

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072320\
 Data File : VD066018.D
 Acq On : 23 Jul 2020 12:23
 Operator : VA/SY
 Sample : VD0723SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0723SBS01

Quant Time: Jul 24 03:02:01 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	7.98	168	335176	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	487231	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	452122	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	234685	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	134838	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
35) Dibromofluoromethane	7.92	113	143455	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
50) Toluene-d8	10.34	98	557270	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	
62) 4-Bromofluorobenzene	12.64	95	194319	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	59993	23.585	ug/l	97
3) Chloromethane	2.21	50	46552	22.426	ug/l	96
4) Vinyl Chloride	2.35	62	42790	21.647	ug/l	97
5) Bromomethane	2.76	94	30143	18.524	ug/l	91
6) Chloroethane	2.92	64	27057	22.929	ug/l	93
7) Trichlorofluoromethane	3.27	101	107466	22.351	ug/l	99
8) Diethyl Ether	3.71	74	27762	20.889	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.10	101	62178	21.417	ug/l	98
10) Methyl Iodide	4.29	142	65221	27.132	ug/l	98
11) Tert butyl alcohol	5.22	59	19354	96.096	ug/l #	94
12) 1,1-Dichloroethene	4.06	96	58549	21.127	ug/l	93
13) Acrolein	3.92	56	20217	87.984	ug/l	99
14) Allyl chloride	4.71	41	89640	20.693	ug/l	97
15) Acrylonitrile	5.42	53	56970	100.337	ug/l	95
16) Acetone	4.16	43	49311	89.325	ug/l	95
17) Carbon Disulfide	4.41	76	185060	20.587	ug/l	98
18) Methyl Acetate	4.72	43	25650	19.973	ug/l	100
19) Methyl tert-butyl Ether	5.47	73	119223	20.939	ug/l	100
20) Methylene Chloride	4.97	84	80319	24.820	ug/l	92
21) trans-1,2-Dichloroethene	5.46	96	67709	21.618	ug/l	98
22) Diisopropyl ether	6.36	45	174819	21.242	ug/l	97
23) Vinyl Acetate	6.31	43	485689	104.641	ug/l	98
24) 1,1-Dichloroethane	6.27	63	109133	21.885	ug/l	98
25) 2-Butanone	7.21	43	69189	94.454	ug/l #	90
26) 2,2-Dichloropropane	7.21	77	98909	22.057	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	71121	21.447	ug/l	98
28) Bromochloromethane	7.55	49	41336	19.531	ug/l	93
29) Tetrahydrofuran	7.56	42	43911	97.156	ug/l	97
30) Chloroform	7.71	83	112506	21.569	ug/l	97
31) Cyclohexane	7.99	56	100372	20.459	ug/l	92
32) 1,1,1-Trichloroethane	7.90	97	104910	21.743	ug/l	98
36) 1,1-Dichloropropene	8.11	75	90695	21.811	ug/l	99
37) Ethyl Acetate	7.29	43	28711	18.079	ug/l #	80
38) Carbon Tetrachloride	8.10	117	99973	22.157	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072320\
 Data File : VD066018.D
 Acq On : 23 Jul 2020 12:23
 Operator : VA/SY
 Sample : VD0723SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0723SBS01

Quant Time: Jul 24 03:02:01 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	107676	21.383	ug/l	98
40) Benzene	8.36	78	251210	21.594	ug/l	94
41) Methacrylonitrile	7.51	41	12764	14.031	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	71529	22.438	ug/l	100
43) Isopropyl Acetate	8.46	43	61877	19.950	ug/l	98
44) Trichloroethene	9.11	130	76451	21.716	ug/l	100
45) 1,2-Dichloropropane	9.38	63	59602	21.154	ug/l	100
46) Dibromomethane	9.47	93	33365	21.997	ug/l	98
47) Bromodichloromethane	9.67	83	85842	21.404	ug/l	96
48) Methyl methacrylate	9.46	41	32773	20.947	ug/l	97
49) 1,4-Dioxane	9.47	88	7597	432.323	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	159279	101.919	ug/l	98
52) Toluene	10.41	92	169506	22.343	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	79785	21.354	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	100654	22.224	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	45427	21.118	ug/l	92
56) Ethyl methacrylate	10.66	69	52337	20.926	ug/l	97
57) 1,3-Dichloropropane	10.95	76	75942	21.325	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.94	63	131974	110.461	ug/l	98
59) 2-Hexanone	10.99	43	106962	98.764	ug/l	95
60) Dibromochloromethane	11.14	129	63652	21.946	ug/l	100
61) 1,2-Dibromoethane	11.25	107	45515	21.944	ug/l	99
64) Tetrachloroethene	10.88	164	66730	21.745	ug/l	93
65) Chlorobenzene	11.67	112	182895	22.094	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	69831	22.846	ug/l	98
67) Ethyl Benzene	11.75	91	314119	22.050	ug/l	97
68) m/p-Xylenes	11.86	106	252990	46.204	ug/l	100
69) o-Xylene	12.18	106	114518	22.995	ug/l	97
70) Styrene	12.20	104	198881	23.242	ug/l	100
71) Bromoform	12.36	173	39892	22.281	ug/l #	100
73) Isopropylbenzene	12.48	105	311939	21.966	ug/l	99
74) N-amyl acetate	12.29	43	58401	19.835	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	48018	20.460	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	65822	37.249	ug/l #	100
77) Bromobenzene	12.77	156	81541	22.468	ug/l	94
78) n-propylbenzene	12.83	91	366047	22.213	ug/l	99
79) 2-Chlorotoluene	12.91	91	207657	22.058	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	258929	22.193	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.53	75	16262	21.117	ug/l	94
82) 4-Chlorotoluene	13.01	91	220410	22.181	ug/l	99
83) tert-Butylbenzene	13.23	119	228348	22.366	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	263365	22.881	ug/l	98
85) sec-Butylbenzene	13.41	105	314030	22.331	ug/l	97
86) p-Isopropyltoluene	13.52	119	300000	23.482	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	155854	23.130	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	149876	22.003	ug/l	99
89) n-Butylbenzene	13.85	91	266918	22.469	ug/l	99
90) Hexachloroethane	14.12	117	56090	21.208	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	131299	22.487	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	7610	19.785	ug/l	98

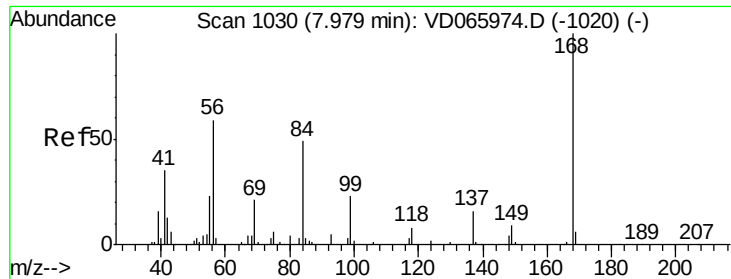
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072320\
Data File : VD066018.D
Acq On : 23 Jul 2020 12:23
Operator : VA/SY
Sample : VD0723SBSD01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0723SBSD01

Quant Time: Jul 24 03:02:01 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	94921	22.649	ug/l	98
94) Hexachlorobutadiene	15.27	225	60426	23.321	ug/l	96
95) Naphthalene	15.41	128	141757	21.218	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	82743	22.710	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

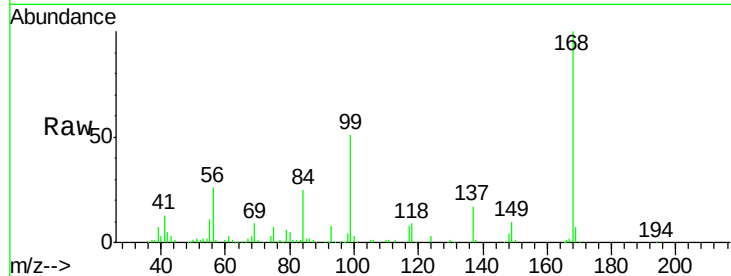
VD0723SBS01

Tot Ion:168 Resp: 335176

Ion Ratio Lower Upper

168 100

99 51.2 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

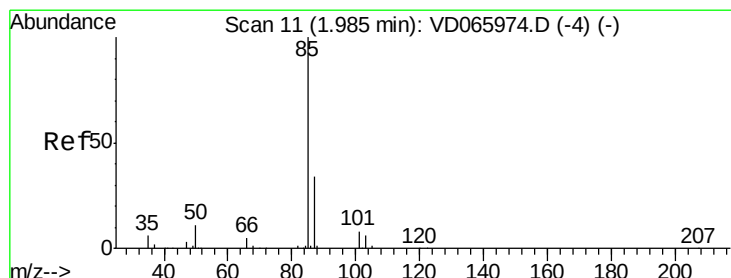
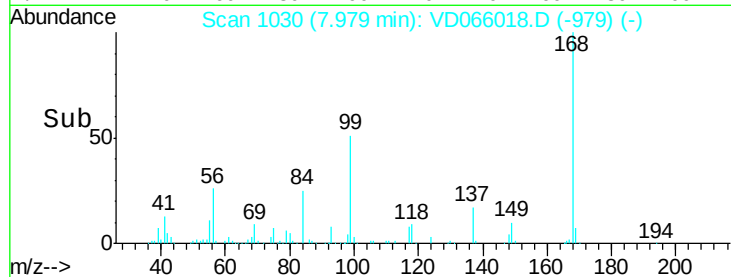
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 23.585 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066018.D

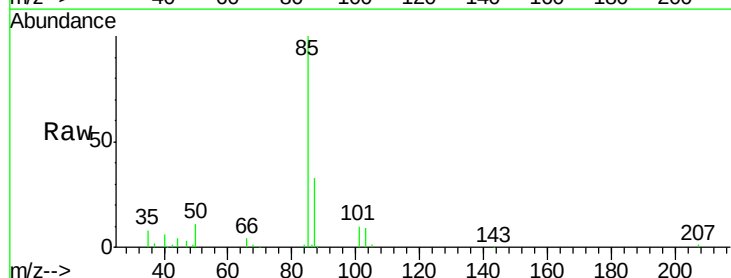
Acq: 23 Jul 2020 12:23

Tgt Ion: 85 Resp: 59993

Ion Ratio Lower Upper

85 100

87 32.8 17.3 51.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

50000

40000

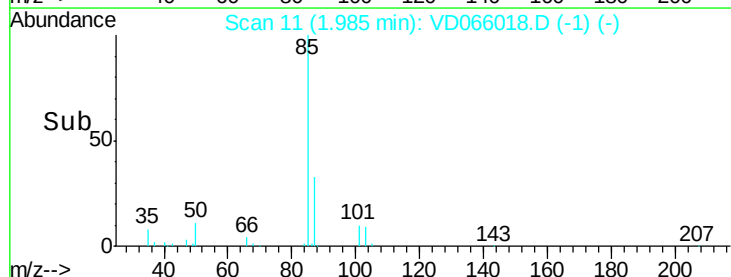
30000

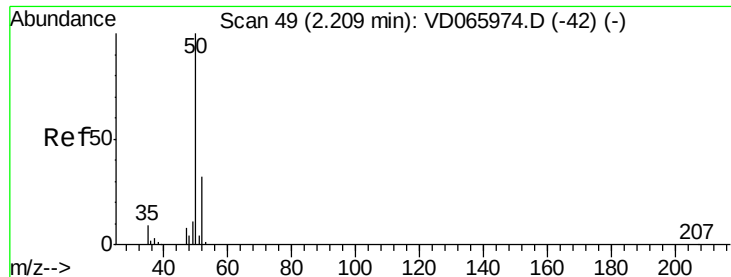
20000

10000

0

Time-->





#3

Chloromethane

Concen: 22.426 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

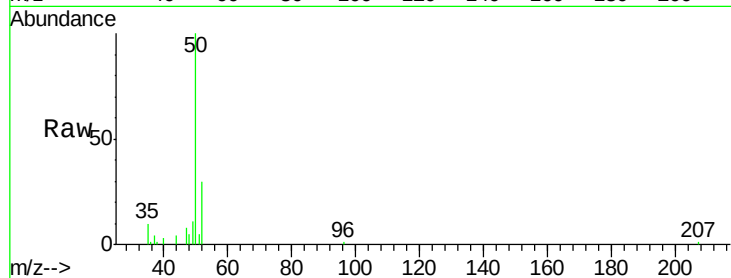
VD0723SBSD01

Tot Ion: 50 Resp: 46552

Ion Ratio Lower Upper

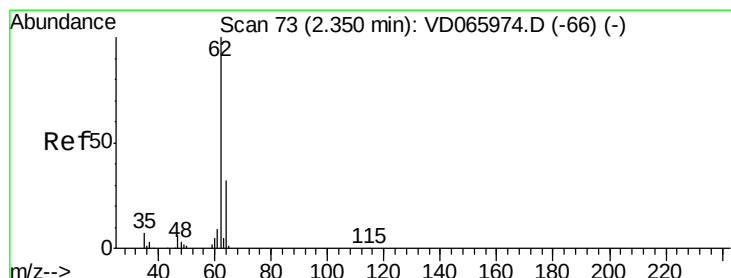
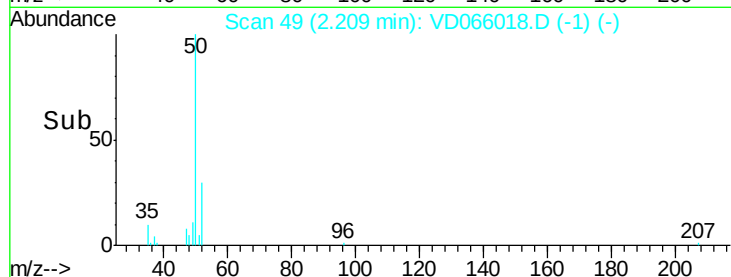
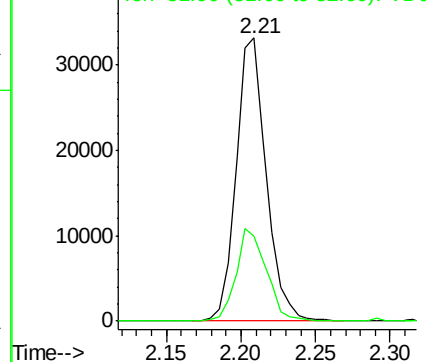
50 100

52 29.9 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.647 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066018.D

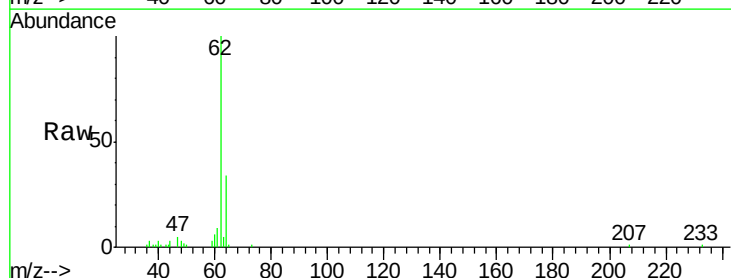
Acq: 23 Jul 2020 12:23

Tgt Ion: 62 Resp: 42790

Ion Ratio Lower Upper

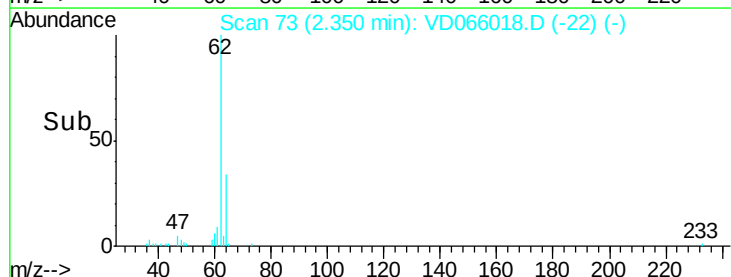
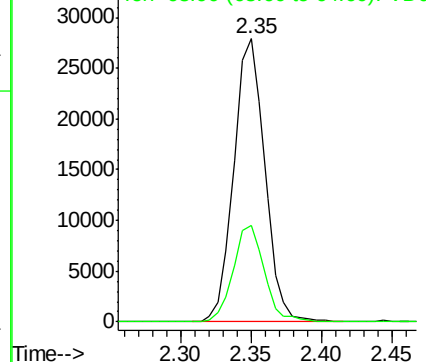
62 100

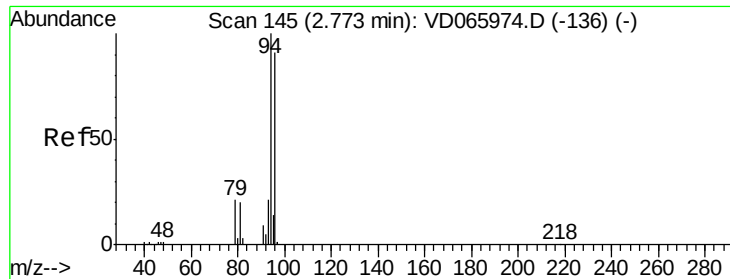
64 34.0 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 18.524 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

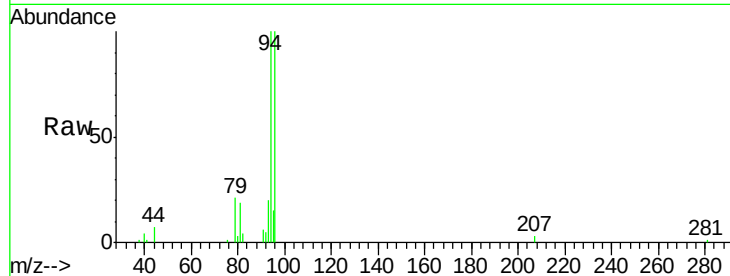
VD0723SBSD01

Tot Ion: 94 Resp: 30143

Ion Ratio Lower Upper

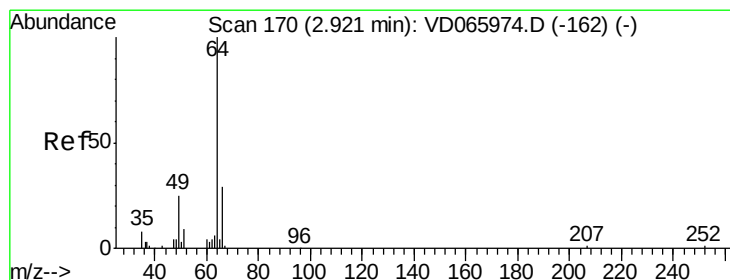
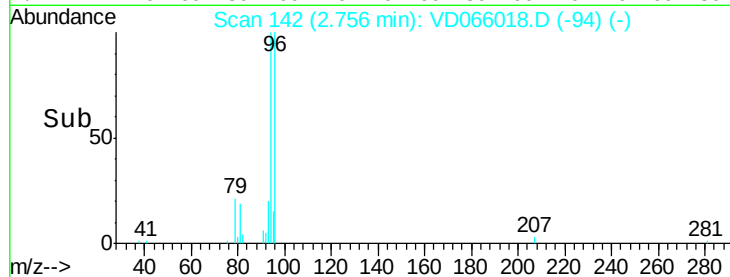
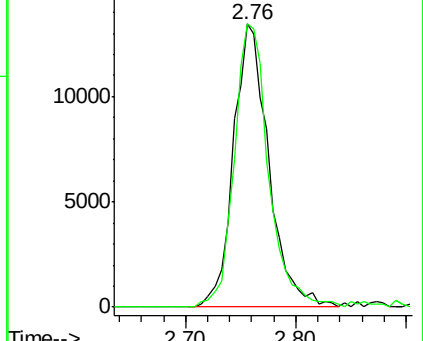
94 100

96 100.1 73.0 109.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 22.929 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD066018.D

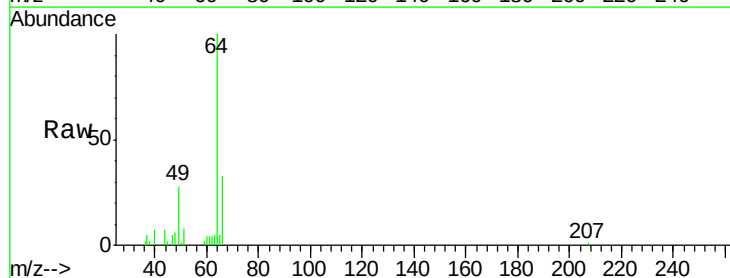
Acq: 23 Jul 2020 12:23

Tgt Ion: 64 Resp: 27057

Ion Ratio Lower Upper

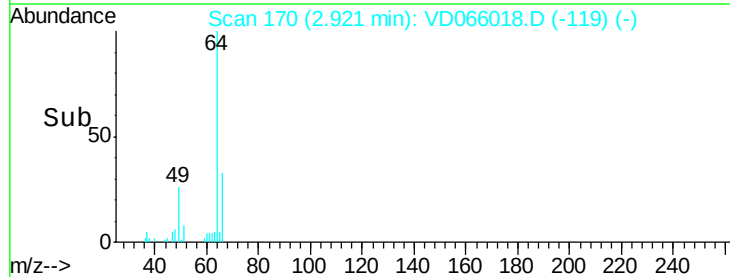
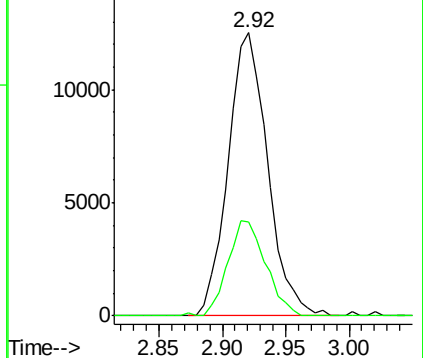
64 100

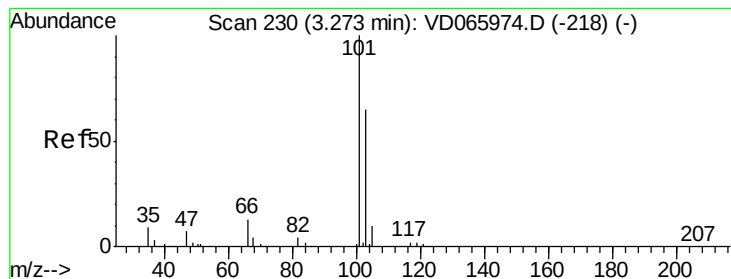
66 33.2 23.4 35.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



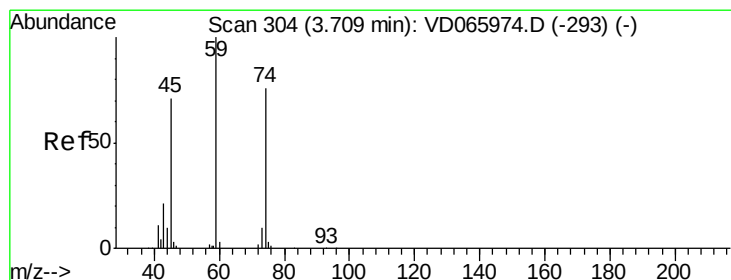
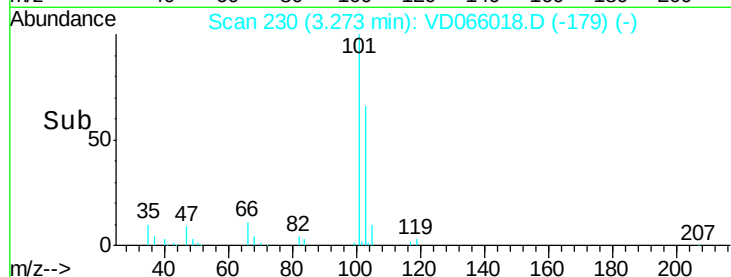
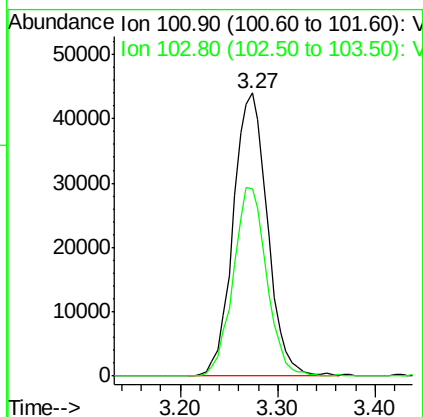
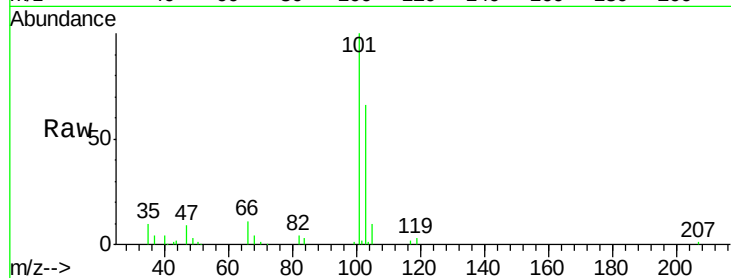


#7

Trichlorofluoromethane
 Concen: 22.351 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD066018.D
 Acq: 23 Jul 2020 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0723SBS01

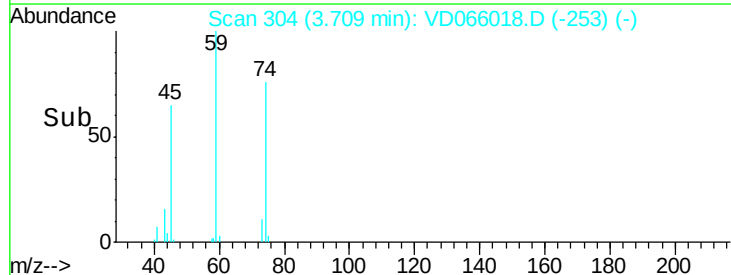
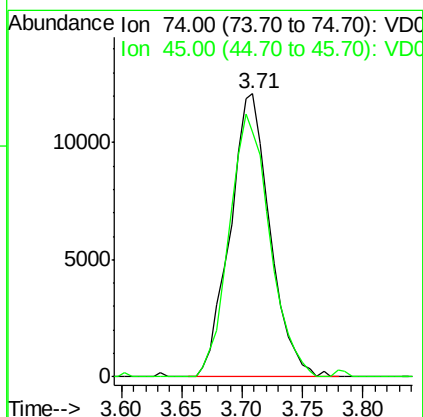
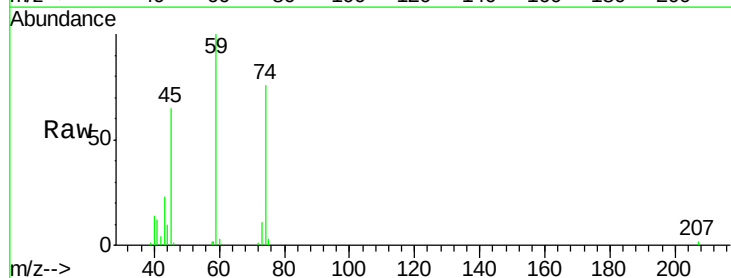
Tot Ion:101 Resp: 107466
 Ion Ratio Lower Upper
 101 100
 103 66.2 52.1 78.1

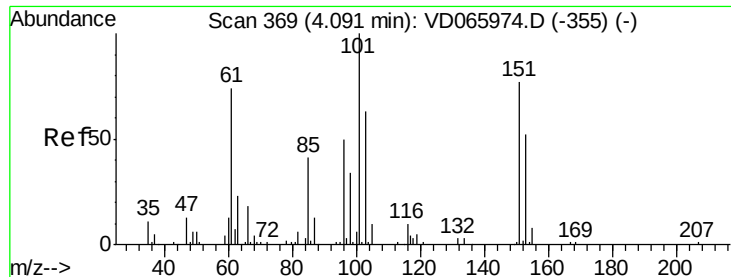


#8

Diethyl Ether
 Concen: 20.889 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD066018.D
 Acq: 23 Jul 2020 12:23

Tgt Ion: 74 Resp: 27762
 Ion Ratio Lower Upper
 74 100
 45 94.8 49.9 149.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.417 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD0723SBSD01

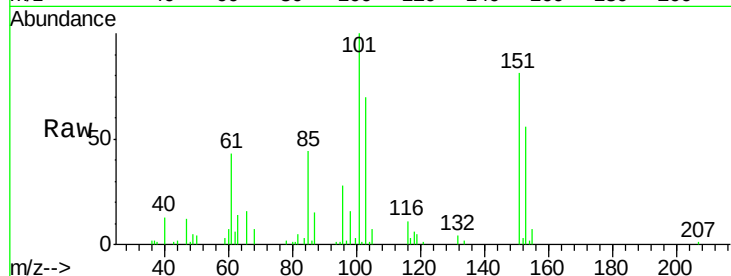
Tot Ion:101 Resp: 62178

Ion Ratio Lower Upper

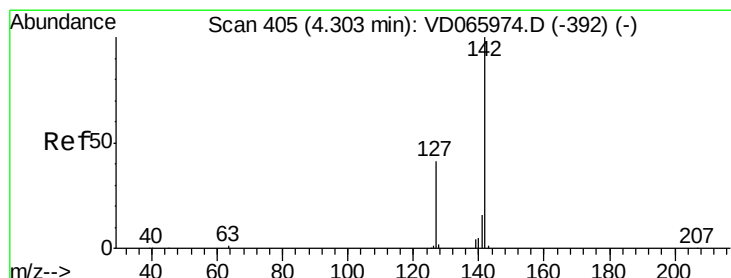
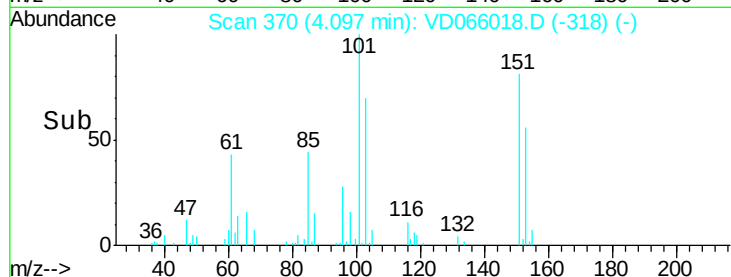
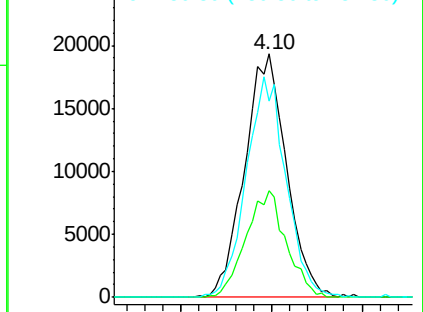
101 100

85 41.9 33.6 50.4

151 86.4 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: 27.132 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

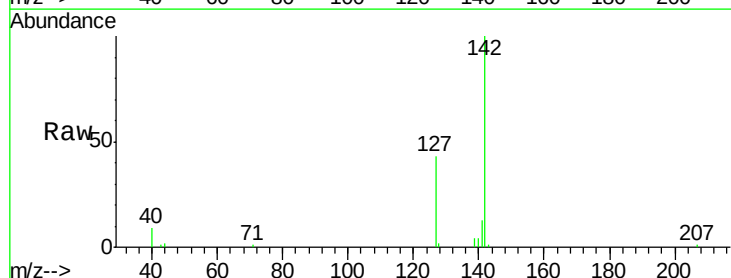
Tgt Ion:142 Resp: 65221

Ion Ratio Lower Upper

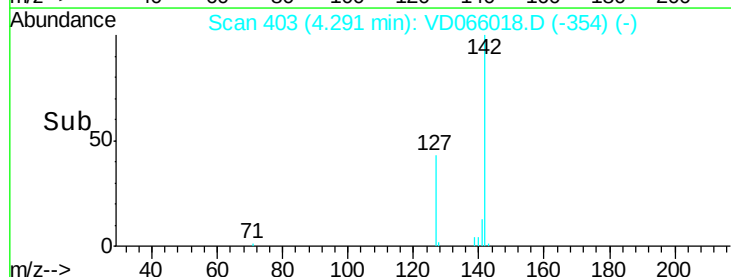
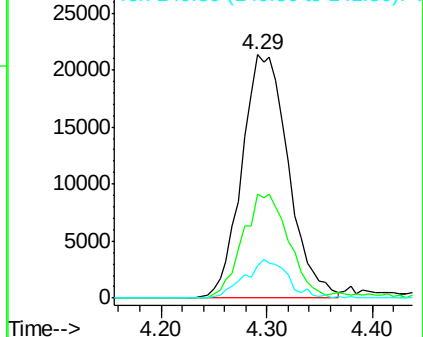
142 100

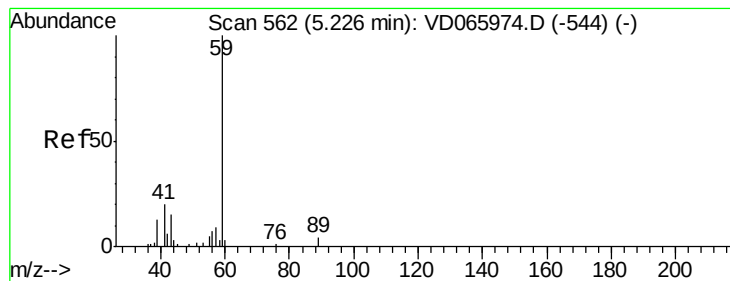
127 43.1 32.9 49.3

141 14.6 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: 96.096 ug/l

RT: 5.22 min Scan# 561

Delta R.T. -0.01 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

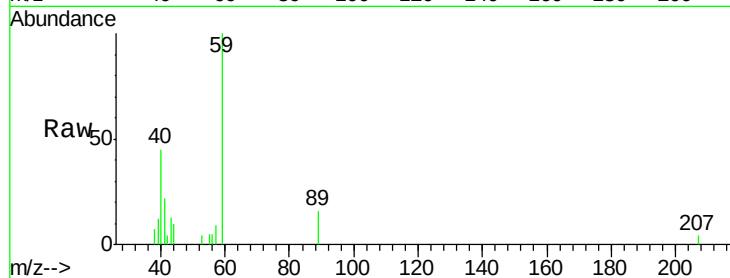
VD0723SBSD01

Tot Ion: 59 Resp: 19354

Ion Ratio Lower Upper

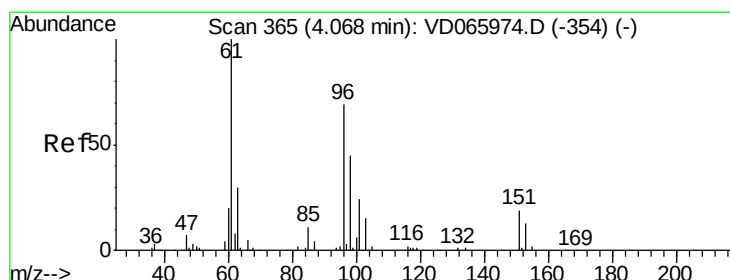
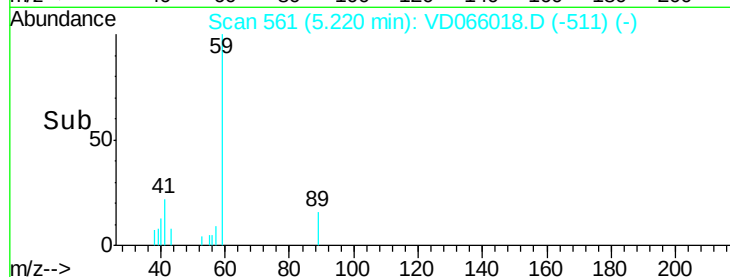
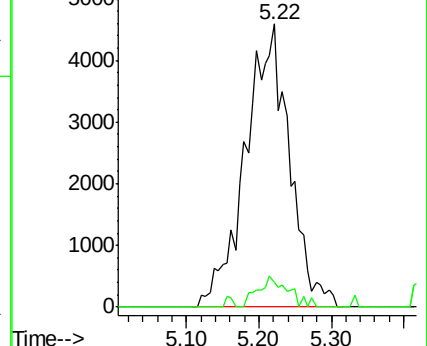
59 100

57 7.5 4.5 6.7#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 21.127 ug/l

RT: 4.06 min Scan# 364

Delta R.T. -0.01 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

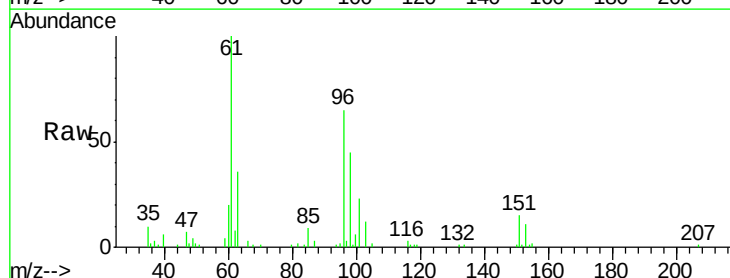
Tgt Ion: 96 Resp: 58549

Ion Ratio Lower Upper

96 100

61 153.7 115.4 173.0

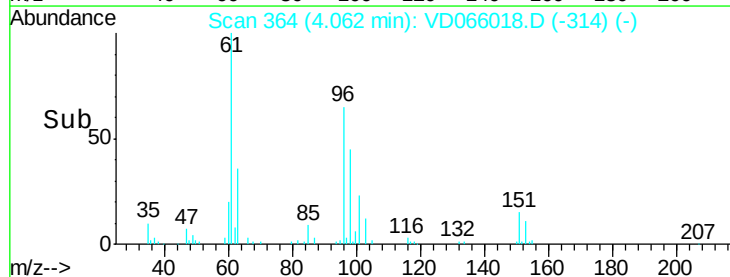
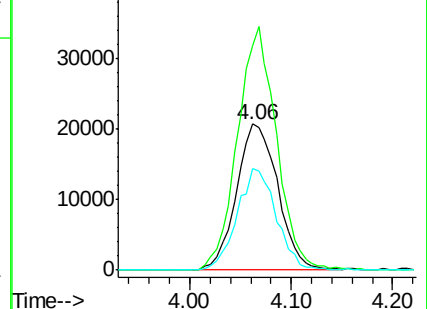
98 69.8 51.5 77.3

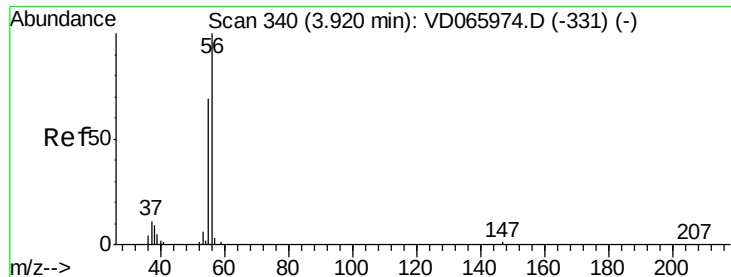


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 87.984 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

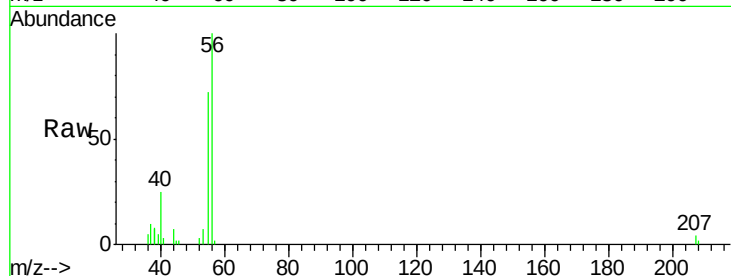
VD0723SBS01

Tot Ion: 56 Resp: 20217

Ion Ratio Lower Upper

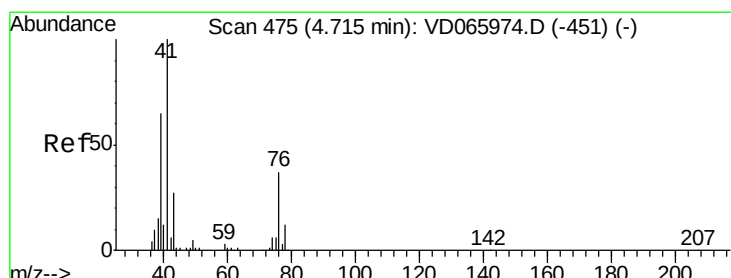
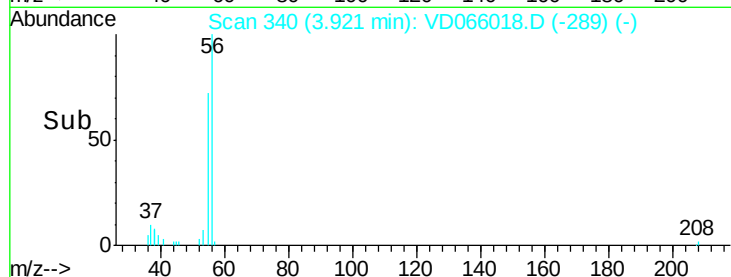
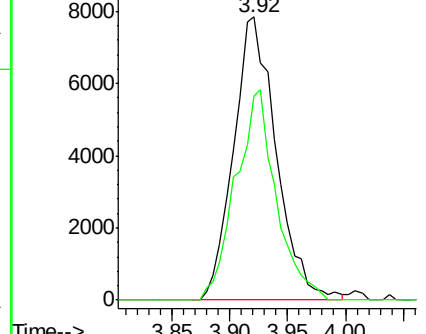
56 100

55 70.2 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: 20.693 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

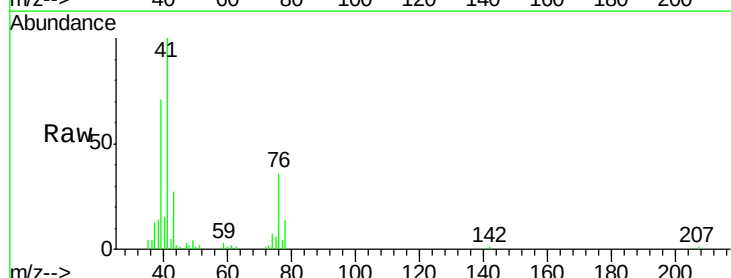
Tgt Ion: 41 Resp: 89640

Ion Ratio Lower Upper

41 100

39 69.6 53.4 80.2

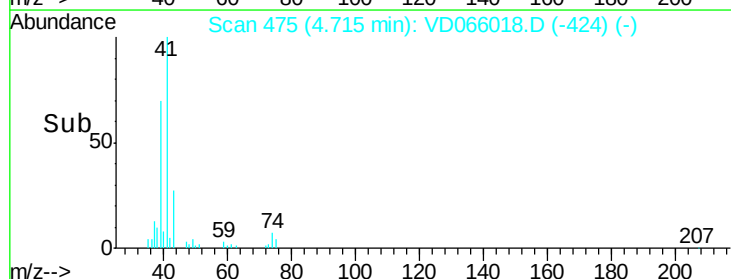
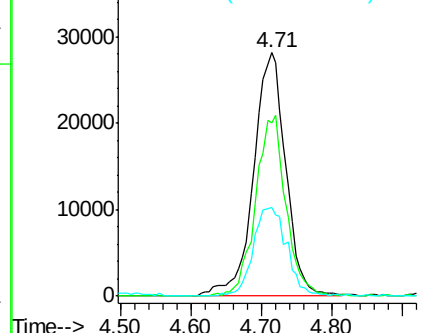
76 37.9 29.1 43.7

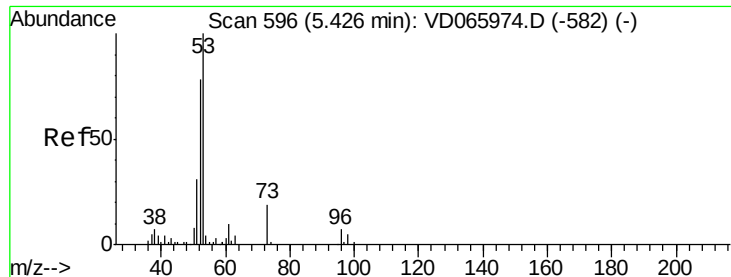


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 100.337 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD0723SBSD01

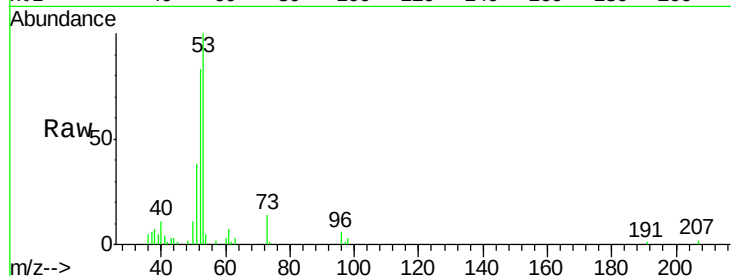
Tot Ion: 53 Resp: 56970

Ion Ratio Lower Upper

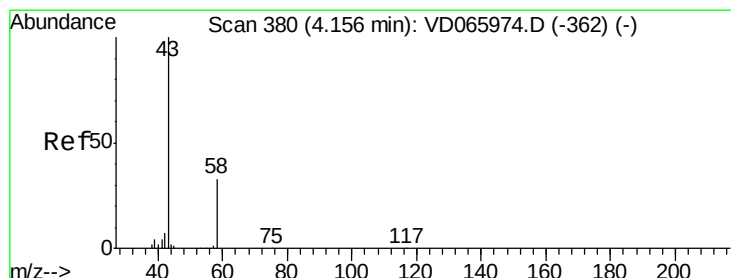
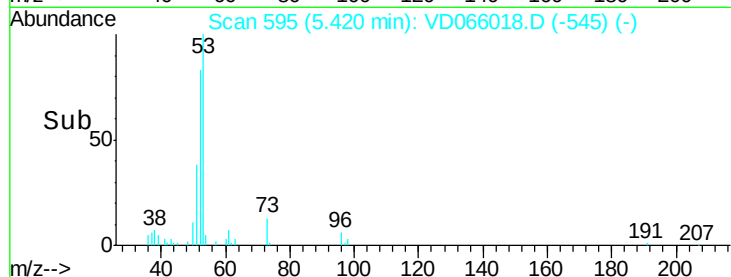
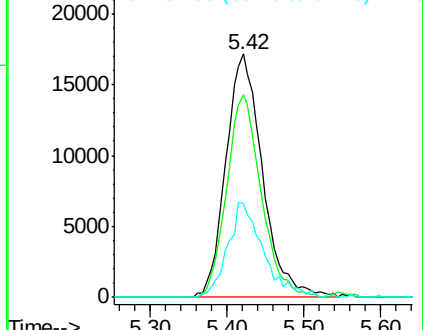
53 100

52 78.5 67.1 100.7

51 37.7 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: 89.325 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD066018.D

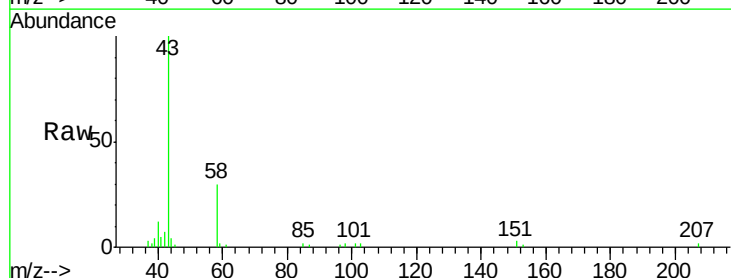
Acq: 23 Jul 2020 12:23

Tgt Ion: 43 Resp: 49311

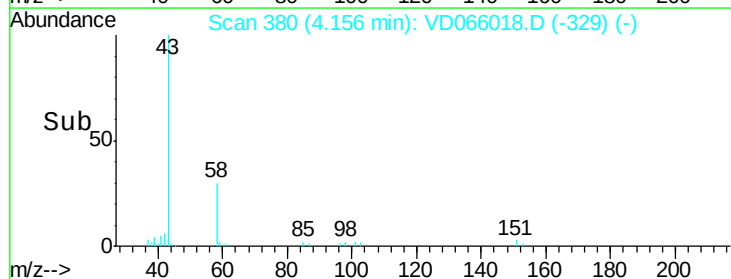
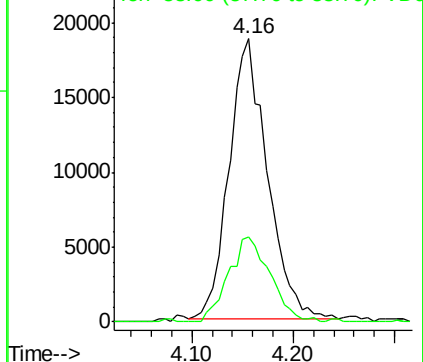
Ion Ratio Lower Upper

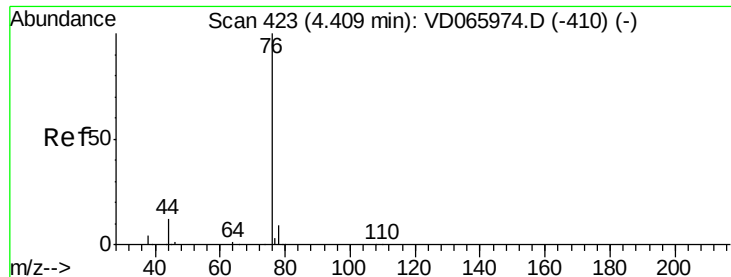
43 100

58 30.3 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: 20.587 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

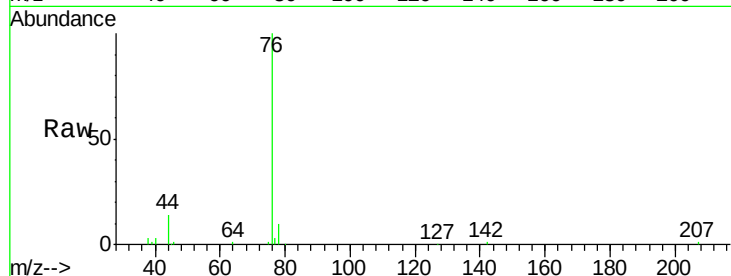
VD0723SBS01

Tot Ion: 76 Resp: 185060

Ion Ratio Lower Upper

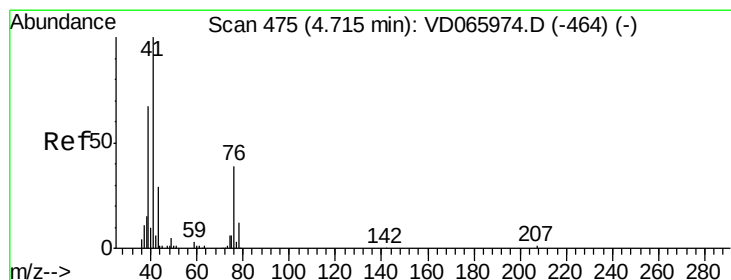
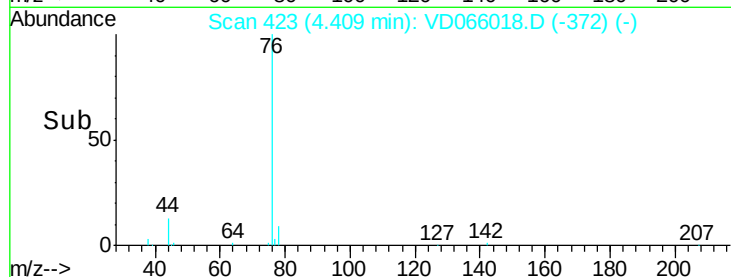
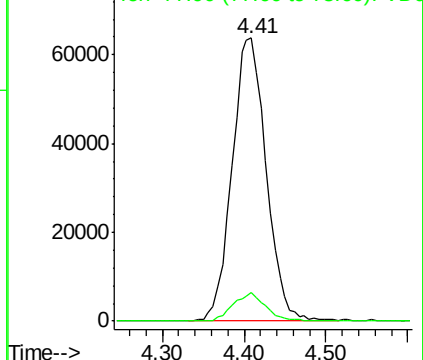
76 100

78 10.0 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 19.973 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD066018.D

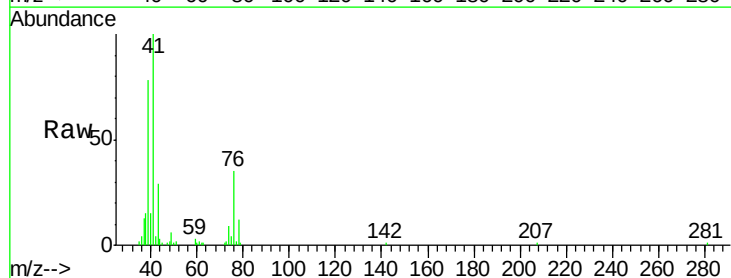
Acq: 23 Jul 2020 12:23

Tgt Ion: 43 Resp: 25650

Ion Ratio Lower Upper

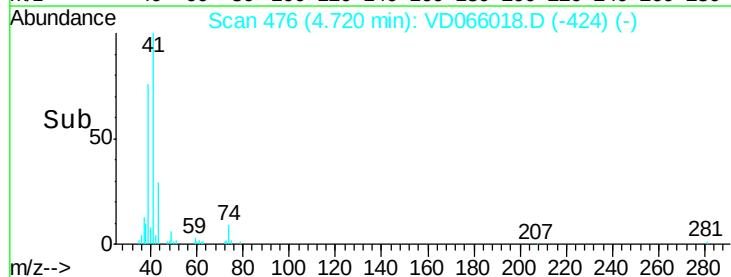
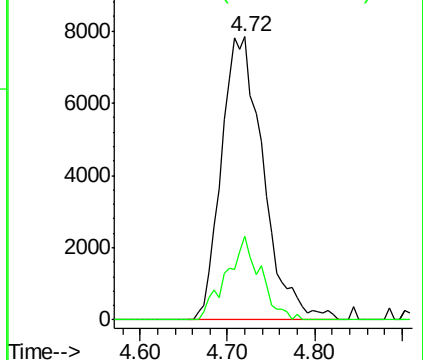
43 100

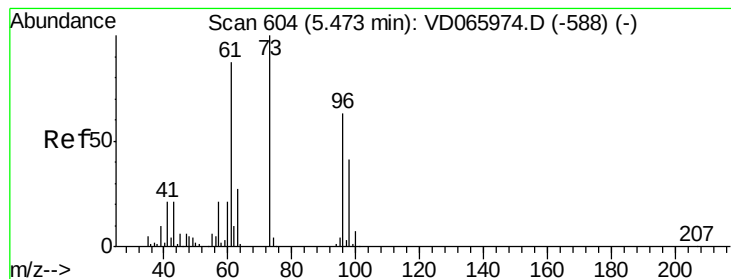
74 24.0 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



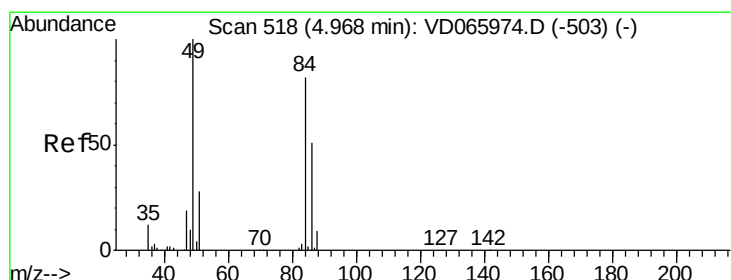
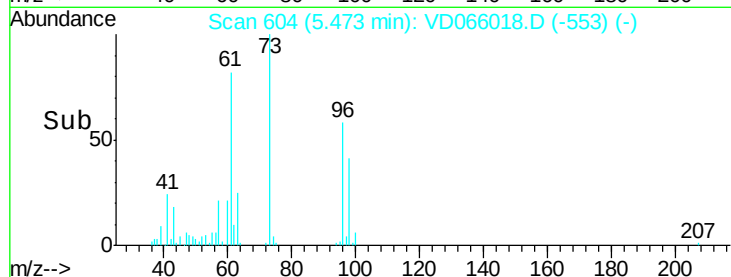
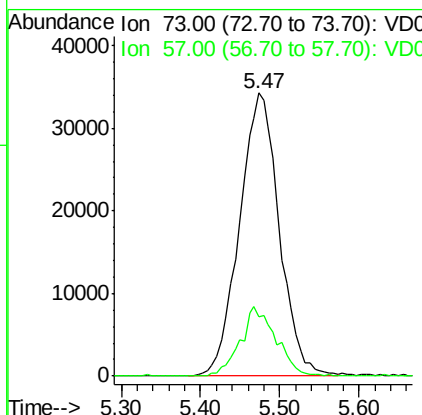
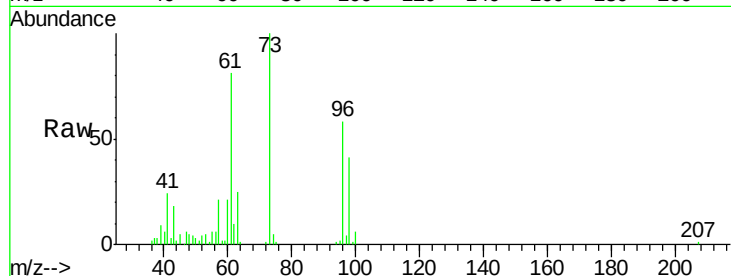


#19

Methyl tert-butyl Ether
 Concen: 20.939 ug/l
 RT: 5.47 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VD066018.D
 Acq: 23 Jul 2020 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0723SBS01

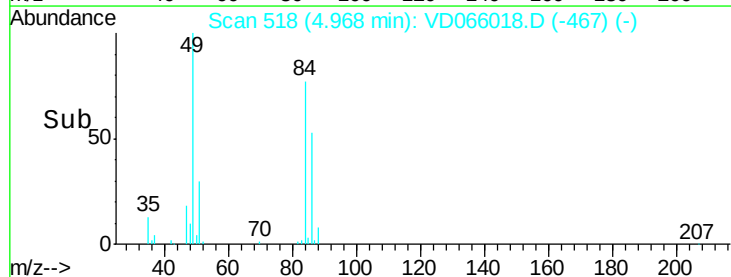
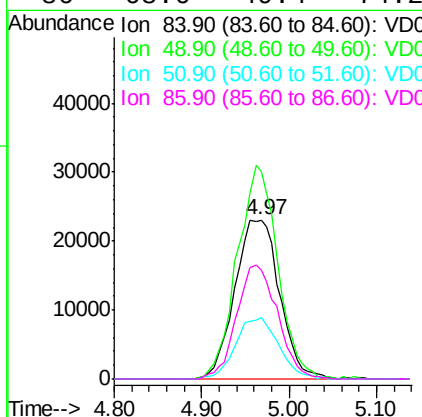
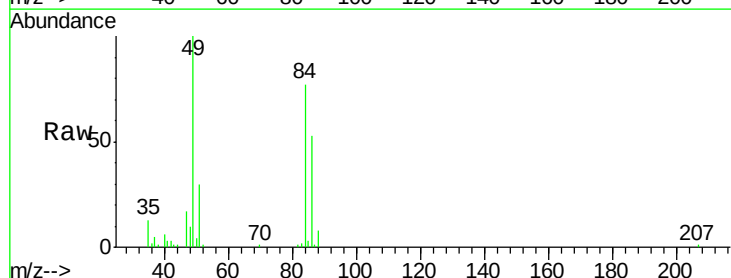
Tot Ion: 73 Resp: 119223
 Ion Ratio Lower Upper
 73 100
 57 21.1 17.0 25.4

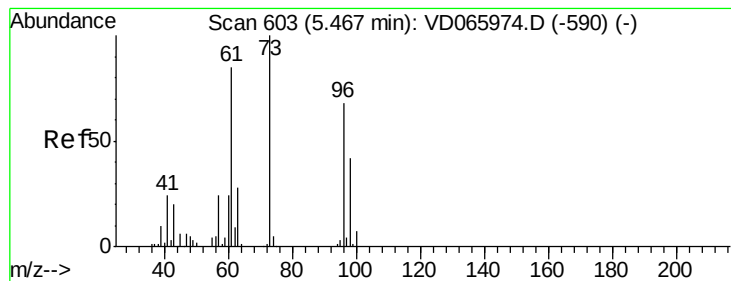


#20

Methylene Chloride
 Concen: 24.820 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.00 min
 Lab File: VD066018.D
 Acq: 23 Jul 2020 12:23

Tgt Ion: 84 Resp: 80319
 Ion Ratio Lower Upper
 84 100
 49 130.5 97.7 146.5
 51 38.5 27.4 41.2
 86 68.6 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 21.618 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD0723SBSD01

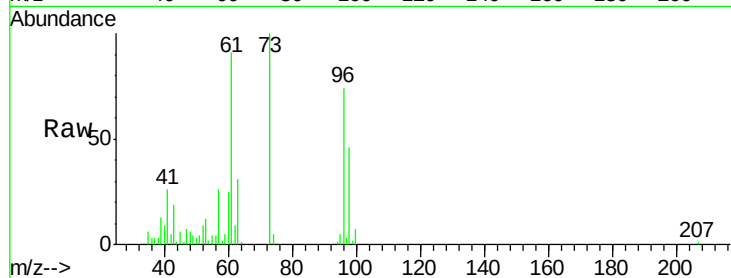
Tot Ion: 96 Resp: 67709

Ion Ratio Lower Upper

96 100

61 122.1 100.5 150.7

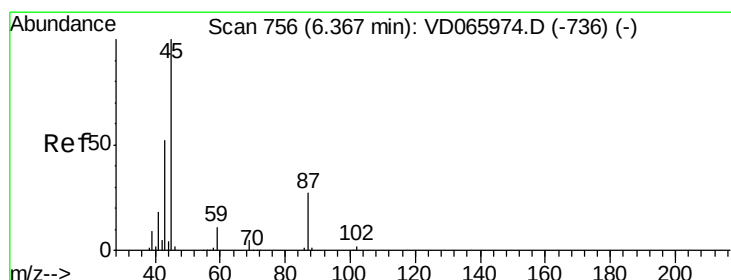
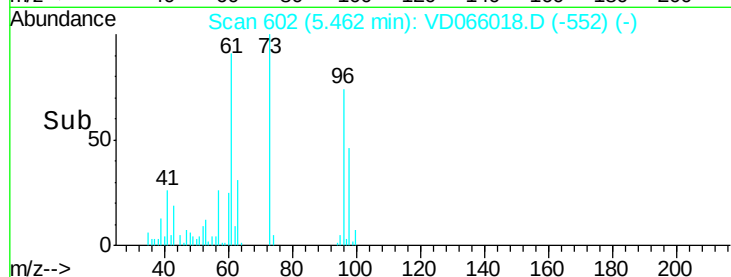
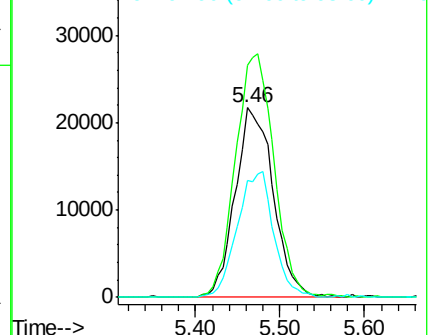
98 61.7 49.7 74.5



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: 21.242 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

Tgt Ion: 45 Resp: 174819

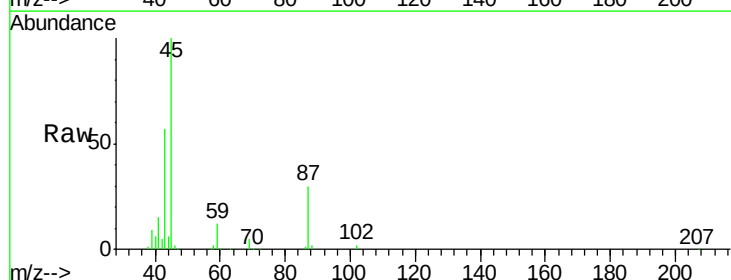
Ion Ratio Lower Upper

45 100

43 55.6 43.0 64.4

87 29.8 22.0 33.0

59 11.6 9.1 13.7

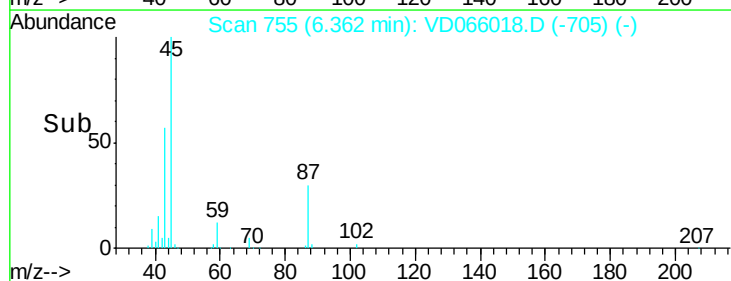
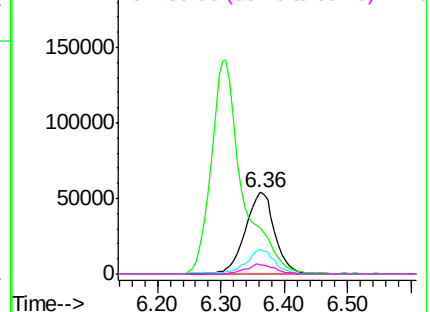


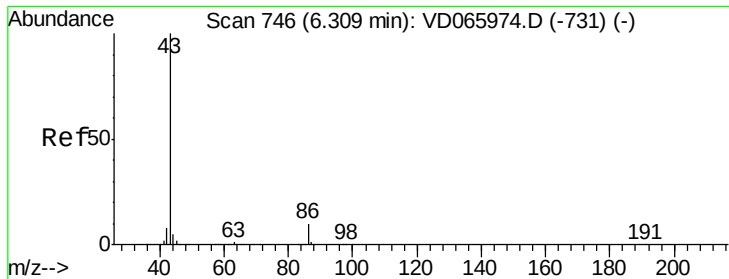
Abundance Ion 45.00 (44.70 to 45.70): VDC

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: 104.641 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

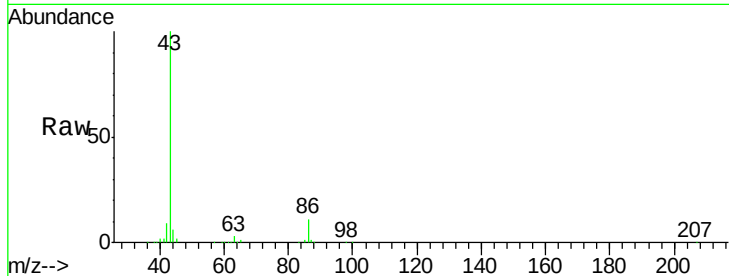
VD0723SBS01

Tot Ion: 43 Resp: 485689

Ion Ratio Lower Upper

43 100

86 10.7 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

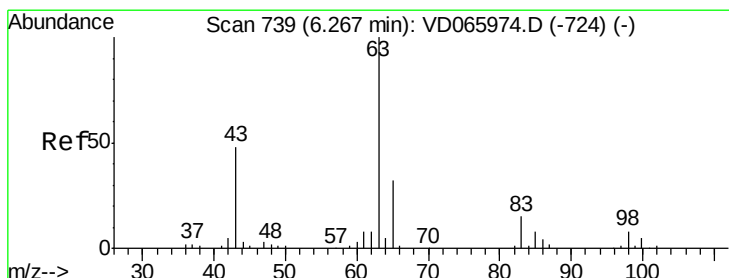
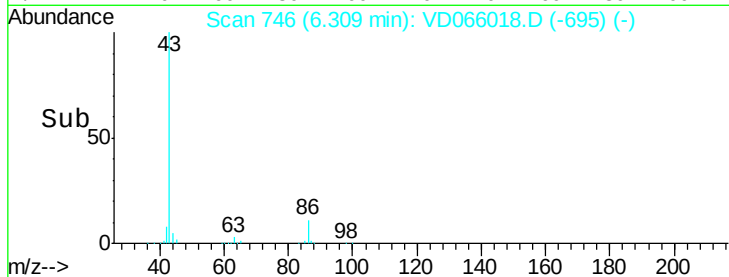
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.885 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

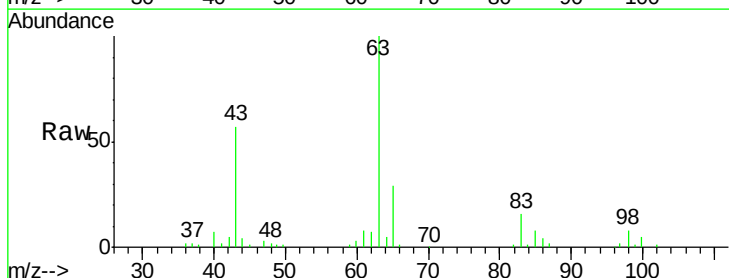
Tgt Ion: 63 Resp: 109133

Ion Ratio Lower Upper

63 100

98 7.8 4.3 12.8

100 5.4 2.5 7.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

40000

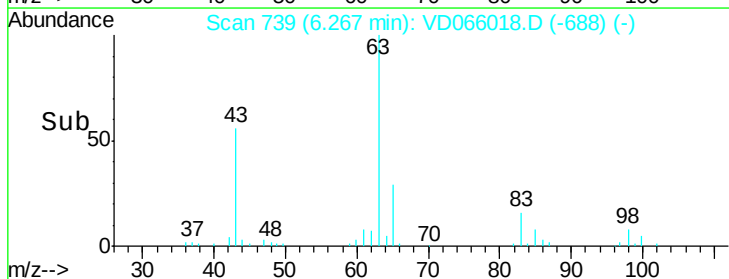
30000

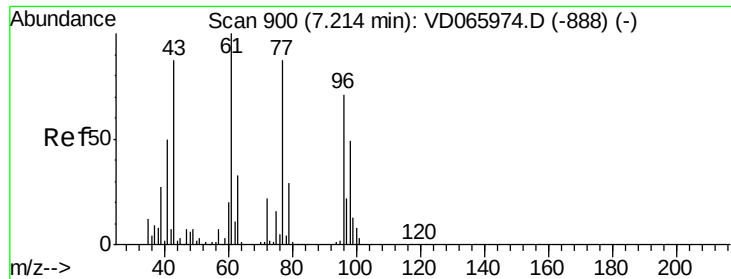
20000

10000

0

Time-->





#25

2-Butanone

Concen: 94.454 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

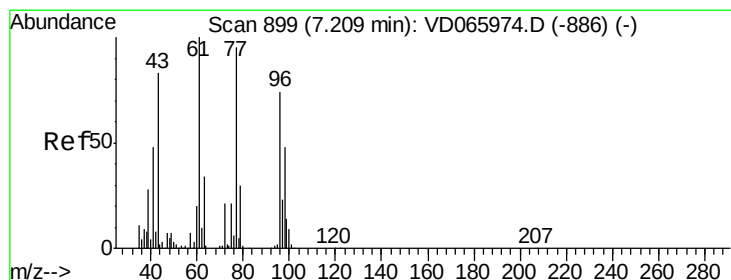
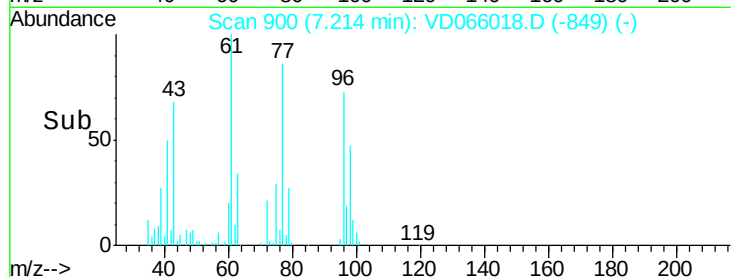
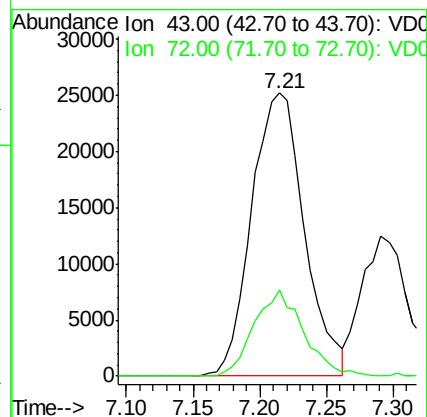
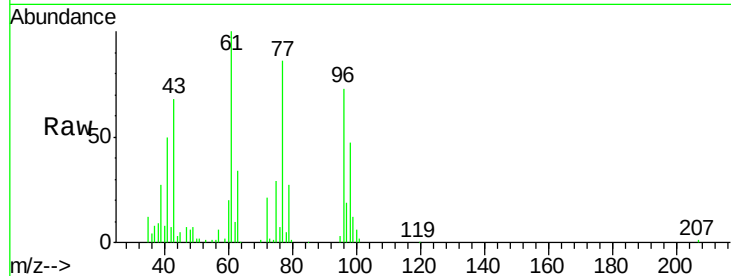
VD0723SBSD01

Tot Ion: 43 Resp: 69189

Ion Ratio Lower Upper

43 100

72 30.3 20.2 30.2#



#26

2,2-Dichloropropane

Concen: 22.057 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066018.D

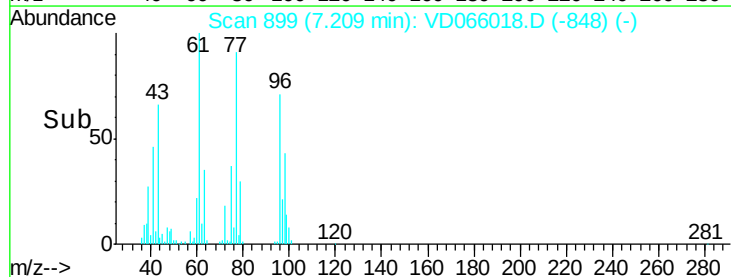
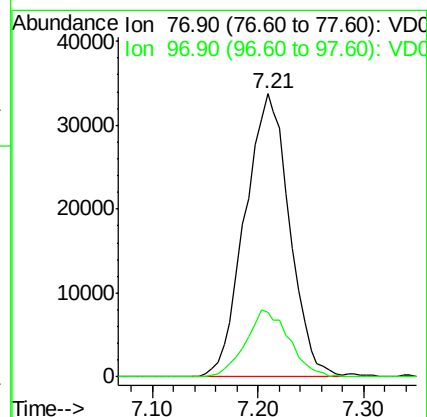
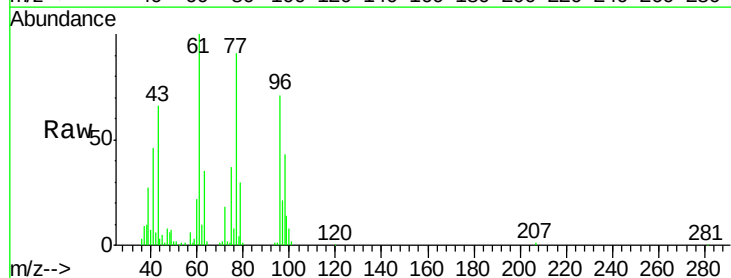
Acq: 23 Jul 2020 12:23

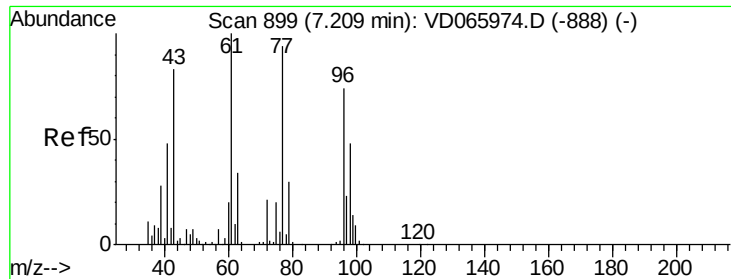
Tgt Ion: 77 Resp: 98909

Ion Ratio Lower Upper

77 100

97 23.1 11.6 34.7



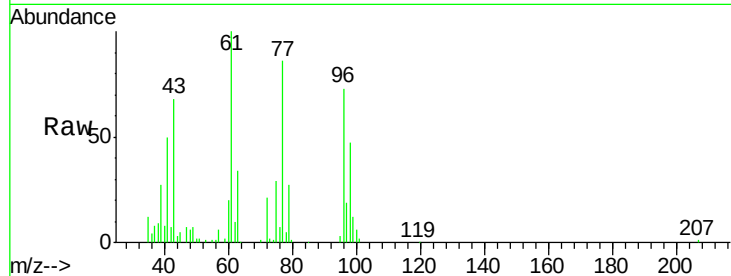


#27

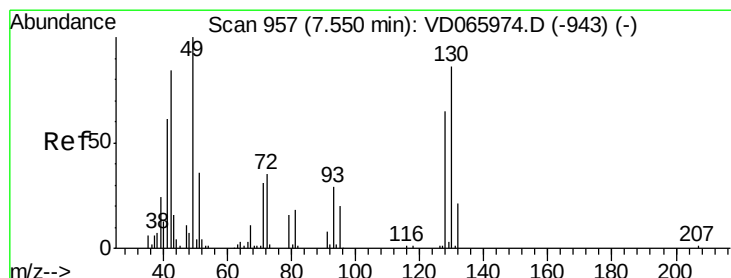
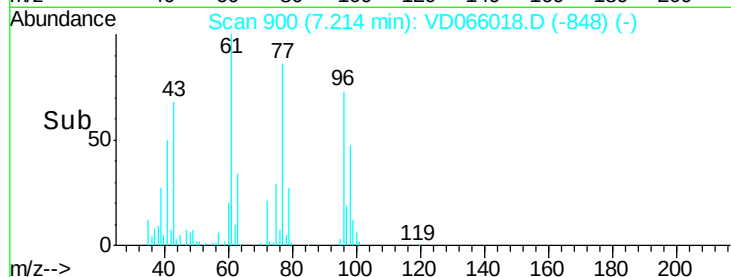
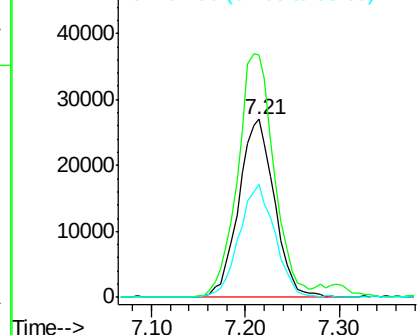
cis-1,2-Dichloroethene
 Concen: 21.447 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD066018.D
 Acq: 23 Jul 2020 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0723SBSD01

Tot Ion: 96 Resp: 71121
 Ion Ratio Lower Upper
 96 100
 61 139.7 0.0 276.6
 98 63.2 0.0 130.8



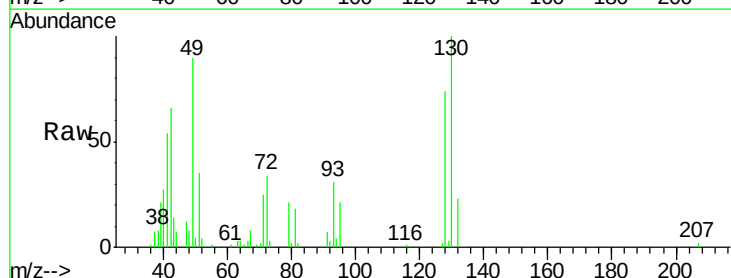
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



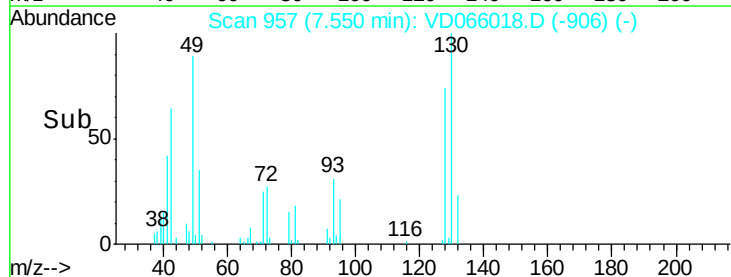
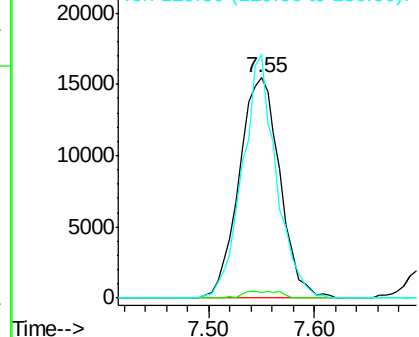
#28

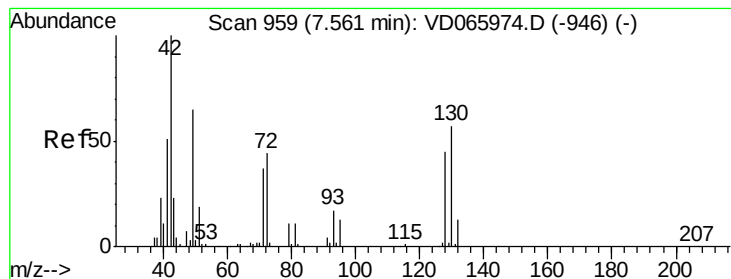
Bromochloromethane
 Concen: 19.531 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD066018.D
 Acq: 23 Jul 2020 12:23

Tgt Ion: 49 Resp: 41336
 Ion Ratio Lower Upper
 49 100
 129 2.8 0.0 4.8
 130 92.1 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: 97.156 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.00 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD0723SBS01

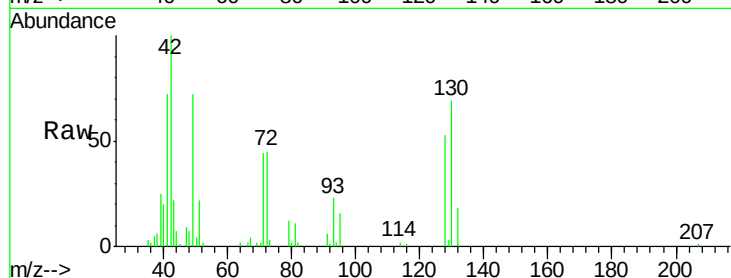
Tot Ion: 42 Resp: 43911

Ion Ratio Lower Upper

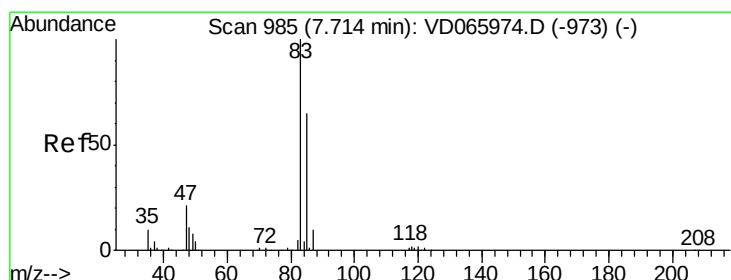
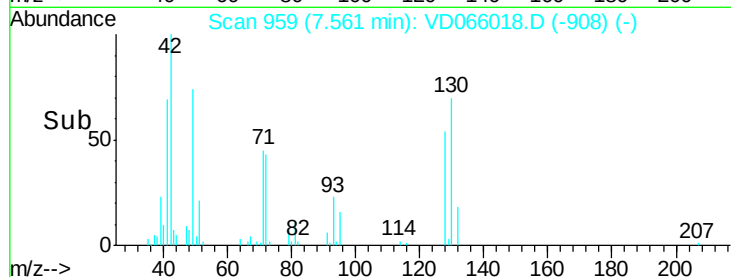
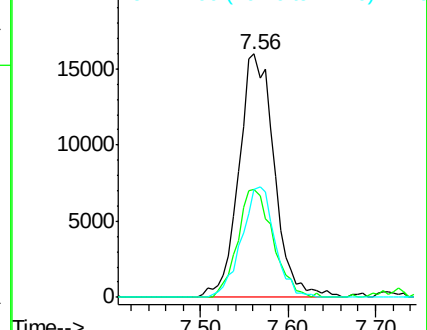
42 100

72 44.0 34.2 51.2

71 42.3 31.4 47.2



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



#30

Chloroform

Concen: 21.569 ug/l

RT: 7.71 min Scan# 984

Delta R.T. -0.01 min

Lab File: VD066018.D

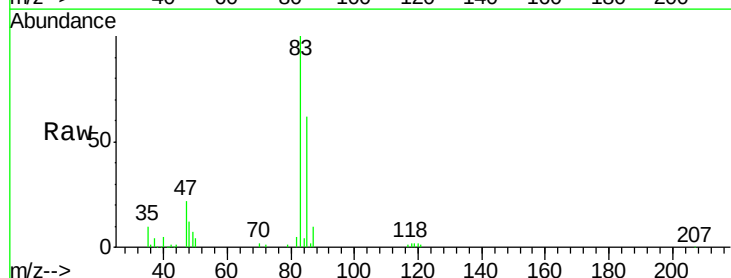
Acq: 23 Jul 2020 12:23

Tgt Ion: 83 Resp: 112506

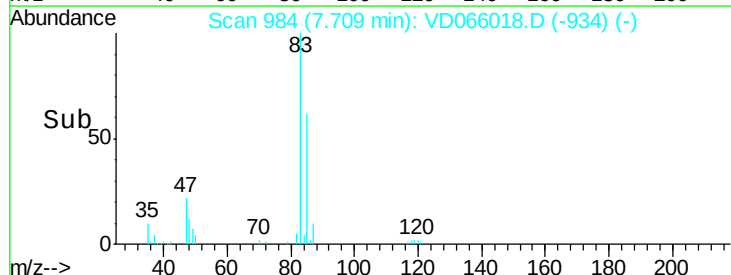
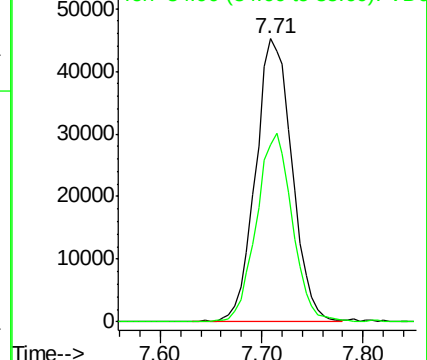
Ion Ratio Lower Upper

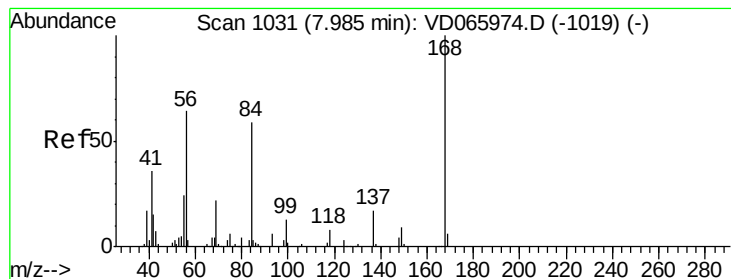
83 100

85 62.5 52.1 78.1



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





#31

Cyclohexane

Concen: 20.459 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD0723SBSD01

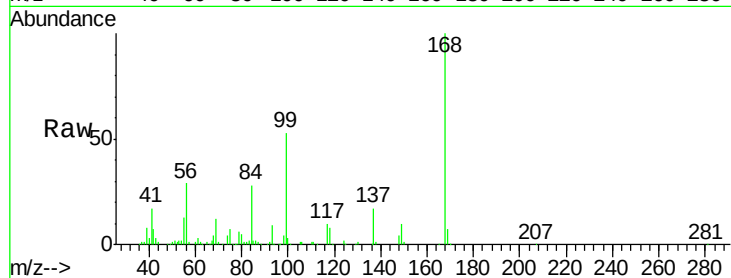
Tot Ion: 56 Resp: 100372

Ion Ratio Lower Upper

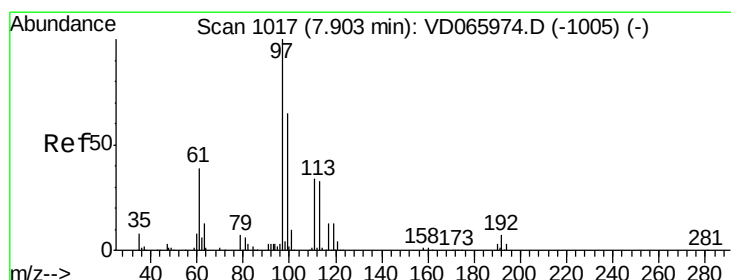
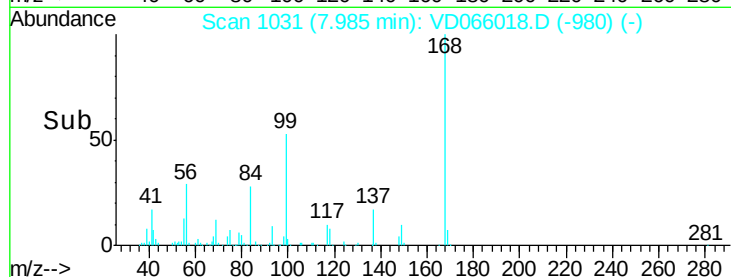
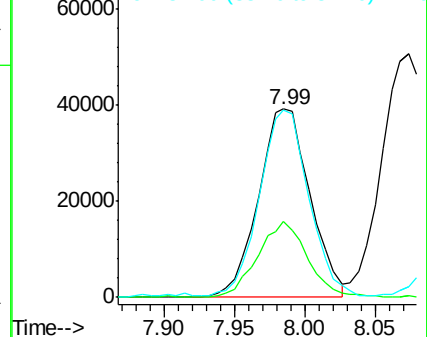
56 100

69 40.5 28.0 42.0

84 98.4 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: 21.743 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

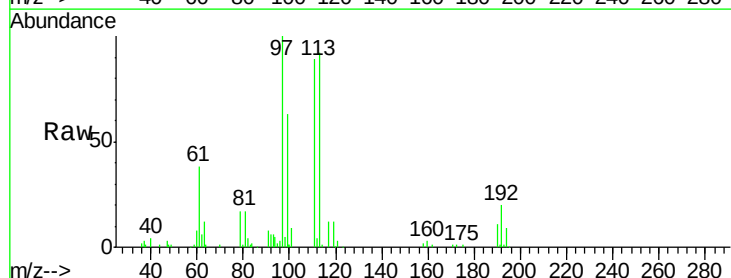
Tgt Ion: 97 Resp: 104910

Ion Ratio Lower Upper

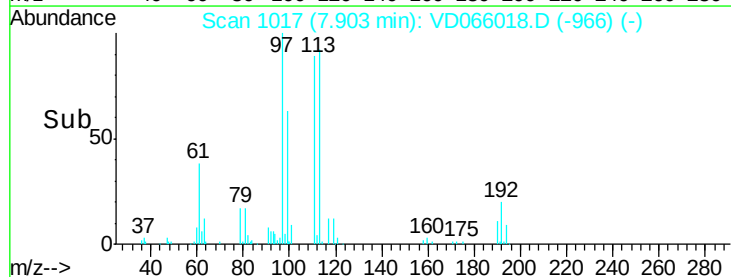
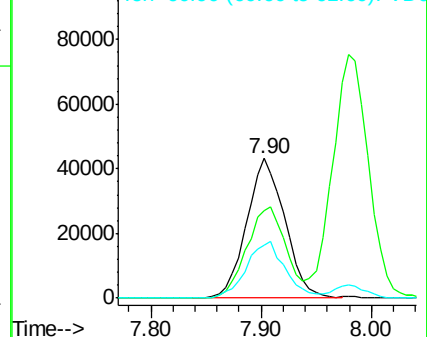
97 100

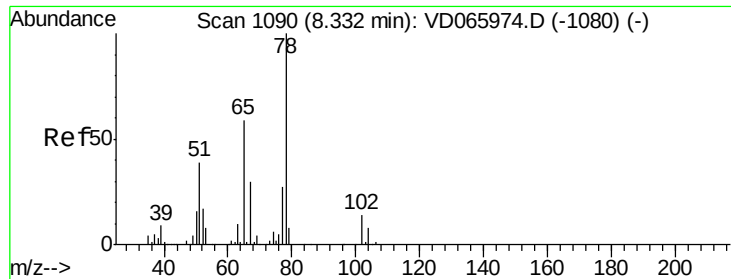
99 66.7 51.8 77.6

61 41.4 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

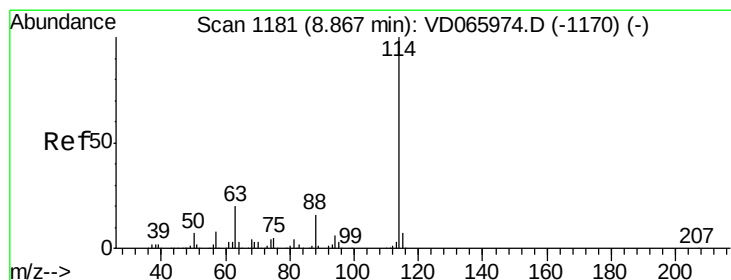
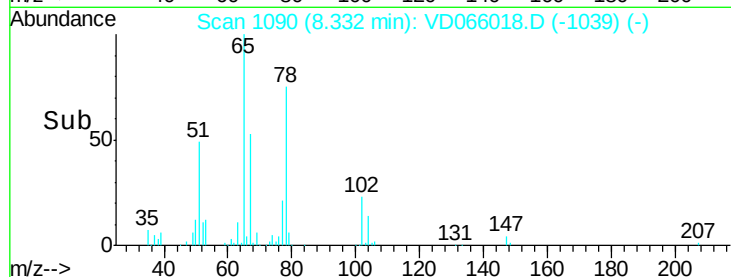
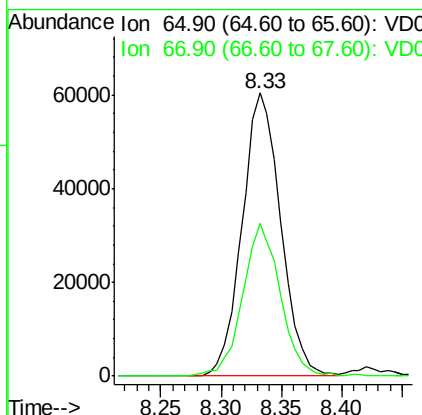
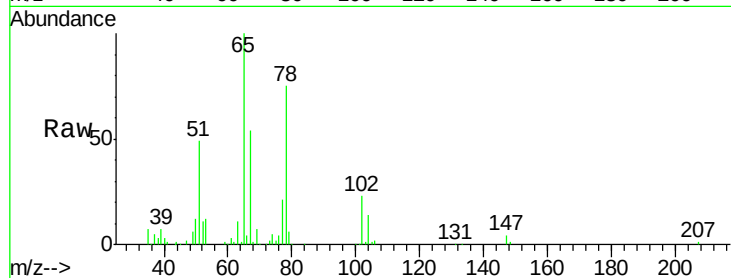




#33
 1,2-Dichloroethane-d4
 Concen: 49.440 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD066018.D
 Acq: 23 Jul 2020 12:23

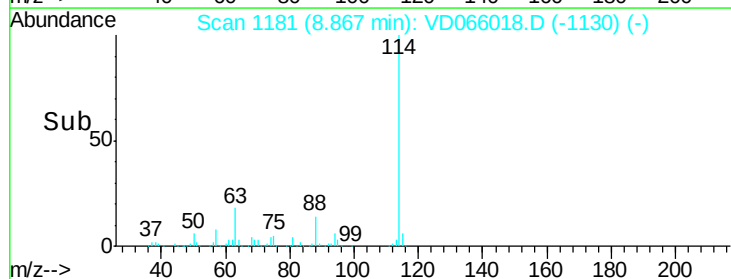
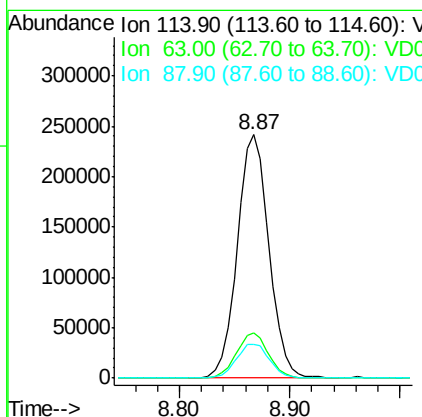
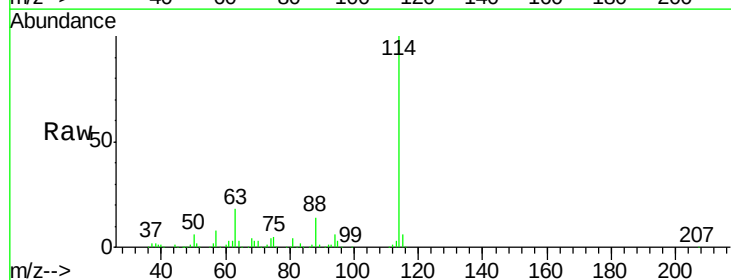
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0723SBSD01

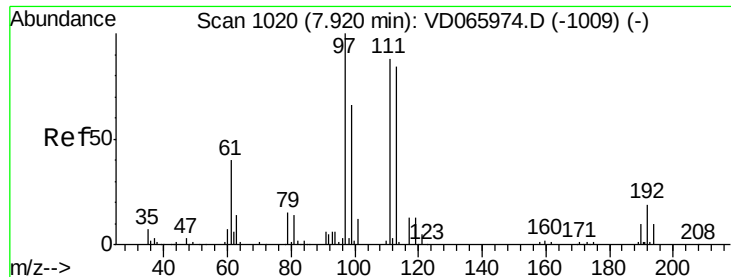
Tot Ion: 65 Resp: 134838
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD066018.D
 Acq: 23 Jul 2020 12:23

Tgt Ion: 114 Resp: 487231
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 39.6
 88 13.9 0.0 31.2

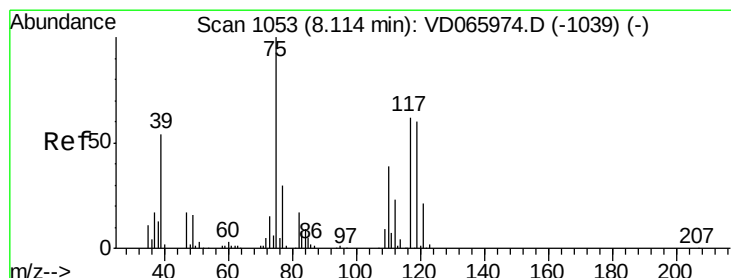
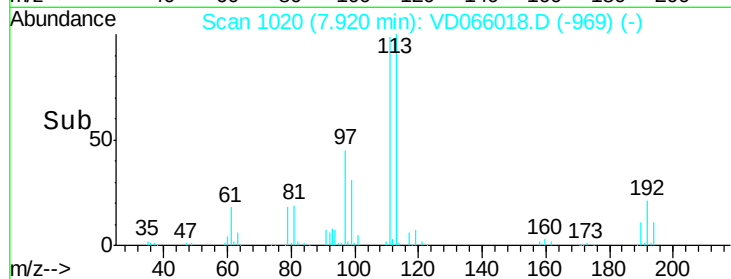
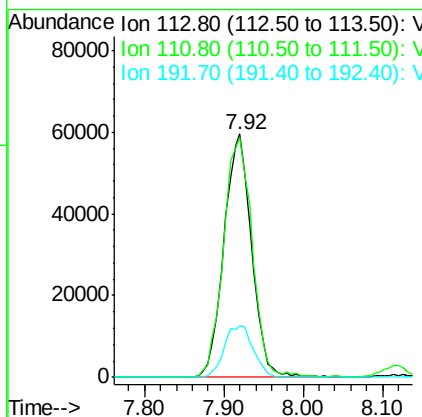
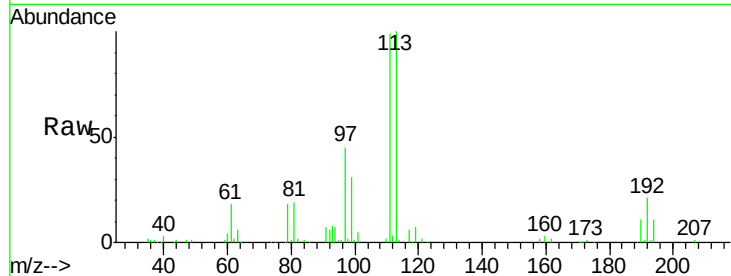




#35
 Dibromofluoromethane
 Concen: 48.543 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD066018.D
 Acq: 23 Jul 2020 12:23

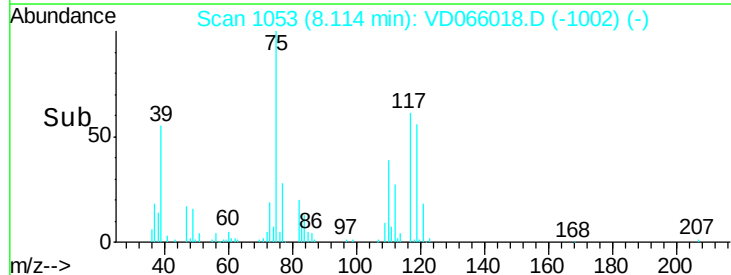
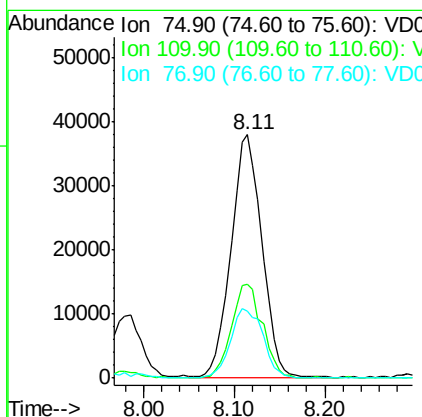
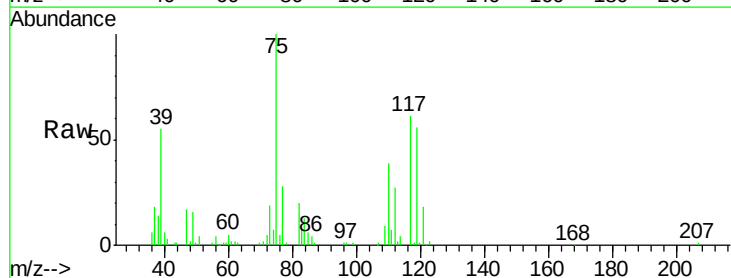
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0723SBSD01

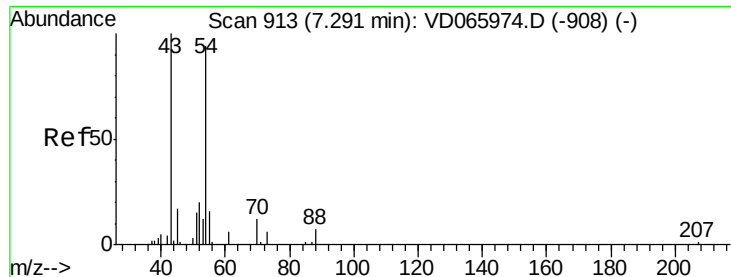
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.2	83.2	124.8
192	22.3	18.7	28.1



#36
 1,1-Dichloropropene
 Concen: 21.811 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD066018.D
 Acq: 23 Jul 2020 12:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.5	19.5	58.5
77	29.7	24.7	37.1

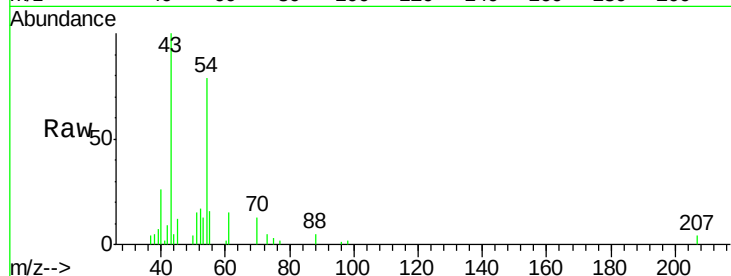




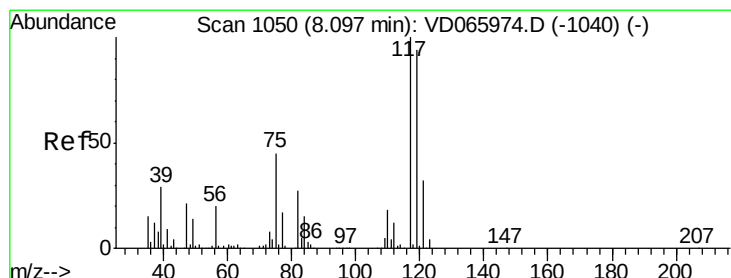
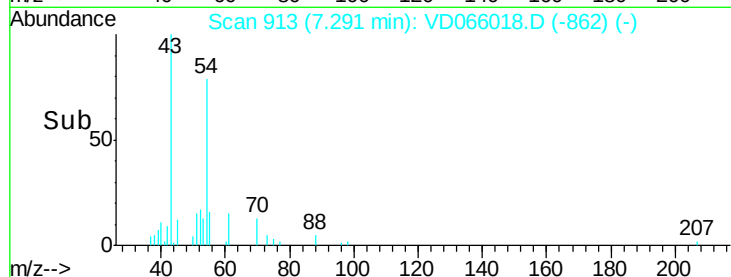
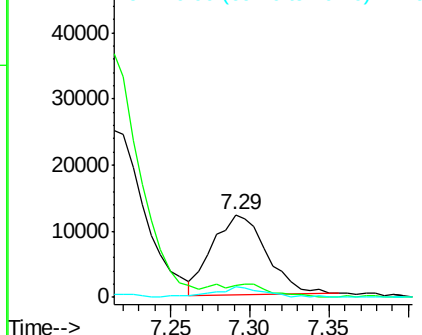
#37
Ethyl Acetate
Concen: 18.079 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD066018.D
Acq: 23 Jul 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD0723SBSD01

Tot Ion: 43 Resp: 28711
Ion Ratio Lower Upper
43 100
61 0.0 11.4 17.0#
70 12.1 9.3 13.9

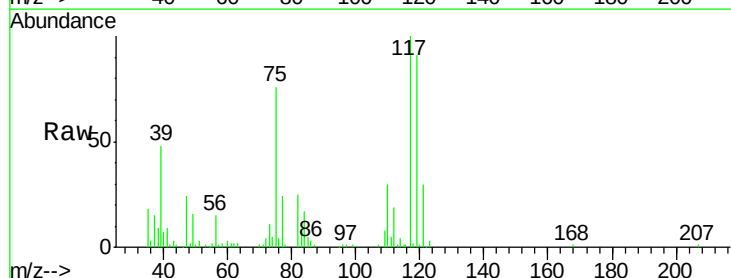


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

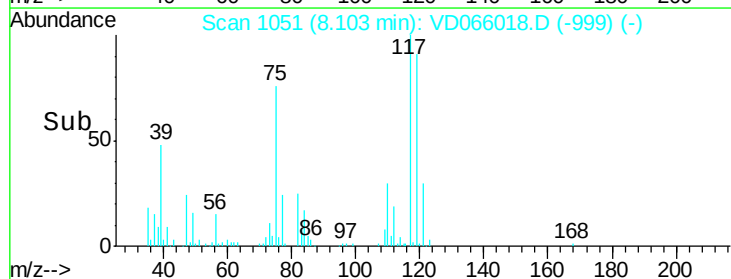
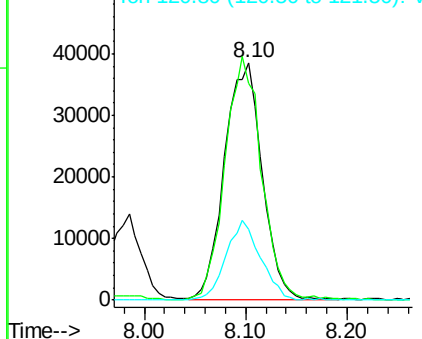


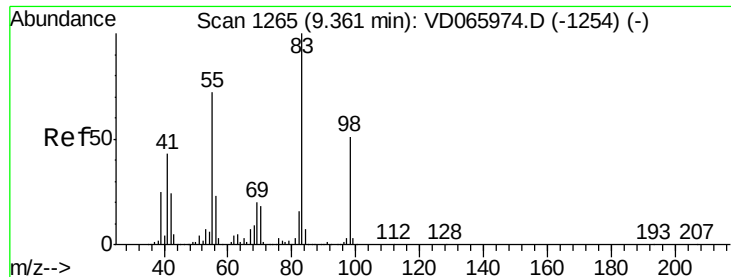
#38
Carbon Tetrachloride
Concen: 22.157 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD066018.D
Acq: 23 Jul 2020 12:23

Tgt Ion: 117 Resp: 99973
Ion Ratio Lower Upper
117 100
119 90.5 75.0 112.6
121 29.8 25.5 38.3



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

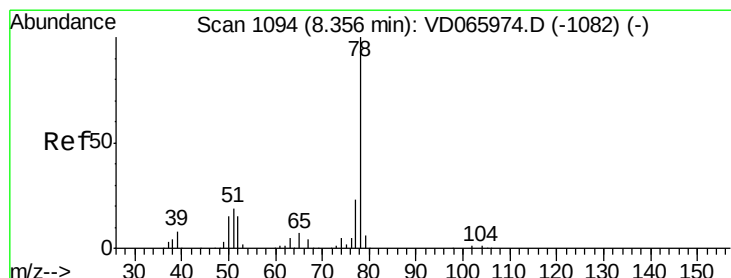
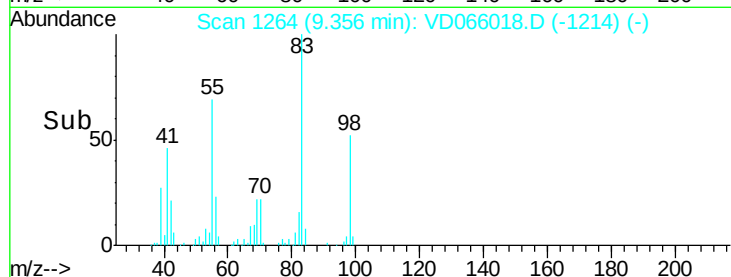
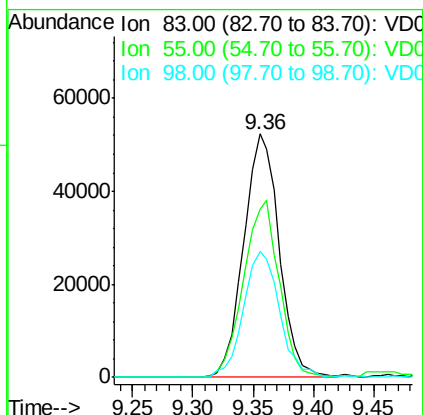
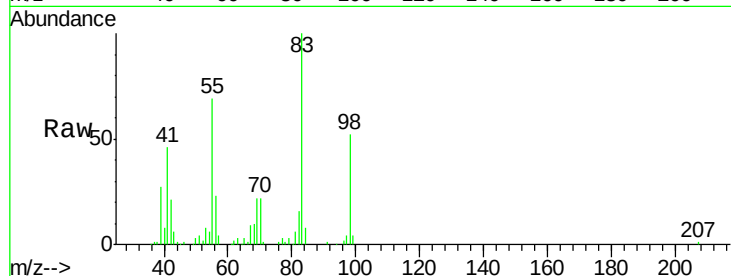




#39
Methylvlcyclohexane
Concen: 21.383 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD066018.D
Acq: 23 Jul 2020 12:23

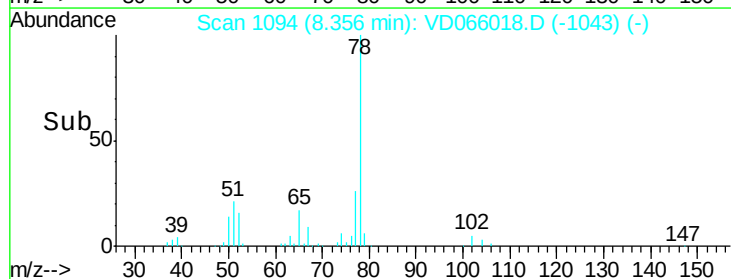
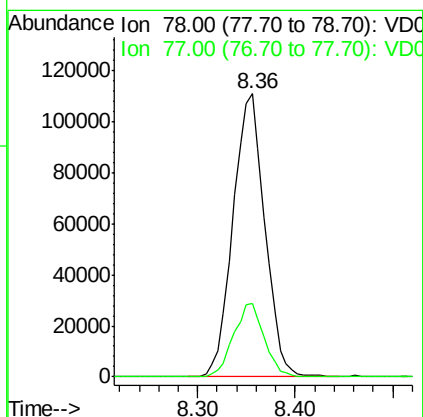
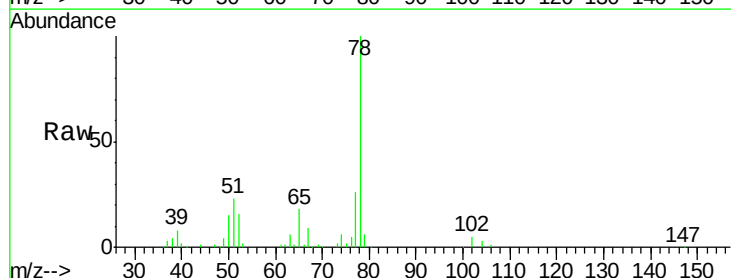
Instrument :
MSVOA_D
ClientSampleId :
VD0723SBSD01

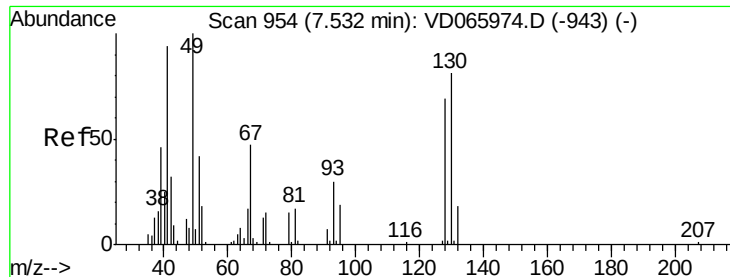
Tot Ion: 83 Resp: 107676
Ion Ratio Lower Upper
83 100
55 69.2 57.3 85.9
98 51.7 41.0 61.6



#40
Benzene
Concen: 21.594 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD066018.D
Acq: 23 Jul 2020 12:23

Tgt Ion: 78 Resp: 251210
Ion Ratio Lower Upper
78 100
77 26.0 18.6 27.8





#41

Methacrylonitrile

Concen: 14.031 ug/l

RT: 7.51 min Scan# 951

Delta R.T. -0.02 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD0723SBSD01

Tot Ion: 41 Resp: 12764

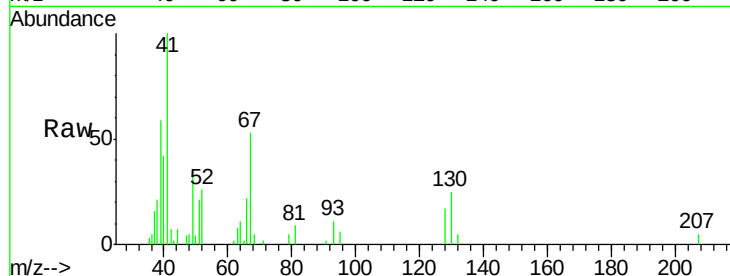
Ion Ratio Lower Upper

41 100

39 110.5 0.0 0.0#

67 97.0 0.0 0.0#

52 48.1 0.0 0.0#

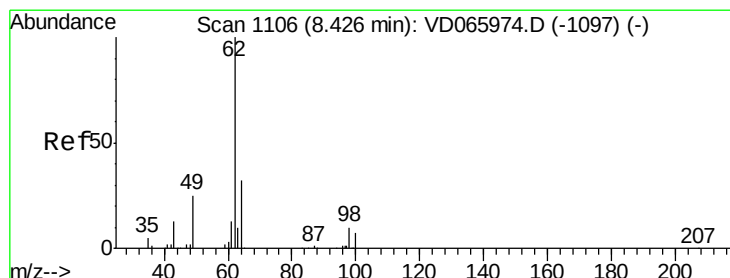
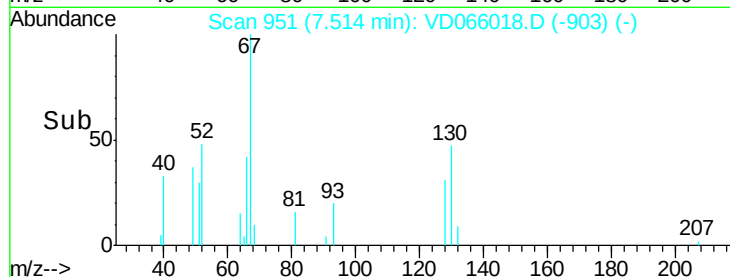
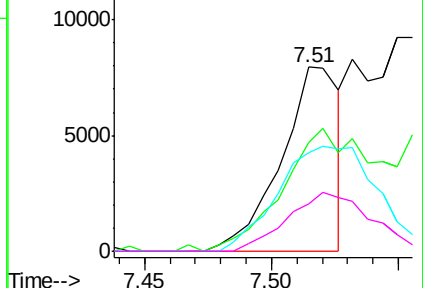


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 22.438 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD066018.D

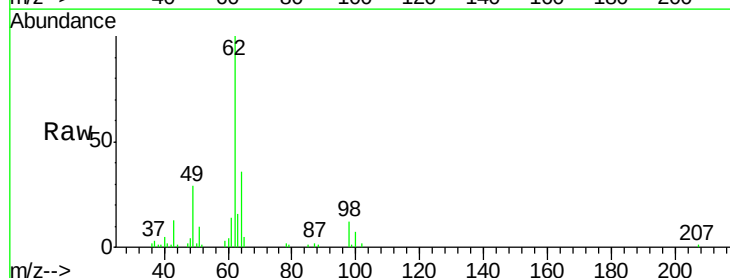
Acq: 23 Jul 2020 12:23

Tgt Ion: 62 Resp: 71529

Ion Ratio Lower Upper

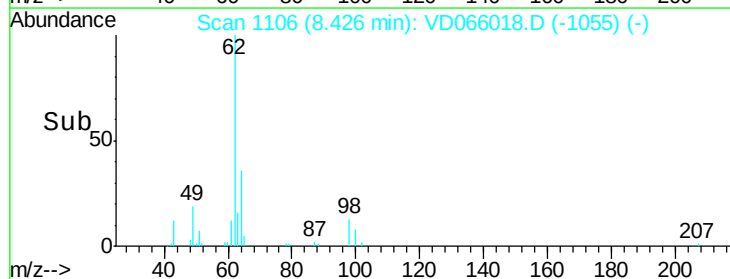
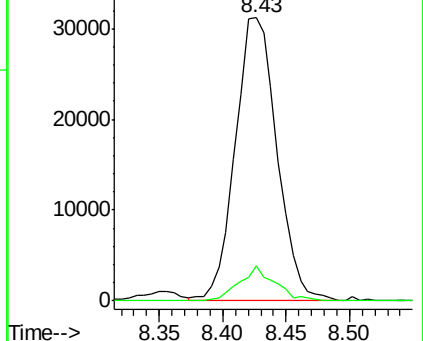
62 100

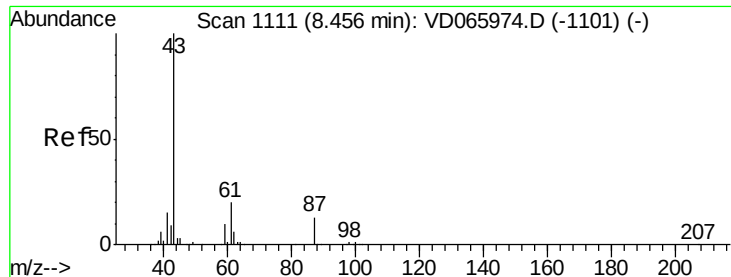
98 10.4 0.0 21.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 19.950 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD0723SBSD01

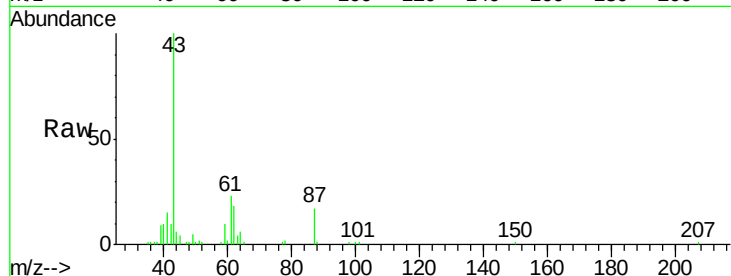
Tot Ion: 43 Resp: 61877

Ion Ratio Lower Upper

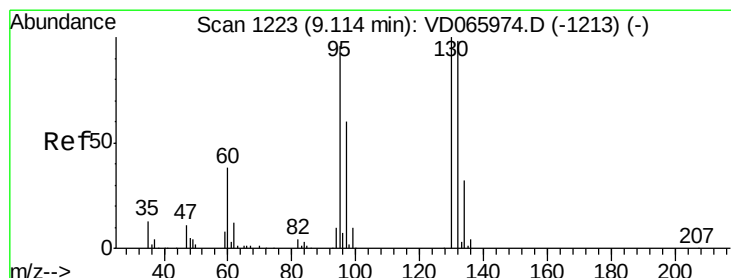
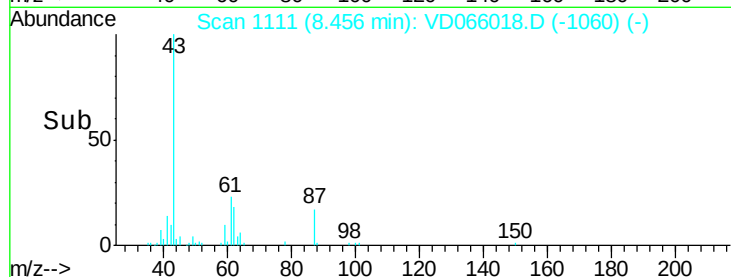
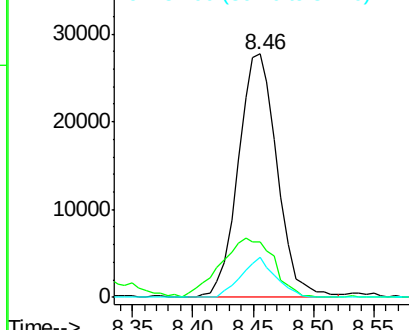
43 100

61 33.2 25.8 38.8

87 14.4 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: 21.716 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD066018.D

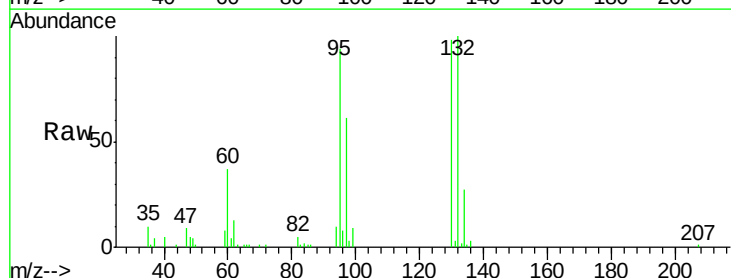
Acq: 23 Jul 2020 12:23

Tgt Ion:130 Resp: 76451

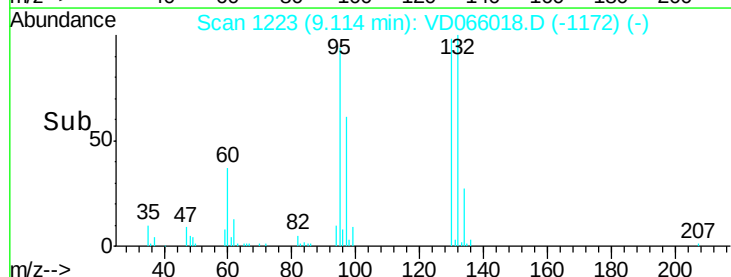
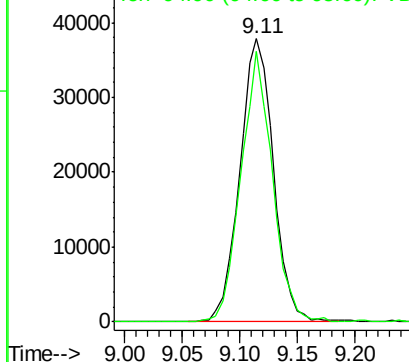
Ion Ratio Lower Upper

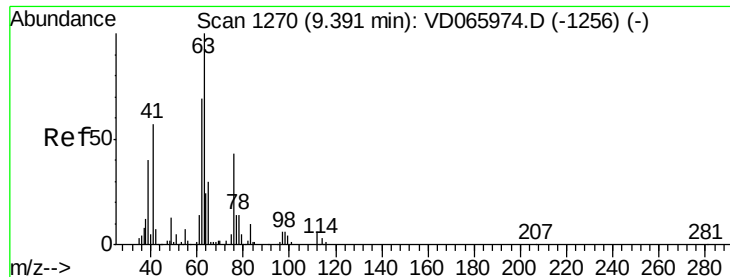
130 100

95 95.5 0.0 191.6



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

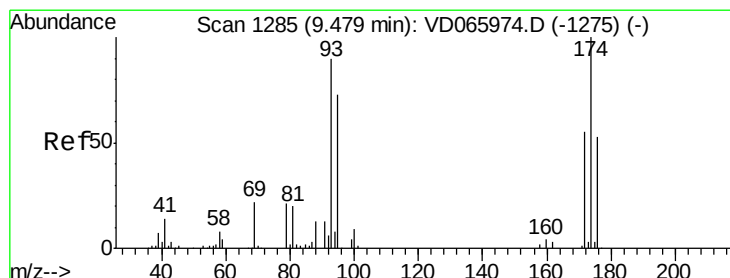
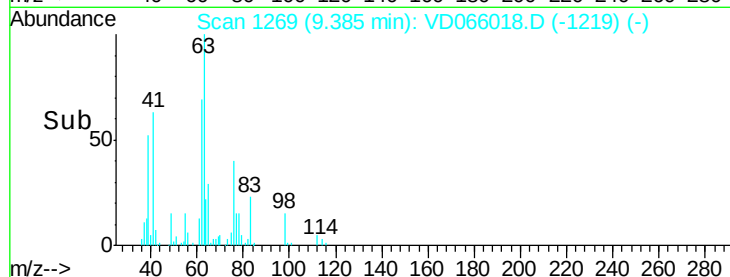
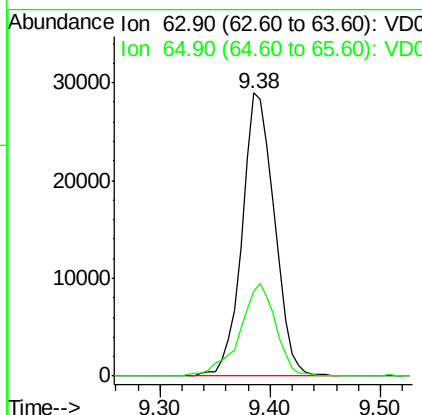
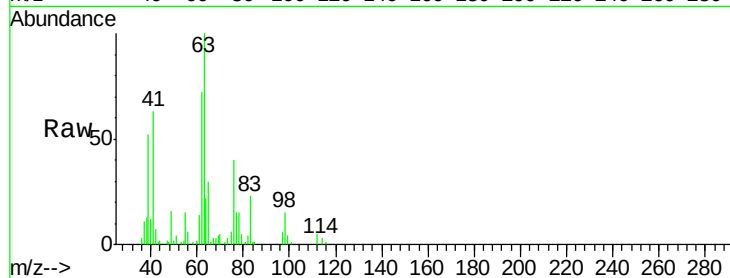




#45
 1,2-Dichloropropane
 Concen: 21.154 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VD066018.D
 Acq: 23 Jul 2020 12:23

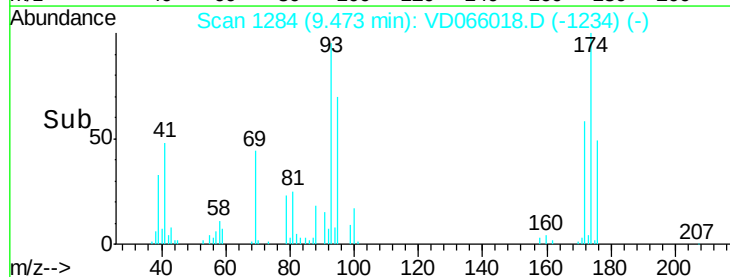
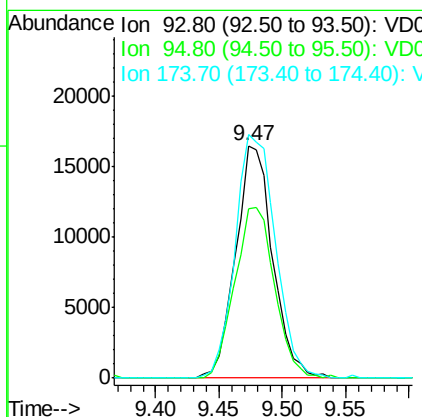
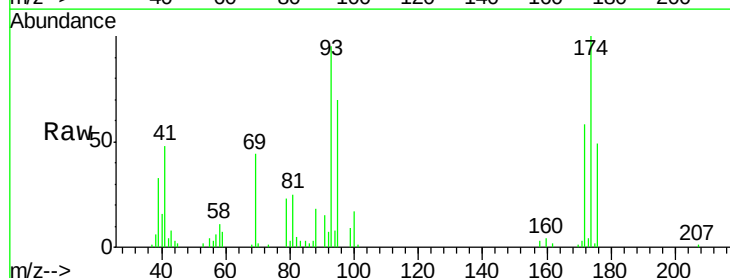
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0723SBSD01

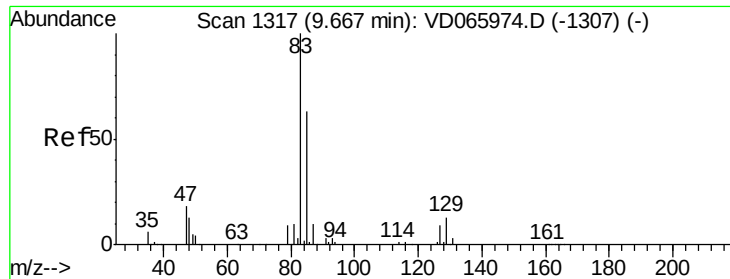
Tot Ion: 63 Resp: 59602
 Ion Ratio Lower Upper
 63 100
 65 30.0 24.0 36.0



#46
 Dibromomethane
 Concen: 21.997 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: VD066018.D
 Acq: 23 Jul 2020 12:23

Tgt Ion: 93 Resp: 33365
 Ion Ratio Lower Upper
 93 100
 95 79.0 66.2 99.4
 174 114.0 91.5 137.3





#47

Bromodichloromethane

Concen: 21.404 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD0723SBSD01

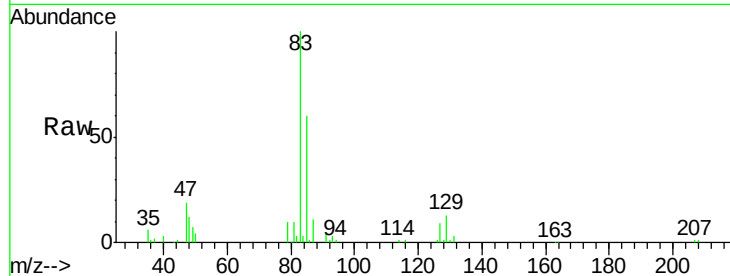
Tot Ion: 83 Resp: 85842

Ion Ratio Lower Upper

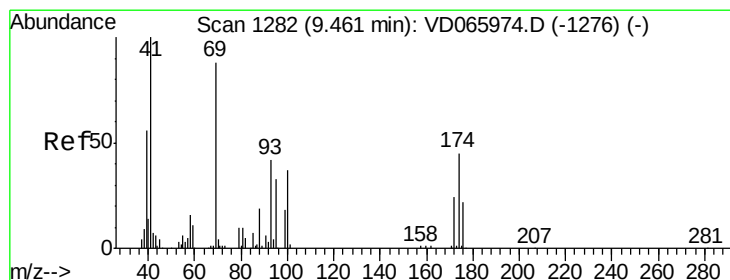
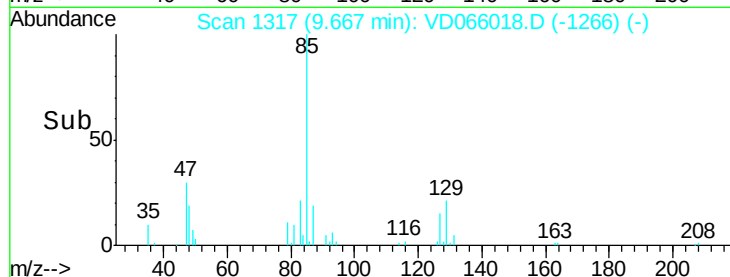
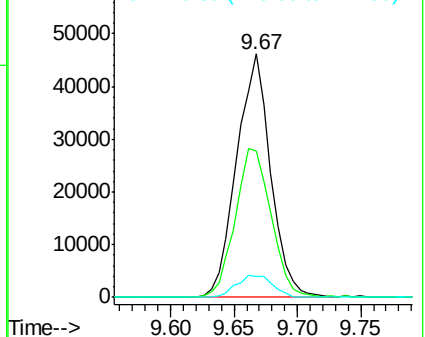
83 100

85 59.9 50.6 75.8

127 8.8 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: 20.947 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

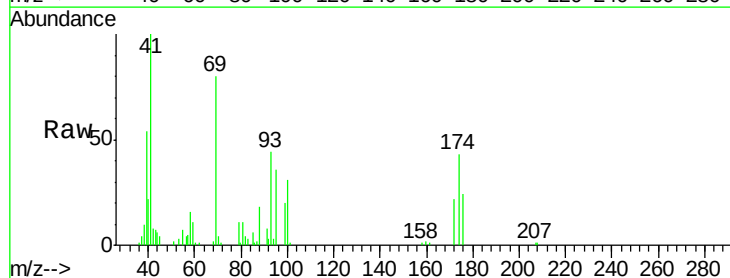
Tgt Ion: 41 Resp: 32773

Ion Ratio Lower Upper

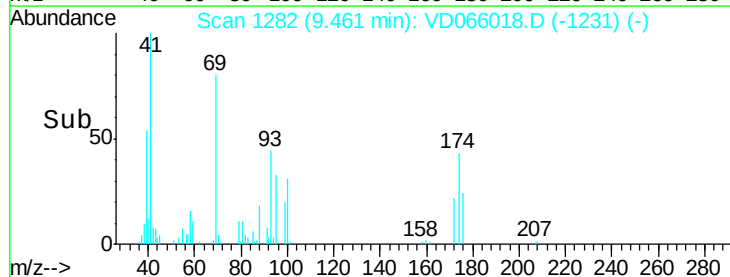
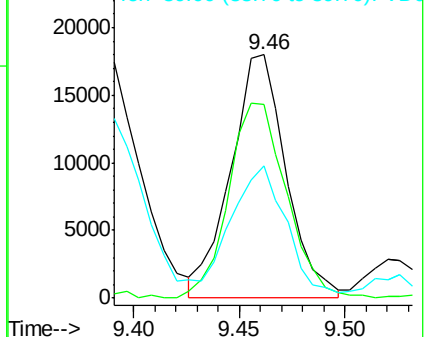
41 100

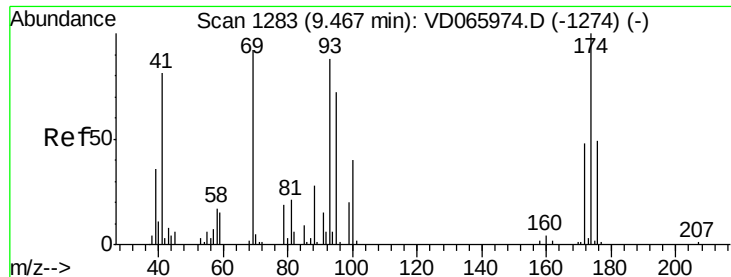
69 83.9 65.1 97.7

39 50.0 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

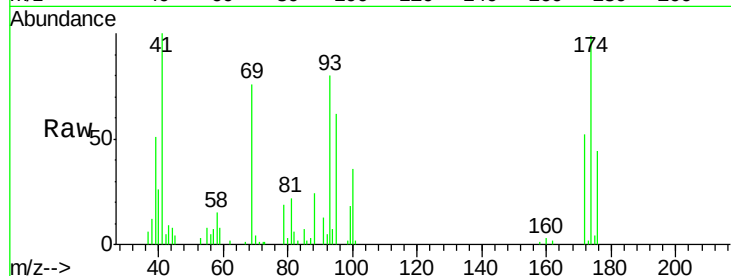




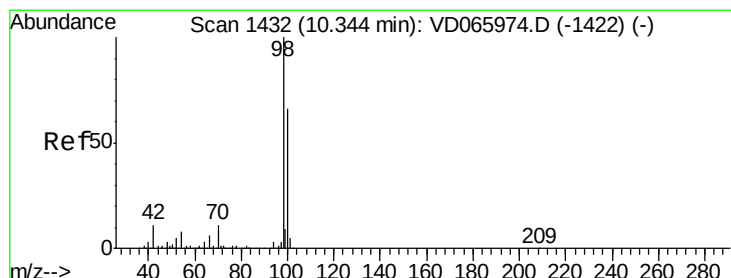
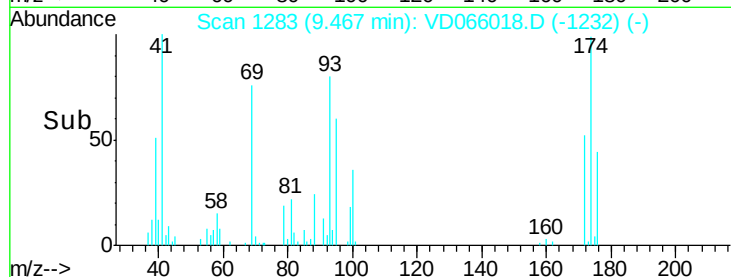
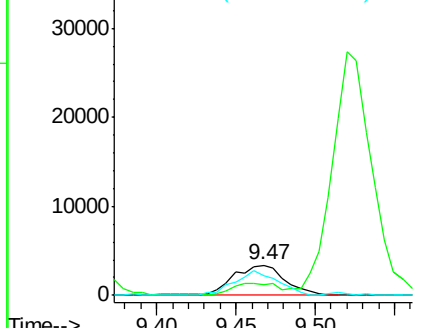
#49
1,4-Dioxane
Concen: 432.323 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD066018.D
Acq: 23 Jul 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD0723SBSD01

Tot Ion: 88 Resp: 7597
Ion Ratio Lower Upper
88 100
43 35.9 29.0 43.6
58 68.9 57.0 85.4

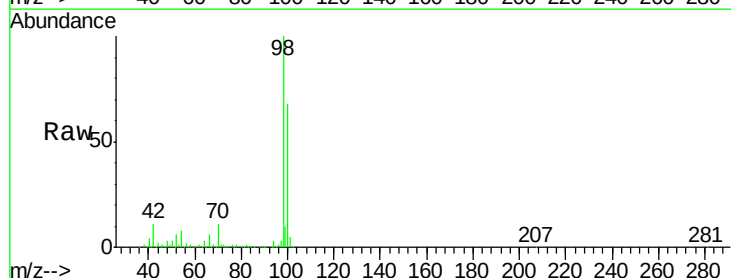


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

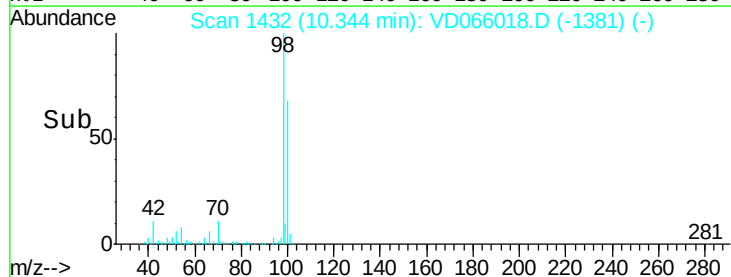
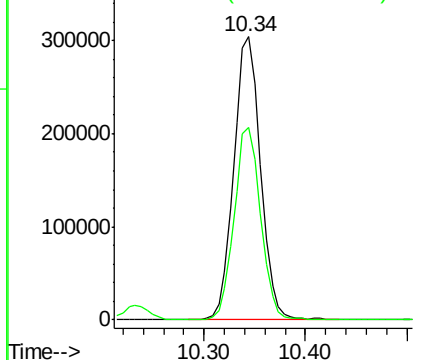


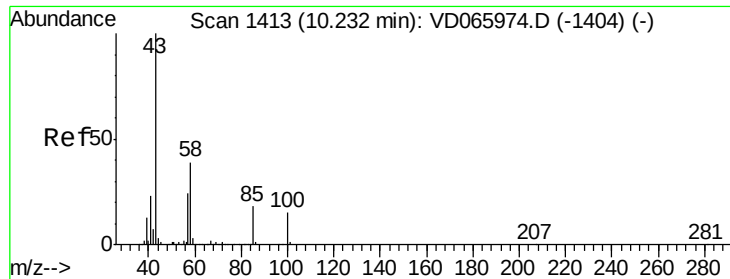
#50
Toluene-d8
Concen: 50.620 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD066018.D
Acq: 23 Jul 2020 12:23

Tgt Ion: 98 Resp: 557270
Ion Ratio Lower Upper
98 100
100 67.6 52.7 79.1



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

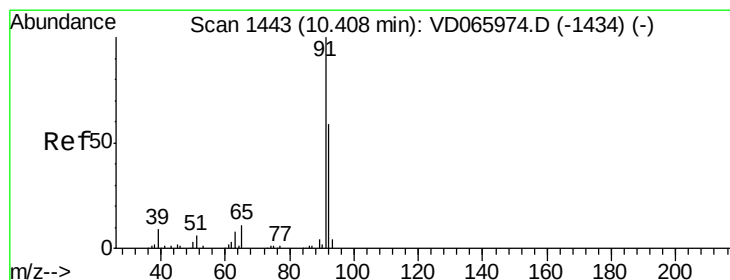
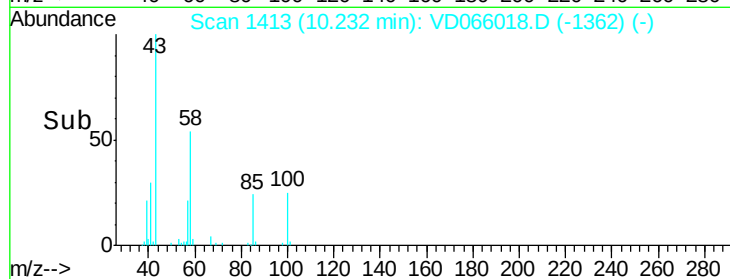
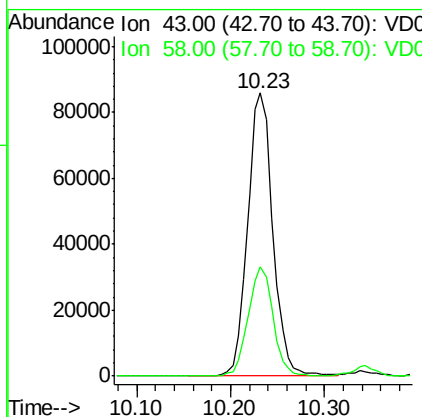
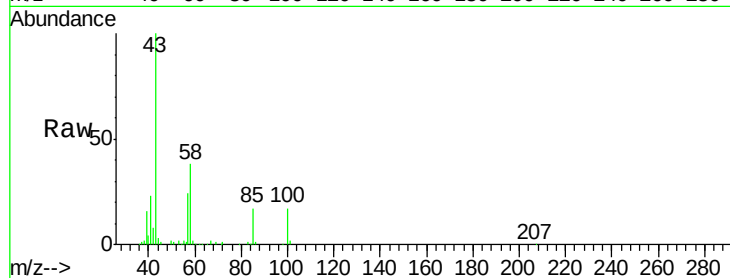




#51
4-Methyl-2-Pentanone
Concen: 101.919 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD066018.D
Acq: 23 Jul 2020 12:23

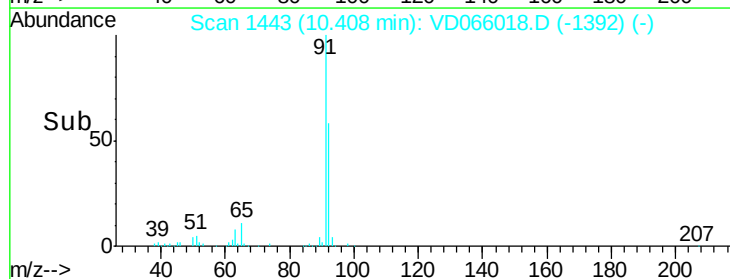
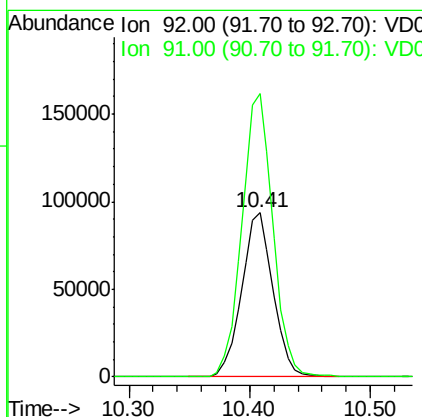
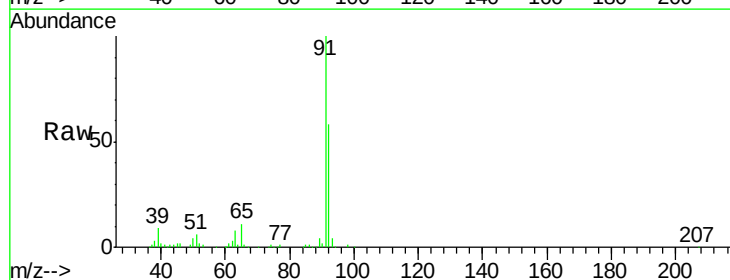
Instrument :
MSVOA_D
ClientSampleId :
VD0723SBS01

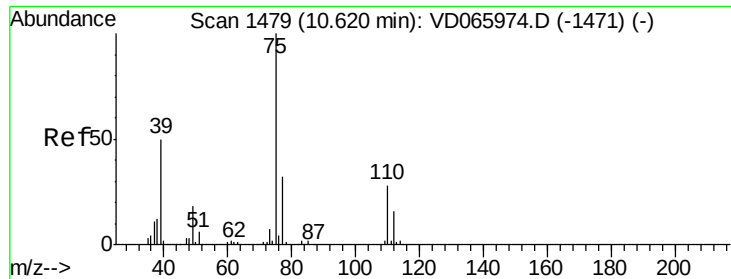
Tot Ion: 43 Resp: 159279
Ion Ratio Lower Upper
43 100
58 38.0 31.3 46.9



#52
Toluene
Concen: 22.343 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD066018.D
Acq: 23 Jul 2020 12:23

Tgt Ion: 92 Resp: 169506
Ion Ratio Lower Upper
92 100
91 170.7 134.5 201.7





#53

t-1,3-Dichloropropene

Concen: 21.354 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

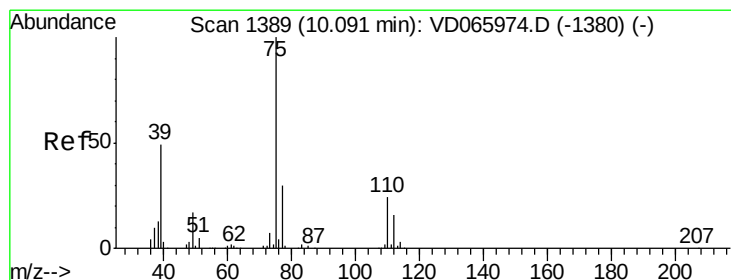
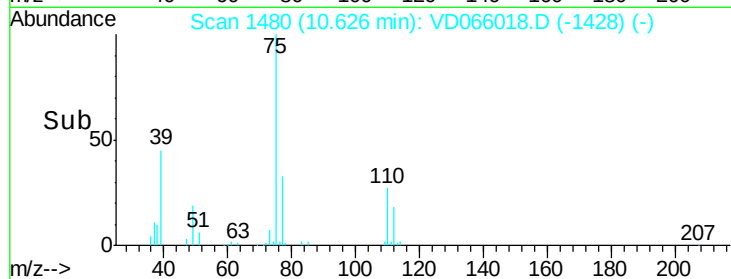
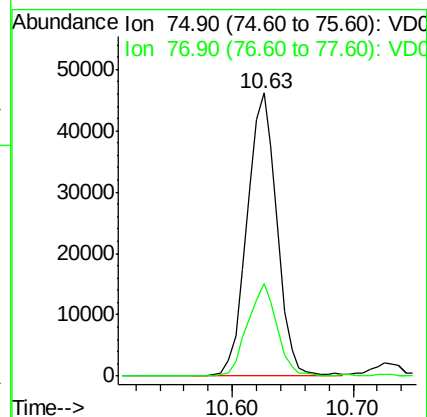
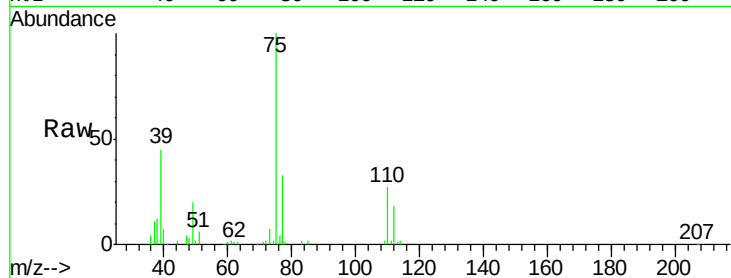
VD0723SBSD01

Tot Ion: 75 Resp: 79785

Ion Ratio Lower Upper

75 100

77 32.8 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 22.224 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.01 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

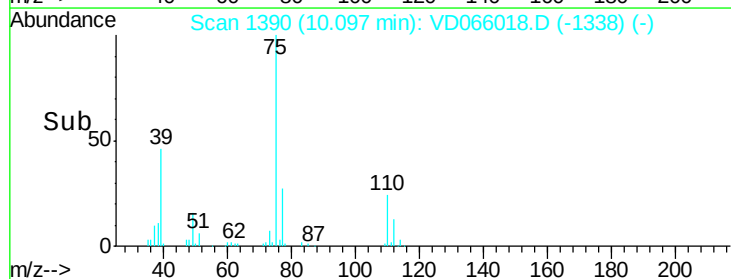
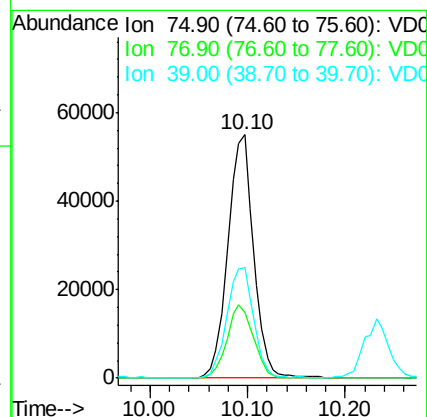
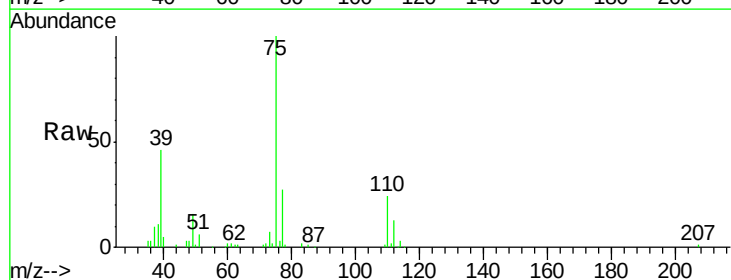
Tgt Ion: 75 Resp: 100654

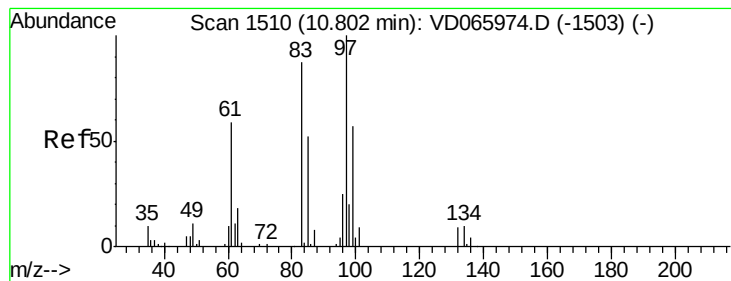
Ion Ratio Lower Upper

75 100

77 26.9 23.8 35.8

39 45.6 38.8 58.2





#55

1,1,2-Trichloroethane

Concen: 21.118 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD0723SBS01

Tot Ion: 97 Resp: 45427

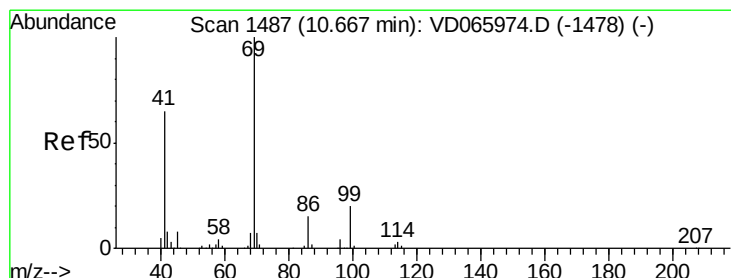
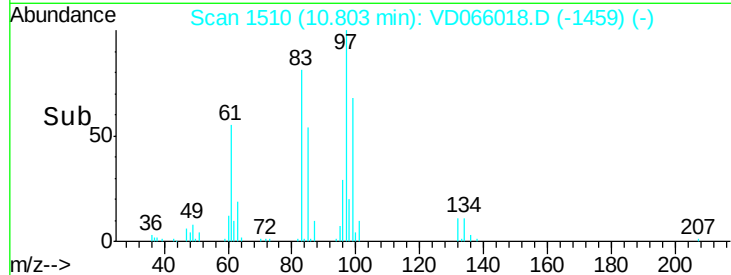
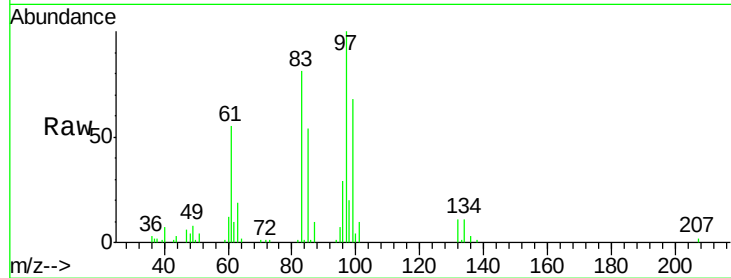
Ion	Ratio	Lower	Upper
97	100		
83	81.5	69.7	104.5
85	54.3	41.6	62.4
99	67.8	45.9	68.9

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: 20.926 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

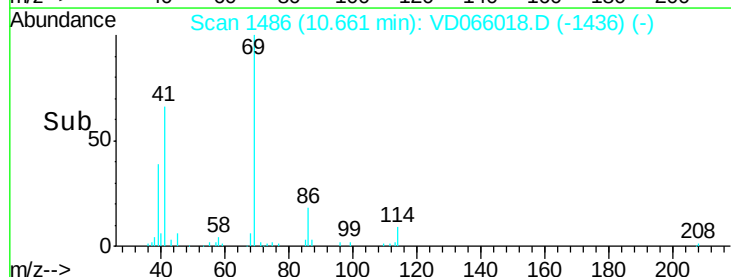
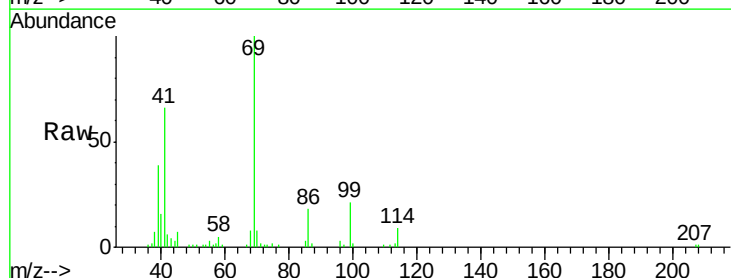
Tgt Ion: 69 Resp: 52337

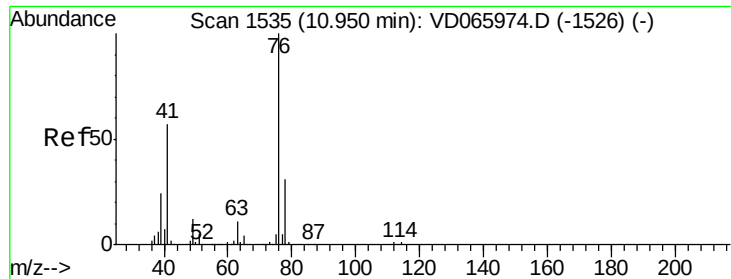
Ion	Ratio	Lower	Upper
69	100		
41	68.0	52.3	78.5
39	33.4	25.2	37.8

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: 21.325 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

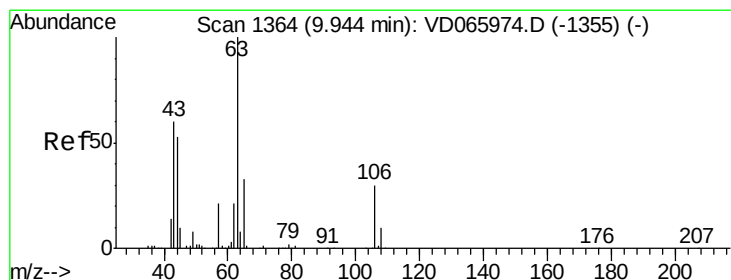
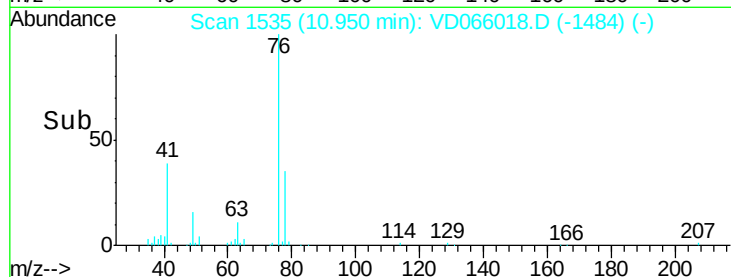
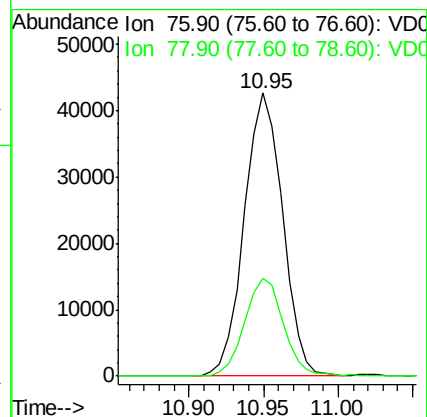
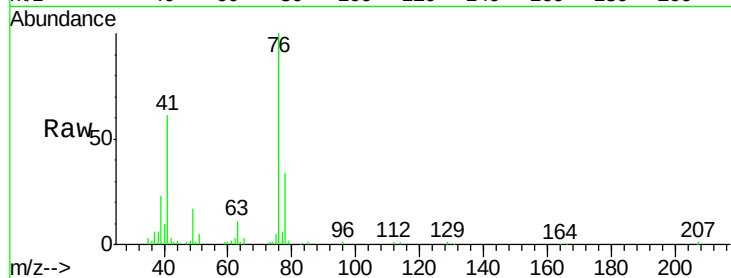
VD0723SBS01

Tot Ion: 76 Resp: 75942

Ion Ratio Lower Upper

76 100

78 34.8 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 110.461 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD066018.D

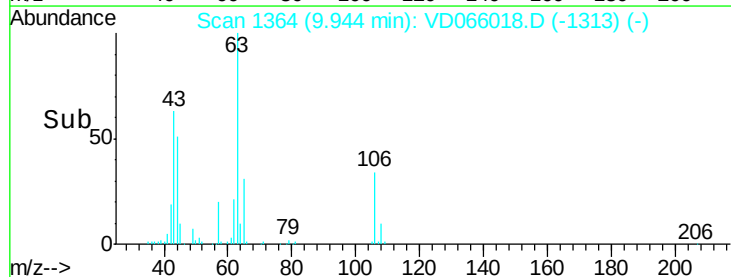
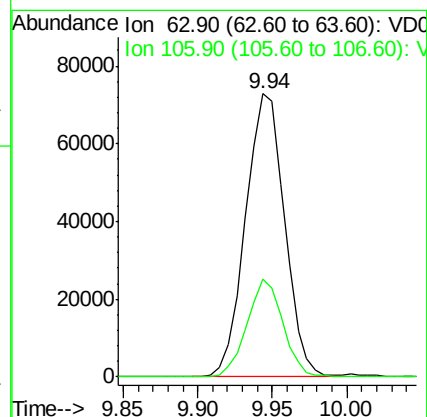
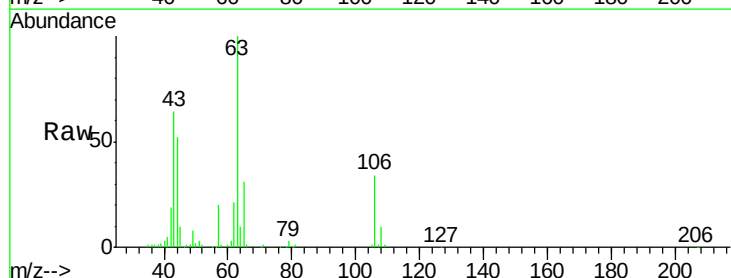
Acq: 23 Jul 2020 12:23

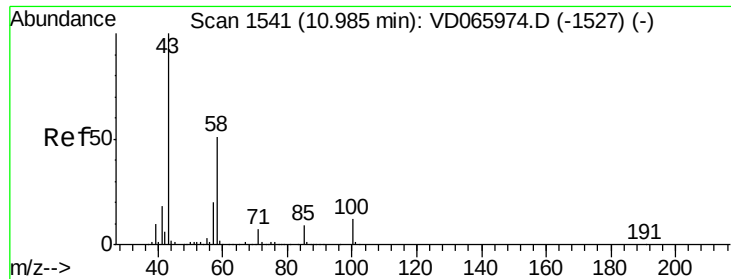
Tgt Ion: 63 Resp: 131974

Ion Ratio Lower Upper

63 100

106 31.7 24.4 36.6

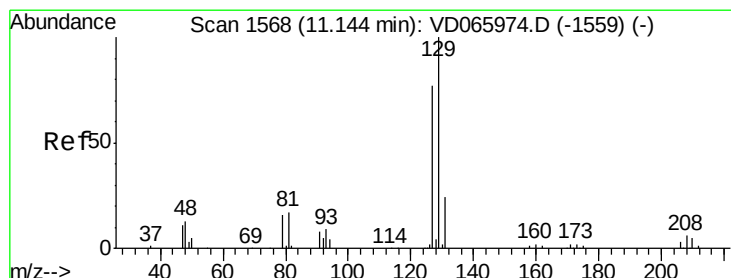
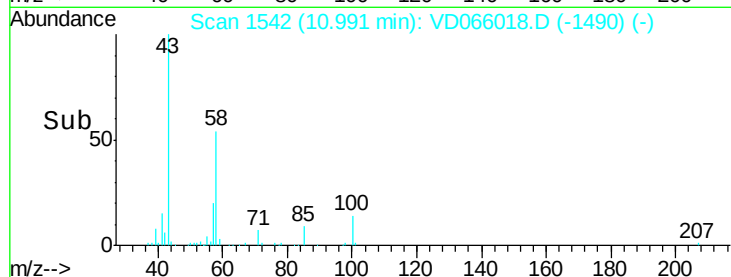
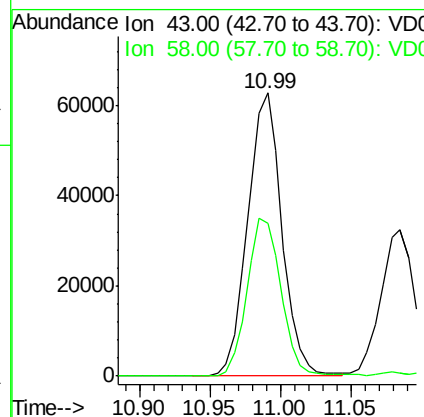
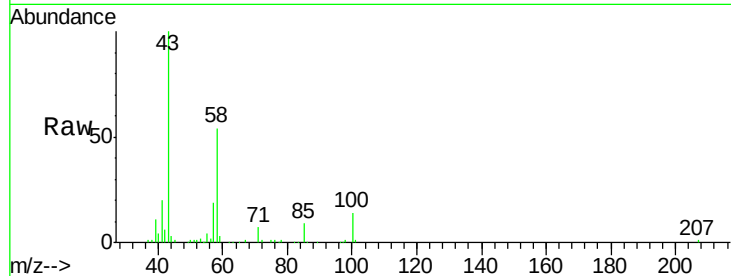




#59
2-Hexanone
Concen: 98.764 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD066018.D
Acq: 23 Jul 2020 12:23

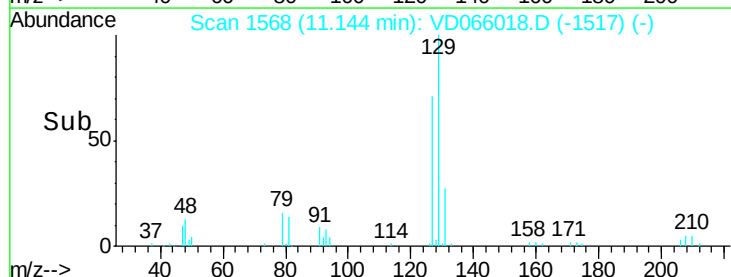
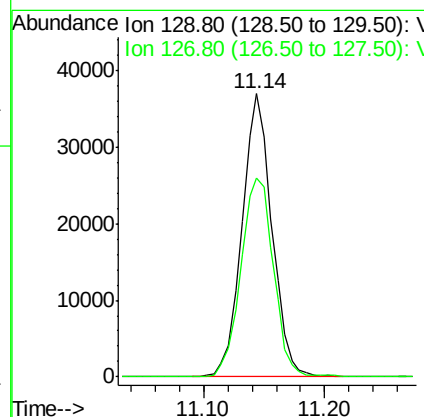
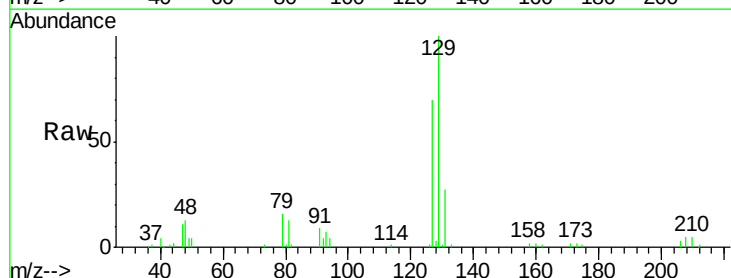
Instrument :
MSVOA_D
ClientSampleId :
VD0723SBSD01

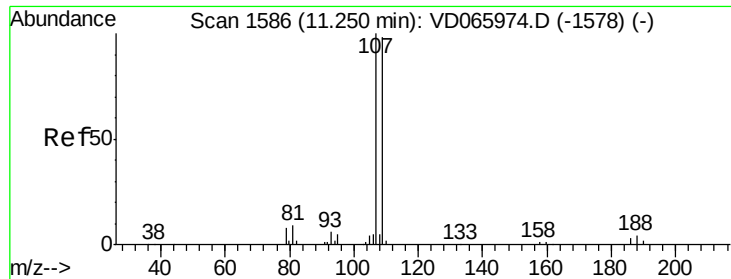
Tot Ion: 43 Resp: 106962
Ion Ratio Lower Upper
43 100
58 55.6 26.2 78.6



#60
Dibromochloromethane
Concen: 21.946 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD066018.D
Acq: 23 Jul 2020 12:23

Tgt Ion: 129 Resp: 63652
Ion Ratio Lower Upper
129 100
127 77.0 38.6 115.7

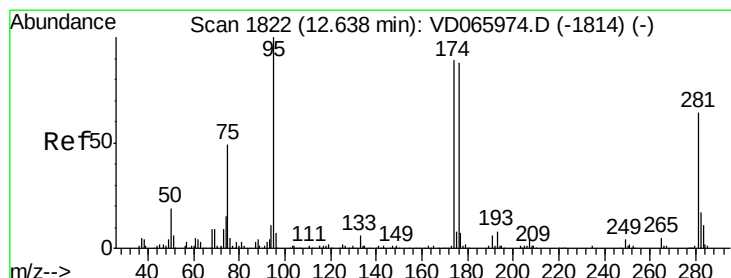
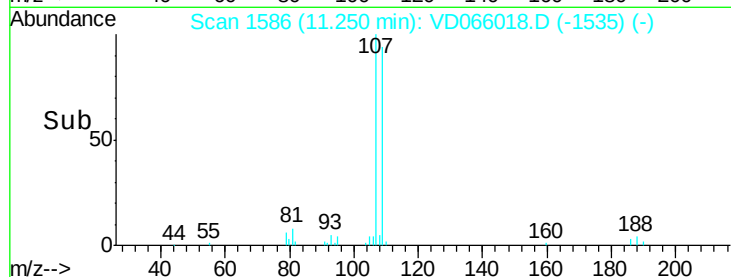
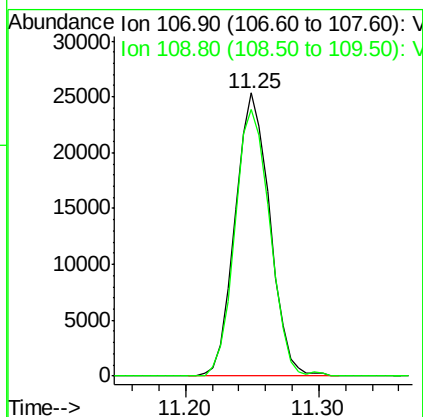
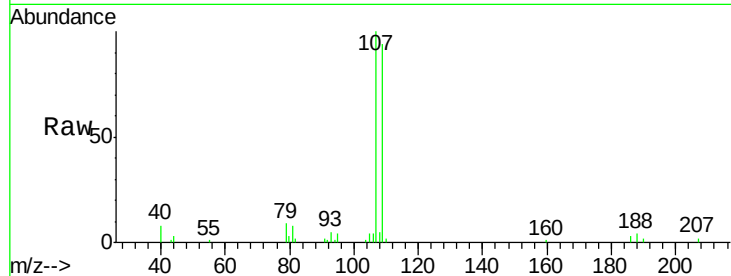




#61
 1,2-Dibromoethane
 Concen: 21.944 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD066018.D
 Acq: 23 Jul 2020 12:23

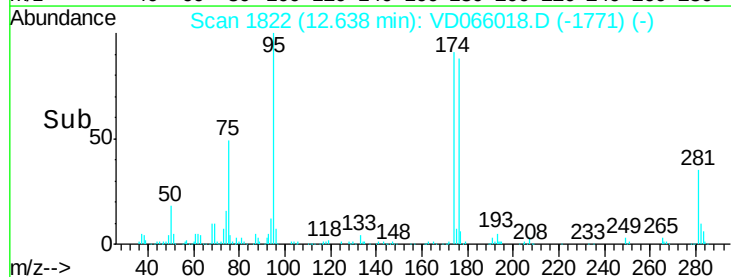
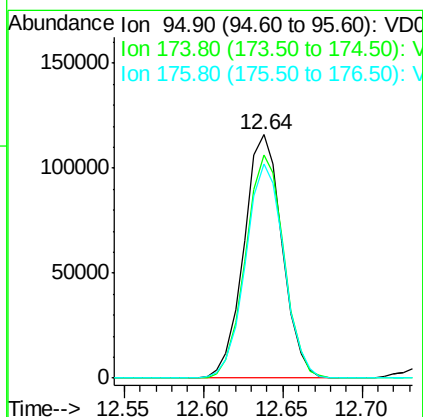
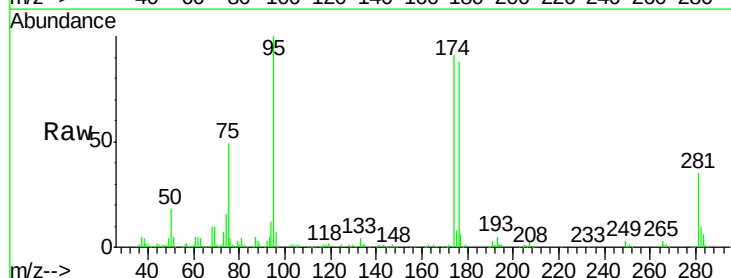
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0723SBSD01

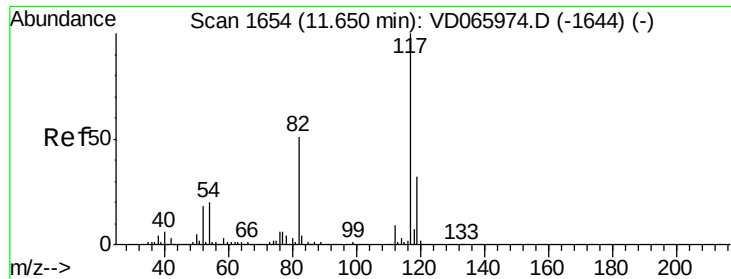
Tot Ion:107 Resp: 45515
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 50.906 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD066018.D
 Acq: 23 Jul 2020 12:23

Tgt Ion: 95 Resp: 194319
 Ion Ratio Lower Upper
 95 100
 174 91.4 0.0 178.8
 176 88.6 0.0 172.6

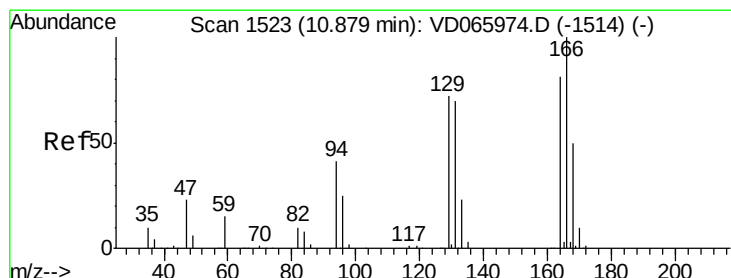
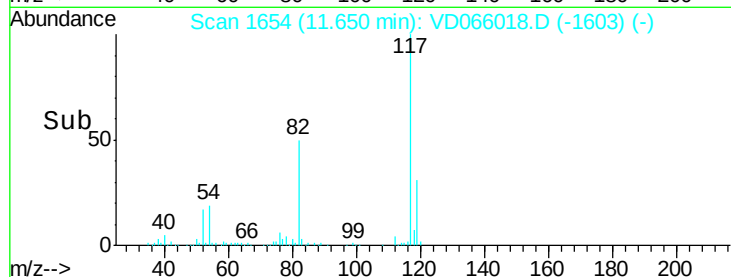
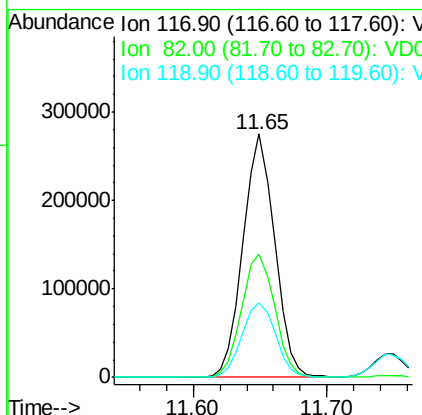
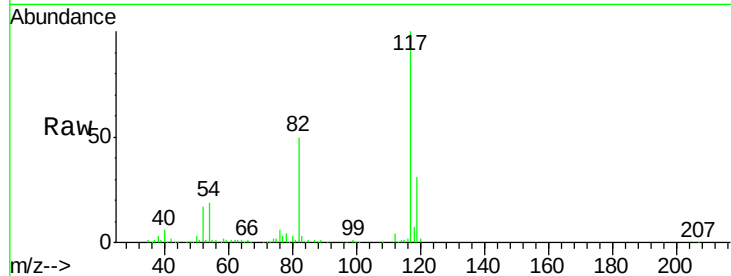




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD066018.D
Acq: 23 Jul 2020 12:23

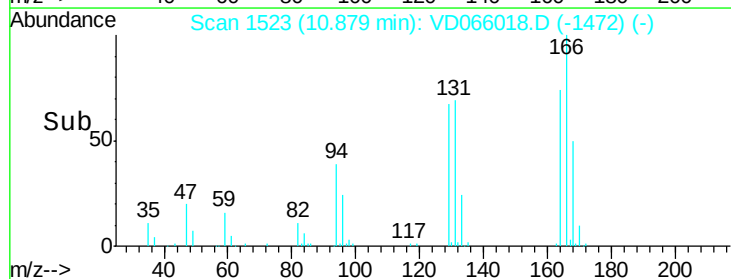
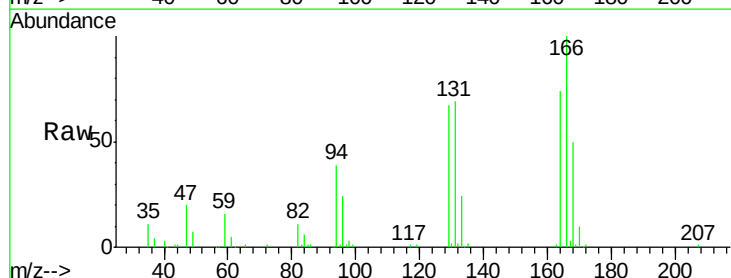
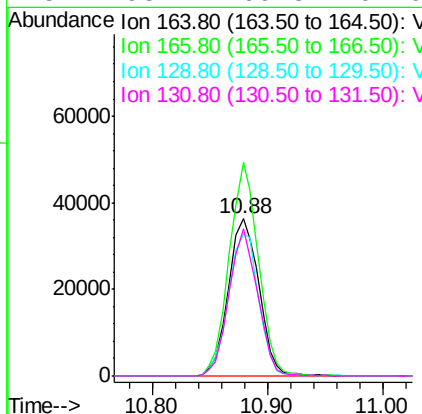
Instrument :
MSVOA_D
ClientSampleId :
VD0723SBSD01

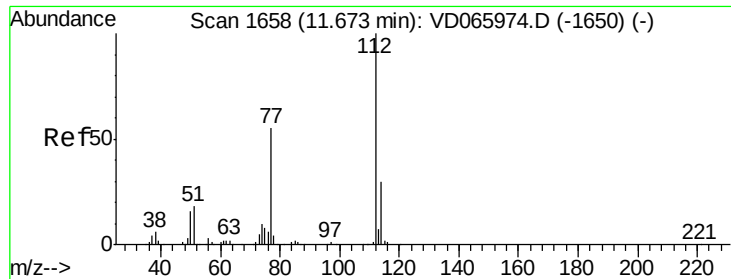
Tot Ion:117 Resp: 452122
Ion Ratio Lower Upper
117 100
82 50.4 41.1 61.7
119 30.8 25.9 38.9



#64
Tetrachloroethene
Concen: 21.745 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD066018.D
Acq: 23 Jul 2020 12:23

Tgt Ion:164 Resp: 66730
Ion Ratio Lower Upper
164 100
166 135.9 99.1 148.7
129 90.8 71.5 107.3
131 93.4 69.8 104.6

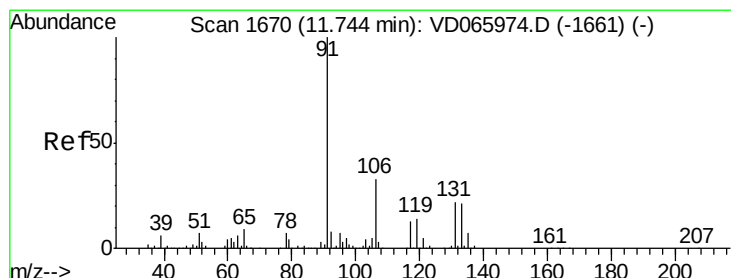
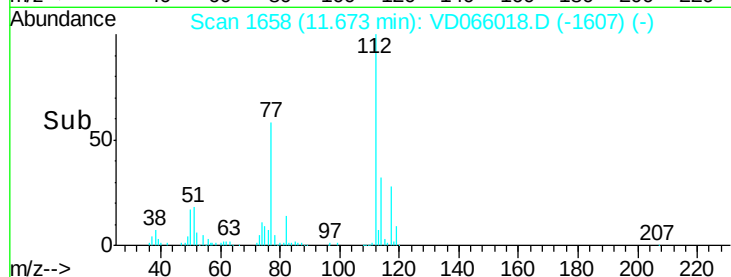
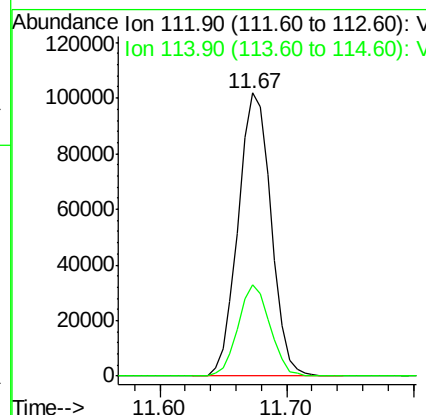
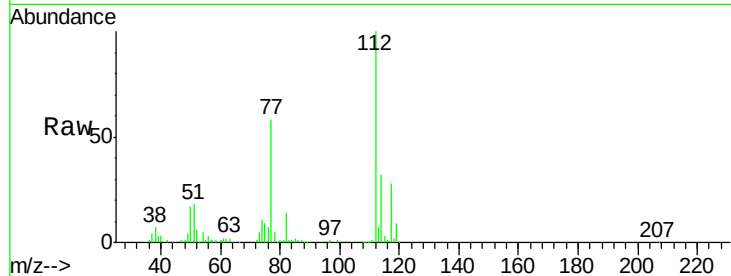




#65
Chlorobenzene
Concen: 22.094 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD066018.D
Acq: 23 Jul 2020 12:23

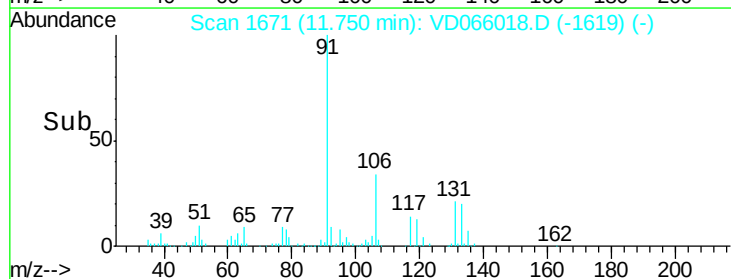
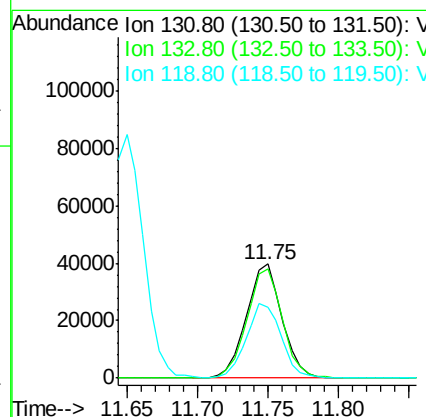
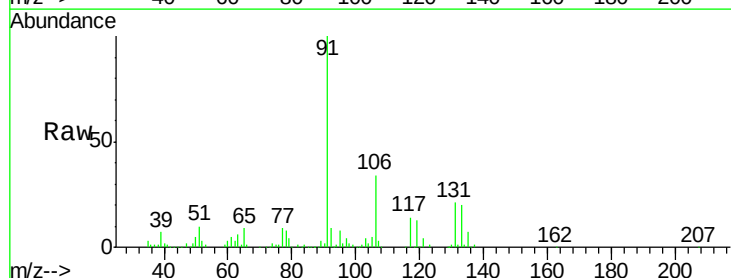
Instrument :
MSVOA_D
ClientSampleId :
VD0723SBSD01

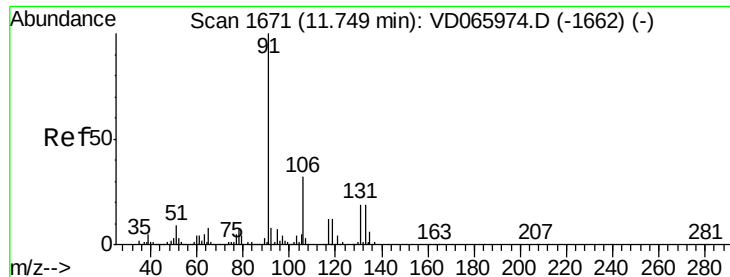
Tot Ion:112 Resp: 182895
Ion Ratio Lower Upper
112 100
114 32.4 24.4 36.6



#66
1,1,1,2-Tetrachloroethane
Concen: 22.846 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD066018.D
Acq: 23 Jul 2020 12:23

Tgt Ion:131 Resp: 69831
Ion Ratio Lower Upper
131 100
133 96.1 47.3 142.0
119 64.9 31.7 95.1





#67

Ethyl Benzene

Concen: 22.050 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

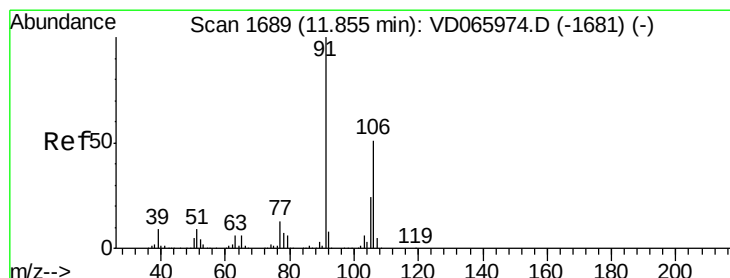
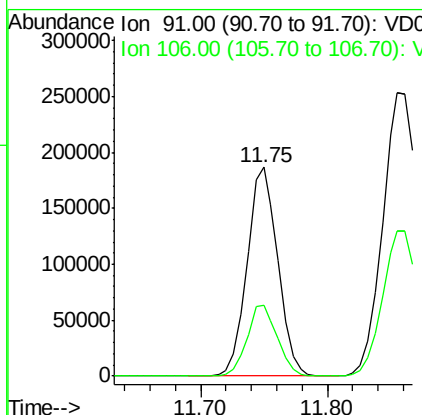
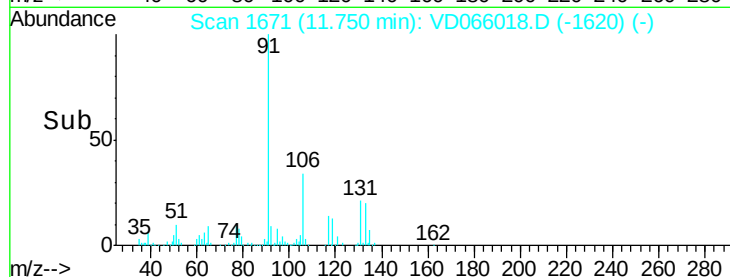
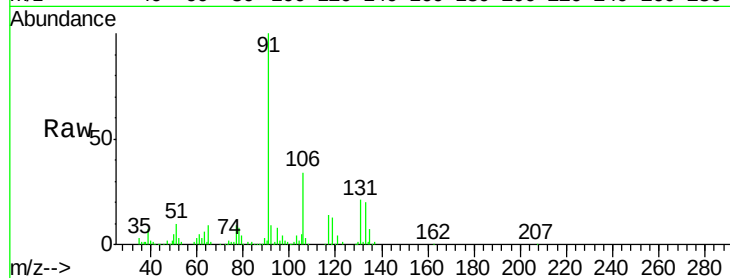
VD0723SBS01

Tot Ion: 91 Resp: 314119

Ion Ratio Lower Upper

91 100

106 33.9 25.7 38.5



#68

m/p-Xylenes

Concen: 46.204 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD066018.D

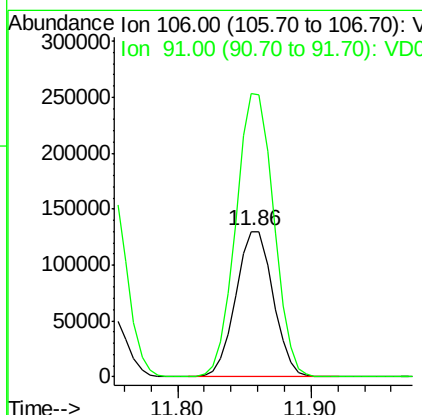
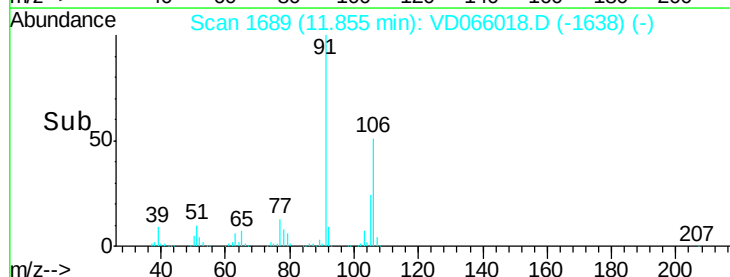
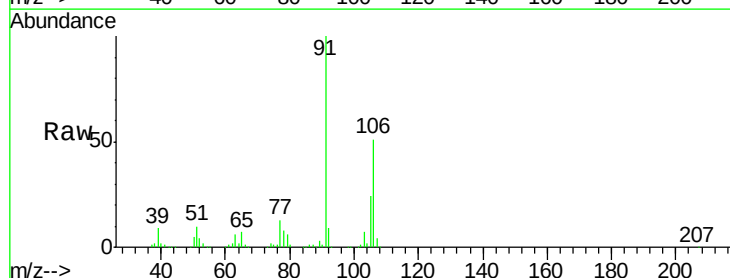
Acq: 23 Jul 2020 12:23

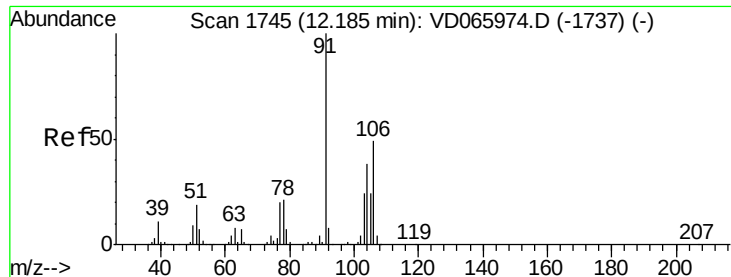
Tgt Ion: 106 Resp: 252990

Ion Ratio Lower Upper

106 100

91 196.3 157.0 235.6

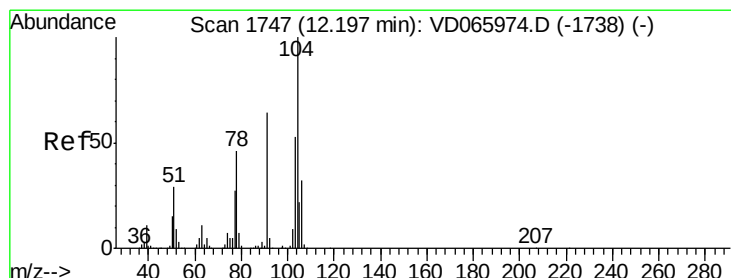
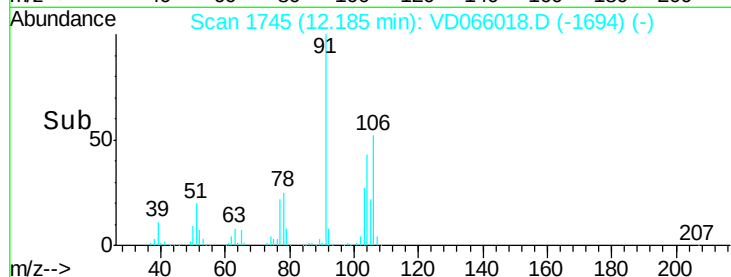
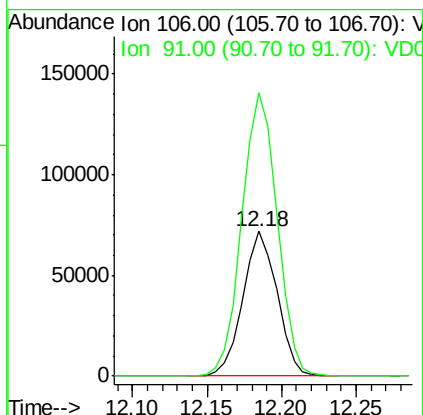
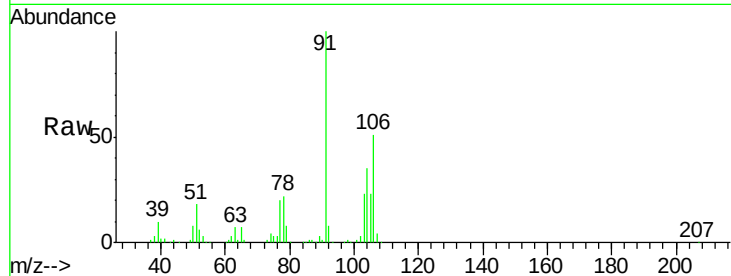




#69
o-Xylene
Concen: 22.995 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD066018.D
Acq: 23 Jul 2020 12:23

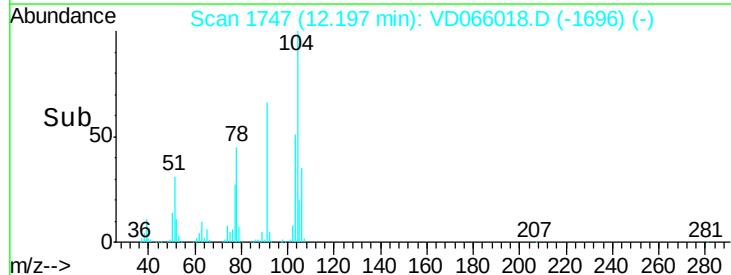
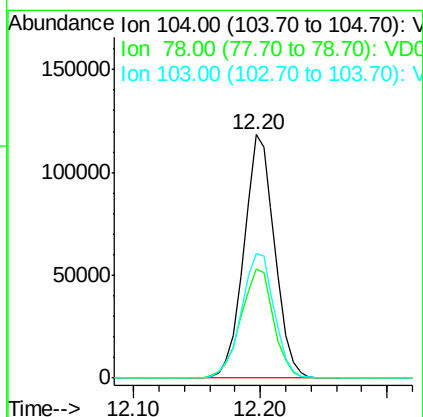
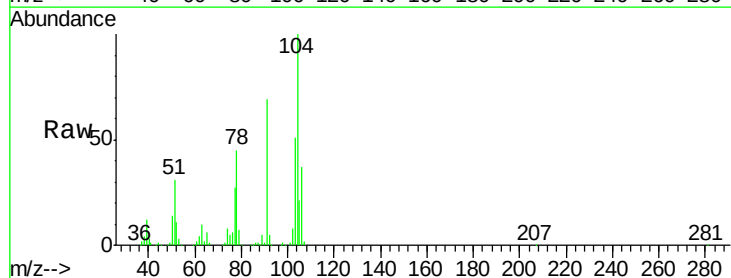
Instrument :
MSVOA_D
ClientSampleId :
VD0723SBSD01

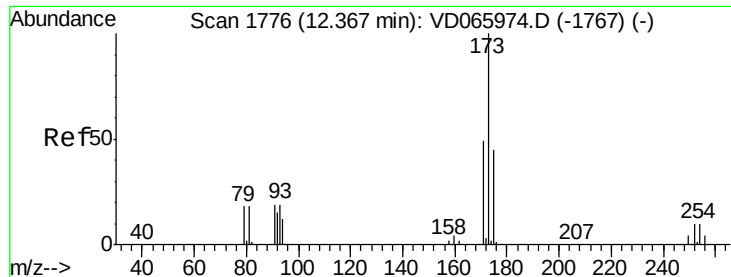
Tot Ion:106 Resp: 114518
Ion Ratio Lower Upper
106 100
91 201.2 103.1 309.3



#70
Styrene
Concen: 23.242 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066018.D
Acq: 23 Jul 2020 12:23

Tgt Ion:104 Resp: 198881
Ion Ratio Lower Upper
104 100
78 47.9 38.3 57.5
103 54.9 43.8 65.8

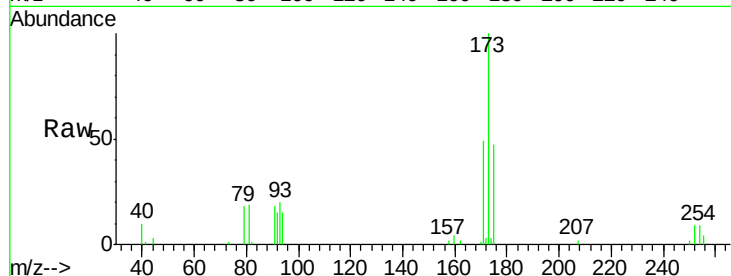




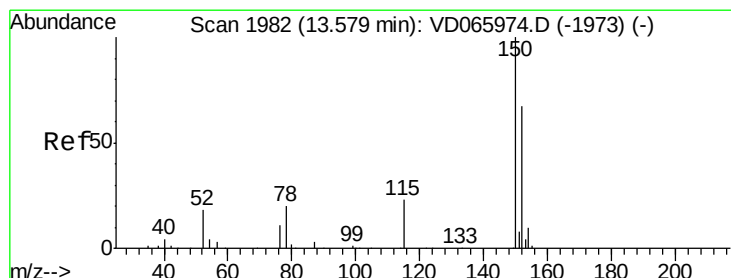
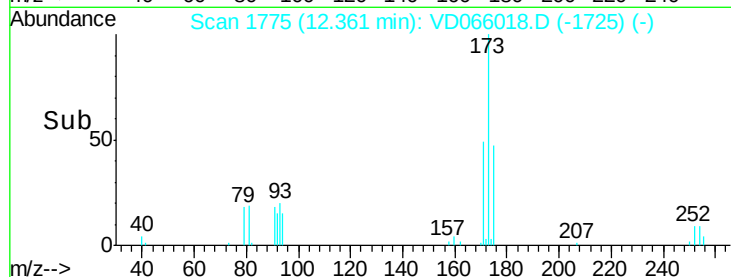
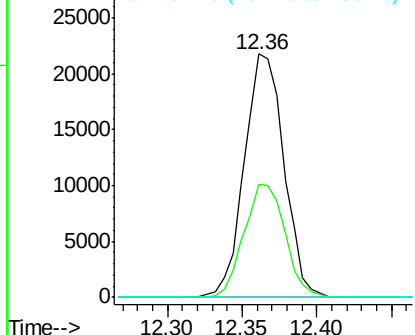
#71
Bromoform
Concen: 22.281 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.01 min
Lab File: VD066018.D
Acq: 23 Jul 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD0723SBSD01

Tot Ion:173 Resp: 39892
Ion Ratio Lower Upper
173 100
175 48.0 24.1 72.3
254 0.0 0.0 0.0

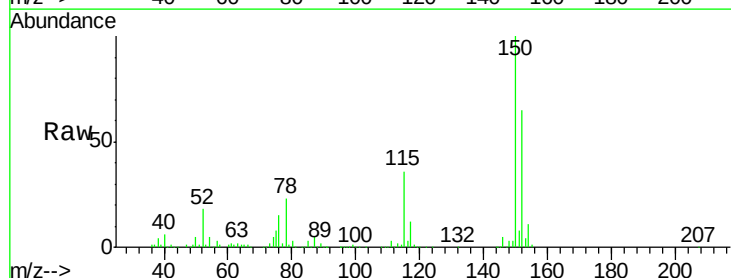


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

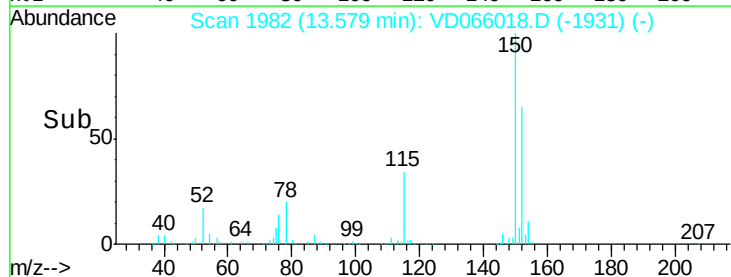
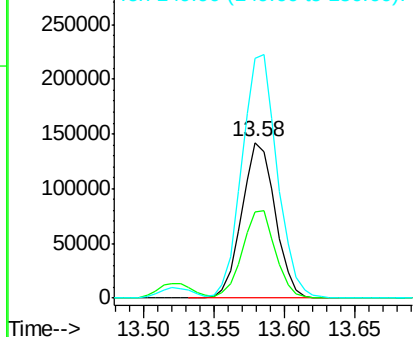


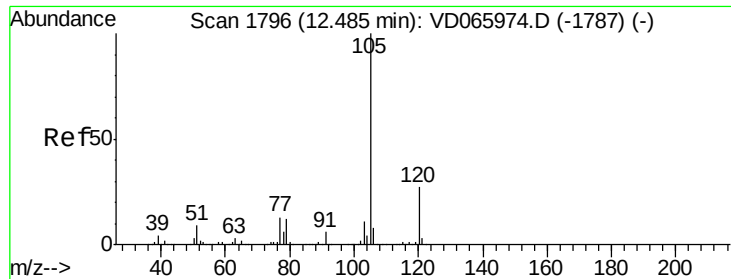
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066018.D
Acq: 23 Jul 2020 12:23

Tgt Ion:152 Resp: 234685
Ion Ratio Lower Upper
152 100
115 55.6 27.9 83.7
150 165.8 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: 21.966 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

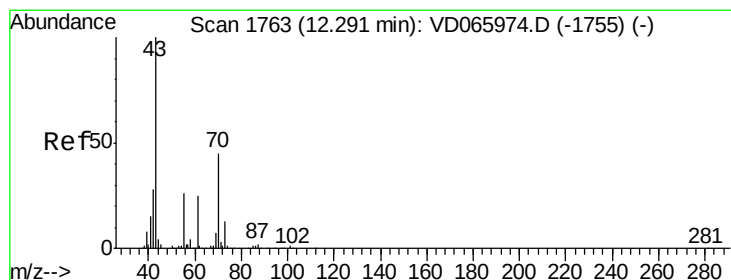
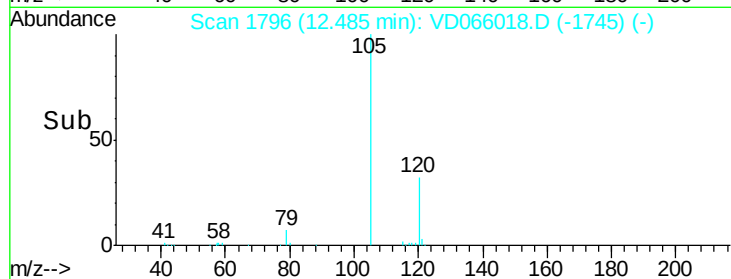
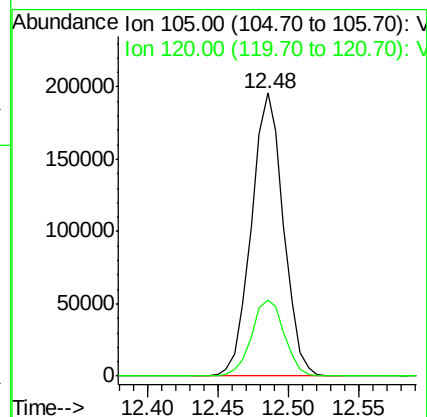
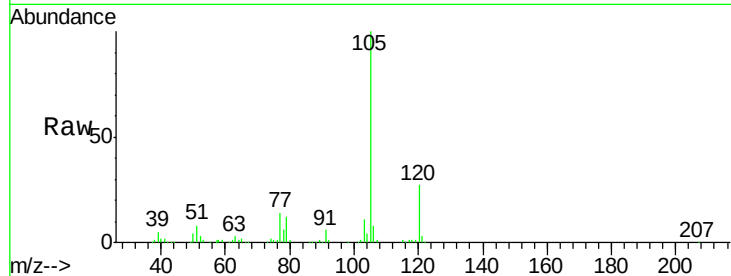
VD0723SBS01

Tot Ion:105 Resp: 311939

Ion Ratio Lower Upper

105 100

120 27.6 13.6 40.8



#74

N-ethyl acetate

Concen: 19.835 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

Tgt Ion: 43 Resp: 58401

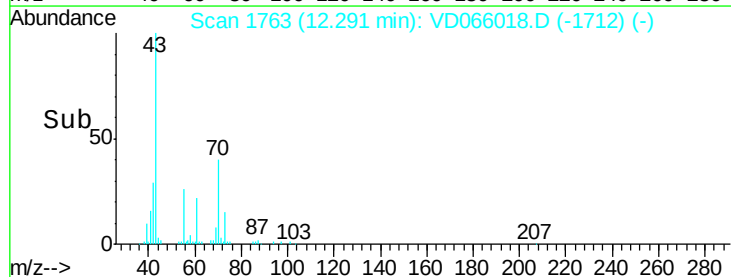
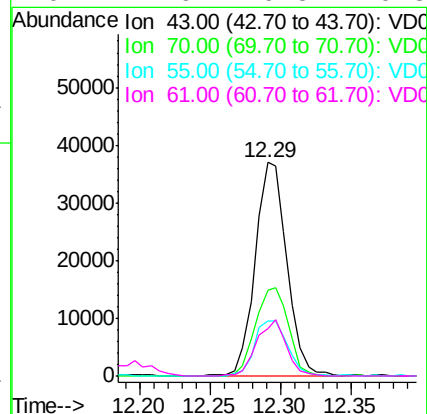
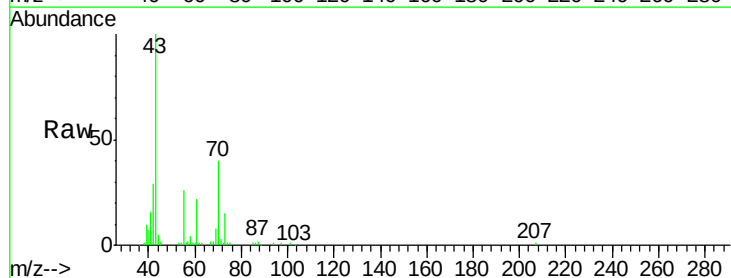
Ion Ratio Lower Upper

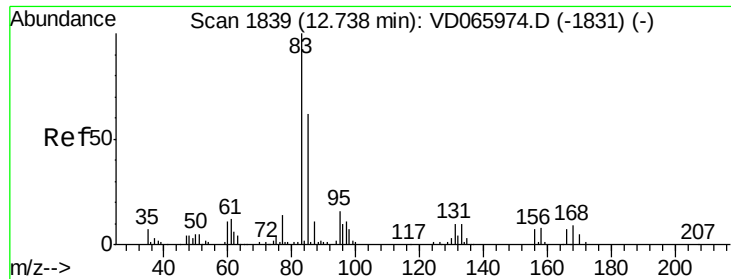
43 100

70 43.1 34.6 51.8

55 27.1 20.3 30.5

61 24.9 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 20.460 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD0723SBSD01

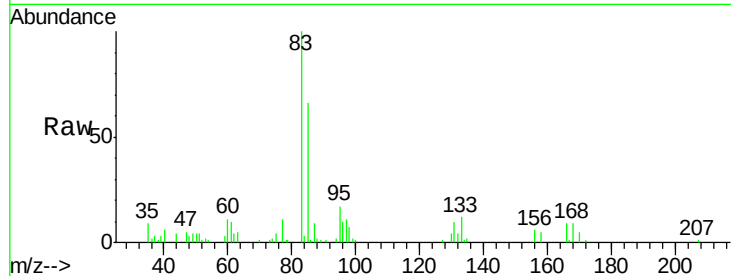
Tot Ion: 83 Resp: 48018

Ion Ratio Lower Upper

83 100

131 11.3 5.7 17.1

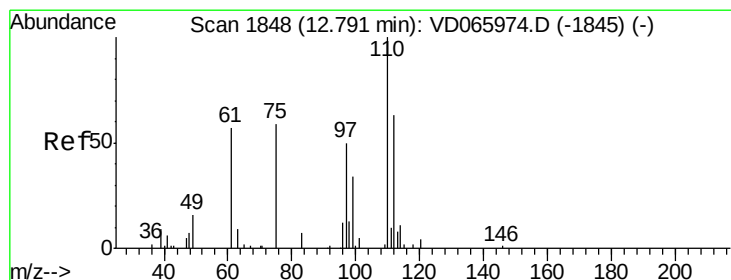
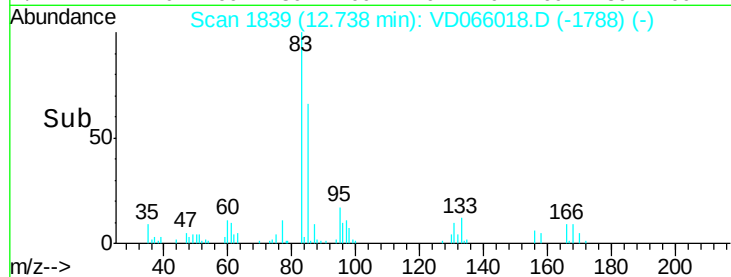
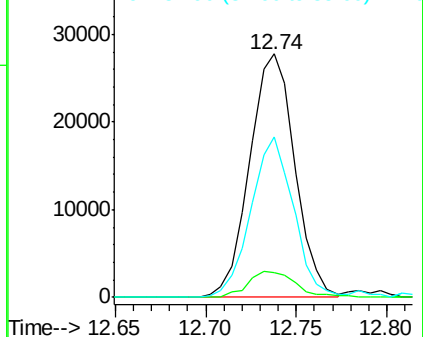
85 62.0 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 37.249 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD066018.D

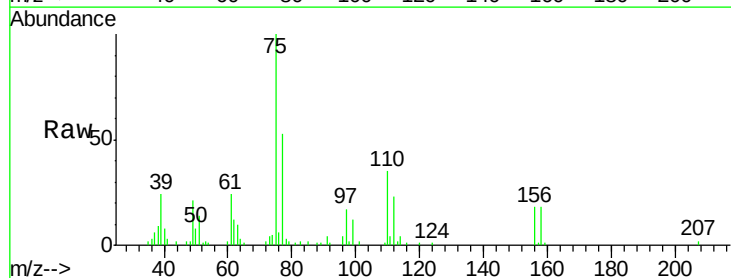
Acq: 23 Jul 2020 12:23

Tgt Ion: 75 Resp: 65822

Ion Ratio Lower Upper

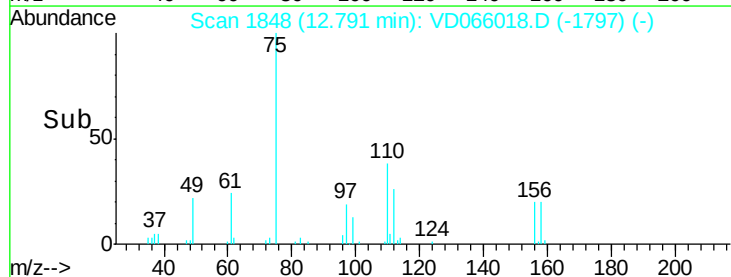
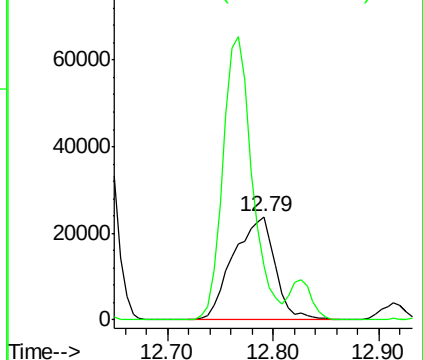
75 100

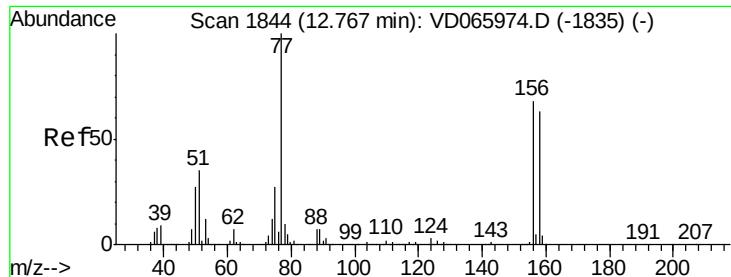
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 22.468 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD0723SBS01

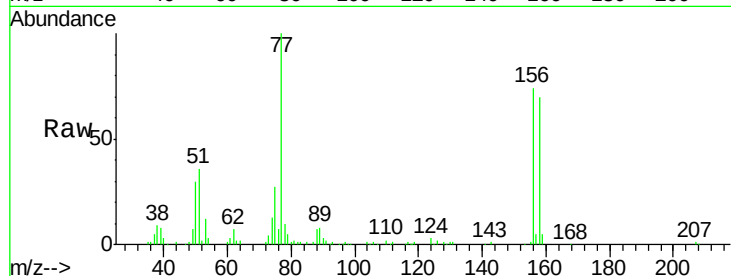
Tot Ion:156 Resp: 81541

Ion Ratio Lower Upper

156 100

77 154.8 83.0 249.0

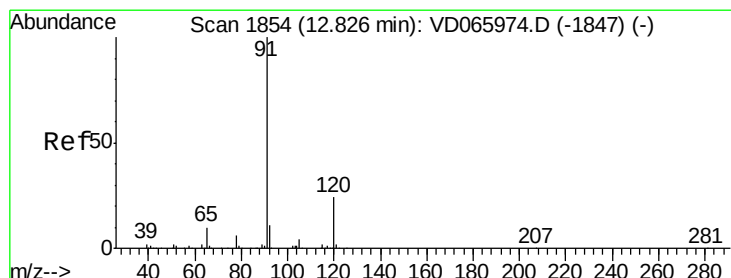
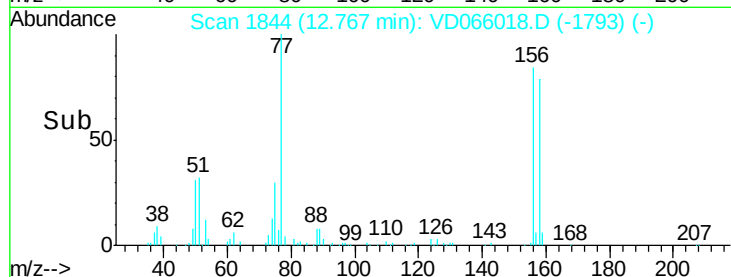
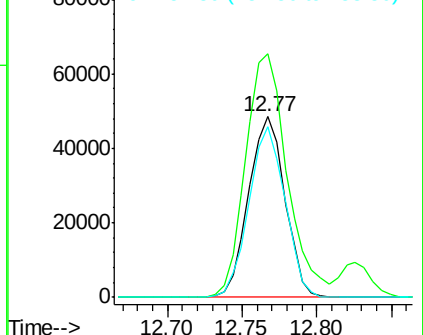
158 93.9 48.2 144.6



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: 22.213 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD066018.D

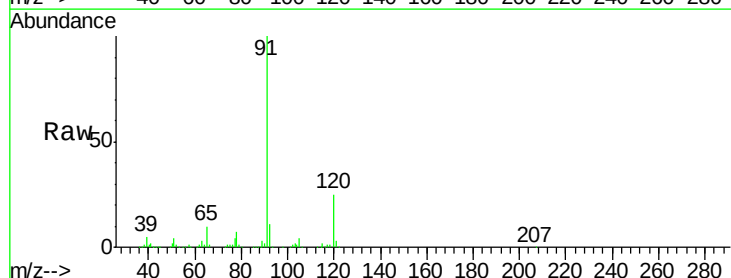
Acq: 23 Jul 2020 12:23

Tgt Ion: 91 Resp: 366047

Ion Ratio Lower Upper

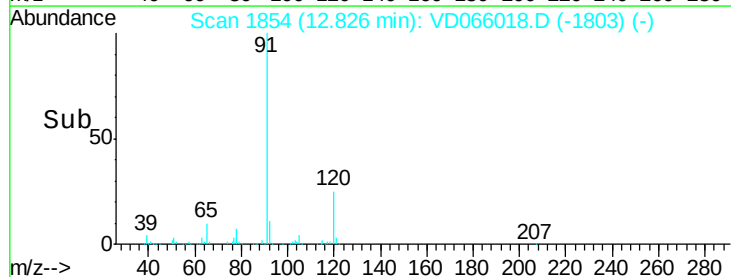
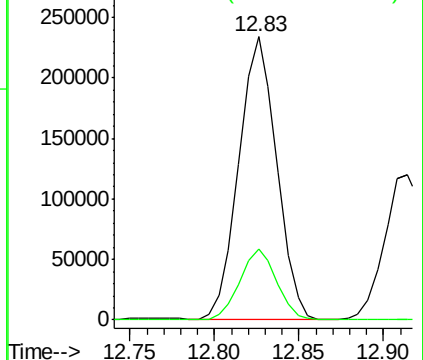
91 100

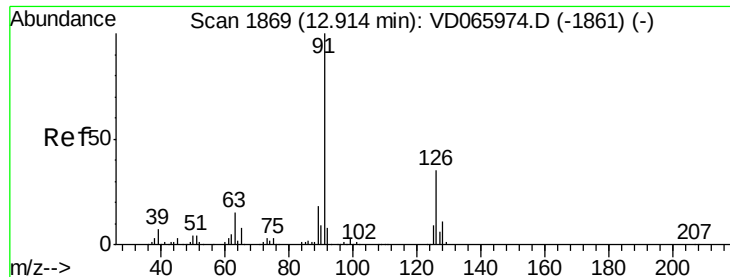
120 24.3 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.058 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

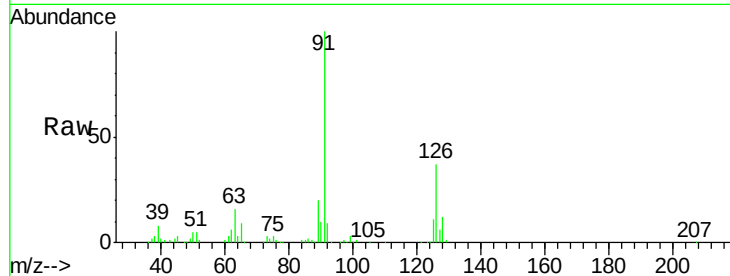
VD0723SBS01

Tot Ion: 91 Resp: 207657

Ion Ratio Lower Upper

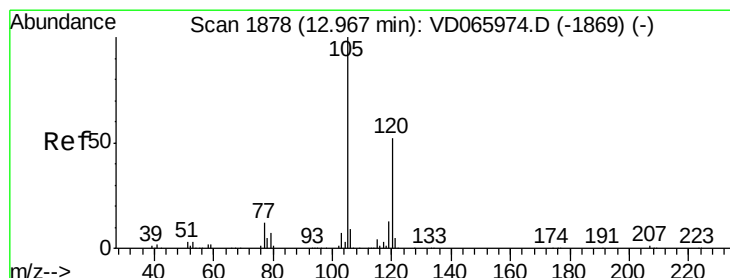
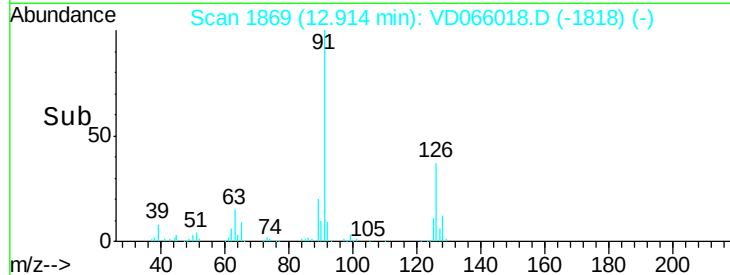
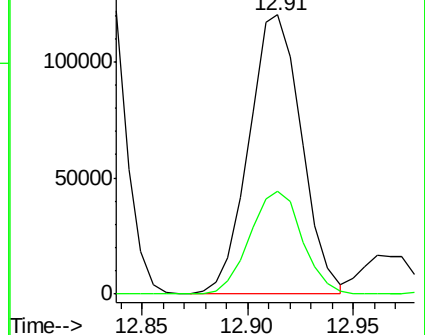
91 100

126 36.6 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 22.193 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD066018.D

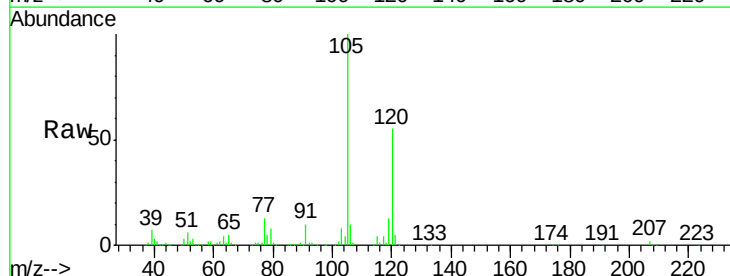
Acq: 23 Jul 2020 12:23

Tgt Ion:105 Resp: 258929

Ion Ratio Lower Upper

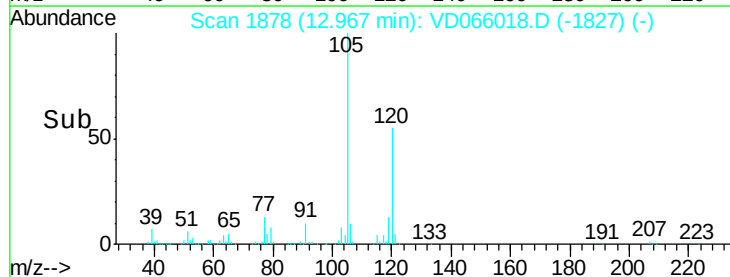
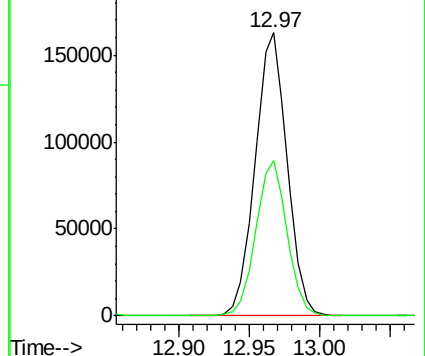
105 100

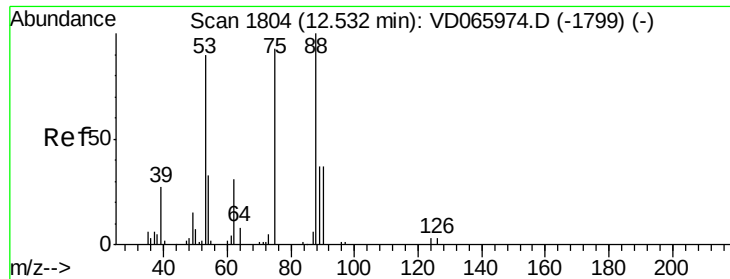
120 53.6 25.6 76.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 21.117 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

VD0723SBSD01

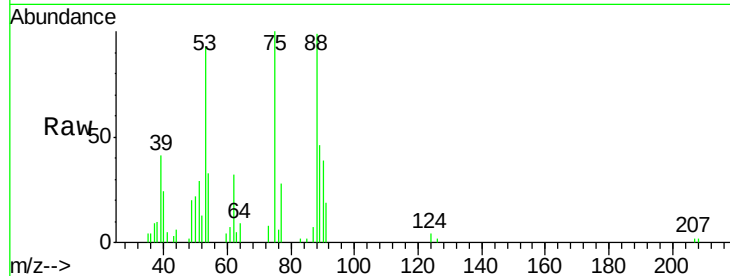
Tot Ion: 75 Resp: 16262

Ion Ratio Lower Upper

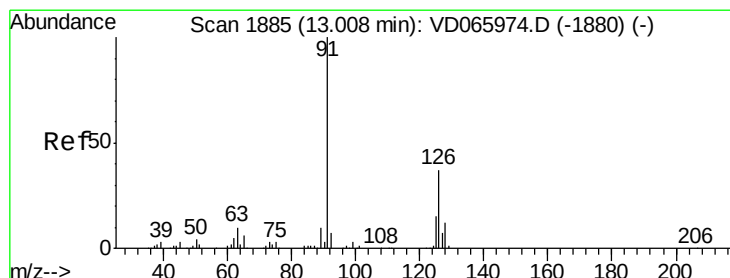
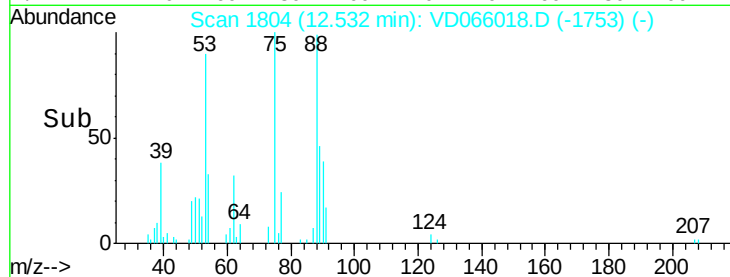
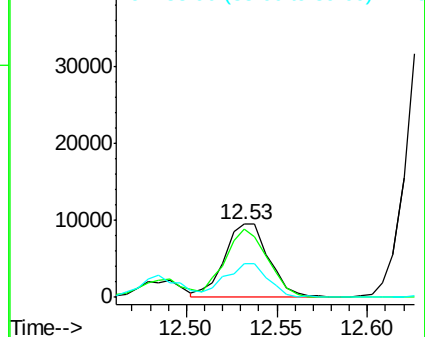
75 100

53 88.6 76.8 115.2

89 44.6 37.0 55.4



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



#82

4-Chlorotoluene

Concen: 22.181 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD066018.D

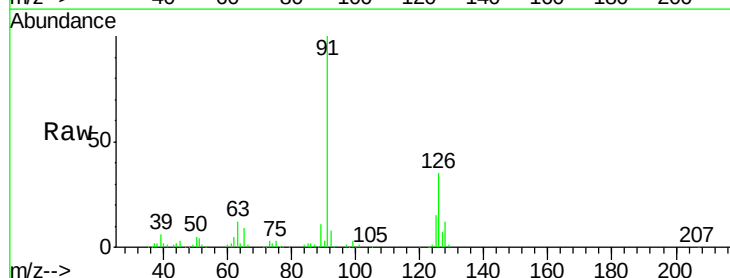
Acq: 23 Jul 2020 12:23

Tgt Ion: 91 Resp: 220410

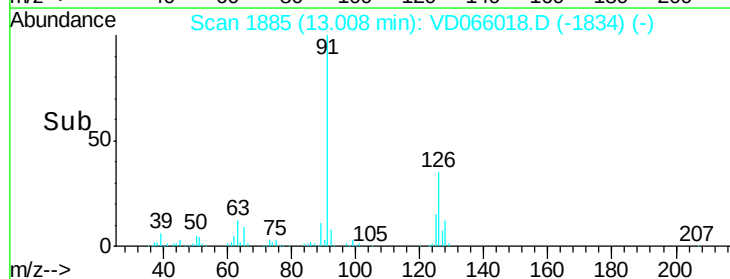
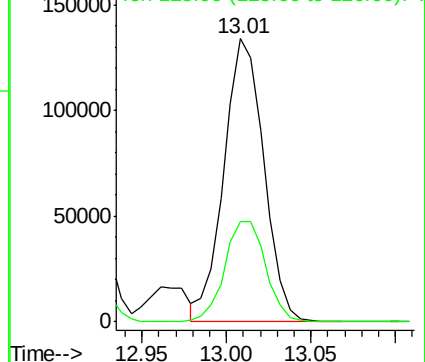
Ion Ratio Lower Upper

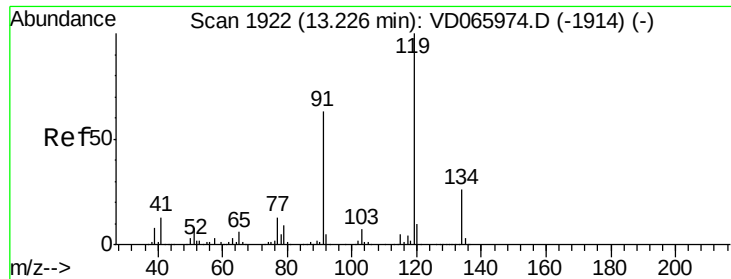
91 100

126 36.5 17.8 53.5



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

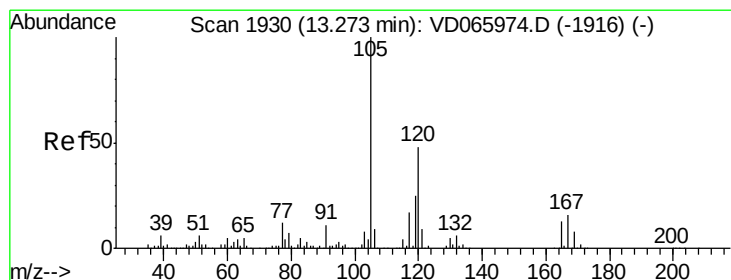
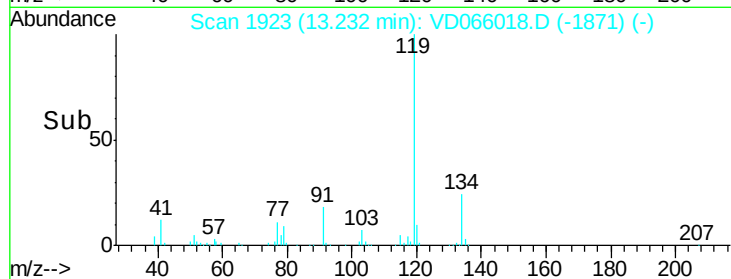
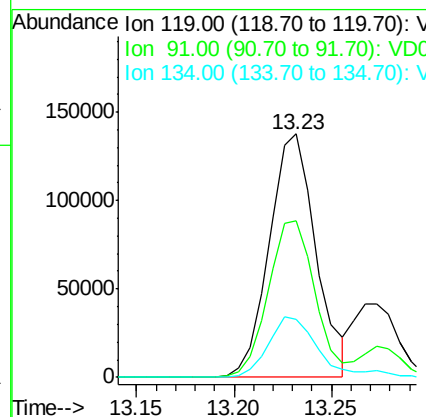
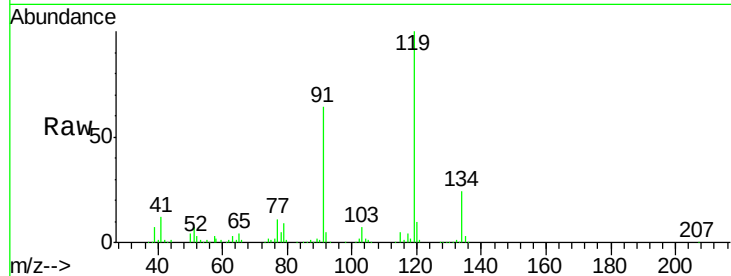




#83
 tert-Butylbenzene
 Concen: 22.366 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VD066018.D
 Acq: 23 Jul 2020 12:23

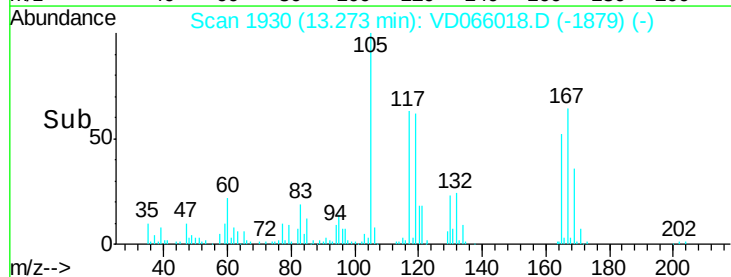
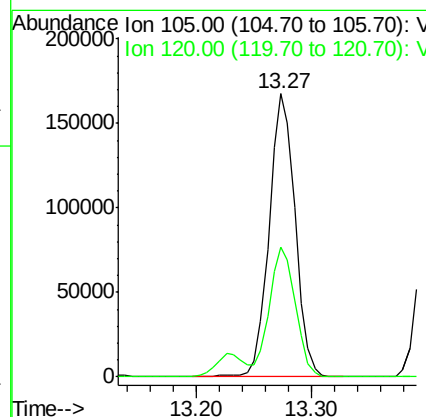
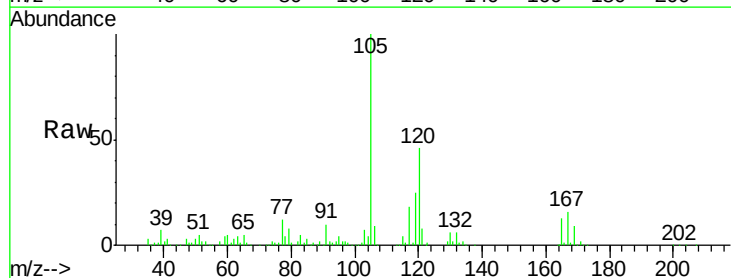
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0723SBSD01

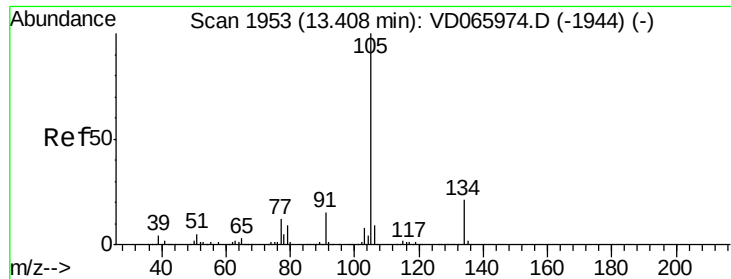
Tot Ion:119 Resp: 228348
 Ion Ratio Lower Upper
 119 100
 91 64.2 30.6 91.6
 134 27.0 13.9 41.7



#84
 1,2,4-Trimethylbenzene
 Concen: 22.881 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD066018.D
 Acq: 23 Jul 2020 12:23

Tgt Ion:105 Resp: 263365
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.9 71.8





#85

sec-Butylbenzene

Concen: 22.331 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

Instrument :

MSVOA_D

ClientSampleId :

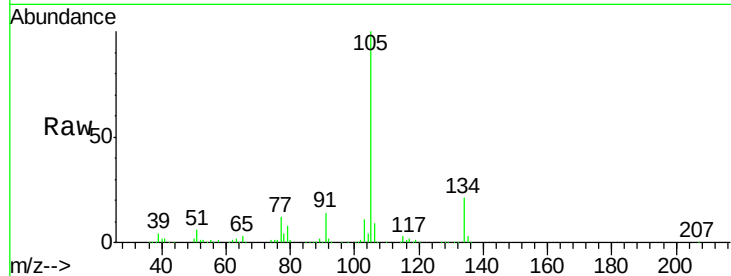
VD0723SBS01

Tot Ion:105 Resp: 314030

Ion Ratio Lower Upper

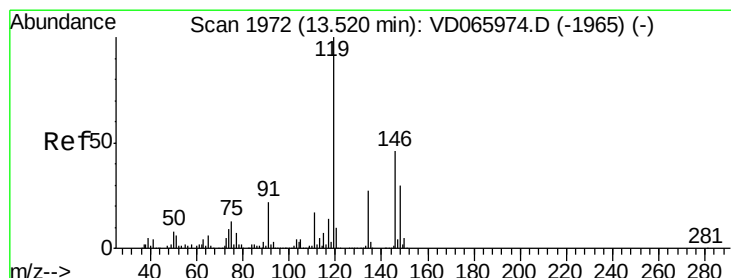
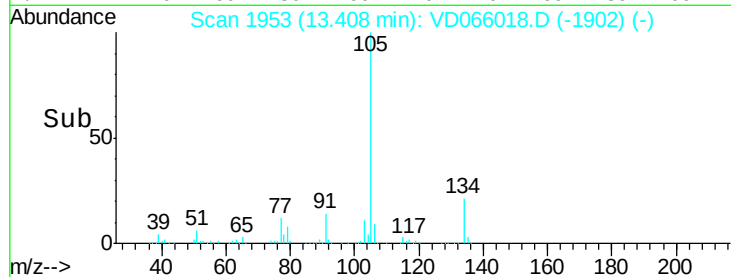
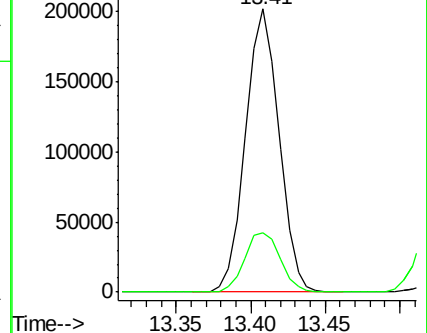
105 100

134 22.2 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 23.482 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066018.D

Acq: 23 Jul 2020 12:23

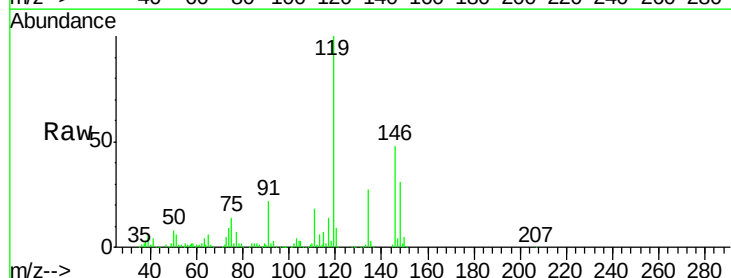
Tgt Ion:119 Resp: 300000

Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.2

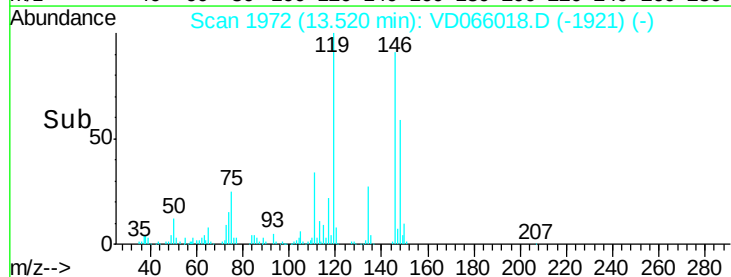
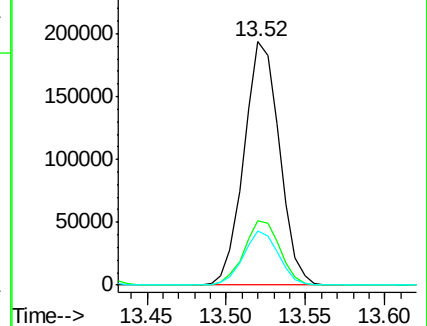
91 22.0 11.1 33.3

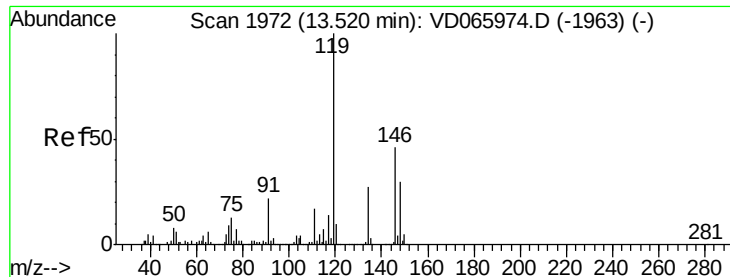


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

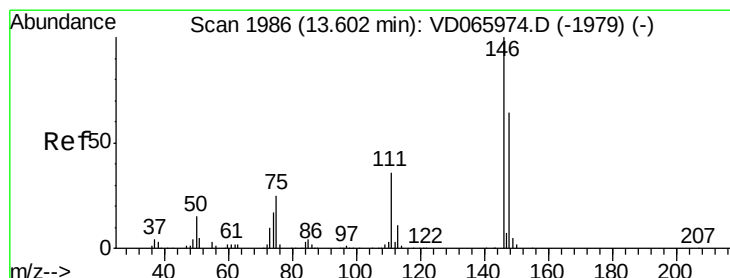
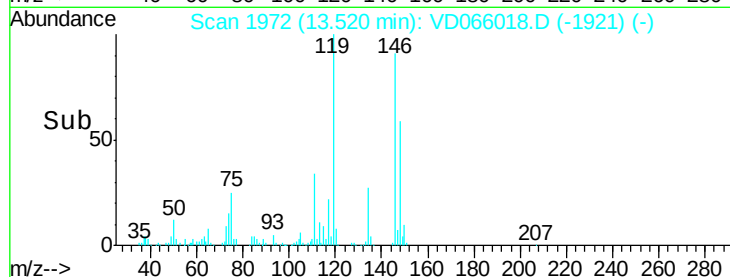
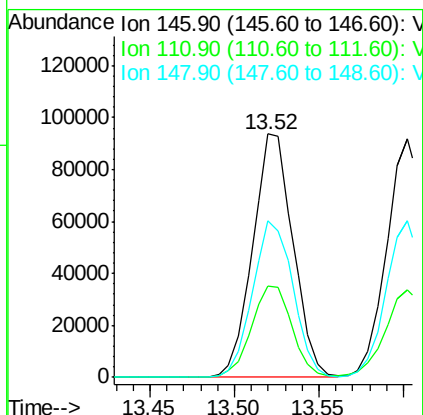
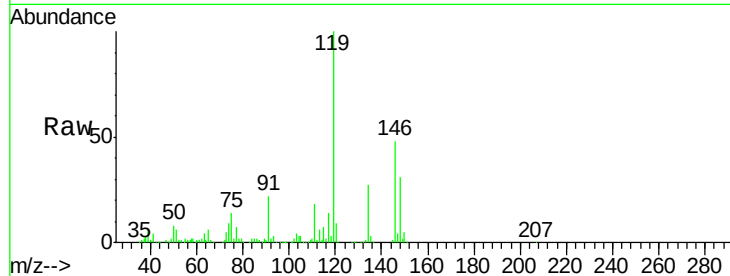




#87
 1,3-Dichlorobenzene
 Concen: 23.130 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066018.D
 Acq: 23 Jul 2020 12:23

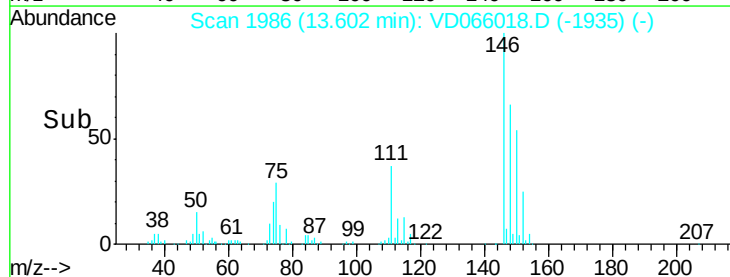
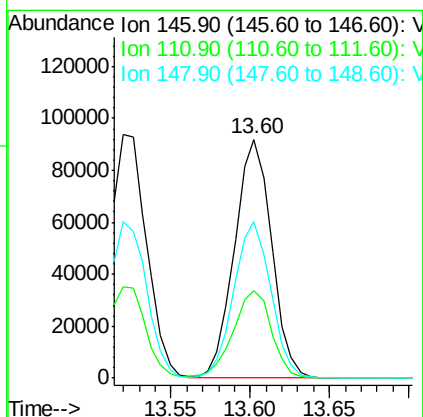
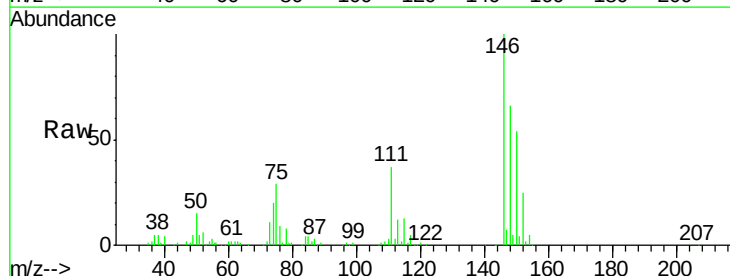
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0723SBS01

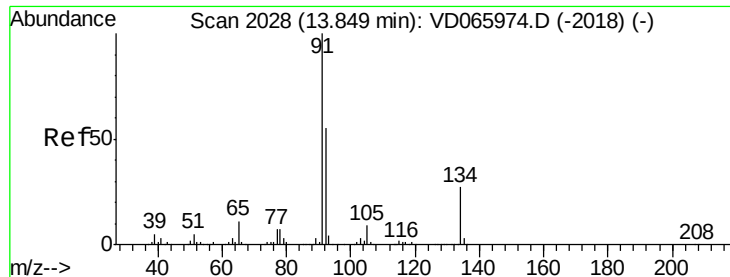
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.6	55.6
148	64.4	32.4	97.0



#88
 1,4-Dichlorobenzene
 Concen: 22.003 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD066018.D
 Acq: 23 Jul 2020 12:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.8	56.4
148	65.5	32.2	96.6

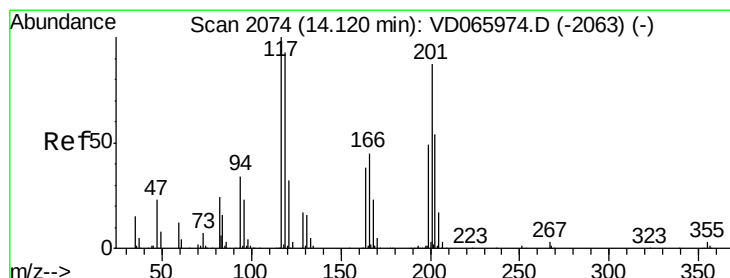
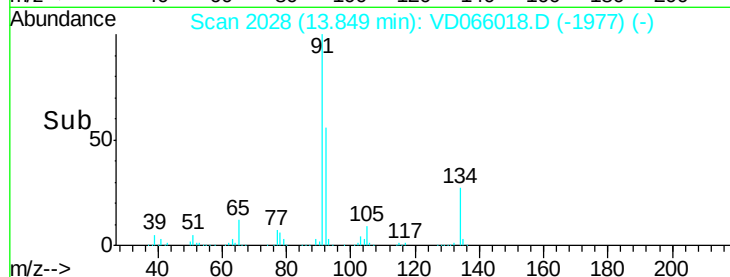
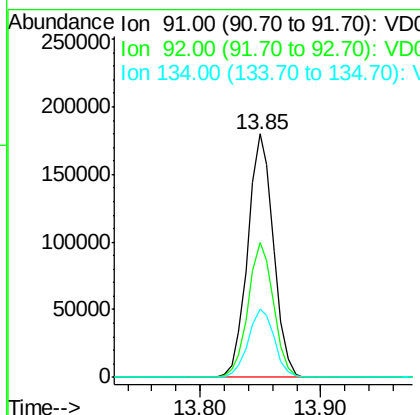
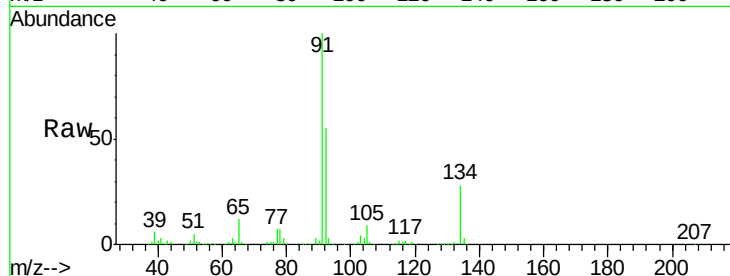




#89
n-Butylbenzene
Concen: 22.469 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD066018.D
Acq: 23 Jul 2020 12:23

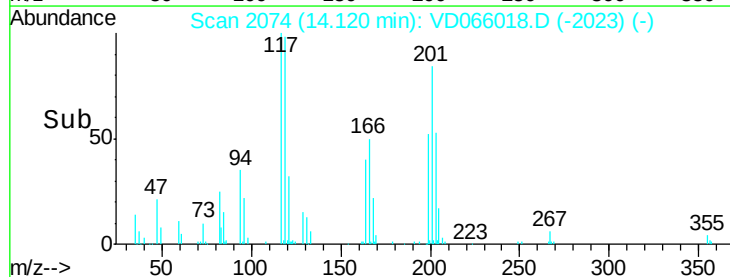
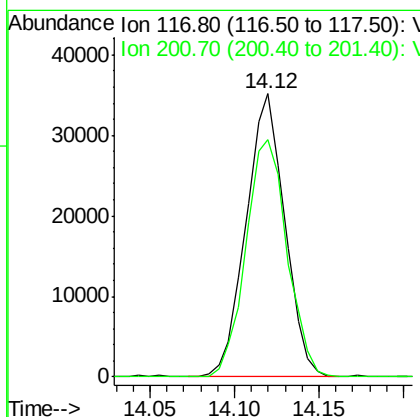
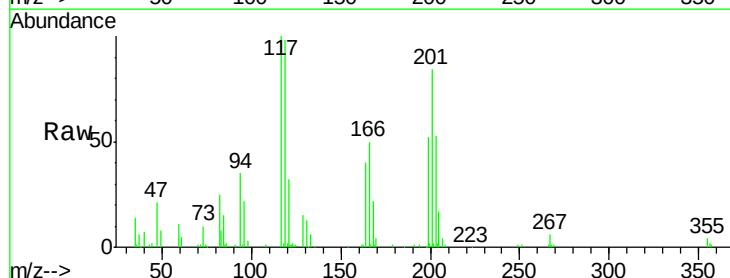
Instrument :
MSVOA_D
ClientSampleId :
VD0723SBSD01

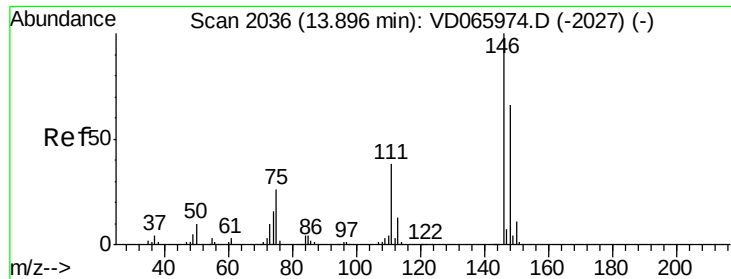
Tot Ion: 91 Resp: 266918
Ion Ratio Lower Upper
91 100
92 54.7 27.2 81.6
134 28.5 13.8 41.4



#90
Hexachloroethane
Concen: 21.208 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD066018.D
Acq: 23 Jul 2020 12:23

Tgt Ion: 117 Resp: 56090
Ion Ratio Lower Upper
117 100
201 89.2 42.0 126.1

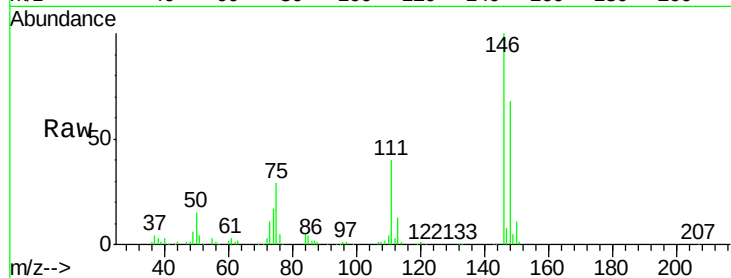




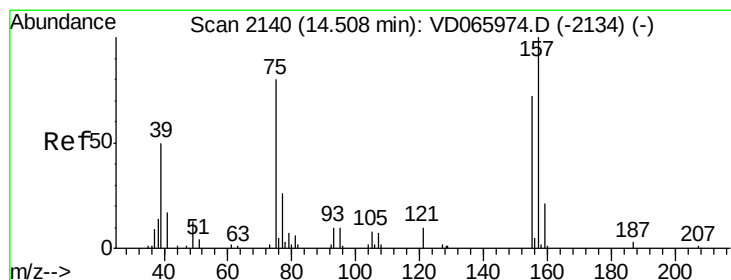
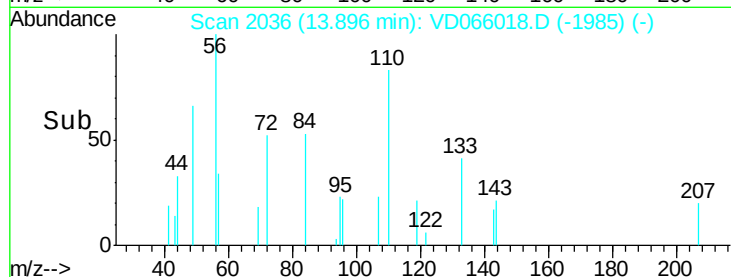
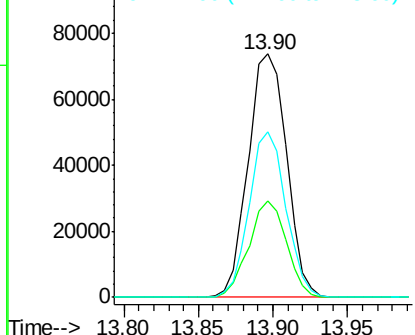
#91
 1,2-Dichlorobenzene
 Concen: 22.487 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD066018.D
 Acq: 23 Jul 2020 12:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0723SBSD01

Tot Ion:146 Resp: 131299
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.3 57.9
 148 64.9 32.7 98.1

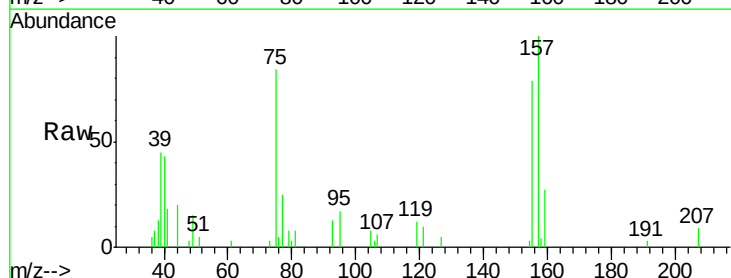


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

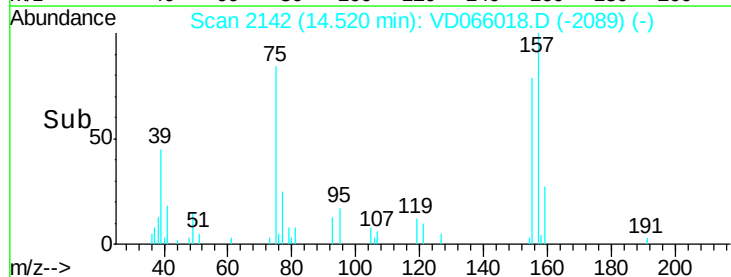
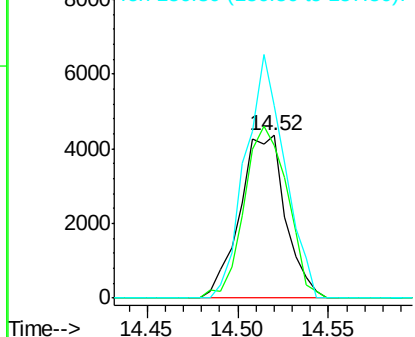


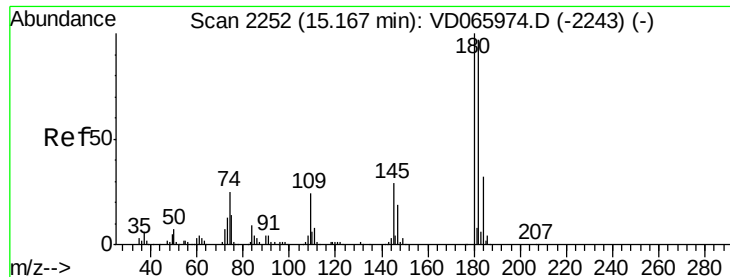
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.785 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD066018.D
 Acq: 23 Jul 2020 12:23

Tgt Ion: 75 Resp: 7610
 Ion Ratio Lower Upper
 75 100
 155 100.6 48.5 145.5
 157 129.6 64.7 194.1



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

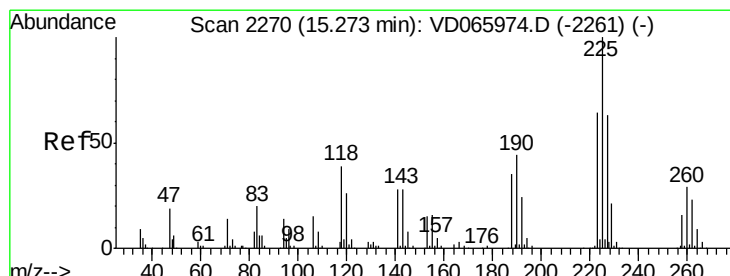
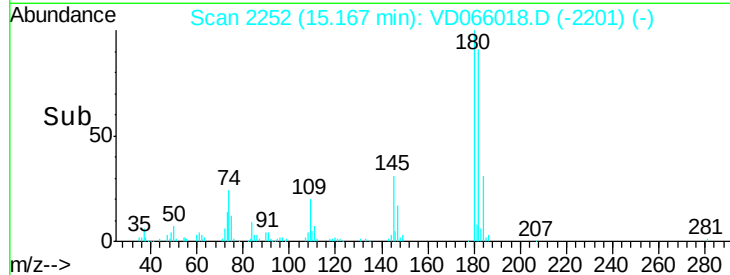
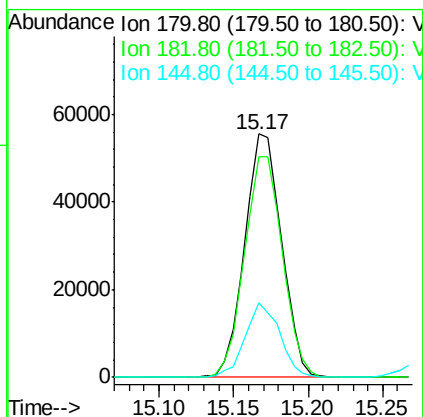
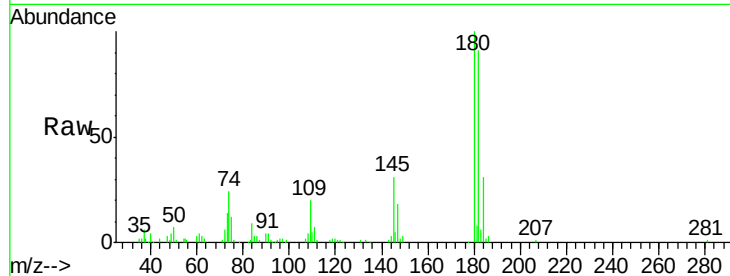




#93
 1,2,4-Trichlorobenzene
 Concen: 22.649 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD066018.D
 Acq: 23 Jul 2020 12:23

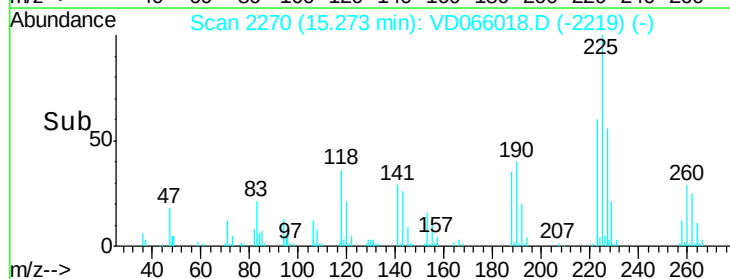
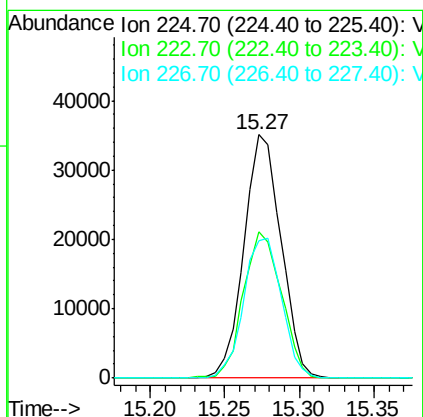
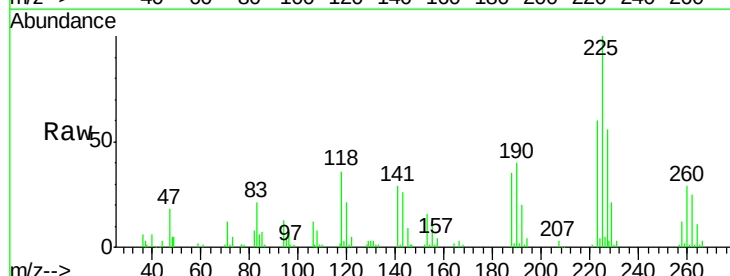
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0723SBSD01

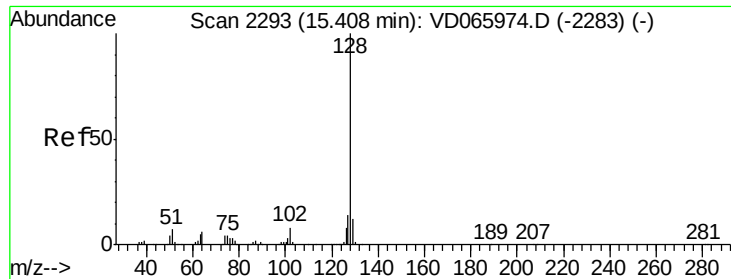
Tot Ion:180 Resp: 94921
 Ion Ratio Lower Upper
 180 100
 182 93.7 48.1 144.3
 145 28.6 14.7 44.1



#94
 Hexachlorobutadiene
 Concen: 23.321 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066018.D
 Acq: 23 Jul 2020 12:23

Tgt Ion:225 Resp: 60426
 Ion Ratio Lower Upper
 225 100
 223 61.6 31.2 93.6
 227 58.6 31.6 94.8

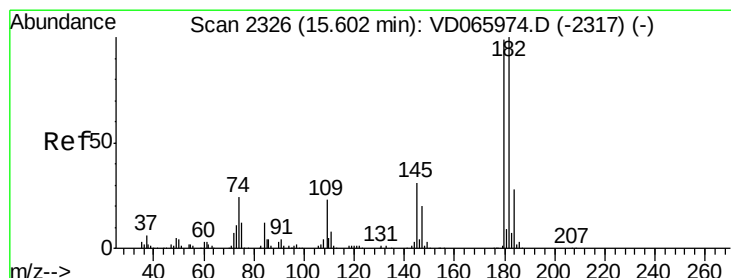
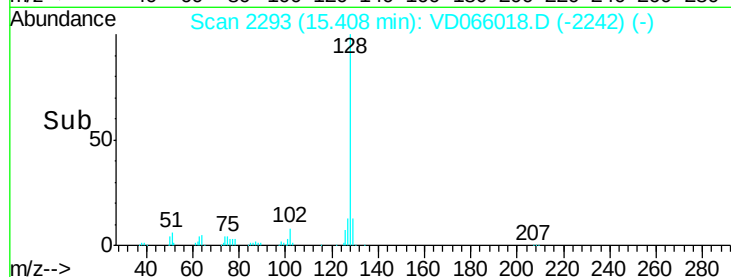
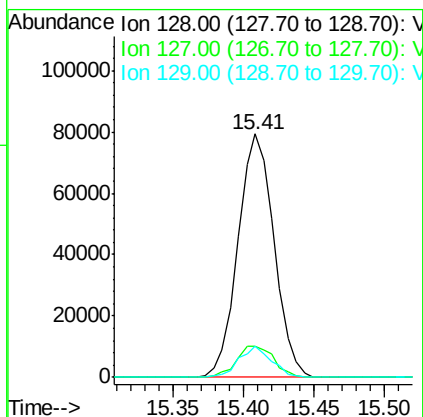
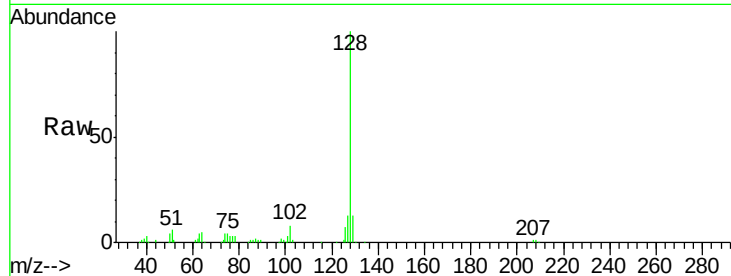




#95
Naphthalene
Concen: 21.218 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066018.D
Acq: 23 Jul 2020 12:23

Instrument :
MSVOA_D
ClientSampleId :
VD0723SBSD01

Tot Ion:128 Resp: 141757
Ion Ratio Lower Upper
128 100
127 13.5 10.8 16.2
129 11.6 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 22.710 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD066018.D
Acq: 23 Jul 2020 12:23

Tgt Ion:180 Resp: 82743
Ion Ratio Lower Upper
180 100
182 93.6 47.9 143.6
145 29.0 15.4 46.2

