

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073020\
 Data File : VD066103.D
 Acq On : 30 Jul 2020 11:18
 Operator : VA/SY
 Sample : VD0730SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

Quant Time: Jul 31 01:52:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	227449	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	318157	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	300195	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	162976	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	101530	54.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.72%	
35) Dibromofluoromethane	7.91	113	102874	53.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.62%	
50) Toluene-d8	10.34	98	389467	54.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.36%	
62) 4-Bromofluorobenzene	12.64	95	138062	55.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	39511	22.890	ug/l	98
3) Chloromethane	2.21	50	29467	20.919	ug/l	96
4) Vinyl Chloride	2.35	62	29222	21.784	ug/l	97
5) Bromomethane	2.76	94	22025	20.374	ug/l	89
6) Chloroethane	2.93	64	18691	23.342	ug/l	94
7) Trichlorofluoromethane	3.27	101	78489	24.056	ug/l	97
8) Diethyl Ether	3.70	74	17892	19.839	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.10	101	44077	22.373	ug/l	99
10) Methyl Iodide	4.29	142	40751	25.680	ug/l	94
11) Tert butyl alcohol	5.21	59	6810	35.176	ug/l #	90
12) 1,1-Dichloroethene	4.07	96	38376	20.407	ug/l	93
13) Acrolein	3.92	56	10422	66.839	ug/l	100
14) Allyl chloride	4.71	41	53921	18.343	ug/l #	85
15) Acrylonitrile	5.41	53	36493	94.713	ug/l	96
16) Acetone	4.15	43	35301	94.233	ug/l #	83
17) Carbon Disulfide	4.40	76	114720	18.806	ug/l	99
18) Methyl Acetate	4.72	43	15517	17.806	ug/l	95
19) Methyl tert-butyl Ether	5.47	73	82515	21.356	ug/l	98
20) Methylene Chloride	4.96	84	49559	22.282	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	44589	20.979	ug/l	97
22) Diisopropyl ether	6.36	45	106614	19.090	ug/l	89
23) Vinyl Acetate	6.30	43	295614	93.855	ug/l	98
24) 1,1-Dichloroethane	6.26	63	71415	21.104	ug/l	99
25) 2-Butanone	7.21	43	42740	85.982	ug/l #	89
26) 2,2-Dichloropropane	7.20	77	70348	23.118	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	46566	20.693	ug/l	99
28) Bromochloromethane	7.54	49	26918	18.742	ug/l	87
29) Tetrahydrofuran	7.56	42	26677	86.980	ug/l	91
30) Chloroform	7.71	83	79647	22.501	ug/l	95
31) Cyclohexane	7.99	56	64185	19.280	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	76702	23.426	ug/l	99
36) 1,1-Dichloropropene	8.11	75	61814	22.765	ug/l	98
37) Ethyl Acetate	7.29	43	20481	19.751	ug/l	97
38) Carbon Tetrachloride	8.09	117	74270	25.208	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073020\
 Data File : VD066103.D
 Acq On : 30 Jul 2020 11:18
 Operator : VA/SY
 Sample : VD0730SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

Quant Time: Jul 31 01:52:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	69859	21.245	ug/l	97
40) Benzene	8.35	78	161005	21.195	ug/l	96
41) Methacrylonitrile	7.53	41	13055	21.976	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	50941	24.472	ug/l	96
43) Isopropyl Acetate	8.45	43	37781	18.654	ug/l	97
44) Trichloroethene	9.11	130	52159	22.690	ug/l	87
45) 1,2-Dichloropropane	9.38	63	38162	20.742	ug/l	95
46) Dibromomethane	9.47	93	22278	22.493	ug/l	99
47) Bromodichloromethane	9.66	83	59104	22.569	ug/l	95
48) Methyl methacrylate	9.46	41	18946	18.545	ug/l #	89
49) 1,4-Dioxane	9.46	88	4635	403.933	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	95831	93.906	ug/l	97
52) Toluene	10.40	92	112822	22.774	ug/l	95
53) t-1,3-Dichloropropene	10.62	75	55937	22.927	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	65702	22.216	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	30555	21.752	ug/l	95
56) Ethyl methacrylate	10.66	69	34742	21.273	ug/l	97
57) 1,3-Dichloropropane	10.95	76	50711	21.808	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	86014	110.251	ug/l	95
59) 2-Hexanone	10.98	43	68551	96.934	ug/l	98
60) Dibromochloromethane	11.14	129	44407	23.447	ug/l	99
61) 1,2-Dibromoethane	11.24	107	30560	22.564	ug/l	97
64) Tetrachloroethene	10.87	164	47631	23.377	ug/l	91
65) Chlorobenzene	11.67	112	123843	22.532	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	48645	23.969	ug/l	99
67) Ethyl Benzene	11.75	91	217191	22.962	ug/l	99
68) m/p-Xylenes	11.86	106	171290	47.115	ug/l	99
69) o-Xylene	12.18	106	74904	22.652	ug/l	94
70) Styrene	12.20	104	135396	23.831	ug/l	99
71) Bromoform	12.36	173	27048	22.752	ug/l #	99
73) Isopropylbenzene	12.48	105	216847	21.989	ug/l	99
74) N-amyl acetate	12.29	43	38384	18.772	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	30199	18.530	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	43102	35.124	ug/l #	100
77) Bromobenzene	12.77	156	55197	21.901	ug/l	95
78) n-propylbenzene	12.83	91	249468	21.800	ug/l	98
79) 2-Chlorotoluene	12.91	91	143425	21.938	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	188548	23.271	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	10573	19.771	ug/l	97
82) 4-Chlorotoluene	13.01	91	152989	22.170	ug/l	99
83) tert-Butylbenzene	13.23	119	158381	22.339	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	182445	22.825	ug/l	99
85) sec-Butylbenzene	13.41	105	219005	22.426	ug/l	99
86) p-Isopropyltoluene	13.53	119	207365	23.373	ug/l	97
87) 1,3-Dichlorobenzene	13.53	146	107046	22.877	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	105194	22.238	ug/l	99
89) n-Butylbenzene	13.85	91	186261	22.579	ug/l	97
90) Hexachloroethane	14.12	117	40841	22.237	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	91827	22.647	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5613	21.014	ug/l	91

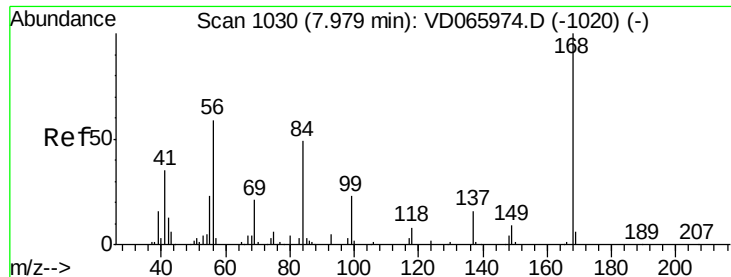
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD073020\
Data File : VD066103.D
Acq On : 30 Jul 2020 11:18
Operator : VA/SY
Sample : VD0730SBS01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

Quant Time: Jul 31 01:52:00 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 21 12:34:13 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	66148	22.728	ug/l	98
94) Hexachlorobutadiene	15.28	225	42605	23.678	ug/l	99
95) Naphthalene	15.41	128	95413	20.674	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	56364	22.277	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066103.D

Acq: 30 Jul 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

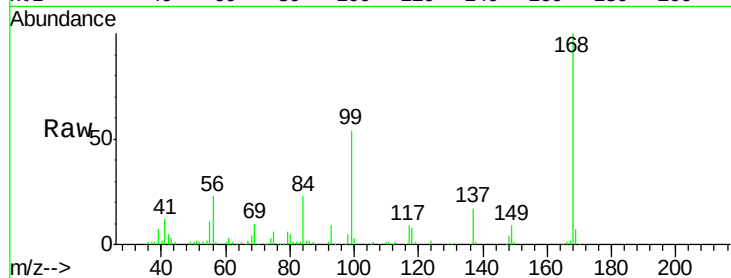
VD0730SBS01

Tot Ion:168 Resp: 227449

Ion Ratio Lower Upper

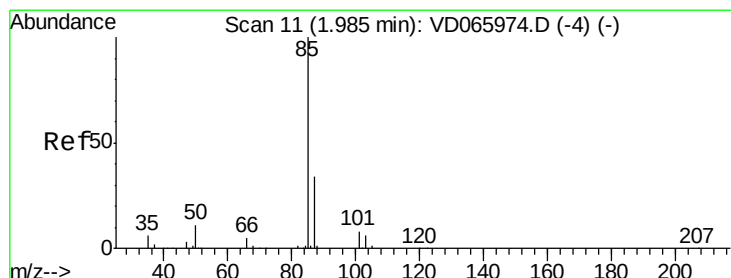
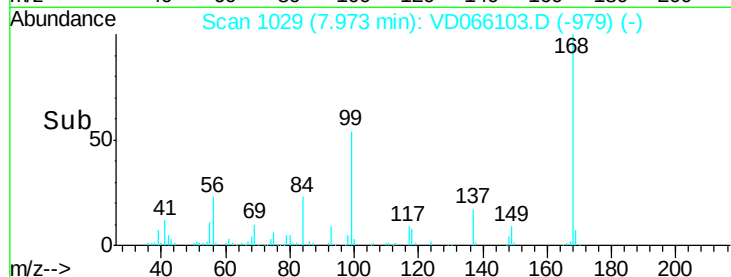
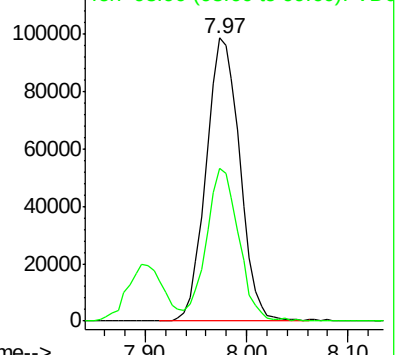
168 100

99 53.6 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 22.890 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066103.D

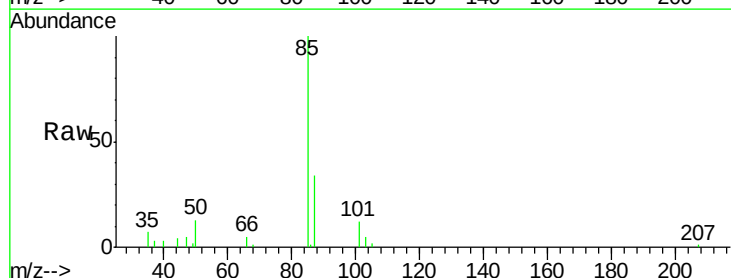
Acq: 30 Jul 2020 11:18

Tgt Ion: 85 Resp: 39511

Ion Ratio Lower Upper

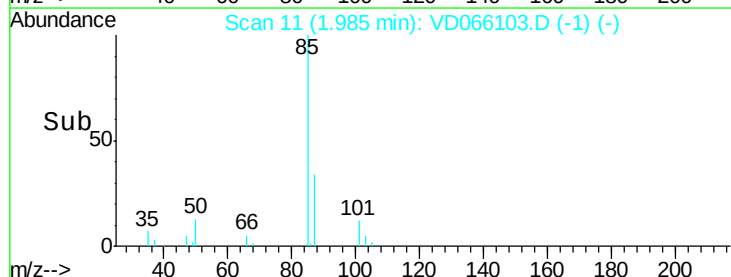
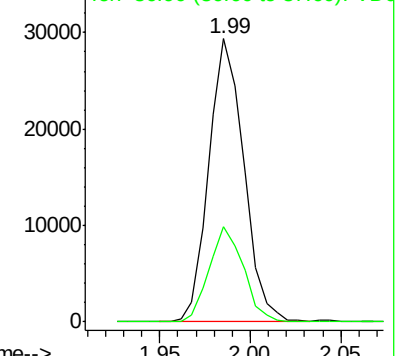
85 100

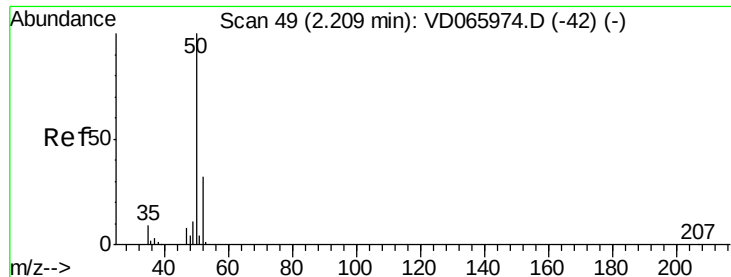
87 33.6 17.3 51.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.919 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD066103.D

Acq: 30 Jul 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

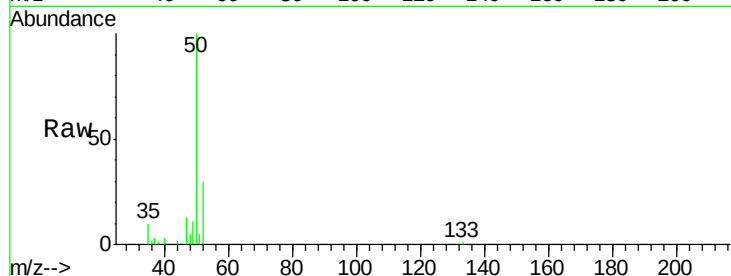
VD0730SBS01

Tot Ion: 50 Resp: 29467

Ion Ratio Lower Upper

50 100

52 30.1 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

25000

20000

15000

10000

5000

0

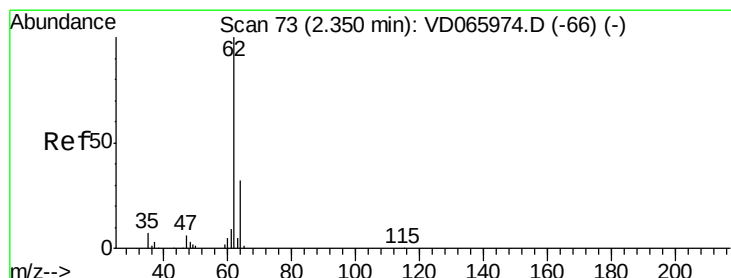
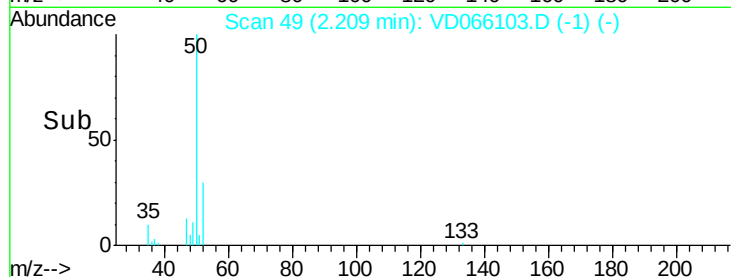
Time-->

2.15

2.20

2.25

2.30



#4

Vinyl Chloride

Concen: 21.784 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066103.D

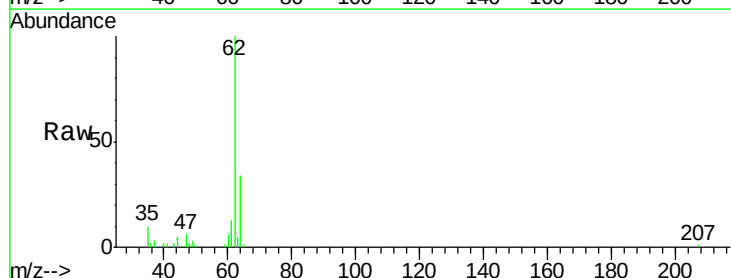
Acq: 30 Jul 2020 11:18

Tgt Ion: 62 Resp: 29222

Ion Ratio Lower Upper

62 100

64 33.7 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

20000

15000

10000

5000

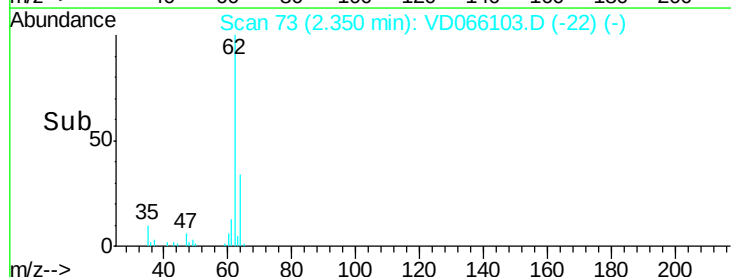
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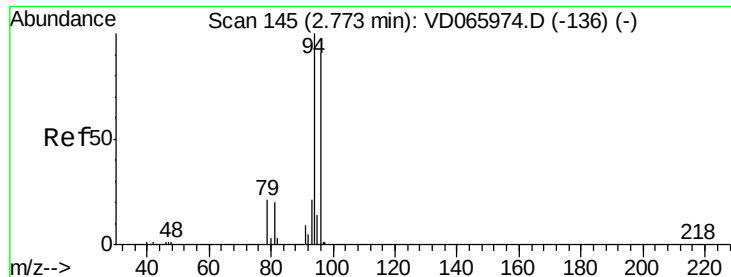
Time-->

2.30

2.35

2.40





#5

Bromomethane

Concen: 20.374 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD066103.D

Acq: 30 Jul 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

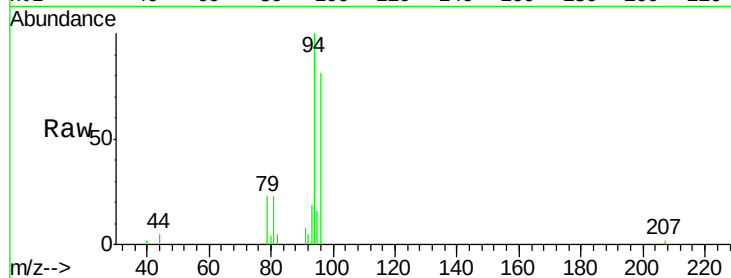
VD0730SBS01

Tot Ion: 94 Resp: 22025

Ion Ratio Lower Upper

94 100

96 80.8 73.0 109.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

12000

10000

8000

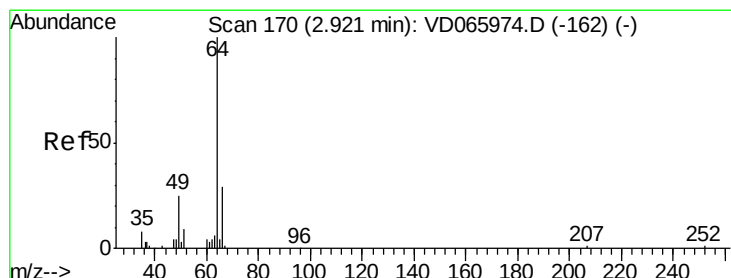
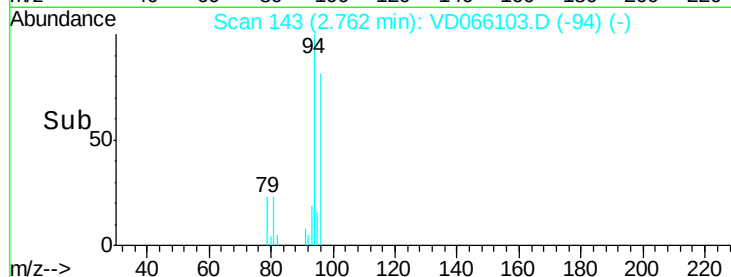
6000

4000

2000

0

Time-->



#6

Chloroethane

Concen: 23.342 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD066103.D

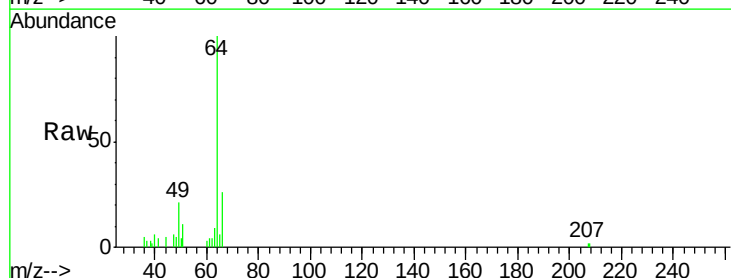
Acq: 30 Jul 2020 11:18

Tgt Ion: 64 Resp: 18691

Ion Ratio Lower Upper

64 100

66 25.8 23.4 35.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

10000

8000

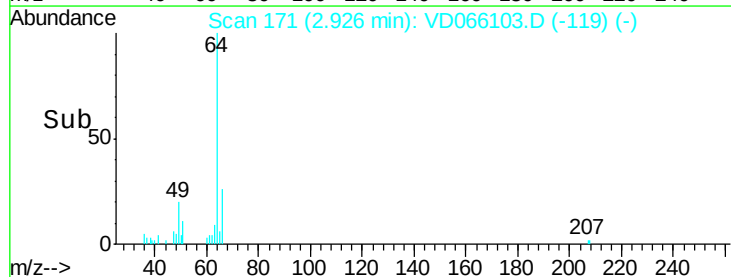
6000

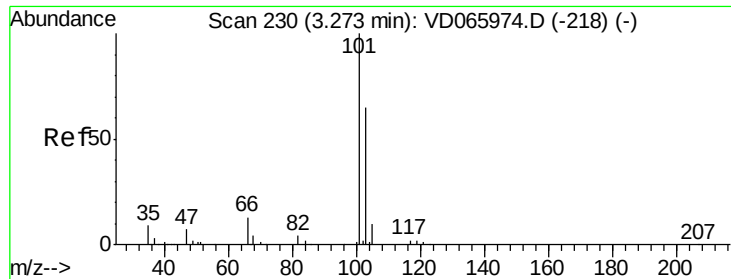
4000

2000

0

Time-->



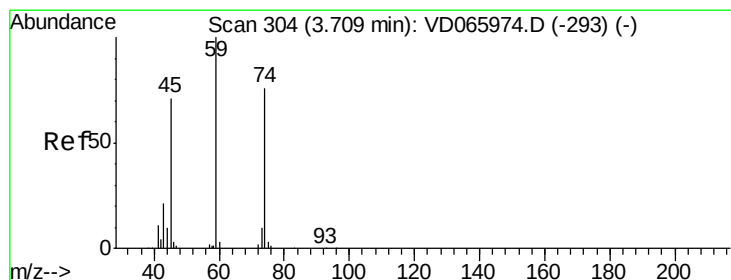
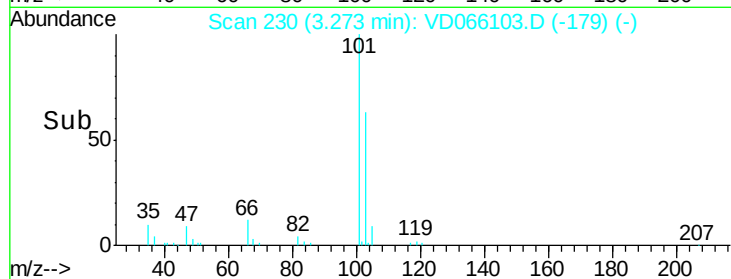
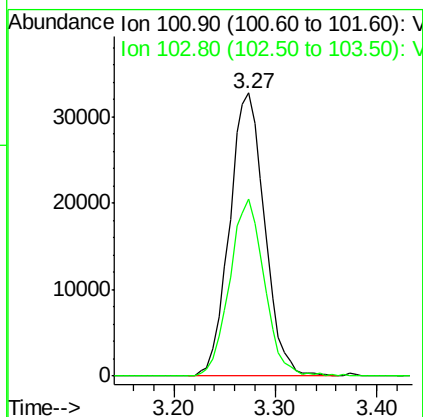
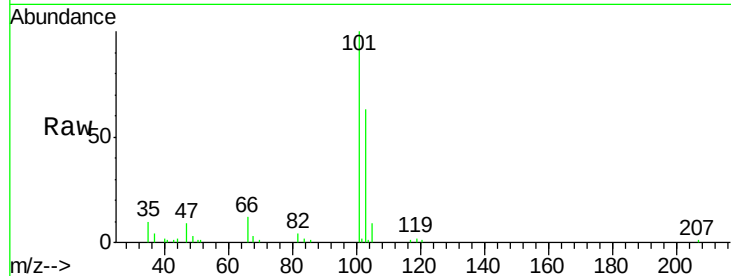


#7

Trichlorofluoromethane
Concen: 24.056 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

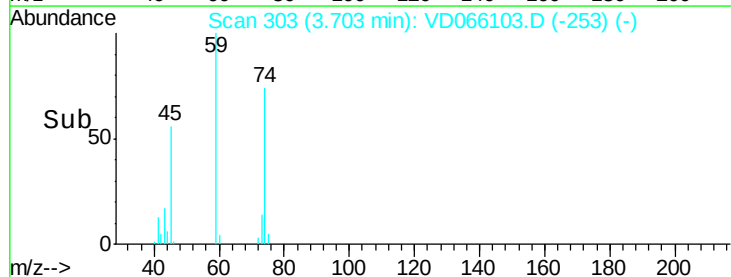
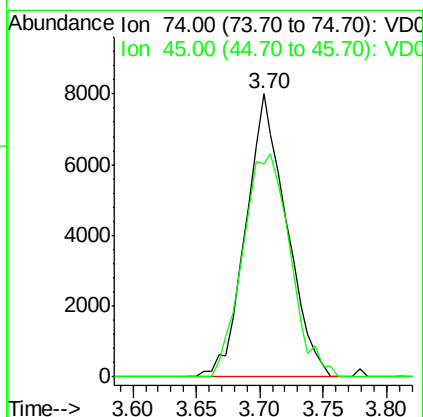
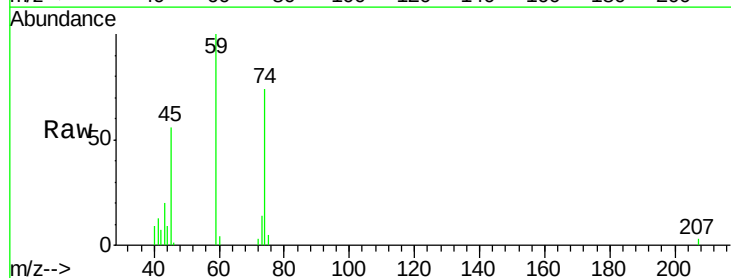
Tot Ion:101 Resp: 78489
Ion Ratio Lower Upper
101 100
103 62.8 52.1 78.1

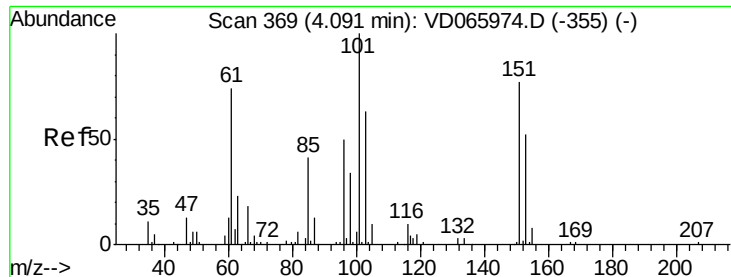


#8

Diethyl Ether
Concen: 19.839 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

Tgt Ion: 74 Resp: 17892
Ion Ratio Lower Upper
74 100
45 91.6 49.9 149.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.373 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD066103.D

Acq: 30 Jul 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

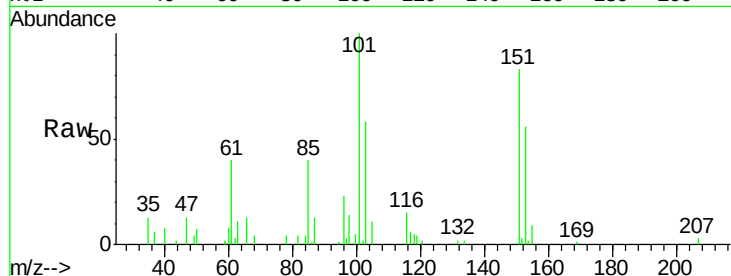
Tot Ion:101 Resp: 44077

Ion Ratio Lower Upper

101 100

85 41.5 33.6 50.4

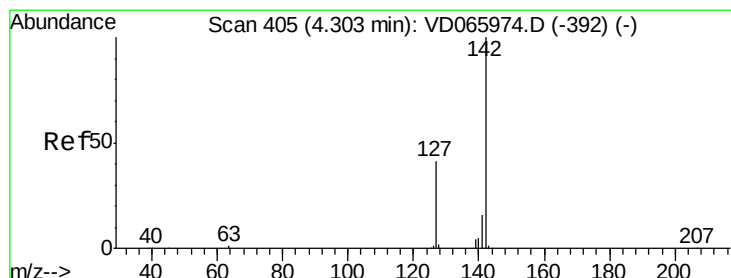
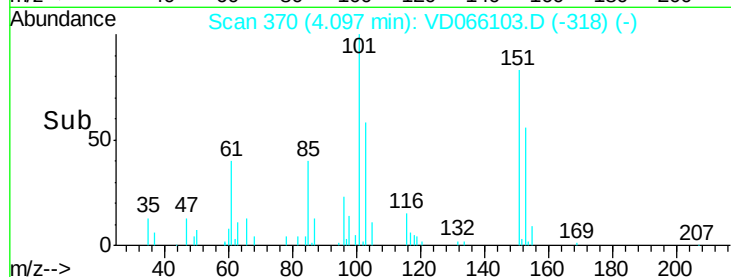
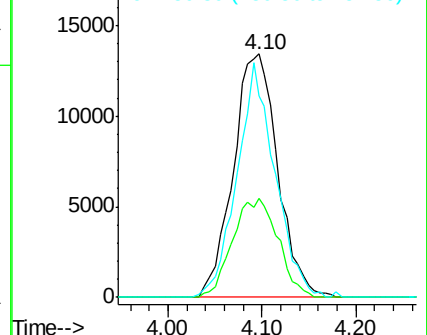
151 82.3 66.6 99.8



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: 25.680 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD066103.D

Acq: 30 Jul 2020 11:18

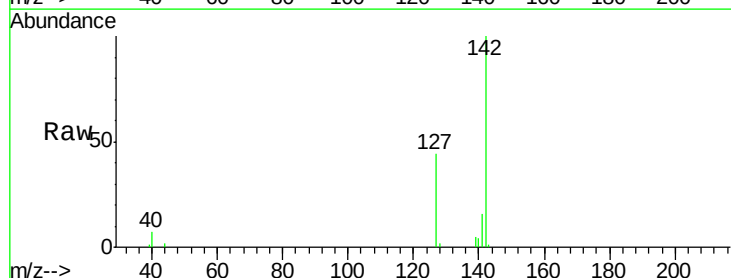
Tgt Ion:142 Resp: 40751

Ion Ratio Lower Upper

142 100

127 45.9 32.9 49.3

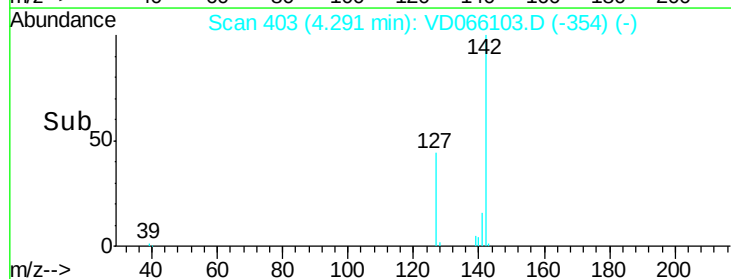
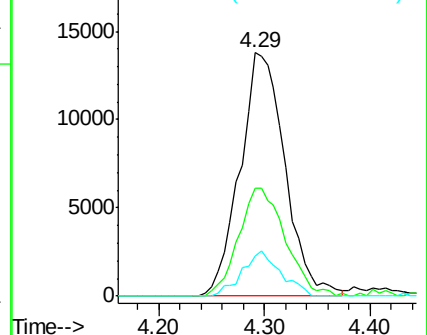
141 15.9 11.8 17.6

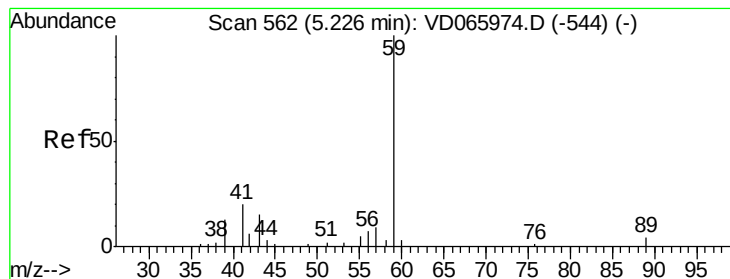


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



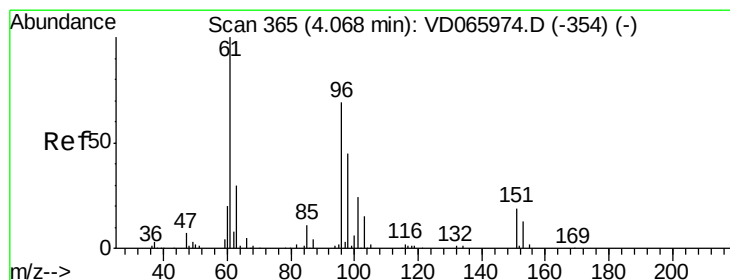
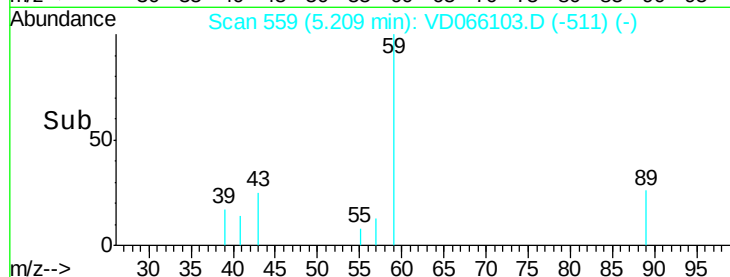
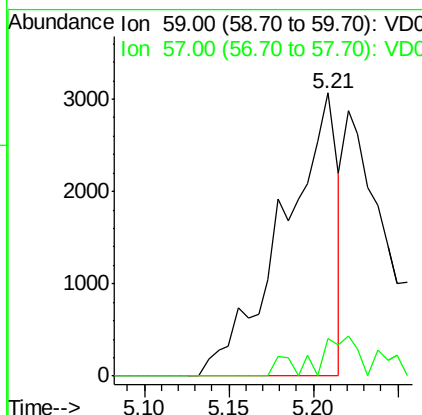
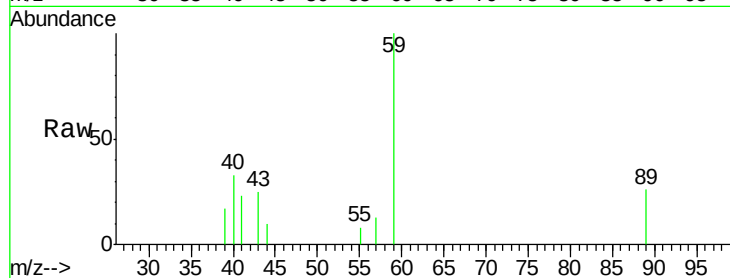


#11

Tert butyl alcohol
 Concen: 35.176 ug/l
 RT: 5.21 min Scan# 559
 Delta R.T. -0.02 min
 Lab File: VD066103.D
 Acq: 30 Jul 2020 11:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

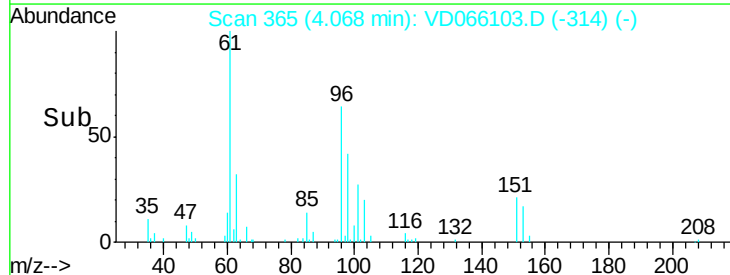
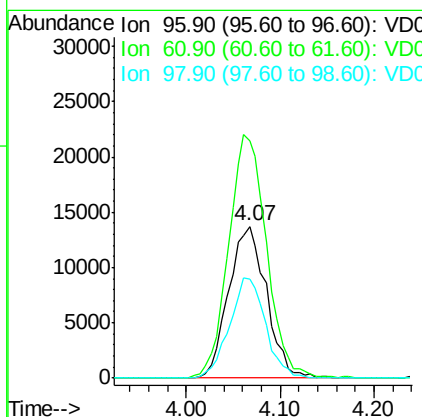
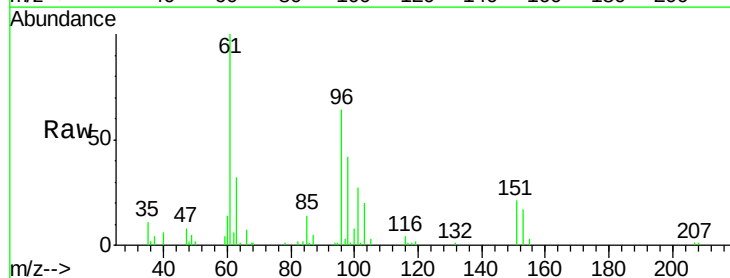
Tot Ion: 59 Resp: 6810
 Ion Ratio Lower Upper
 59 100
 57 8.9 4.5 6.7#

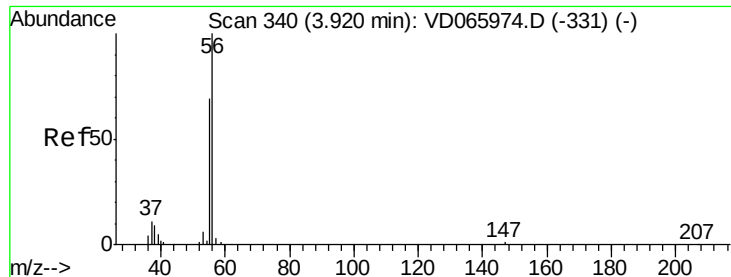


#12

1,1-Dichloroethene
 Concen: 20.407 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VD066103.D
 Acq: 30 Jul 2020 11:18

Tgt Ion: 96 Resp: 38376
 Ion Ratio Lower Upper
 96 100
 61 156.6 115.4 173.0
 98 65.3 51.5 77.3





#13

Acrolein

Concen: 66.839 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD066103.D

Acq: 30 Jul 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

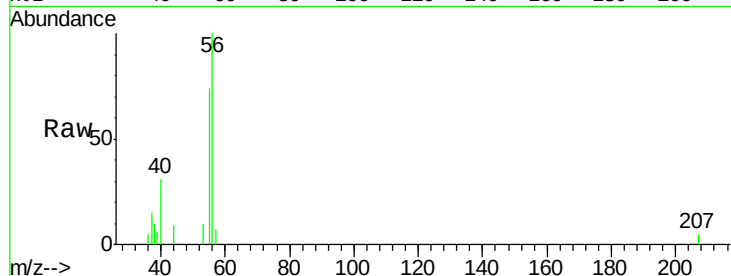
VD0730SBS01

Tot Ion: 56 Resp: 10422

Ion Ratio Lower Upper

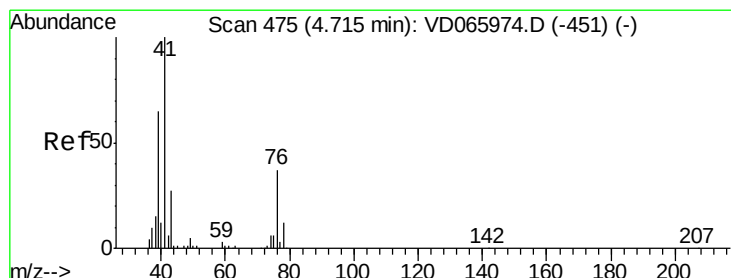
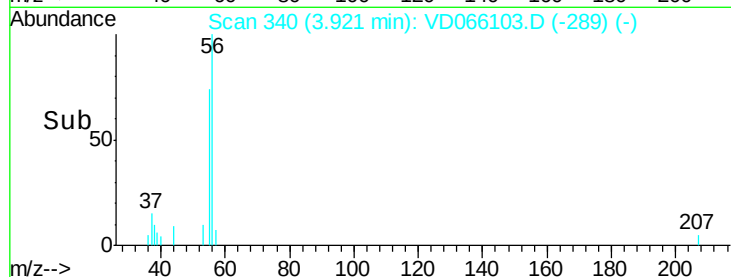
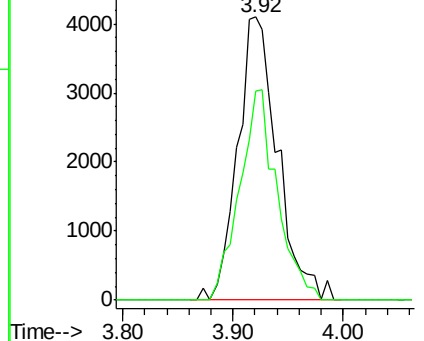
56 100

55 69.4 55.8 83.8



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 18.343 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD066103.D

Acq: 30 Jul 2020 11:18

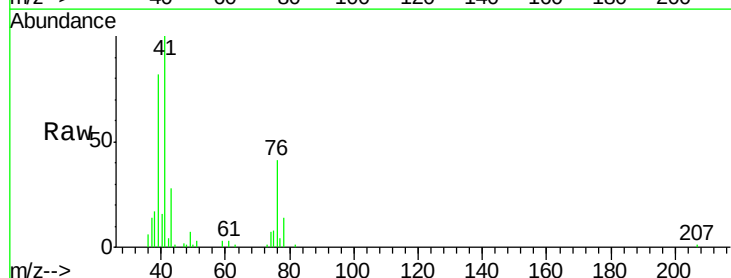
Tgt Ion: 41 Resp: 53921

Ion Ratio Lower Upper

41 100

39 80.7 53.4 80.2#

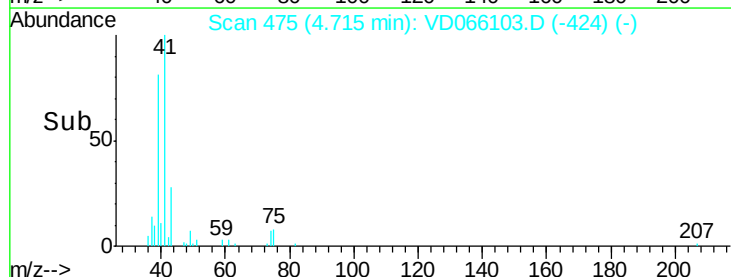
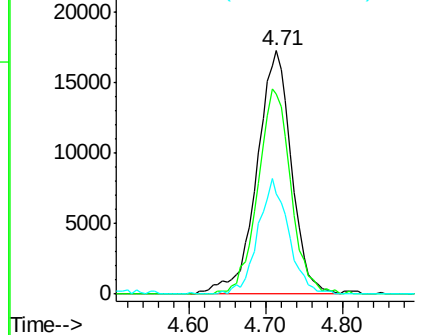
76 42.2 29.1 43.7

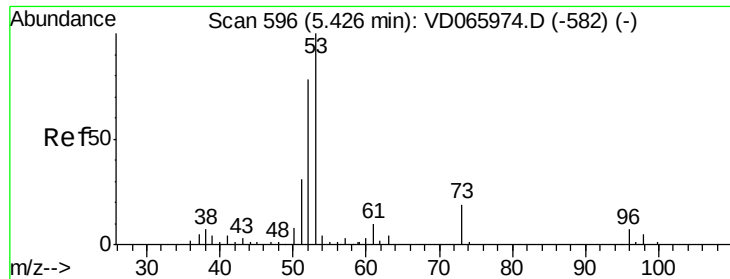


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 94.713 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD066103.D

Acq: 30 Jul 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

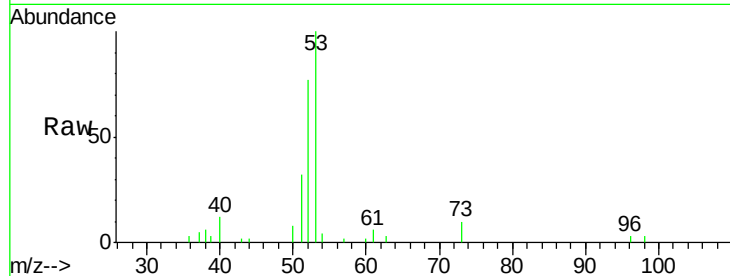
Tot Ion: 53 Resp: 36493

Ion Ratio Lower Upper

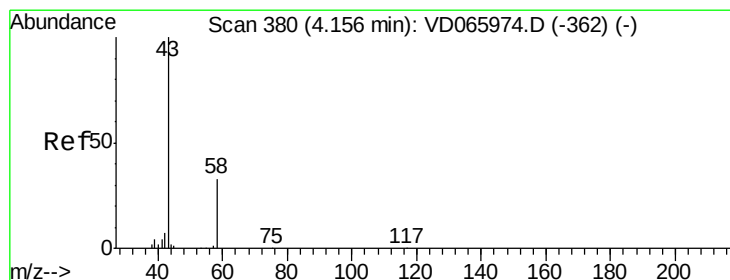
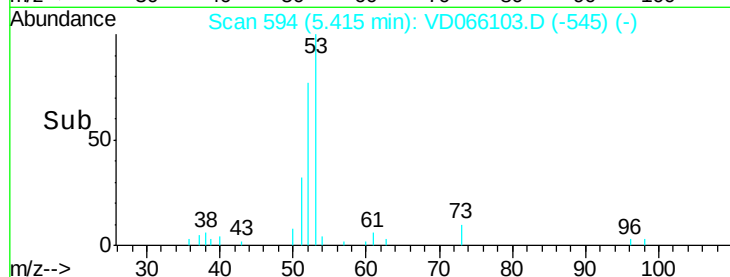
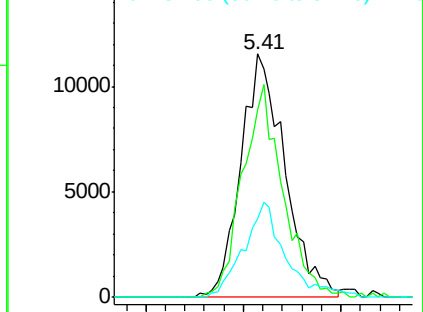
53 100

52 79.8 67.1 100.7

51 37.2 28.7 43.1



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: 94.233 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD066103.D

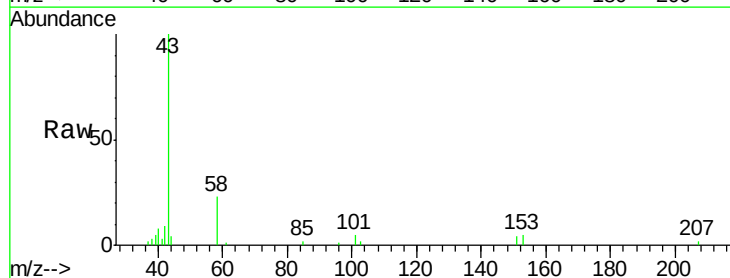
Acq: 30 Jul 2020 11:18

Tgt Ion: 43 Resp: 35301

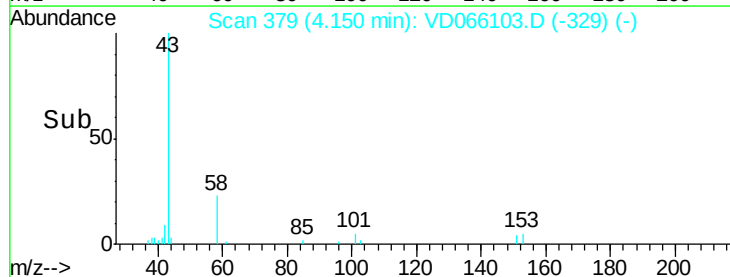
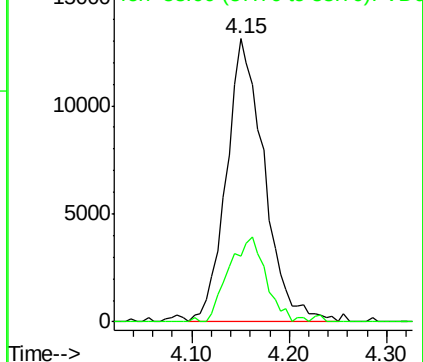
Ion Ratio Lower Upper

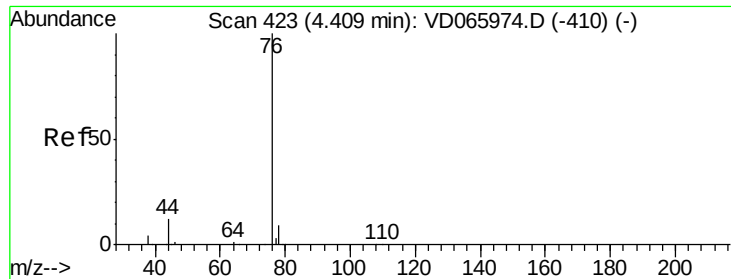
43 100

58 23.4 26.3 39.5#



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

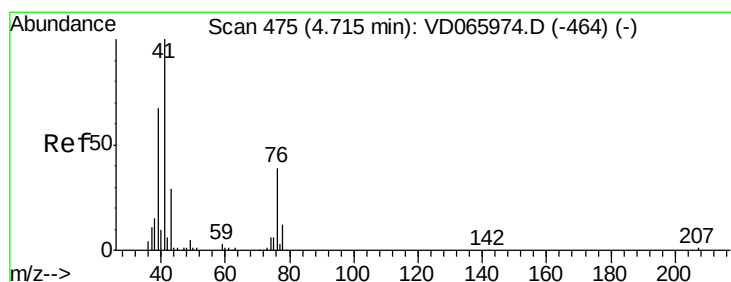
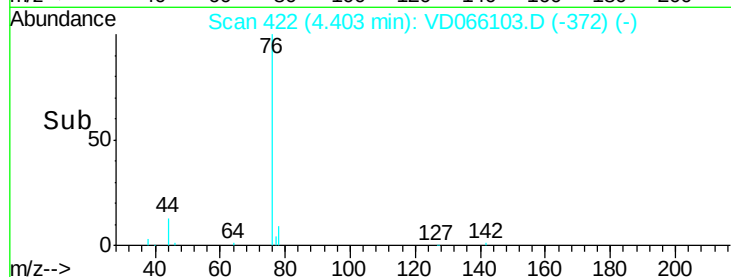
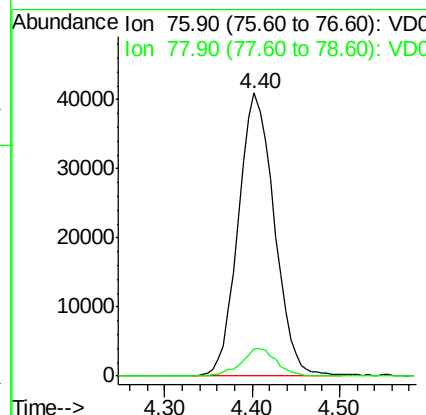
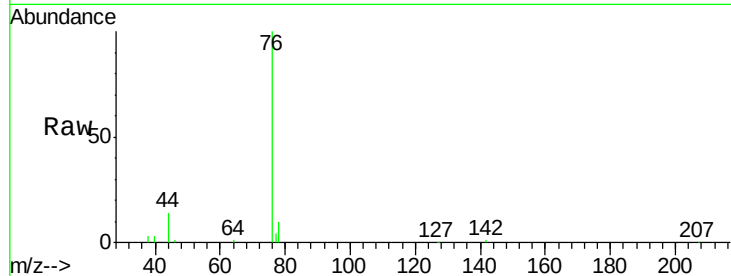




#17
Carbon Disulfide
Concen: 18.806 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

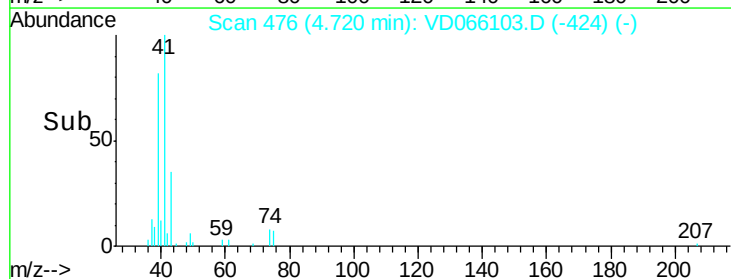
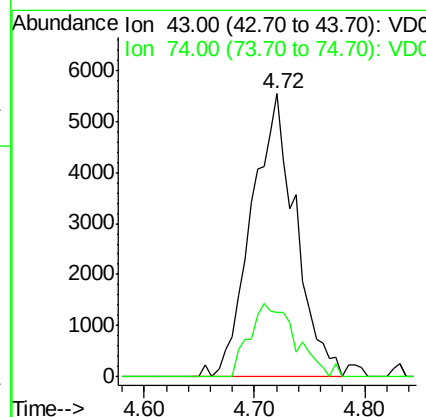
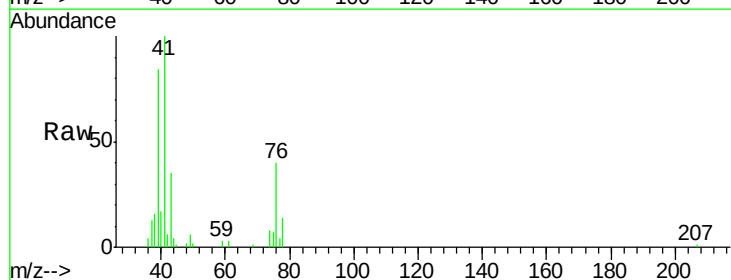
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

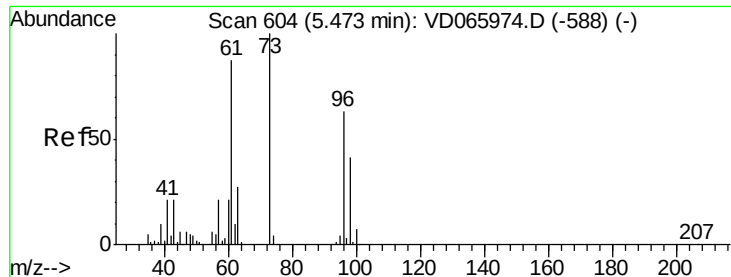
Tot Ion: 76 Resp: 114720
Ion Ratio Lower Upper
76 100
78 9.8 7.4 11.2



#18
Methyl Acetate
Concen: 17.806 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

Tgt Ion: 43 Resp: 15517
Ion Ratio Lower Upper
43 100
74 26.4 19.2 28.8

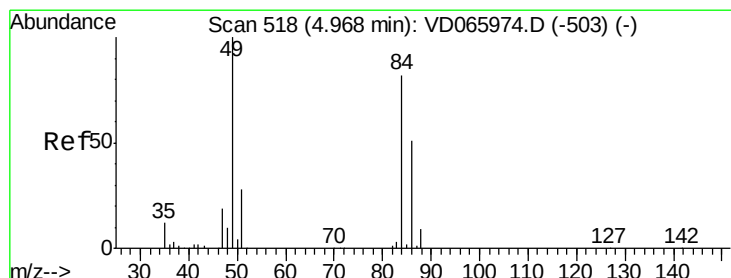
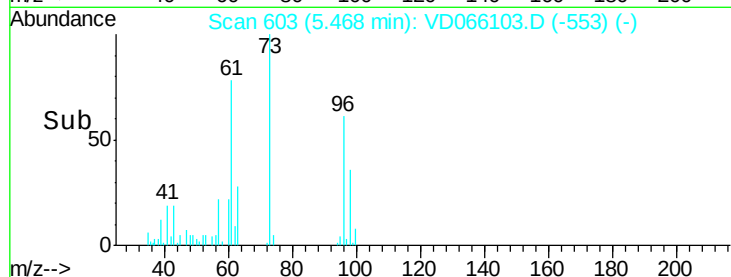
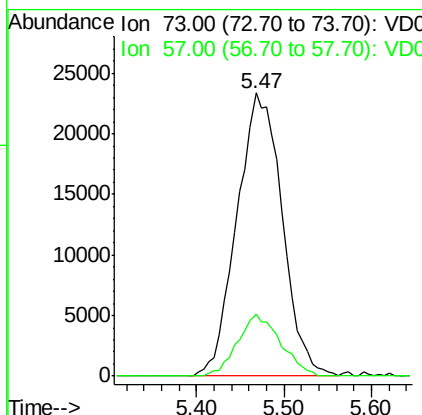
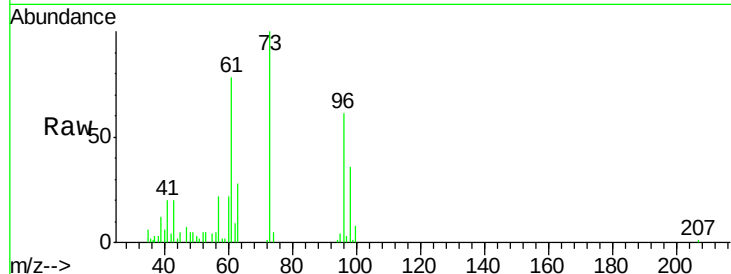




#19
Methyl tert-butyl Ether
Concen: 21.356 ug/l
RT: 5.47 min Scan# 603
Delta R.T. -0.01 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

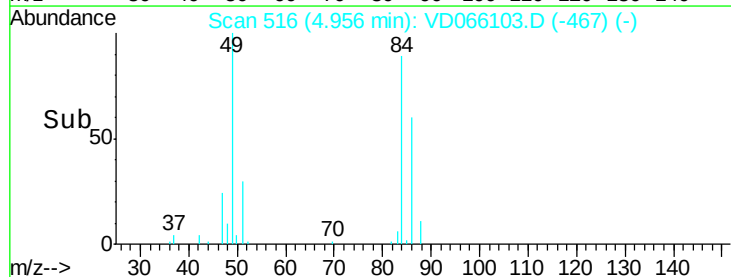
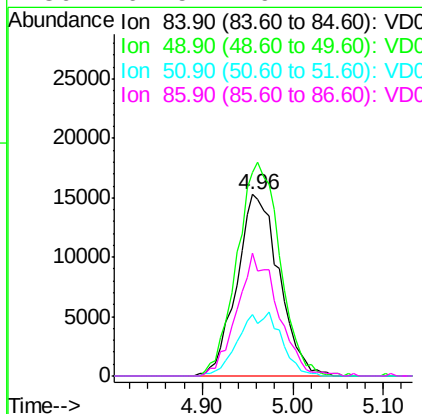
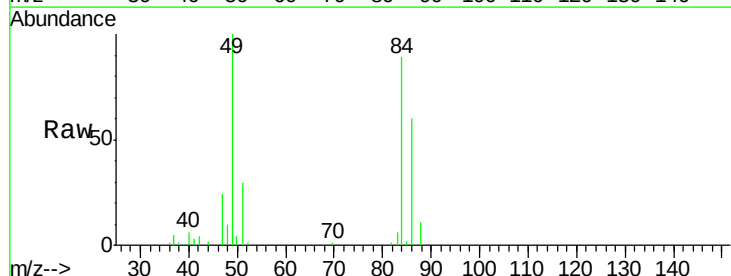
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

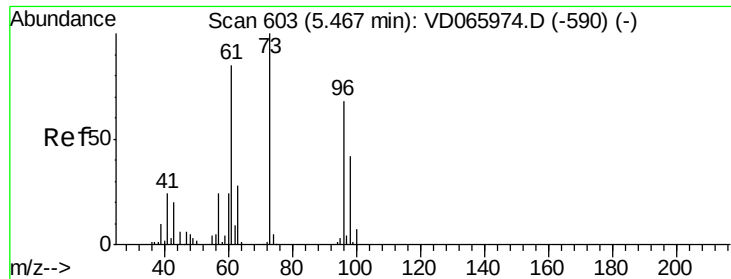
Tot Ion: 73 Resp: 82515
Ion Ratio Lower Upper
73 100
57 21.9 17.0 25.4



#20
Methylene Chloride
Concen: 22.282 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

Tgt Ion: 84 Resp: 49559
Ion Ratio Lower Upper
84 100
49 111.9 97.7 146.5
51 33.9 27.4 41.2
86 67.5 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 20.979 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD066103.D

Acq: 30 Jul 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

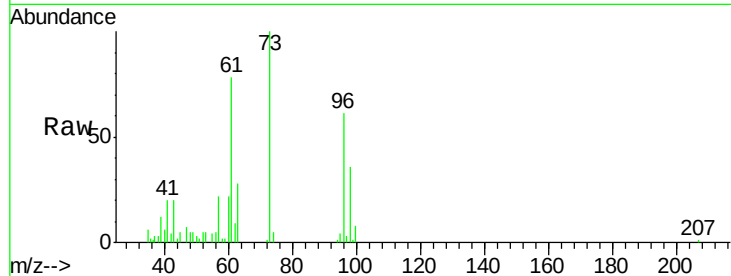
Tot Ion: 96 Resp: 44589

Ion Ratio Lower Upper

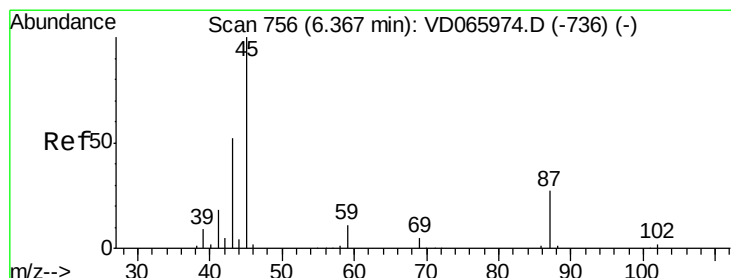
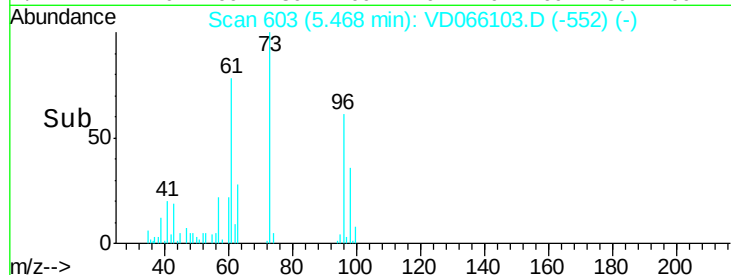
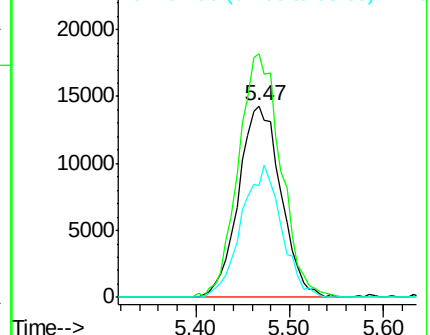
96 100

61 127.2 100.5 150.7

98 58.1 49.7 74.5



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



#22

Diisopropyl ether

Concen: 19.090 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD066103.D

Acq: 30 Jul 2020 11:18

Tgt Ion: 45 Resp: 106614

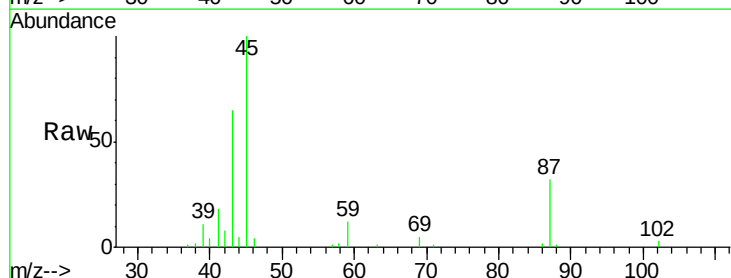
Ion Ratio Lower Upper

45 100

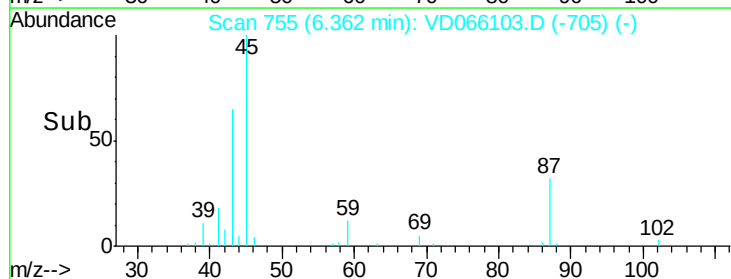
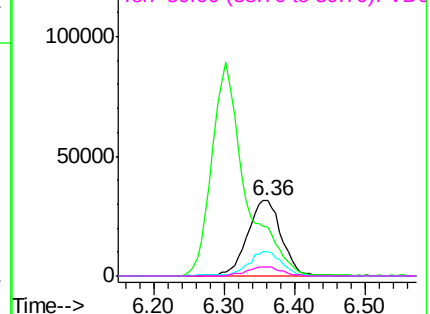
43 64.1 43.0 64.4

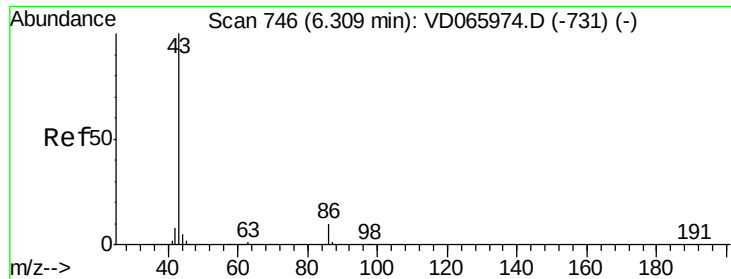
87 31.1 22.0 33.0

59 12.2 9.1 13.7



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: 93.855 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD066103.D

Acq: 30 Jul 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

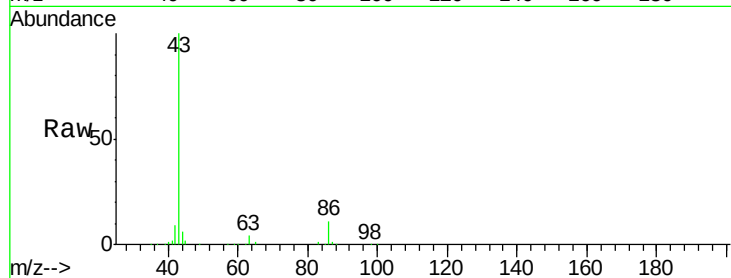
VD0730SBS01

Tot Ion: 43 Resp: 295614

Ion Ratio Lower Upper

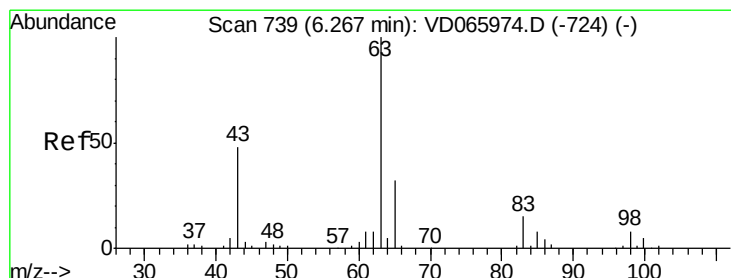
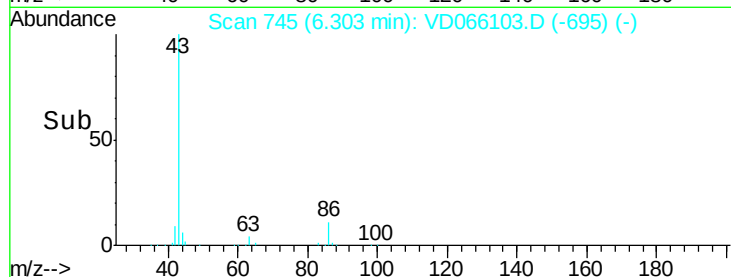
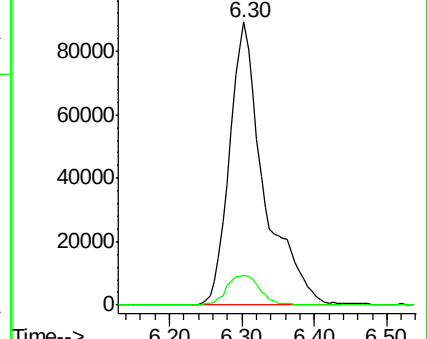
43 100

86 10.5 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.104 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD066103.D

Acq: 30 Jul 2020 11:18

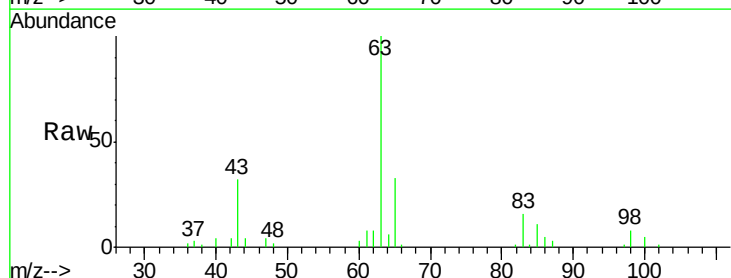
Tgt Ion: 63 Resp: 71415

Ion Ratio Lower Upper

63 100

98 8.0 4.3 12.8

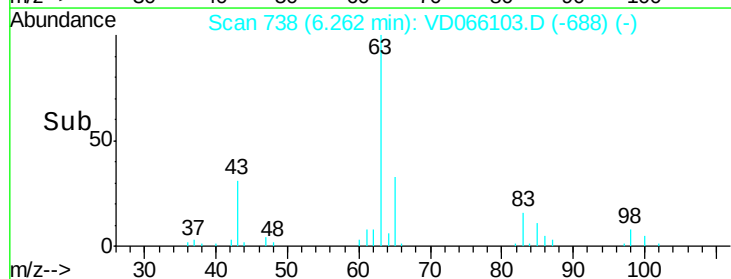
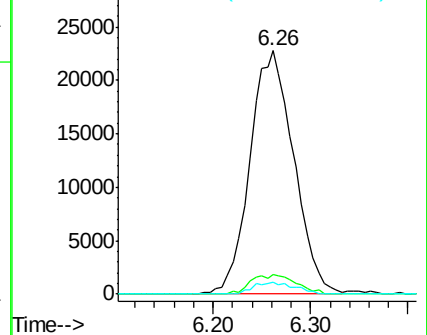
100 5.1 2.5 7.5

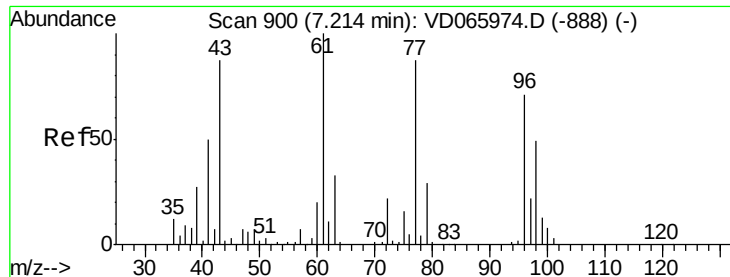


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 85.982 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD066103.D

Acq: 30 Jul 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

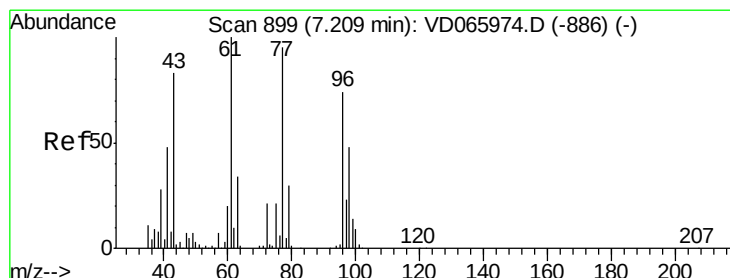
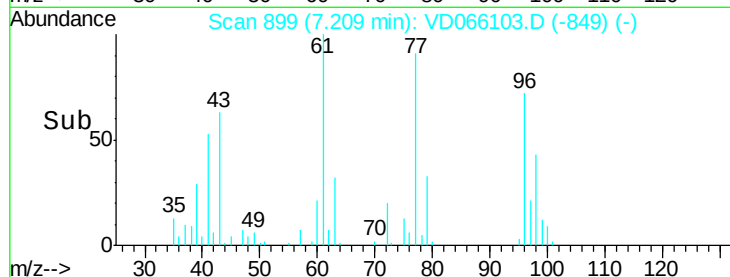
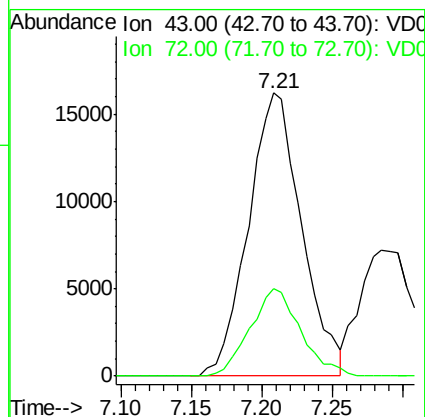
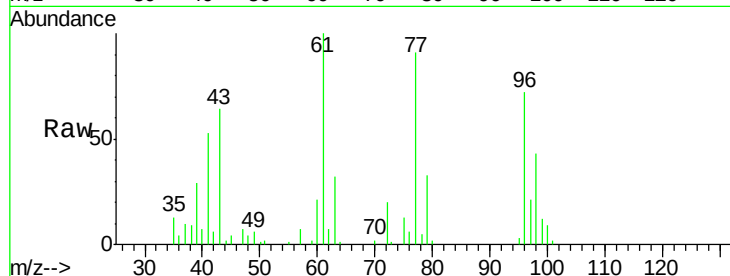
VD0730SBS01

Tot Ion: 43 Resp: 42740

Ion Ratio Lower Upper

43 100

72 30.7 20.2 30.2#



#26

2,2-Dichloropropane

Concen: 23.118 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066103.D

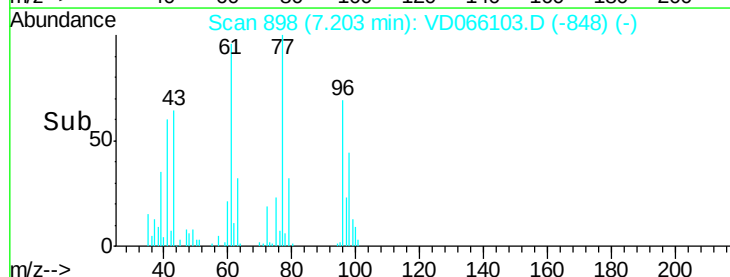
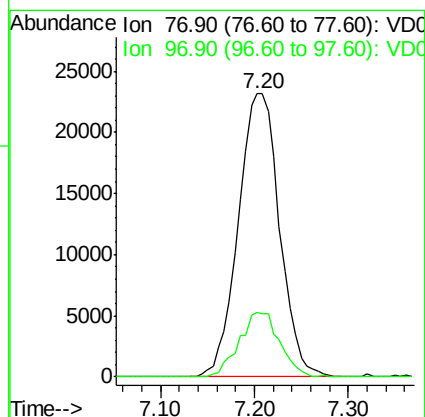
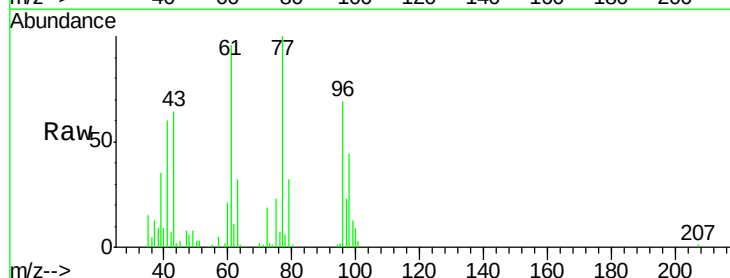
Acq: 30 Jul 2020 11:18

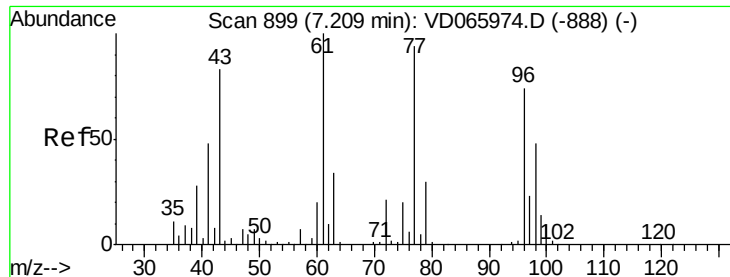
Tgt Ion: 77 Resp: 70348

Ion Ratio Lower Upper

77 100

97 22.4 11.6 34.7



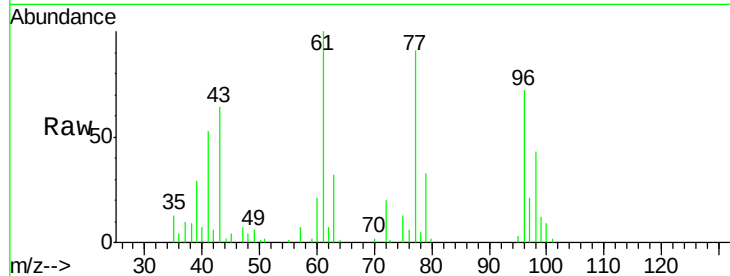


#27

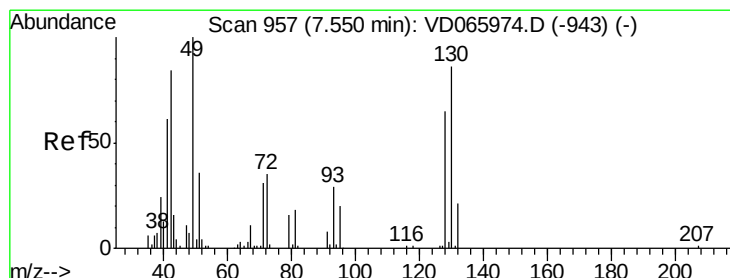
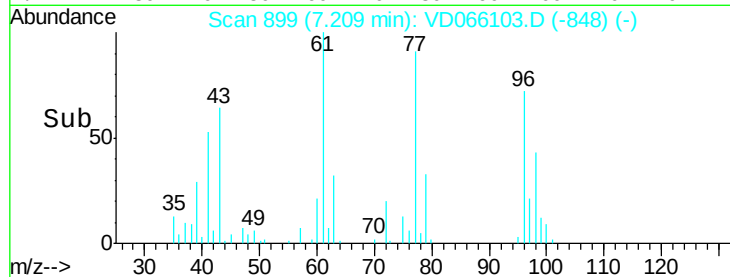
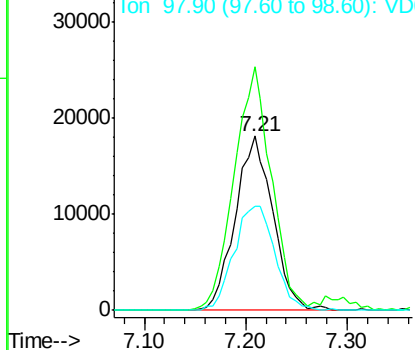
cis-1,2-Dichloroethene
 Concen: 20.693 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD066103.D
 Acq: 30 Jul 2020 11:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.8	0.0	276.6
98	64.9	0.0	130.8



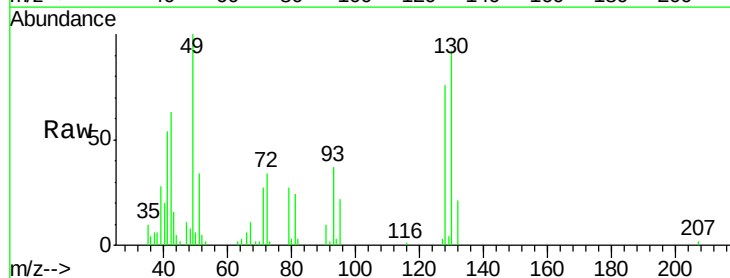
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



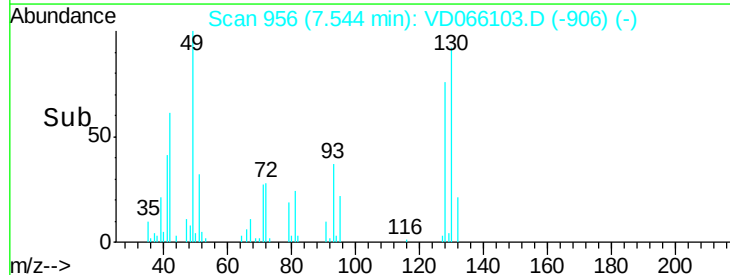
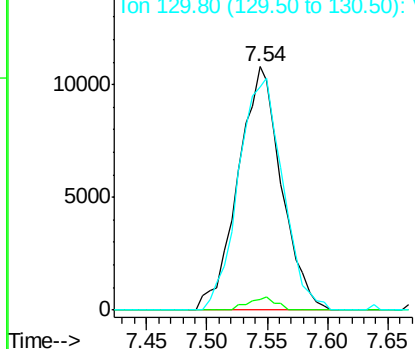
#28

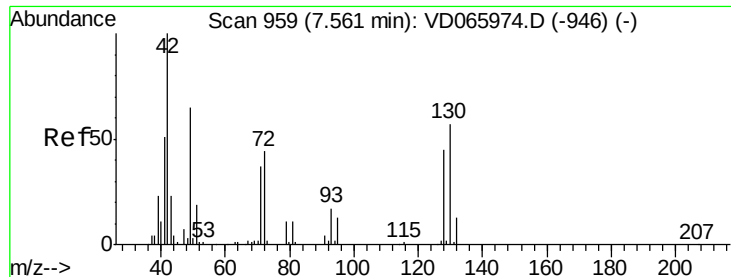
Bromochloromethane
 Concen: 18.742 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD066103.D
 Acq: 30 Jul 2020 11:18

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.4	0.0	4.8
130	97.8	68.4	102.6



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

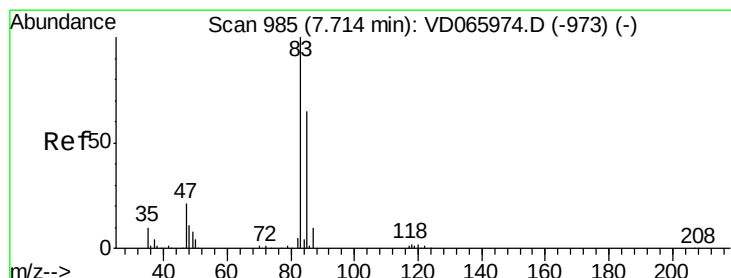
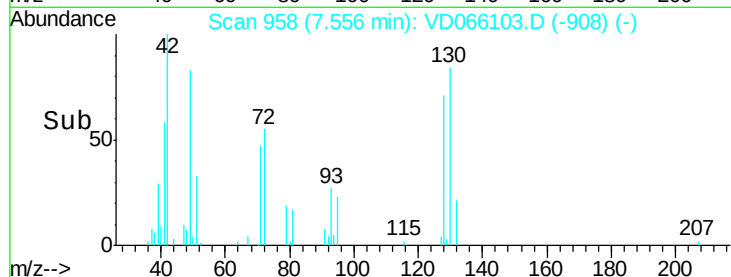
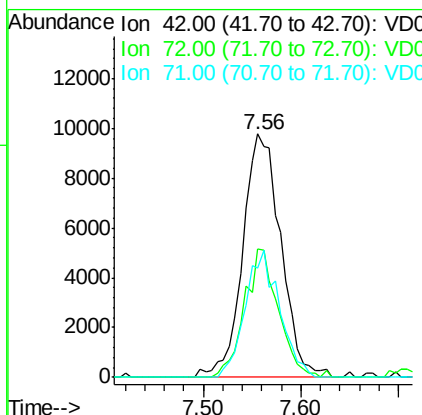
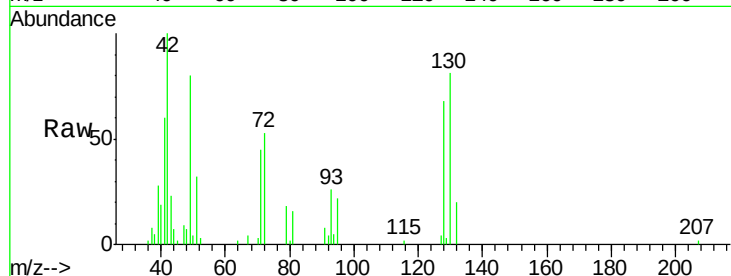




#29
Tetrahydrofuran
Concen: 86.980 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

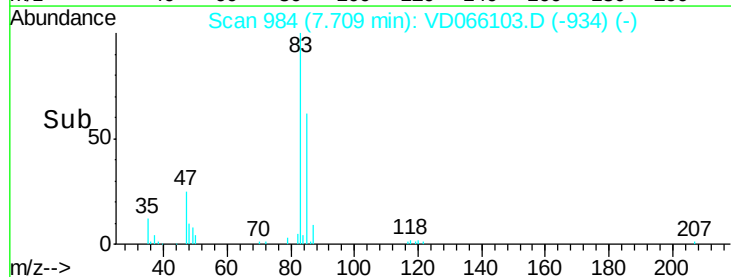
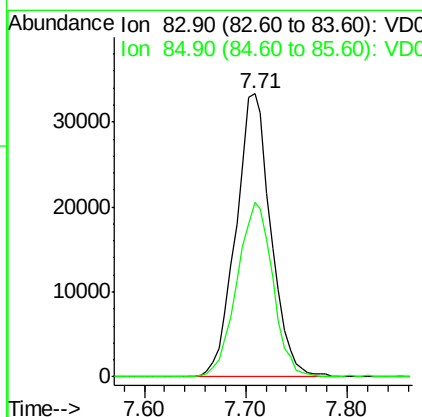
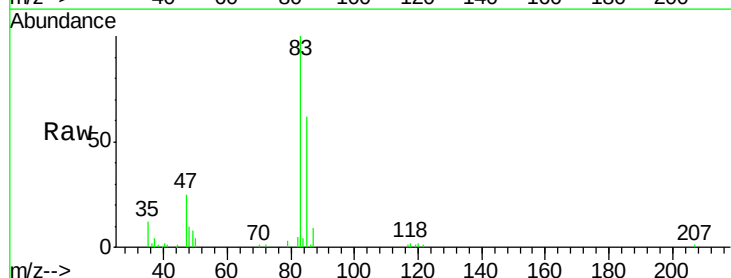
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

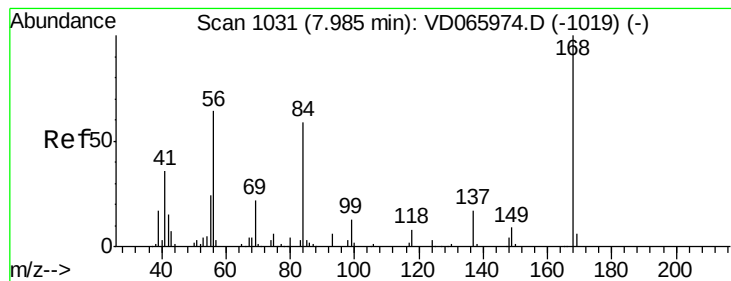
Tot Ion: 42 Resp: 26677
Ion Ratio Lower Upper
42 100
72 46.6 34.2 51.2
71 46.8 31.4 47.2



#30
Chloroform
Concen: 22.501 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

Tgt Ion: 83 Resp: 79647
Ion Ratio Lower Upper
83 100
85 61.5 52.1 78.1





#31

Cyclohexane

Concen: 19.280 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD066103.D

Acq: 30 Jul 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

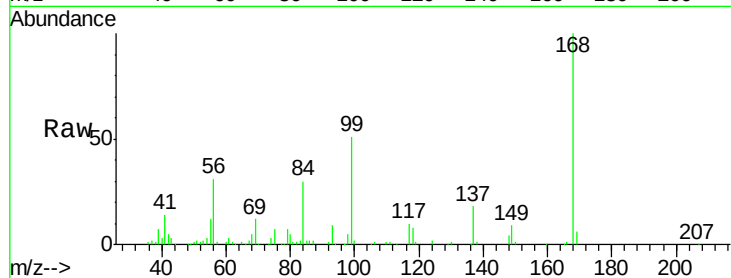
Tot Ion: 56 Resp: 64185

Ion Ratio Lower Upper

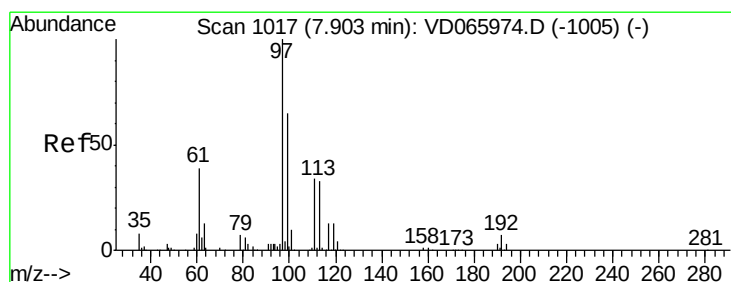
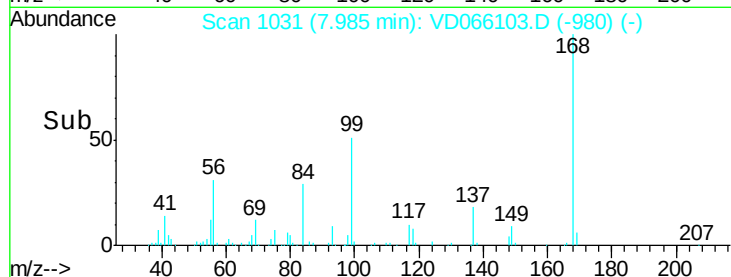
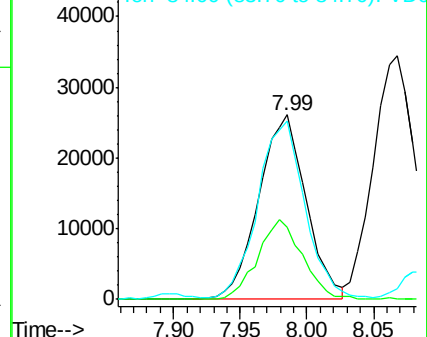
56 100

69 39.0 28.0 42.0

84 95.3 72.6 109.0



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 23.426 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VD066103.D

Acq: 30 Jul 2020 11:18

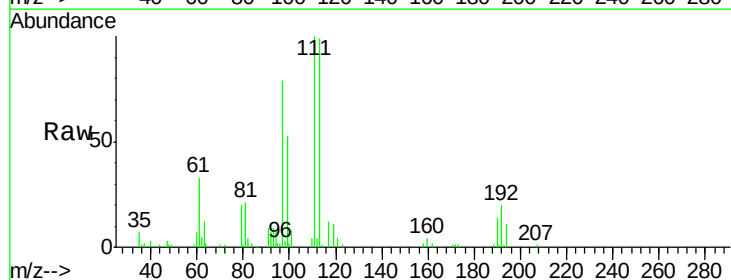
Tgt Ion: 97 Resp: 76702

Ion Ratio Lower Upper

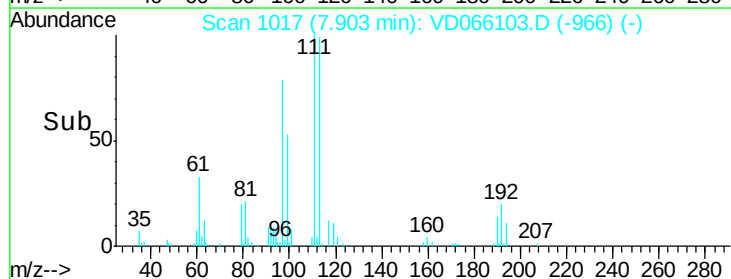
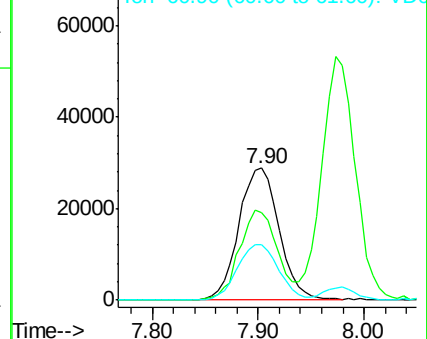
97 100

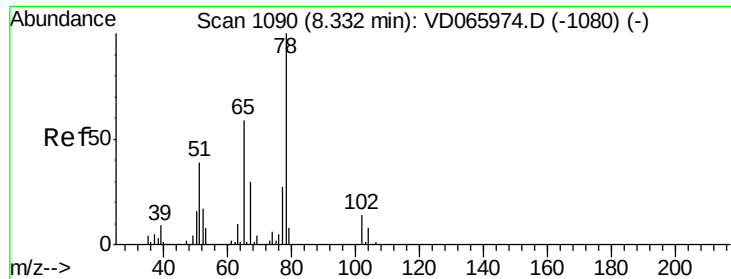
99 65.5 51.8 77.6

61 42.4 33.3 49.9



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC

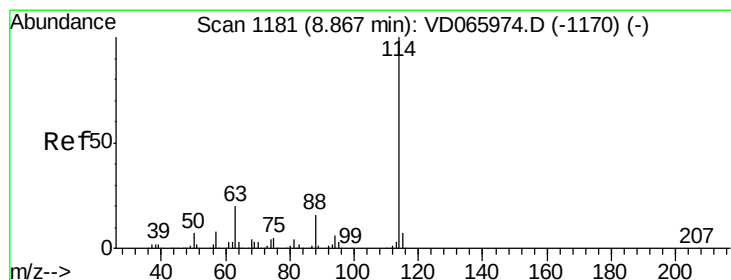
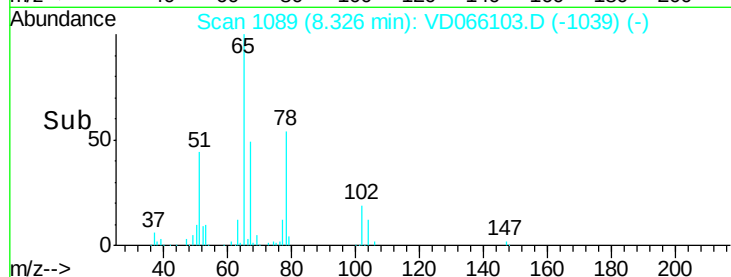
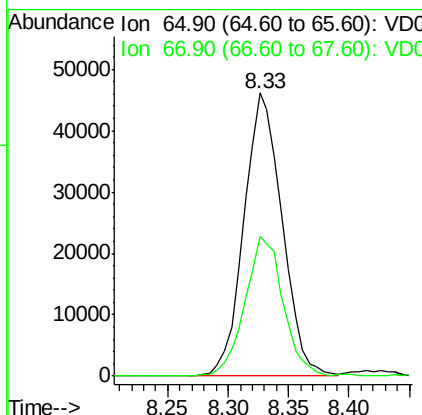
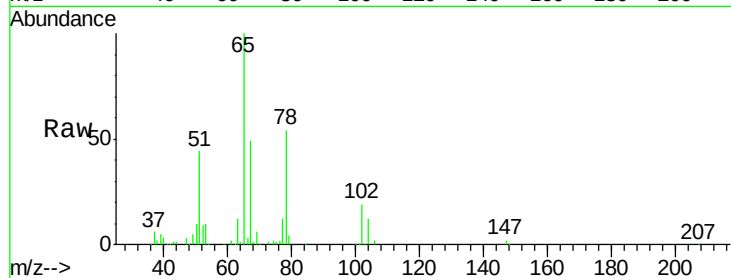




#33
 1,2-Dichloroethane-d4
 Concen: 54.859 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066103.D
 Acq: 30 Jul 2020 11:18

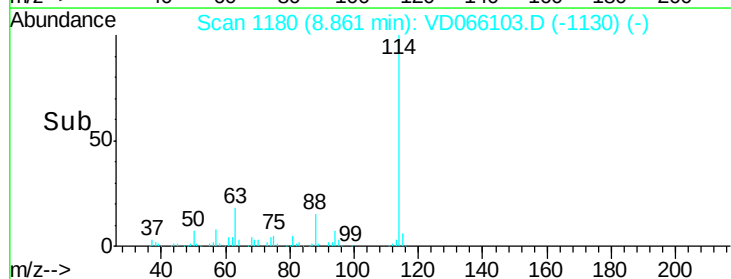
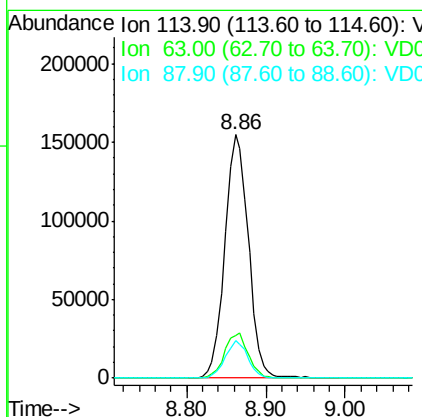
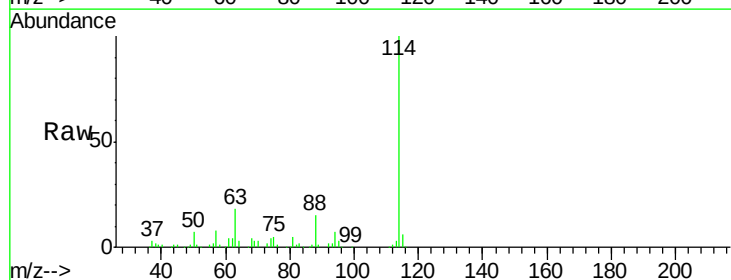
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

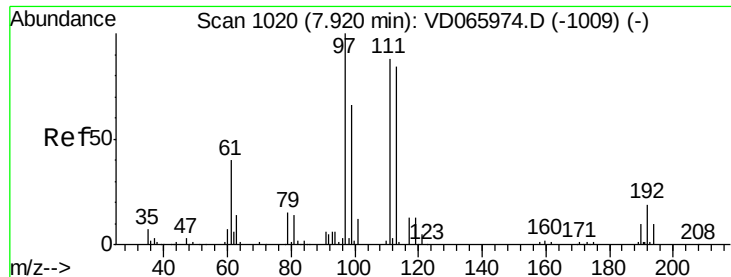
Tot Ion: 65 Resp: 101530
 Ion Ratio Lower Upper
 65 100
 67 49.2 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VD066103.D
 Acq: 30 Jul 2020 11:18

Tgt Ion: 114 Resp: 318157
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 39.6
 88 15.2 0.0 31.2

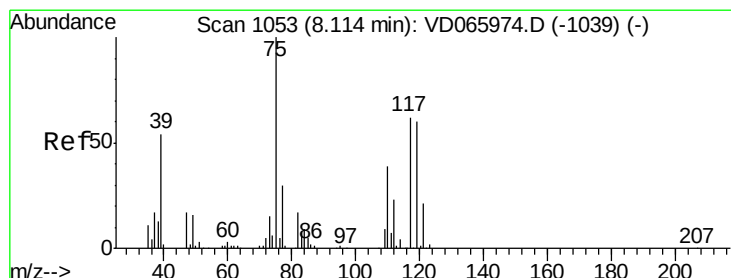
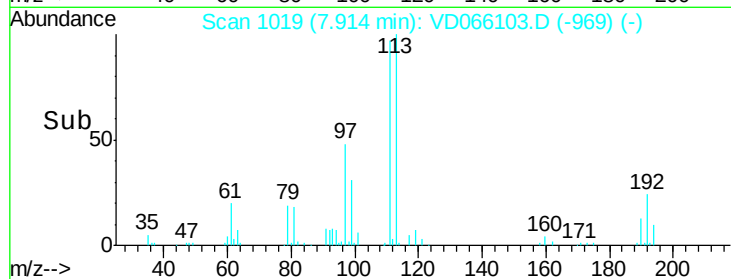
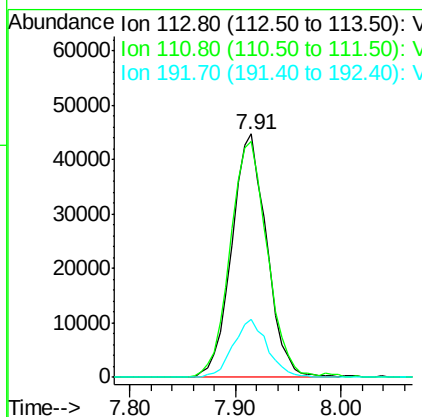
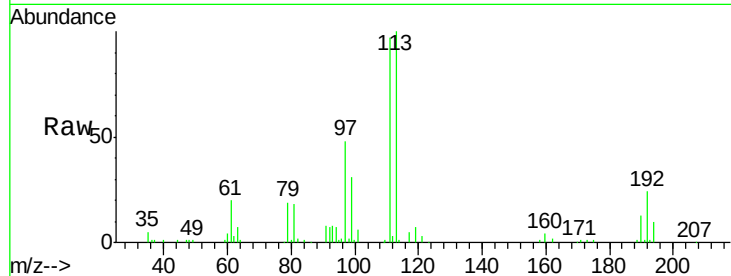




#35
 Dibromofluoromethane
 Concen: 53.310 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD066103.D
 Acq: 30 Jul 2020 11:18

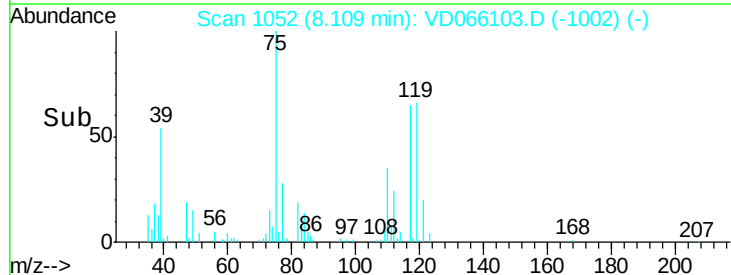
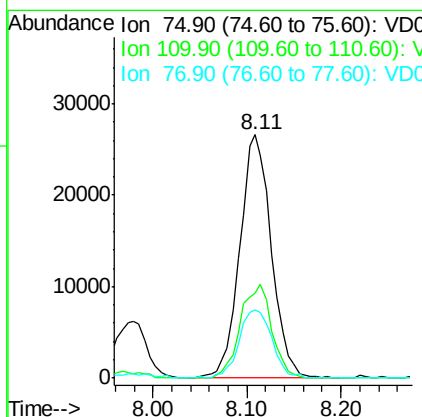
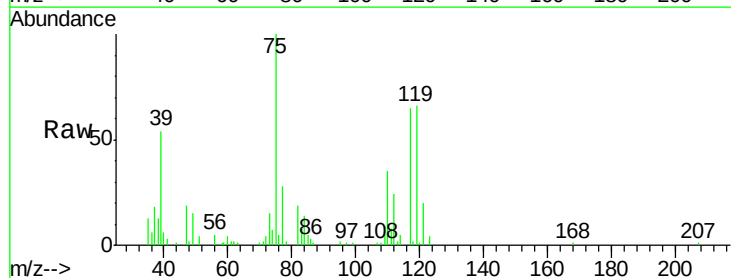
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

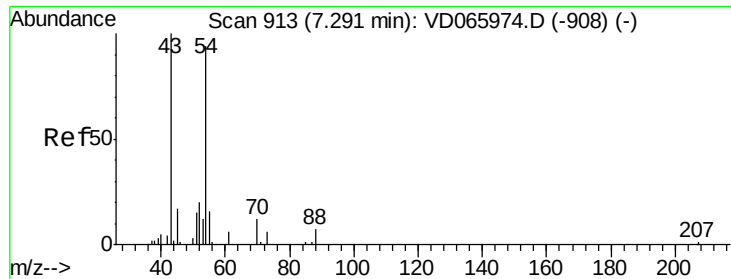
Tot Ion:113 Resp: 102874
 Ion Ratio Lower Upper
 113 100
 111 102.4 83.2 124.8
 192 23.2 18.7 28.1



#36
 1,1-Dichloropropene
 Concen: 22.765 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD066103.D
 Acq: 30 Jul 2020 11:18

Tgt Ion: 75 Resp: 61814
 Ion Ratio Lower Upper
 75 100
 110 38.4 19.5 58.5
 77 29.2 24.7 37.1

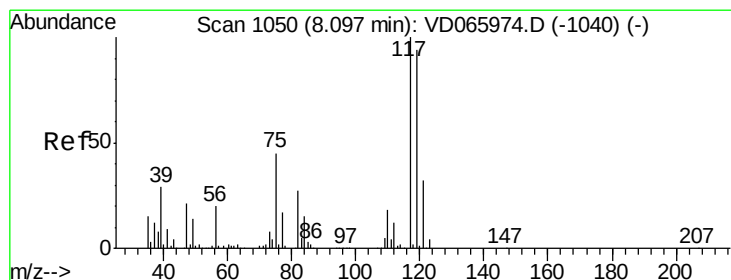
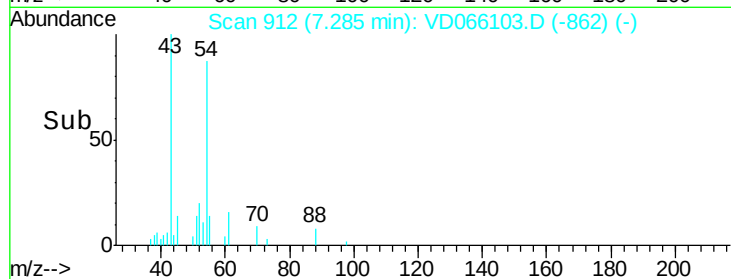
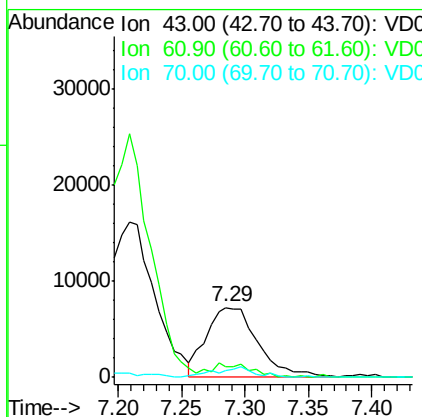
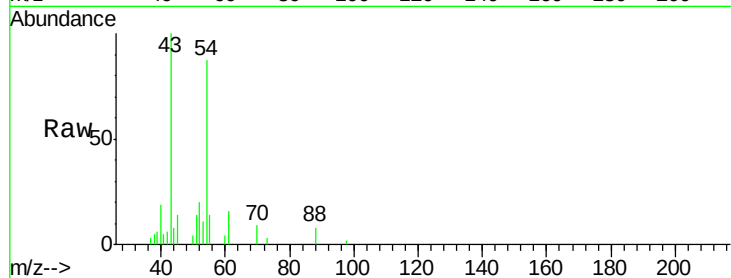




#37
Ethyl Acetate
Concen: 19.751 ug/l
RT: 7.29 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

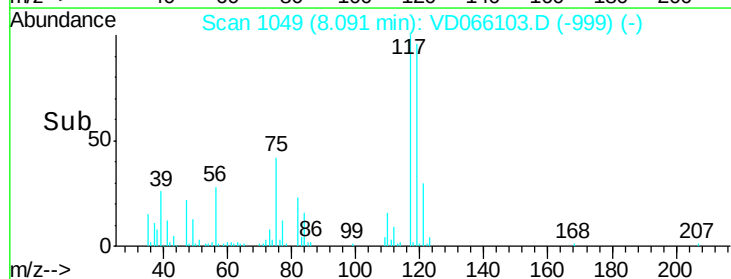
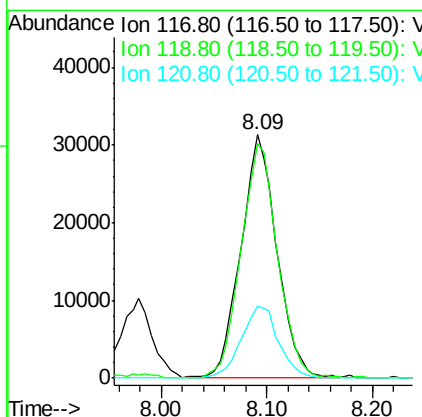
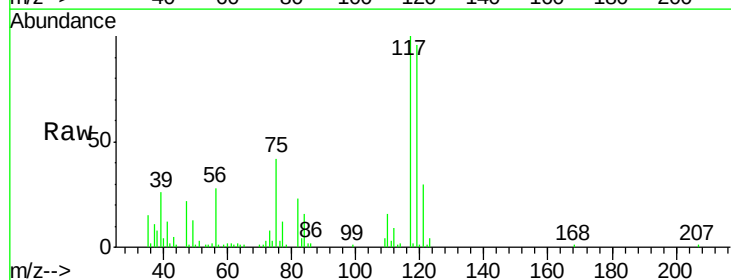
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

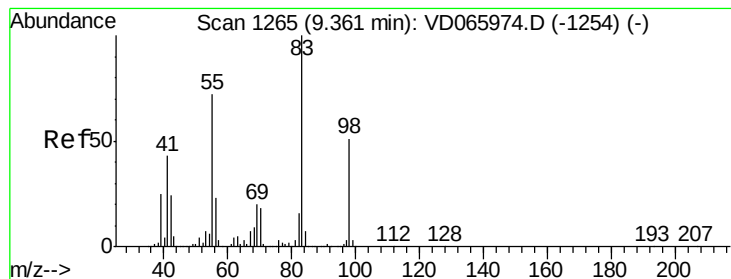
Tot Ion: 43 Resp: 20481
Ion Ratio Lower Upper
43 100
61 16.0 11.4 17.0
70 11.2 9.3 13.9



#38
Carbon Tetrachloride
Concen: 25.208 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

Tgt Ion: 117 Resp: 74270
Ion Ratio Lower Upper
117 100
119 96.3 75.0 112.6
121 29.8 25.5 38.3





#39

Methylvlcyclohexane

Concen: 21.245 ug/l

RT: 9.36 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VD066103.D

Acq: 30 Jul 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

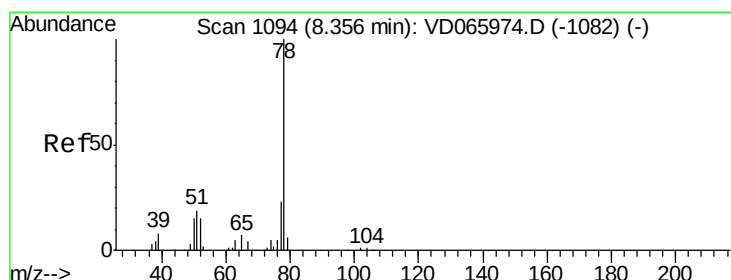
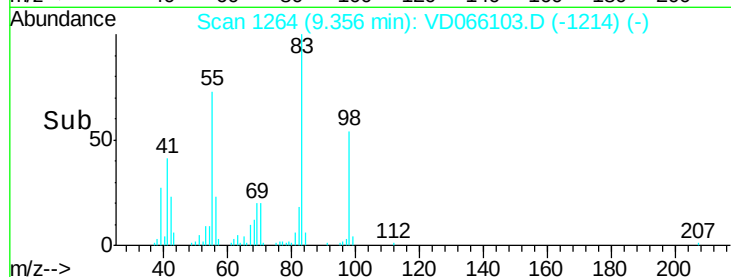
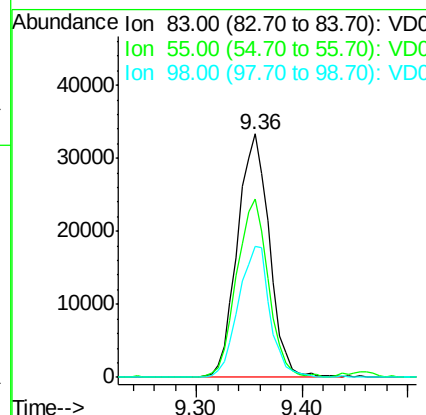
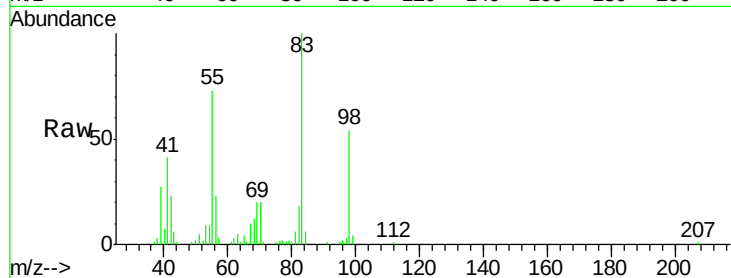
Tot Ion: 83 Resp: 69859

Ion Ratio Lower Upper

83 100

55 73.3 57.3 85.9

98 53.7 41.0 61.6



#40

Benzene

Concen: 21.195 ug/l

RT: 8.35 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VD066103.D

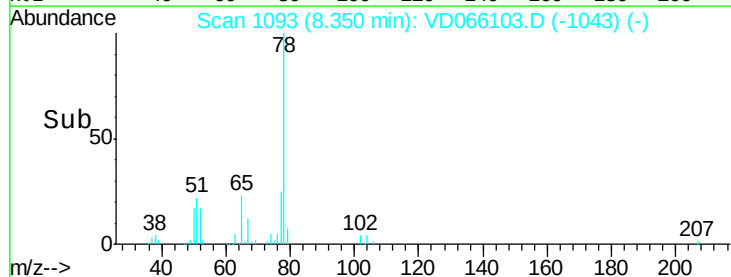
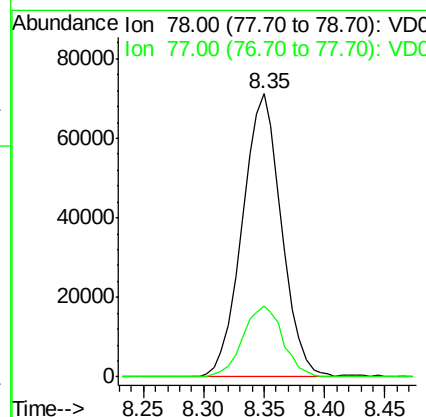
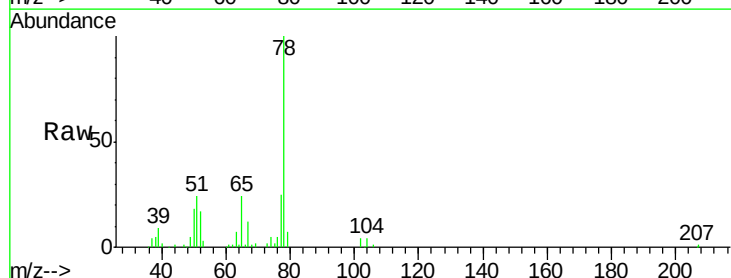
Acq: 30 Jul 2020 11:18

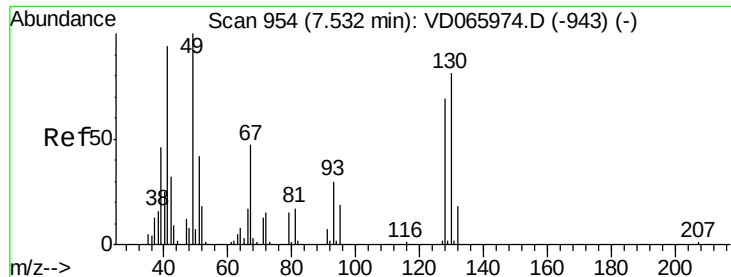
Tgt Ion: 78 Resp: 161005

Ion Ratio Lower Upper

78 100

77 24.9 18.6 27.8

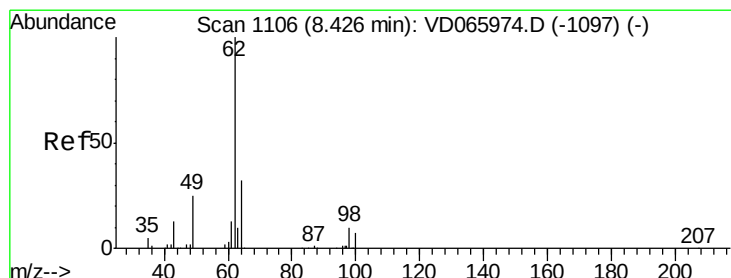
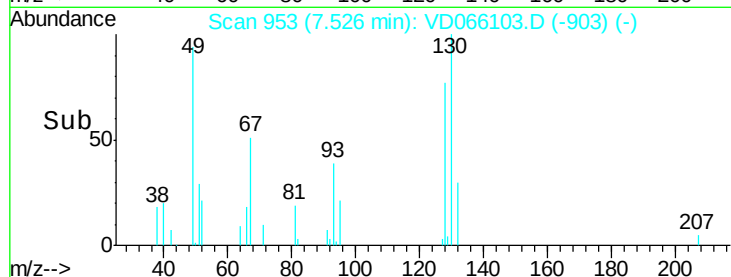
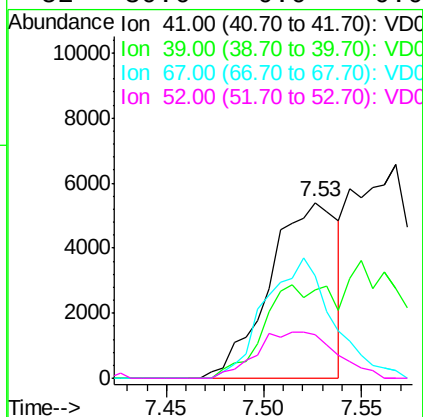
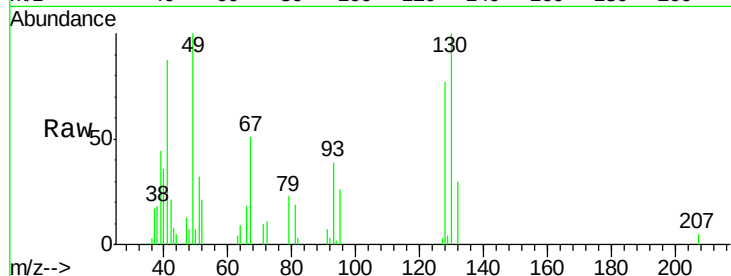




#41
Methacrylonitrile
Concen: 21.976 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

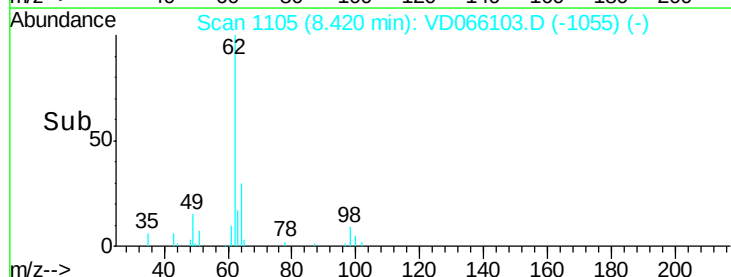
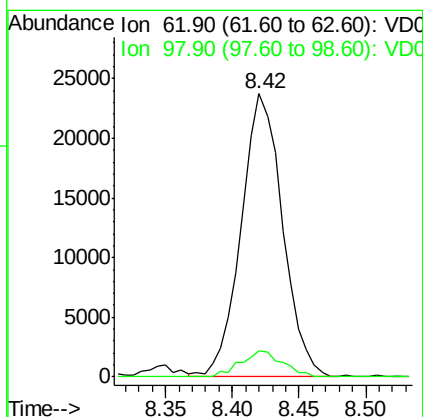
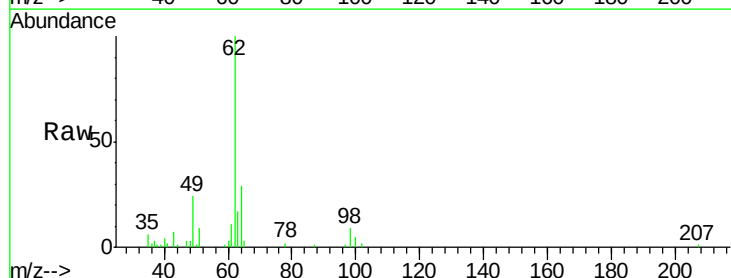
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

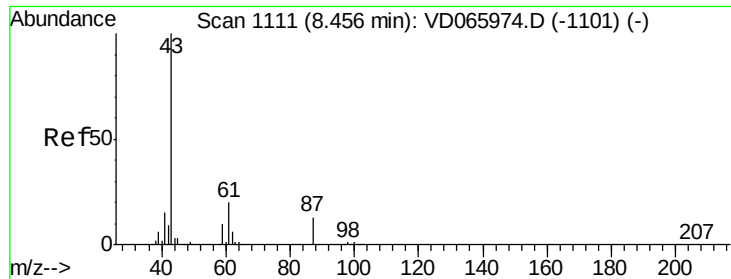
Tot Ion:	41	Resp:	13055
Ion	Ratio	Lower	Upper
41	100		
39	54.3	0.0	0.0#
67	68.3	0.0	0.0#
52	30.6	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 24.472 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

Tgt Ion:	62	Resp:	50941
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	21.0





#43

Isopropyl Acetate

Concen: 18.654 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD066103.D

Acq: 30 Jul 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

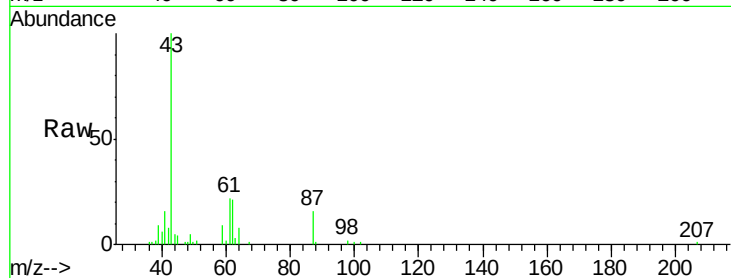
Tot Ion: 43 Resp: 37781

Ion Ratio Lower Upper

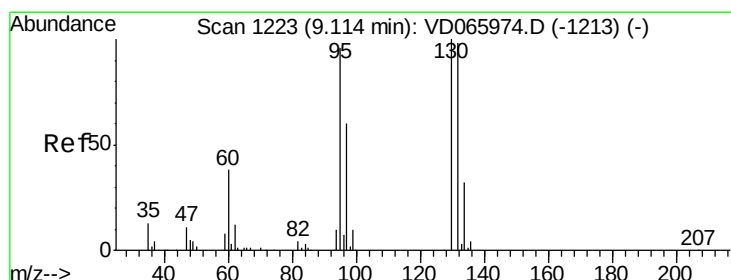
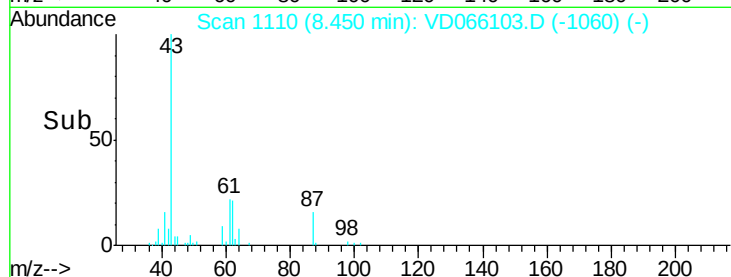
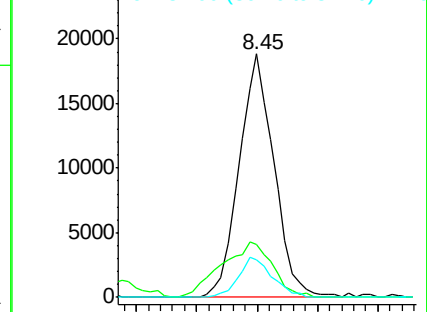
43 100

61 33.2 25.8 38.8

87 16.1 10.9 16.3



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: 22.690 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD066103.D

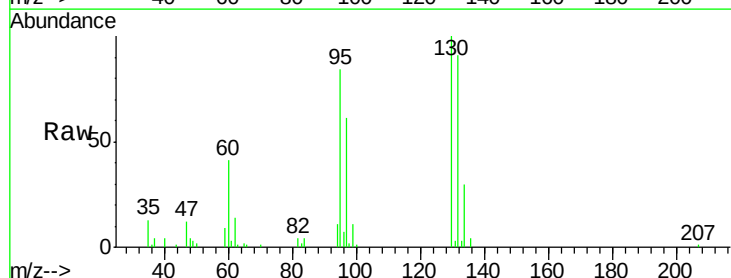
Acq: 30 Jul 2020 11:18

Tgt Ion: 130 Resp: 52159

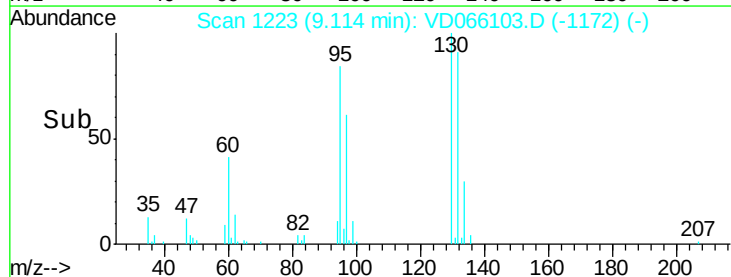
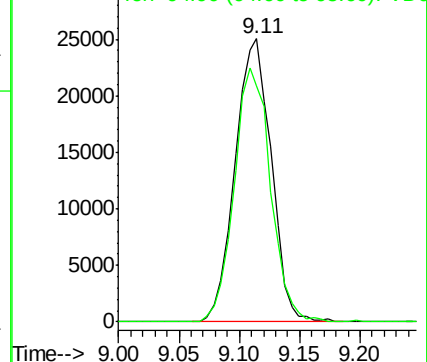
Ion Ratio Lower Upper

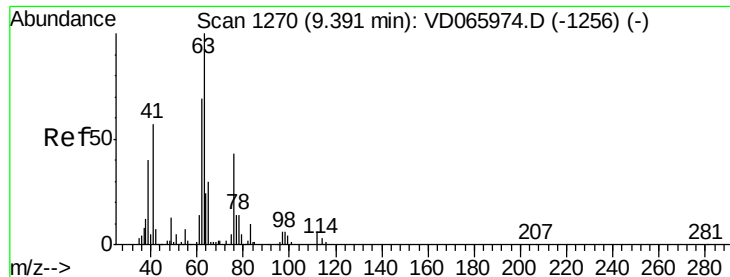
130 100

95 83.5 0.0 191.6



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

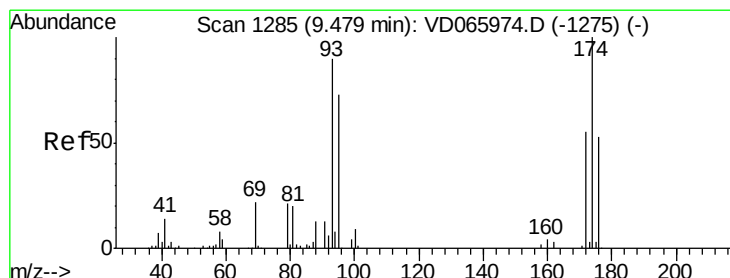
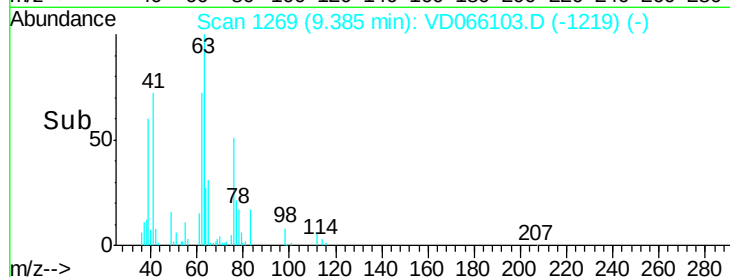
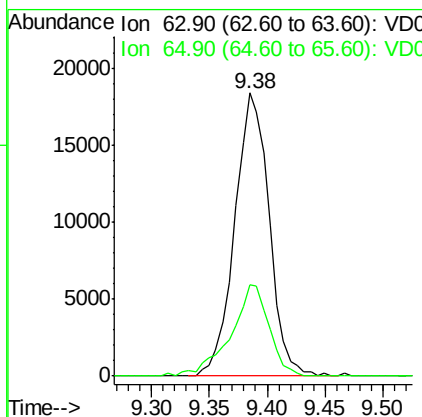
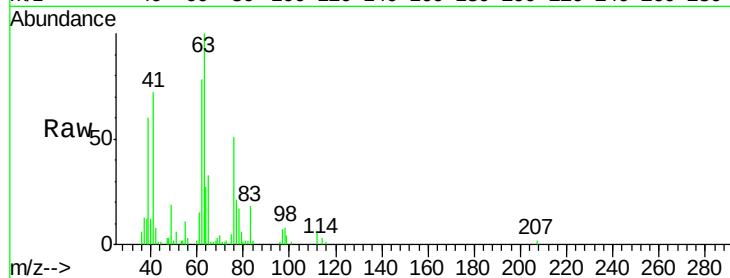




#45
 1,2-Dichloropropane
 Concen: 20.742 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VD066103.D
 Acq: 30 Jul 2020 11:18

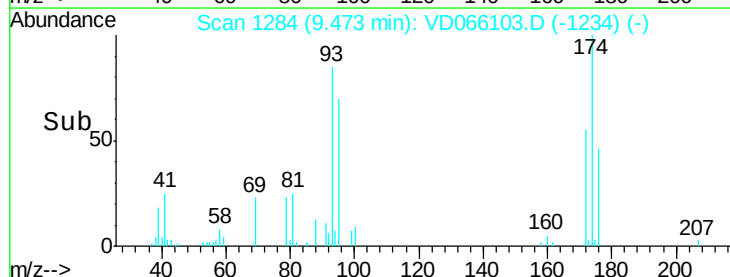
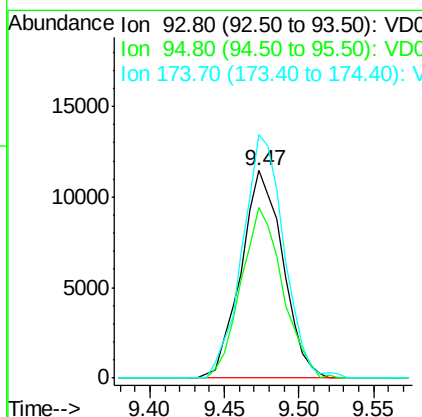
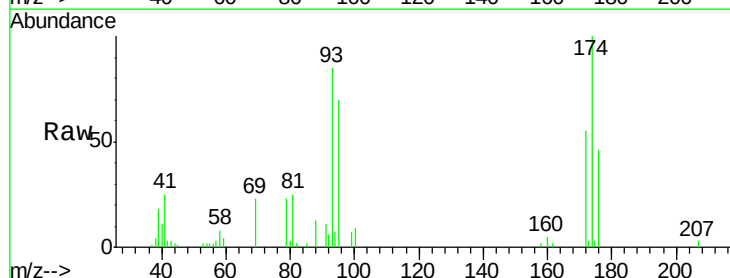
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

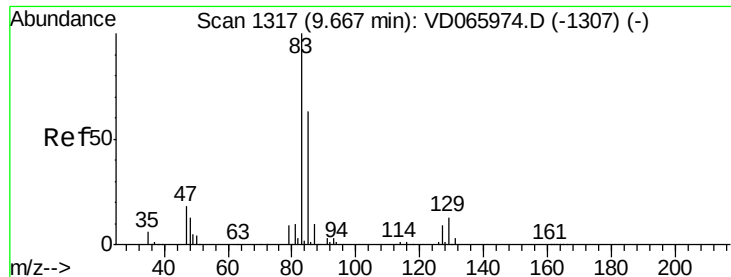
Tot Ion: 63 Resp: 38162
 Ion Ratio Lower Upper
 63 100
 65 32.5 24.0 36.0



#46
 Dibromomethane
 Concen: 22.493 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: VD066103.D
 Acq: 30 Jul 2020 11:18

Tgt Ion: 93 Resp: 22278
 Ion Ratio Lower Upper
 93 100
 95 81.9 66.2 99.4
 174 116.2 91.5 137.3





#47

Bromodichloromethane

Concen: 22.569 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD066103.D

Acq: 30 Jul 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

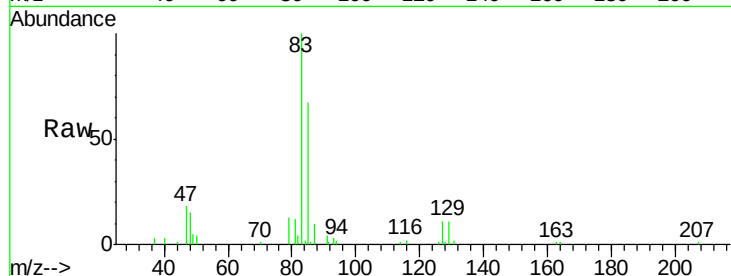
Tot Ion: 83 Resp: 59104

Ion Ratio Lower Upper

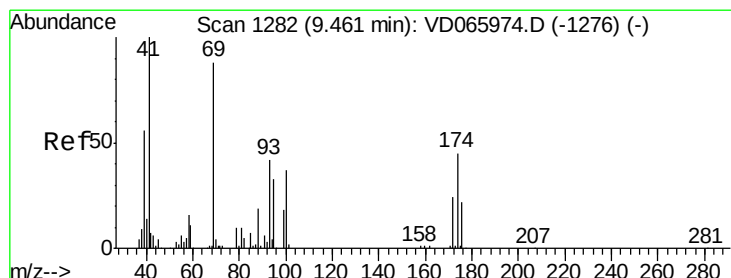
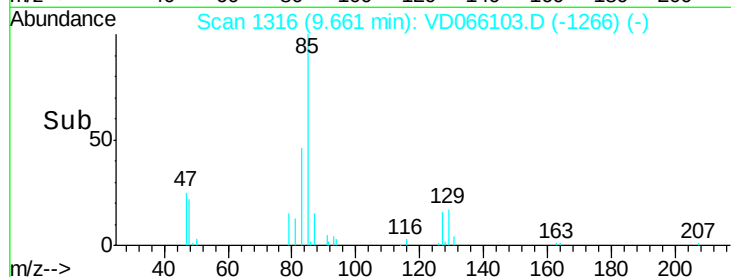
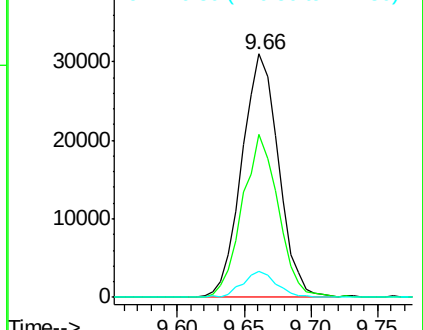
83 100

85 66.9 50.6 75.8

127 10.6 7.1 10.7



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



#48

Methyl methacrylate

Concen: 18.545 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD066103.D

Acq: 30 Jul 2020 11:18

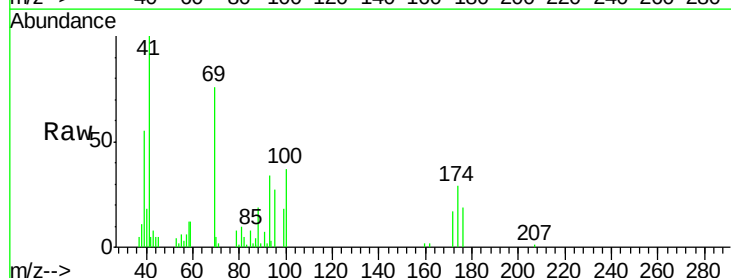
Tgt Ion: 41 Resp: 18946

Ion Ratio Lower Upper

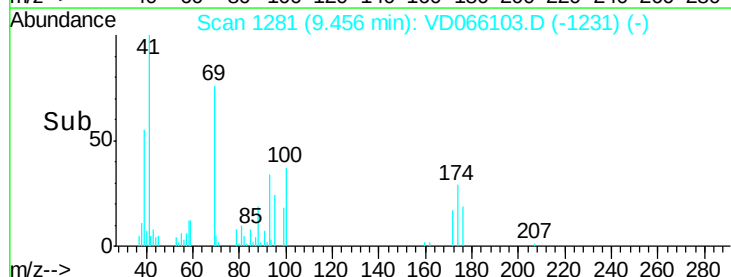
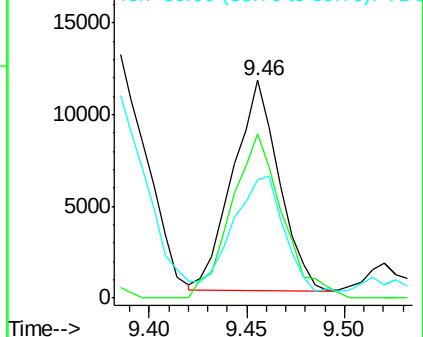
41 100

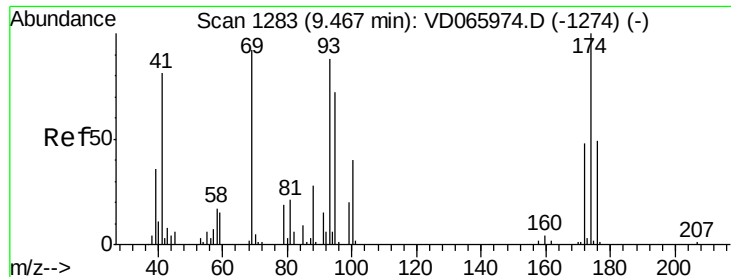
69 85.4 65.1 97.7

39 67.0 41.5 62.3#



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

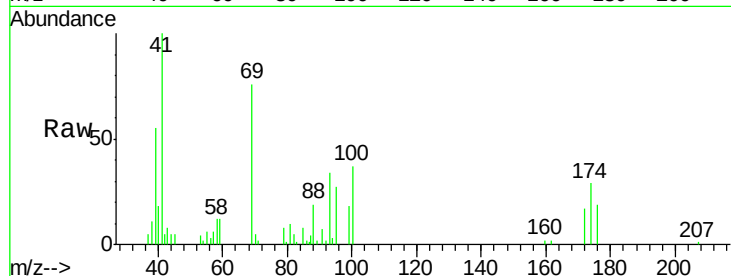




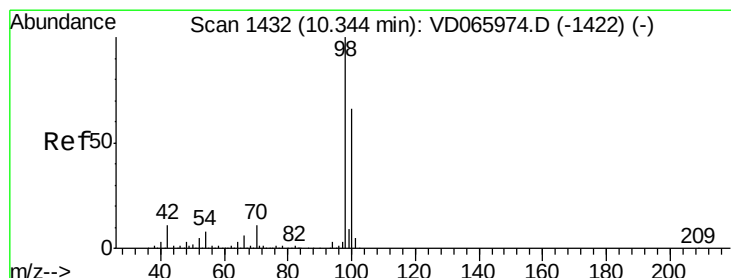
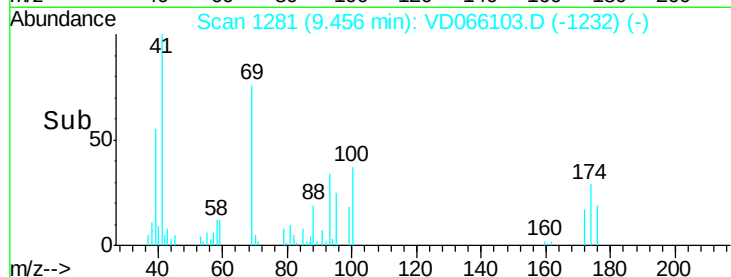
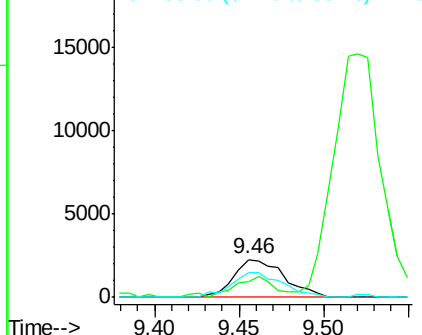
#49
1,4-Dioxane
Concen: 403.933 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

Tot Ion: 88 Resp: 4635
Ion Ratio Lower Upper
88 100
43 43.3 29.0 43.6
58 68.0 57.0 85.4

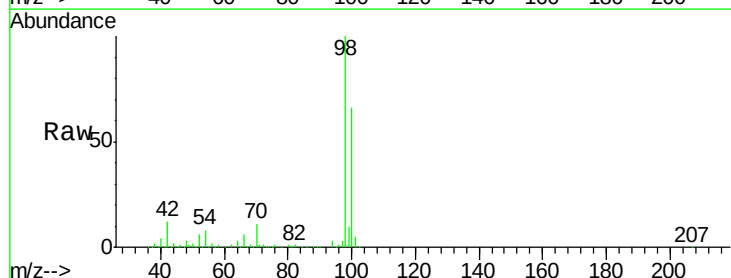


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

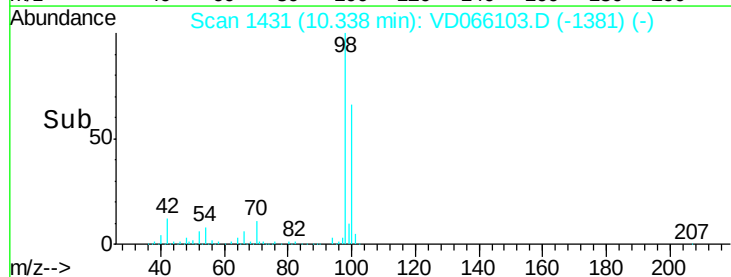
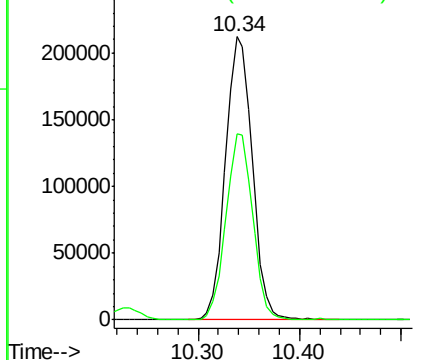


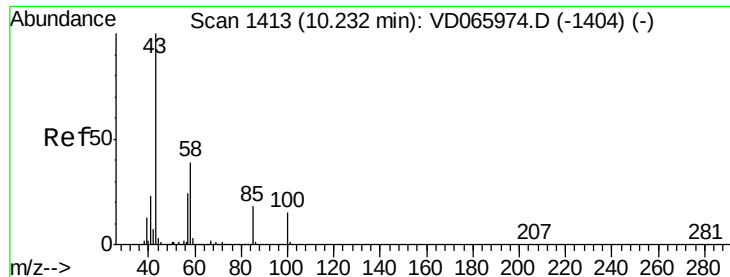
#50
Toluene-d8
Concen: 54.178 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

Tgt Ion: 98 Resp: 389467
Ion Ratio Lower Upper
98 100
100 65.6 52.7 79.1



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: 93.906 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD066103.D

Acq: 30 Jul 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

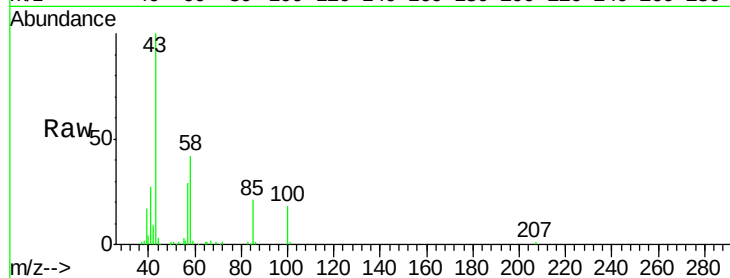
VD0730SBS01

Tot Ion: 43 Resp: 95831

Ion Ratio Lower Upper

43 100

58 41.1 31.3 46.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

60000

50000

40000

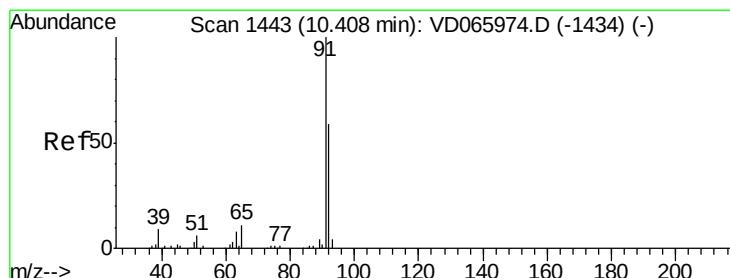
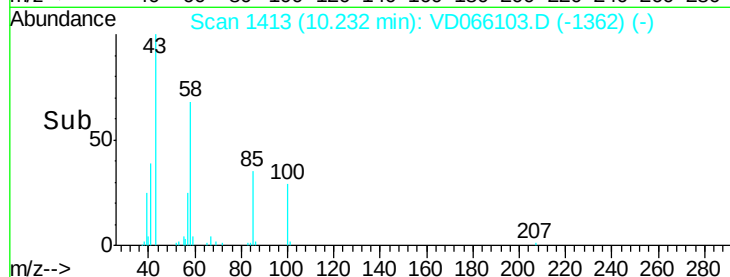
30000

20000

10000

0

Time-->



#52

Toluene

Concen: 22.774 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD066103.D

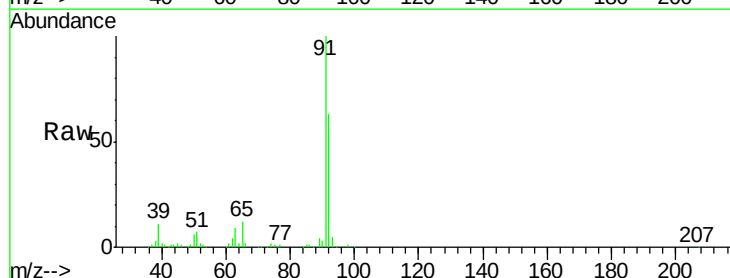
Acq: 30 Jul 2020 11:18

Tgt Ion: 92 Resp: 112822

Ion Ratio Lower Upper

92 100

91 175.0 134.5 201.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

120000

100000

80000

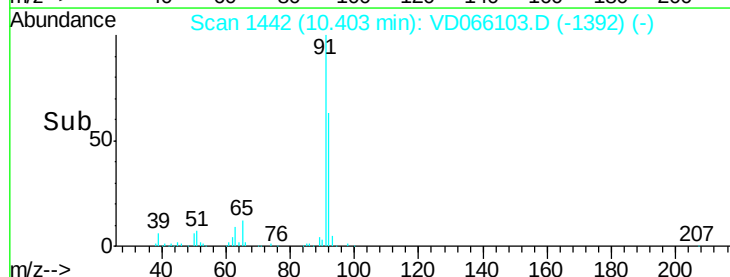
60000

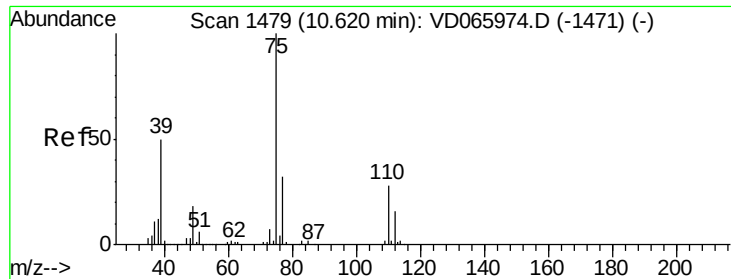
40000

20000

0

Time-->

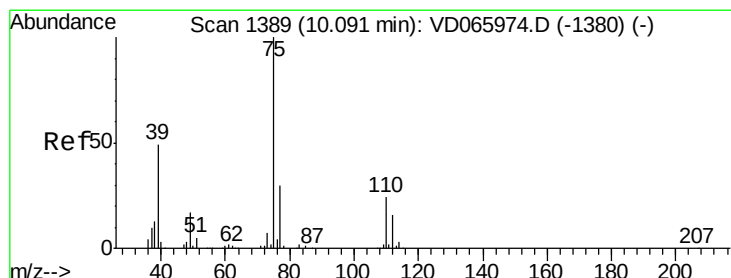
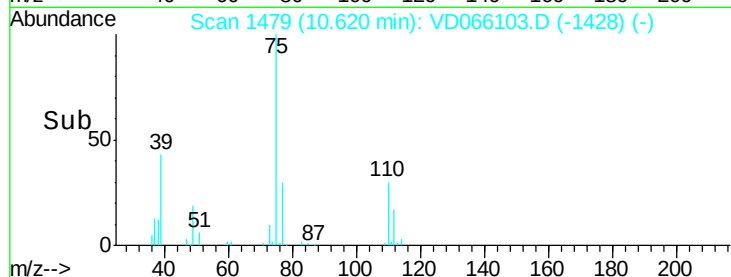
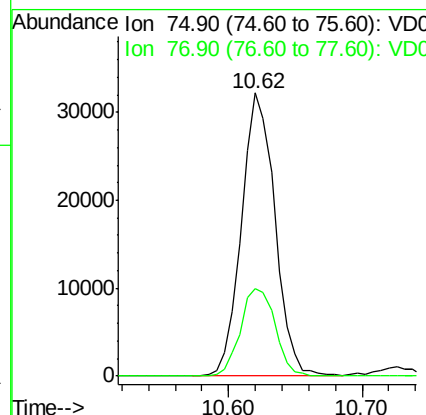
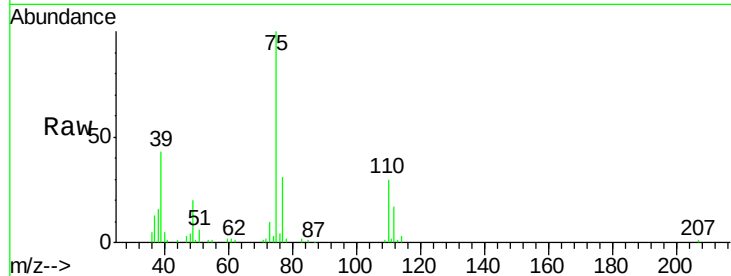




#53
 t-1,3-Dichloropropene
 Concen: 22.927 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD066103.D
 Acq: 30 Jul 2020 11:18

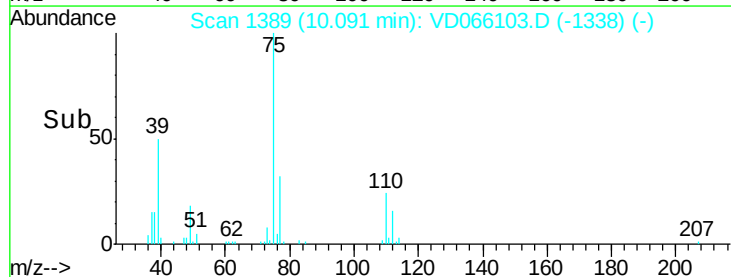
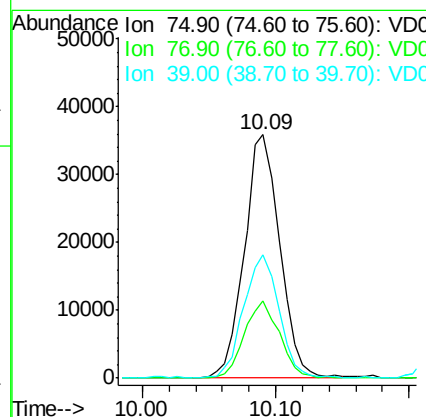
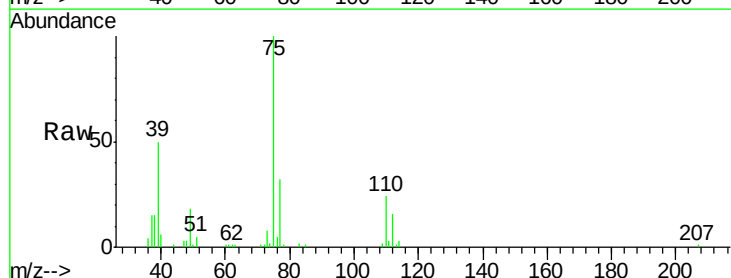
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

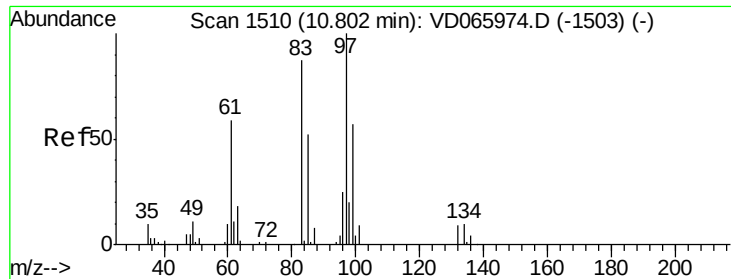
Tot Ion: 75 Resp: 55937
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.8 38.6



#54
 cis-1,3-Dichloropropene
 Concen: 22.216 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD066103.D
 Acq: 30 Jul 2020 11:18

Tgt Ion: 75 Resp: 65702
 Ion Ratio Lower Upper
 75 100
 77 31.8 23.8 35.8
 39 50.5 38.8 58.2

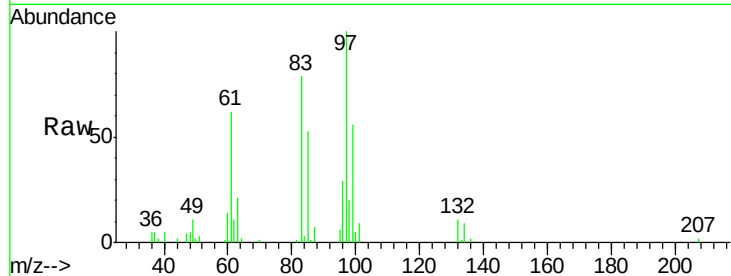




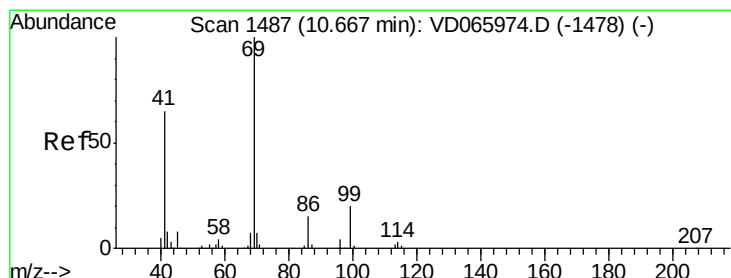
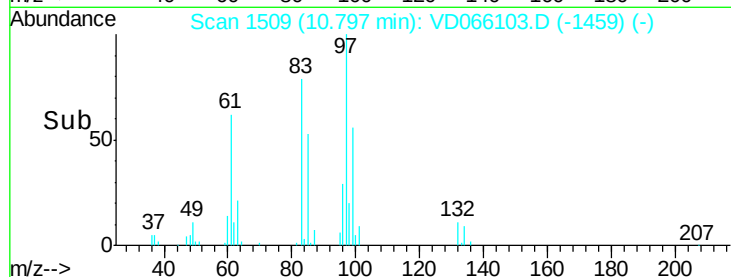
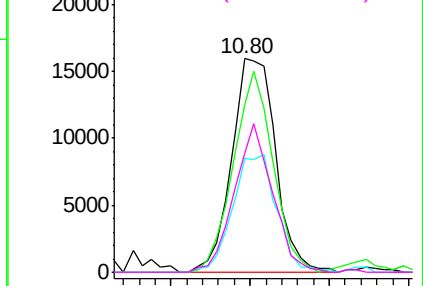
#55
 1,1,2-Trichloroethane
 Concen: 21.752 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066103.D
 Acq: 30 Jul 2020 11:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

Tot Ion:	97	Resp:	30555
Ion	Ratio	Lower	Upper
97	100		
83	78.6	69.7	104.5
85	53.2	41.6	62.4
99	55.8	45.9	68.9

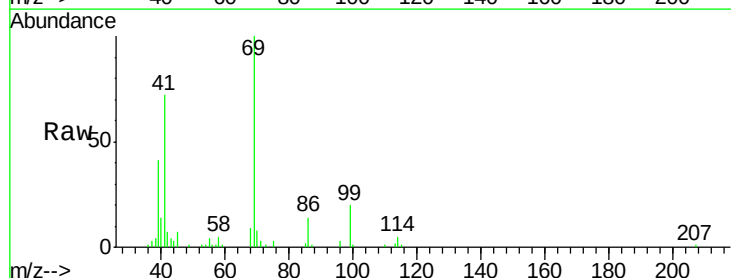


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

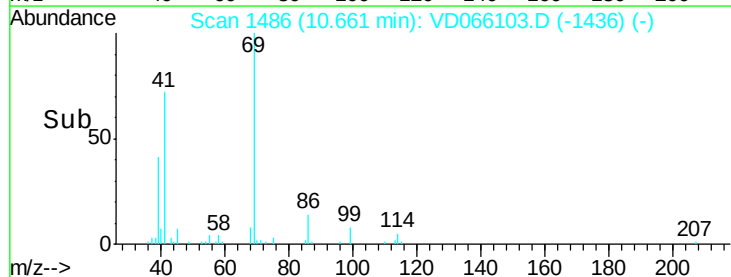
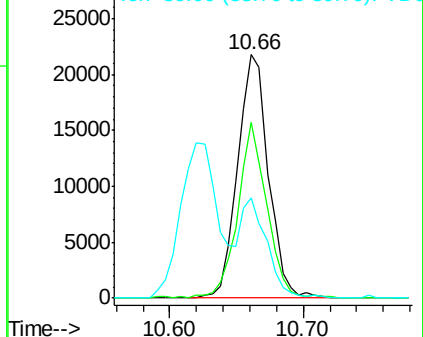


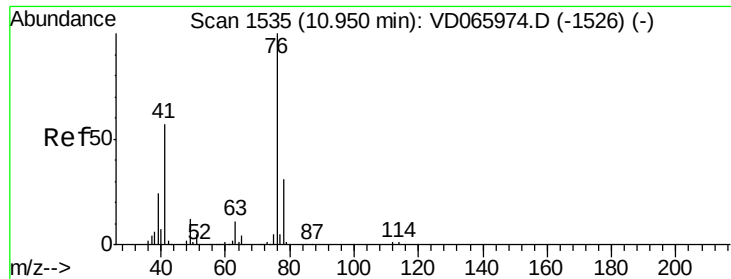
#56
 Ethyl methacrylate
 Concen: 21.273 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD066103.D
 Acq: 30 Jul 2020 11:18

Tgt Ion:	69	Resp:	34742
Ion	Ratio	Lower	Upper
69	100		
41	67.9	52.3	78.5
39	33.8	25.2	37.8



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

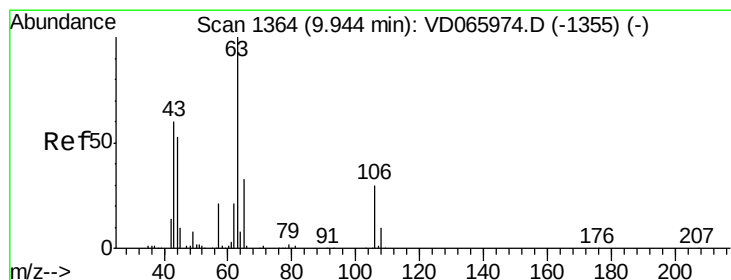
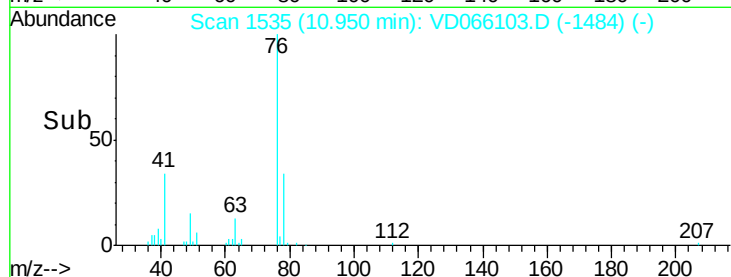
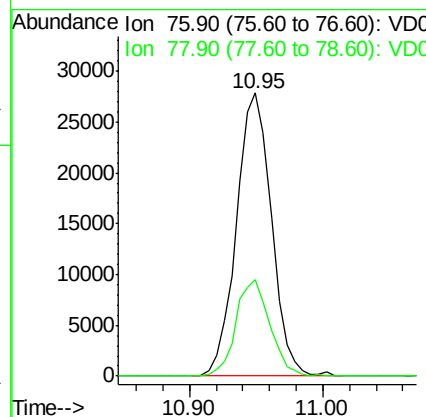
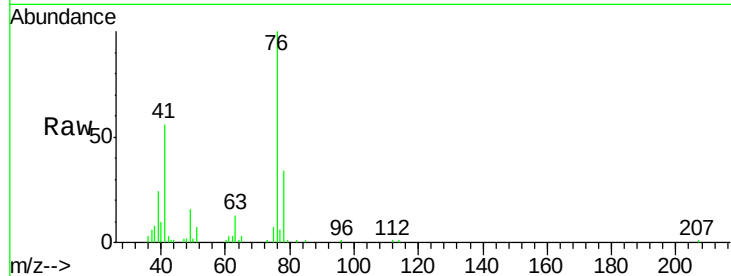




#57
 1,3-Dichloropropane
 Concen: 21.808 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD066103.D
 Acq: 30 Jul 2020 11:18

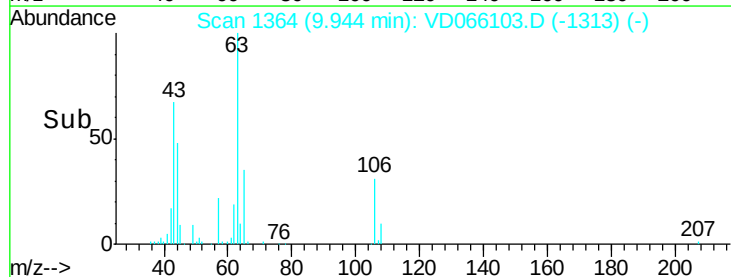
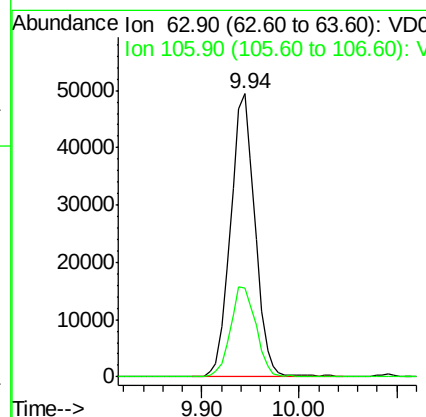
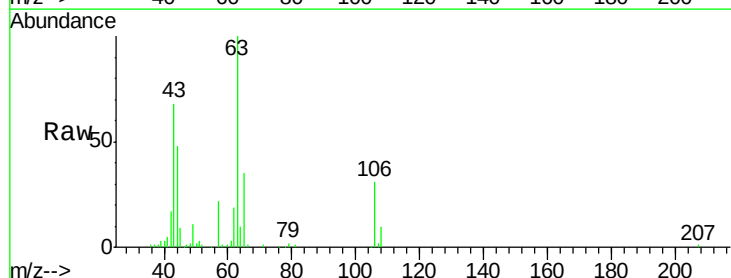
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

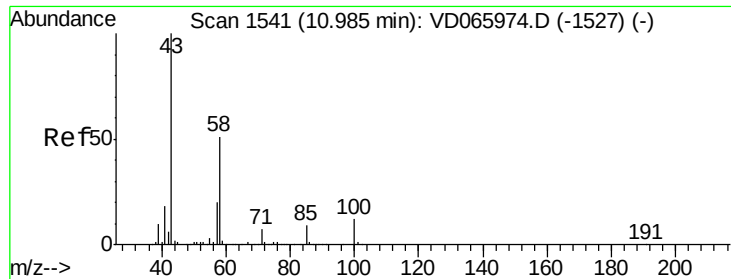
Tot Ion: 76 Resp: 50711
 Ion Ratio Lower Upper
 76 100
 78 33.0 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 110.251 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD066103.D
 Acq: 30 Jul 2020 11:18

Tgt Ion: 63 Resp: 86014
 Ion Ratio Lower Upper
 63 100
 106 33.1 24.4 36.6

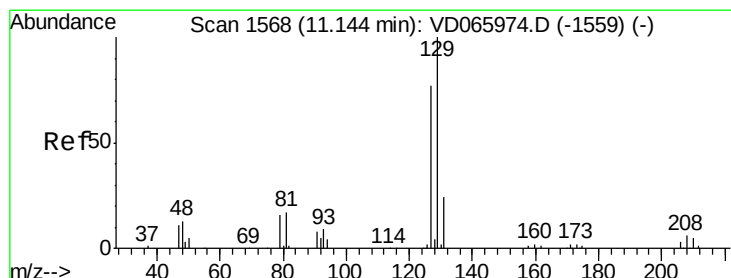
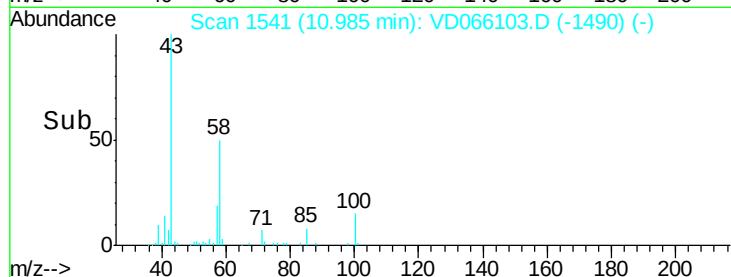
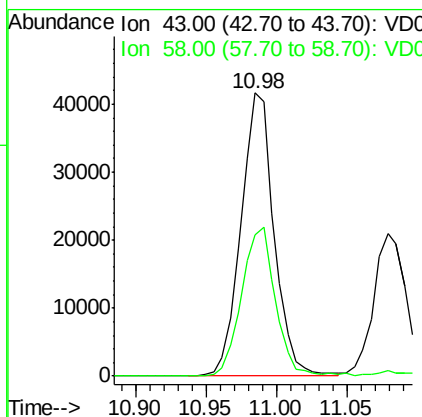
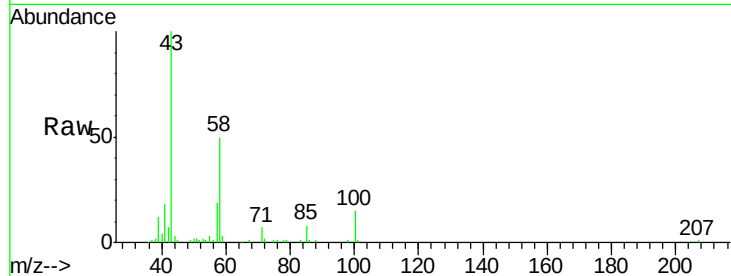




#59
2-Hexanone
Concen: 96.934 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

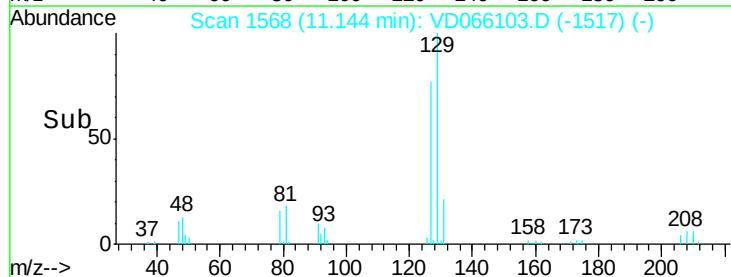
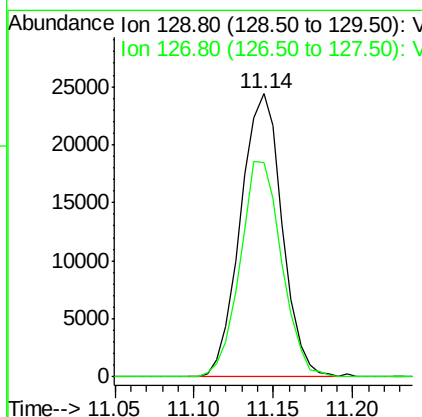
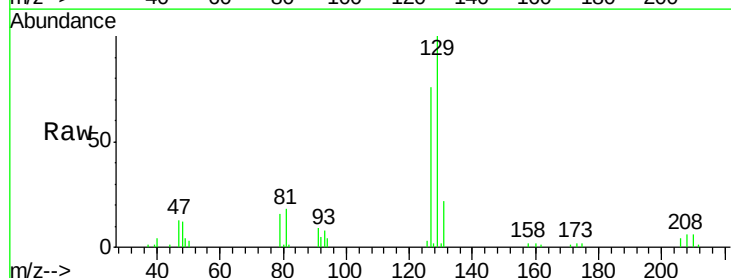
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

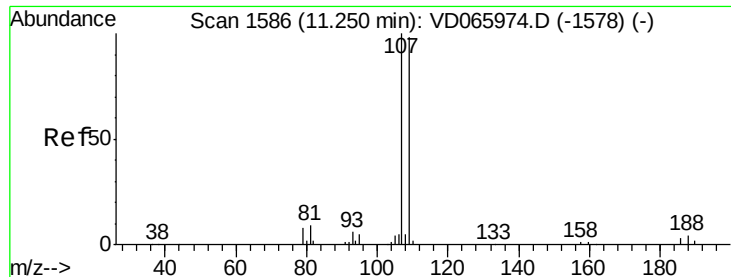
Tot Ion: 43 Resp: 68551
Ion Ratio Lower Upper
43 100
58 53.7 26.2 78.6



#60
Dibromochloromethane
Concen: 23.447 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

Tgt Ion: 129 Resp: 44407
Ion Ratio Lower Upper
129 100
127 76.1 38.6 115.7

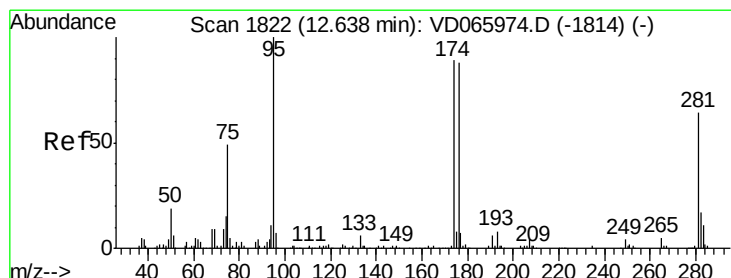
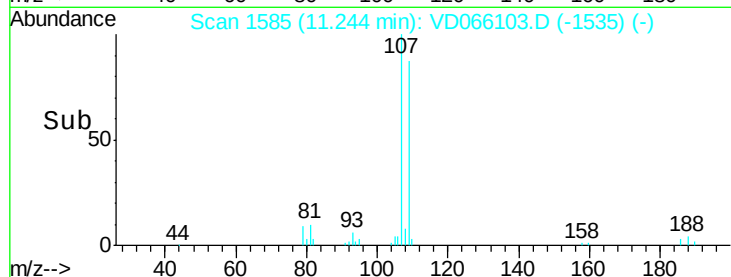
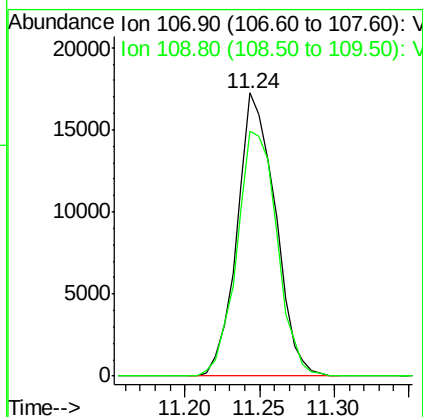
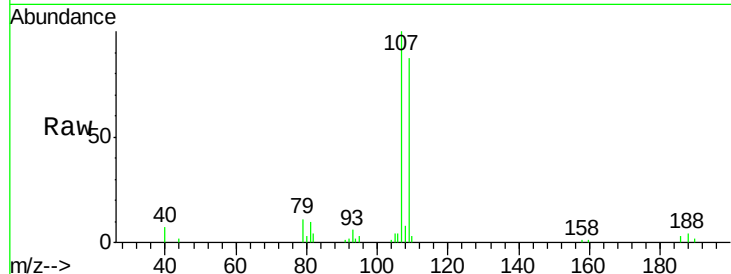




#61
 1,2-Dibromoethane
 Concen: 22.564 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: VD066103.D
 Acq: 30 Jul 2020 11:18

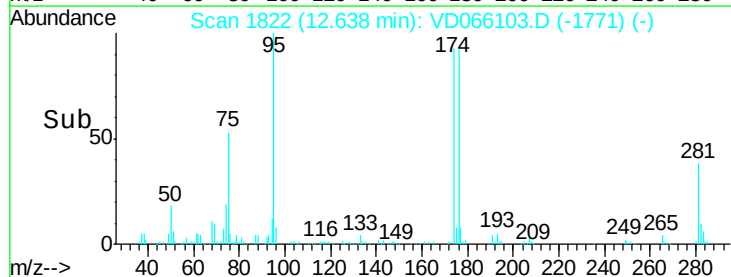
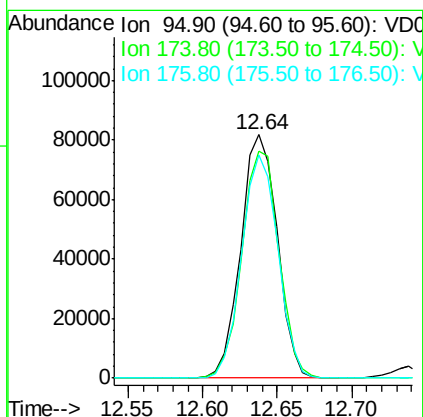
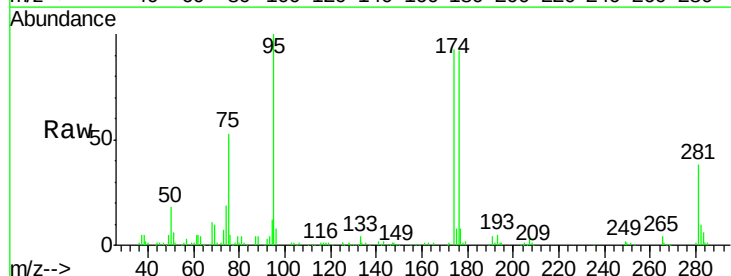
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

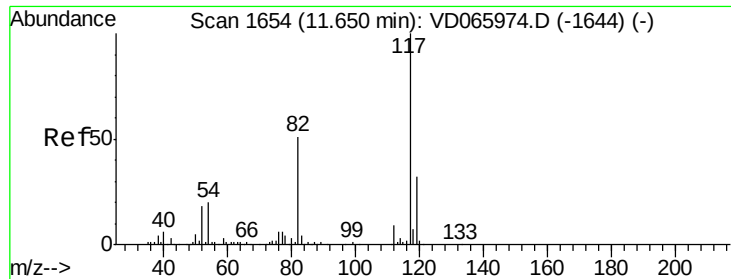
Tot Ion: 107 Resp: 30560
 Ion Ratio Lower Upper
 107 100
 109 90.7 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 55.389 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD066103.D
 Acq: 30 Jul 2020 11:18

Tgt Ion: 95 Resp: 138062
 Ion Ratio Lower Upper
 95 100
 174 94.5 0.0 178.8
 176 91.3 0.0 172.6

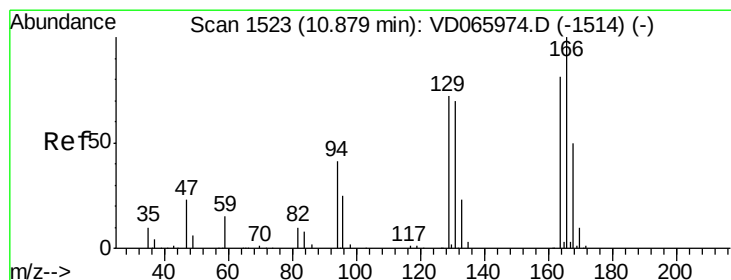
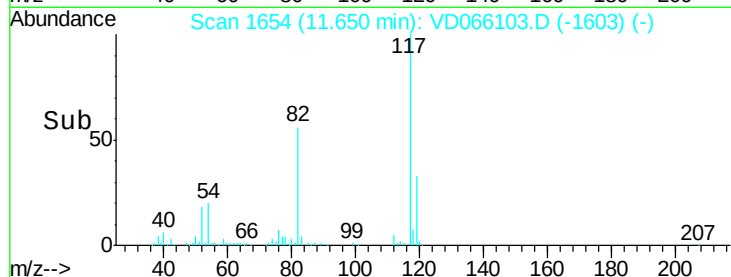
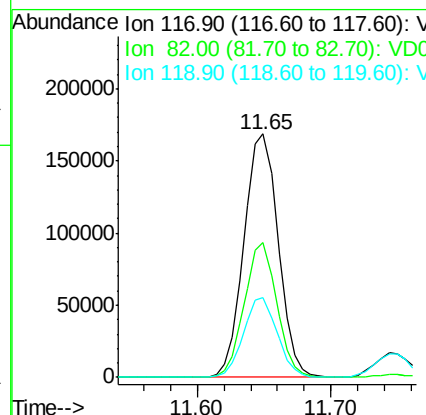
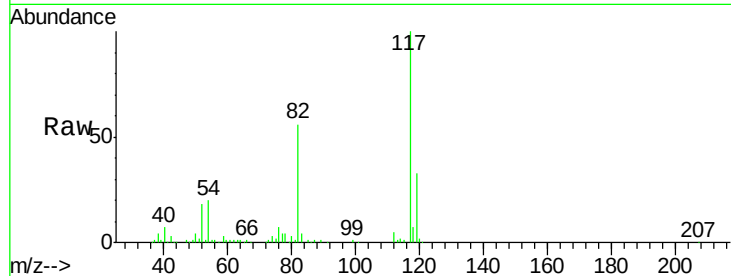




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

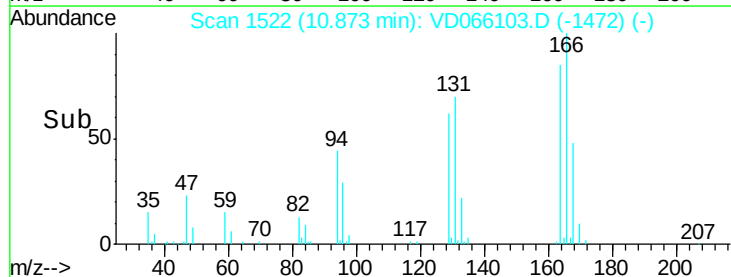
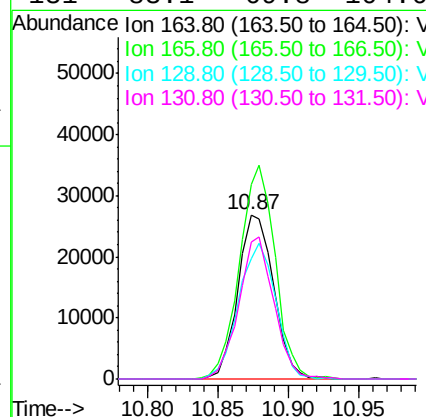
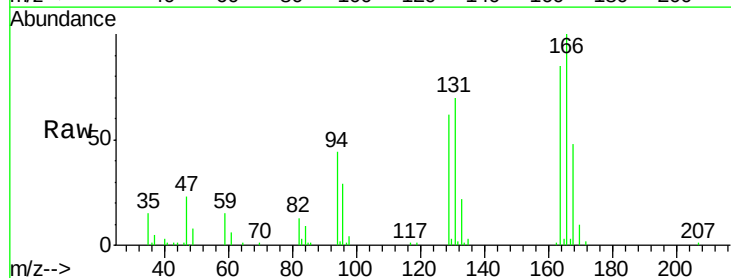
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

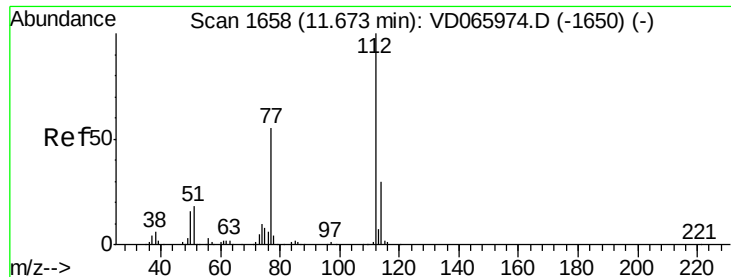
Tot Ion:117 Resp: 300195
Ion Ratio Lower Upper
117 100
82 55.6 41.1 61.7
119 32.7 25.9 38.9



#64
Tetrachloroethene
Concen: 23.377 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

Tgt Ion:164 Resp: 47631
Ion Ratio Lower Upper
164 100
166 118.0 99.1 148.7
129 73.4 71.5 107.3
131 83.1 69.8 104.6

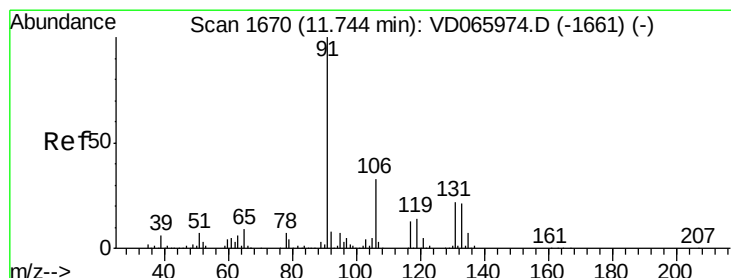
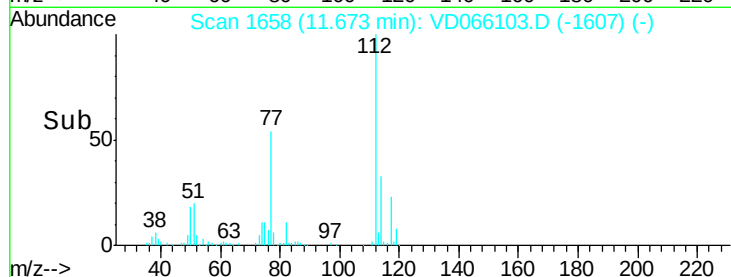
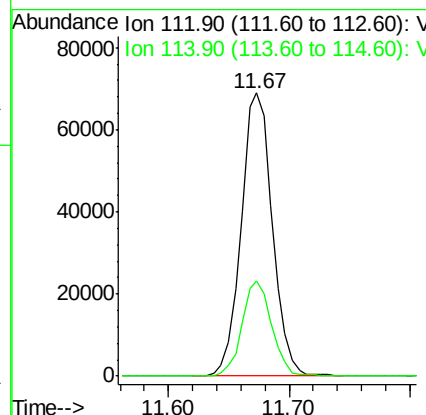
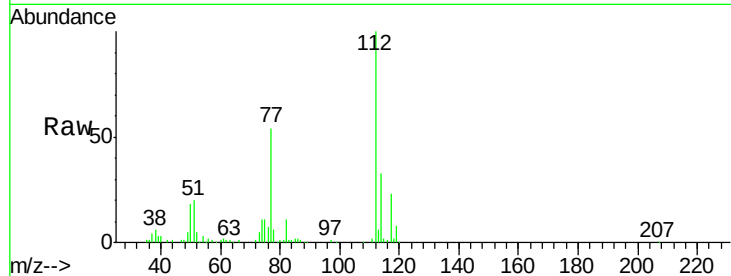




#65
Chlorobenzene
Concen: 22.532 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

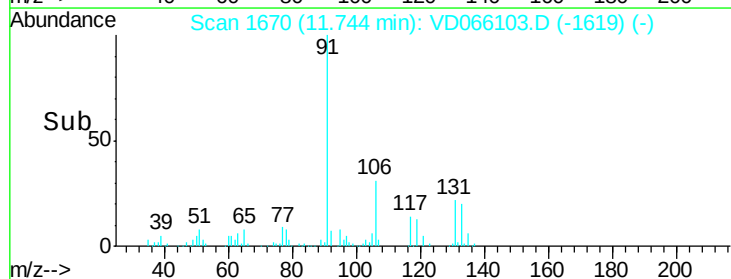
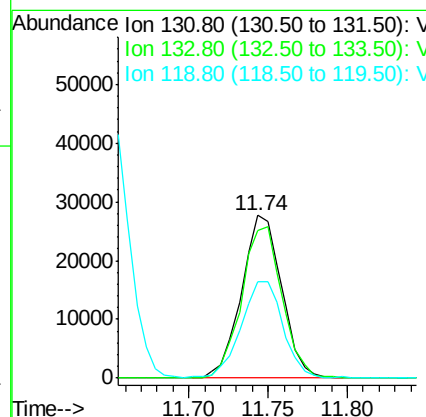
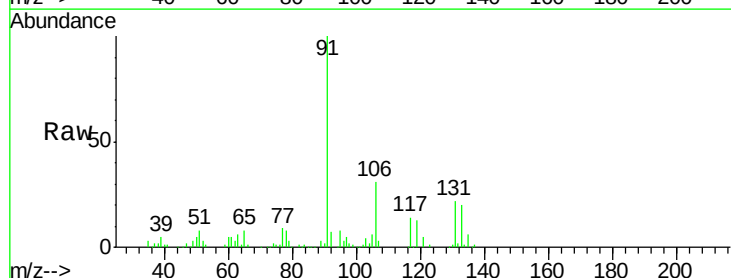
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

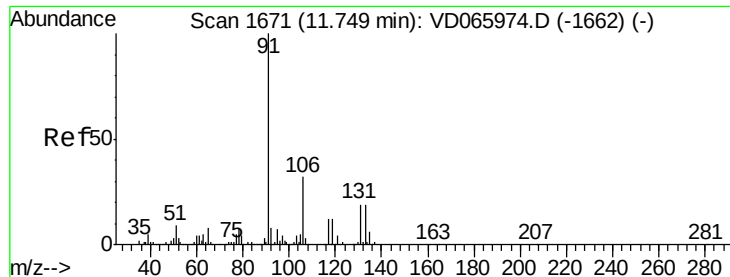
Tot Ion:112 Resp: 123843
Ion Ratio Lower Upper
112 100
114 33.5 24.4 36.6



#66
1,1,1,2-Tetrachloroethane
Concen: 23.969 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

Tgt Ion:131 Resp: 48645
Ion Ratio Lower Upper
131 100
133 93.9 47.3 142.0
119 62.0 31.7 95.1





#67

Ethyl Benzene

Concen: 22.962 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD066103.D

Acq: 30 Jul 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

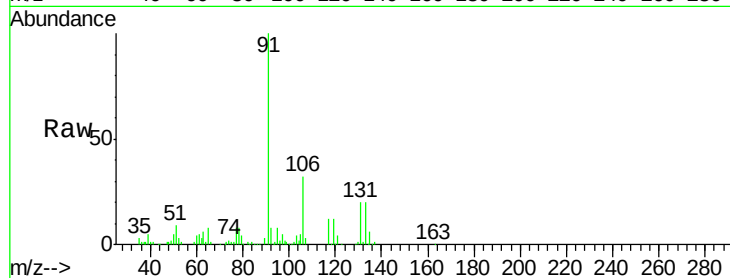
VD0730SBS01

Tot Ion: 91 Resp: 217191

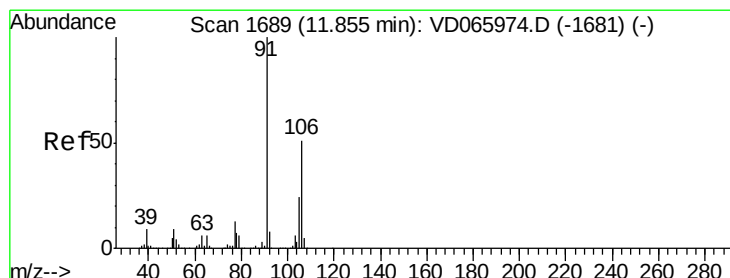
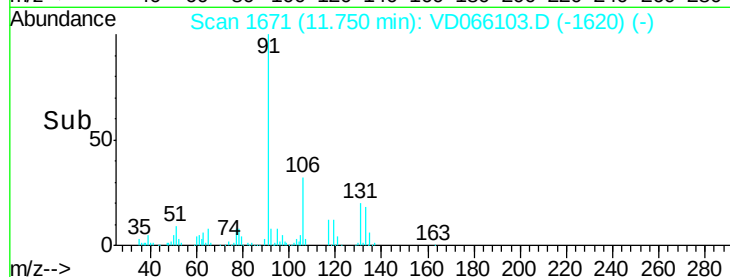
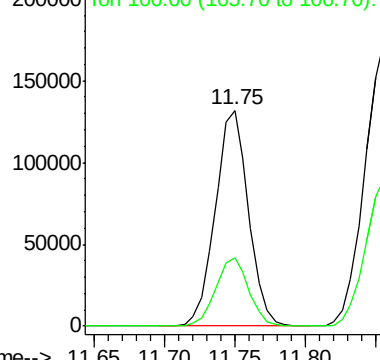
Ion Ratio Lower Upper

91 100

106 31.7 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): VD065974.D (-1662) (-)



#68

m/p-Xylenes

Concen: 47.115 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD066103.D

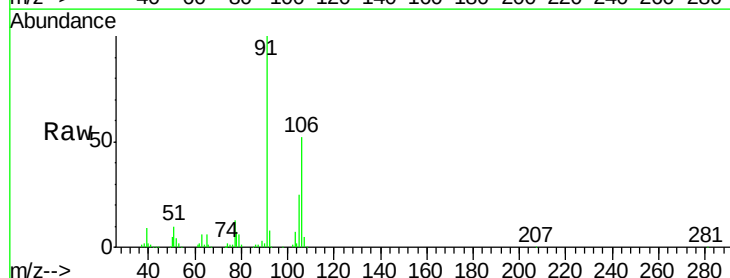
Acq: 30 Jul 2020 11:18

Tgt Ion: 106 Resp: 171290

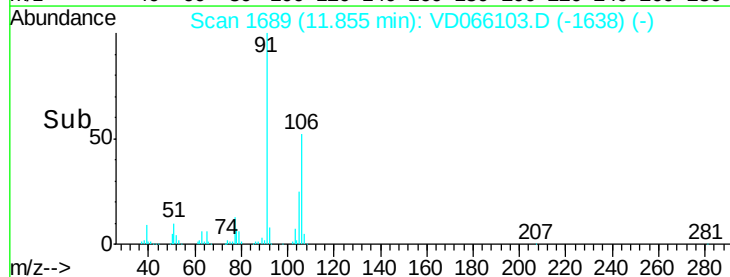
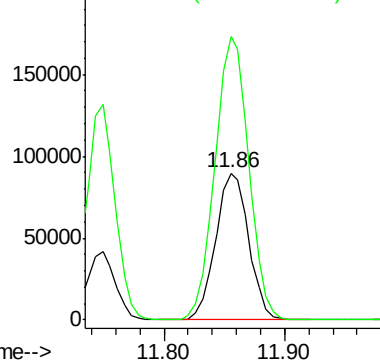
Ion Ratio Lower Upper

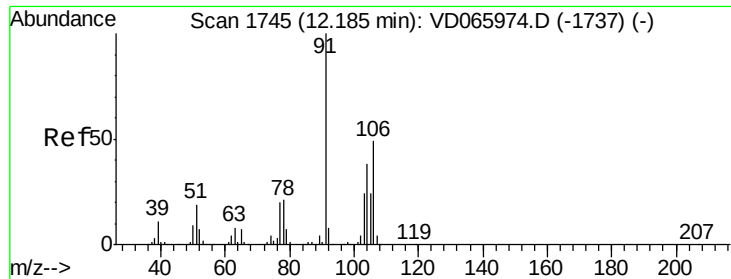
106 100

91 197.1 157.0 235.6



Abundance Ion 106.00 (105.70 to 106.70): VD065974.D (-1681) (-)

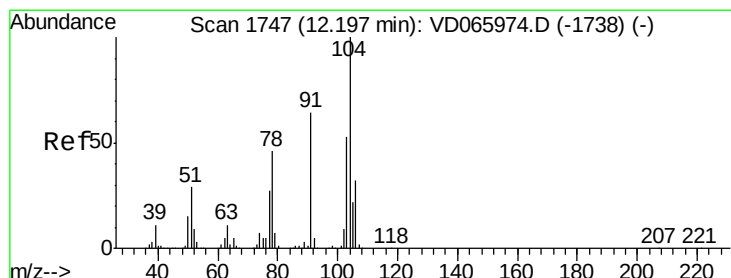
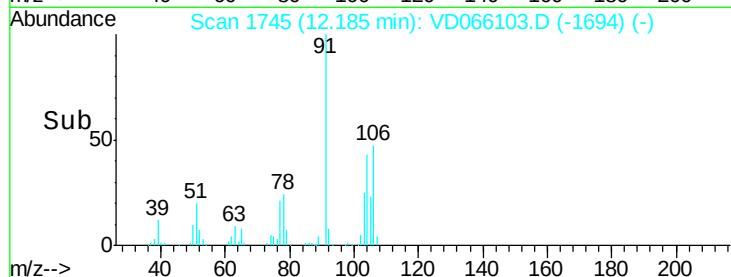
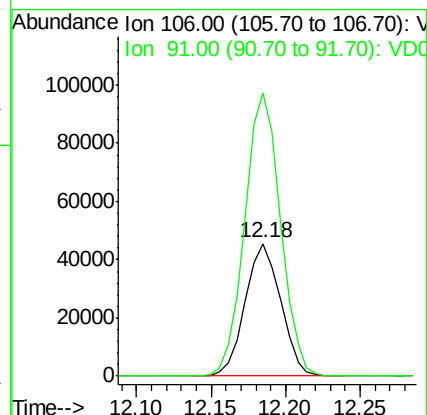
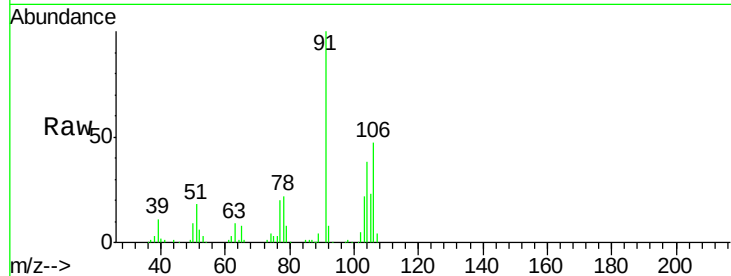




#69
o-Xylene
Concen: 22.652 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

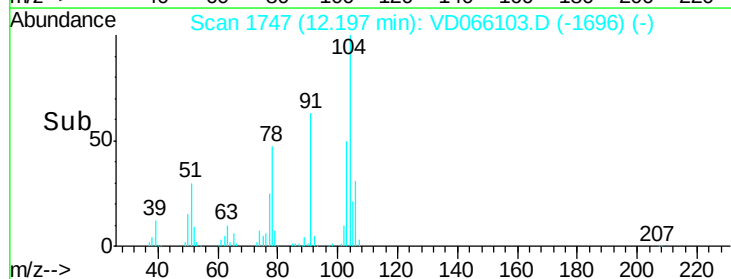
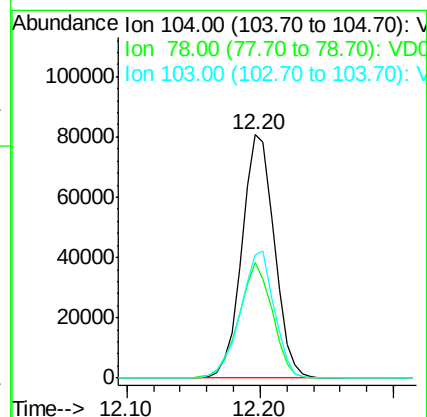
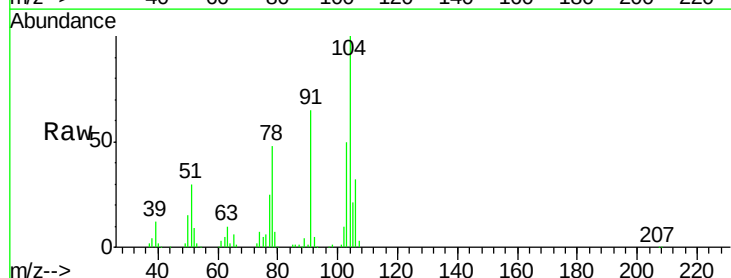
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

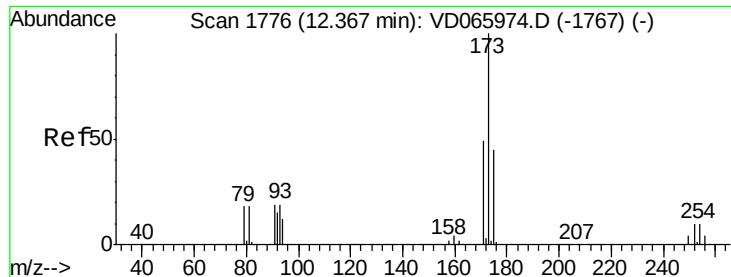
Tot Ion:106 Resp: 74904
Ion Ratio Lower Upper
106 100
91 214.9 103.1 309.3



#70
Styrene
Concen: 23.831 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

Tgt Ion:104 Resp: 135396
Ion Ratio Lower Upper
104 100
78 49.1 38.3 57.5
103 54.5 43.8 65.8

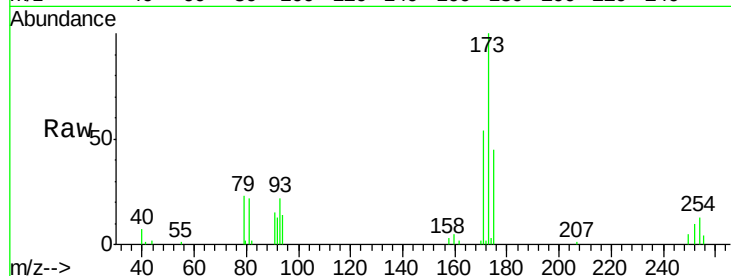




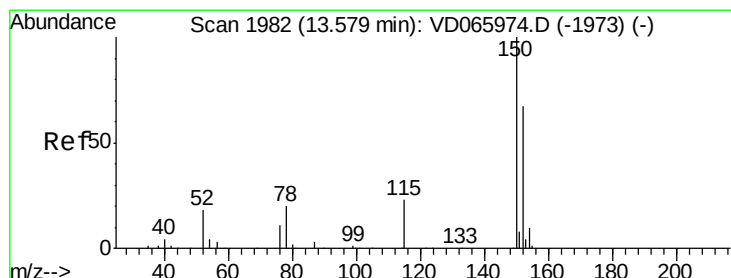
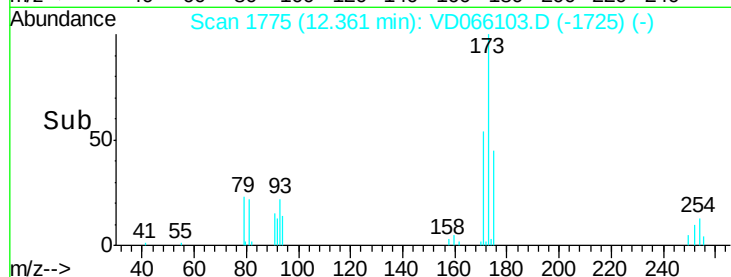
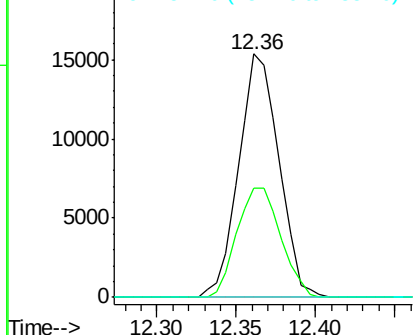
#71
Bromoform
Concen: 22.752 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.01 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

Tot Ion:173 Resp: 27048
Ion Ratio Lower Upper
173 100
175 49.0 24.1 72.3
254 0.0 0.0 0.0

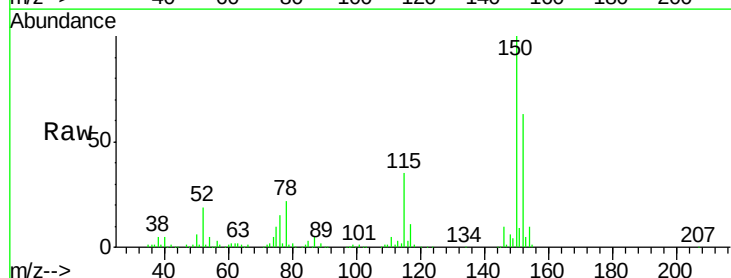


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

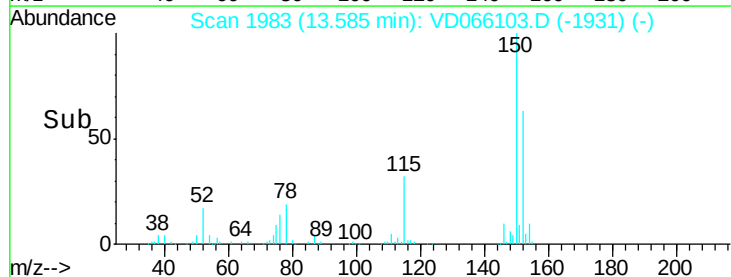
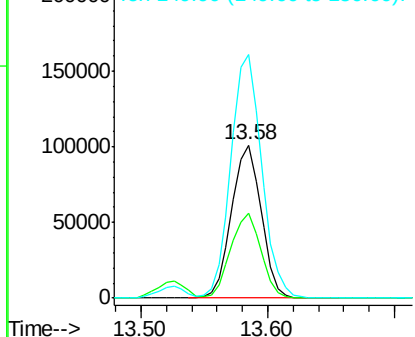


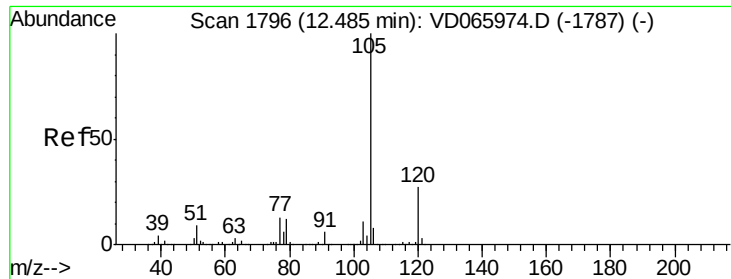
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

Tgt Ion:152 Resp: 162976
Ion Ratio Lower Upper
152 100
115 56.7 27.9 83.7
150 166.1 0.0 348.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.989 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD066103.D

Acq: 30 Jul 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

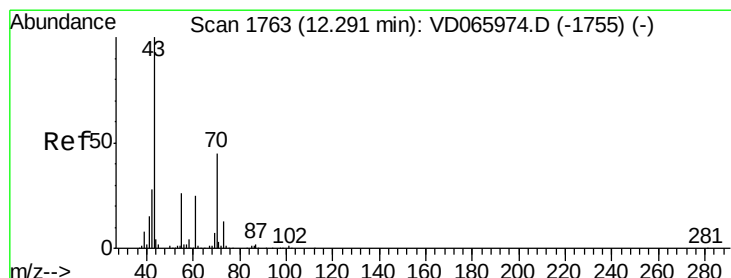
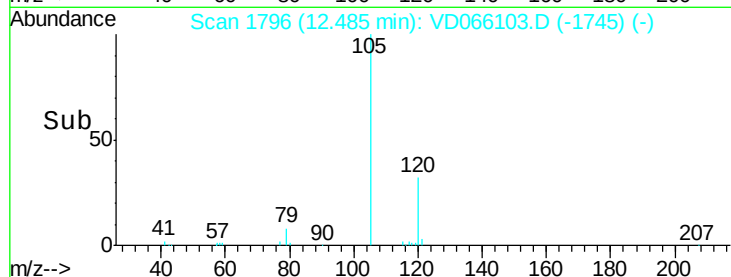
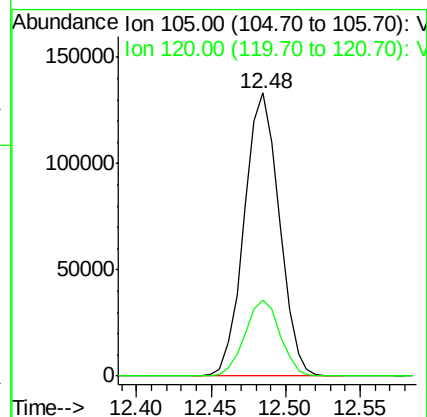
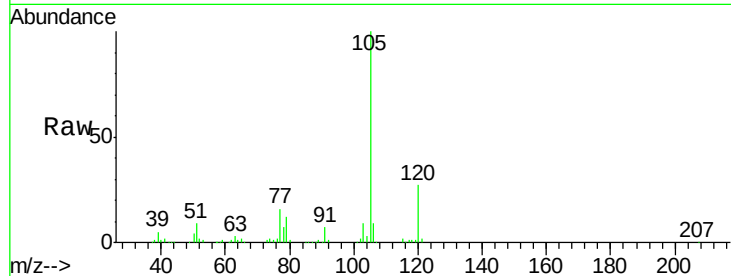
VD0730SBS01

Tot Ion:105 Resp: 216847

Ion Ratio Lower Upper

105 100

120 26.9 13.6 40.8



#74

N-ethyl acetate

Concen: 18.772 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066103.D

Acq: 30 Jul 2020 11:18

Tgt Ion: 43 Resp: 38384

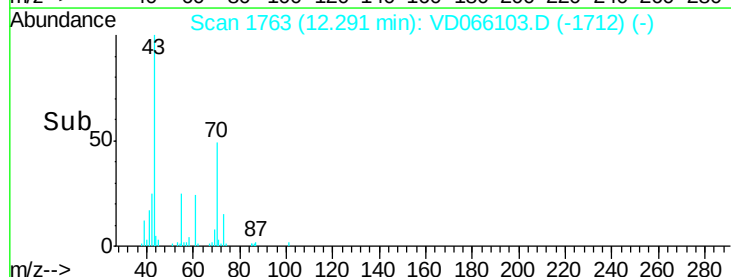
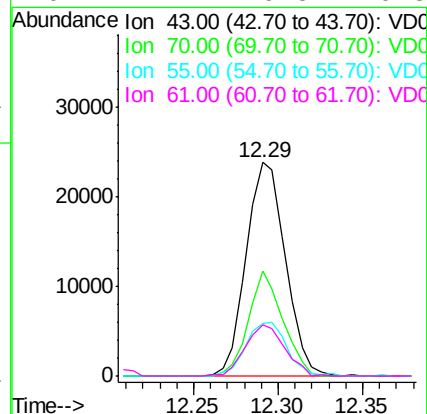
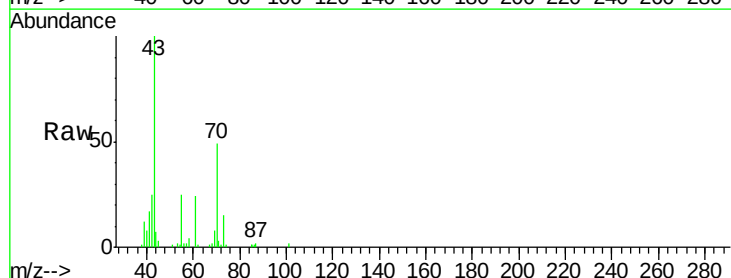
Ion Ratio Lower Upper

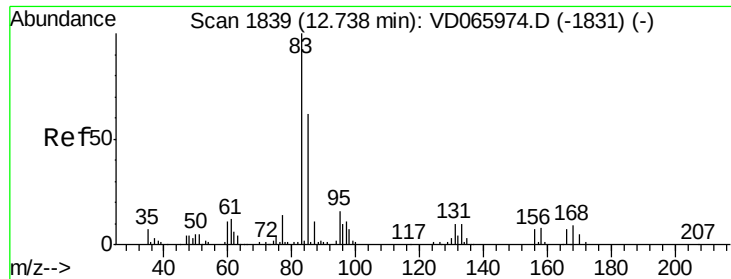
43 100

70 43.2 34.6 51.8

55 26.5 20.3 30.5

61 24.2 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 18.530 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD066103.D

Acq: 30 Jul 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

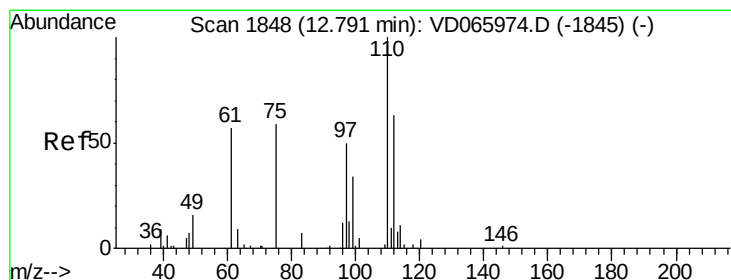
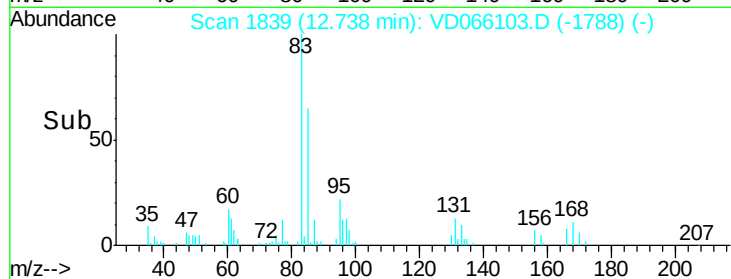
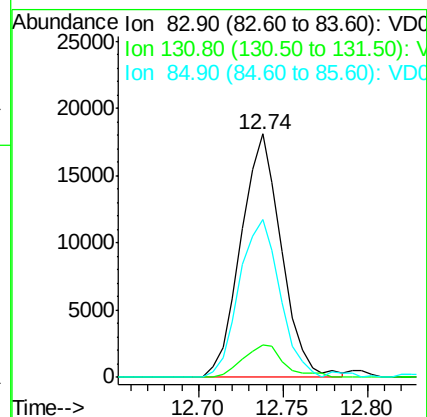
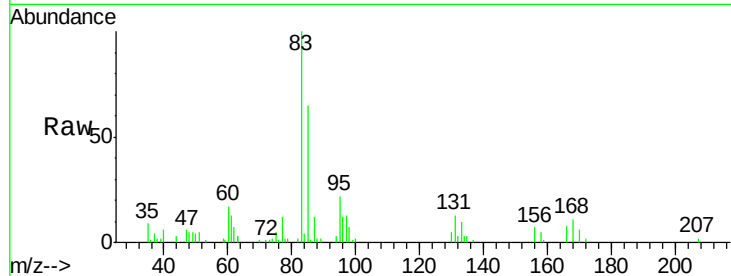
Tot Ion: 83 Resp: 30199

Ion	Ratio	Lower	Upper
83	100		
131	13.6	5.7	17.1
85	64.9	31.9	95.5

83 100

131 13.6 5.7 17.1

85 64.9 31.9 95.5



#76

1,2,3-Trichloropropane

Concen: 35.124 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD066103.D

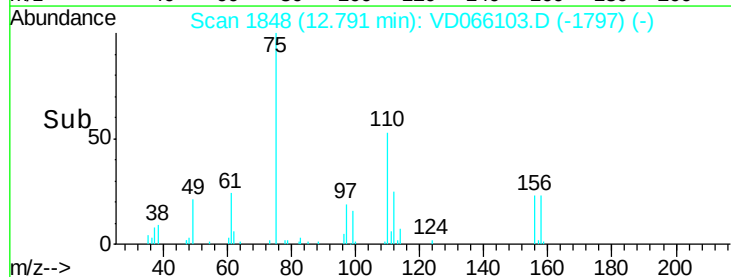
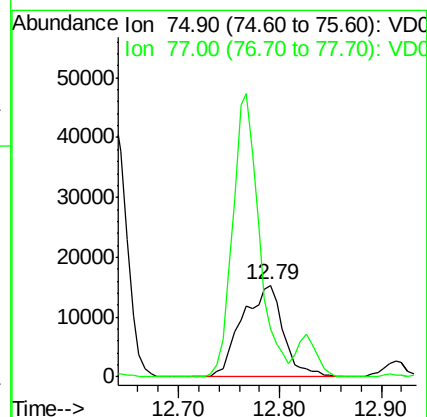
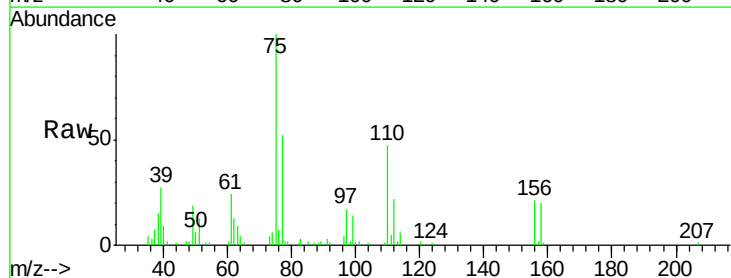
Acq: 30 Jul 2020 11:18

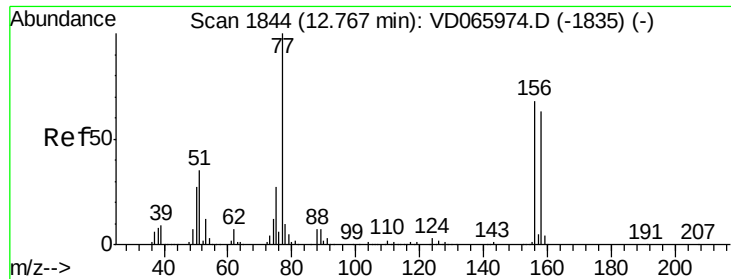
Tgt Ion: 75 Resp: 43102

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

75 100

77 0.0 0.0 0.0

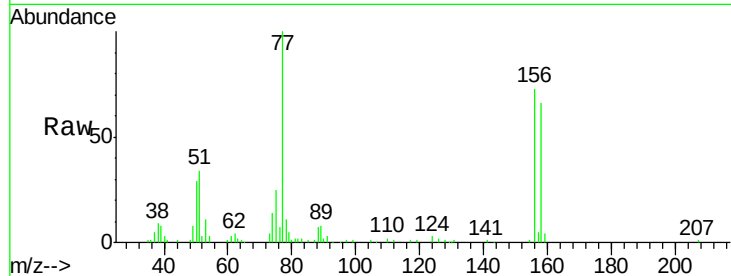




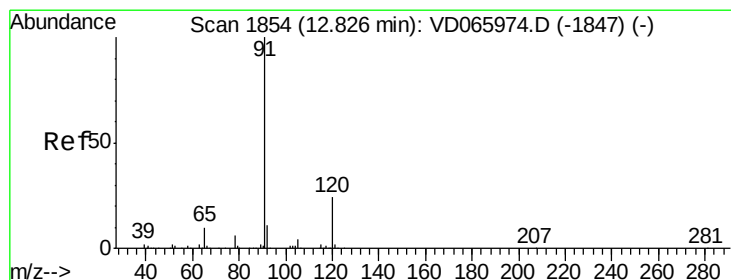
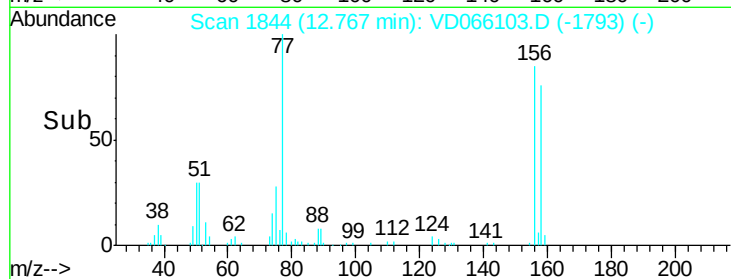
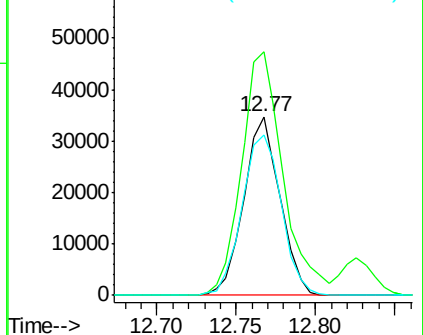
#77
Bromobenzene
Concen: 21.901 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.00 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

Tot Ion:156 Resp: 55197
Ion Ratio Lower Upper
156 100
77 155.8 83.0 249.0
158 97.4 48.2 144.6

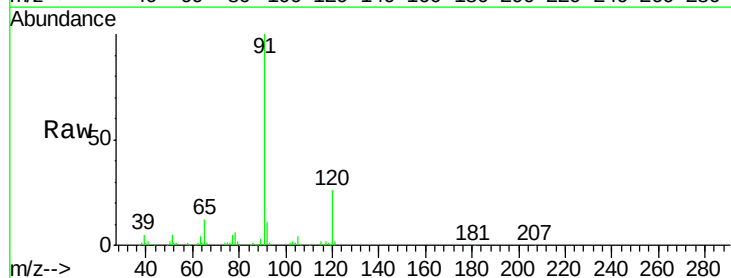


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VDC
Ion 157.80 (157.50 to 158.50): V

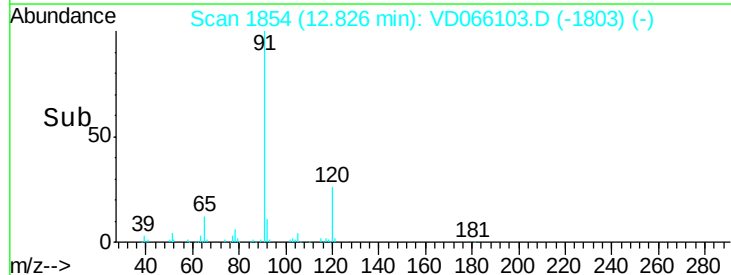
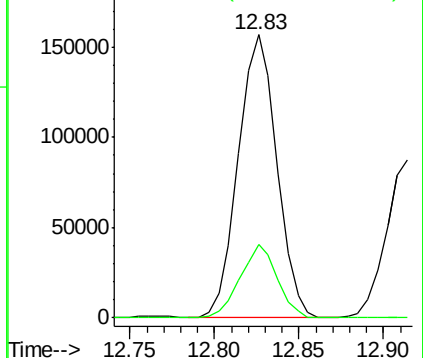


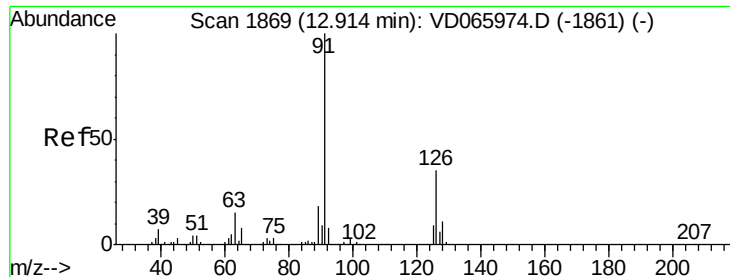
#78
n-propylbenzene
Concen: 21.800 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

Tgt Ion: 91 Resp: 249468
Ion Ratio Lower Upper
91 100
120 24.9 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.938 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD066103.D

Acq: 30 Jul 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

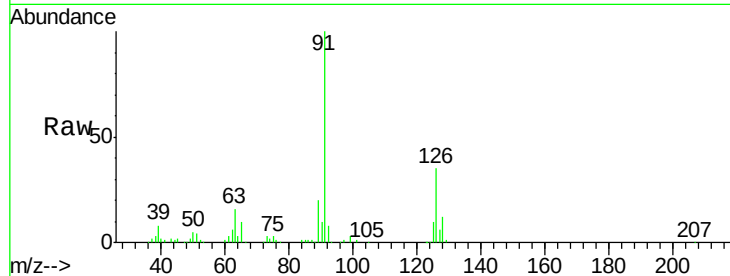
VD0730SBS01

Tot Ion: 91 Resp: 143425

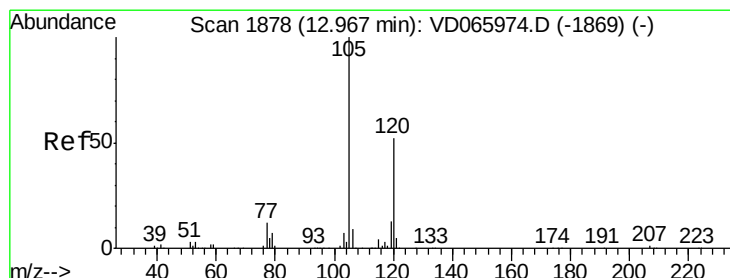
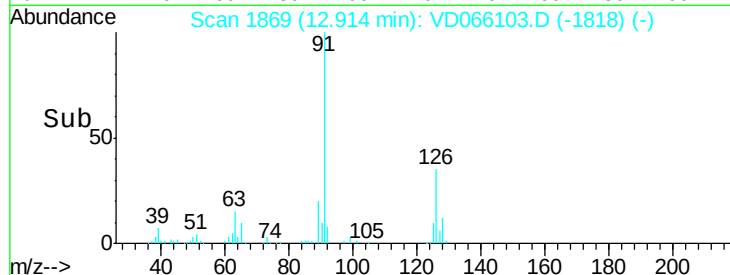
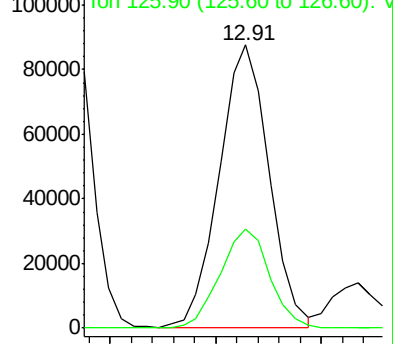
Ion Ratio Lower Upper

91 100

126 34.9 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VD066103.D (-1818) (-)



#80

1,3,5-Trimethylbenzene

Concen: 23.271 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD066103.D

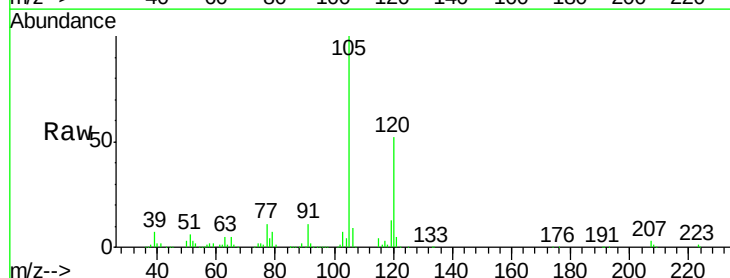
Acq: 30 Jul 2020 11:18

Tgt Ion:105 Resp: 188548

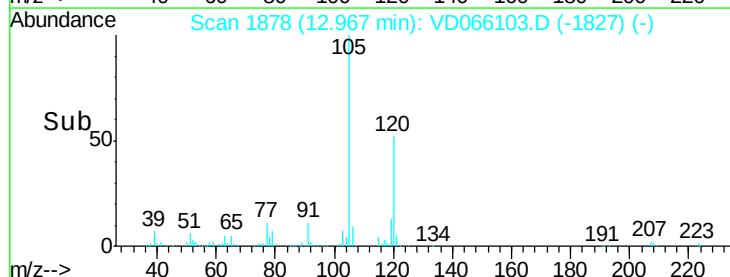
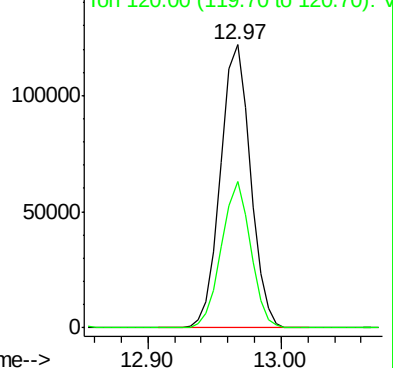
Ion Ratio Lower Upper

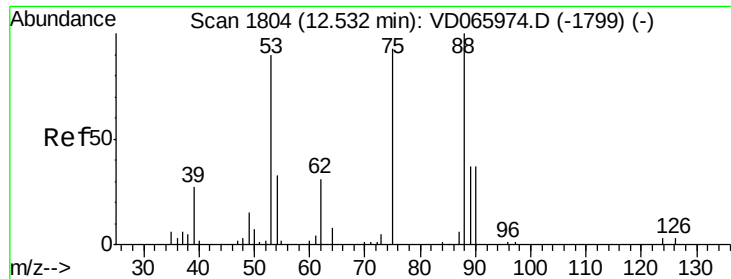
105 100

120 50.2 25.6 76.6



Abundance Ion 105.00 (104.70 to 105.70): VD066103.D (-1827) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.771 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD066103.D

Acq: 30 Jul 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

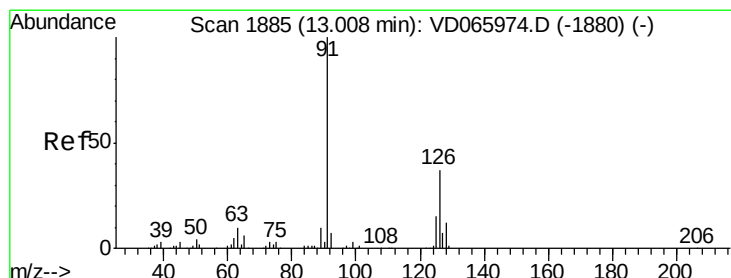
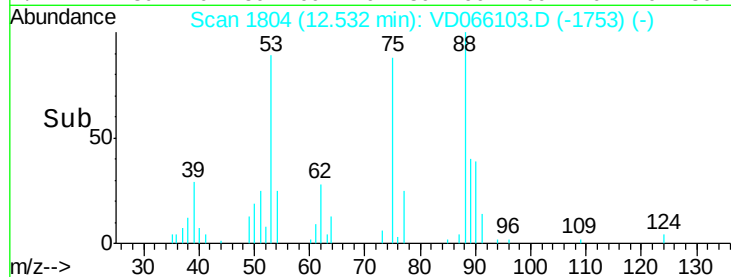
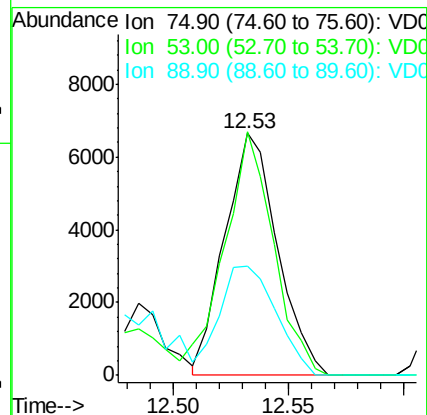
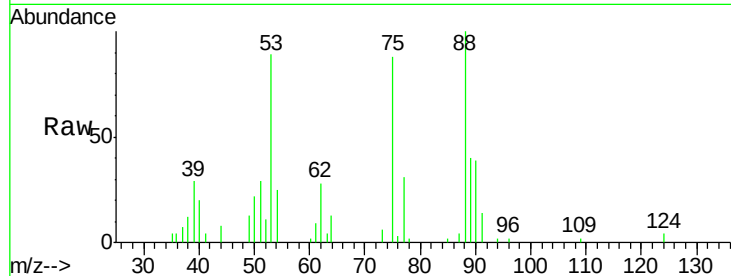
Tot Ion: 75 Resp: 10573

Ion Ratio Lower Upper

75 100

53 93.9 76.8 115.2

89 48.5 37.0 55.4



#82

4-Chlorotoluene

Concen: 22.170 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD066103.D

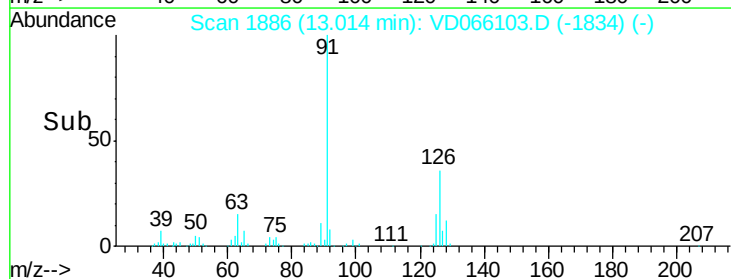
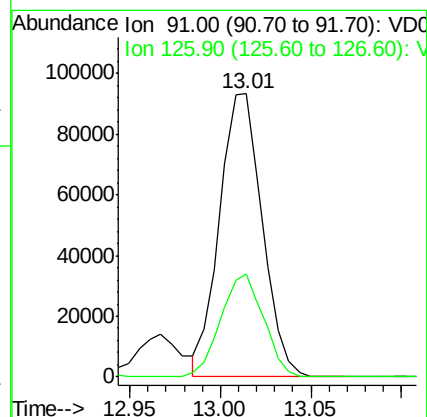
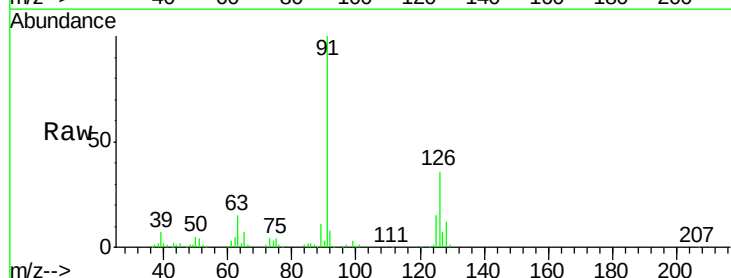
Acq: 30 Jul 2020 11:18

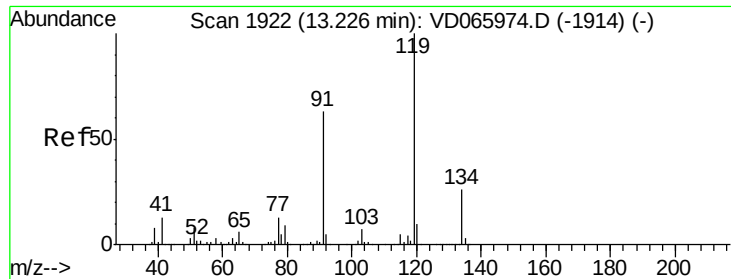
Tgt Ion: 91 Resp: 152989

Ion Ratio Lower Upper

91 100

126 36.3 17.8 53.5

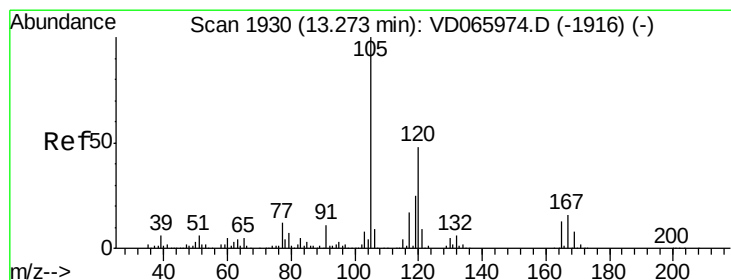
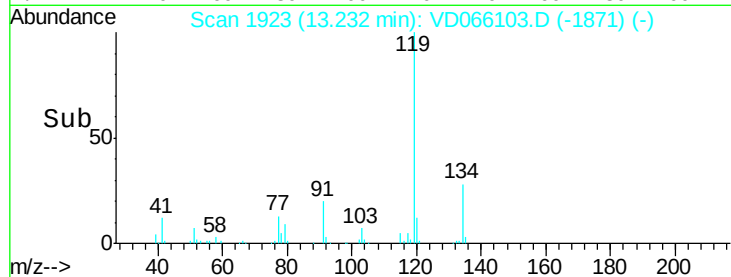
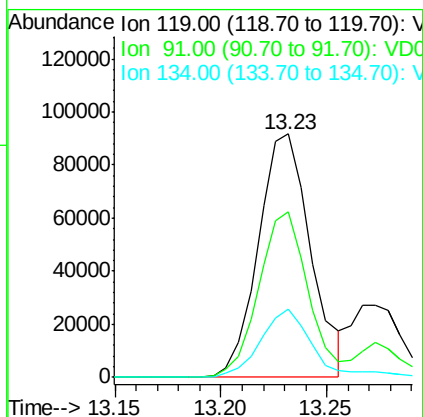
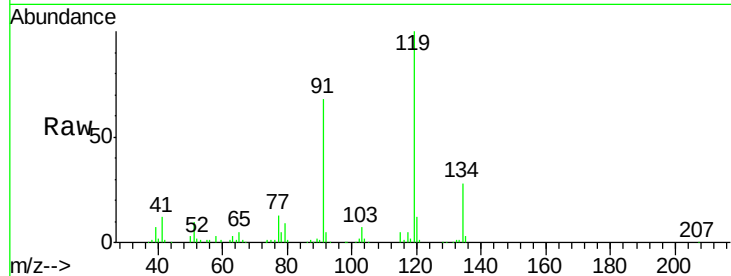




#83
 tert-Butylbenzene
 Concen: 22.339 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VD066103.D
 Acq: 30 Jul 2020 11:18

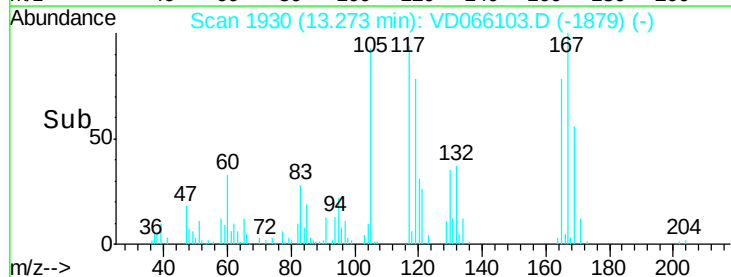
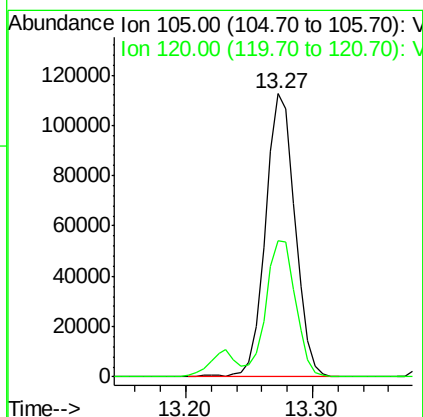
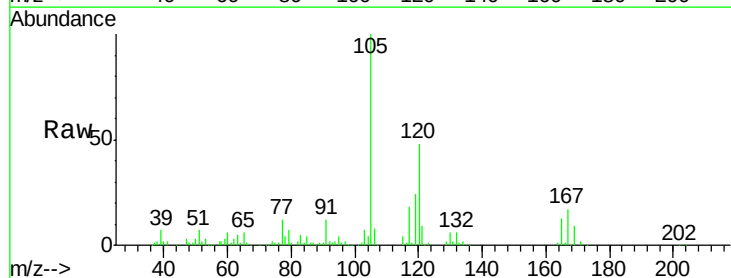
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

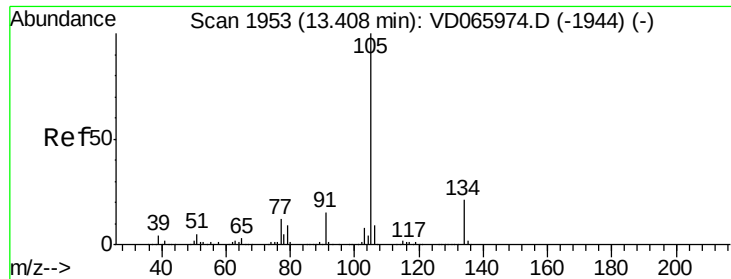
Tot Ion:119 Resp: 158381
 Ion Ratio Lower Upper
 119 100
 91 63.6 30.6 91.6
 134 28.1 13.9 41.7



#84
 1,2,4-Trimethylbenzene
 Concen: 22.825 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD066103.D
 Acq: 30 Jul 2020 11:18

Tgt Ion:105 Resp: 182445
 Ion Ratio Lower Upper
 105 100
 120 48.5 23.9 71.8





#85

sec-Butylbenzene

Concen: 22.426 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD066103.D

Acq: 30 Jul 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

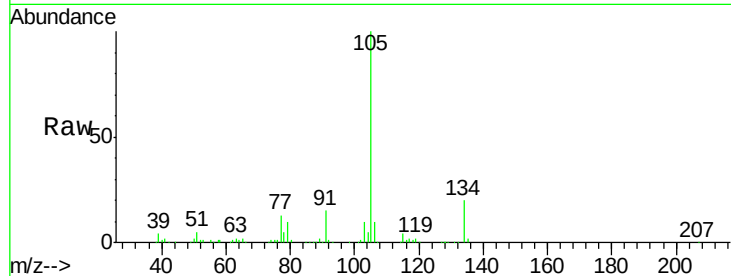
VD0730SBS01

Tot Ion:105 Resp: 219005

Ion Ratio Lower Upper

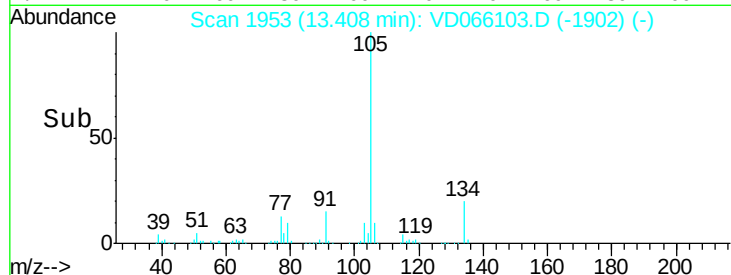
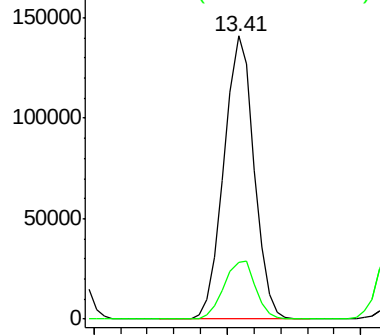
105 100

134 21.5 10.4 31.4

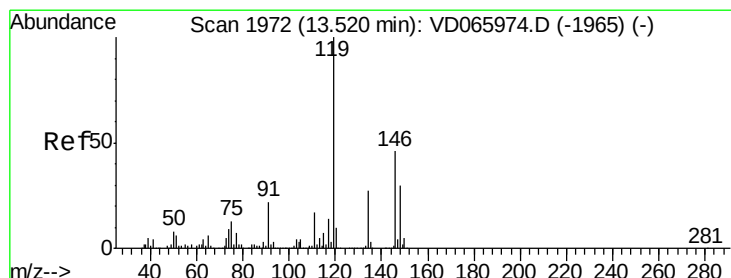


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time--> 13.30 13.40



#86

p-Isopropyltoluene

Concen: 23.373 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD066103.D

Acq: 30 Jul 2020 11:18

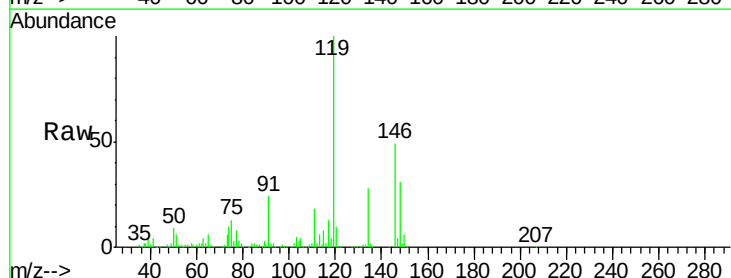
Tgt Ion:119 Resp: 207365

Ion Ratio Lower Upper

119 100

134 27.5 13.4 40.2

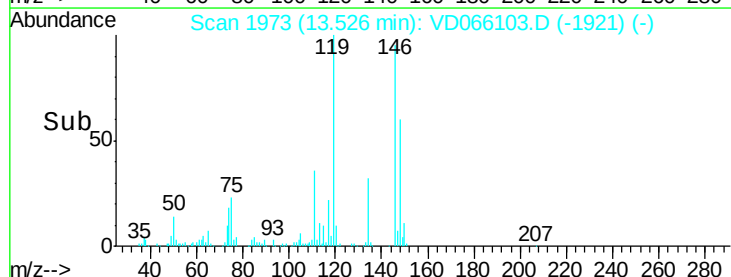
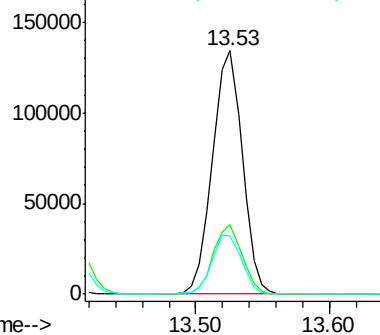
91 24.5 11.1 33.3



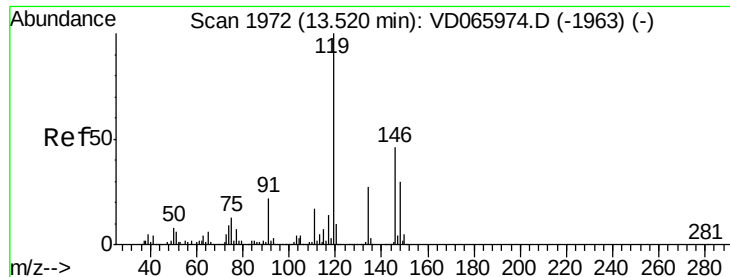
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



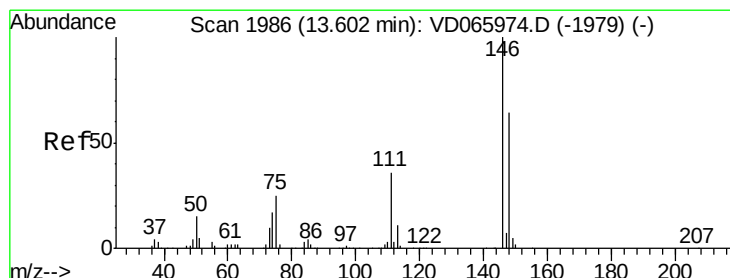
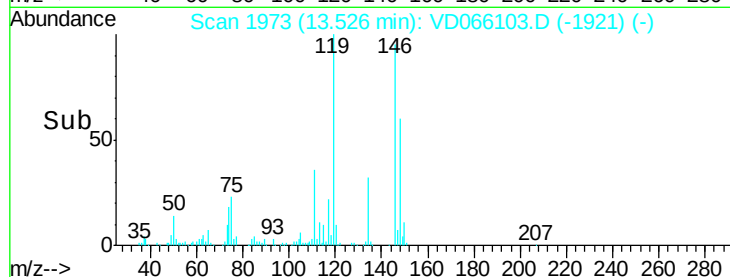
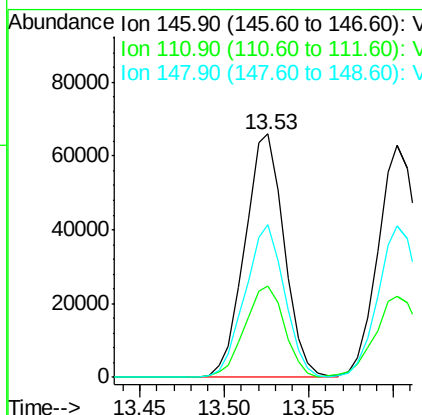
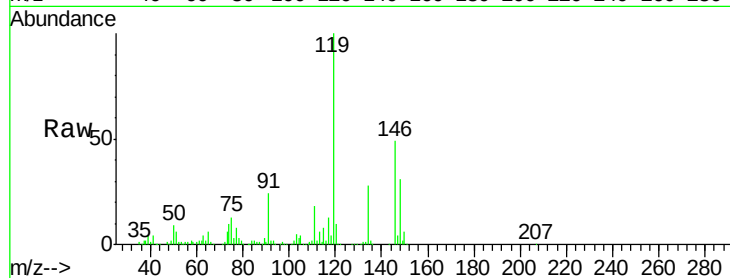
Time--> 13.50 13.60



#87
 1,3-Dichlorobenzene
 Concen: 22.877 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD066103.D
 Acq: 30 Jul 2020 11:18

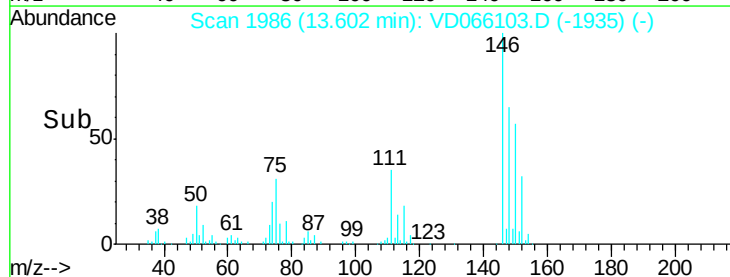
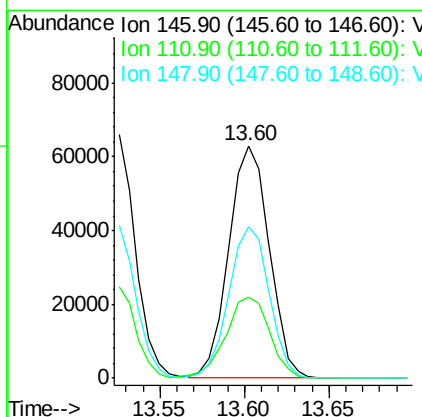
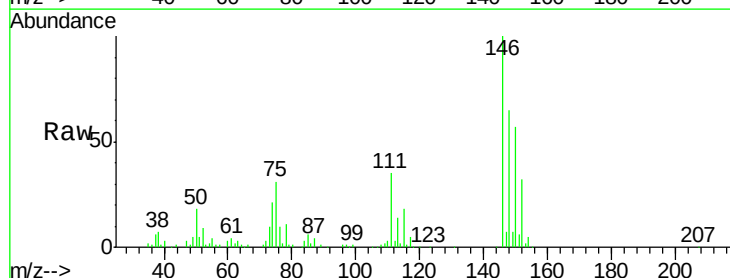
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

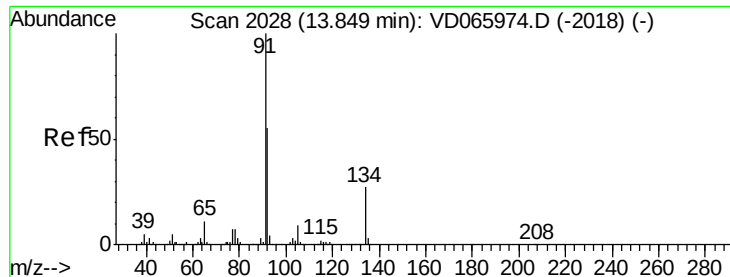
Tot Ion:146 Resp: 107046
 Ion Ratio Lower Upper
 146 100
 111 38.0 18.6 55.6
 148 63.0 32.4 97.0



#88
 1,4-Dichlorobenzene
 Concen: 22.238 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD066103.D
 Acq: 30 Jul 2020 11:18

Tgt Ion:146 Resp: 105194
 Ion Ratio Lower Upper
 146 100
 111 38.0 18.8 56.4
 148 65.1 32.2 96.6

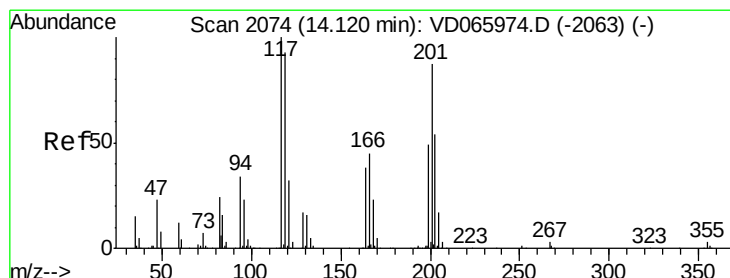
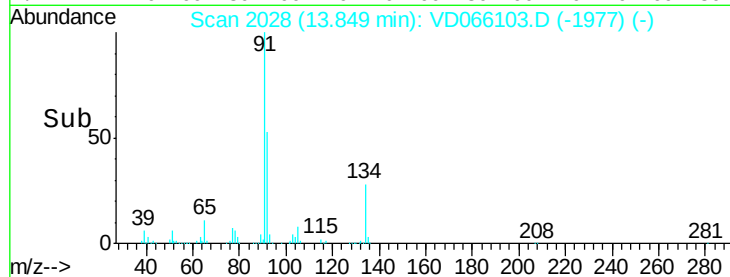
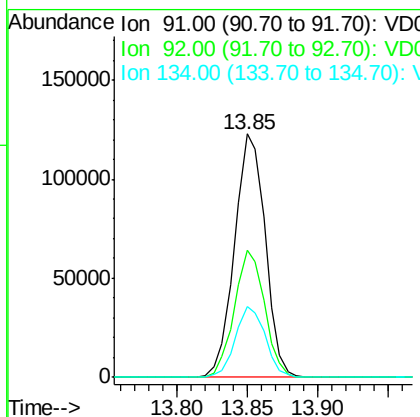
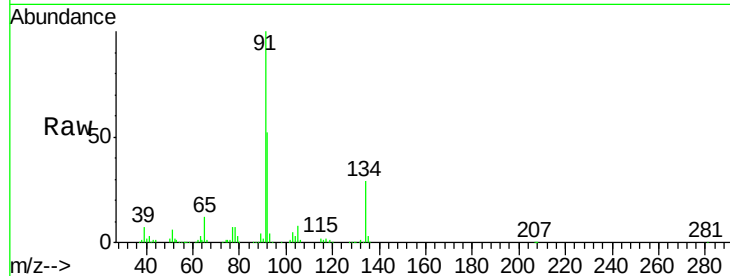




#89
n-Butylbenzene
Concen: 22.579 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

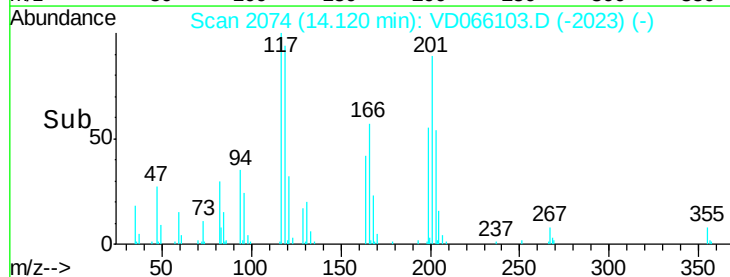
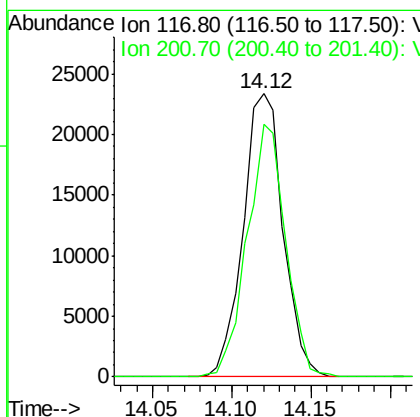
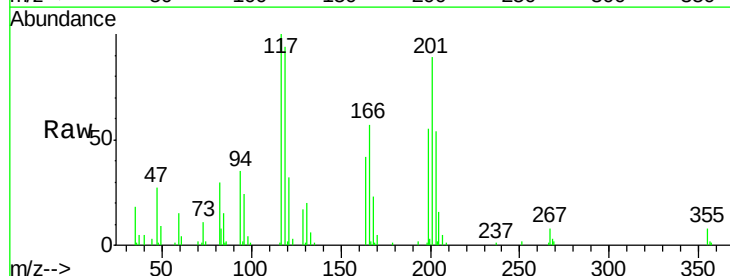
Instrument :
MSVOA_D
ClientSampleId :
VD0730SBS01

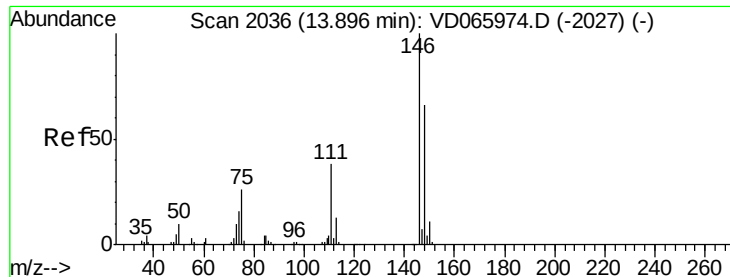
Tot Ion: 91 Resp: 186261
Ion Ratio Lower Upper
91 100
92 51.4 27.2 81.6
134 28.4 13.8 41.4



#90
Hexachloroethane
Concen: 22.237 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD066103.D
Acq: 30 Jul 2020 11:18

Tgt Ion: 117 Resp: 40841
Ion Ratio Lower Upper
117 100
201 86.3 42.0 126.1

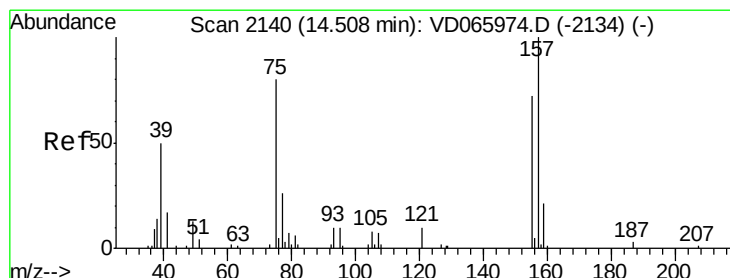
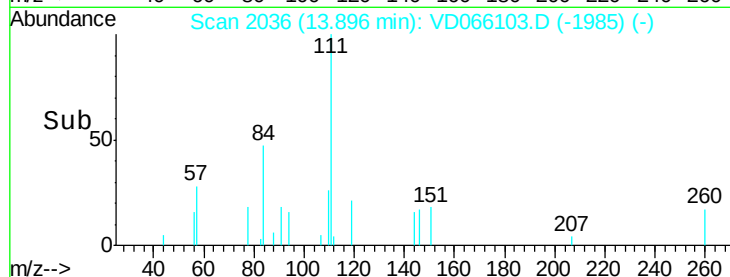
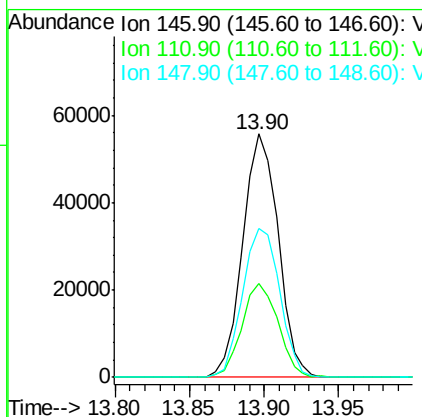
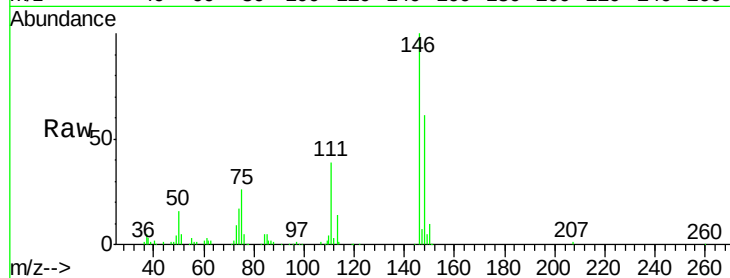




#91
 1,2-Dichlorobenzene
 Concen: 22.647 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD066103.D
 Acq: 30 Jul 2020 11:18

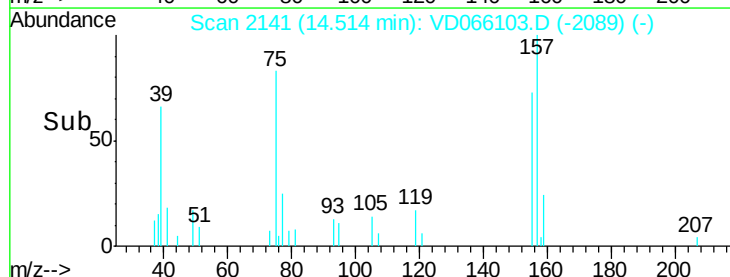
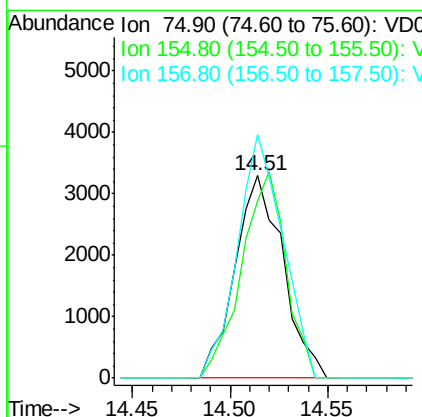
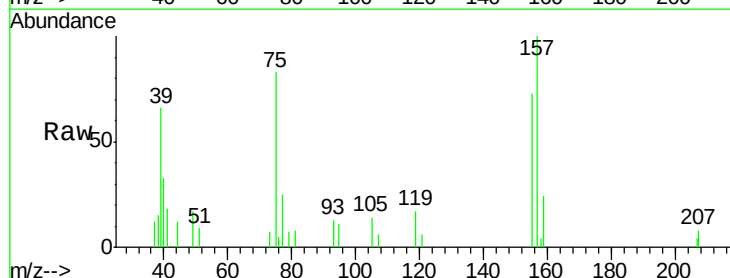
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

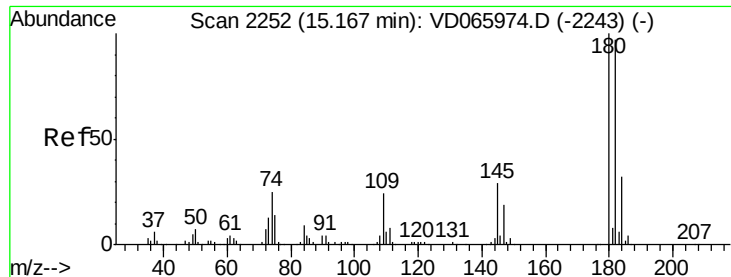
Tot Ion:146 Resp: 91827
 Ion Ratio Lower Upper
 146 100
 111 39.5 19.3 57.9
 148 64.0 32.7 98.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.014 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD066103.D
 Acq: 30 Jul 2020 11:18

Tgt Ion: 75 Resp: 5613
 Ion Ratio Lower Upper
 75 100
 155 93.6 48.5 145.5
 157 113.8 64.7 194.1

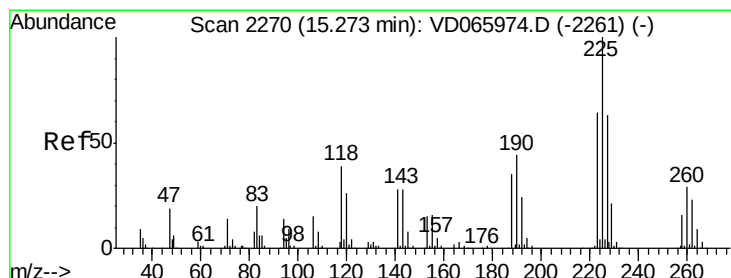
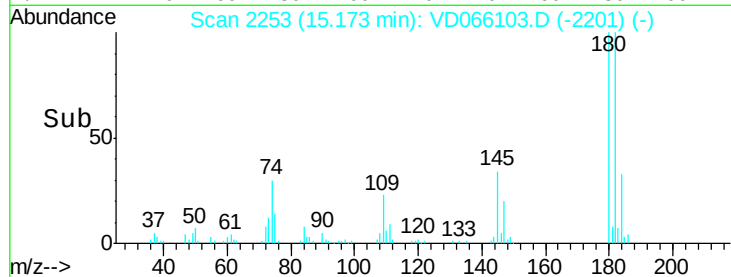
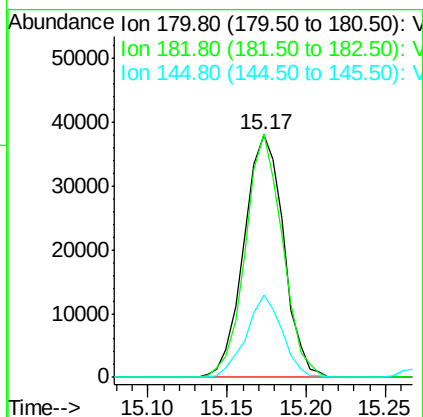
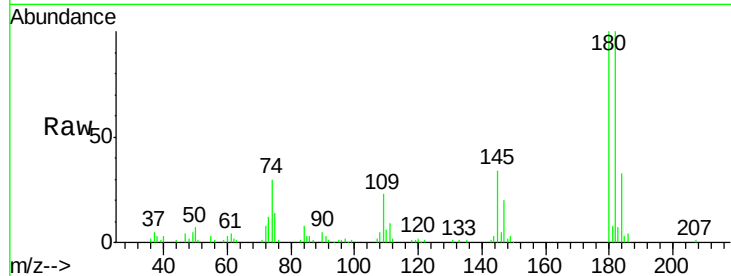




#93
 1,2,4-Trichlorobenzene
 Concen: 22.728 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD066103.D
 Acq: 30 Jul 2020 11:18

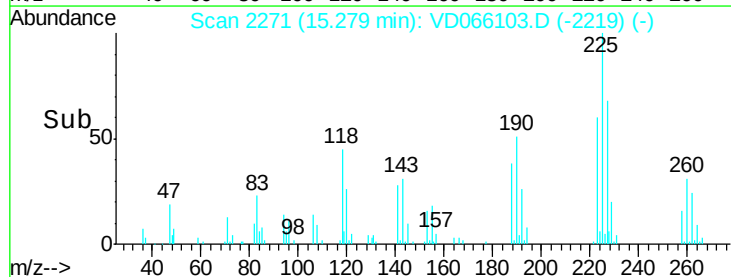
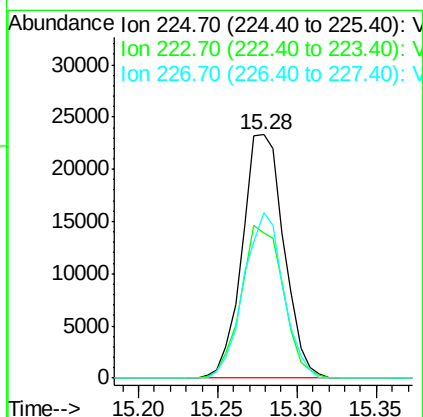
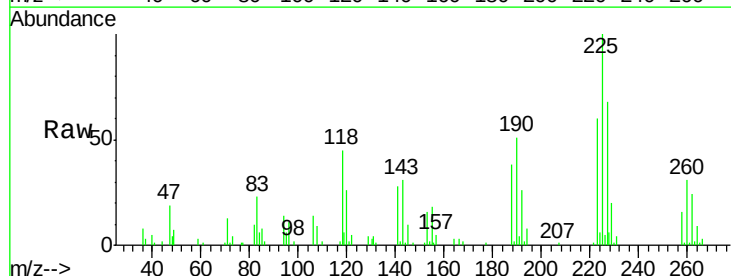
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS01

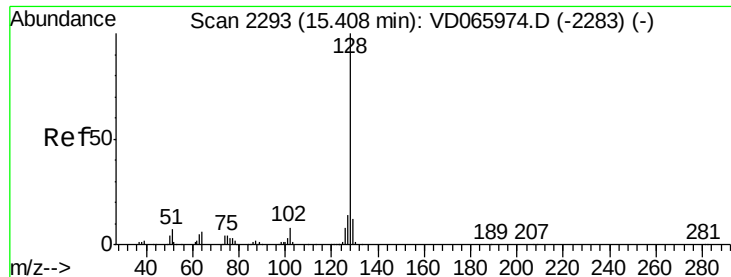
Tot Ion:180 Resp: 66148
 Ion Ratio Lower Upper
 180 100
 182 93.9 48.1 144.3
 145 30.7 14.7 44.1



#94
 Hexachlorobutadiene
 Concen: 23.678 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD066103.D
 Acq: 30 Jul 2020 11:18

Tgt Ion:225 Resp: 42605
 Ion Ratio Lower Upper
 225 100
 223 63.3 31.2 93.6
 227 64.5 31.6 94.8





#95

Naphthalene

Concen: 20.674 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD066103.D

Acq: 30 Jul 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

VD0730SBS01

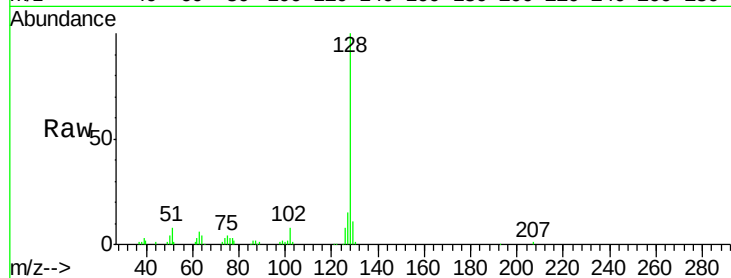
Tot Ion:128 Resp: 95413

Ion Ratio Lower Upper

128 100

127 13.4 10.8 16.2

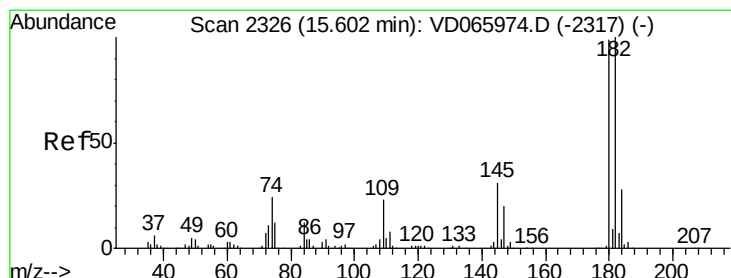
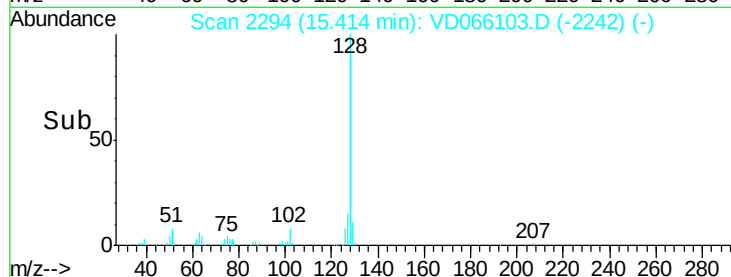
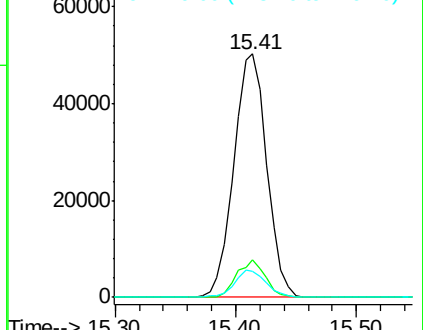
129 10.6 8.9 13.3



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: 22.277 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD066103.D

Acq: 30 Jul 2020 11:18

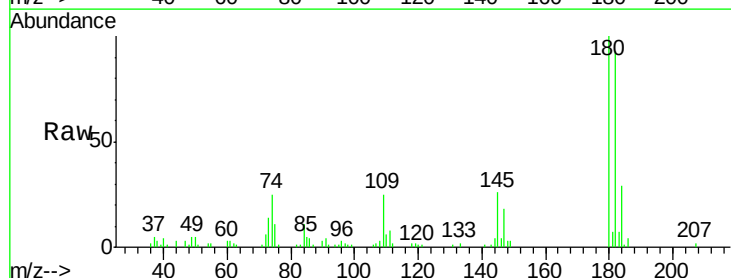
Tgt Ion:180 Resp: 56364

Ion Ratio Lower Upper

180 100

182 95.7 47.9 143.6

145 30.4 15.4 46.2



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

