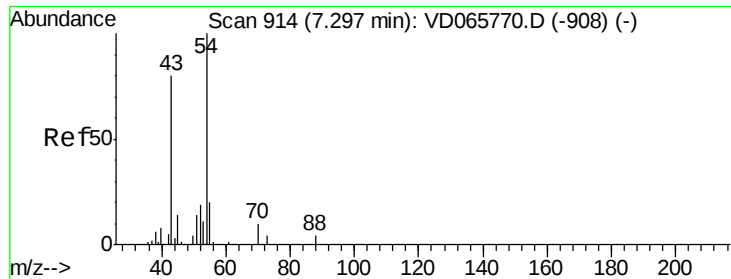
#36
 1,1-Dichloropropene
 Concen: 22.365 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065854.D
 Acq: 23 Jun 2020 12:31

Tgt Ion: 75 Resp: 65282
 Ion Ratio Lower Upper
 75 100
 110 35.0 17.6 52.8
 77 31.7 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

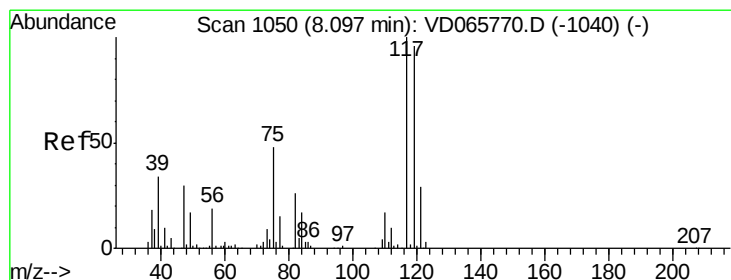
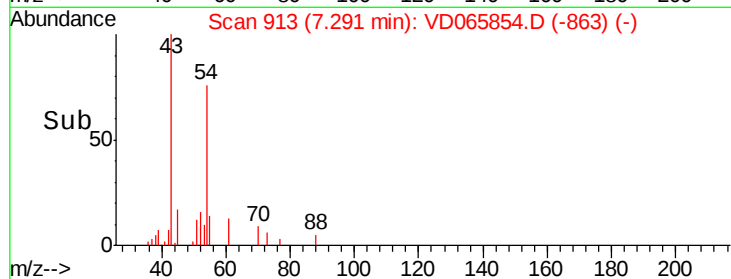
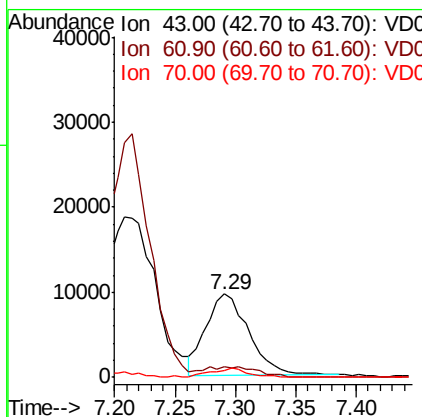
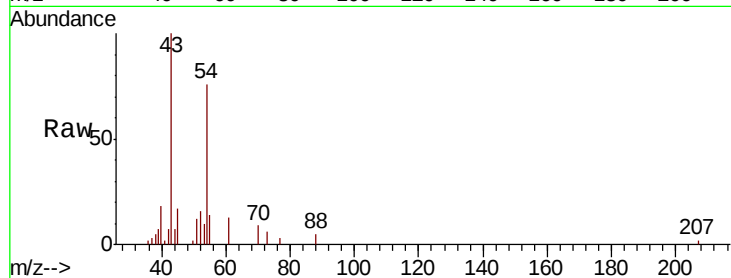




#37
Ethyl Acetate
Concen: 20.815 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

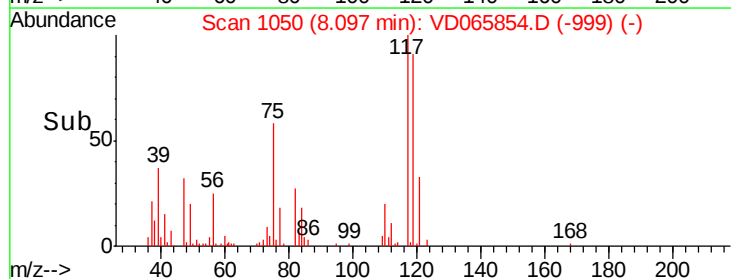
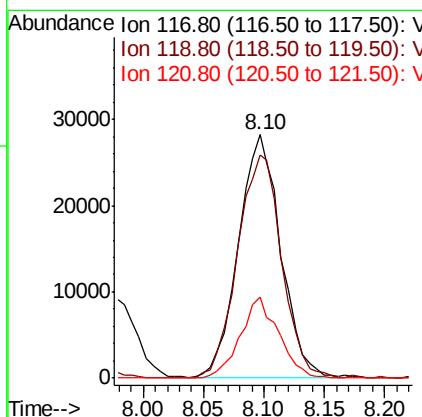
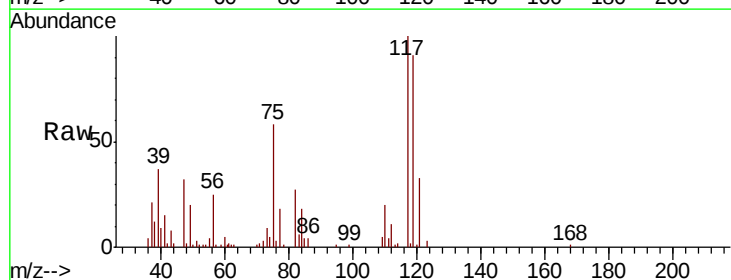
Instrument :
MSVOA_D
ClientSampleId :
VD0623SBS01

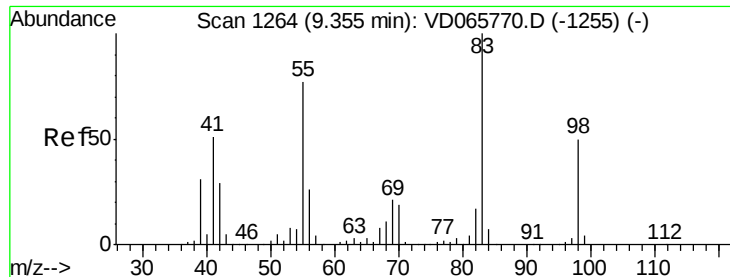
Tot Ion: 43 Resp: 23932
Ion Ratio Lower Upper
43 100
61 15.1 10.6 15.8
70 9.6 7.5 11.3



#38
Carbon Tetrachloride
Concen: 22.383 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Tgt Ion: 117 Resp: 68761
Ion Ratio Lower Upper
117 100
119 91.5 76.8 115.2
121 33.2 23.4 35.2

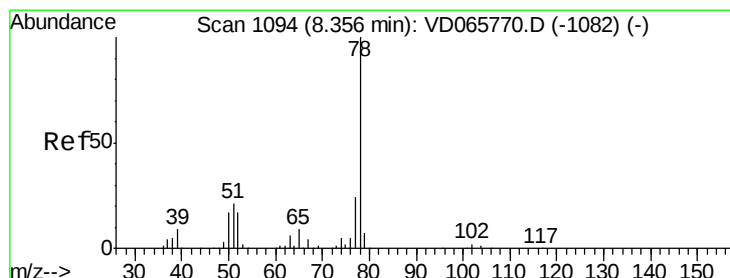
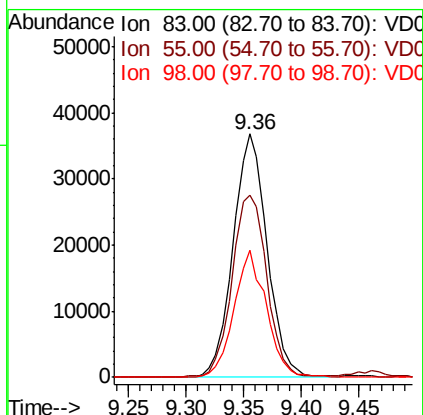
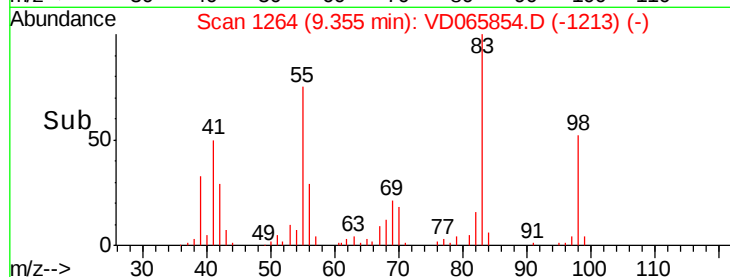
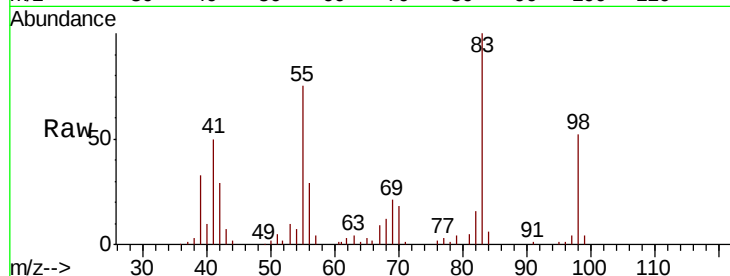




#39
Methvlcvclohexane
Concen: 21.800 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

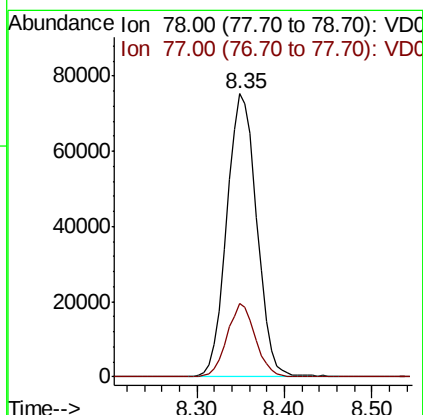
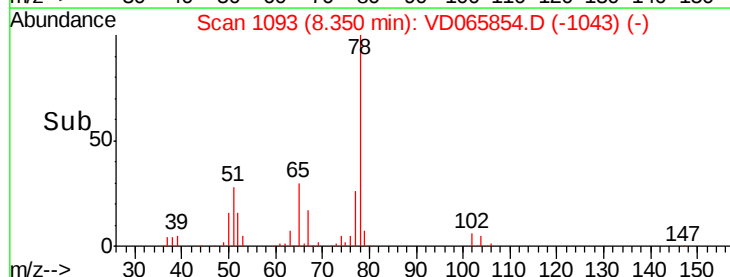
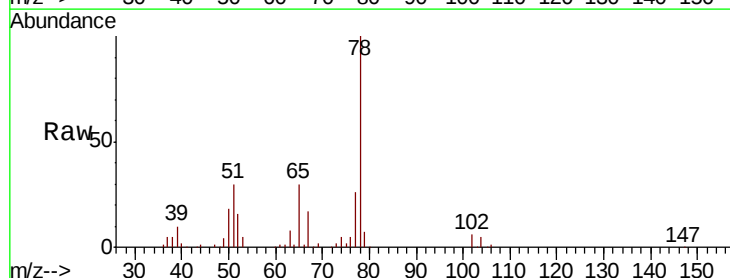
Instrument :
MSVOA_D
ClientSampleId :
VD0623SBSD01

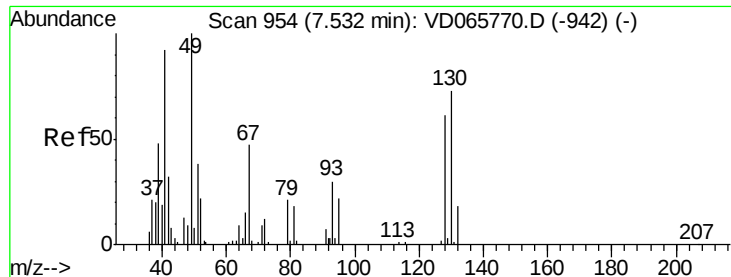
Tot Ion: 83 Resp: 75340
Ion Ratio Lower Upper
83 100
55 74.5 61.6 92.4
98 52.2 40.2 60.2



#40
Benzene
Concen: 22.027 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Tgt Ion: 78 Resp: 175777
Ion Ratio Lower Upper
78 100
77 25.8 19.2 28.8

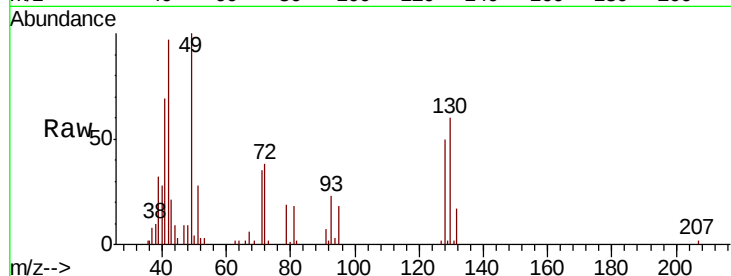




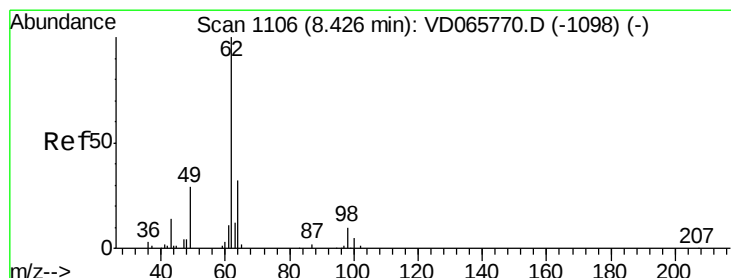
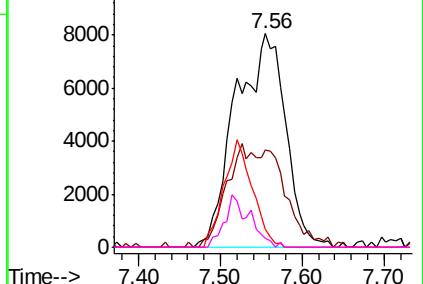
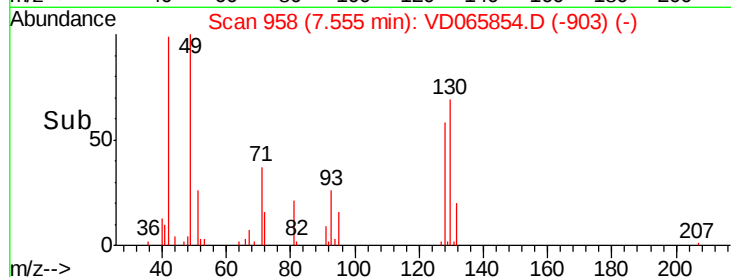
#41
Methacrylonitrile
Concen: 49.936 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.02 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0623SBSD01

Tot Ion: 41 Resp: 34187
Ion Ratio Lower Upper
41 100
39 0.0 38.3 57.5#
67 0.0 49.8 74.6#
52 0.0 21.7 32.5#

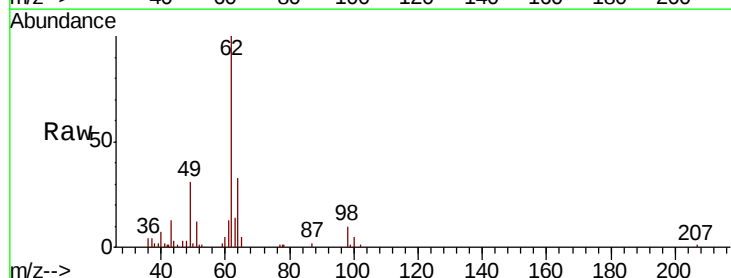


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

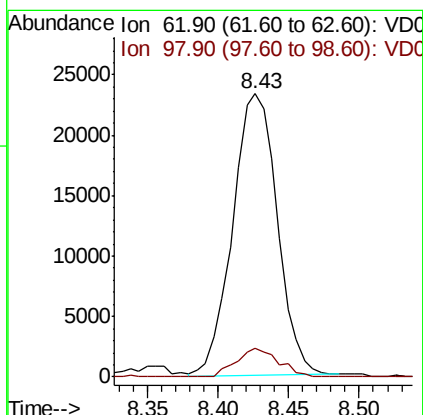
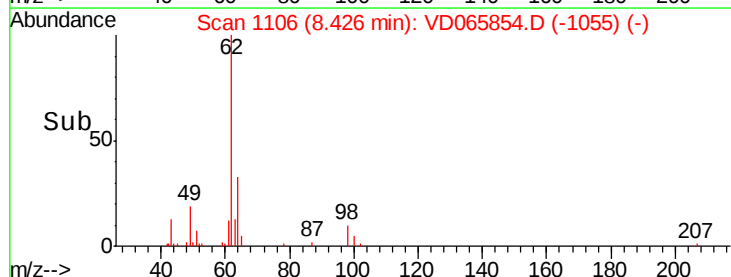


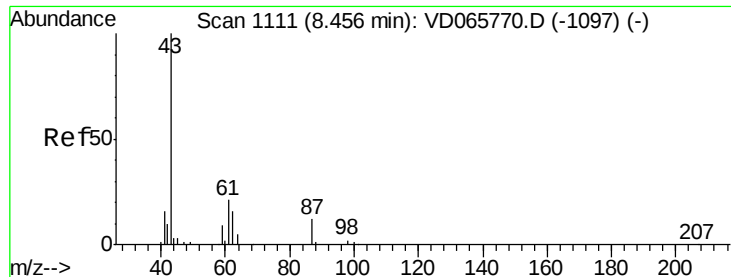
#42
1,2-Dichloroethane
Concen: 21.386 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Tgt Ion: 62 Resp: 51492
Ion Ratio Lower Upper
62 100
98 9.6 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: 20.551 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0623SBSD01

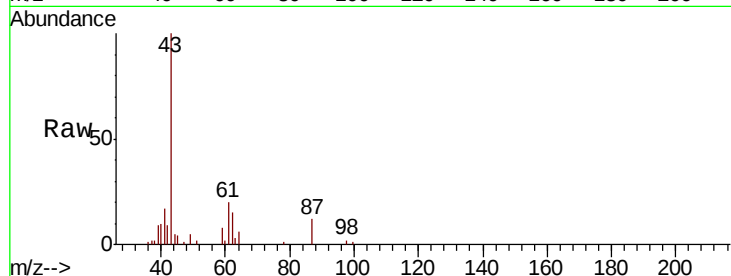
Tot Ion: 43 Resp: 46986

Ion Ratio Lower Upper

43 100

61 30.7 24.2 36.4

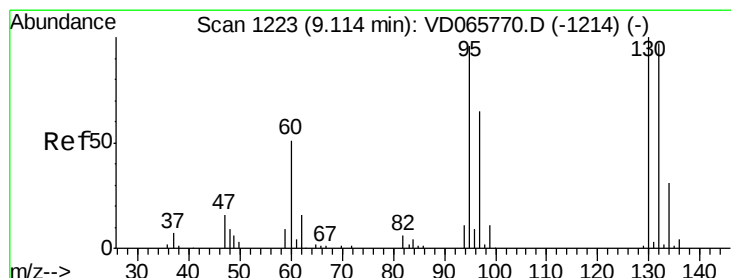
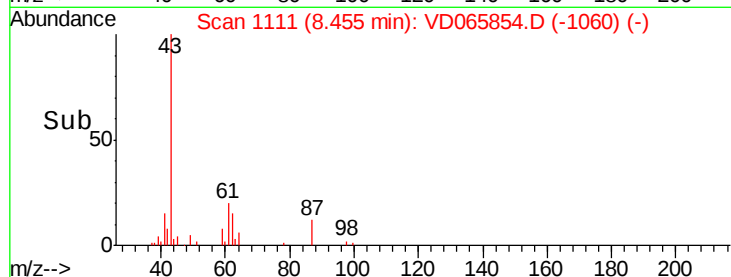
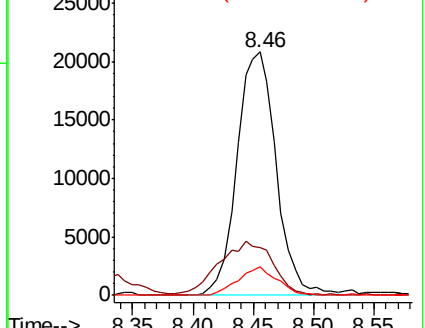
87 11.5 9.5 14.3



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: 21.871 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065854.D

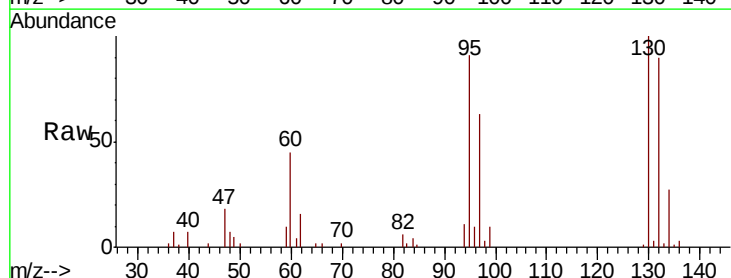
Acq: 23 Jun 2020 12:31

Tgt Ion: 130 Resp: 48569

Ion Ratio Lower Upper

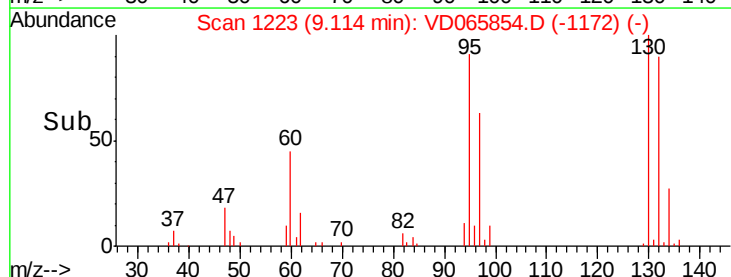
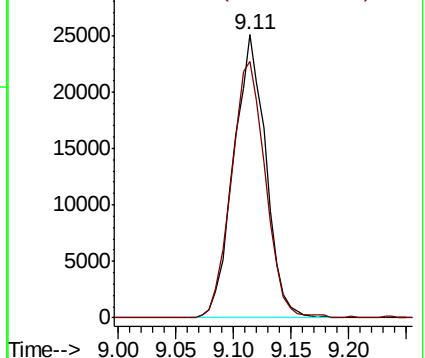
130 100

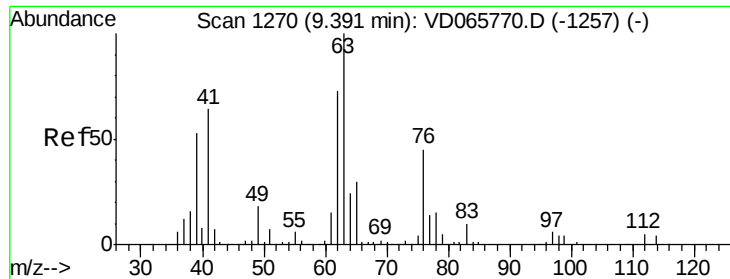
95 90.5 0.0 192.8



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.501 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

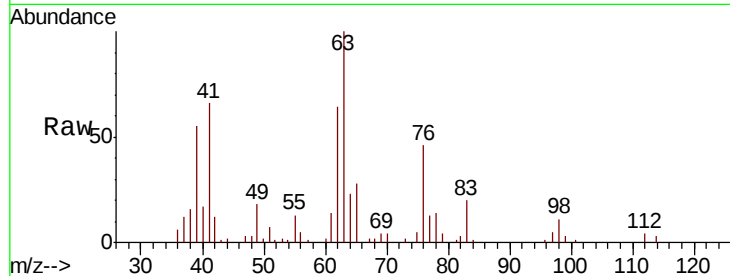
VD0623SBSD01

Tot Ion: 63 Resp: 43111

Ion Ratio Lower Upper

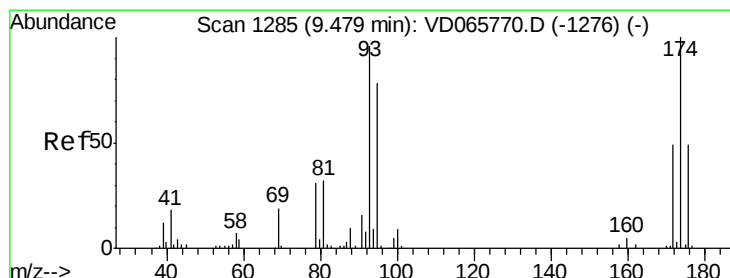
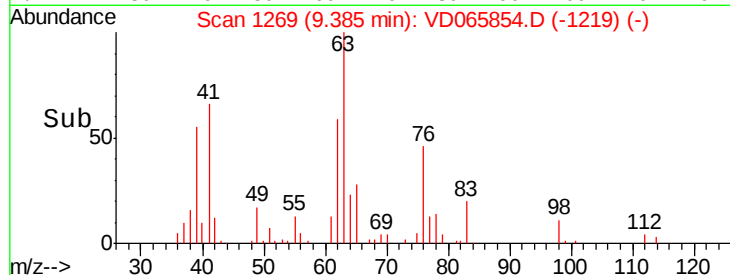
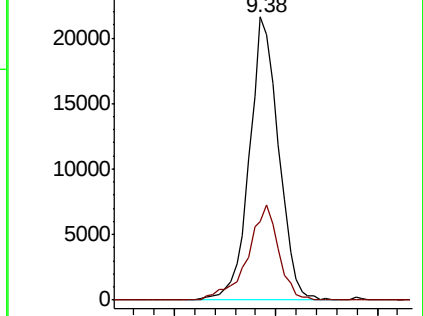
63 100

65 27.9 24.2 36.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 21.931 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

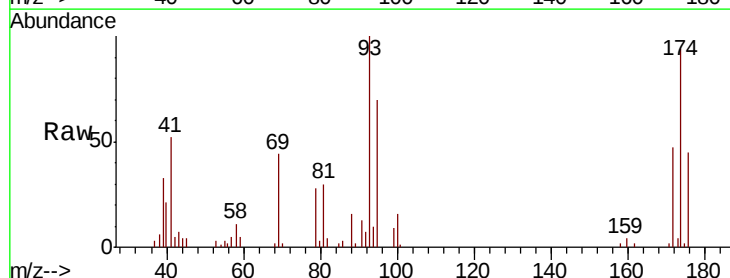
Tgt Ion: 93 Resp: 23849

Ion Ratio Lower Upper

93 100

95 77.4 65.8 98.6

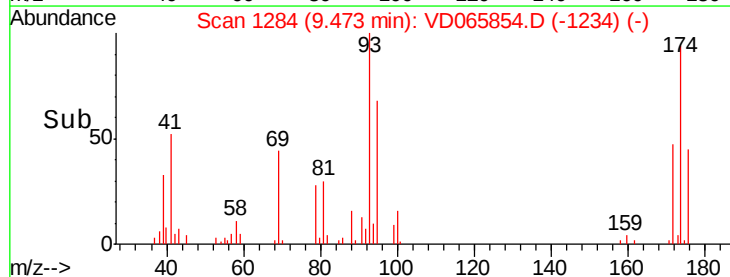
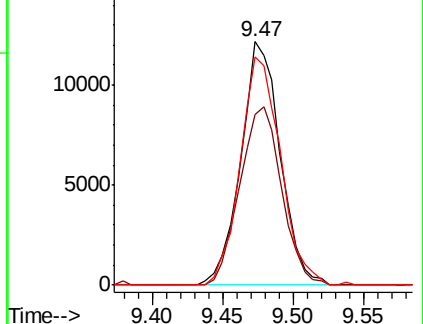
174 95.9 80.9 121.3

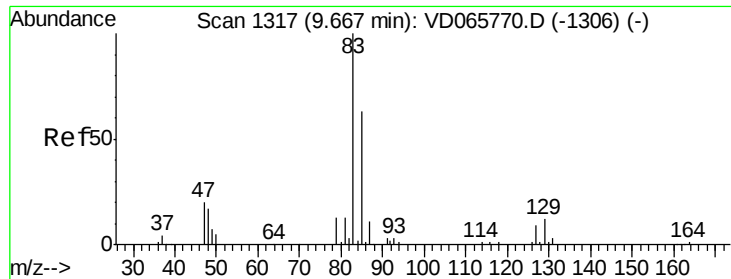


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

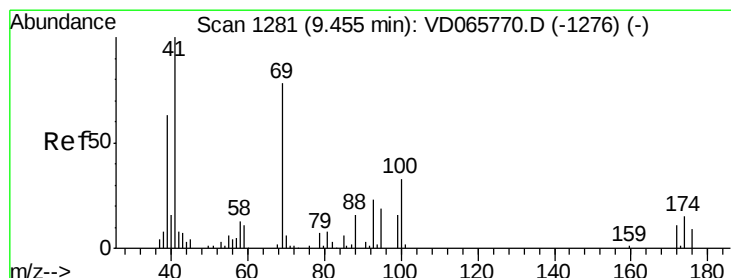
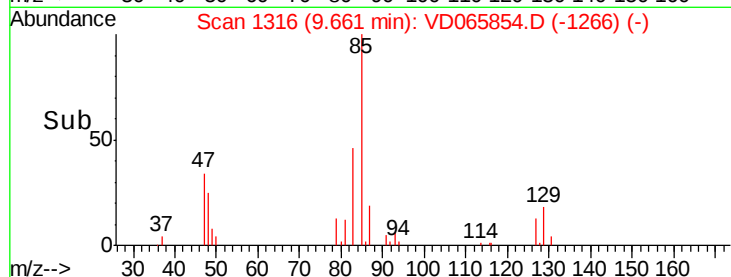
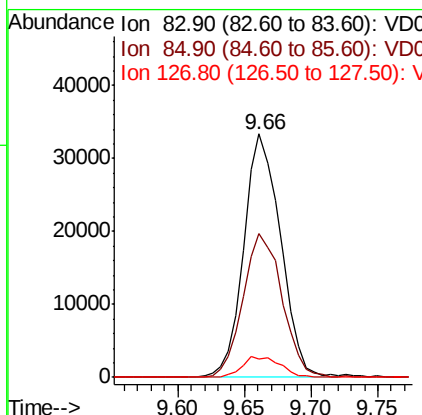
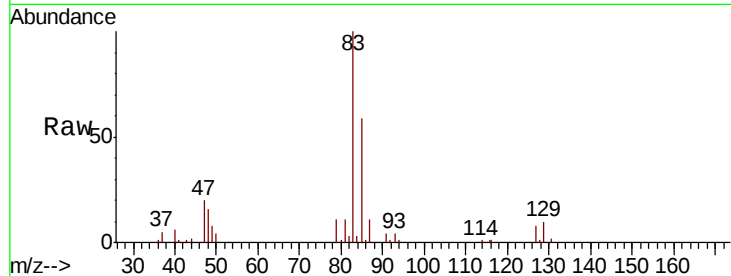




#47
 Bromodichloromethane
 Concen: 21.805 ug/l
 RT: 9.66 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: VD065854.D
 Acq: 23 Jun 2020 12:31

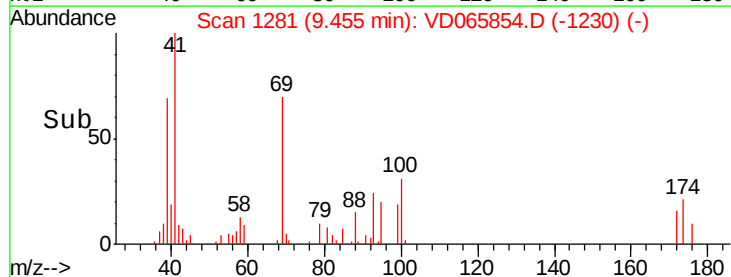
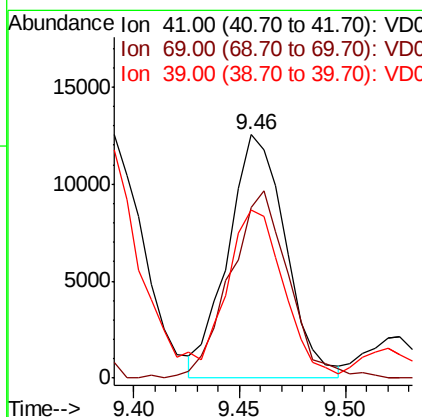
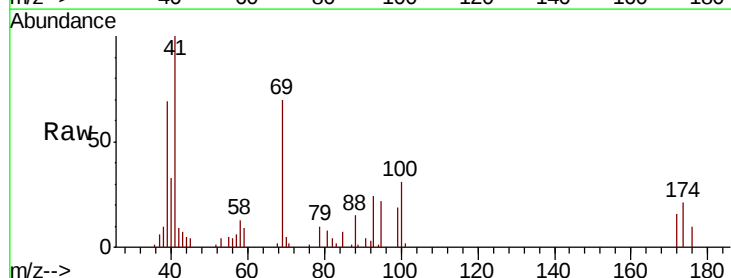
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0623SBSD01

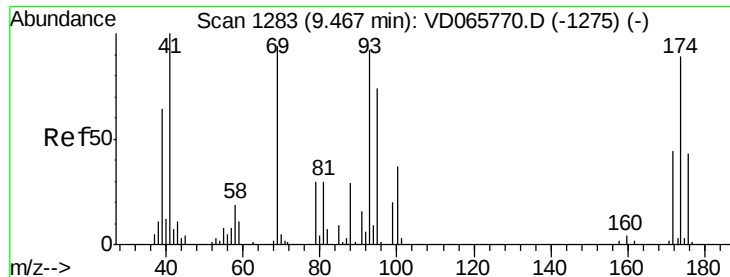
Tot Ion: 83 Resp: 63540
 Ion Ratio Lower Upper
 83 100
 85 58.9 50.7 76.1
 127 7.7 7.1 10.7



#48
 Methyl methacrylate
 Concen: 21.437 ug/l
 RT: 9.46 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VD065854.D
 Acq: 23 Jun 2020 12:31

Tgt Ion: 41 Resp: 23724
 Ion Ratio Lower Upper
 41 100
 69 78.3 60.9 91.3
 39 67.3 48.1 72.1

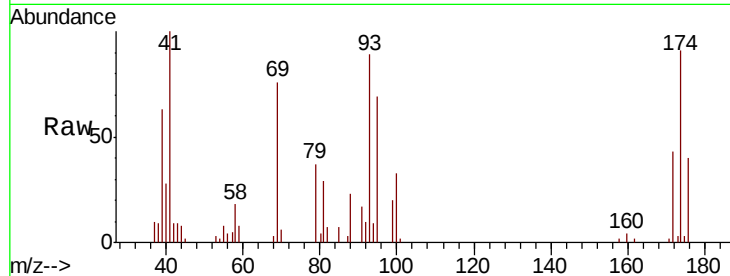




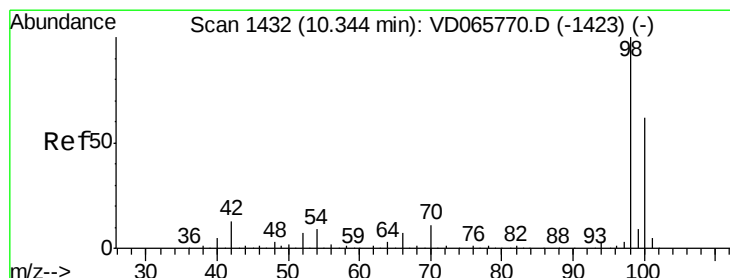
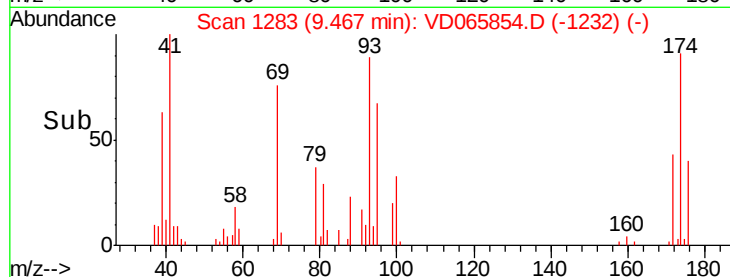
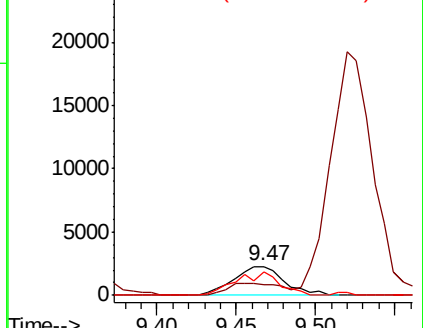
#49
1,4-Dioxane
Concen: 433.875 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0623SBSD01

Tot Ion: 88 Resp: 5022
Ion Ratio Lower Upper
88 100
43 44.0 32.2 48.4
58 70.1 54.9 82.3

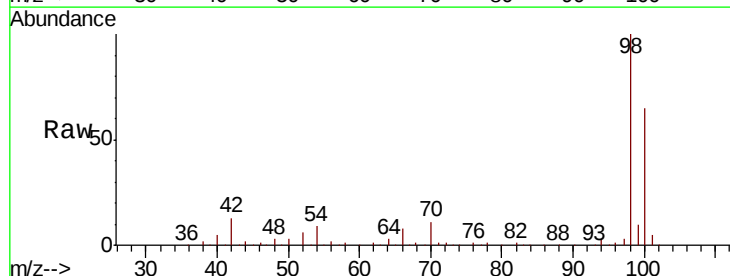


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

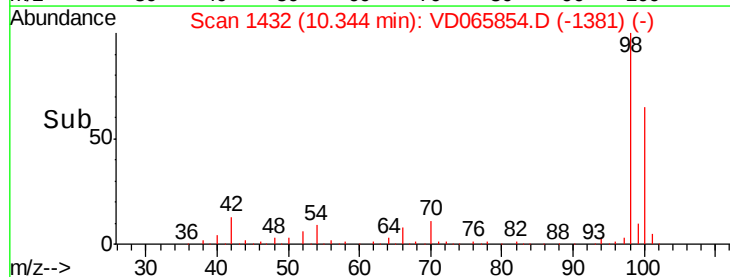
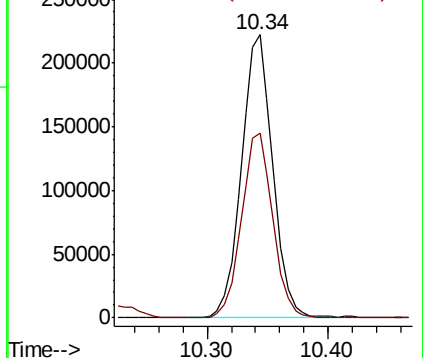


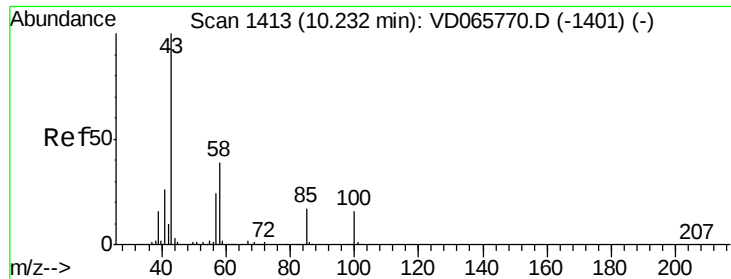
#50
Toluene-d8
Concen: 55.694 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Tgt Ion: 98 Resp: 399734
Ion Ratio Lower Upper
98 100
100 65.6 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: 103.948 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

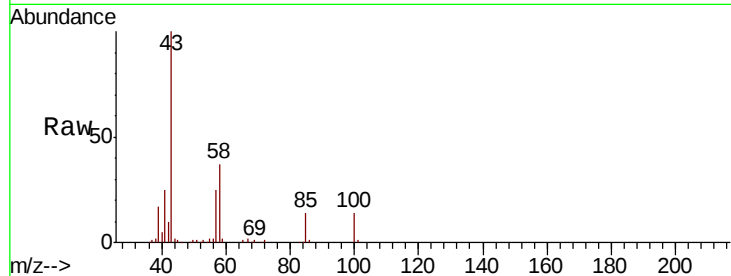
VD0623SBS01

Tot Ion: 43 Resp: 116455

Ion Ratio Lower Upper

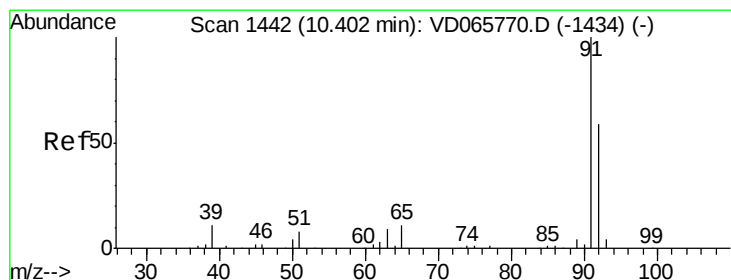
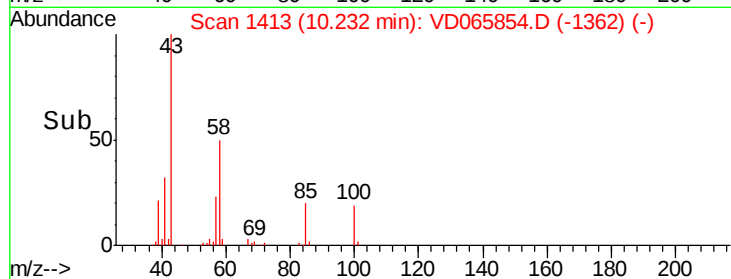
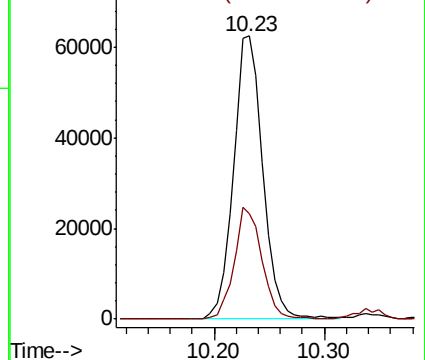
43 100

58 37.5 30.7 46.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 22.122 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD065854.D

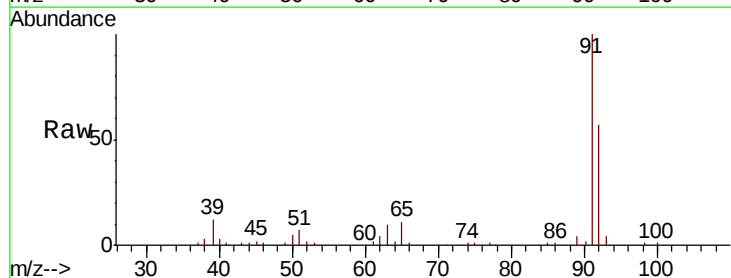
Acq: 23 Jun 2020 12:31

Tgt Ion: 92 Resp: 114706

Ion Ratio Lower Upper

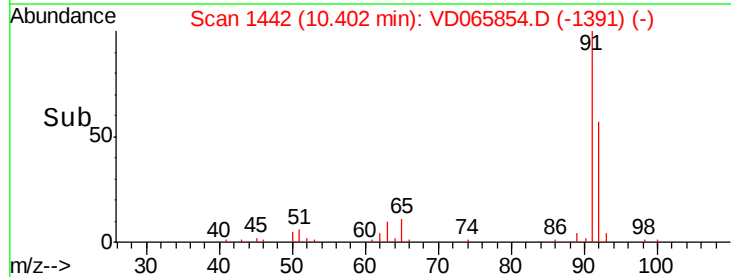
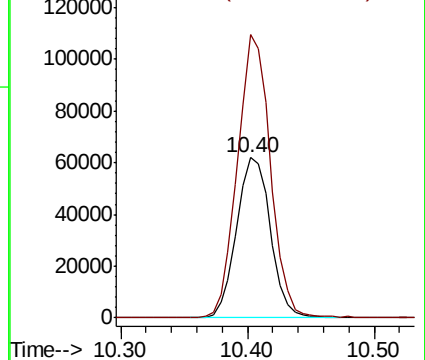
92 100

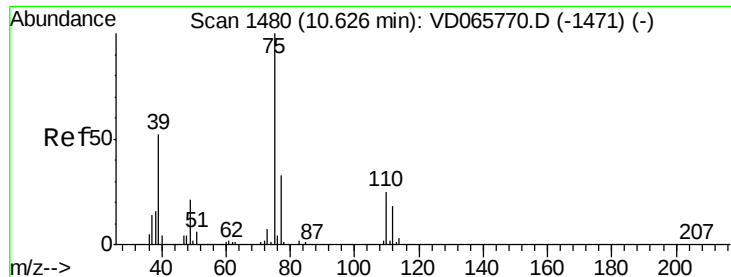
91 172.9 137.8 206.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

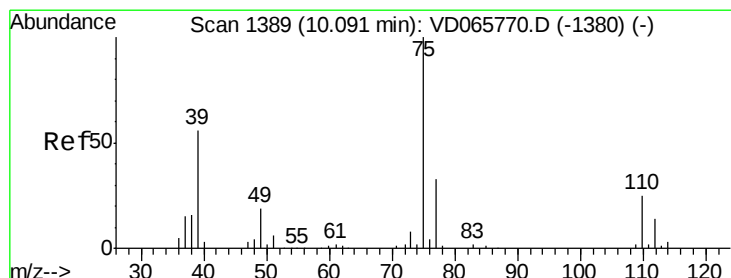
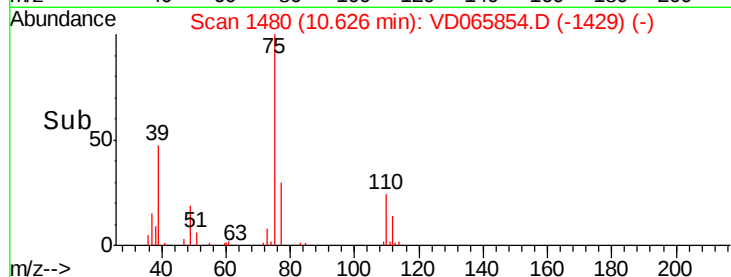
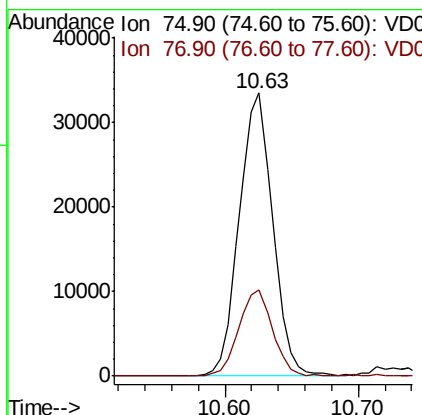
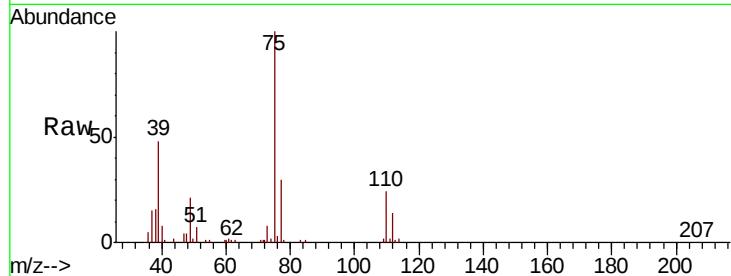




#53
t-1,3-Dichloropropene
Concen: 22.067 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

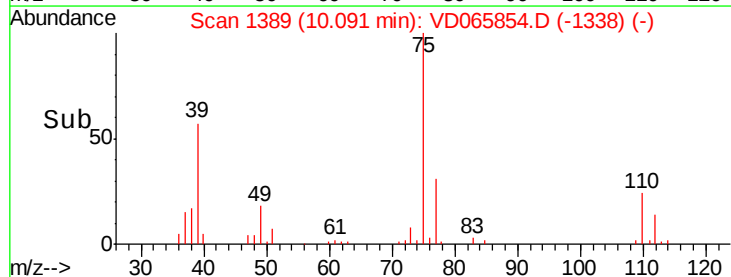
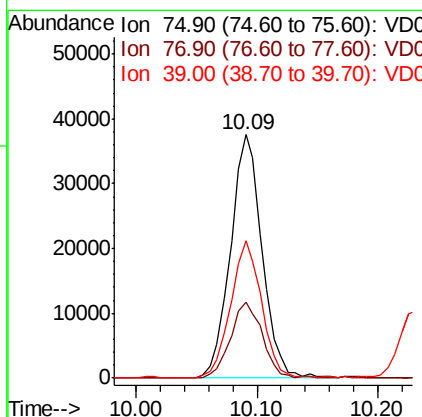
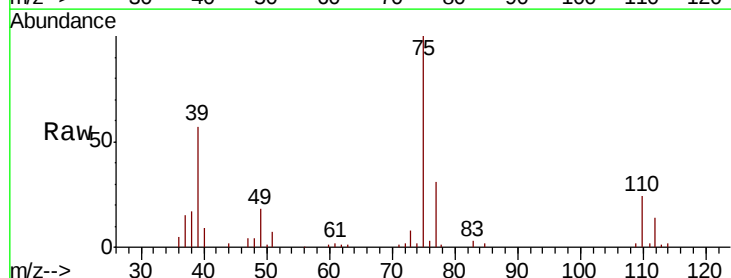
Instrument :
MSVOA_D
ClientSampleId :
VD0623SBSD01

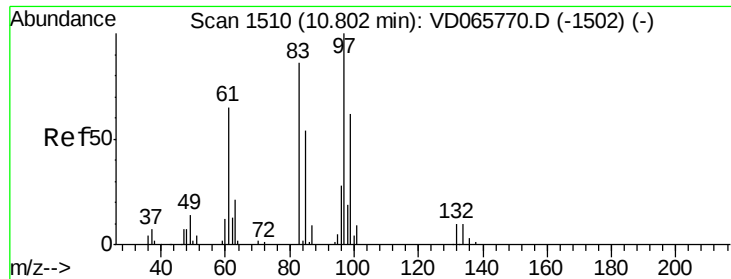
Tot Ion: 75 Resp: 58231
Ion Ratio Lower Upper
75 100
77 30.3 26.4 39.6



#54
cis-1,3-Dichloropropene
Concen: 21.897 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Tgt Ion: 75 Resp: 68243
Ion Ratio Lower Upper
75 100
77 31.1 26.0 39.0
39 56.6 45.0 67.6





#55

1,1,2-Trichloroethane

Concen: 21.850 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0623SBSD01

Tot Ion: 97 Resp: 31748

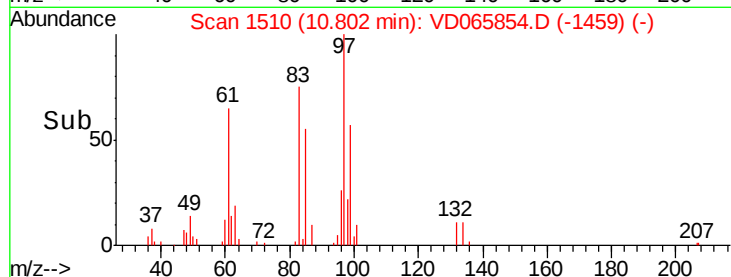
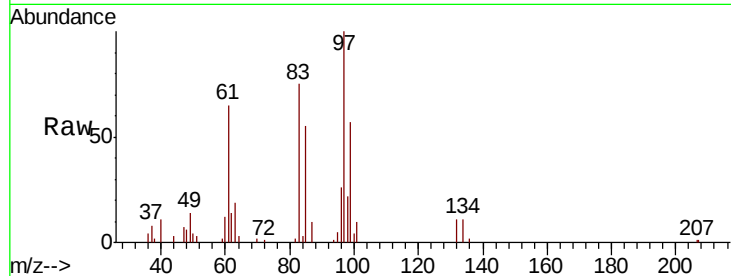
Ion	Ratio	Lower	Upper
97	100		
83	74.9	68.7	103.1
85	55.4	43.0	64.6
99	56.5	49.8	74.6

97 100

83 74.9 68.7 103.1

85 55.4 43.0 64.6

99 56.5 49.8 74.6



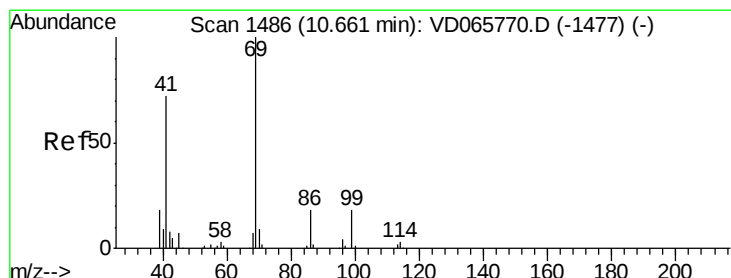
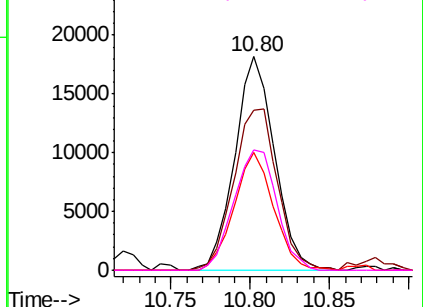
Abundance

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: 21.088 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

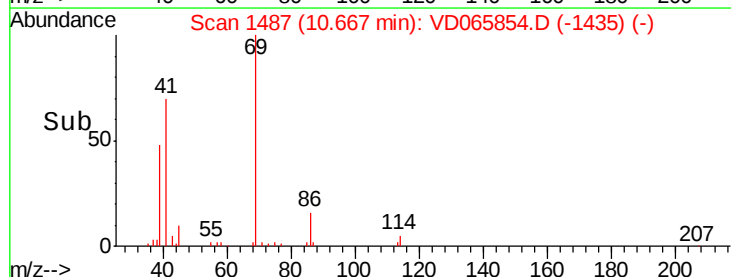
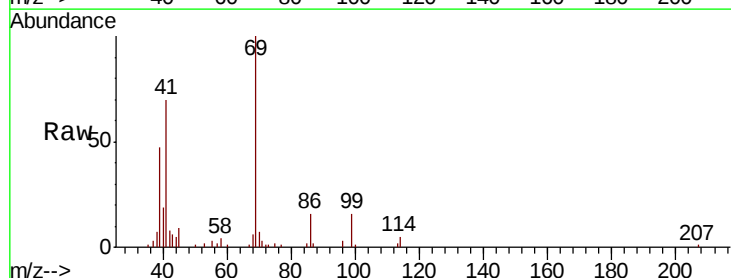
Tgt Ion: 69 Resp: 36040

Ion	Ratio	Lower	Upper
69	100		
41	72.7	56.9	85.3
39	44.8	36.0	54.0

69 100

41 72.7 56.9 85.3

39 44.8 36.0 54.0

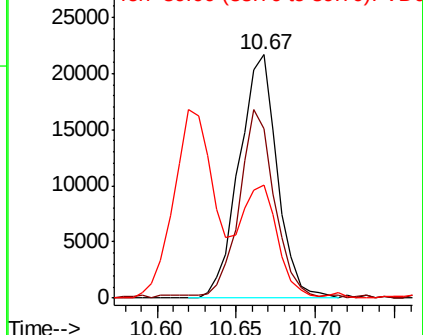


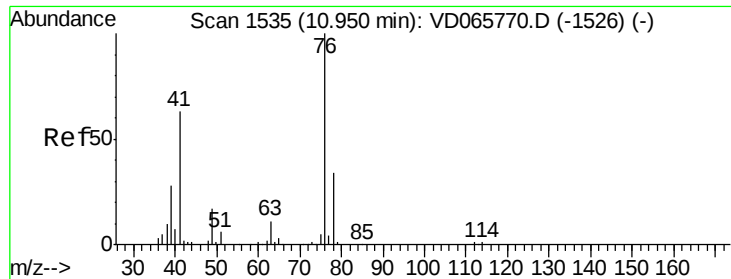
Abundance

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: 21.289 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

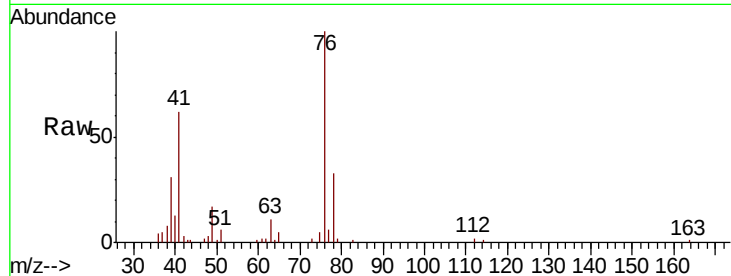
VD0623SBS01

Tot Ion: 76 Resp: 53593

Ion Ratio Lower Upper

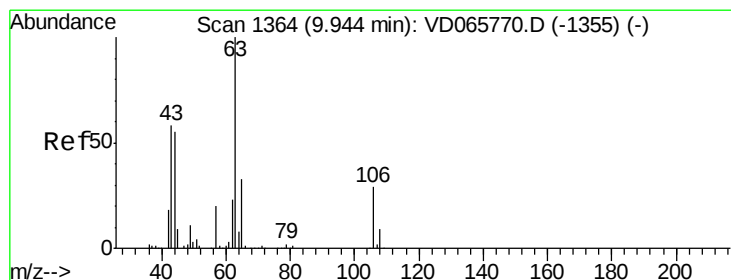
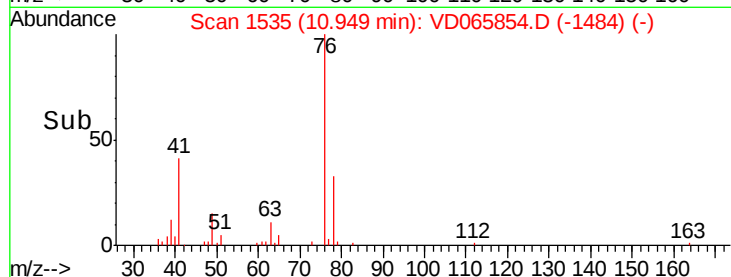
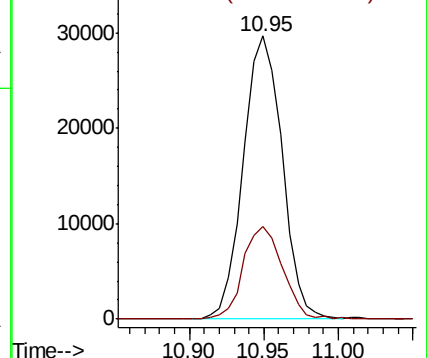
76 100

78 33.2 26.3 39.5



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 96.164 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD065854.D

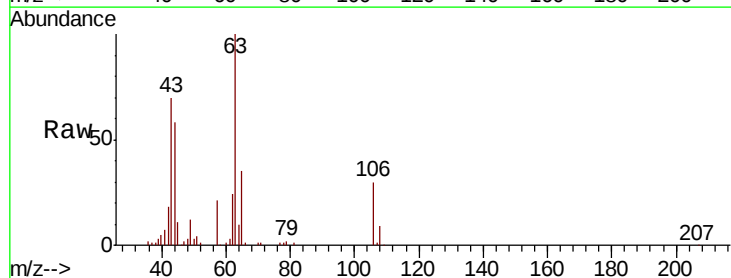
Acq: 23 Jun 2020 12:31

Tgt Ion: 63 Resp: 76409

Ion Ratio Lower Upper

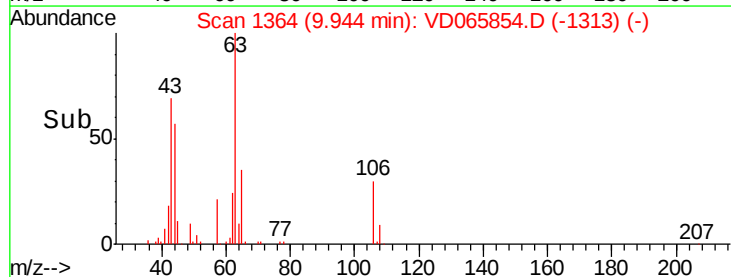
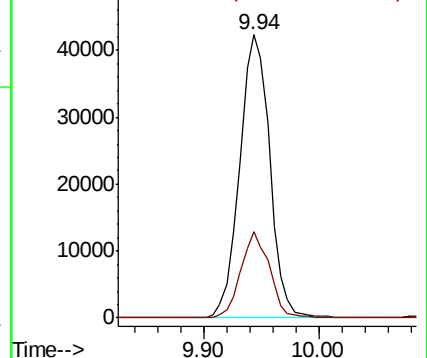
63 100

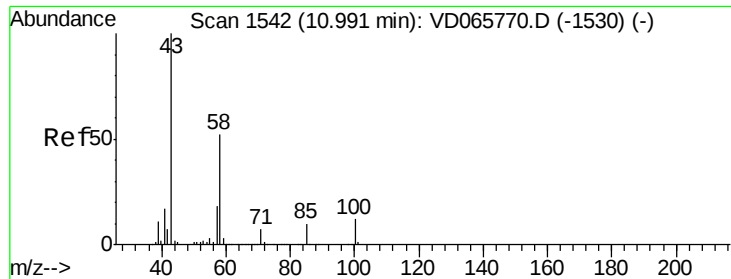
106 29.0 23.2 34.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

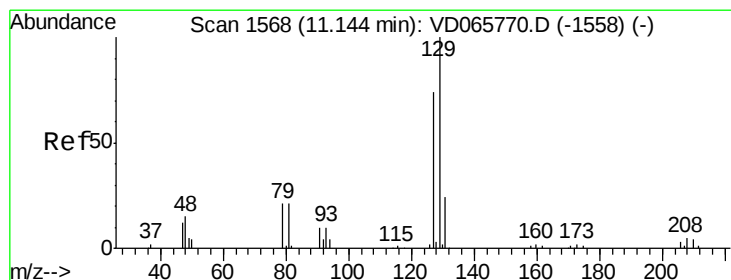
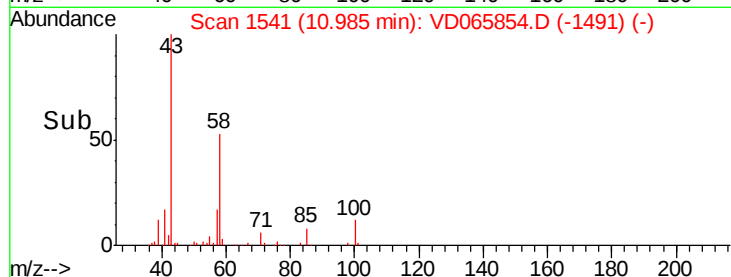
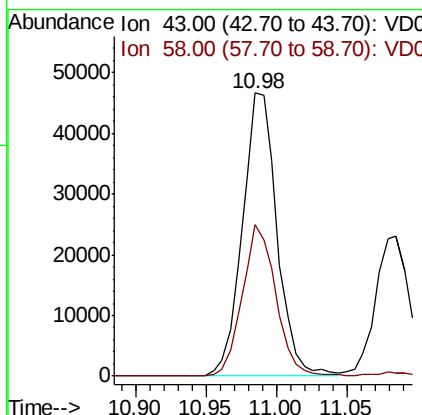
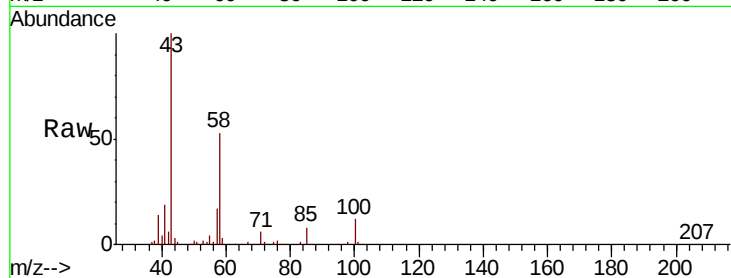




#59
2-Hexanone
Concen: 106.209 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

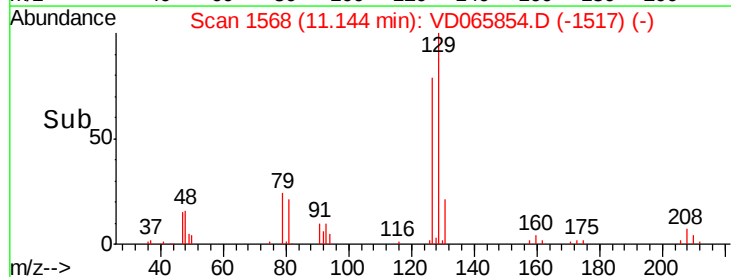
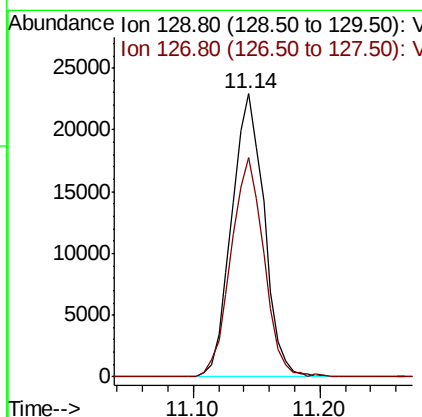
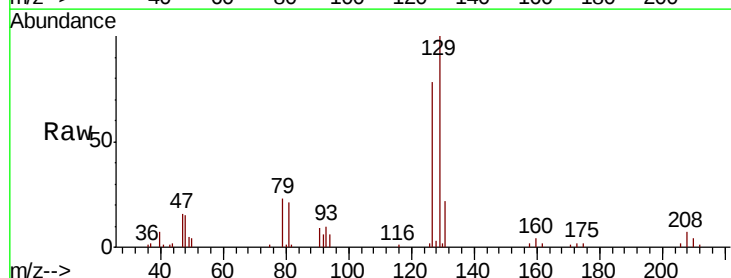
Instrument :
MSVOA_D
ClientSampleId :
VD0623SBSD01

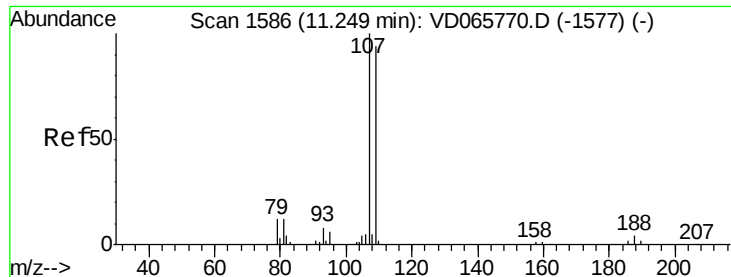
Tot Ion: 43 Resp: 80220
Ion Ratio Lower Upper
43 100
58 51.7 25.7 77.0



#60
Dibromochloromethane
Concen: 20.730 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Tgt Ion: 129 Resp: 40690
Ion Ratio Lower Upper
129 100
127 77.9 38.0 113.9

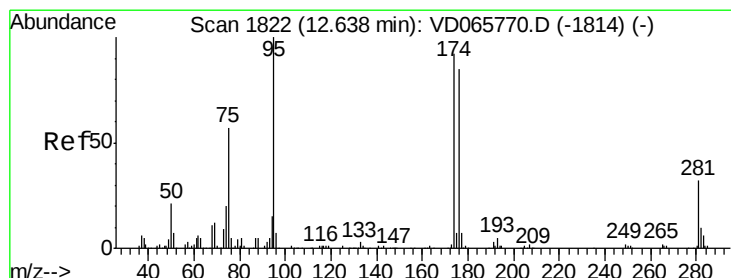
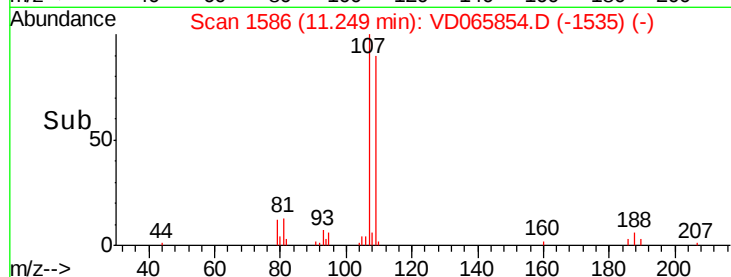
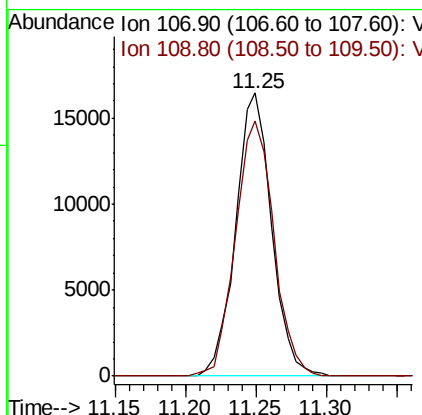
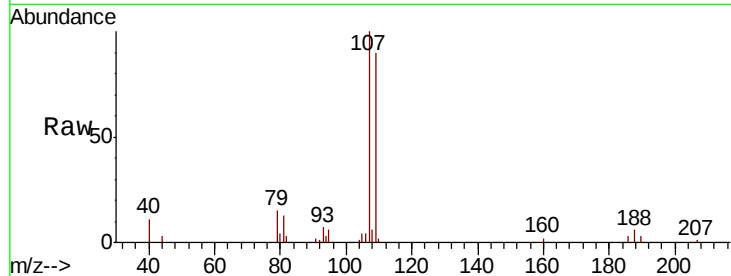




#61
 1,2-Dibromoethane
 Concen: 20.517 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065854.D
 Acq: 23 Jun 2020 12:31

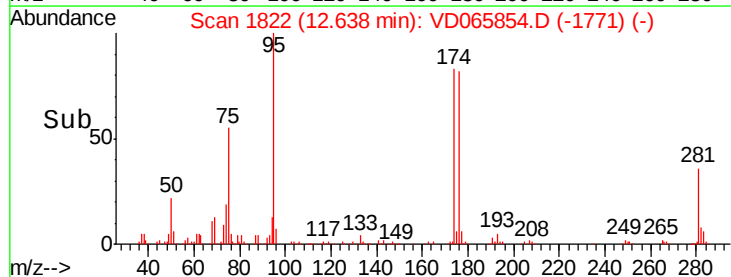
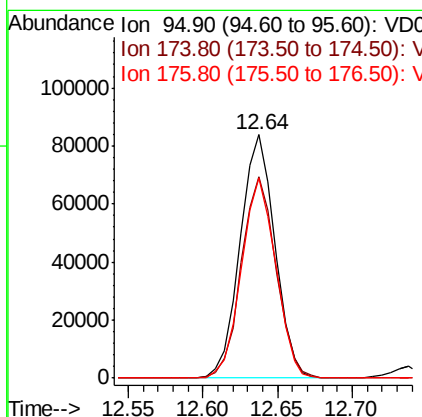
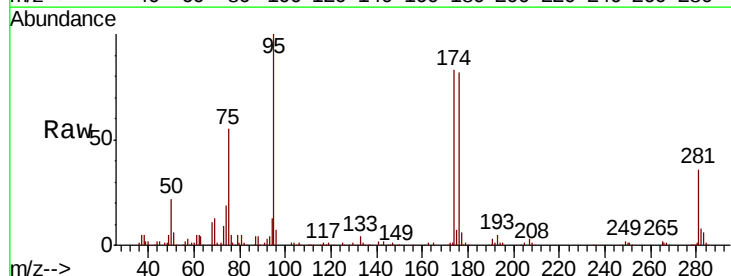
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0623SBSD01

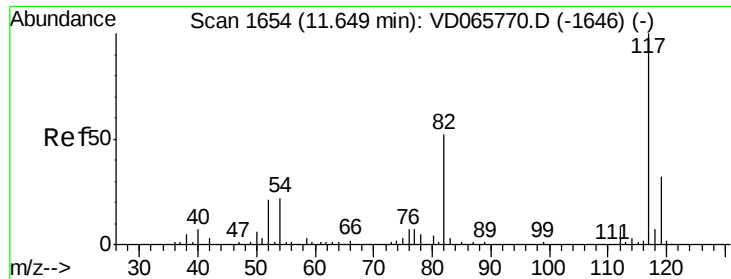
Tot Ion:107 Resp: 29297
 Ion Ratio Lower Upper
 107 100
 109 96.2 74.4 111.6



#62
 4-Bromofluorobenzene
 Concen: 55.535 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065854.D
 Acq: 23 Jun 2020 12:31

Tgt Ion: 95 Resp: 135175
 Ion Ratio Lower Upper
 95 100
 174 82.7 0.0 175.2
 176 80.8 0.0 163.0

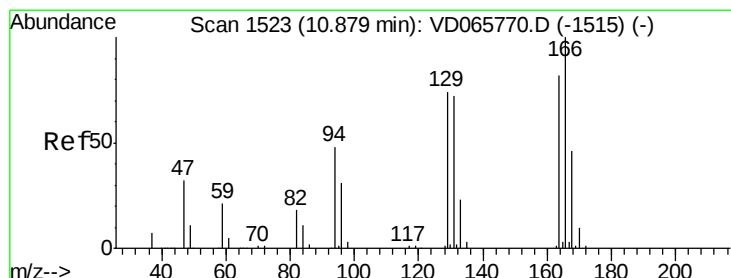
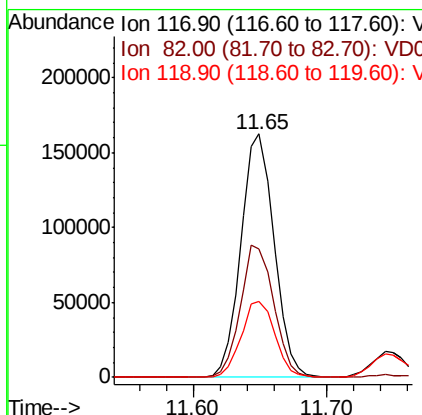
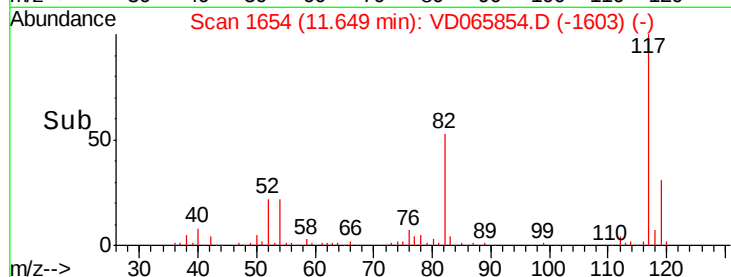
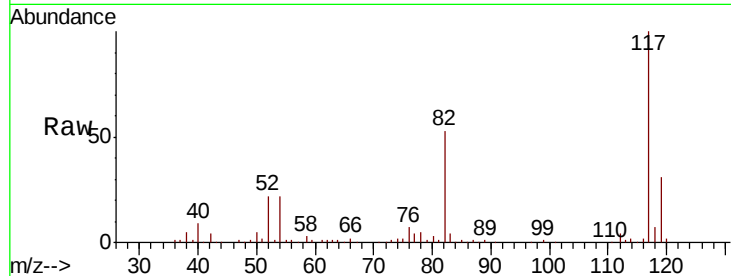




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

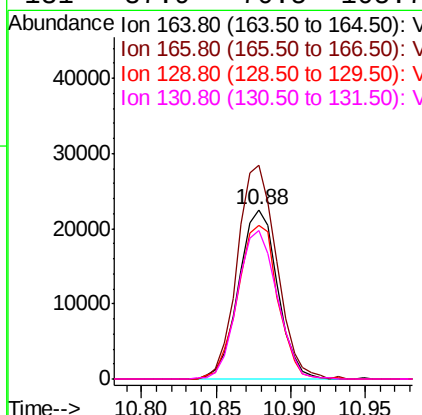
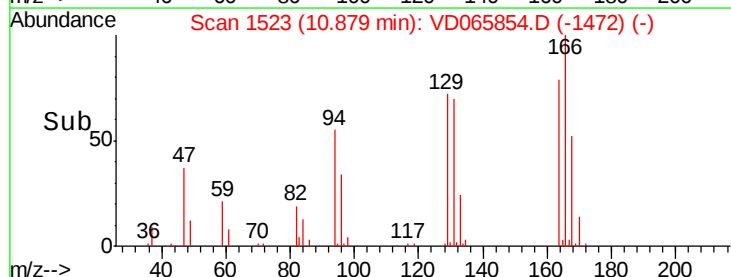
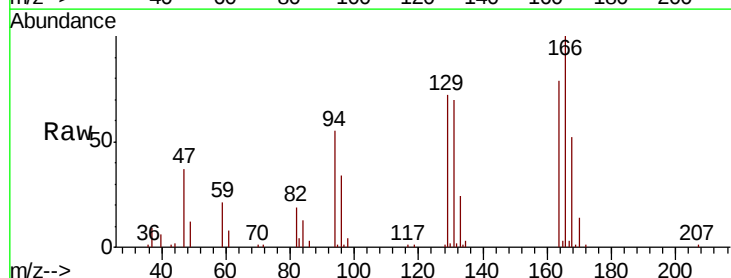
Instrument :
MSVOA_D
ClientSampleId :
VD0623SBSD01

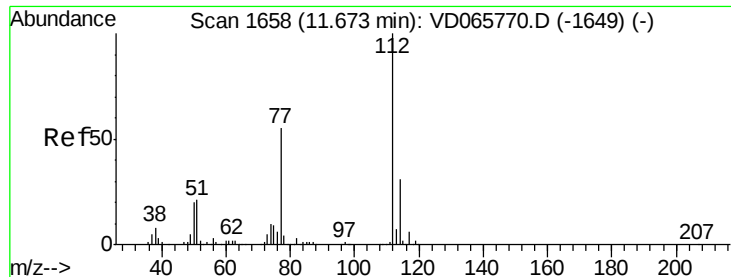
Tot Ion:117 Resp: 279822
Ion Ratio Lower Upper
117 100
82 52.8 41.9 62.9
119 31.2 25.3 37.9



#64
Tetrachloroethene
Concen: 21.502 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Tgt Ion:164 Resp: 40686
Ion Ratio Lower Upper
164 100
166 126.0 98.2 147.2
129 90.9 72.3 108.5
131 87.9 70.5 105.7

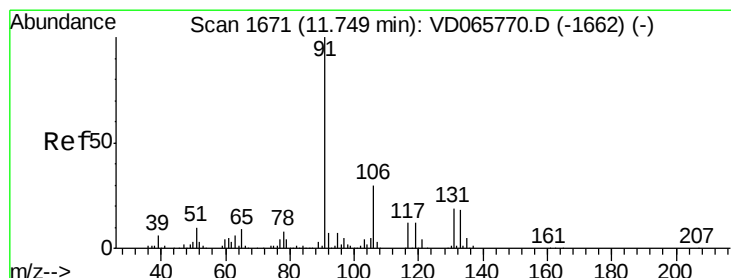
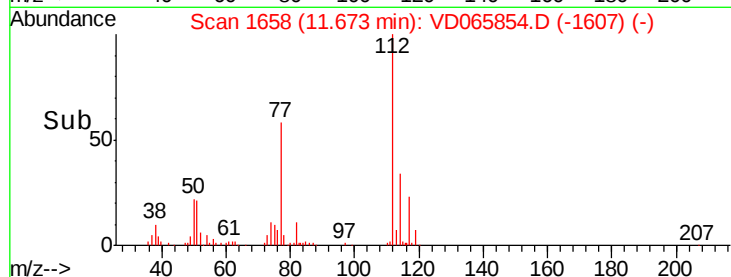
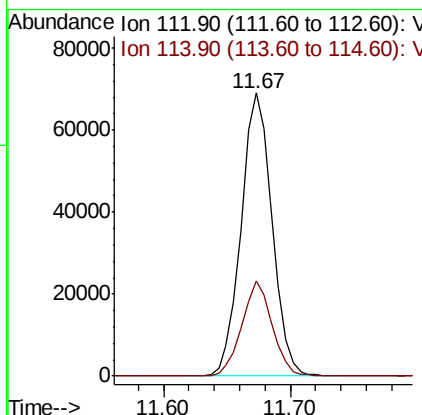
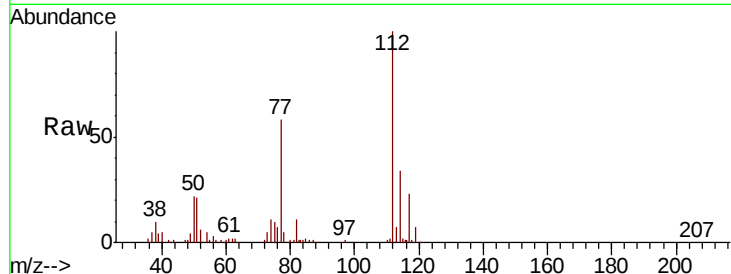




#65
Chlorobenzene
Concen: 21.426 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

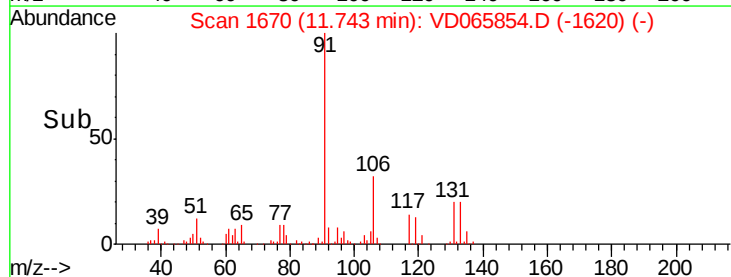
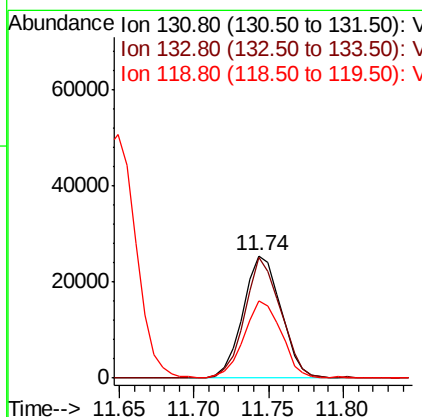
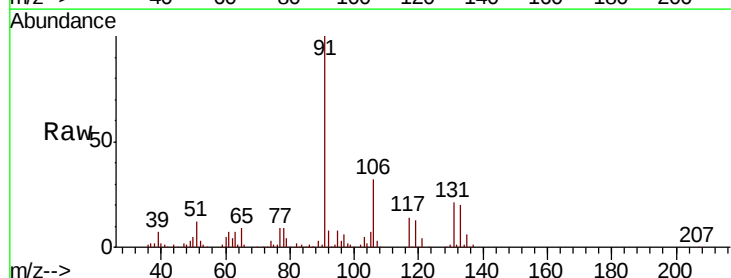
Instrument :
MSVOA_D
ClientSampleId :
VD0623SBSD01

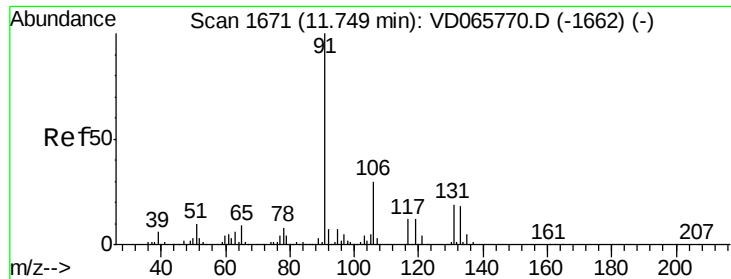
Tot Ion:112 Resp: 117048
Ion Ratio Lower Upper
112 100
114 33.7 24.7 37.1



#66
1,1,1,2-Tetrachloroethane
Concen: 22.030 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Tgt Ion:131 Resp: 44859
Ion Ratio Lower Upper
131 100
133 92.9 47.3 141.9
119 62.3 31.6 94.8

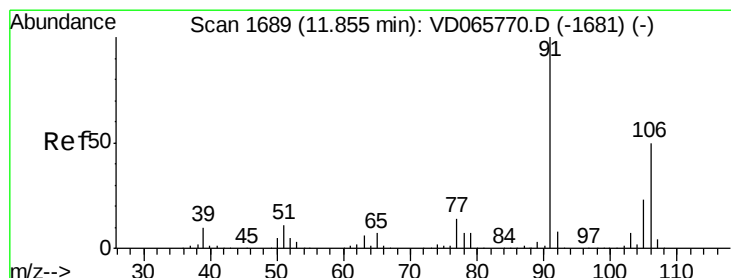
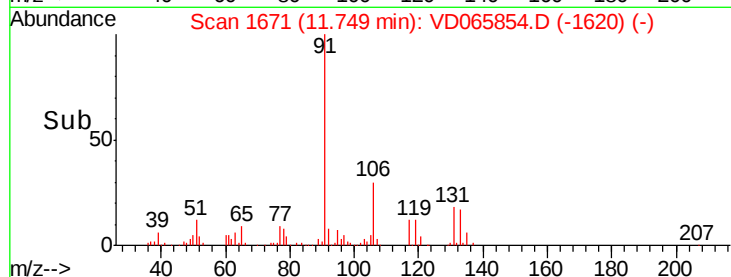
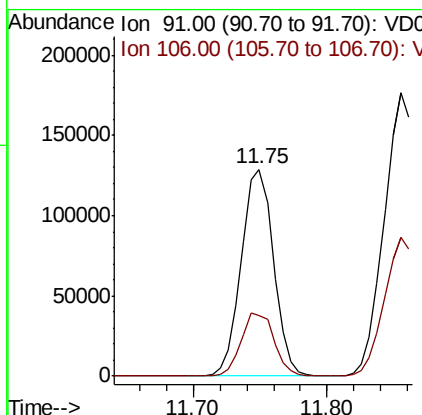
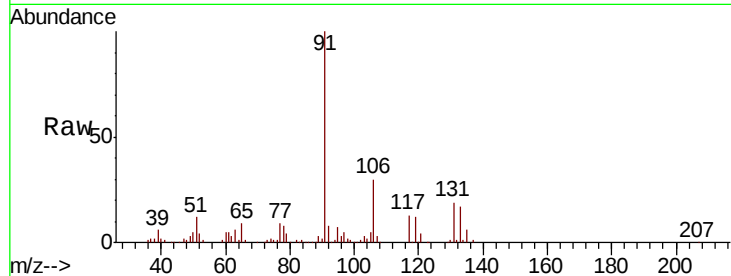




#67
Ethyl Benzene
Concen: 22.128 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

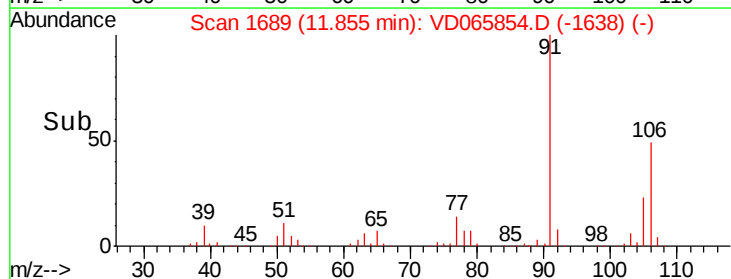
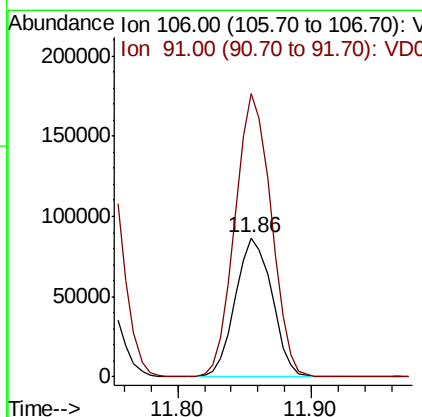
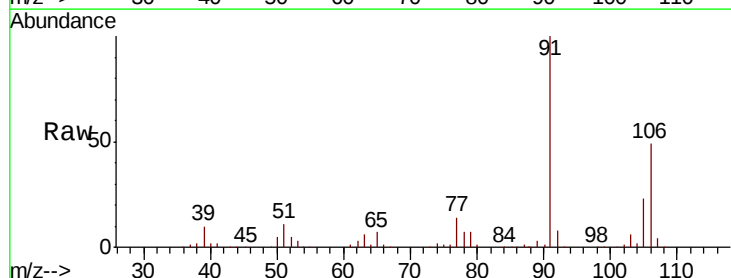
Instrument :
MSVOA_D
ClientSampleId :
VD0623SBS01

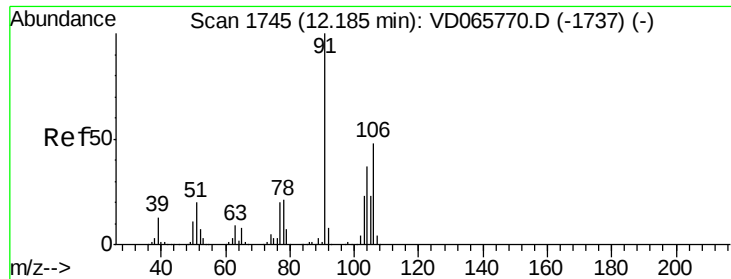
Tot Ion: 91 Resp: 215940
Ion Ratio Lower Upper
91 100
106 29.6 24.1 36.1



#68
m/p-Xylenes
Concen: 43.947 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Tgt Ion: 106 Resp: 165196
Ion Ratio Lower Upper
106 100
91 201.3 159.4 239.2

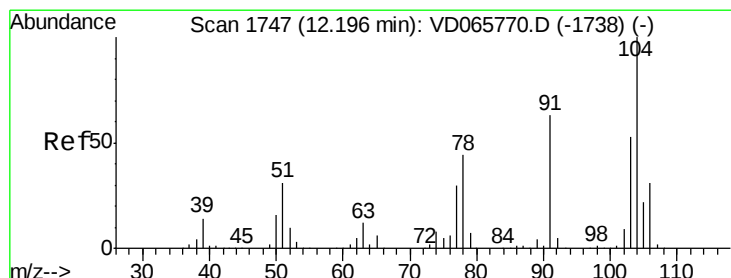
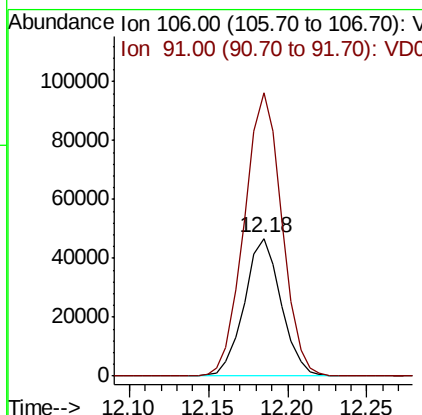
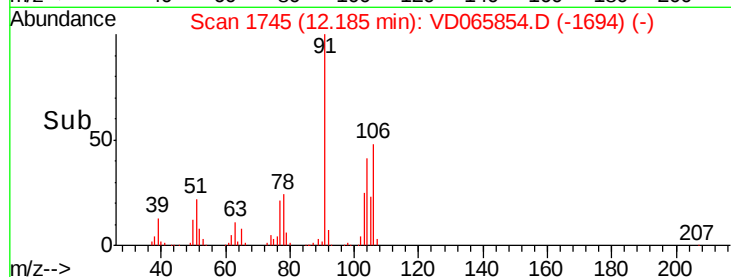
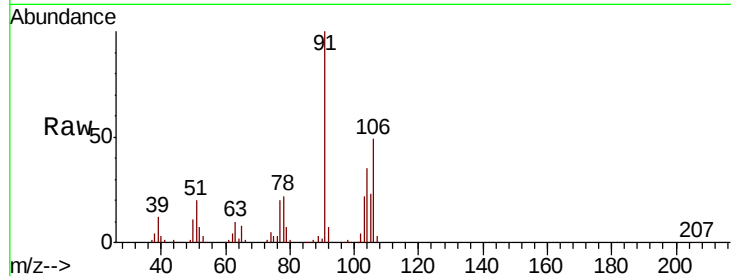




#69
o-Xylene
Concen: 22.294 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

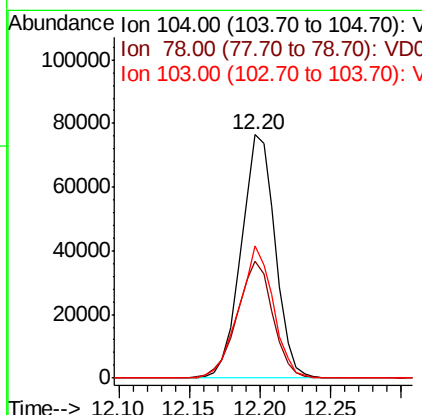
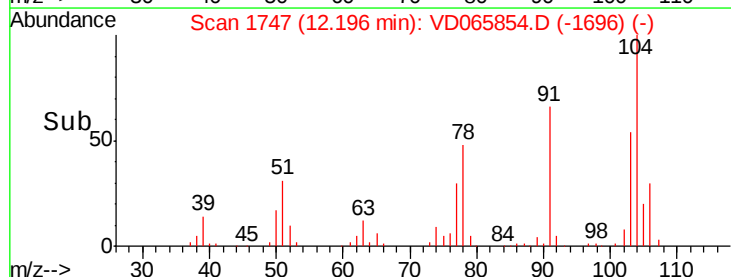
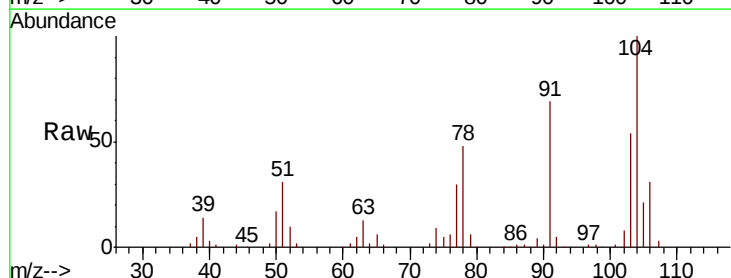
Instrument :
MSVOA_D
ClientSampleId :
VD0623SBSD01

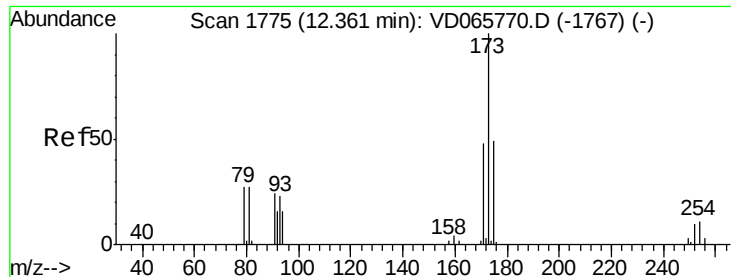
Tot Ion:106 Resp: 75559
Ion Ratio Lower Upper
106 100
91 210.8 105.3 315.8



#70
Styrene
Concen: 21.980 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Tgt Ion:104 Resp: 128958
Ion Ratio Lower Upper
104 100
78 50.5 38.6 58.0
103 55.0 43.9 65.9





#71

Bromoform

Concen: 20.840 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0623SBSD01

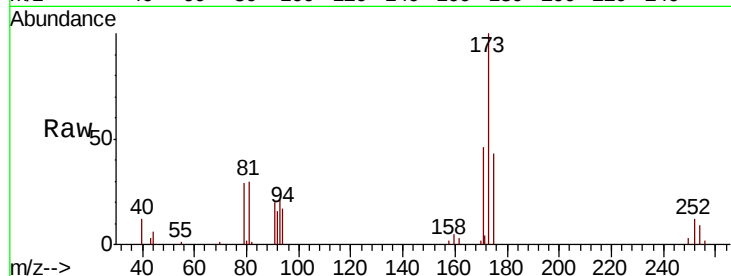
Tot Ion:173 Resp: 23368

Ion Ratio Lower Upper

173 100

175 48.8 24.8 74.4

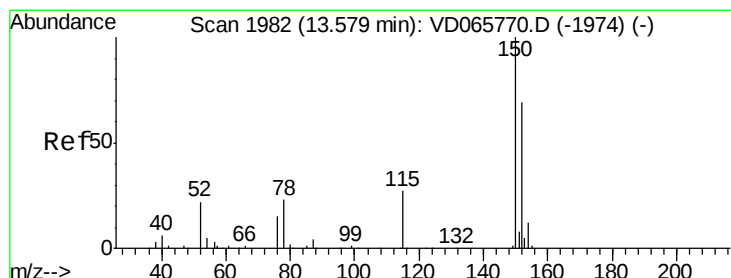
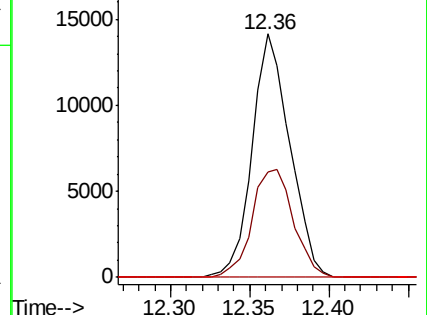
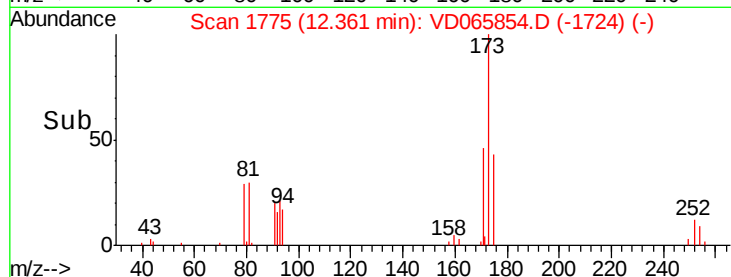
254 0.0 0.0 0.0



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: VD065854.D

Acq: 23 Jun 2020 12:31

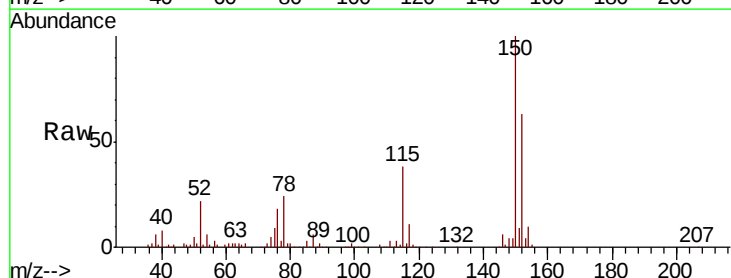
Tgt Ion:152 Resp: 140981

Ion Ratio Lower Upper

152 100

115 59.6 28.7 86.1

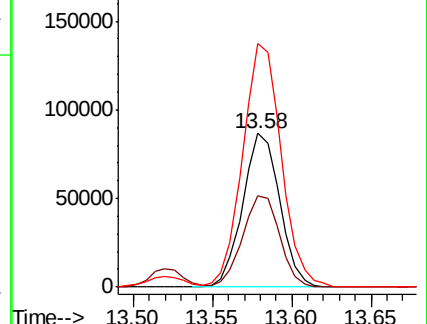
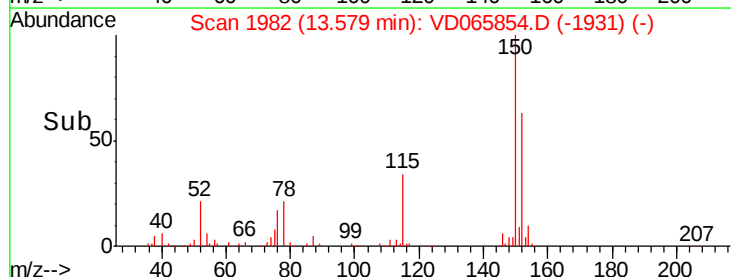
150 165.0 0.0 348.0

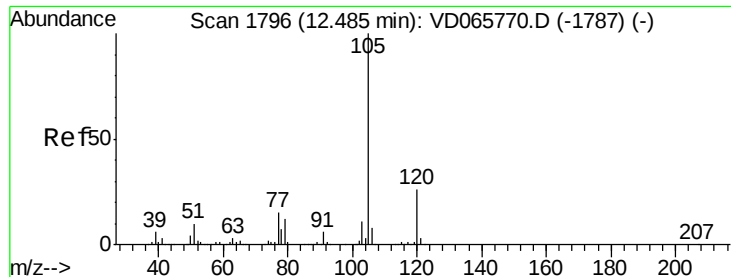


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.906 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

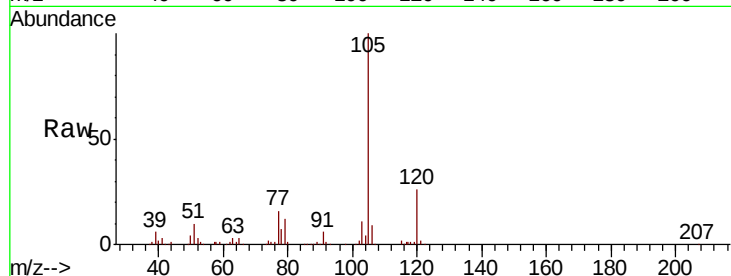
VD0623SBS01

Tot Ion:105 Resp: 207059

Ion Ratio Lower Upper

105 100

120 26.0 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

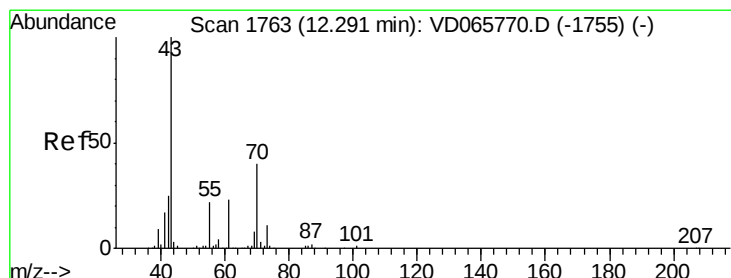
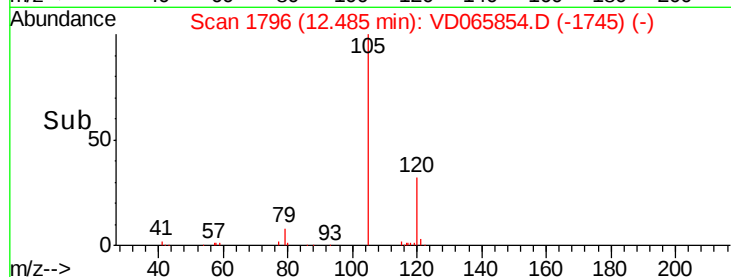
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 21.161 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

Tgt Ion: 43 Resp: 44499

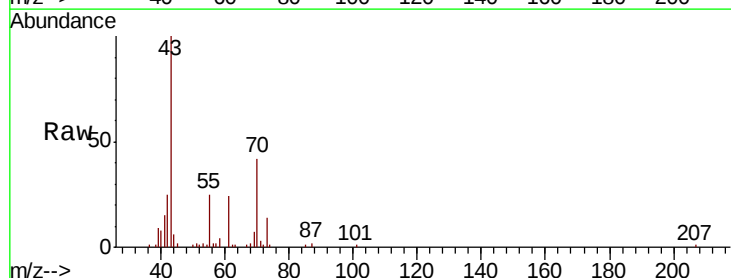
Ion Ratio Lower Upper

43 100

70 40.7 32.3 48.5

55 24.7 19.0 28.4

61 22.2 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

40000

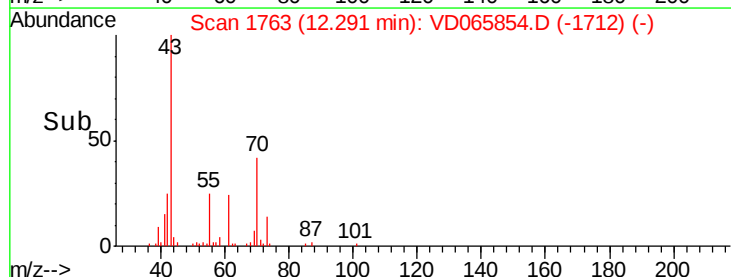
30000

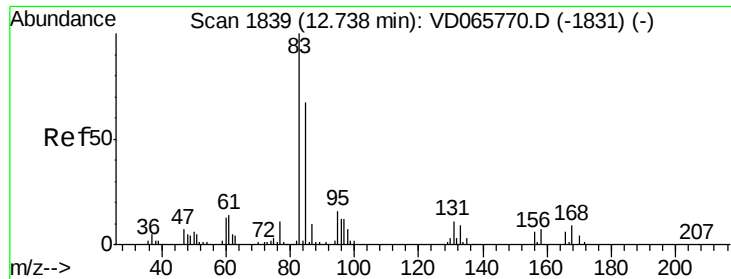
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.686 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0623SBSD01

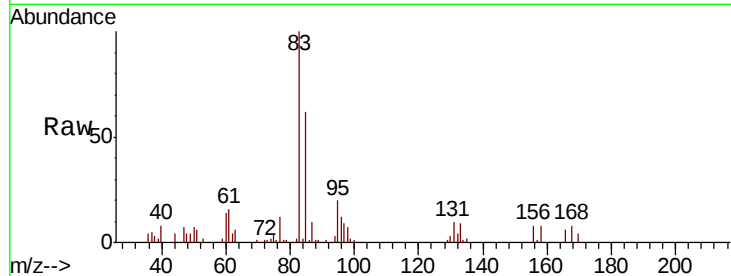
Tot Ion: 83 Resp: 34618

Ion Ratio Lower Upper

83 100

131 9.8 5.5 16.4

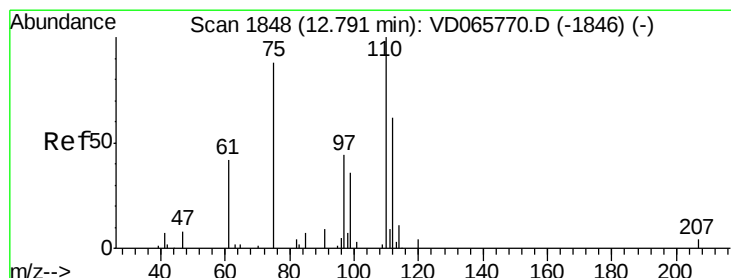
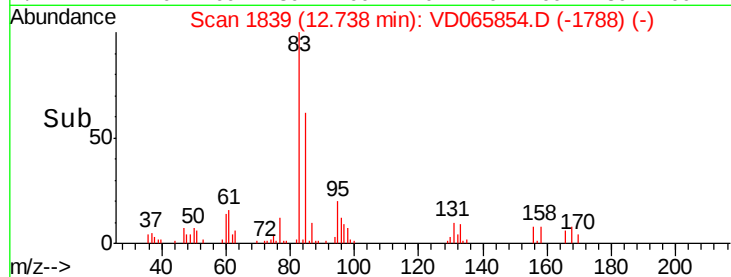
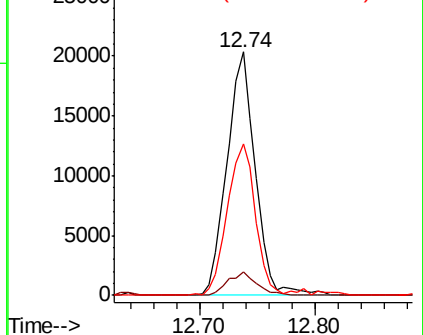
85 61.5 32.5 97.5



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: 41.109 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD065854.D

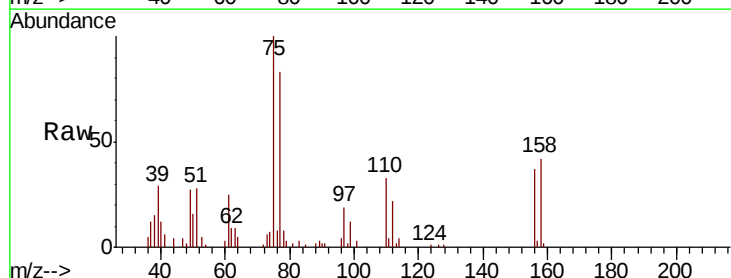
Acq: 23 Jun 2020 12:31

Tgt Ion: 75 Resp: 45073

Ion Ratio Lower Upper

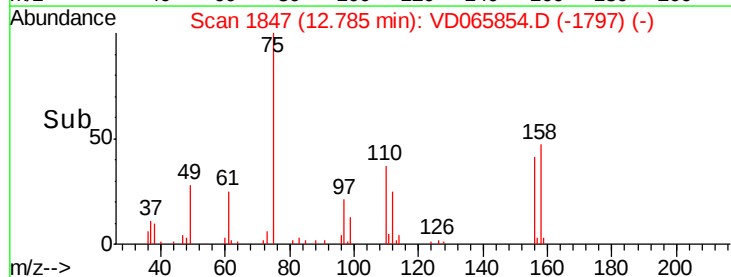
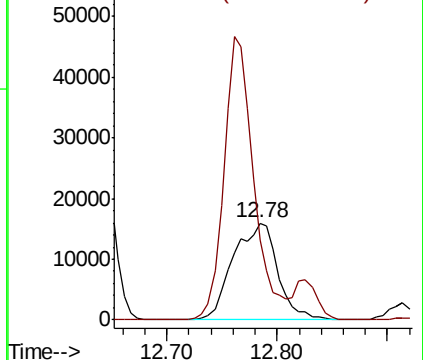
75 100

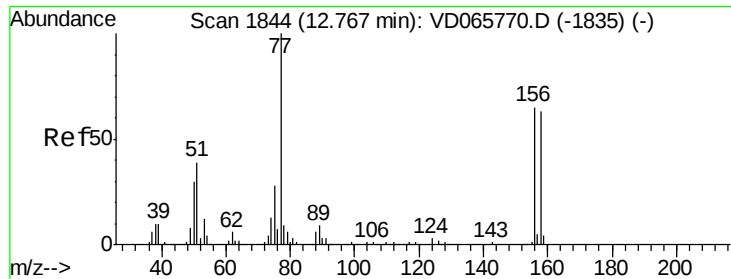
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

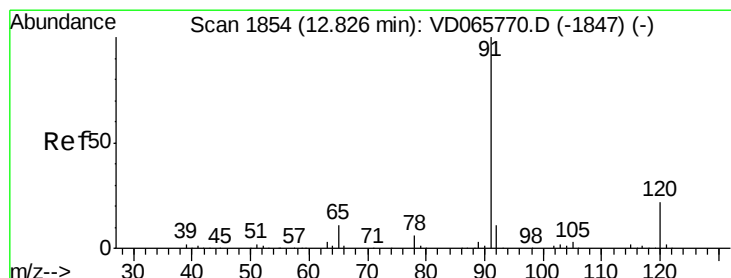
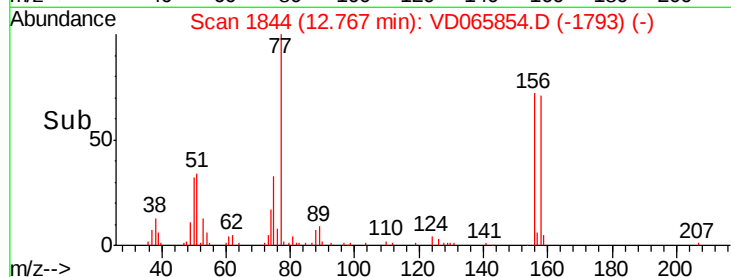
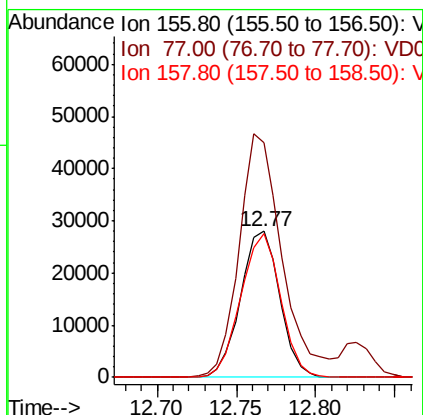
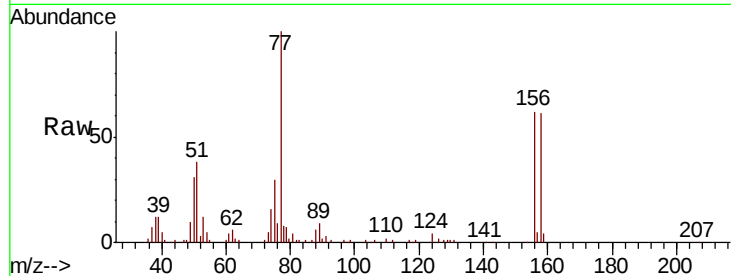




#77
Bromobenzene
Concen: 21.523 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. -0.00 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

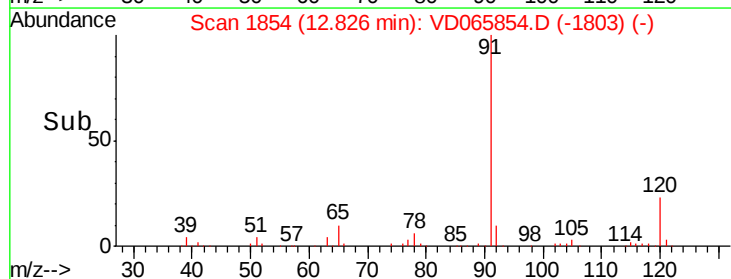
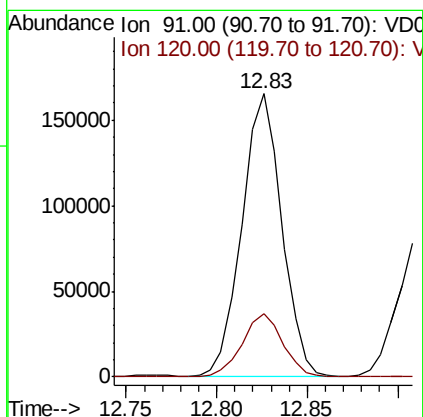
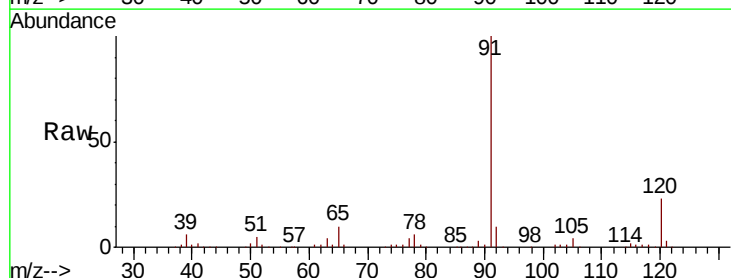
Instrument :
MSVOA_D
ClientSampleId :
VD0623SBSD01

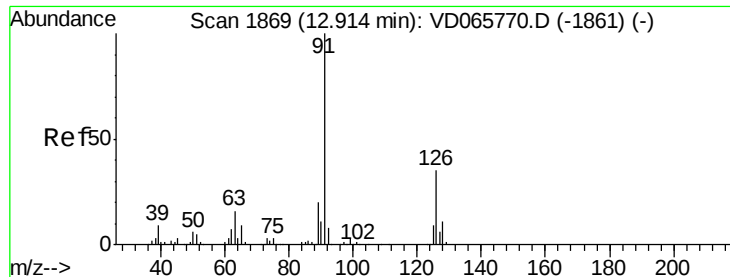
Tot Ion:156 Resp: 48135
Ion Ratio Lower Upper
156 100
77 182.2 87.3 261.8
158 99.7 48.0 144.0



#78
n-propylbenzene
Concen: 22.178 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Tgt Ion: 91 Resp: 252338
Ion Ratio Lower Upper
91 100
120 22.8 11.3 33.8

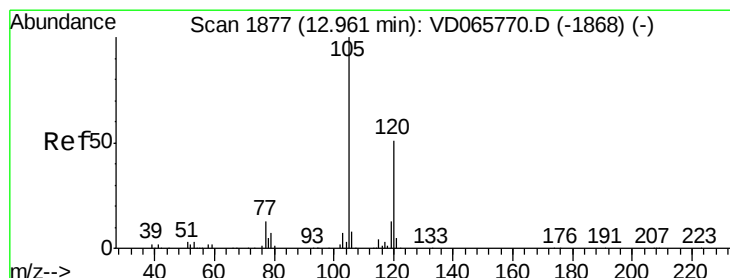
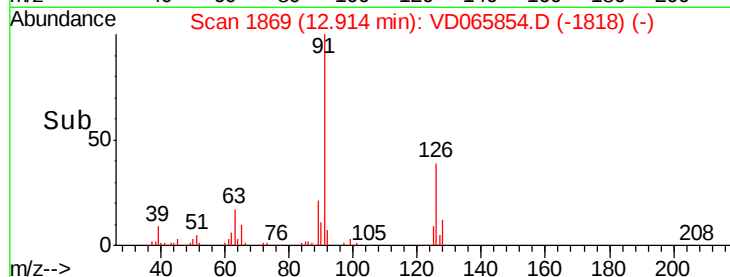
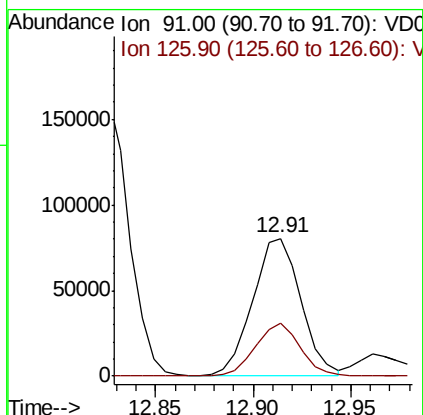
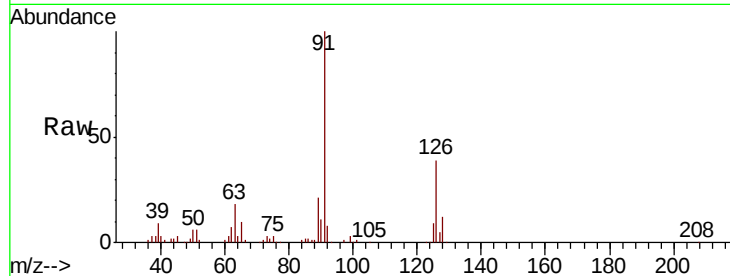




#79
 2-Chlorotoluene
 Concen: 21.947 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD065854.D
 Acq: 23 Jun 2020 12:31

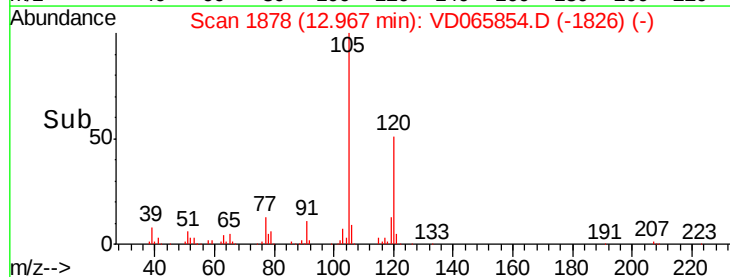
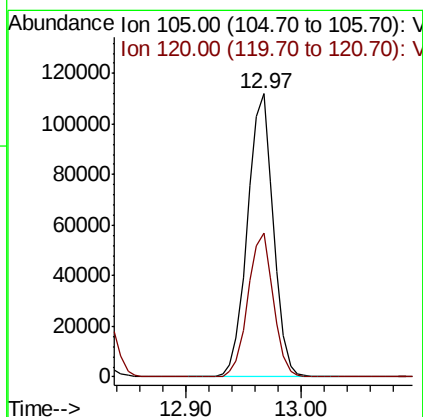
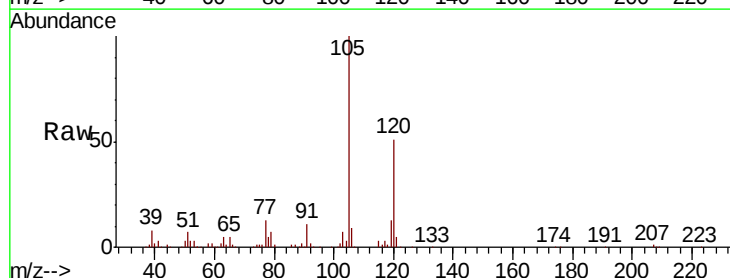
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0623SBS01

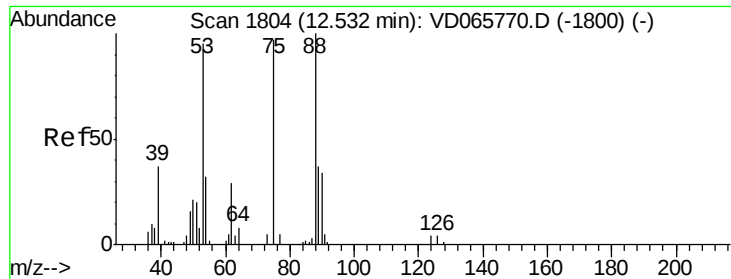
Tot Ion: 91 Resp: 136985
 Ion Ratio Lower Upper
 91 100
 126 36.0 17.5 52.6



#80
 1,3,5-Trimethylbenzene
 Concen: 22.154 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.01 min
 Lab File: VD065854.D
 Acq: 23 Jun 2020 12:31

Tgt Ion: 105 Resp: 174264
 Ion Ratio Lower Upper
 105 100
 120 49.9 25.4 76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 21.103 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0623SBSD01

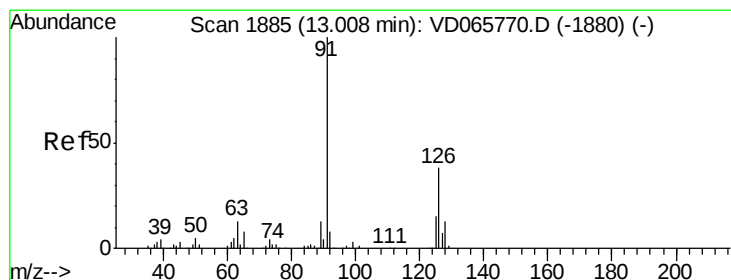
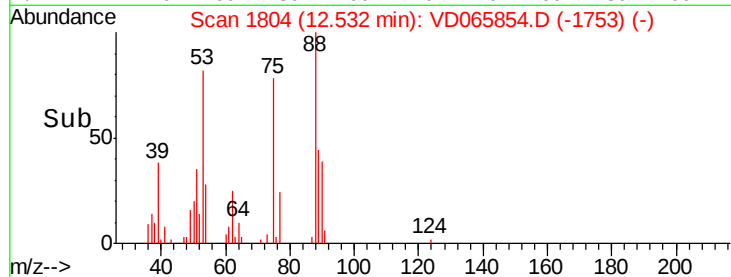
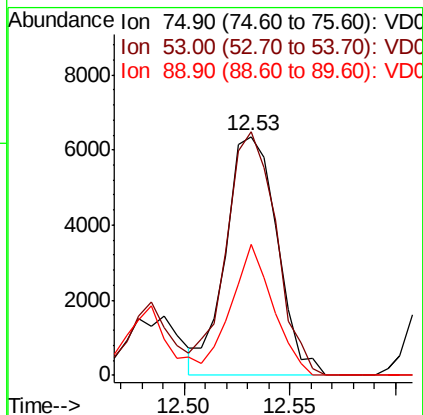
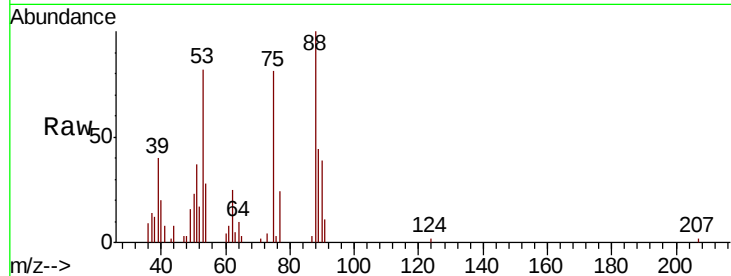
Tot Ion: 75 Resp: 10709

Ion Ratio Lower Upper

75 100

53 99.5 82.6 123.8

89 44.7 35.9 53.9



#82

4-Chlorotoluene

Concen: 22.066 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD065854.D

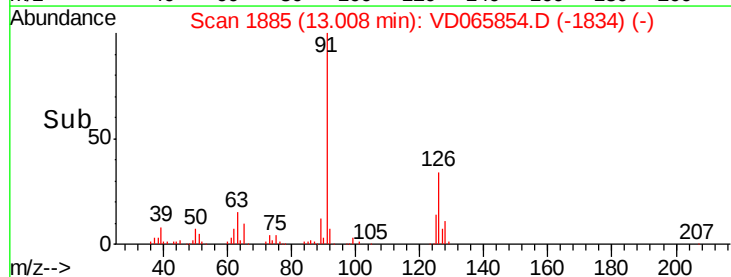
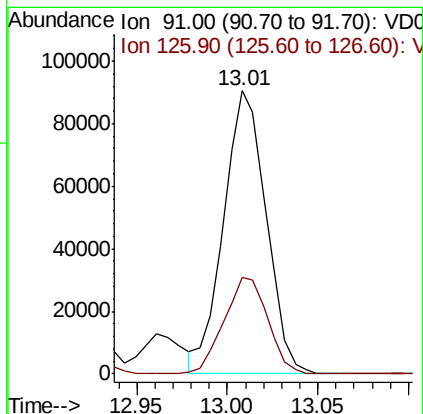
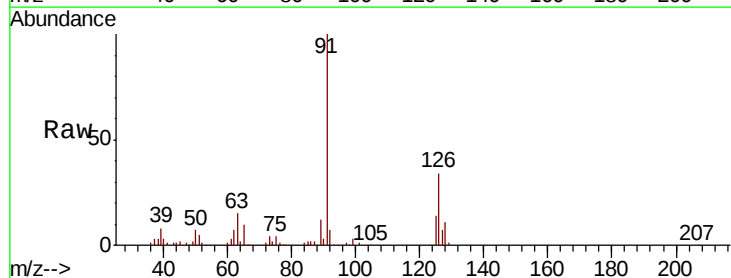
Acq: 23 Jun 2020 12:31

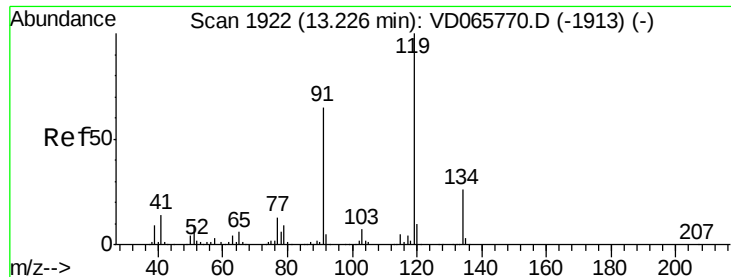
Tgt Ion: 91 Resp: 147835

Ion Ratio Lower Upper

91 100

126 35.2 17.6 52.8

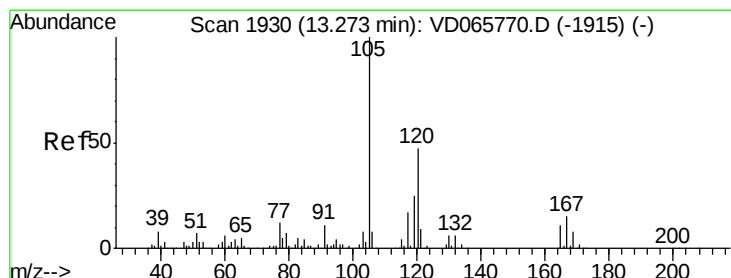
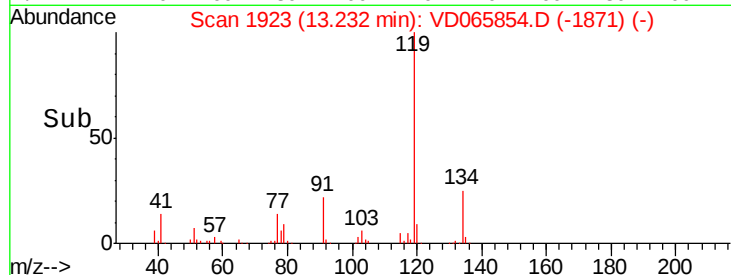
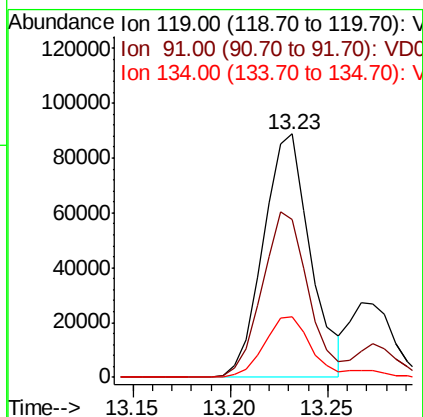
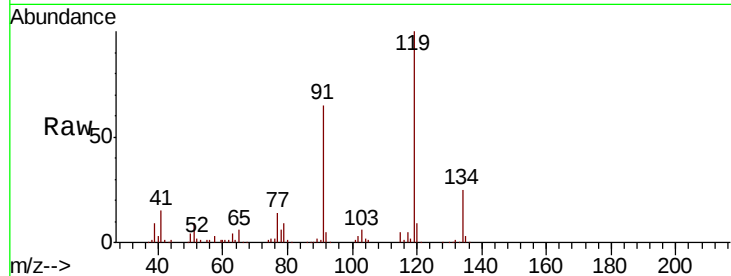




#83
tert-Butylbenzene
Concen: 21.767 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

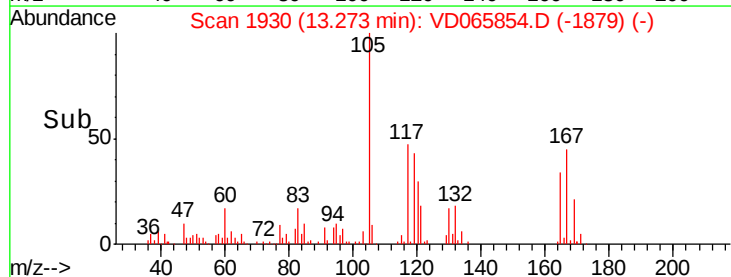
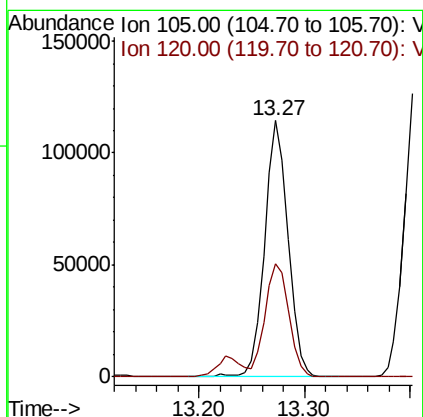
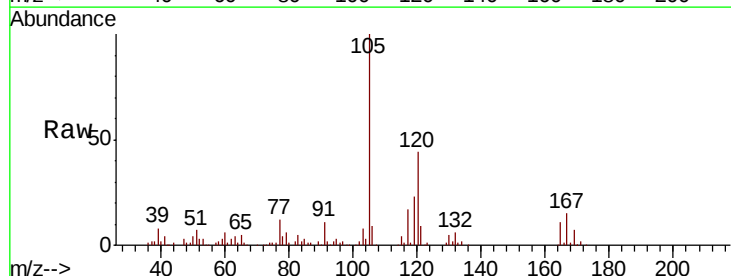
Instrument :
MSVOA_D
ClientSampleId :
VD0623SBSD01

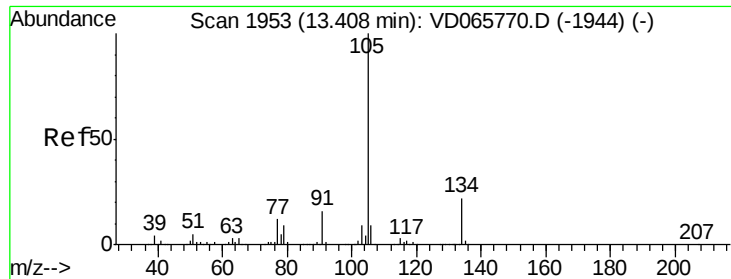
Tot Ion:119 Resp: 148564
Ion Ratio Lower Upper
119 100
91 66.3 32.0 96.0
134 26.7 13.8 41.4



#84
1,2,4-Trimethylbenzene
Concen: 22.333 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Tgt Ion:105 Resp: 175828
Ion Ratio Lower Upper
105 100
120 44.9 23.3 69.8





#85

sec-Butylbenzene

Concen: 22.417 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

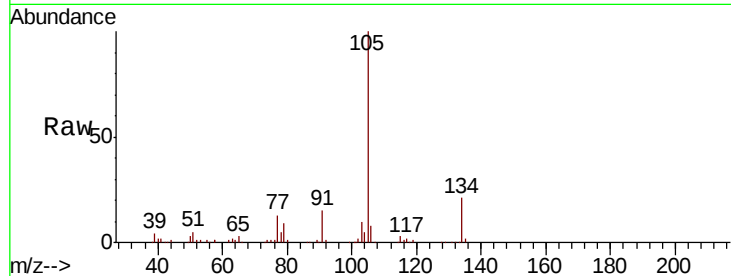
VD0623SBS01

Tot Ion:105 Resp: 212926

Ion Ratio Lower Upper

105 100

134 20.3 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

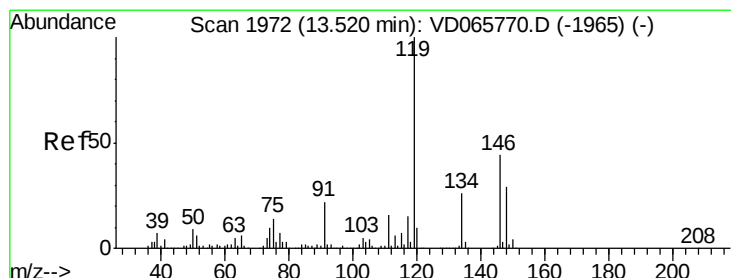
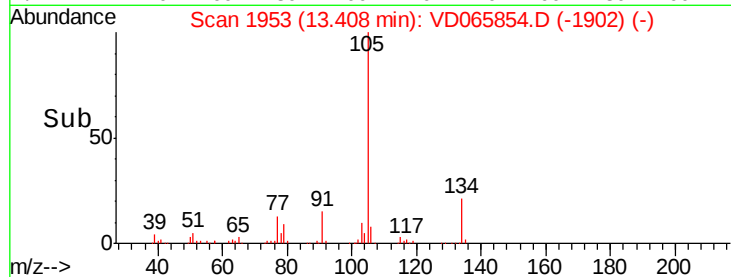
100000

50000

0

Time-->

13.35 13.40 13.45



#86

p-Isopropyltoluene

Concen: 22.268 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

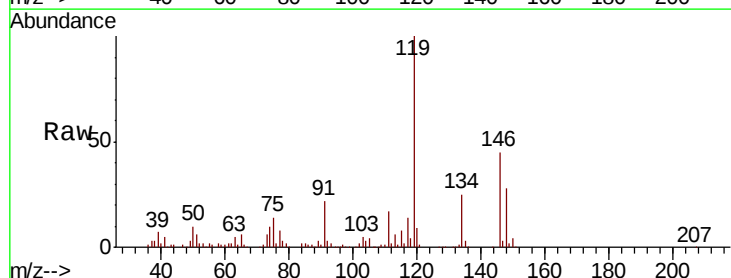
Tgt Ion:119 Resp: 193858

Ion Ratio Lower Upper

119 100

134 26.1 13.3 39.9

91 22.6 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

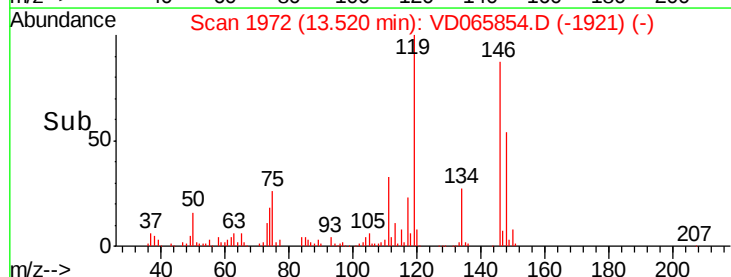
100000

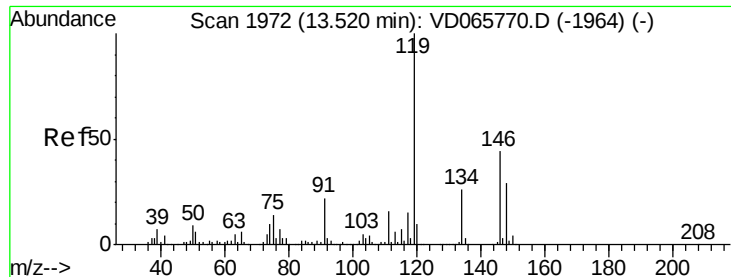
50000

0

Time-->

13.40 13.50 13.60





#87

1,3-Dichlorobenzene

Concen: 21.382 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0623SBSD01

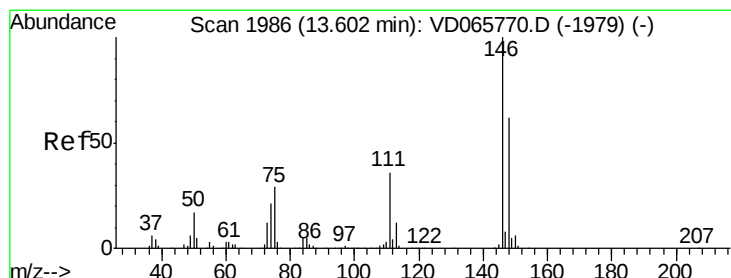
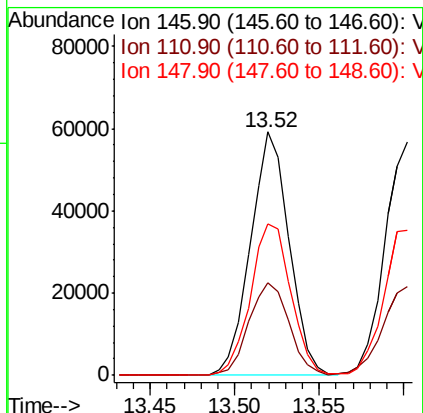
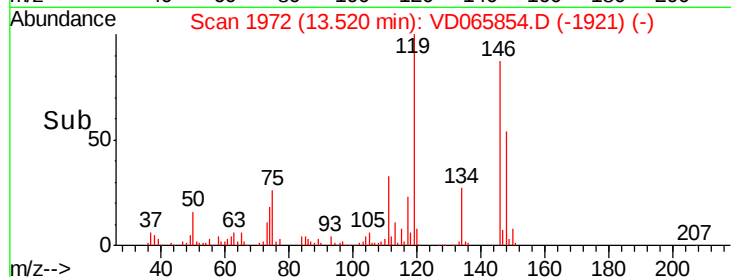
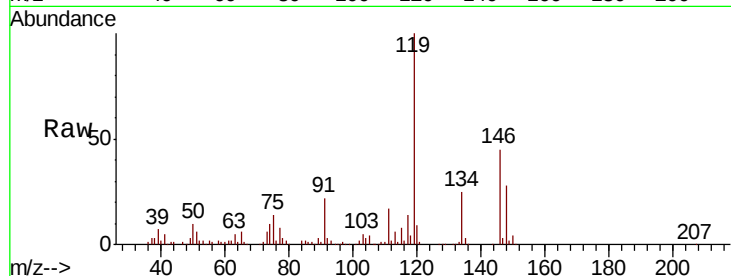
Tot Ion:146 Resp: 94285

Ion Ratio Lower Upper

146 100

111 39.4 19.2 57.6

148 64.9 32.1 96.3



#88

1,4-Dichlorobenzene

Concen: 21.299 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

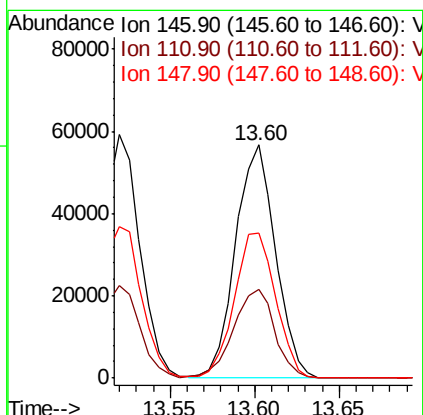
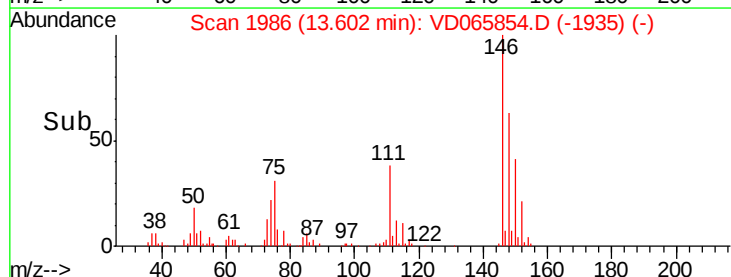
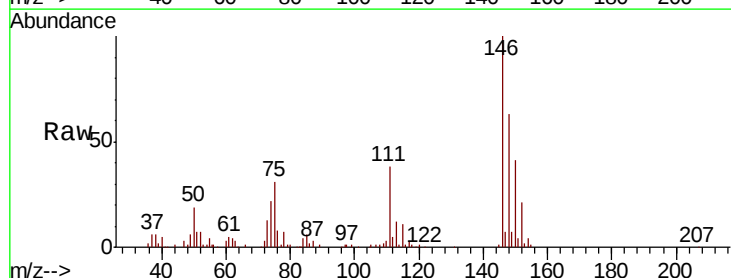
Tgt Ion:146 Resp: 93425

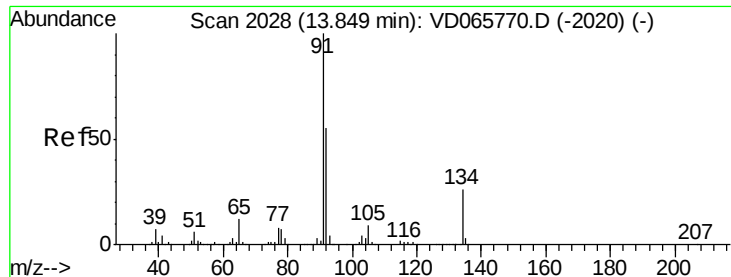
Ion Ratio Lower Upper

146 100

111 39.6 18.9 56.7

148 64.7 31.6 94.7

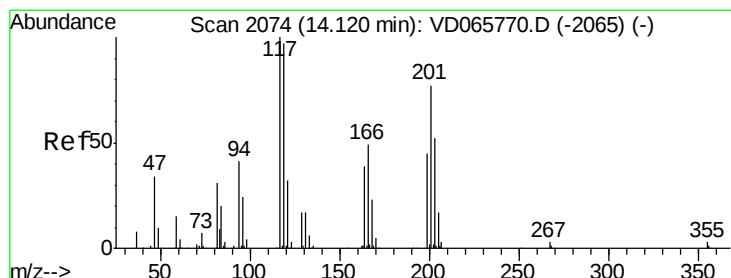
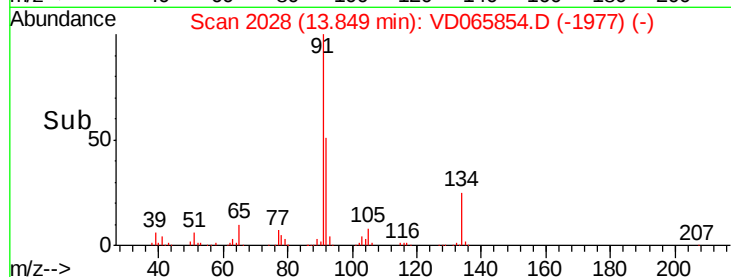
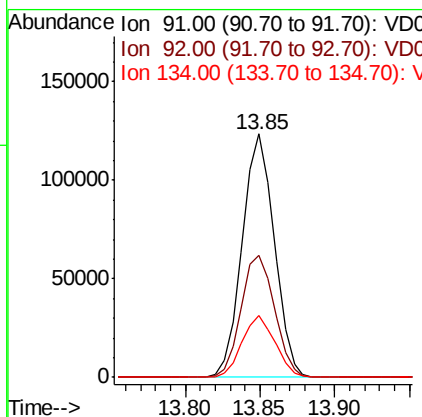
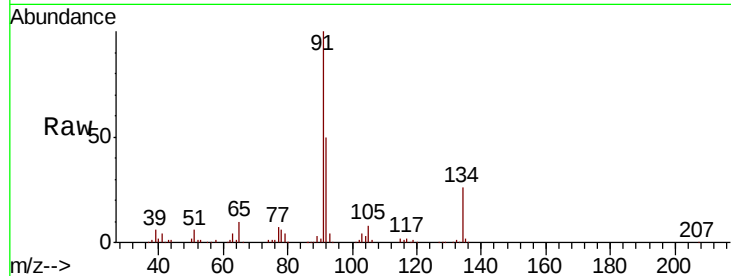




#89
n-Butylbenzene
Concen: 22.204 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

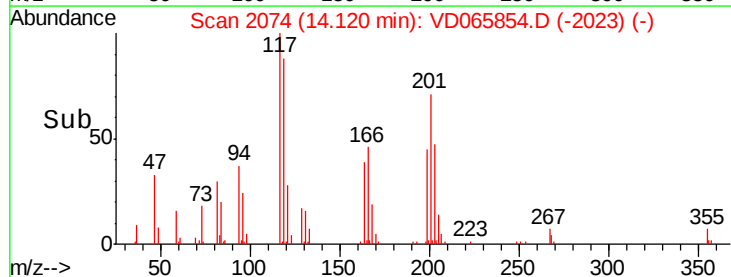
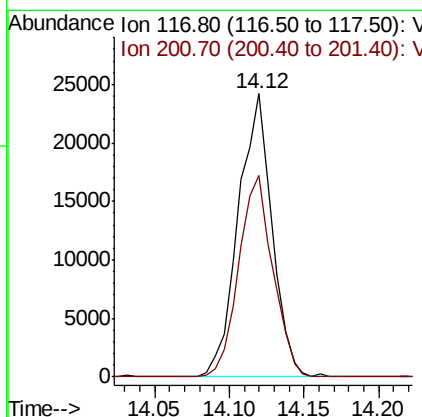
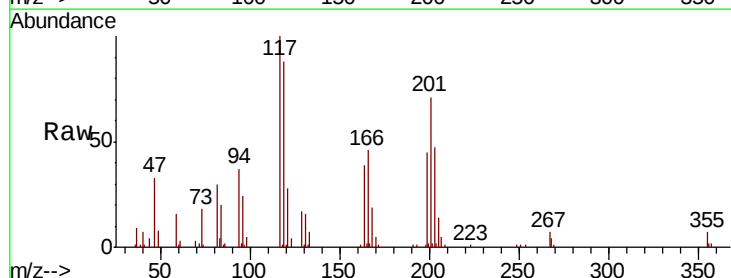
Instrument :
MSVOA_D
ClientSampleId :
VD0623SBSD01

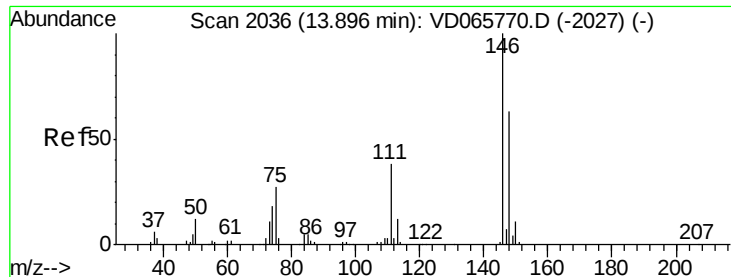
Tot Ion: 91 Resp: 184361
Ion Ratio Lower Upper
91 100
92 52.3 27.0 81.0
134 26.0 13.0 39.0



#90
Hexachloroethane
Concen: 21.770 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065854.D
Acq: 23 Jun 2020 12:31

Tgt Ion: 117 Resp: 37936
Ion Ratio Lower Upper
117 100
201 71.9 37.1 111.5





#91

1,2-Dichlorobenzene

Concen: 21.508 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0623SBS01

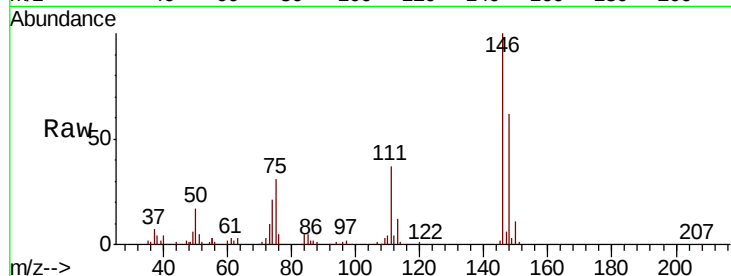
Tot Ion:146 Resp: 81623

Ion Ratio Lower Upper

146 100

111 41.5 19.8 59.4

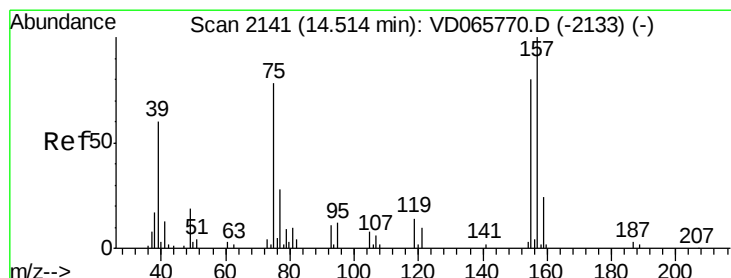
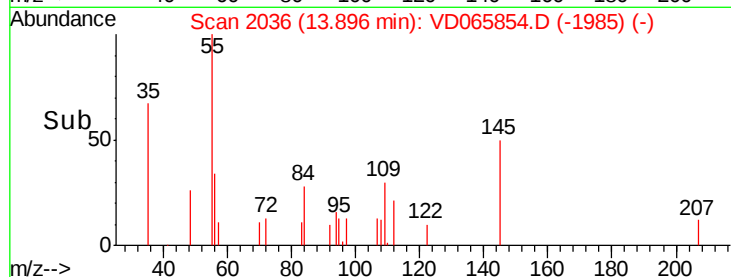
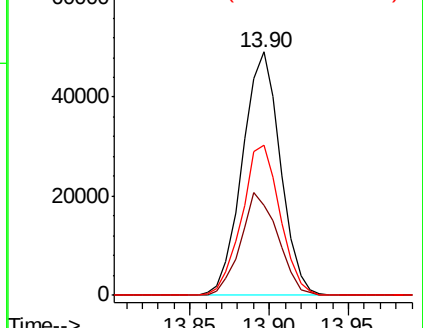
148 62.0 31.9 95.7



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 22.295 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. -0.00 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

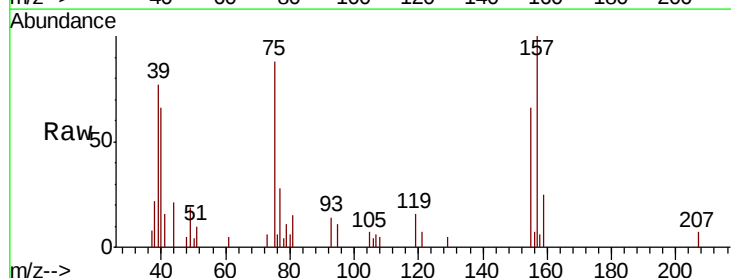
Tgt Ion: 75 Resp: 5923

Ion Ratio Lower Upper

75 100

155 75.9 46.3 138.9

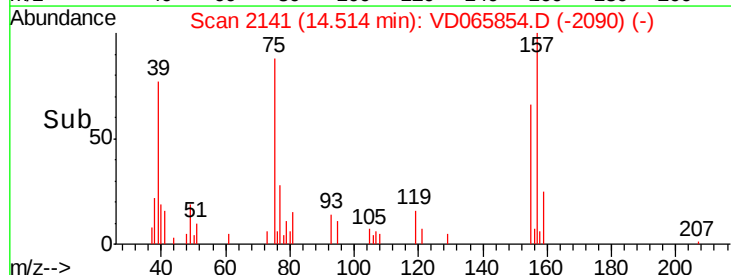
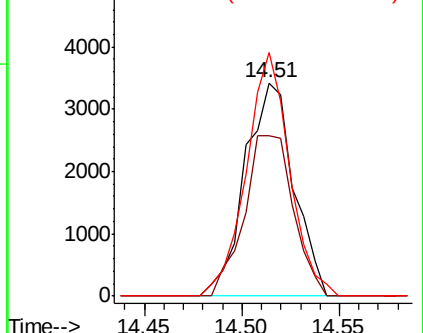
157 101.3 58.1 174.3

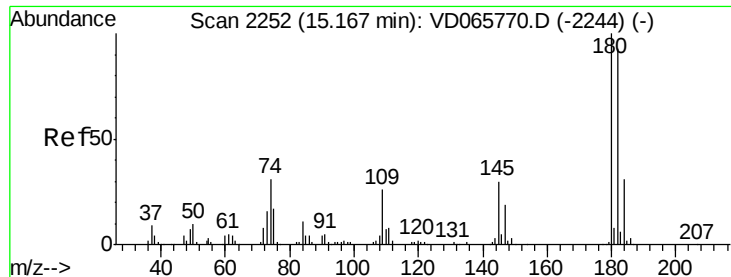


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

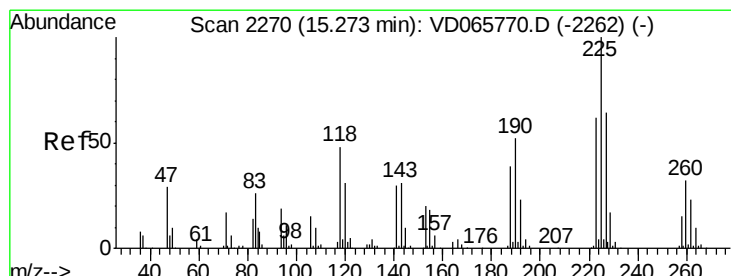
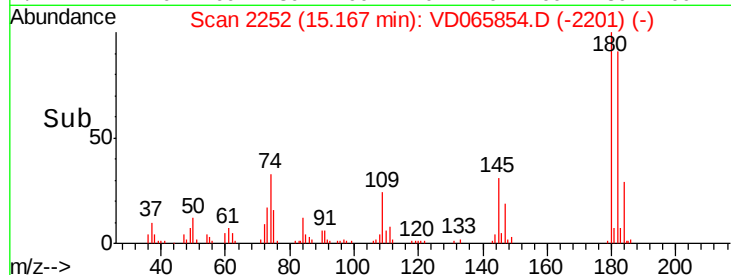
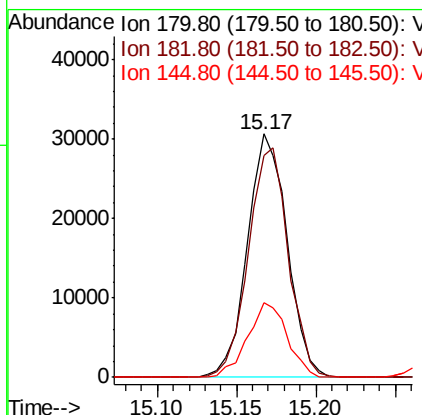
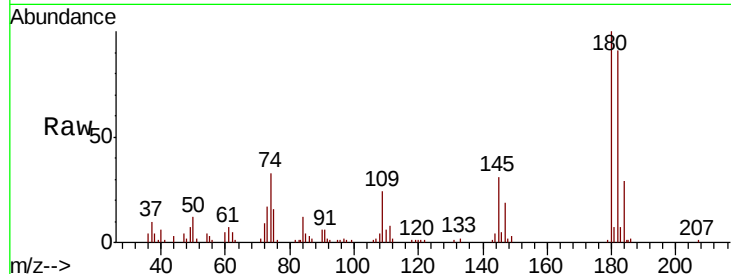




#93
 1,2,4-Trichlorobenzene
 Concen: 20.694 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD065854.D
 Acq: 23 Jun 2020 12:31

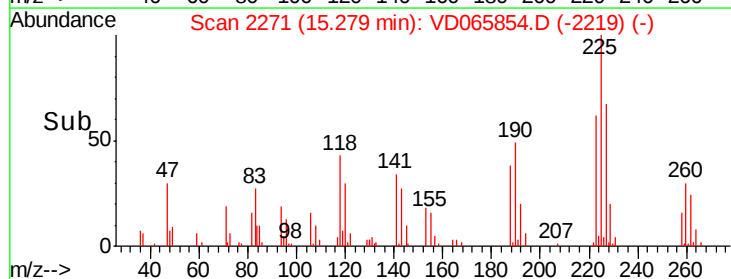
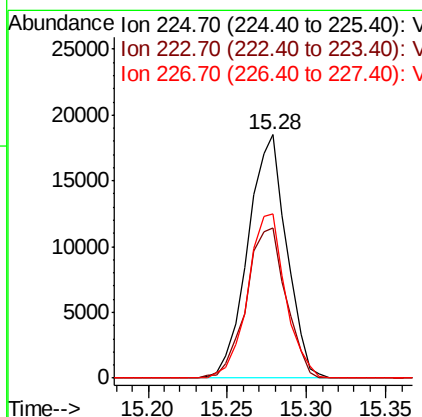
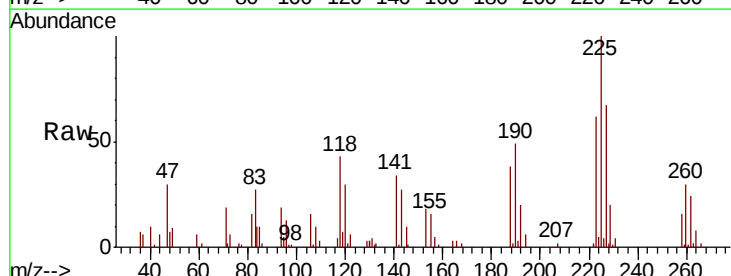
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0623SBS01

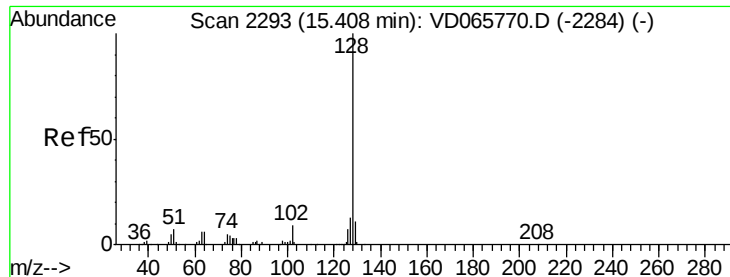
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	48.0	144.2
145	30.6	14.9	44.9



#94
 Hexachlorobutadiene
 Concen: 20.152 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD065854.D
 Acq: 23 Jun 2020 12:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	30.9	92.7
227	65.5	31.9	95.7





#95

Naphthalene

Concen: 19.276 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0623SBSD01

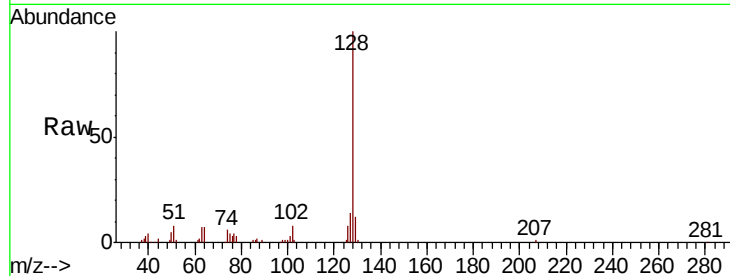
Tot Ion:128 Resp: 84252

Ion Ratio Lower Upper

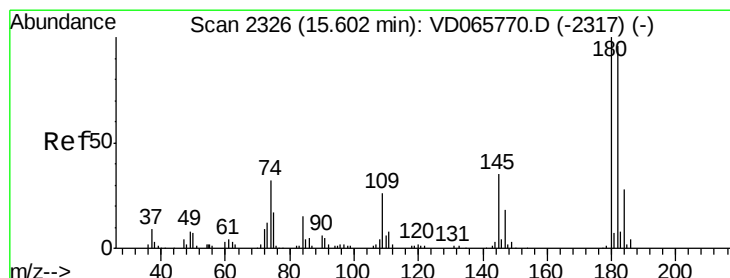
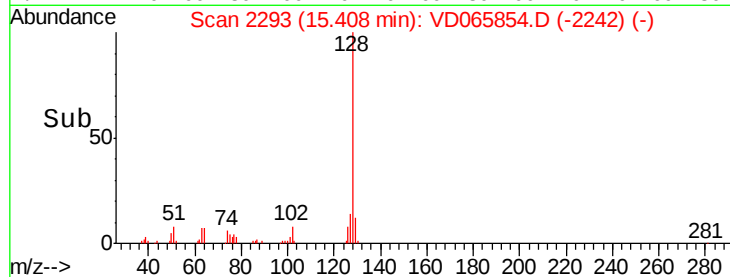
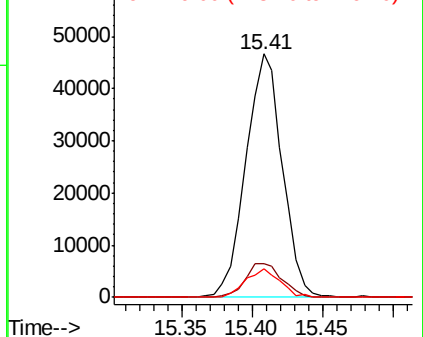
128 100

127 14.1 10.7 16.1

129 11.1 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



#96

1,2,3-Trichlorobenzene

Concen: 20.432 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VD065854.D

Acq: 23 Jun 2020 12:31

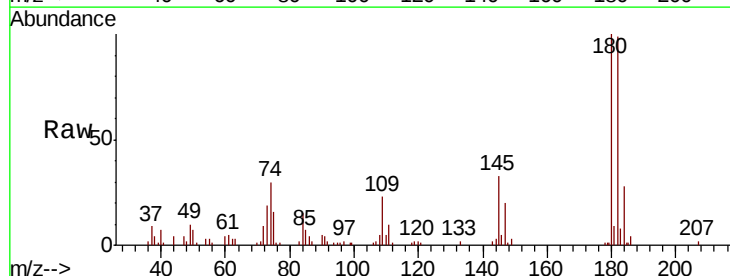
Tgt Ion:180 Resp: 45407

Ion Ratio Lower Upper

180 100

182 94.5 47.0 141.2

145 33.0 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

