

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073020\
 Data File : VD066101.D
 Acq On : 30 Jul 2020 10:06
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 31 01:51:04 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	235652	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	320987	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	296030	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	168843	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	100147	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	
35) Dibromofluoromethane	7.91	113	101380	52.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.14%	
50) Toluene-d8	10.34	98	391839	54.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.06%	
62) 4-Bromofluorobenzene	12.64	95	133832	53.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	77661	43.426	ug/l	97
3) Chloromethane	2.21	50	58493	40.079	ug/l	95
4) Vinyl Chloride	2.35	62	65937	47.443	ug/l	98
5) Bromomethane	2.77	94	48982	50.126	ug/l	98
6) Chloroethane	2.92	64	40639	48.984	ug/l	91
7) Trichlorofluoromethane	3.27	101	175103	51.798	ug/l	99
8) Diethyl Ether	3.70	74	40297	43.126	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.10	101	100851	49.408	ug/l	97
10) Methyl Iodide	4.30	142	98311	48.089	ug/l	91
11) Tert butyl alcohol	5.22	59	24838	200.526	ug/l #	87
12) 1,1-Dichloroethene	4.07	96	92245	47.344	ug/l	95
13) Acrolein	3.92	56	27364	169.382	ug/l	96
14) Allyl chloride	4.71	41	127625	41.904	ug/l	86
15) Acrylonitrile	5.41	53	87397	218.933	ug/l	98
16) Acetone	4.15	43	112275	289.276	ug/l	99
17) Carbon Disulfide	4.41	76	254670	40.295	ug/l	97
18) Methyl Acetate	4.71	43	36690	40.636	ug/l	96
19) Methyl tert-butyl Ether	5.47	73	197705	49.387	ug/l	98
20) Methylene Chloride	4.97	84	97116	44.953	ug/l	87
21) trans-1,2-Dichloroethene	5.47	96	104632	47.515	ug/l	98
22) Diisopropyl ether	6.36	45	260819	45.076	ug/l	96
23) Vinyl Acetate	6.30	43	762039	233.520	ug/l	95
24) 1,1-Dichloroethane	6.26	63	166928	47.613	ug/l	96
25) 2-Butanone	7.21	43	120335	233.656	ug/l	92
26) 2,2-Dichloropropane	7.21	77	167304	53.066	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	110650	47.458	ug/l	98
28) Bromochloromethane	7.54	49	71019	47.727	ug/l	90
29) Tetrahydrofuran	7.56	42	68797	216.504	ug/l	92
30) Chloroform	7.71	83	187731	51.190	ug/l	92
31) Cyclohexane	7.98	56	145171	42.088	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	181944	53.634	ug/l	99
36) 1,1-Dichloropropene	8.11	75	148471	54.197	ug/l	99
37) Ethyl Acetate	7.29	43	50572	48.338	ug/l	98
38) Carbon Tetrachloride	8.09	117	177333	59.659	ug/l	96

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 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	175442	52.884	ug/l	100
40) Benzene	8.35	78	391046	51.023	ug/l	100
41) Methacrylonitrile	7.56	41	70767	118.077	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	116856	55.642	ug/l	100
43) Isopropyl Acetate	8.45	43	99667	48.776	ug/l	99
44) Trichloroethene	9.11	130	121709	52.478	ug/l	95
45) 1,2-Dichloropropane	9.38	63	92779	49.984	ug/l	97
46) Dibromomethane	9.47	93	51629	51.668	ug/l	95
47) Bromodichloromethane	9.66	83	142017	53.752	ug/l	98
48) Methyl methacrylate	9.46	41	46081	44.707	ug/l #	84
49) 1,4-Dioxane	9.46	88	11896	1027.577	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	254469	247.160	ug/l	98
52) Toluene	10.40	92	273420	54.705	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	136041	55.267	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	152427	51.085	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	74524	52.586	ug/l	96
56) Ethyl methacrylate	10.66	69	89849	54.531	ug/l	94
57) 1,3-Dichloropropane	10.95	76	122263	52.114	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	190562	242.105	ug/l	97
59) 2-Hexanone	10.98	43	199162	279.142	ug/l	98
60) Dibromochloromethane	11.14	129	104055	54.456	ug/l	98
61) 1,2-Dibromoethane	11.25	107	73173	53.551	ug/l	99
64) Tetrachloroethene	10.88	164	111444	55.465	ug/l	93
65) Chlorobenzene	11.67	112	294151	54.270	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	115235	57.579	ug/l	98
67) Ethyl Benzene	11.75	91	526602	56.456	ug/l	100
68) m/p-Xylenes	11.86	106	401783	112.068	ug/l	96
69) o-Xylene	12.18	106	185586	56.914	ug/l	97
70) Styrene	12.20	104	331904	59.241	ug/l	99
71) Bromoform	12.37	173	68435	58.376	ug/l #	96
73) Isopropylbenzene	12.48	105	538076	52.666	ug/l	99
74) N-amyl acetate	12.29	43	98090	46.305	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	78942	46.754	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	107916	84.886	ug/l #	100
77) Bromobenzene	12.77	156	130589	50.015	ug/l	95
78) n-propylbenzene	12.83	91	623361	52.580	ug/l	100
79) 2-Chlorotoluene	12.91	91	344295	50.833	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	456513	54.387	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	27532	49.694	ug/l	99
82) 4-Chlorotoluene	13.01	91	362045	50.642	ug/l	100
83) tert-Butylbenzene	13.23	119	394455	53.703	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	447688	54.061	ug/l	97
85) sec-Butylbenzene	13.41	105	550206	54.384	ug/l	100
86) p-Isopropyltoluene	13.53	119	511721	55.674	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	251249	51.829	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	255063	52.047	ug/l	98
89) n-Butylbenzene	13.85	91	469550	54.941	ug/l	99
90) Hexachloroethane	14.12	117	98777	51.913	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	218308	51.970	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	13682	49.444	ug/l	96

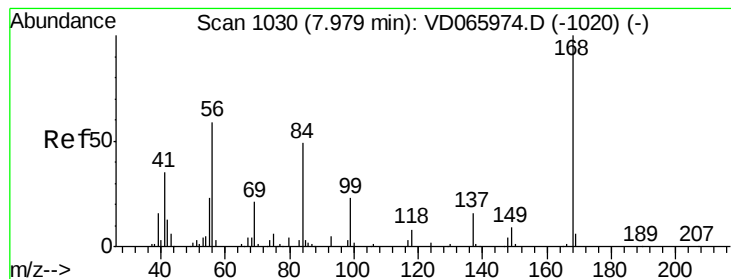
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073020\
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QLast Update : Tue Jul 21 12:34:13 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	166043	55.068	ug/l	98
94) Hexachlorobutadiene	15.28	225	106863	57.327	ug/l	99
95) Naphthalene	15.41	128	257866	48.227	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	140100	53.448	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Instrument :

MSVOA_D

ClientSampleId :

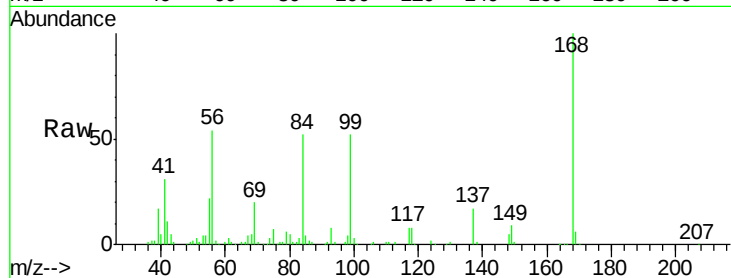
VSTDCCC050

Tot Ion:168 Resp: 235652

Ion Ratio Lower Upper

168 100

99 51.9 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

100000

80000

60000

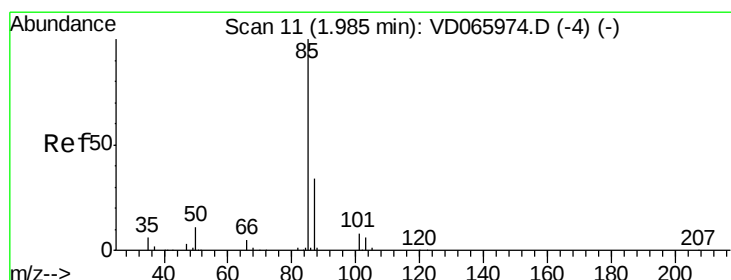
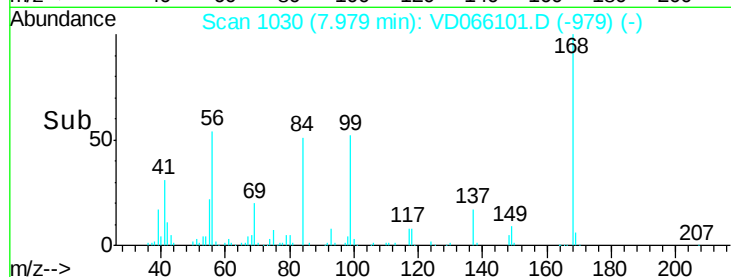
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 43.426 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD066101.D

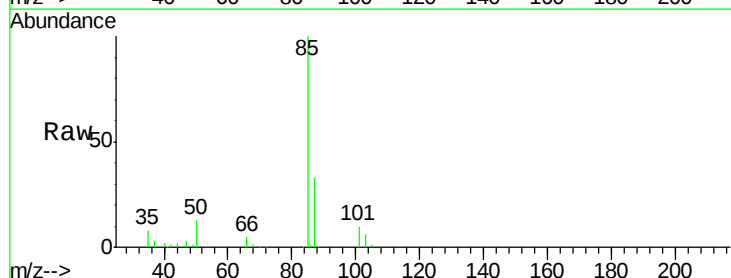
Acq: 30 Jul 2020 10:06

Tgt Ion: 85 Resp: 77661

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

60000

50000

40000

30000

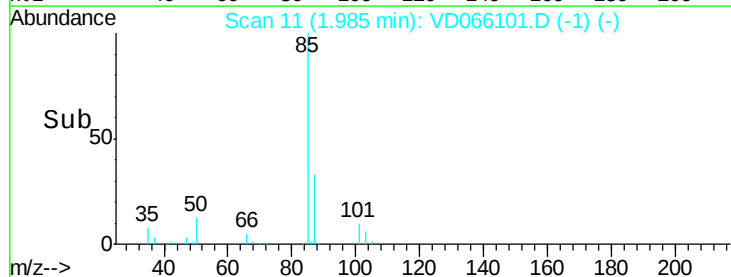
20000

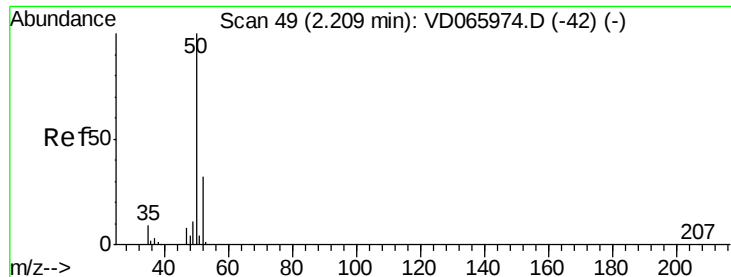
10000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 40.079 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Instrument :

MSVOA_D

ClientSampleId :

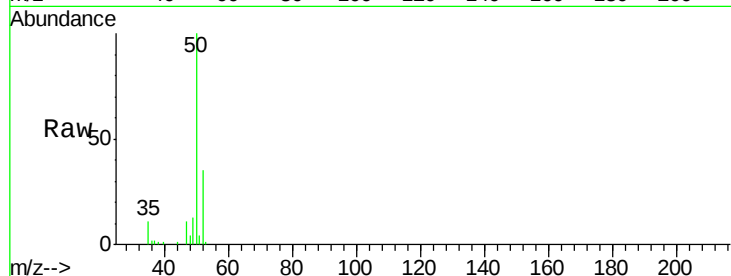
VSTDCCC050

Tot Ion: 50 Resp: 58493

Ion Ratio Lower Upper

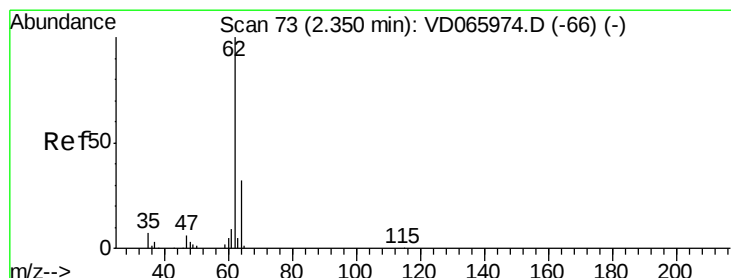
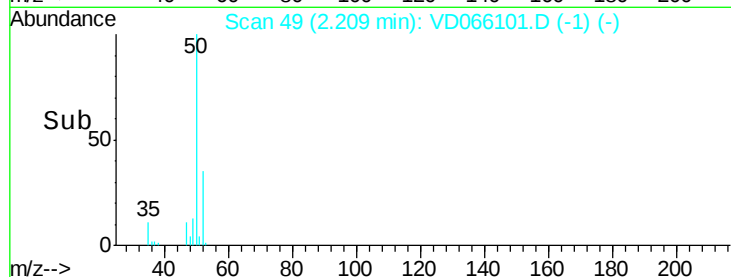
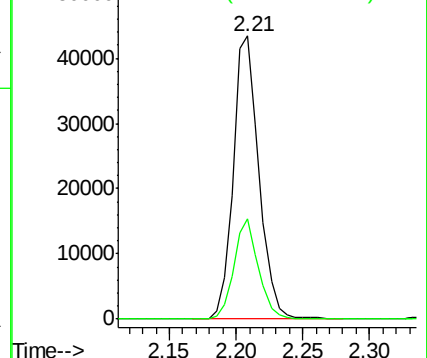
50 100

52 35.3 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: 47.443 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066101.D

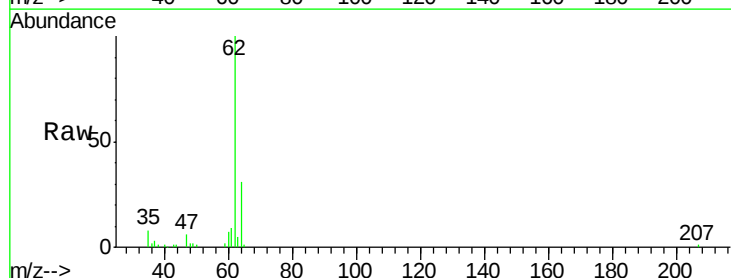
Acq: 30 Jul 2020 10:06

Tgt Ion: 62 Resp: 65937

Ion Ratio Lower Upper

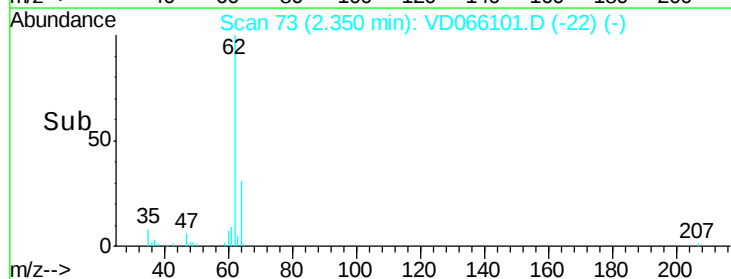
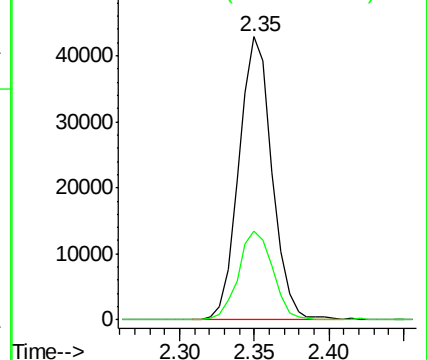
62 100

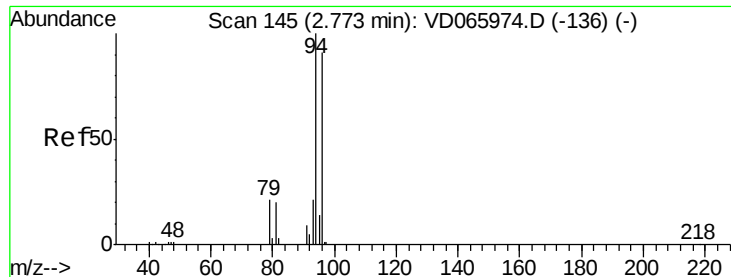
64 31.3 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 50.126 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Instrument :

MSVOA_D

ClientSampleId :

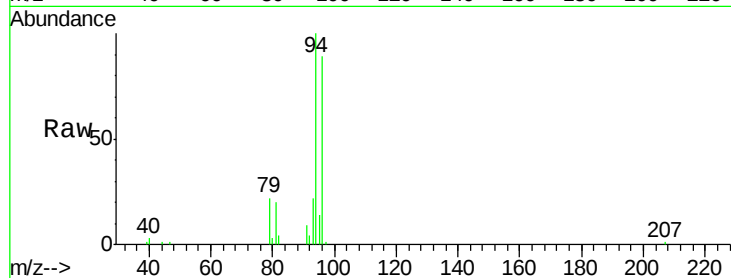
VSTDCCC050

Tot Ion: 94 Resp: 48982

Ion Ratio Lower Upper

94 100

96 88.8 73.0 109.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

25000

20000

15000

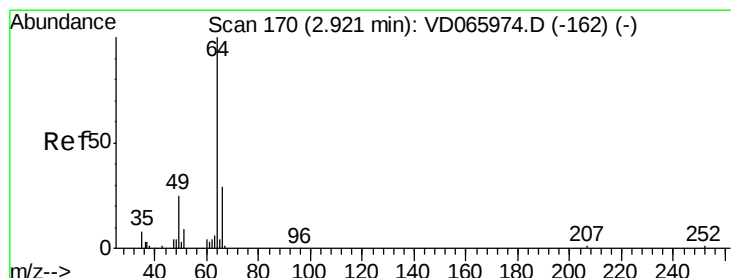
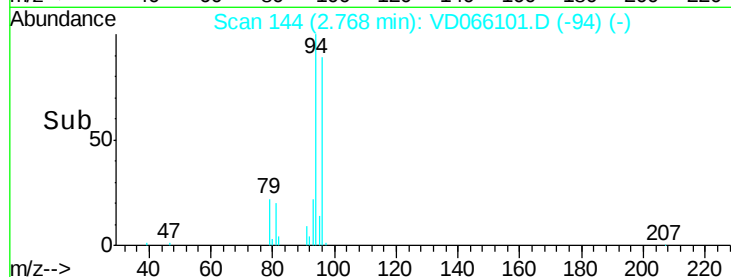
10000

5000

0

2.70 2.80 2.90

Time-->



#6

Chloroethane

Concen: 48.984 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD066101.D

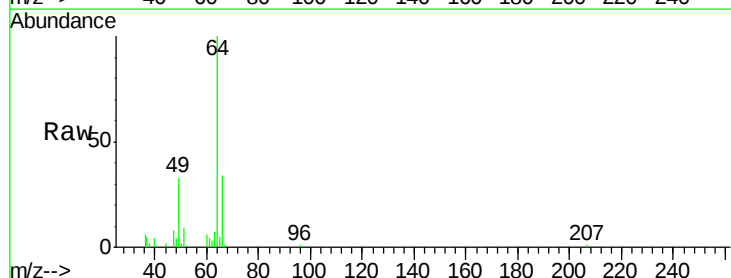
Acq: 30 Jul 2020 10:06

Tgt Ion: 64 Resp: 40639

Ion Ratio Lower Upper

64 100

66 33.8 23.4 35.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

20000

15000

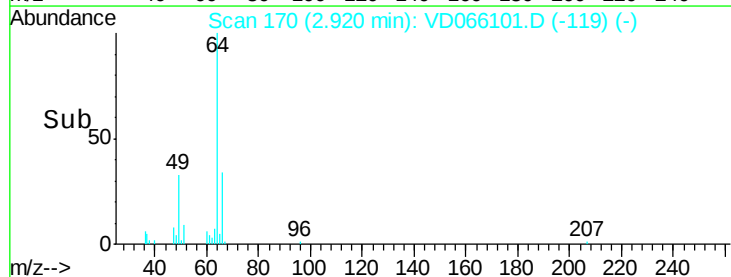
10000

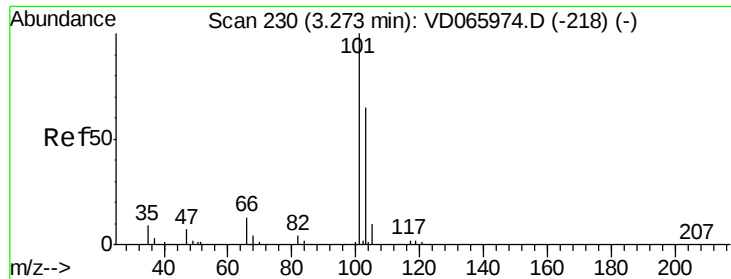
5000

0

2.85 2.90 2.95 3.00

Time-->



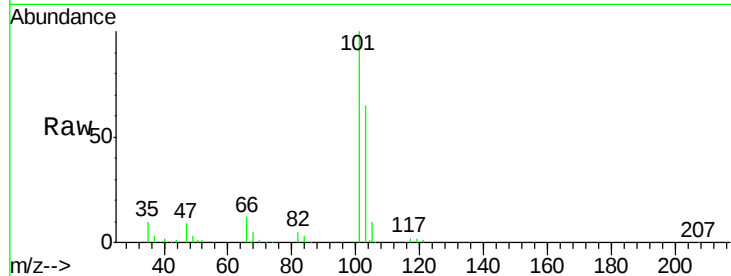


#7

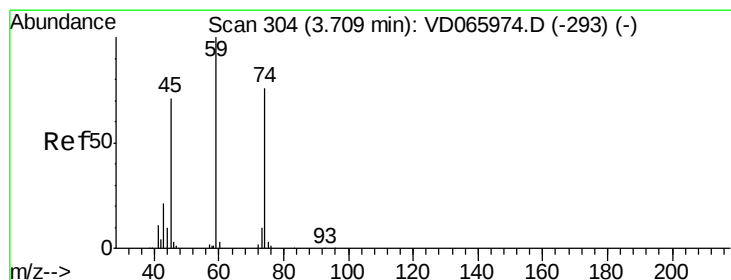
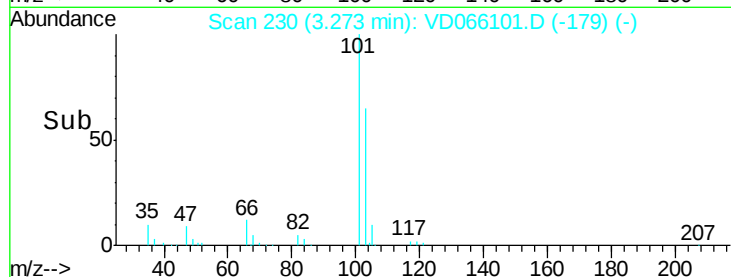
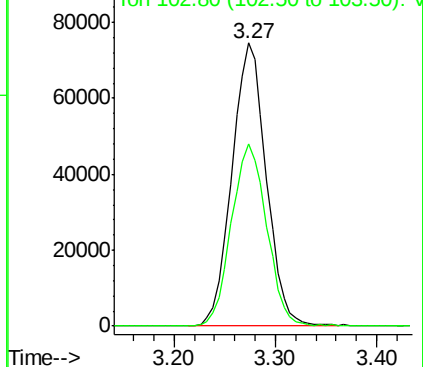
Trichlorofluoromethane
Concen: 51.798 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD066101.D
Acq: 30 Jul 2020 10:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 175103
Ion Ratio Lower Upper
101 100
103 64.5 52.1 78.1



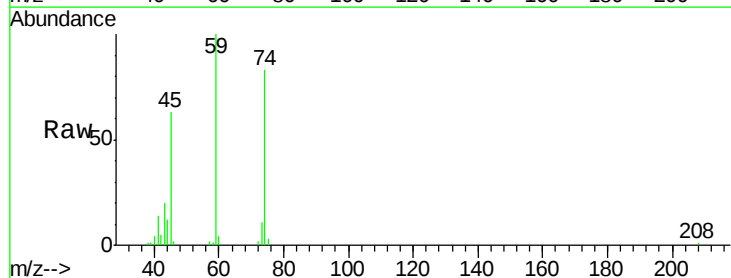
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



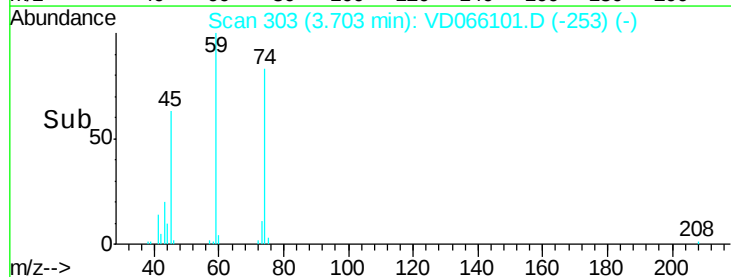
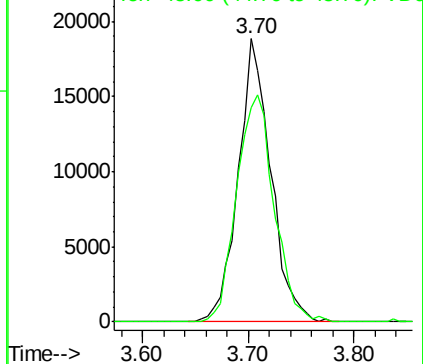
#8

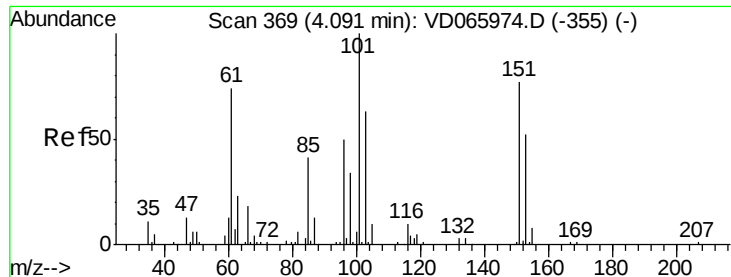
Diethyl Ether
Concen: 43.126 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD066101.D
Acq: 30 Jul 2020 10:06

Tgt Ion: 74 Resp: 40297
Ion Ratio Lower Upper
74 100
45 92.4 49.9 149.6



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.408 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

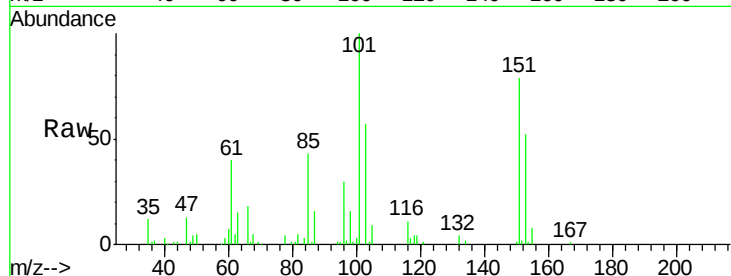
Tot Ion:101 Resp: 100851

Ion Ratio Lower Upper

101 100

85 42.6 33.6 50.4

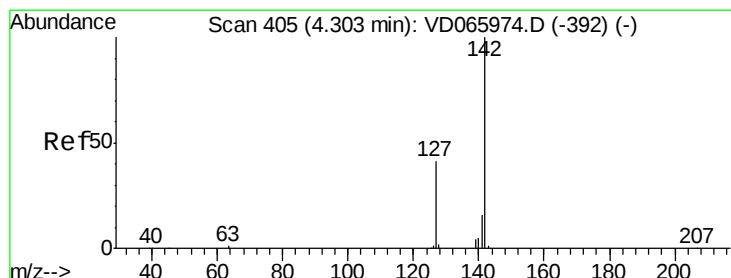
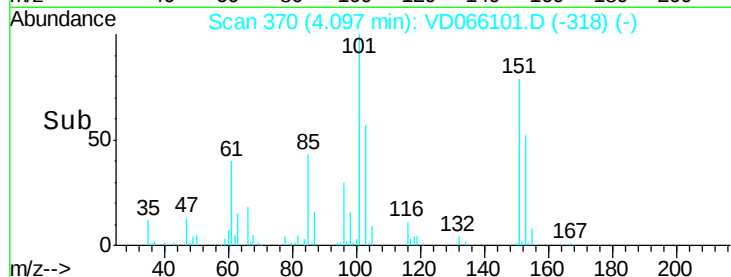
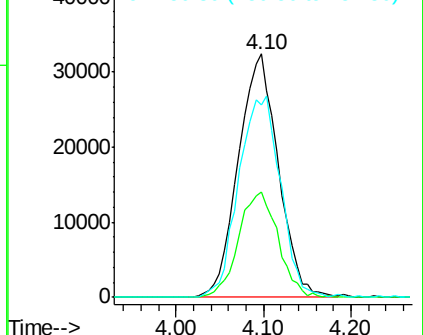
151 86.2 66.6 99.8



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: 48.089 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.00 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

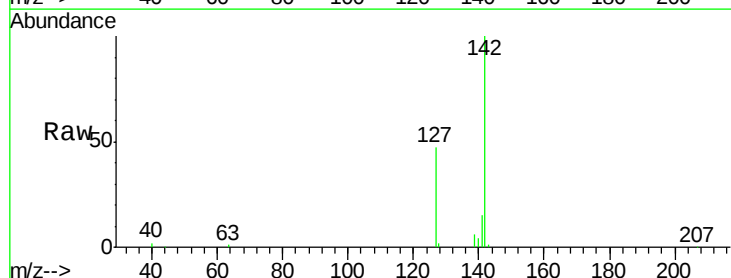
Tgt Ion:142 Resp: 98311

Ion Ratio Lower Upper

142 100

127 48.8 32.9 49.3

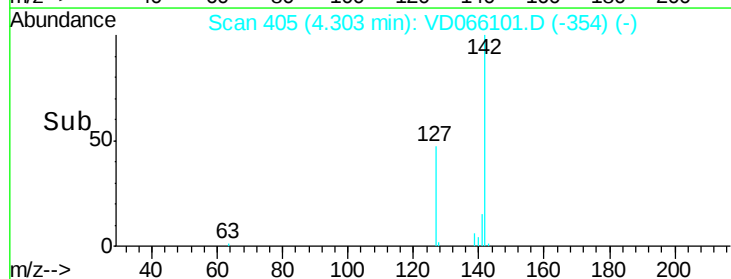
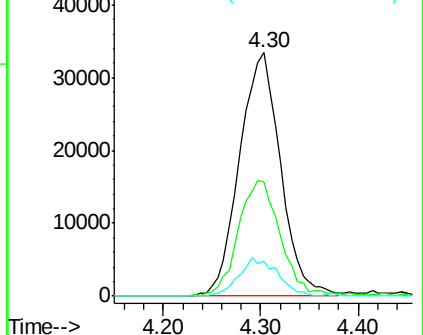
141 14.8 11.8 17.6

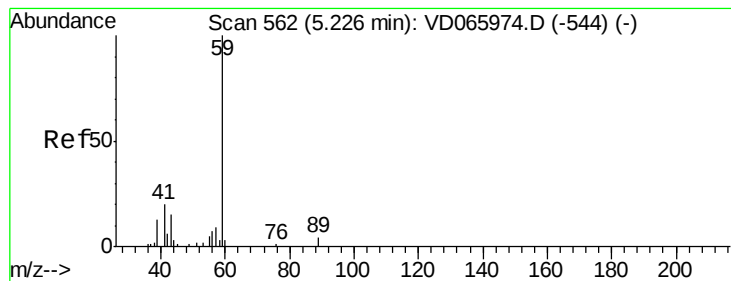


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 200.526 ug/l

RT: 5.22 min Scan# 561

Delta R.T. -0.01 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Instrument :

MSVOA_D

ClientSampleId :

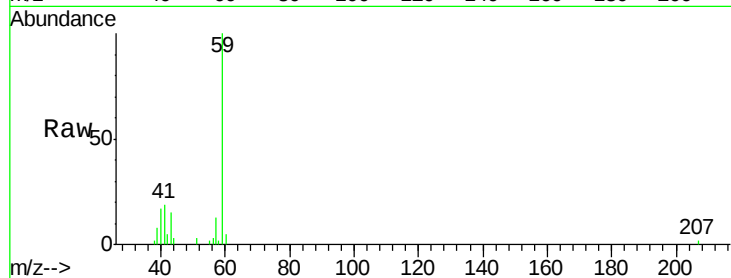
VSTDCCC050

Tot Ion: 59 Resp: 24838

Ion Ratio Lower Upper

59 100

57 10.0 4.5 6.7#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.22

8000

6000

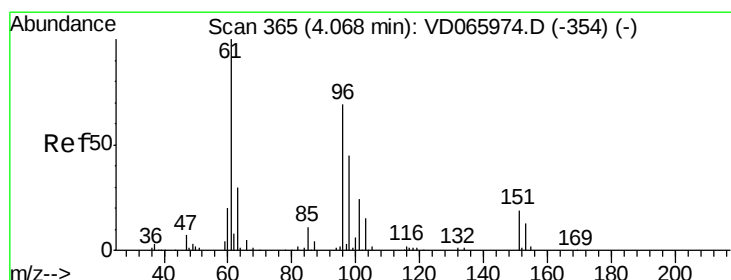
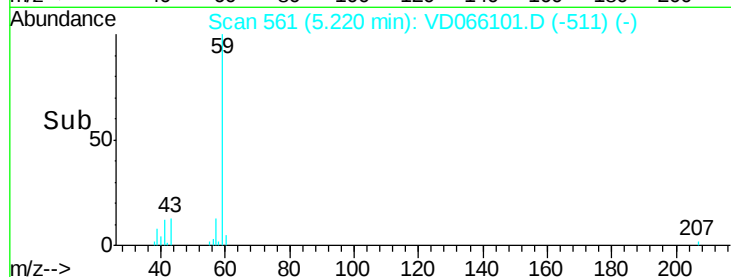
4000

2000

0

Time-->

5.10 5.20 5.30



#12

1,1-Dichloroethene

Concen: 47.344 ug/l

RT: 4.07 min Scan# 365

Delta R.T. -0.00 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

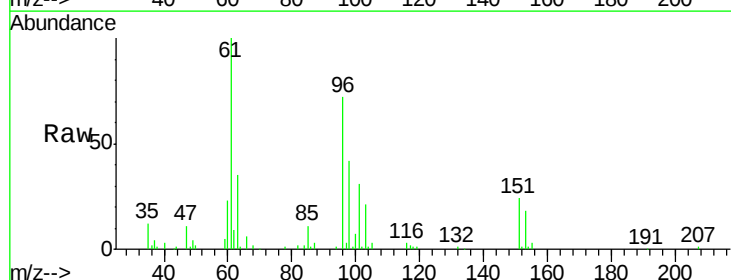
Tgt Ion: 96 Resp: 92245

Ion Ratio Lower Upper

96 100

61 139.4 115.4 173.0

98 58.5 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

60000

50000

40000

30000

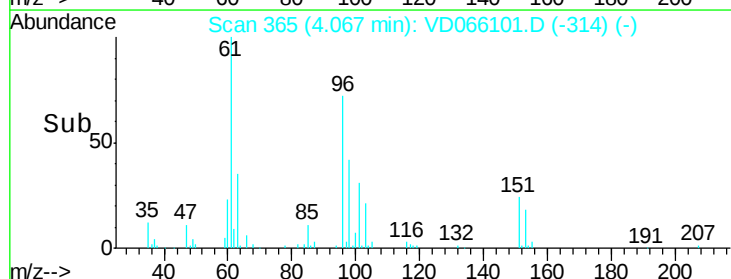
20000

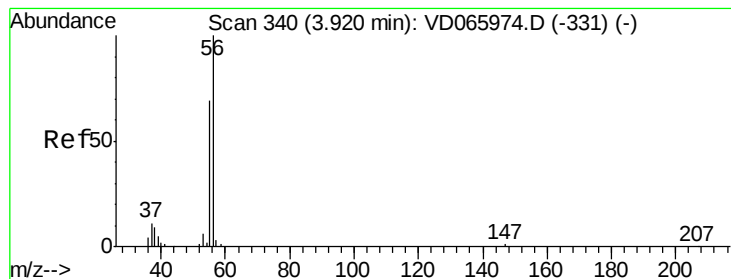
10000

0

Time-->

4.00 4.10 4.20





#13

Acrolein

Concen: 169.382 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.00 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Instrument :

MSVOA_D

ClientSampleId :

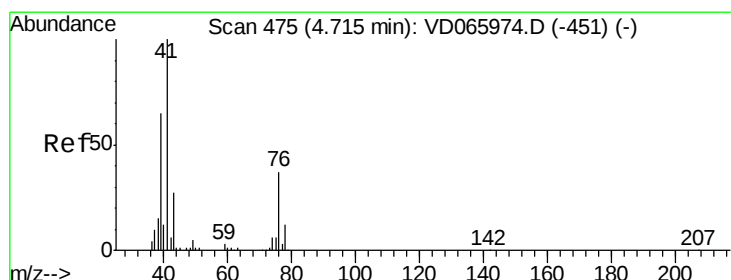
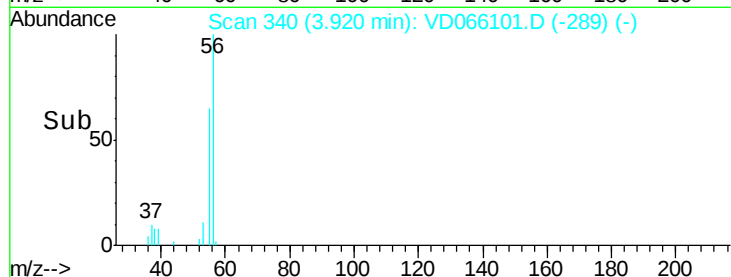
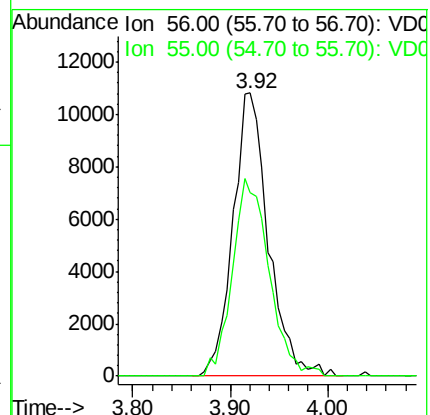
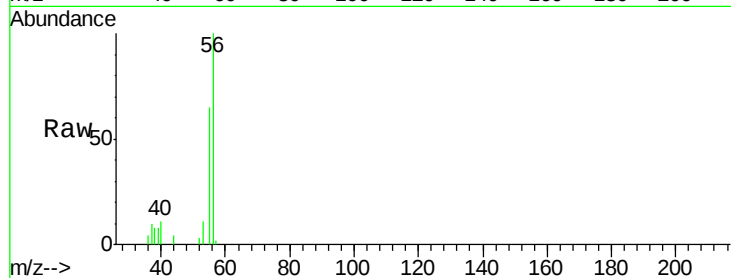
VSTDCCC050

Tot Ion: 56 Resp: 27364

Ion Ratio Lower Upper

56 100

55 72.8 55.8 83.8



#14

Allyl chloride

Concen: 41.904 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

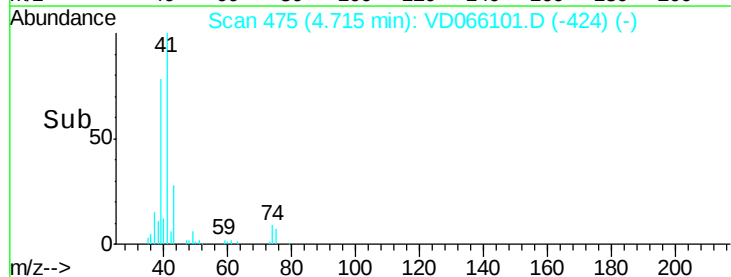
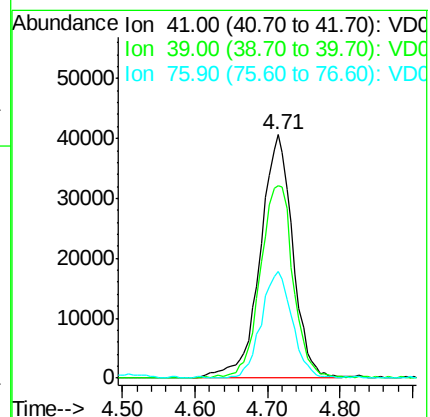
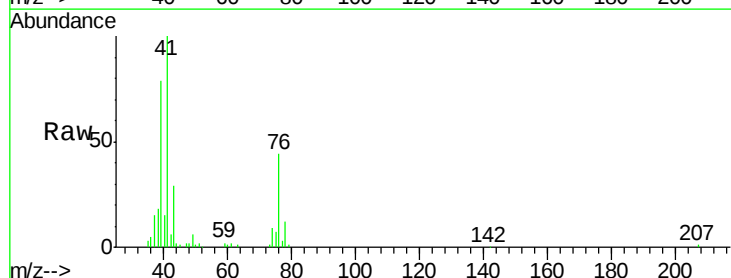
Tgt Ion: 41 Resp: 127625

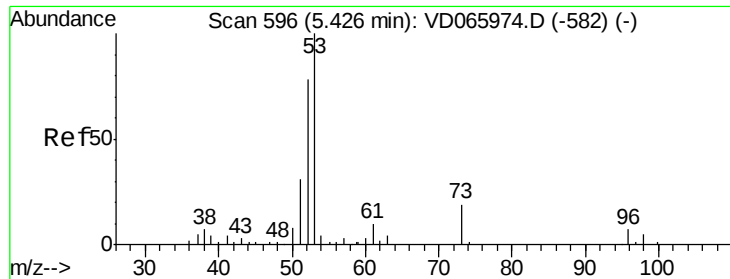
Ion Ratio Lower Upper

41 100

39 79.9 53.4 80.2

76 41.6 29.1 43.7





#15

Acrylonitrile

Concen: 218.933 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

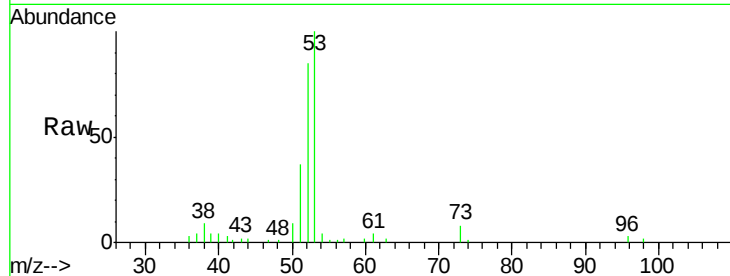
Tot Ion: 53 Resp: 87397

Ion Ratio Lower Upper

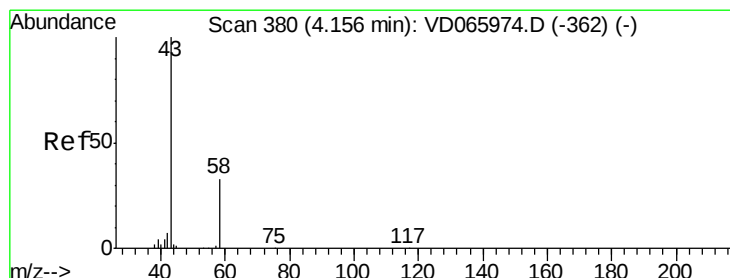
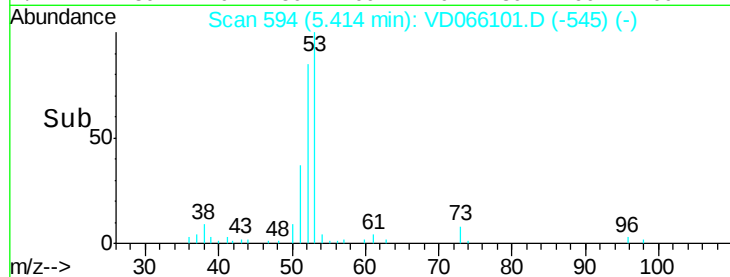
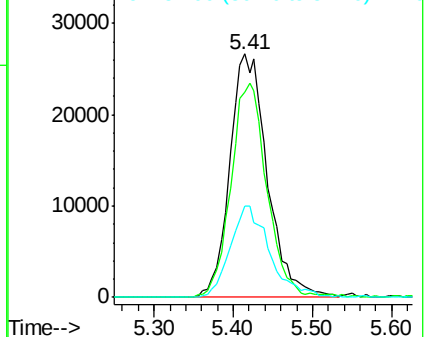
53 100

52 84.0 67.1 100.7

51 39.2 28.7 43.1



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 289.276 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD066101.D

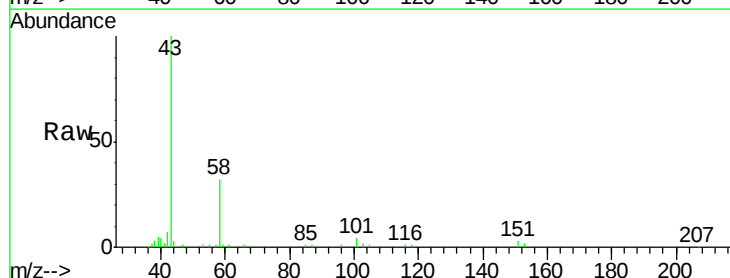
Acq: 30 Jul 2020 10:06

Tgt Ion: 43 Resp: 112275

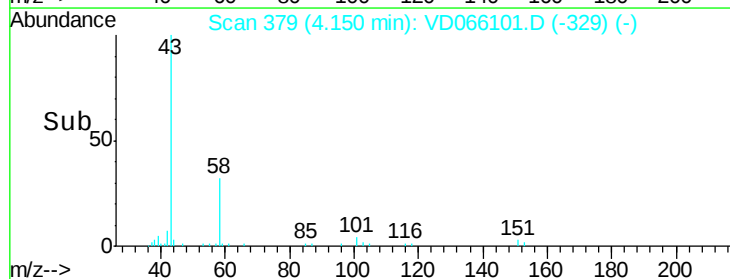
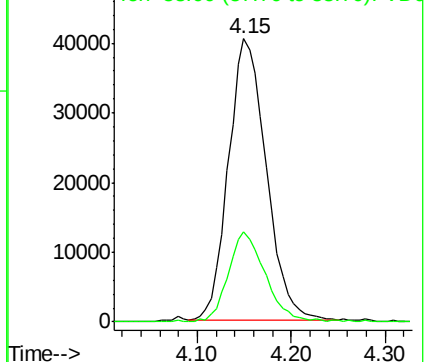
Ion Ratio Lower Upper

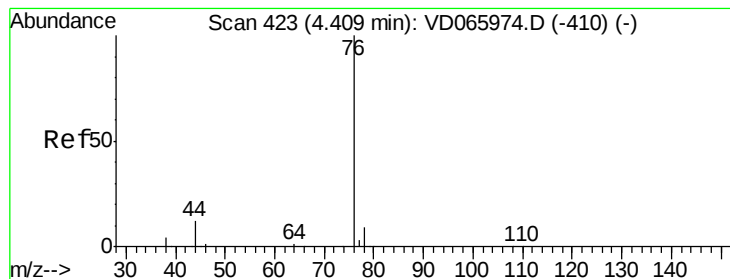
43 100

58 32.2 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: 40.295 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Instrument :

MSVOA_D

ClientSampleId :

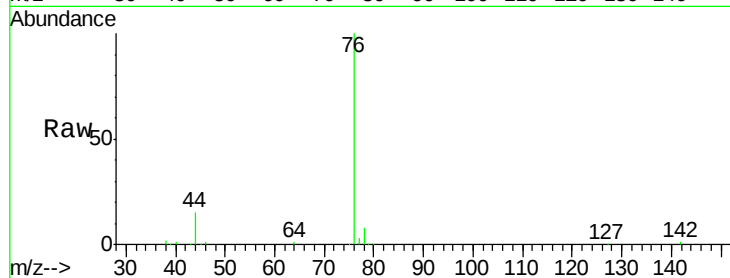
VSTDCCC050

Tot Ion: 76 Resp: 254670

Ion Ratio Lower Upper

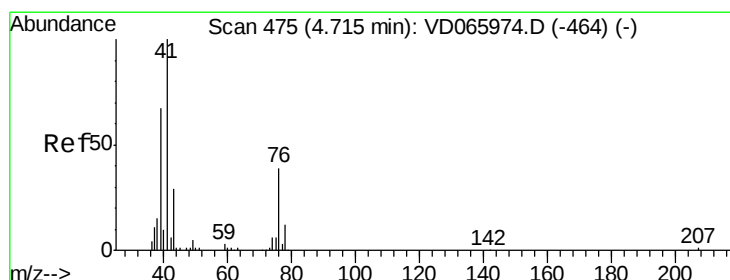
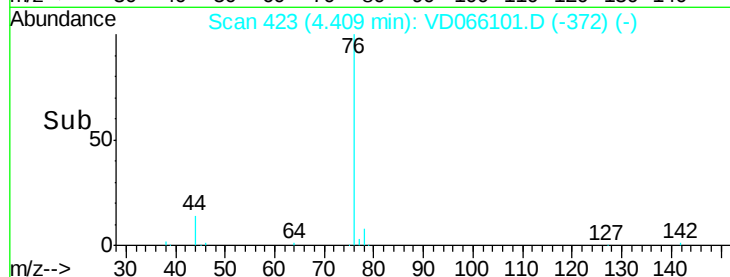
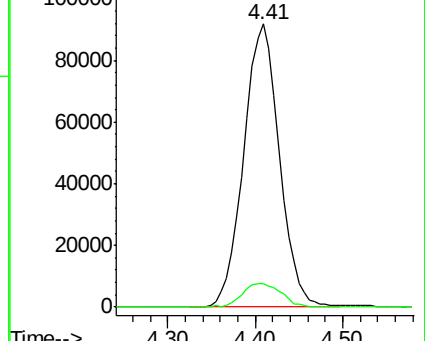
76 100

78 8.3 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: 40.636 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD066101.D

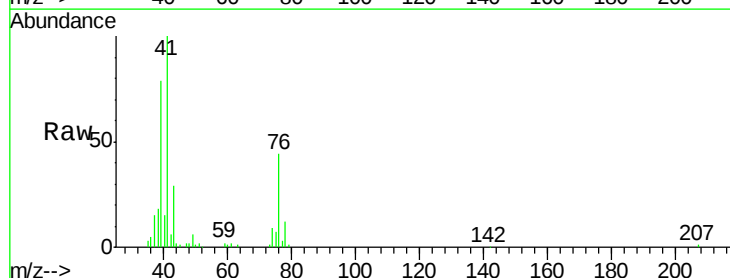
Acq: 30 Jul 2020 10:06

Tgt Ion: 43 Resp: 36690

Ion Ratio Lower Upper

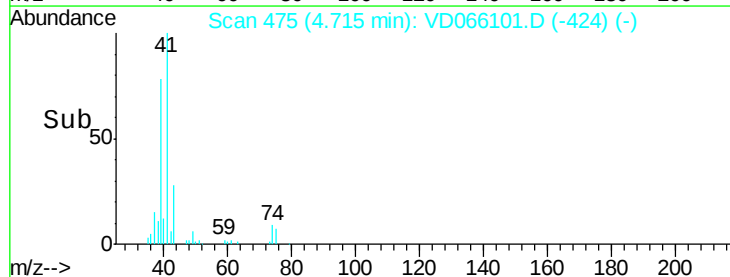
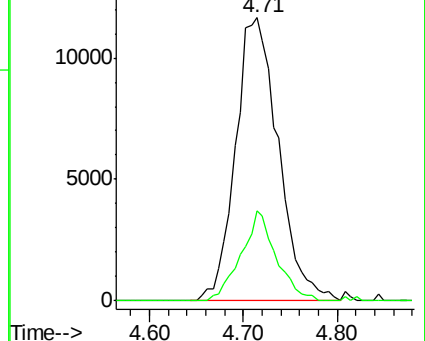
43 100

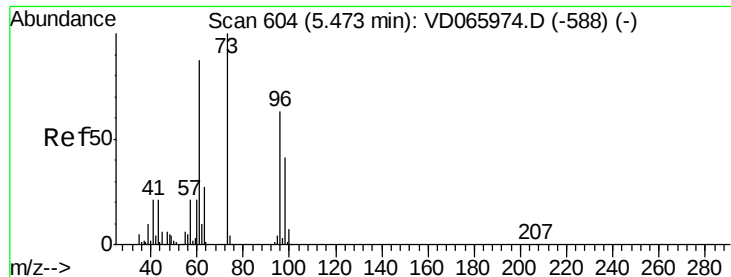
74 26.0 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



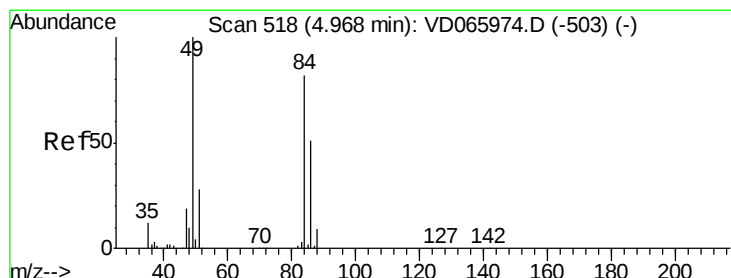
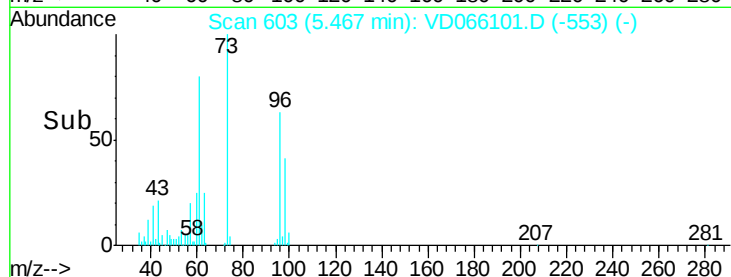
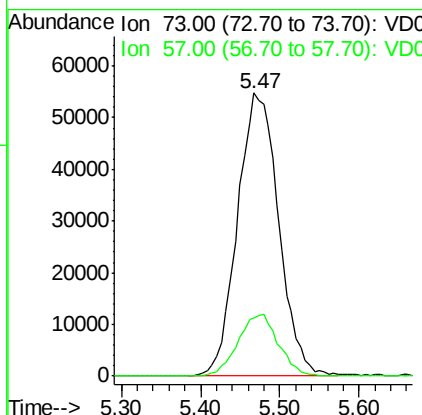
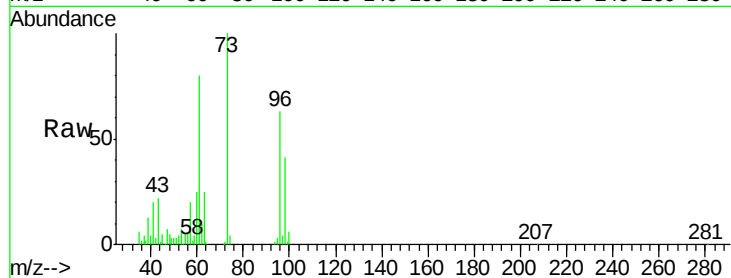


#19

Methyl tert-butyl Ether
 Concen: 49.387 ug/l
 RT: 5.47 min Scan# 603
 Delta R.T. -0.01 min
 Lab File: VD066101.D
 Acq: 30 Jul 2020 10:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

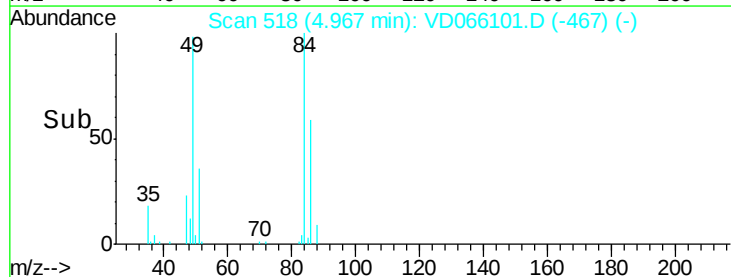
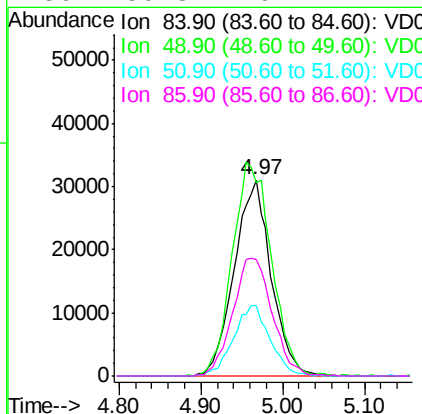
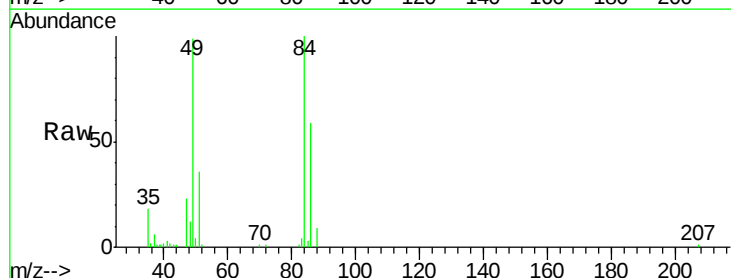
Tot Ion: 73 Resp: 197705
 Ion Ratio Lower Upper
 73 100
 57 20.5 17.0 25.4

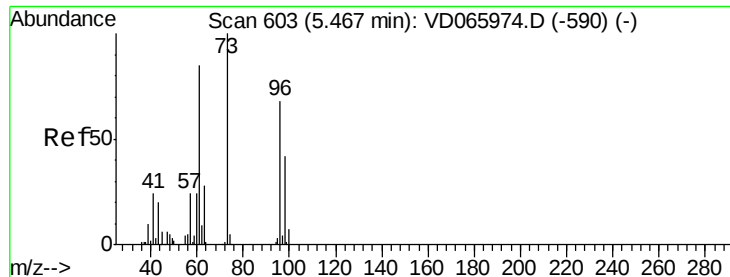


#20

Methylene Chloride
 Concen: 44.953 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.00 min
 Lab File: VD066101.D
 Acq: 30 Jul 2020 10:06

Tgt Ion: 84 Resp: 97116
 Ion Ratio Lower Upper
 84 100
 49 98.8 97.7 146.5
 51 35.6 27.4 41.2
 86 59.3 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 47.515 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

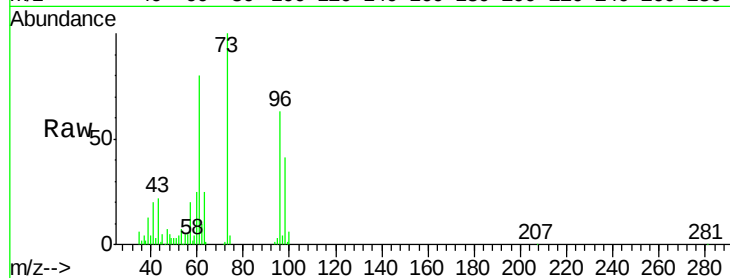
Tot Ion: 96 Resp: 104632

Ion Ratio Lower Upper

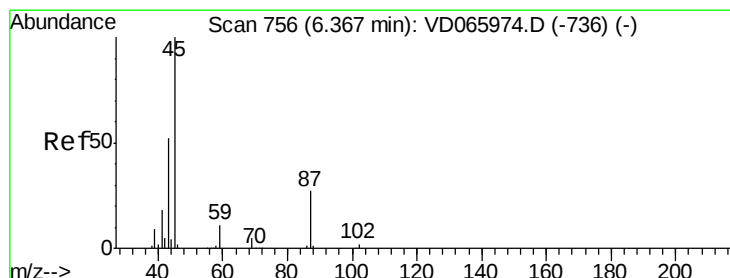
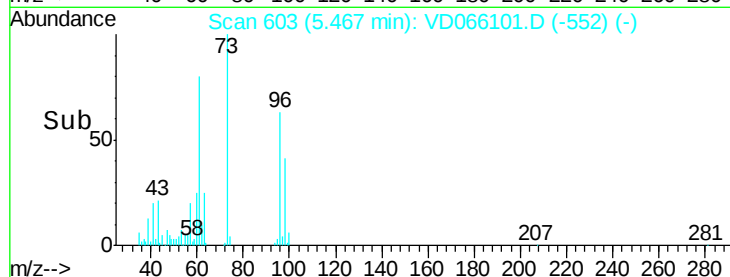
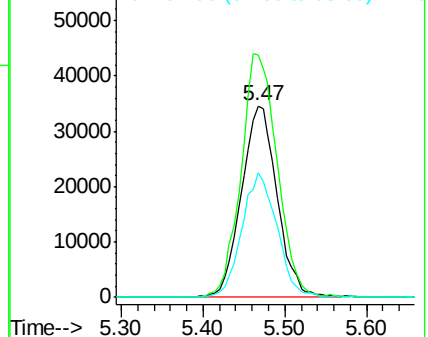
96 100

61 126.5 100.5 150.7

98 65.0 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: 45.076 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Tgt Ion: 45 Resp: 260819

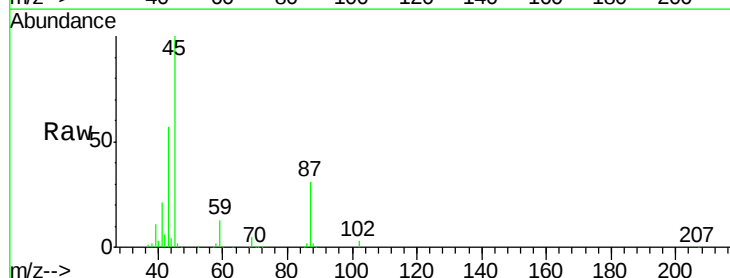
Ion Ratio Lower Upper

45 100

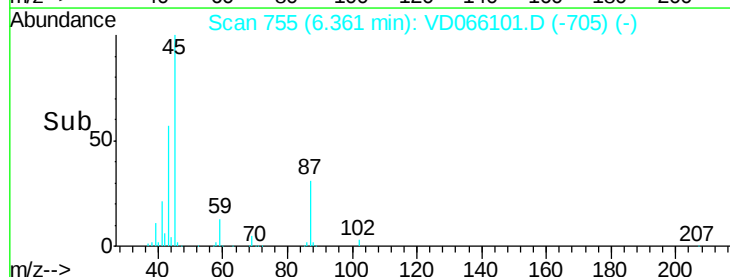
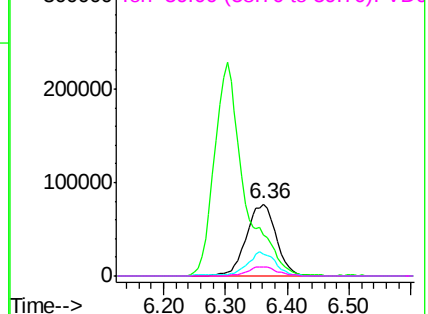
43 56.2 43.0 64.4

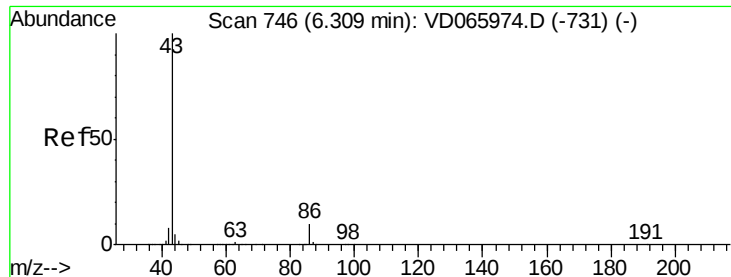
87 30.5 22.0 33.0

59 12.5 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: 233.520 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Instrument :

MSVOA_D

ClientSampleId :

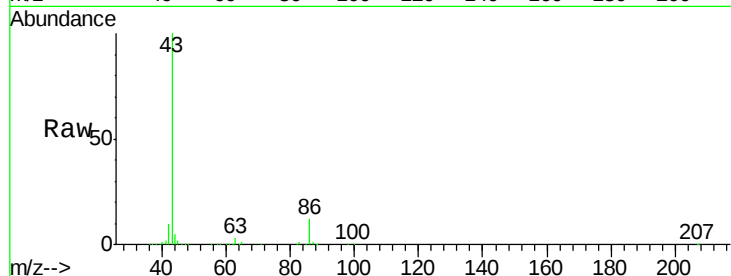
VSTDCCC050

Tot Ion: 43 Resp: 762039

Ion Ratio Lower Upper

43 100

86 11.7 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

250000

200000

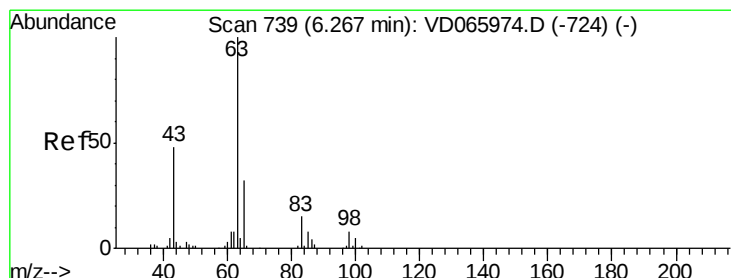
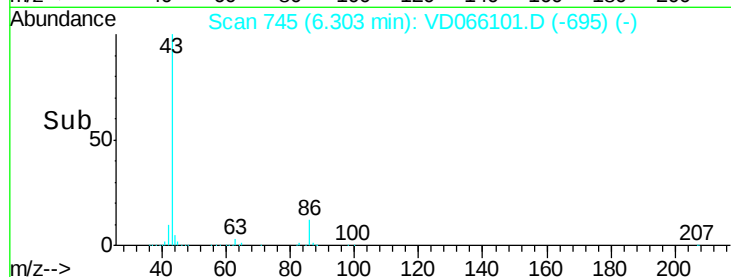
150000

100000

50000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 47.613 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

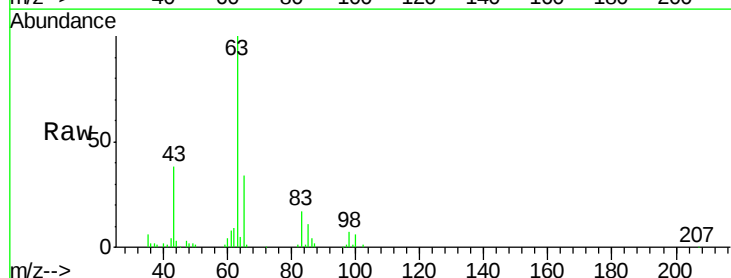
Tgt Ion: 63 Resp: 166928

Ion Ratio Lower Upper

63 100

98 7.3 4.3 12.8

100 6.4 2.5 7.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

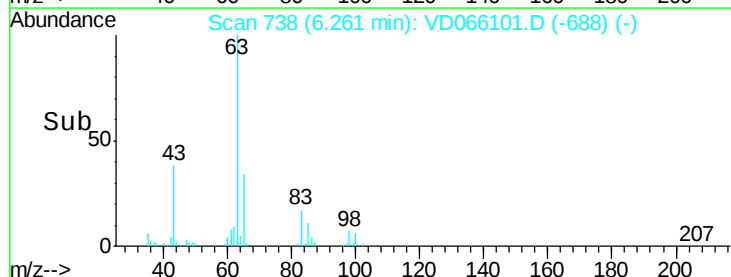
60000

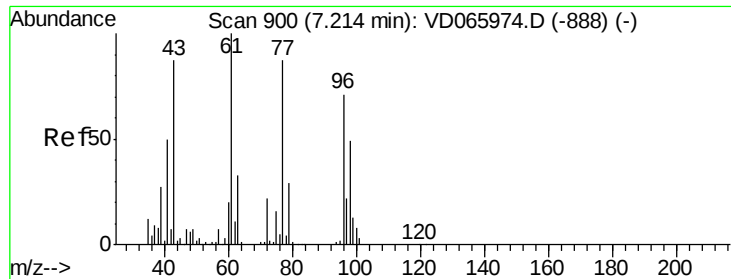
40000

20000

0

Time--> 6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 233.656 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Instrument :

MSVOA_D

ClientSampleId :

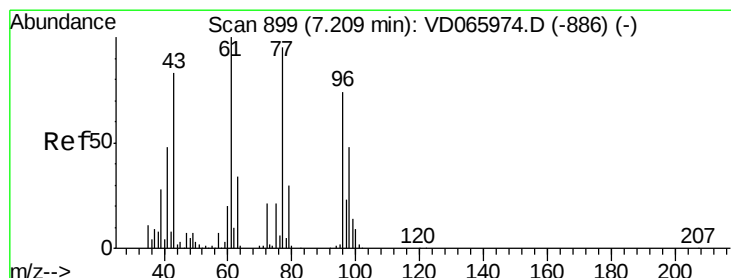
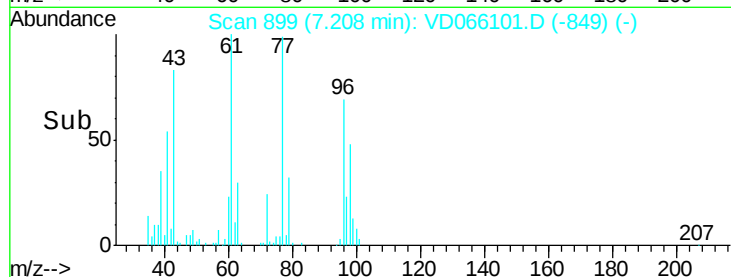
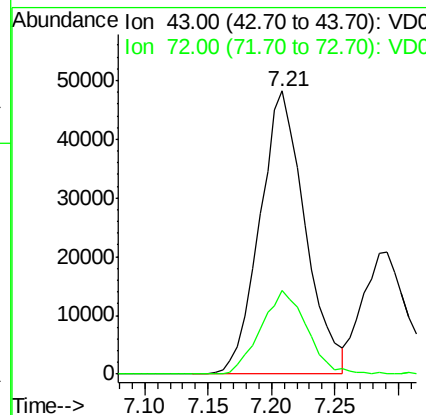
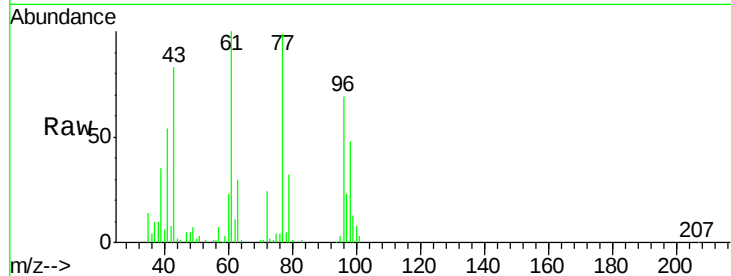
VSTDCCC050

Tot Ion: 43 Resp: 120335

Ion Ratio Lower Upper

43 100

72 29.4 20.2 30.2



#26

2,2-Dichloropropane

Concen: 53.066 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD066101.D

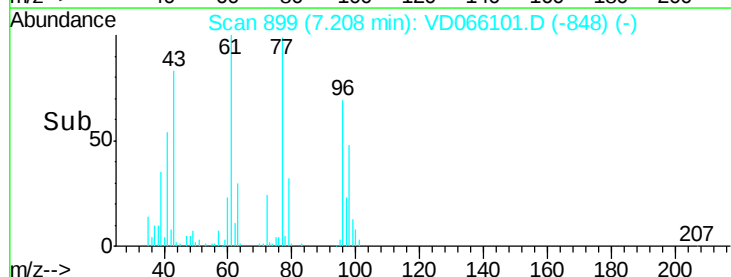
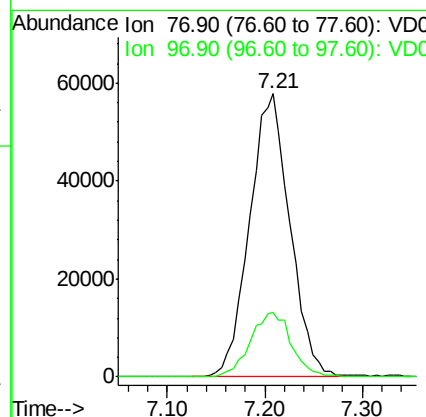
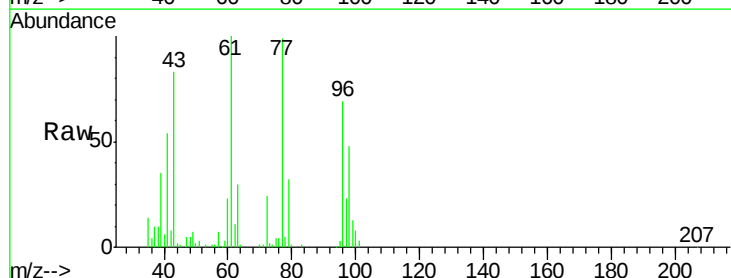
Acq: 30 Jul 2020 10:06

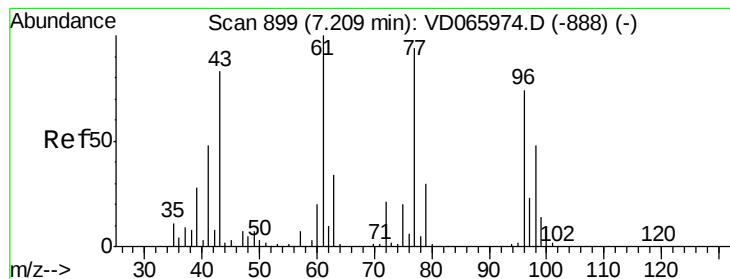
Tgt Ion: 77 Resp: 167304

Ion Ratio Lower Upper

77 100

97 23.1 11.6 34.7



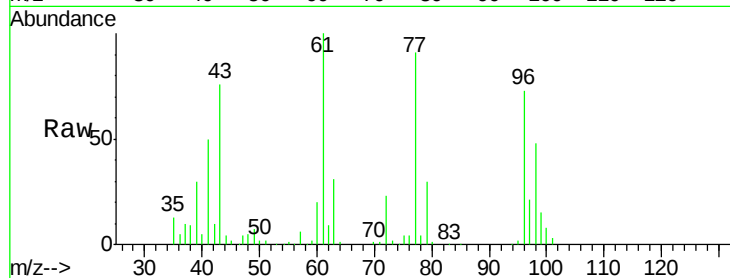


#27

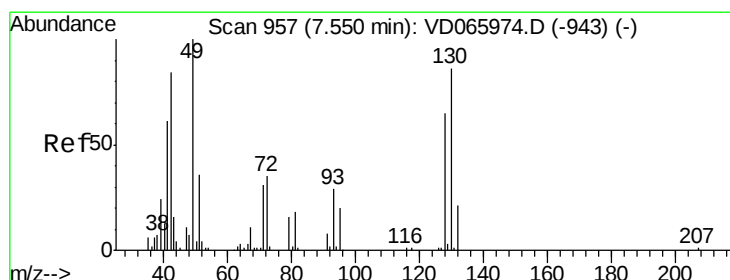
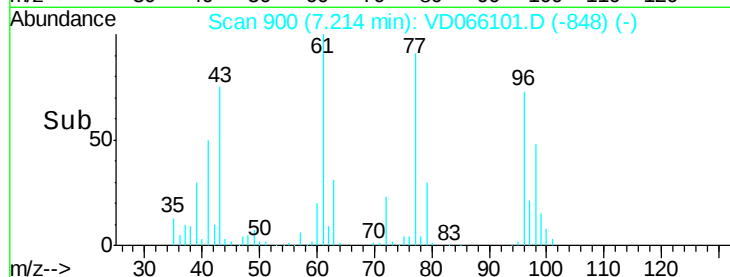
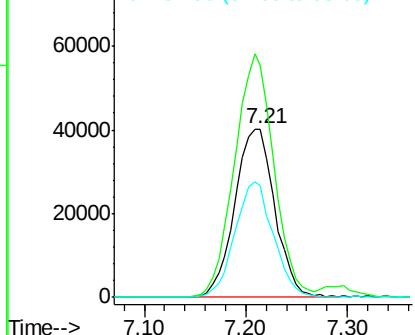
cis-1,2-Dichloroethene
Concen: 47.458 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD066101.D
Acq: 30 Jul 2020 10:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 110650
Ion Ratio Lower Upper
96 100
61 142.0 0.0 276.6
98 65.9 0.0 130.8



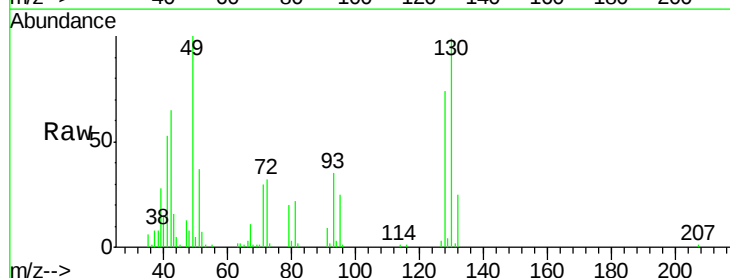
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



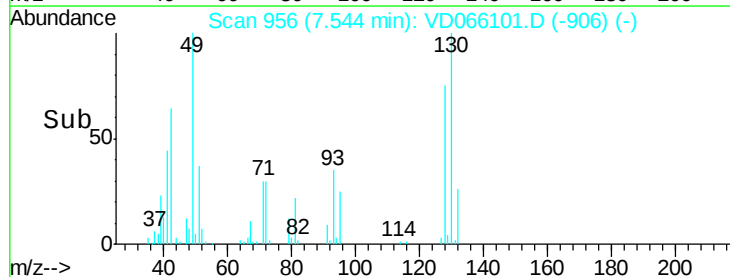
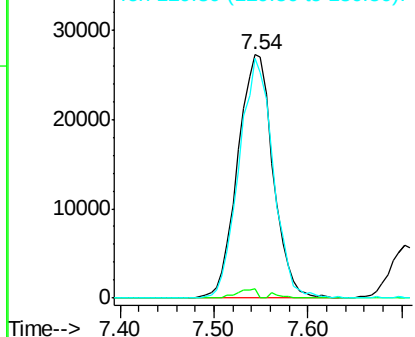
#28

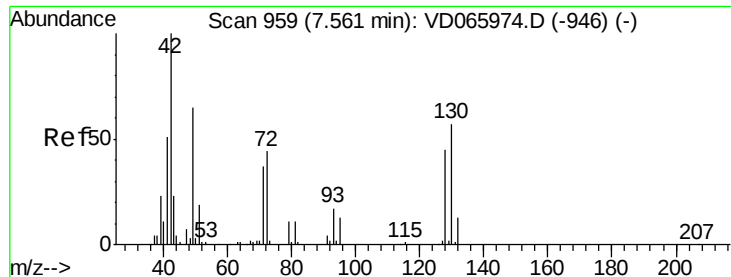
Bromochloromethane
Concen: 47.727 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD066101.D
Acq: 30 Jul 2020 10:06

Tgt Ion: 49 Resp: 71019
Ion Ratio Lower Upper
49 100
129 2.0 0.0 4.8
130 95.0 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

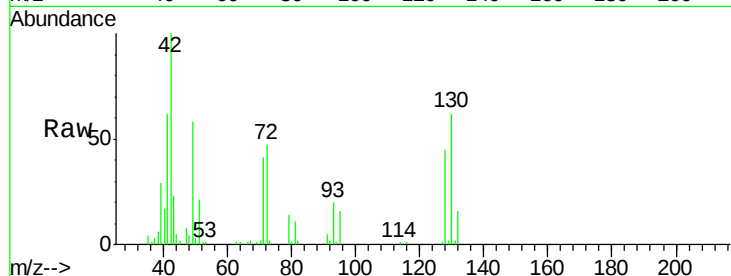




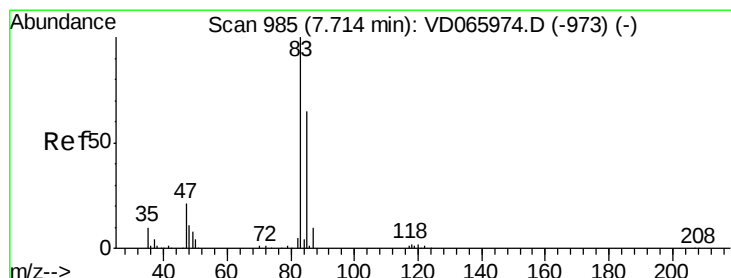
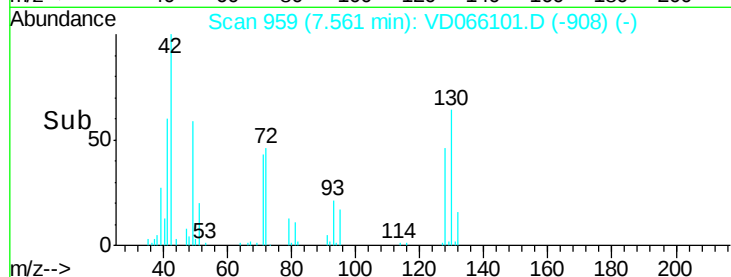
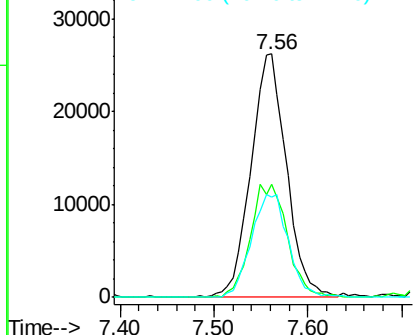
#29
Tetrahydrofuran
Concen: 216.504 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.00 min
Lab File: VD066101.D
Acq: 30 Jul 2020 10:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 68797
Ion Ratio Lower Upper
42 100
72 48.1 34.2 51.2
71 44.2 31.4 47.2

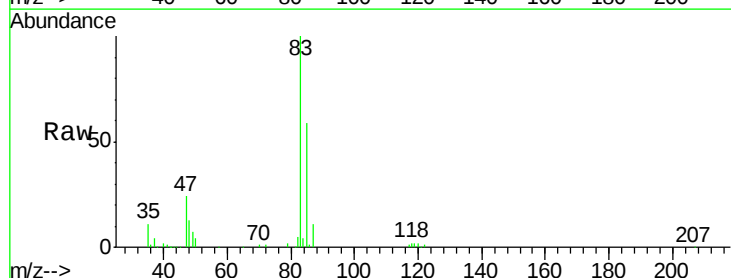


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

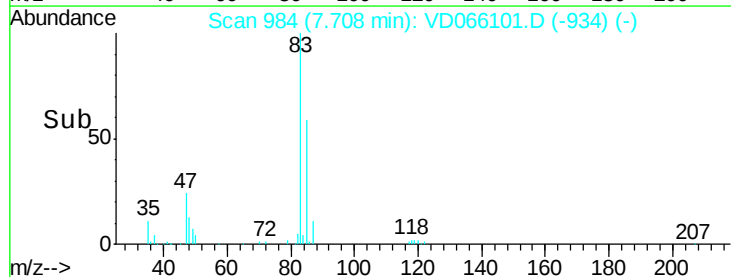
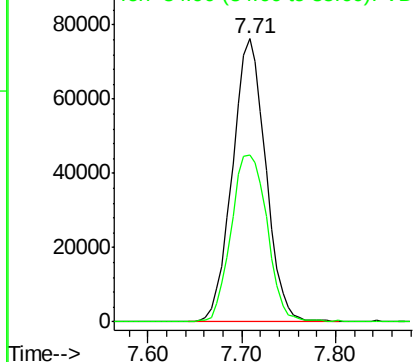


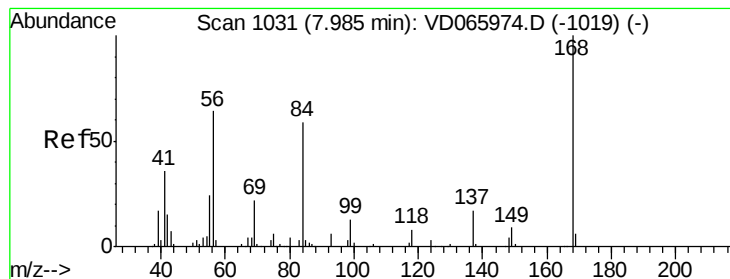
#30
Chloroform
Concen: 51.190 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD066101.D
Acq: 30 Jul 2020 10:06

Tgt Ion: 83 Resp: 187731
Ion Ratio Lower Upper
83 100
85 58.8 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: 42.088 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

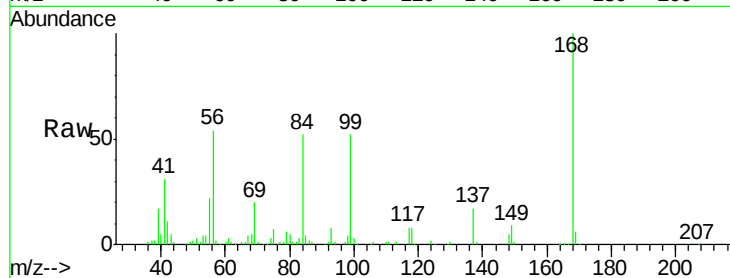
Tot Ion: 56 Resp: 145171

Ion Ratio Lower Upper

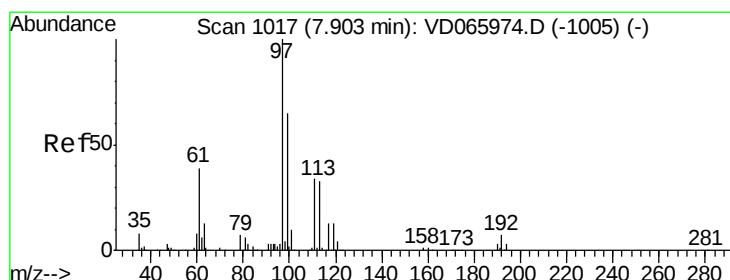
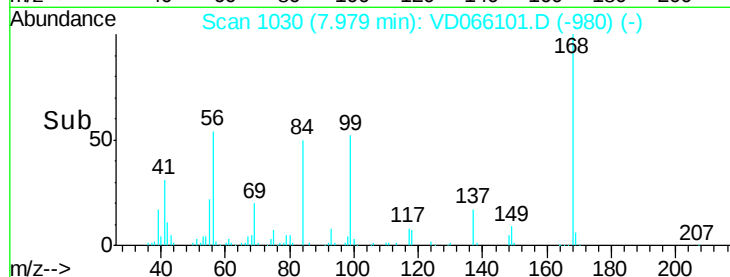
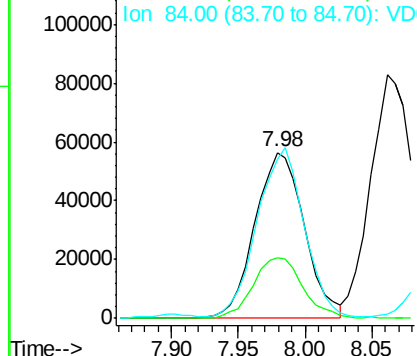
56 100

69 36.5 28.0 42.0

84 93.9 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: 53.634 ug/l

RT: 7.90 min Scan# 1016

Delta R.T. -0.01 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

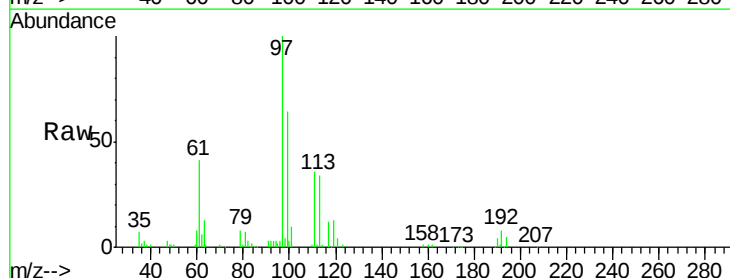
Tgt Ion: 97 Resp: 181944

Ion Ratio Lower Upper

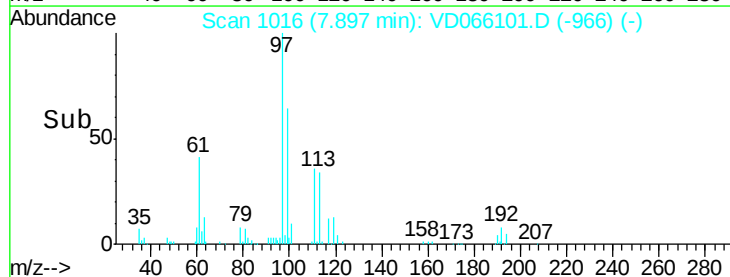
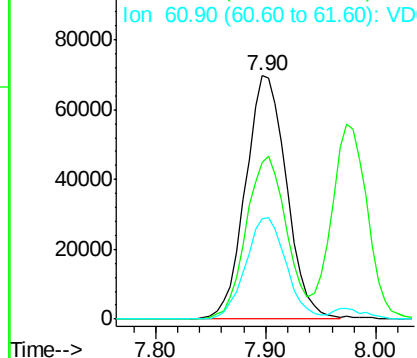
97 100

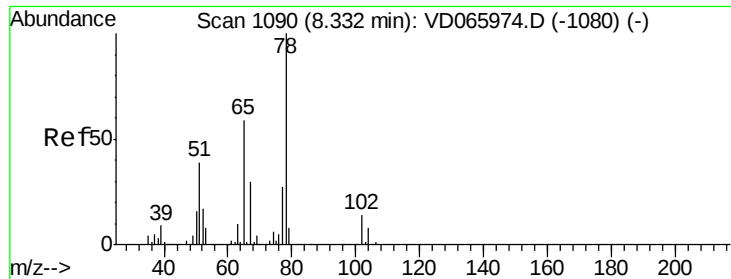
99 65.5 51.8 77.6

61 41.3 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

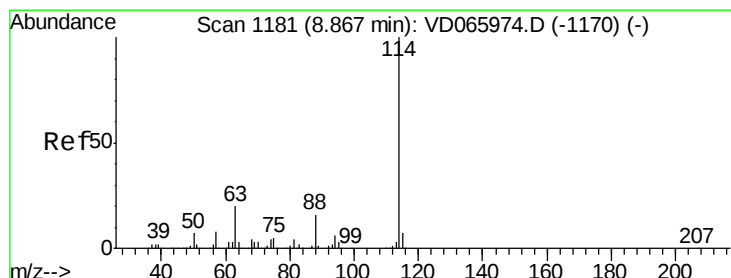
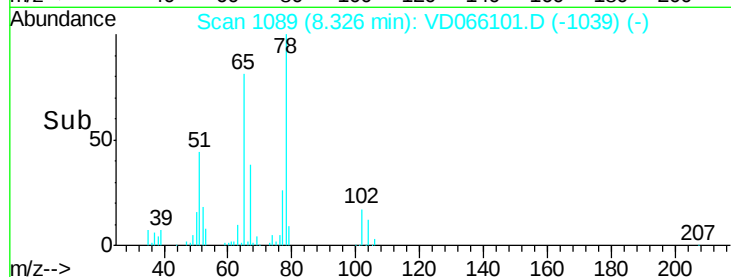
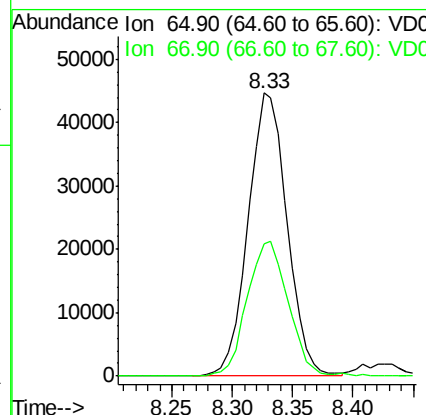
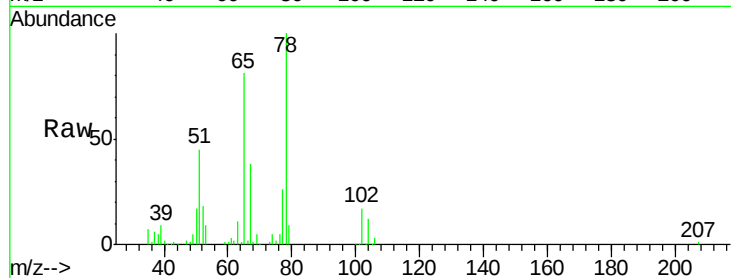




#33
 1,2-Dichloroethane-d4
 Concen: 52.229 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066101.D
 Acq: 30 Jul 2020 10:06

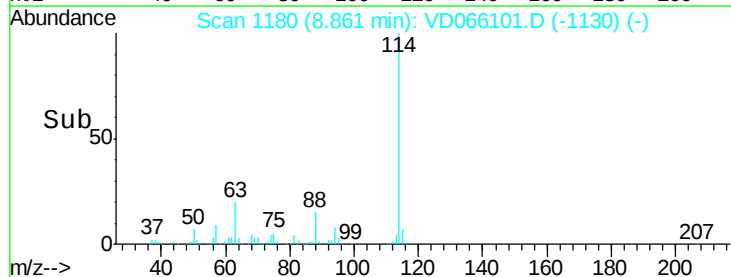
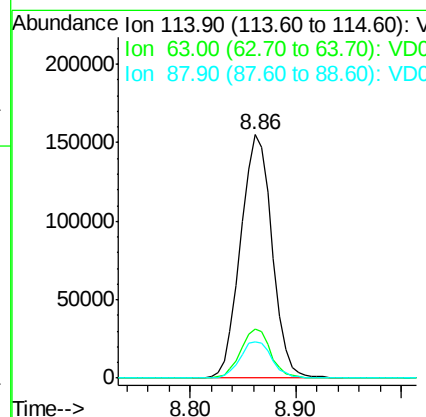
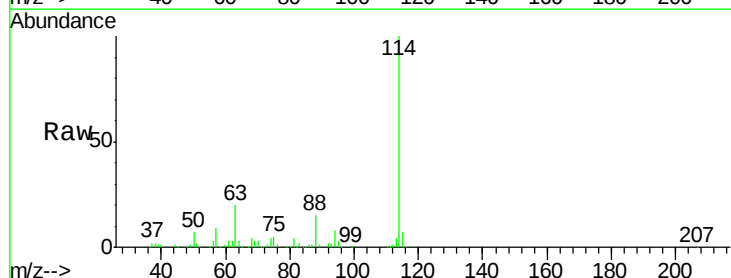
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

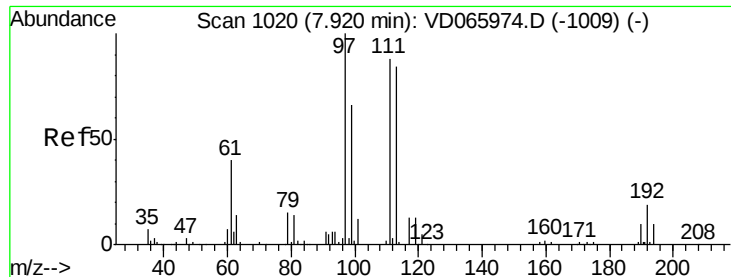
Tot Ion: 65 Resp: 100147
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VD066101.D
 Acq: 30 Jul 2020 10:06

Tgt Ion: 114 Resp: 320987
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 39.6
 88 14.7 0.0 31.2

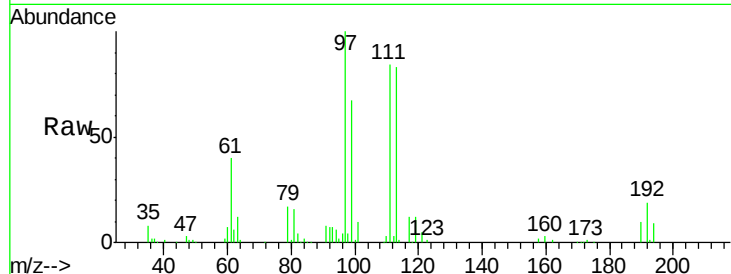




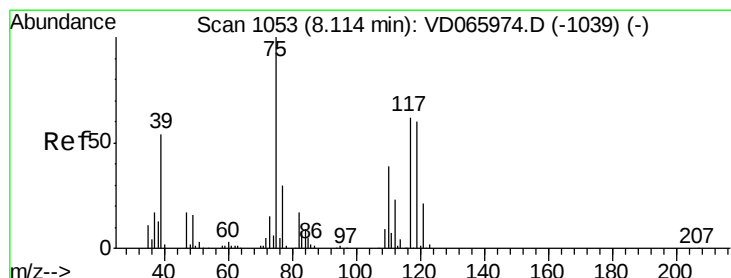
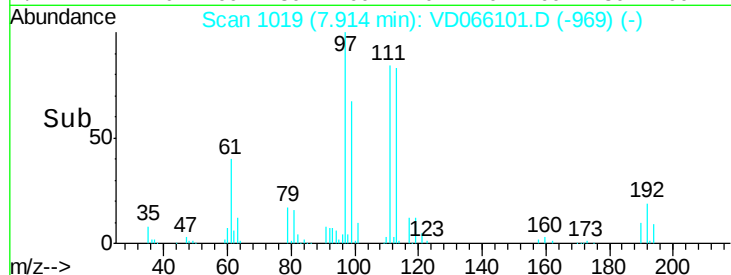
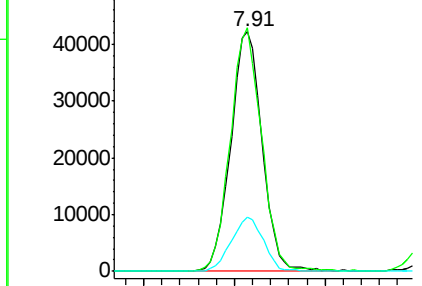
#35
 Dibromofluoromethane
 Concen: 52.073 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD066101.D
 Acq: 30 Jul 2020 10:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:113 Resp: 101380
 Ion Ratio Lower Upper
 113 100
 111 101.3 83.2 124.8
 192 23.2 18.7 28.1

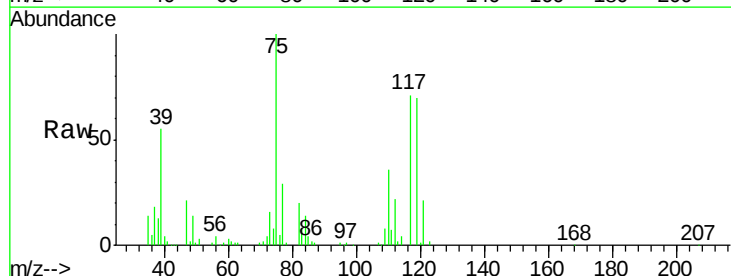


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

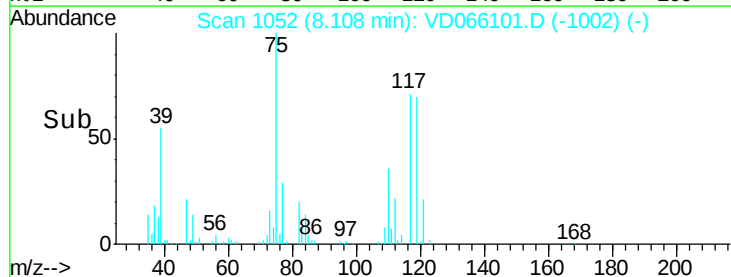
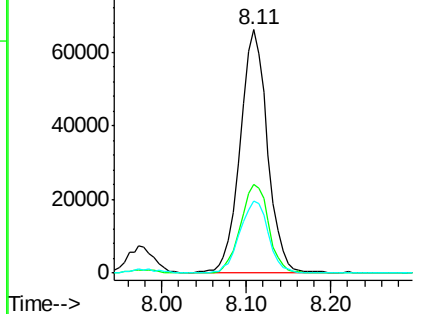


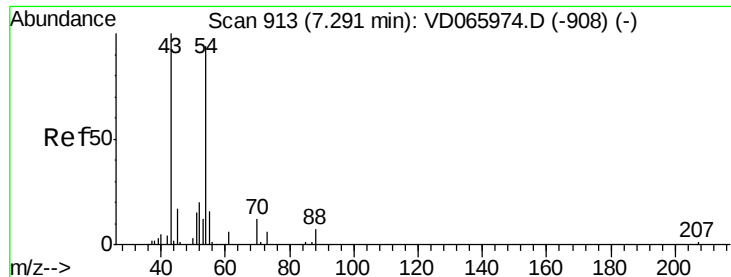
#36
 1,1-Dichloropropene
 Concen: 54.197 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD066101.D
 Acq: 30 Jul 2020 10:06

Tgt Ion: 75 Resp: 148471
 Ion Ratio Lower Upper
 75 100
 110 37.6 19.5 58.5
 77 30.9 24.7 37.1



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

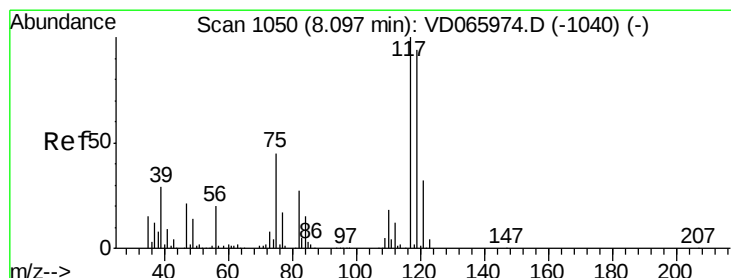
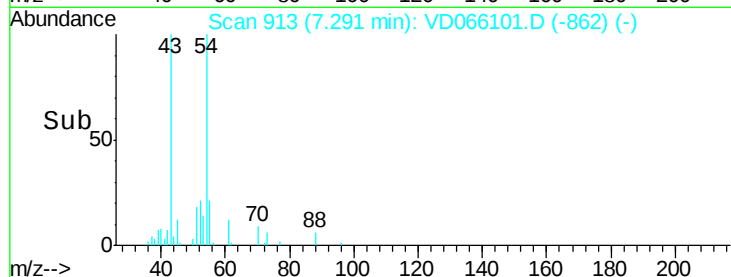
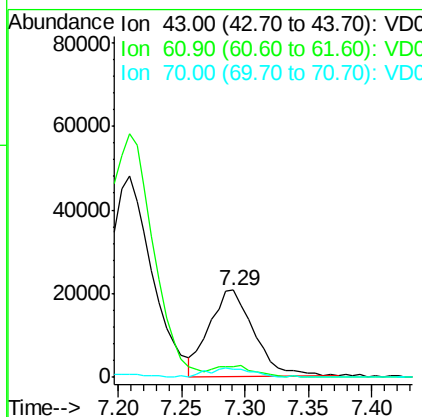
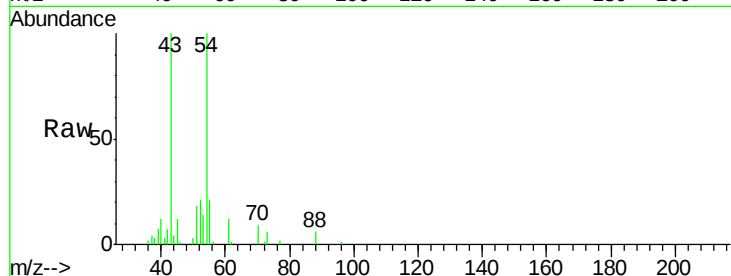




#37
Ethyl Acetate
Concen: 48.338 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD066101.D
Acq: 30 Jul 2020 10:06

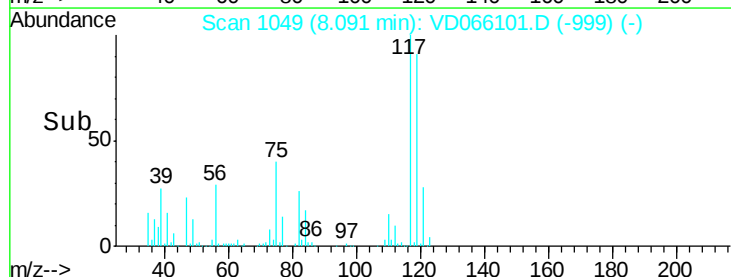
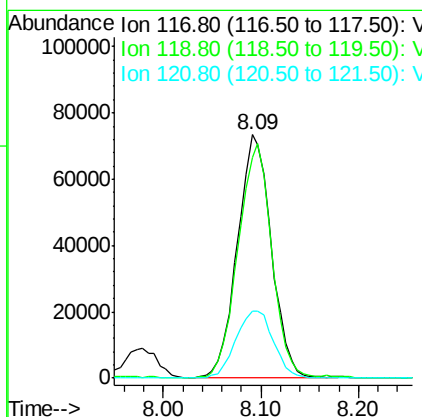
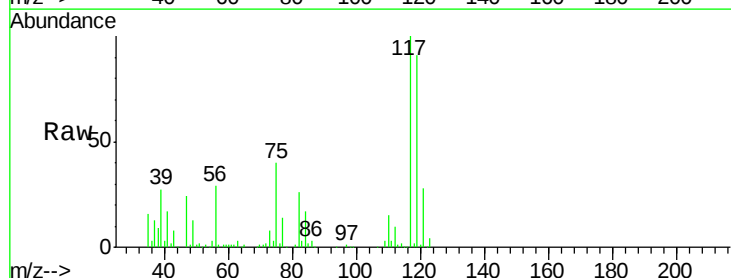
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

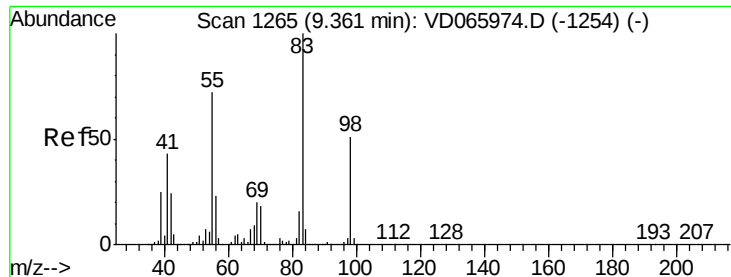
Tot Ion: 43 Resp: 50572
Ion Ratio Lower Upper
43 100
61 13.0 11.4 17.0
70 11.2 9.3 13.9



#38
Carbon Tetrachloride
Concen: 59.659 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD066101.D
Acq: 30 Jul 2020 10:06

Tgt Ion: 117 Resp: 177333
Ion Ratio Lower Upper
117 100
119 91.1 75.0 112.6
121 27.8 25.5 38.3

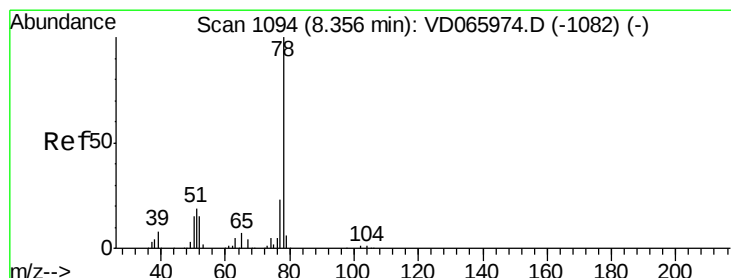
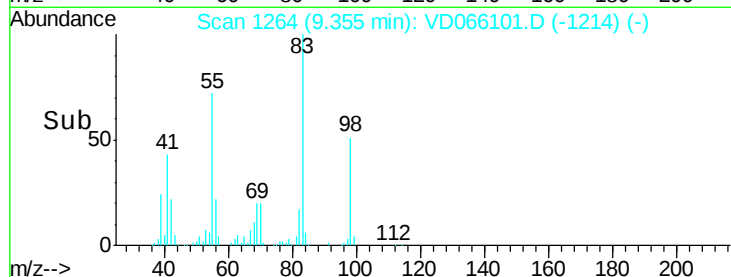
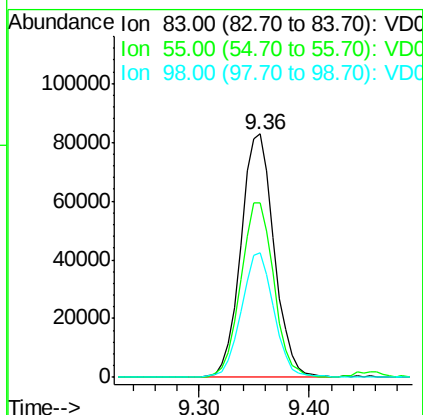
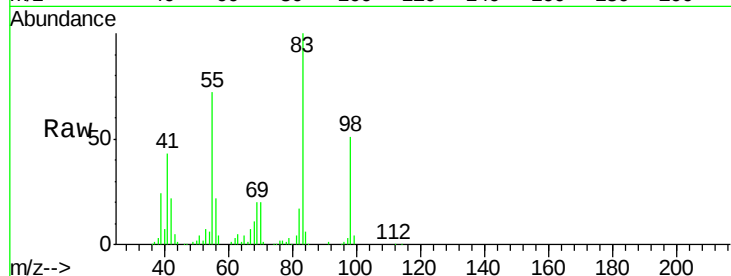




#39
Methvlcvclohexane
Concen: 52.884 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD066101.D
Acq: 30 Jul 2020 10:06

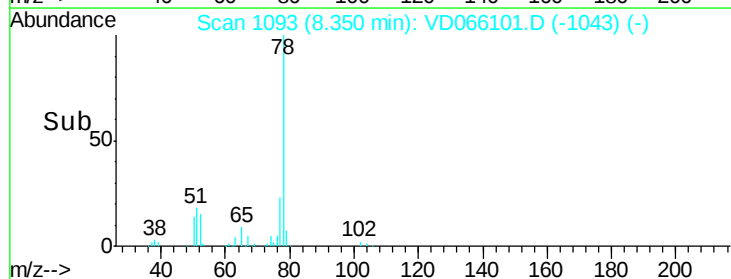
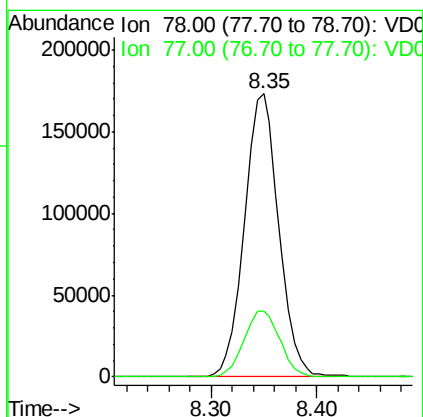
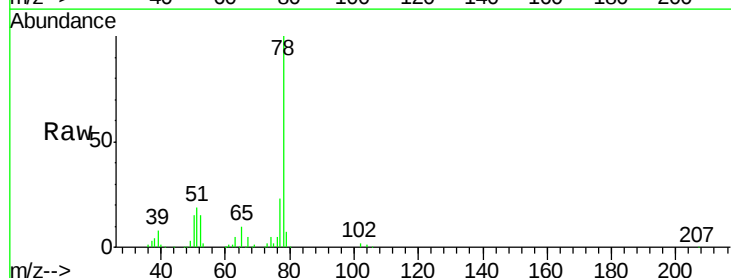
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

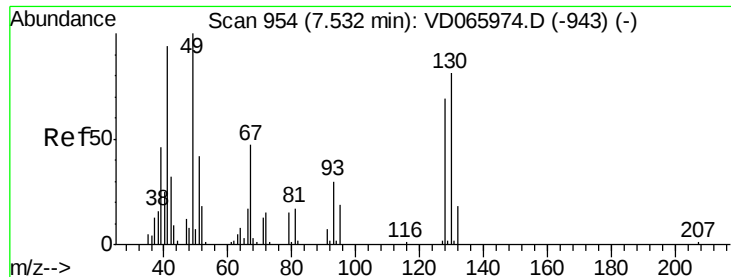
Tot Ion: 83 Resp: 175442
Ion Ratio Lower Upper
83 100
55 71.9 57.3 85.9
98 51.4 41.0 61.6



#40
Benzene
Concen: 51.023 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD066101.D
Acq: 30 Jul 2020 10:06

Tgt Ion: 78 Resp: 391046
Ion Ratio Lower Upper
78 100
77 23.4 18.6 27.8

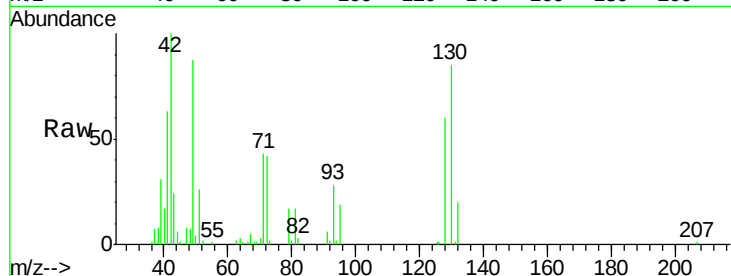




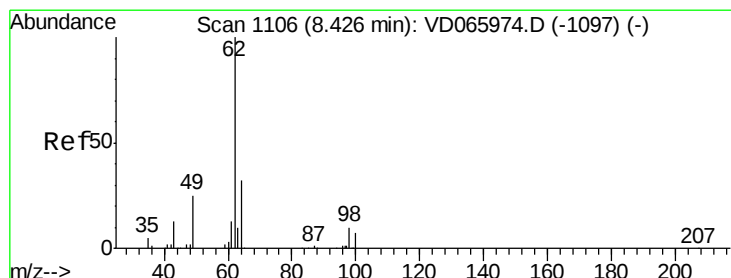
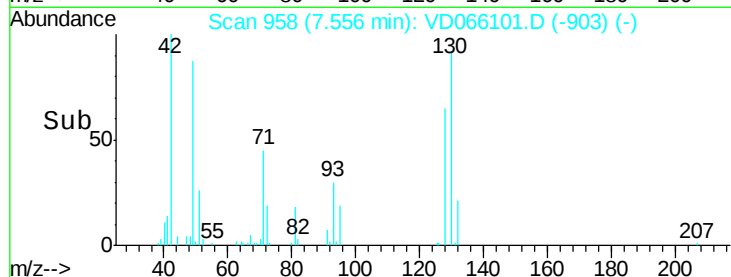
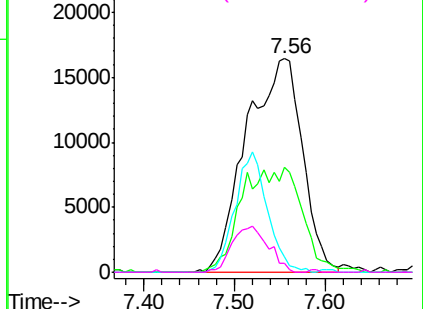
#41
Methacrylonitrile
Concen: 118.077 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.02 min
Lab File: VD066101.D
Acq: 30 Jul 2020 10:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	70767
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

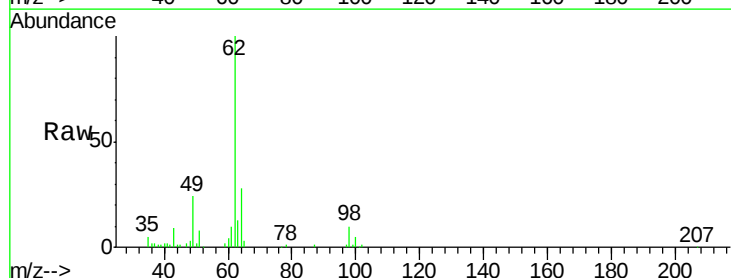


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

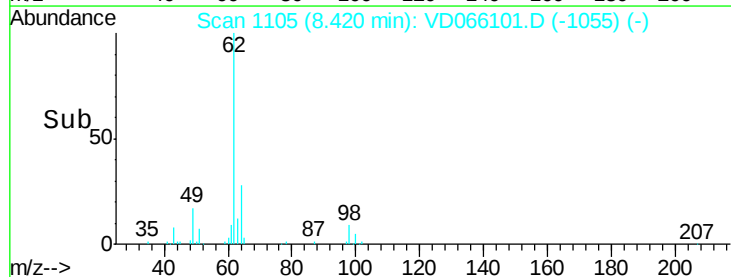
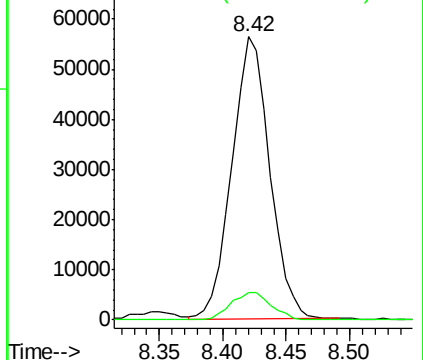


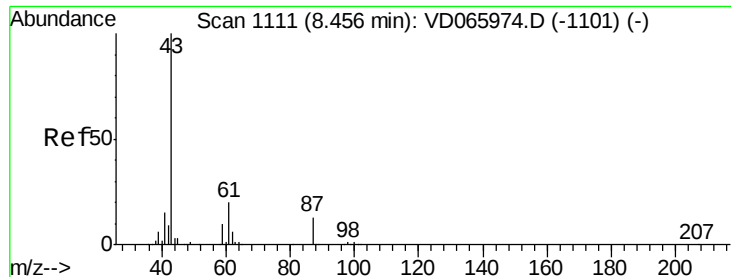
#42
1,2-Dichloroethane
Concen: 55.642 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VD066101.D
Acq: 30 Jul 2020 10:06

Tgt Ion:	62	Resp:	116856
Ion	Ratio	Lower	Upper
62	100		
98	10.3	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: 48.776 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

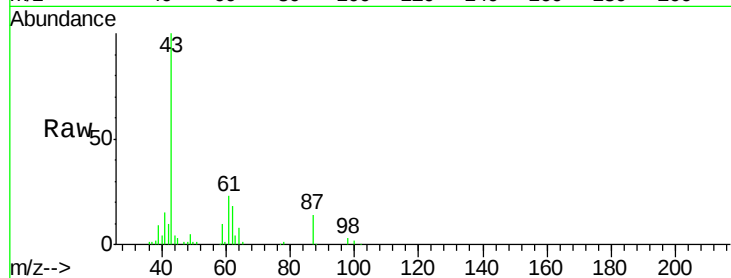
Tot Ion: 43 Resp: 99667

Ion Ratio Lower Upper

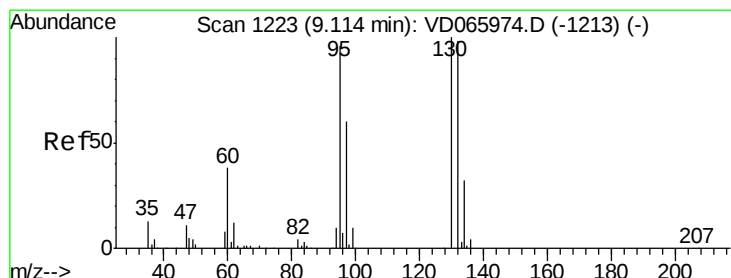
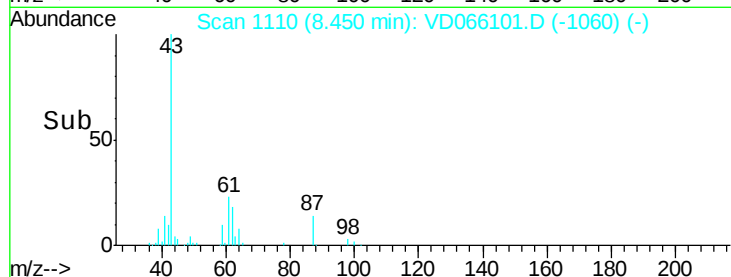
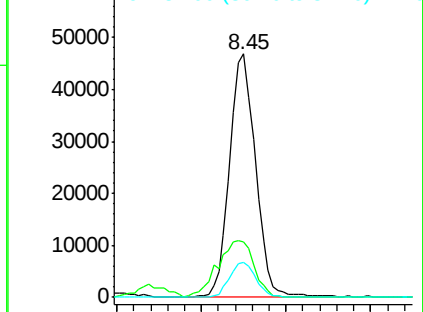
43 100

61 32.5 25.8 38.8

87 14.5 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: 52.478 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. -0.01 min

Lab File: VD066101.D

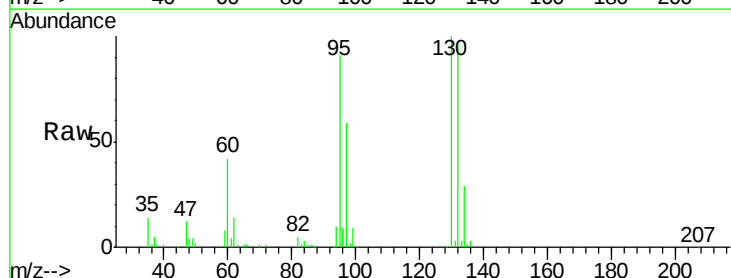
Acq: 30 Jul 2020 10:06

Tgt Ion: 130 Resp: 121709

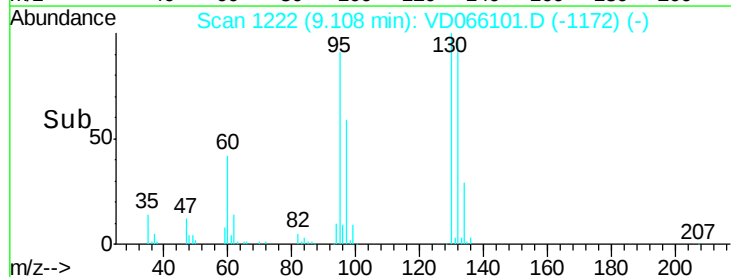
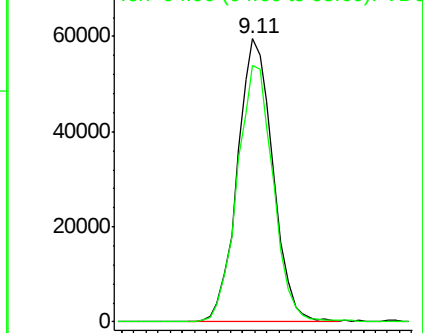
Ion Ratio Lower Upper

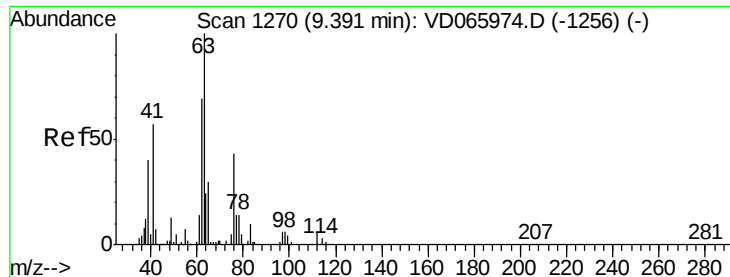
130 100

95 90.8 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: 49.984 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Instrument :

MSVOA_D

ClientSampleId :

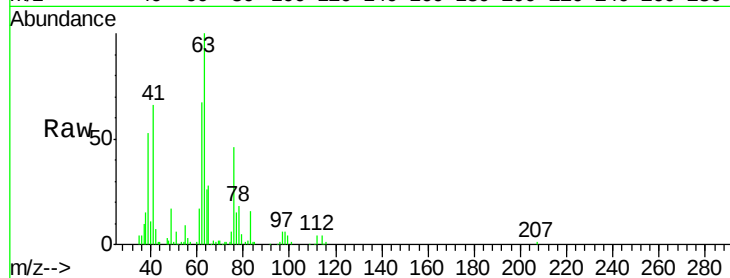
VSTDCCC050

Tot Ion: 63 Resp: 92779

Ion Ratio Lower Upper

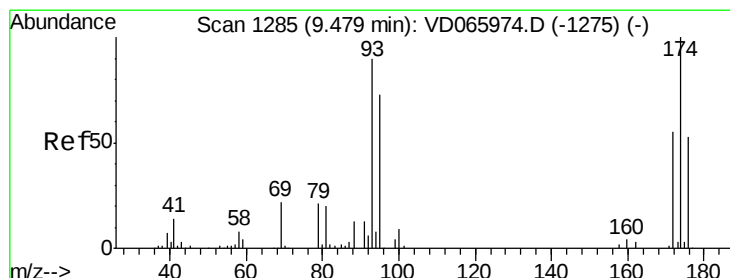
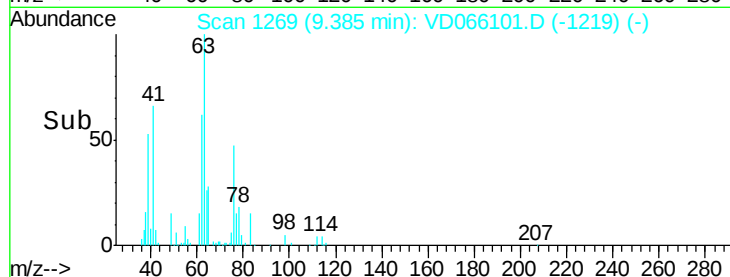
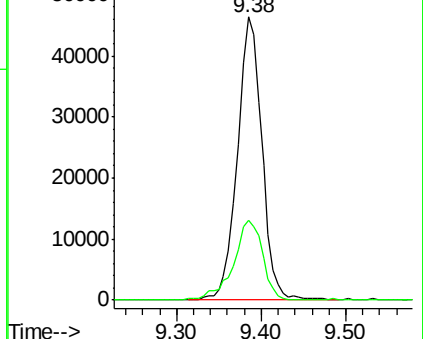
63 100

65 28.1 24.0 36.0



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 51.668 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

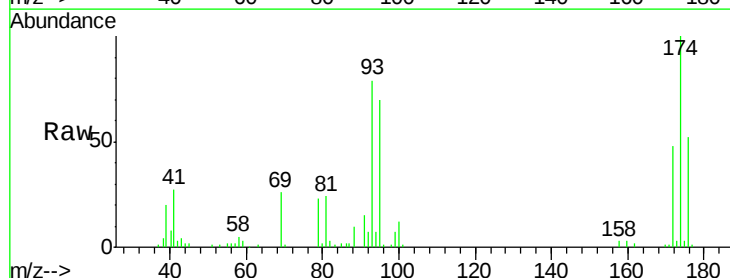
Tgt Ion: 93 Resp: 51629

Ion Ratio Lower Upper

93 100

95 83.4 66.2 99.4

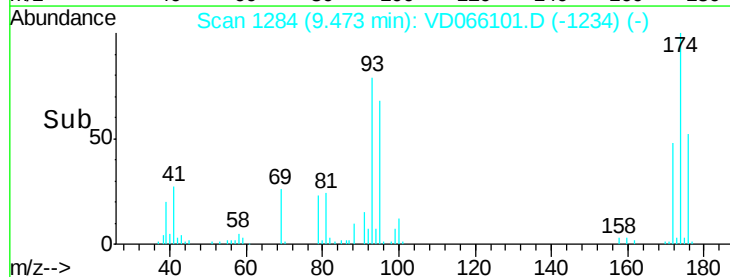
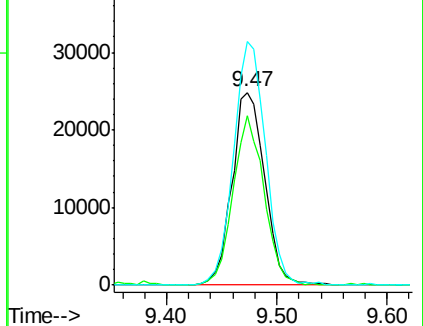
174 123.4 91.5 137.3

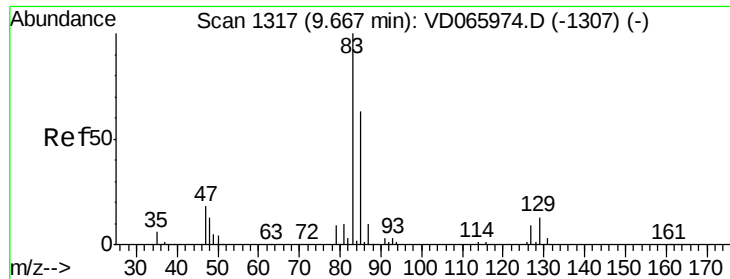


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 53.752 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

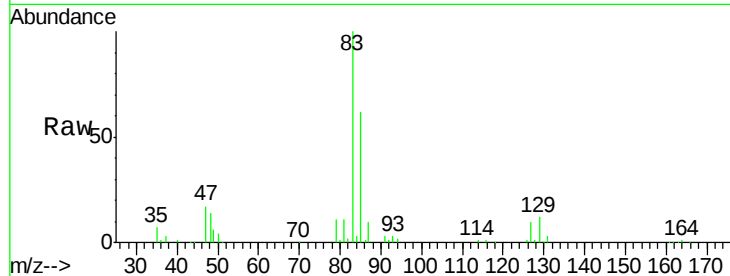
Tot Ion: 83 Resp: 142017

Ion Ratio Lower Upper

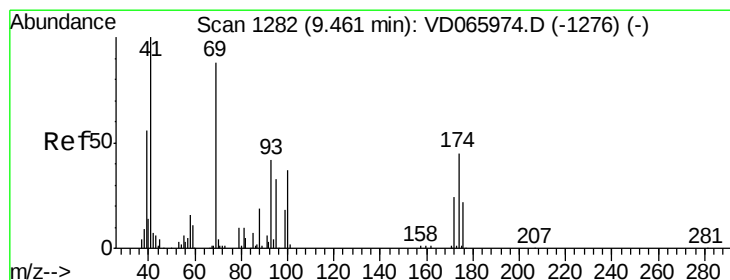
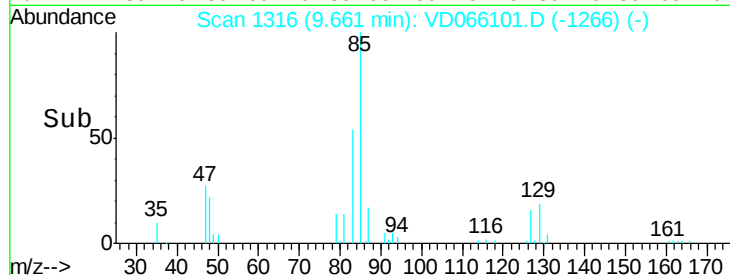
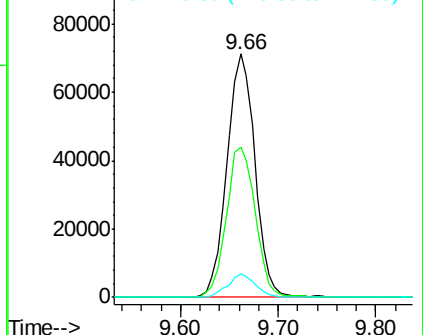
83 100

85 61.6 50.6 75.8

127 9.8 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: 44.707 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

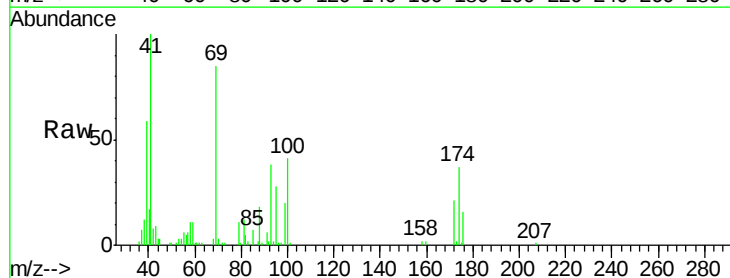
Tgt Ion: 41 Resp: 46081

Ion Ratio Lower Upper

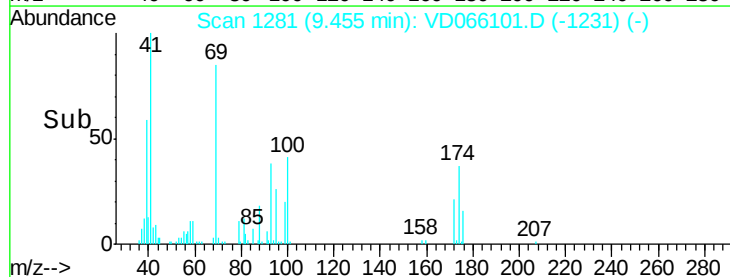
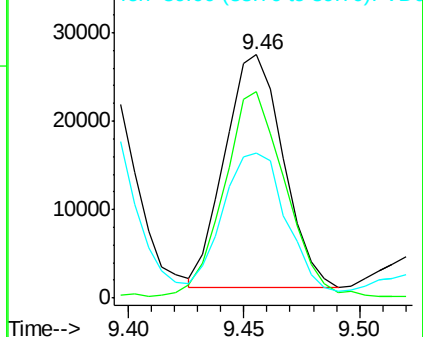
41 100

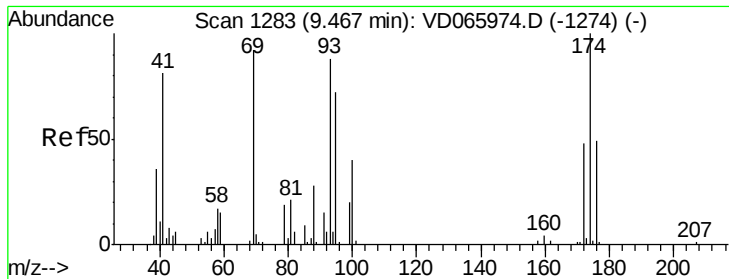
69 95.3 65.1 97.7

39 63.4 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: 1027.577 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

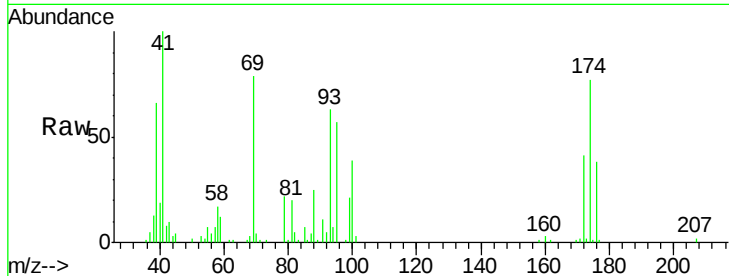
Tot Ion: 88 Resp: 11896

Ion Ratio Lower Upper

88 100

43 37.7 29.0 43.6

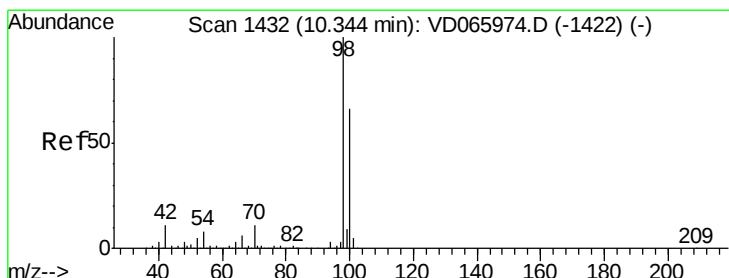
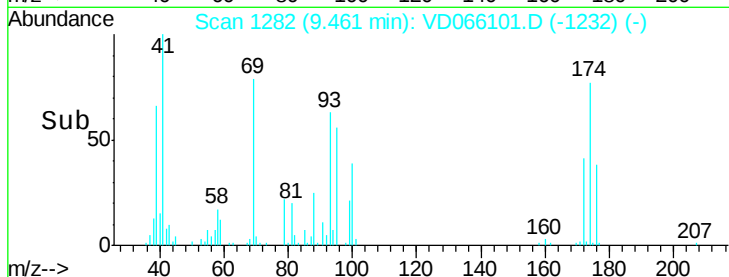
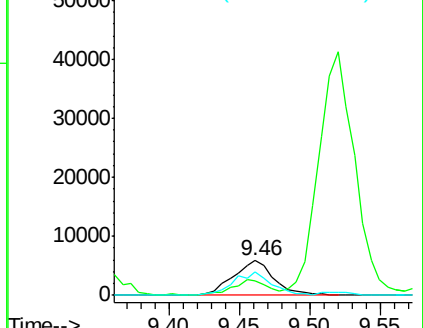
58 62.2 57.0 85.4



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 54.027 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.01 min

Lab File: VD066101.D

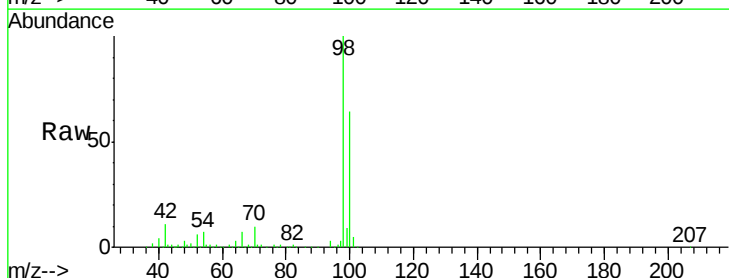
Acq: 30 Jul 2020 10:06

Tgt Ion: 98 Resp: 391839

Ion Ratio Lower Upper

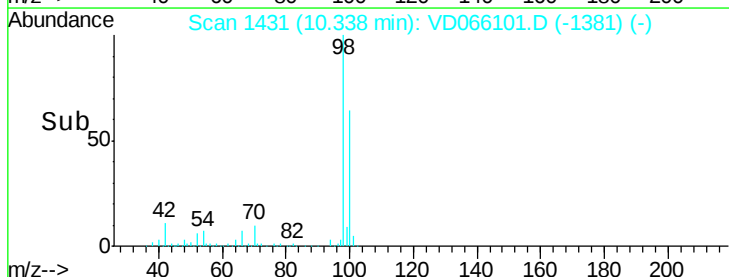
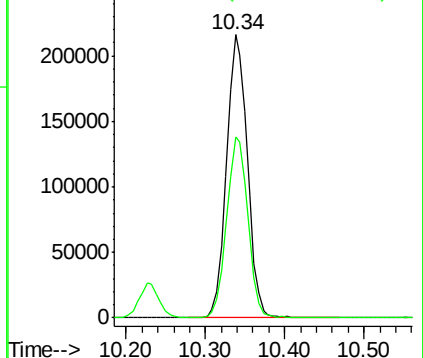
98 100

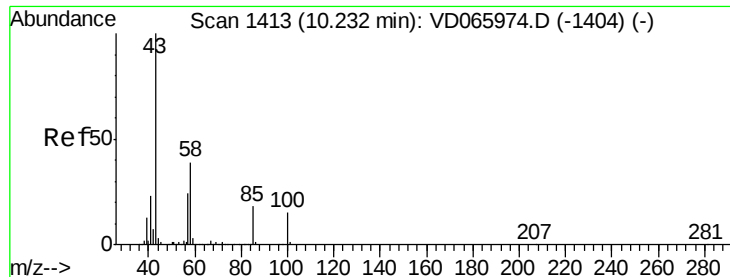
100 65.3 52.7 79.1



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: 247.160 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.01 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Instrument :

MSVOA_D

ClientSampleId :

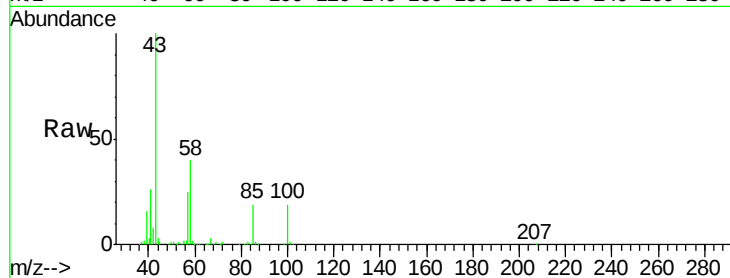
VSTDCCC050

Tot Ion: 43 Resp: 254469

Ion Ratio Lower Upper

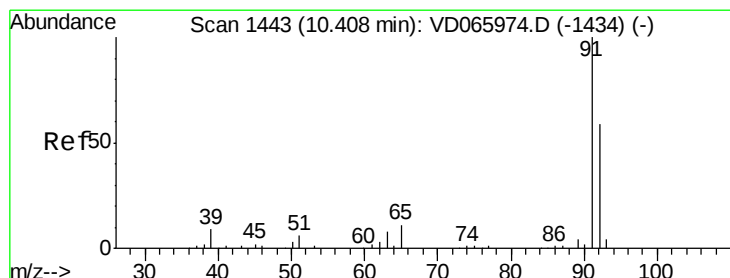
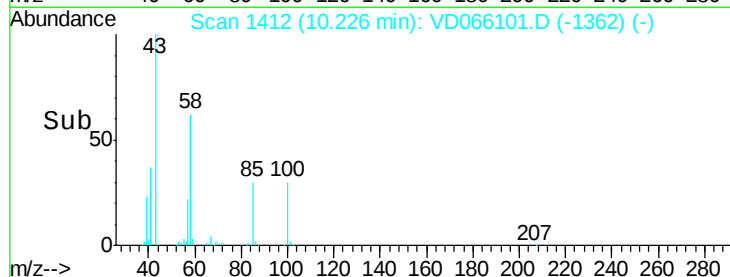
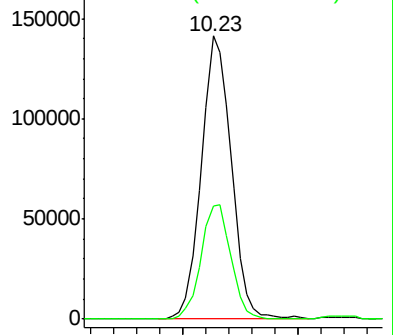
43 100

58 40.3 31.3 46.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 54.705 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD066101.D

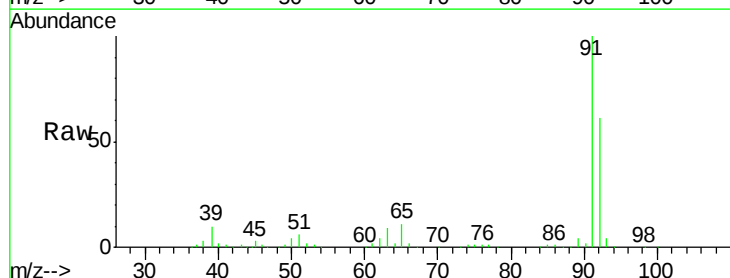
Acq: 30 Jul 2020 10:06

Tgt Ion: 92 Resp: 273420

Ion Ratio Lower Upper

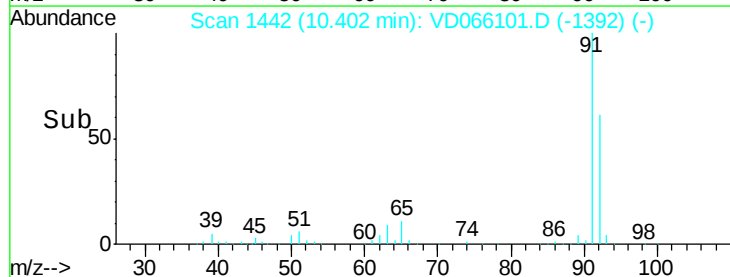
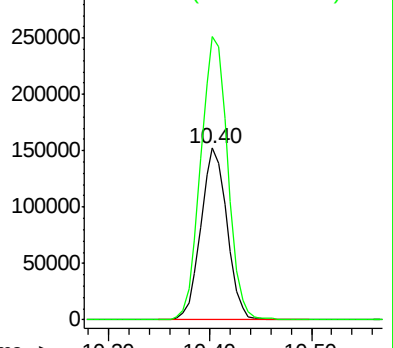
92 100

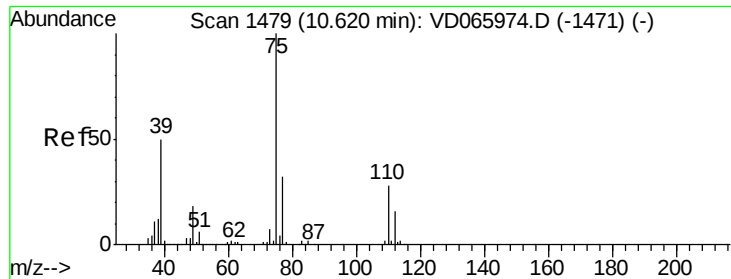
91 170.2 134.5 201.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

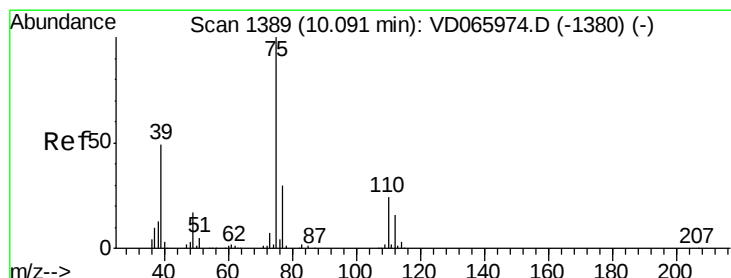
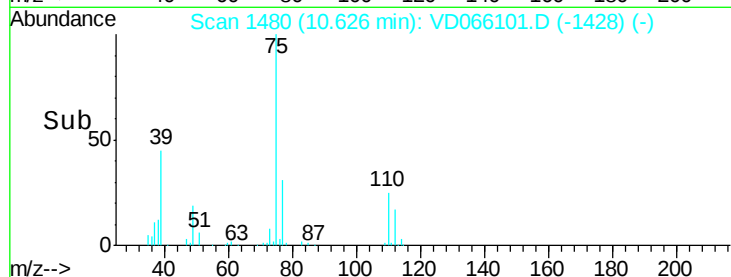
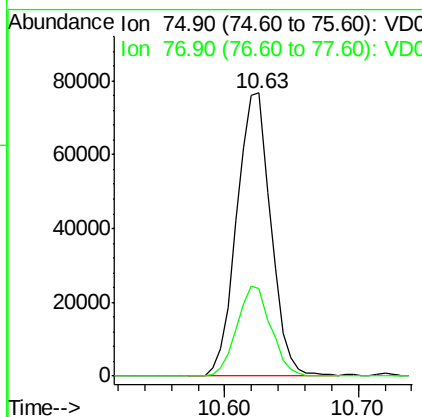
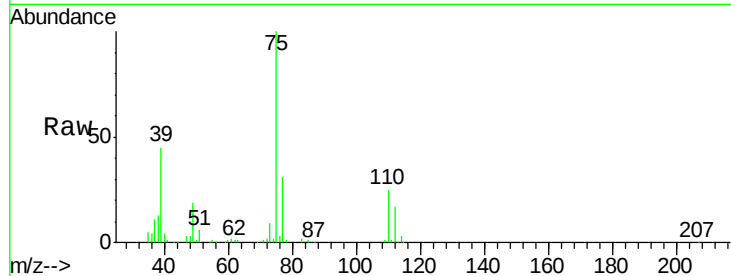




#53
 t-1,3-Dichloropropene
 Concen: 55.267 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.01 min
 Lab File: VD066101.D
 Acq: 30 Jul 2020 10:06

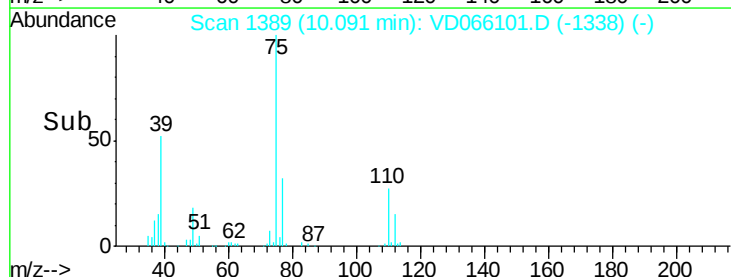
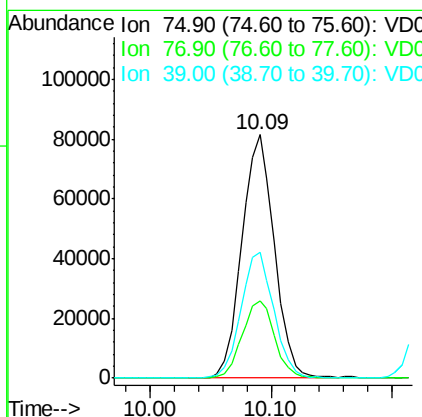
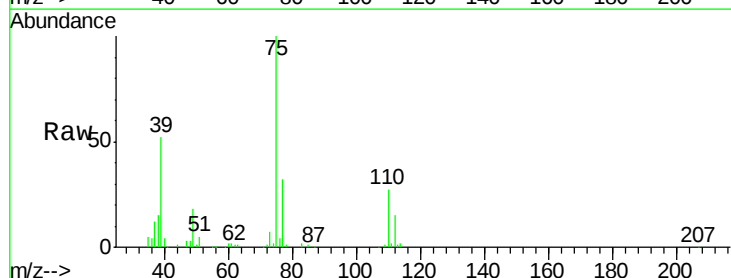
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

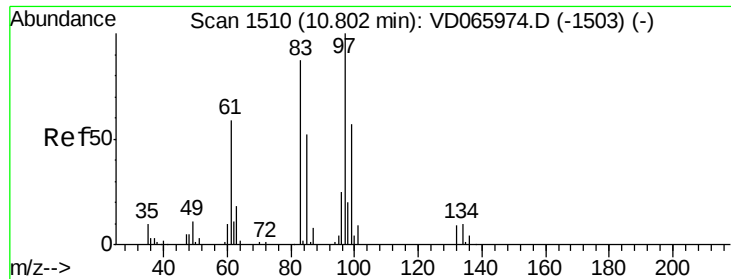
Tot Ion: 75 Resp: 136041
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.8 38.6



#54
 cis-1,3-Dichloropropene
 Concen: 51.085 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VD066101.D
 Acq: 30 Jul 2020 10:06

Tgt Ion: 75 Resp: 152427
 Ion Ratio Lower Upper
 75 100
 77 31.7 23.8 35.8
 39 51.9 38.8 58.2

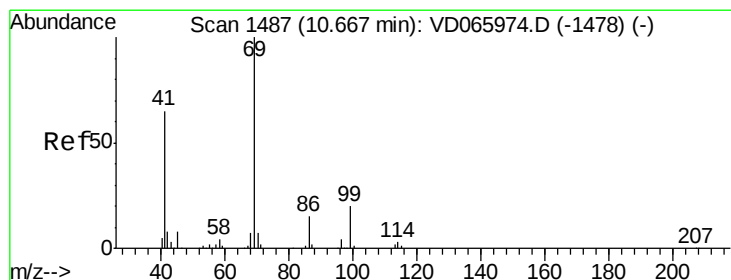
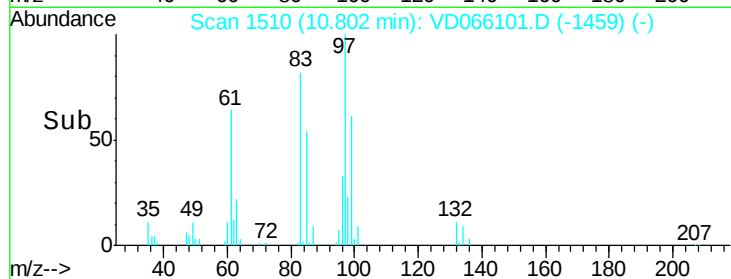
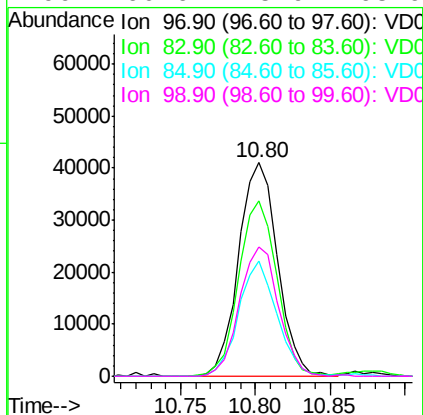
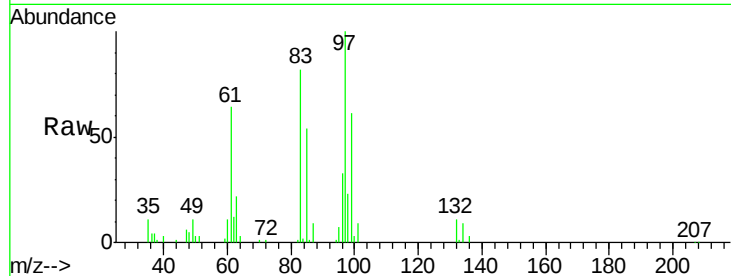




#55
 1,1,2-Trichloroethane
 Concen: 52.586 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD066101.D
 Acq: 30 Jul 2020 10:06

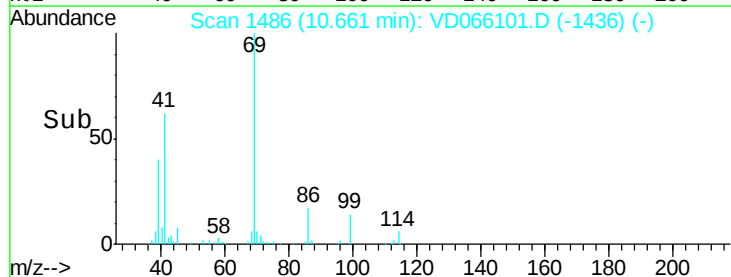
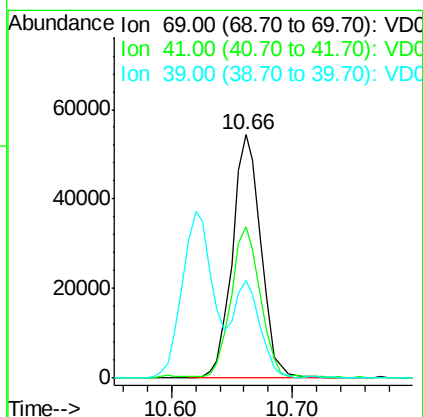
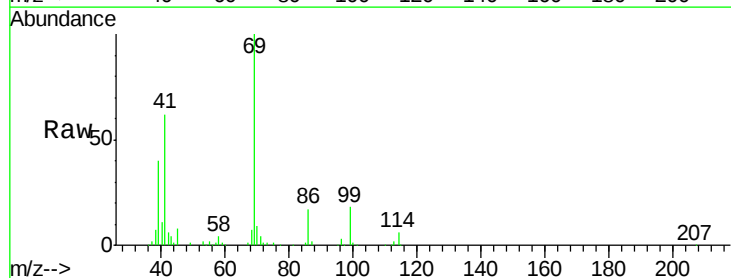
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

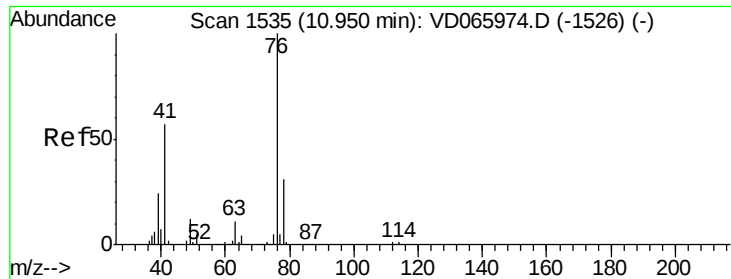
Tot Ion:	97	Resp:	74524
Ion	Ratio	Lower	Upper
97	100		
83	82.1	69.7	104.5
85	53.8	41.6	62.4
99	60.6	45.9	68.9



#56
 Ethyl methacrylate
 Concen: 54.531 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD066101.D
 Acq: 30 Jul 2020 10:06

Tgt Ion:	69	Resp:	89849
Ion	Ratio	Lower	Upper
69	100		
41	61.9	52.3	78.5
39	36.6	25.2	37.8

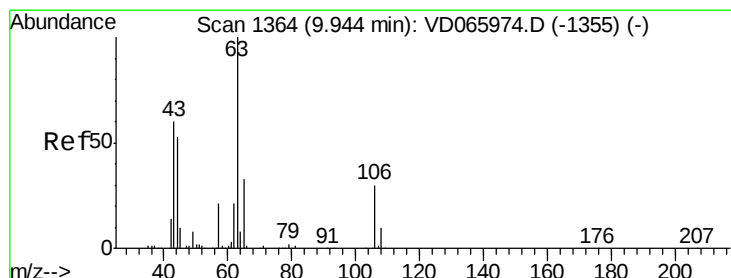
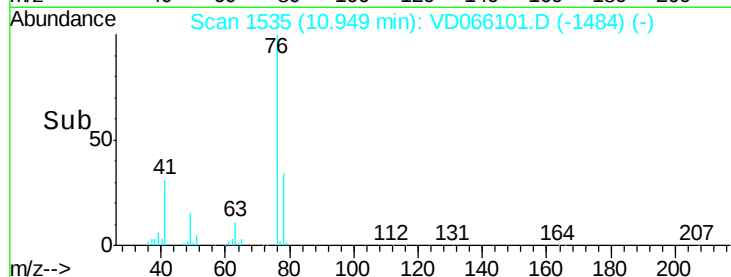
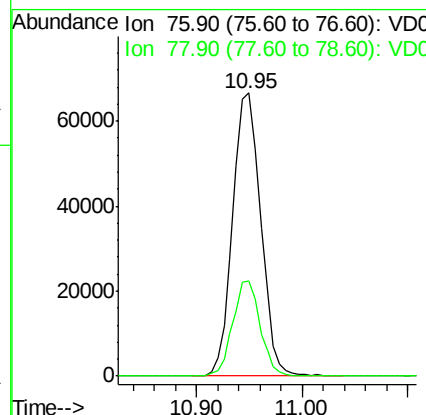
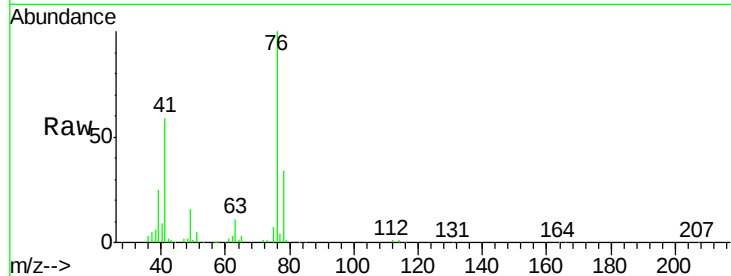




#57
 1,3-Dichloropropane
 Concen: 52.114 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD066101.D
 Acq: 30 Jul 2020 10:06

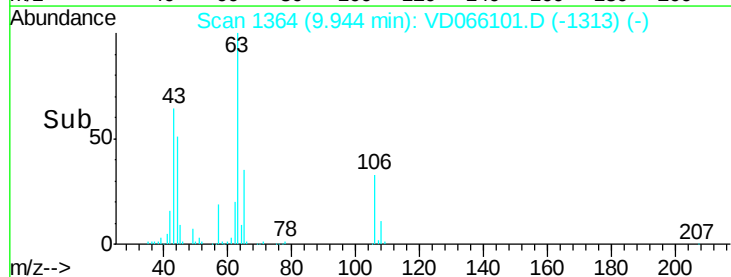
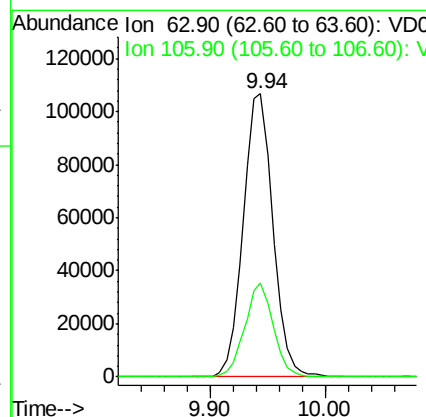
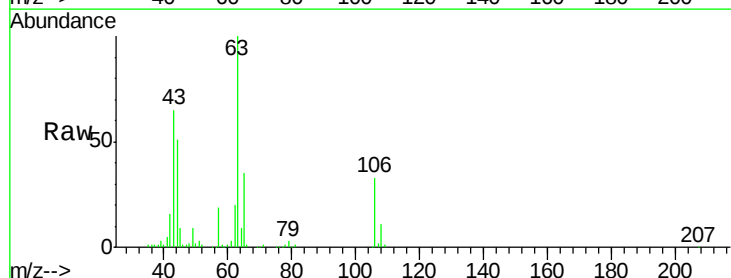
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

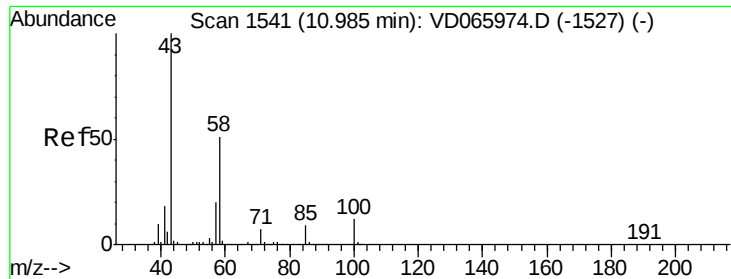
Tot Ion: 76 Resp: 122263
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 242.105 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD066101.D
 Acq: 30 Jul 2020 10:06

Tgt Ion: 63 Resp: 190562
 Ion Ratio Lower Upper
 63 100
 106 31.9 24.4 36.6

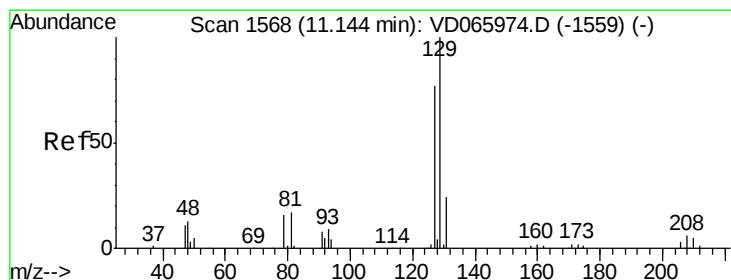
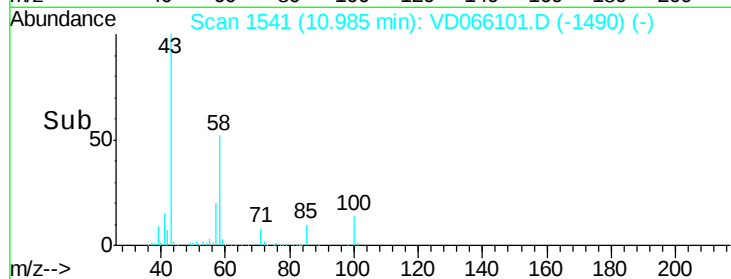
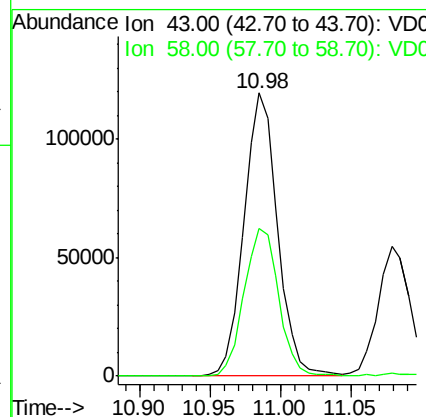
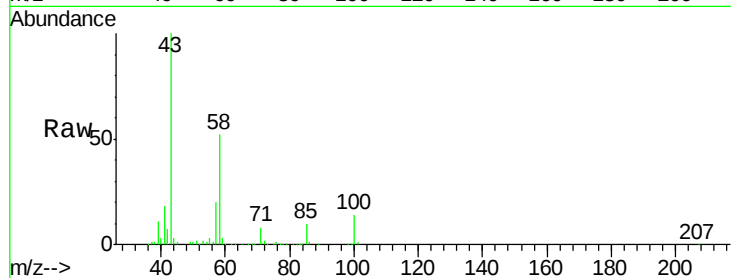




#59
2-Hexanone
Concen: 279.142 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD066101.D
Acq: 30 Jul 2020 10:06

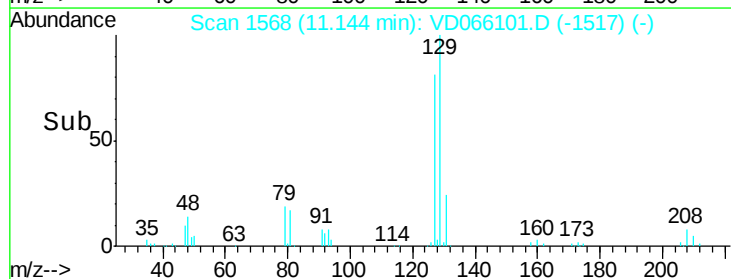
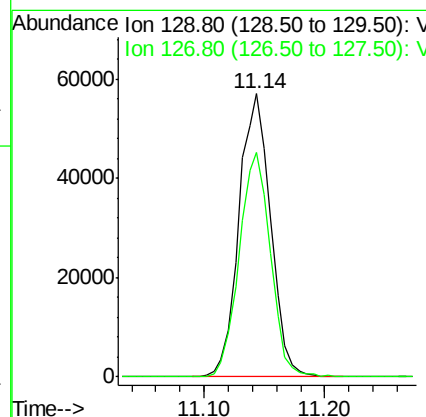
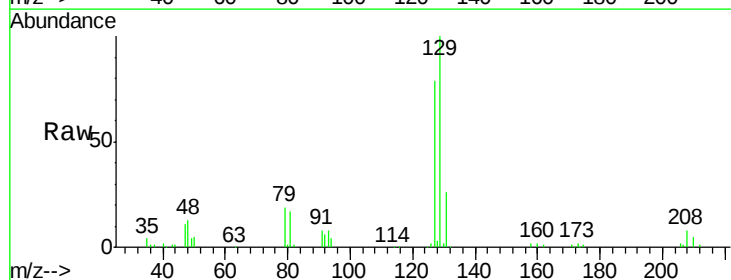
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

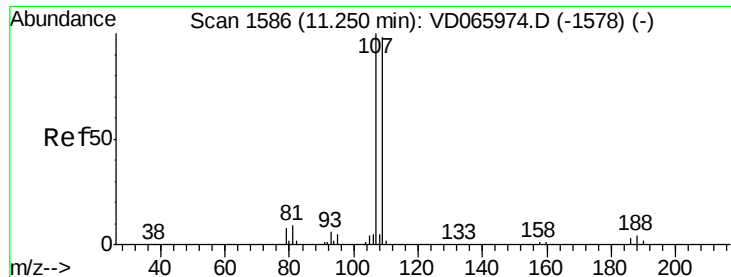
Tot Ion: 43 Resp: 199162
Ion Ratio Lower Upper
43 100
58 53.9 26.2 78.6



#60
Dibromochloromethane
Concen: 54.456 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD066101.D
Acq: 30 Jul 2020 10:06

Tgt Ion: 129 Resp: 104055
Ion Ratio Lower Upper
129 100
127 78.5 38.6 115.7

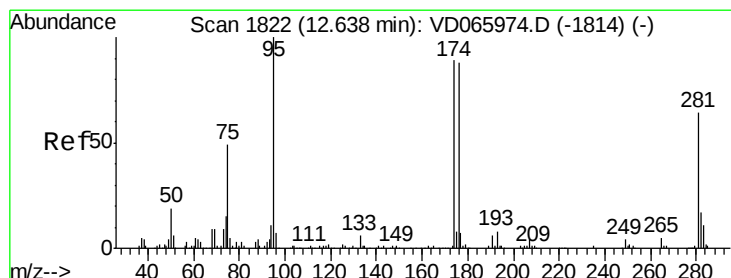
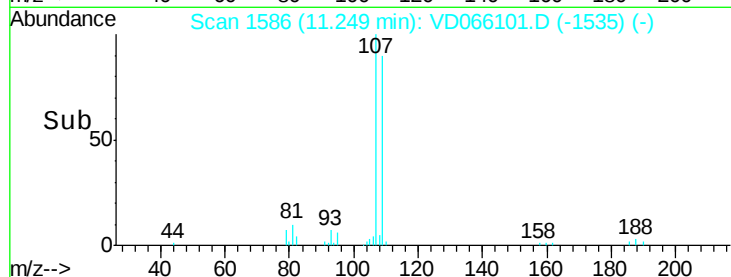
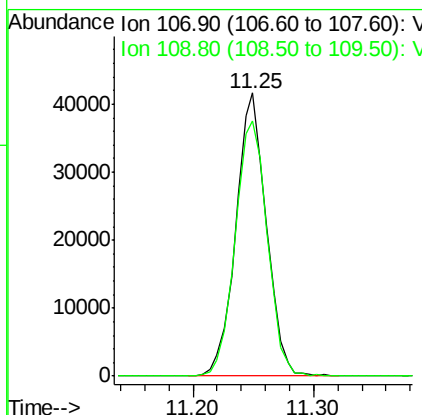
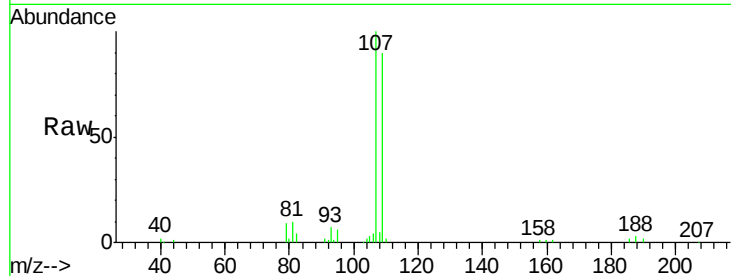




#61
 1,2-Dibromoethane
 Concen: 53.551 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD066101.D
 Acq: 30 Jul 2020 10:06

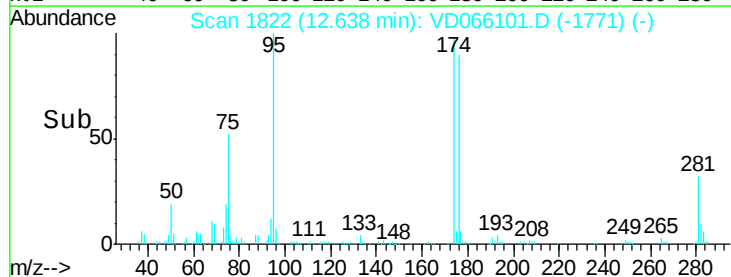
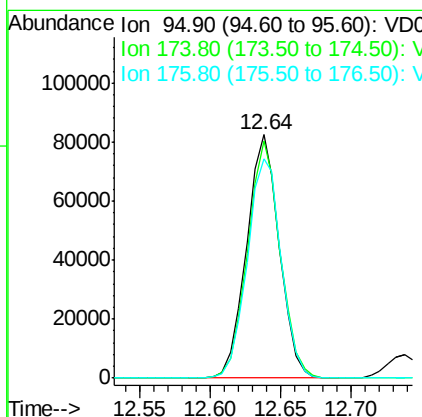
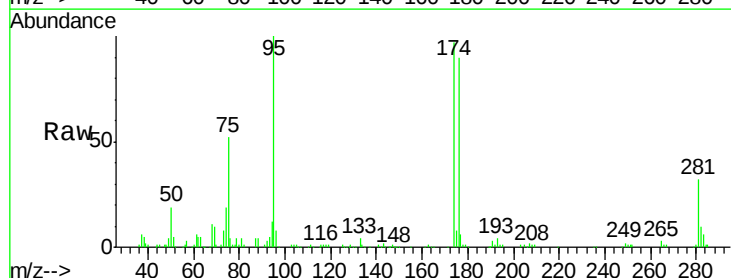
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

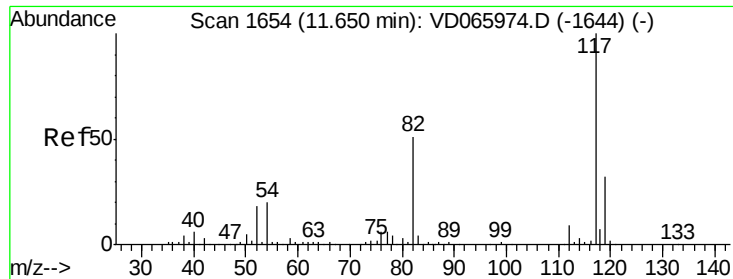
Tot Ion:107 Resp: 73173
 Ion Ratio Lower Upper
 107 100
 109 94.9 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 53.218 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD066101.D
 Acq: 30 Jul 2020 10:06

Tgt Ion: 95 Resp: 133832
 Ion Ratio Lower Upper
 95 100
 174 97.0 0.0 178.8
 176 93.4 0.0 172.6

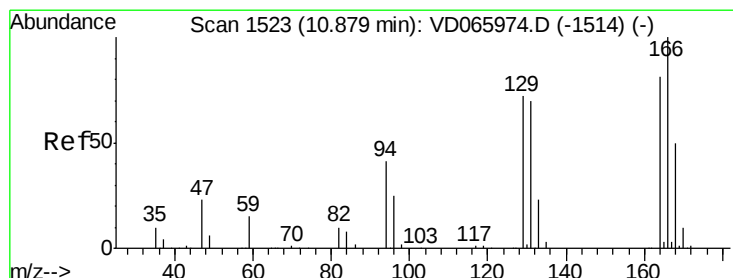
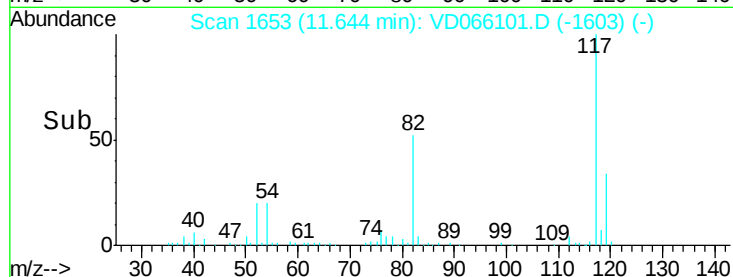
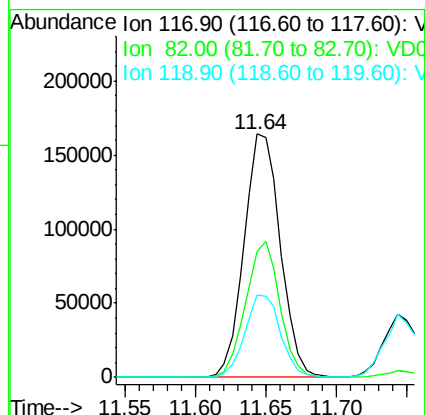
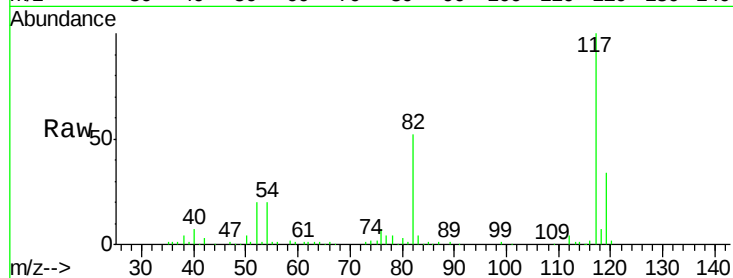




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.01 min
Lab File: VD066101.D
Acq: 30 Jul 2020 10:06

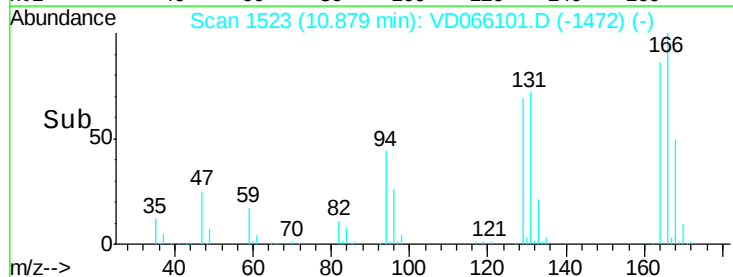
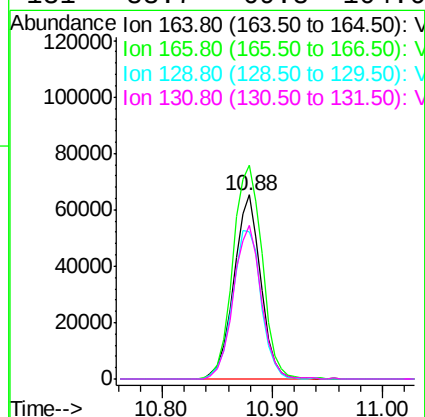
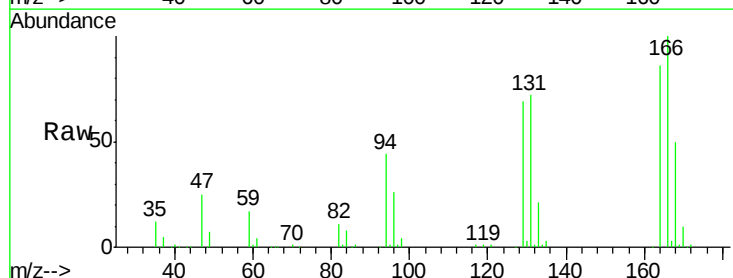
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

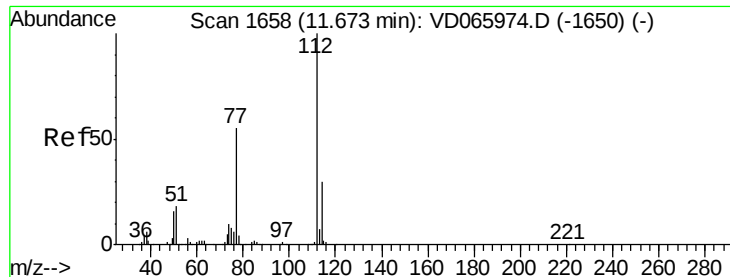
Tot Ion:117 Resp: 296030
Ion Ratio Lower Upper
117 100
82 51.6 41.1 61.7
119 33.9 25.9 38.9



#64
Tetrachloroethene
Concen: 55.465 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD066101.D
Acq: 30 Jul 2020 10:06

Tgt Ion:164 Resp: 111444
Ion Ratio Lower Upper
164 100
166 116.1 99.1 148.7
129 80.3 71.5 107.3
131 83.7 69.8 104.6

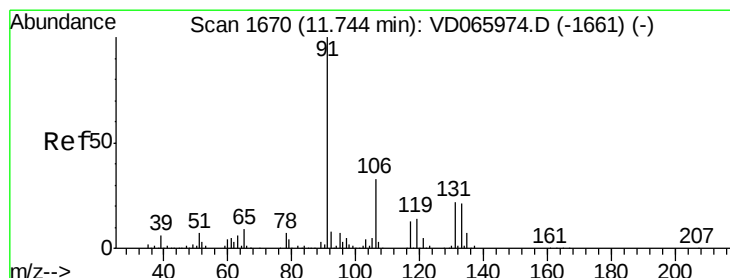
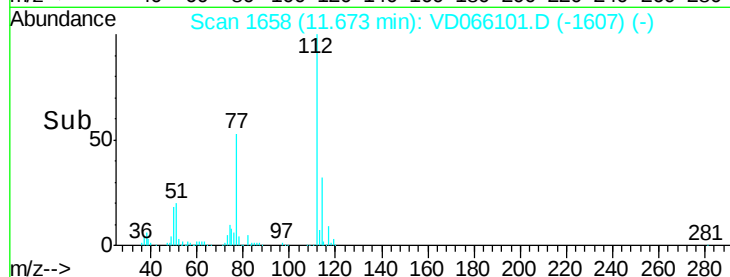
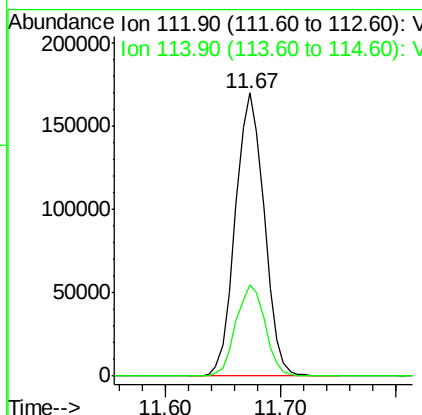
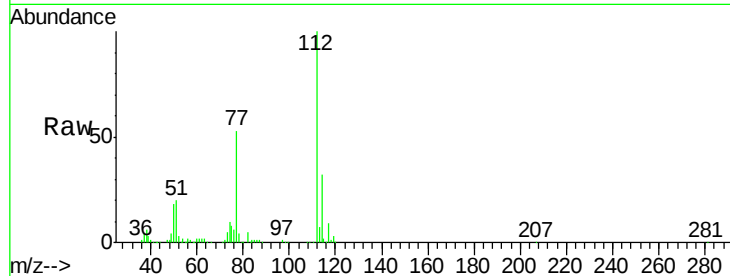




#65
Chlorobenzene
Concen: 54.270 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD066101.D
Acq: 30 Jul 2020 10:06

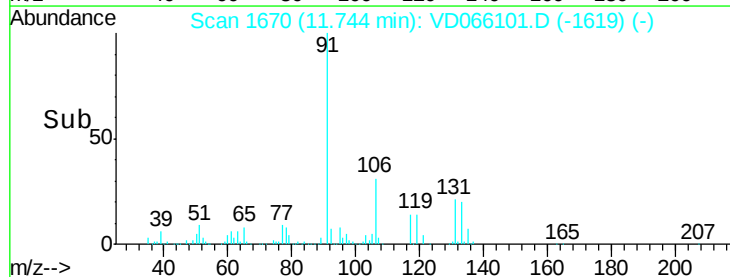
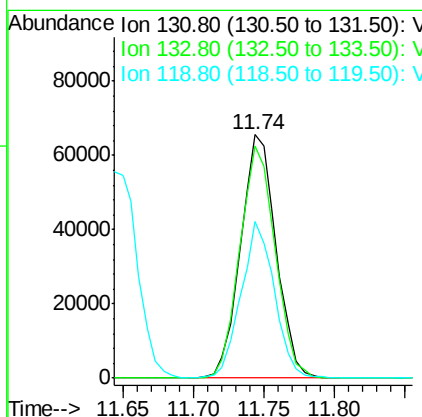
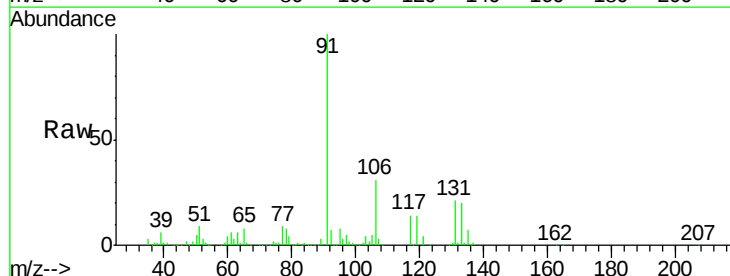
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

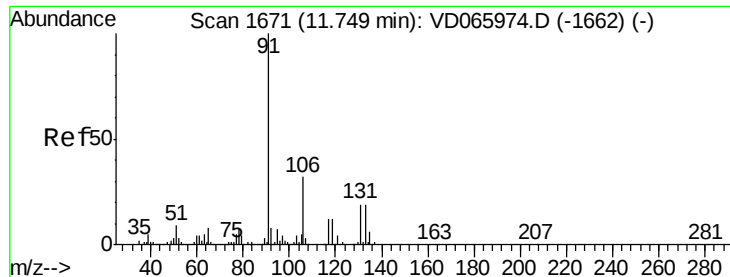
Tot Ion:112 Resp: 294151
Ion Ratio Lower Upper
112 100
114 32.2 24.4 36.6



#66
1,1,1,2-Tetrachloroethane
Concen: 57.579 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066101.D
Acq: 30 Jul 2020 10:06

Tgt Ion:131 Resp: 115235
Ion Ratio Lower Upper
131 100
133 95.2 47.3 142.0
119 60.6 31.7 95.1





#67

Ethyl Benzene

Concen: 56.456 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Instrument :

MSVOA_D

ClientSampleId :

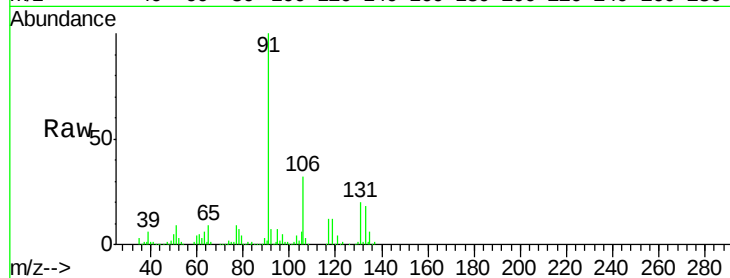
VSTDCCC050

Tot Ion: 91 Resp: 526602

Ion Ratio Lower Upper

91 100

106 32.3 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC

500000

400000

300000

200000

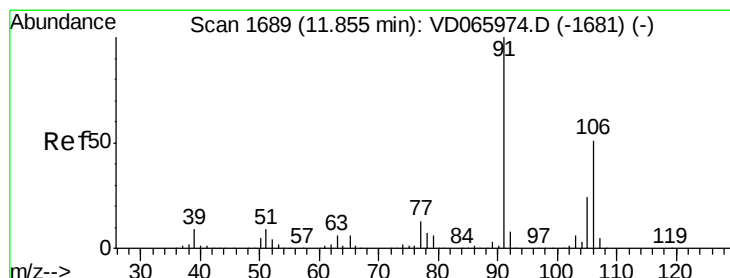
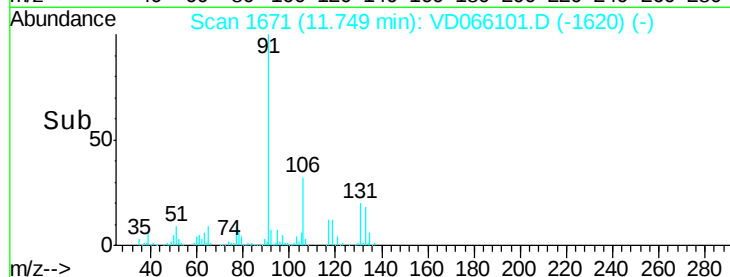
100000

0

11.75

11.80

Time-->



#68

m/p-Xylenes

Concen: 112.068 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD066101.D

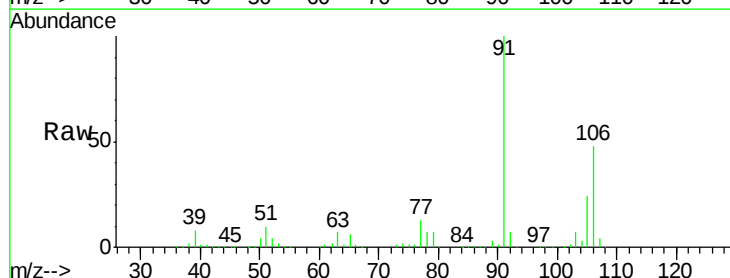
Acq: 30 Jul 2020 10:06

Tgt Ion: 106 Resp: 401783

Ion Ratio Lower Upper

106 100

91 202.5 157.0 235.6



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

500000

400000

300000

200000

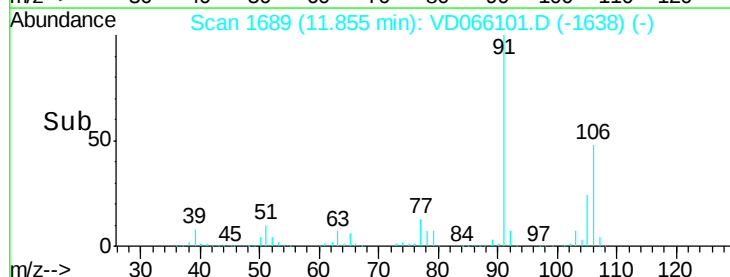
100000

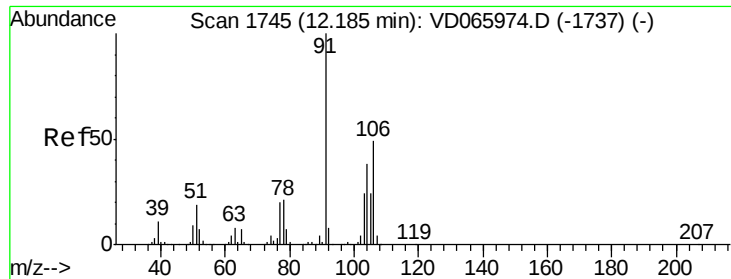
0

11.86

11.90

Time-->

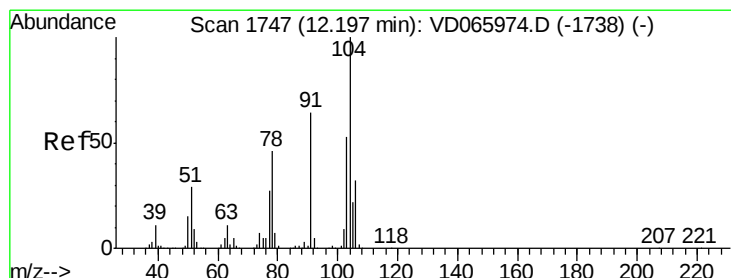
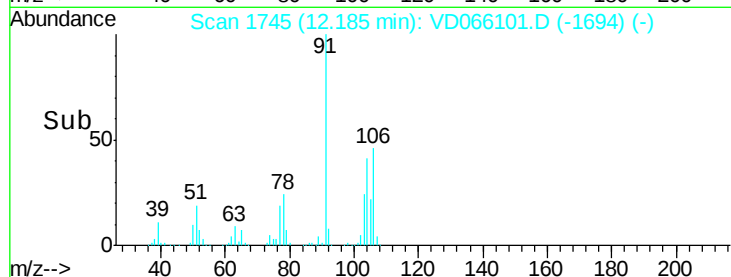
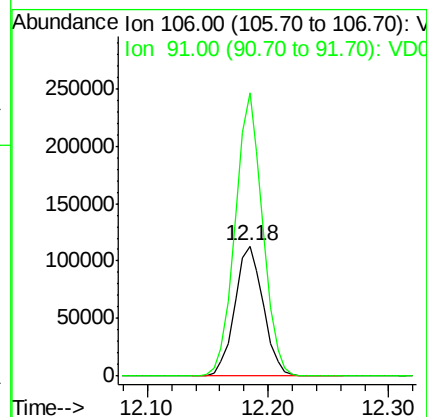
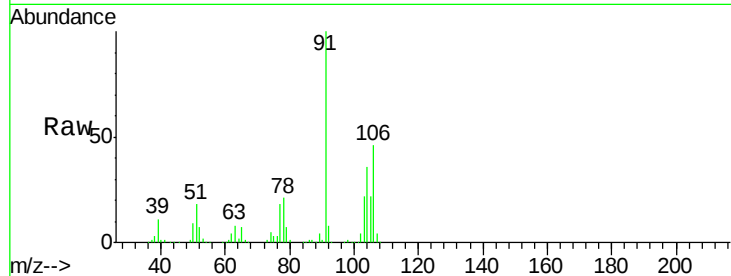




#69
o-Xylene
Concen: 56.914 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD066101.D
Acq: 30 Jul 2020 10:06

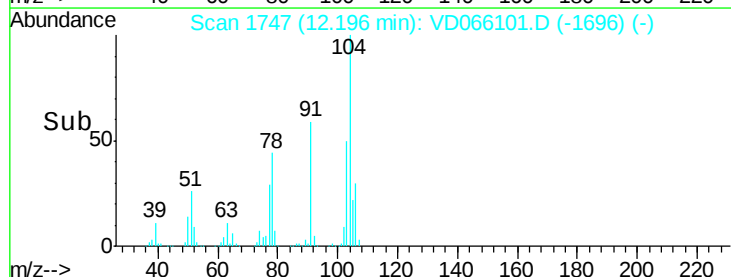
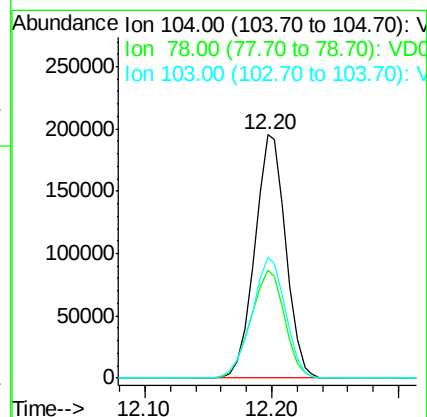
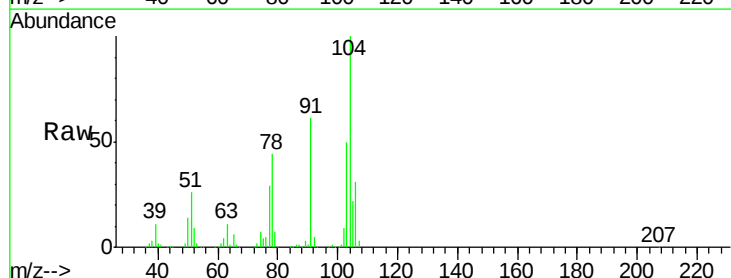
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

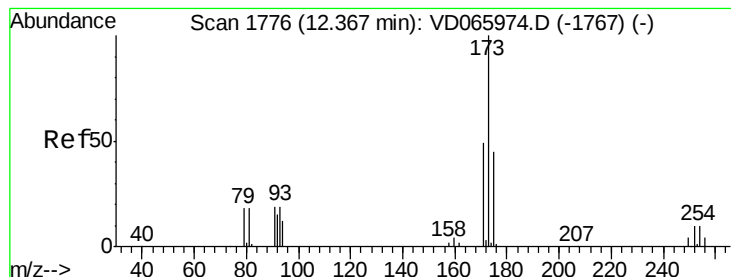
Tot Ion:106 Resp: 185586
Ion Ratio Lower Upper
106 100
91 210.2 103.1 309.3



#70
Styrene
Concen: 59.241 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD066101.D
Acq: 30 Jul 2020 10:06

Tgt Ion:104 Resp: 331904
Ion Ratio Lower Upper
104 100
78 48.2 38.3 57.5
103 53.6 43.8 65.8





#71

Bromoform

Concen: 58.376 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

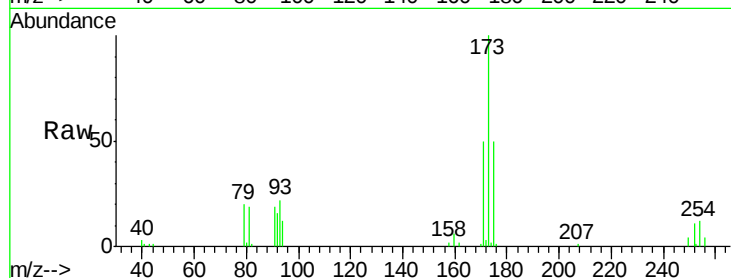
Tot Ion:173 Resp: 68435

Ion Ratio Lower Upper

173 100

175 50.9 24.1 72.3

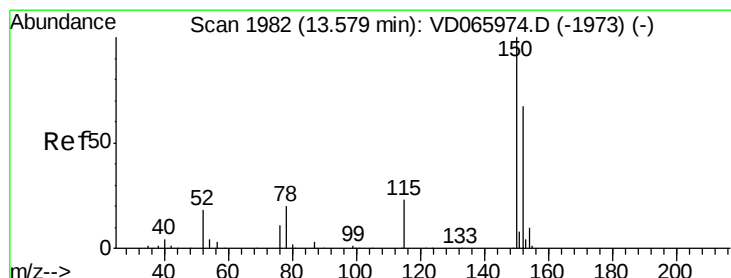
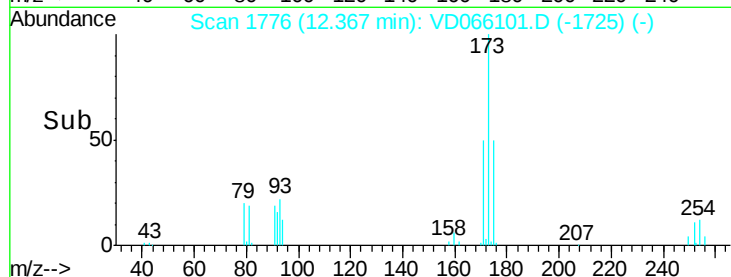
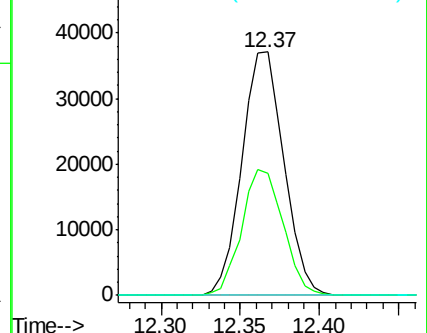
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

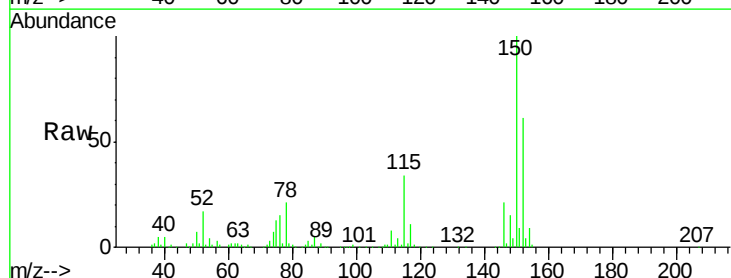
Tgt Ion:152 Resp: 168843

Ion Ratio Lower Upper

152 100

115 56.2 27.9 83.7

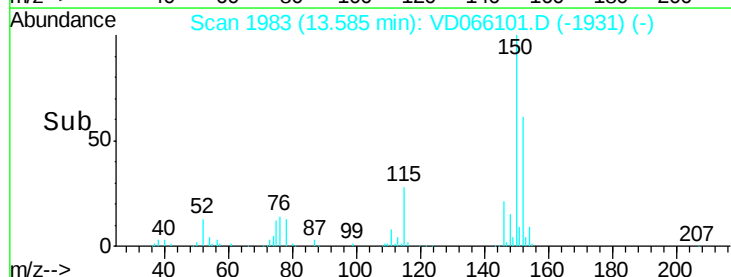
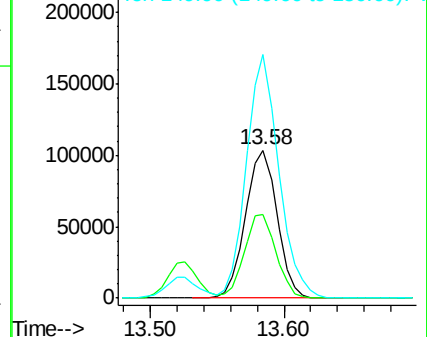
150 169.2 0.0 348.2

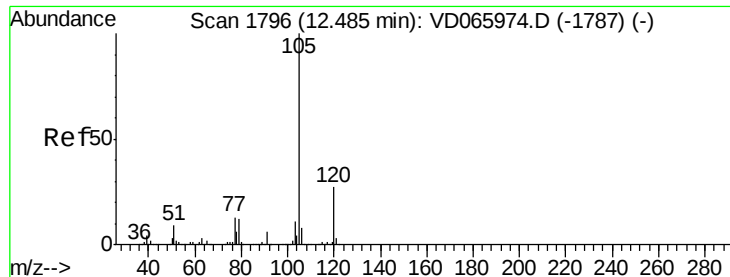


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.666 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Instrument :

MSVOA_D

ClientSampleId :

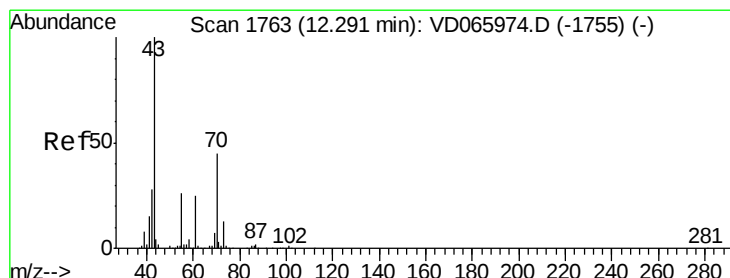
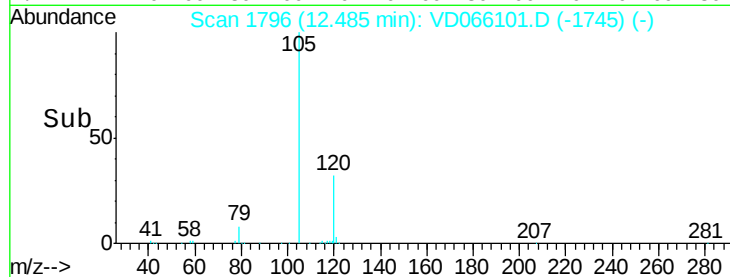
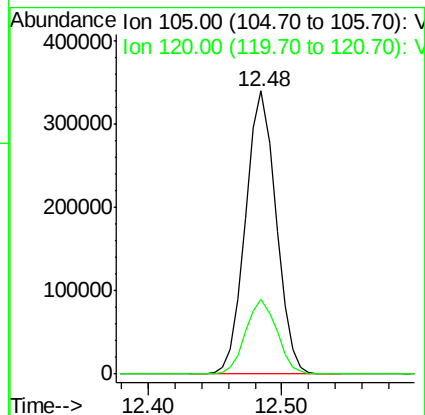
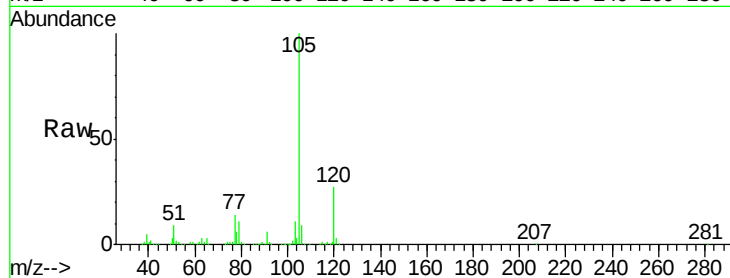
VSTDCCC050

Tot Ion:105 Resp: 538076

Ion Ratio Lower Upper

105 100

120 26.9 13.6 40.8



#74

N-ethyl acetate

Concen: 46.305 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Tgt Ion: 43 Resp: 98090

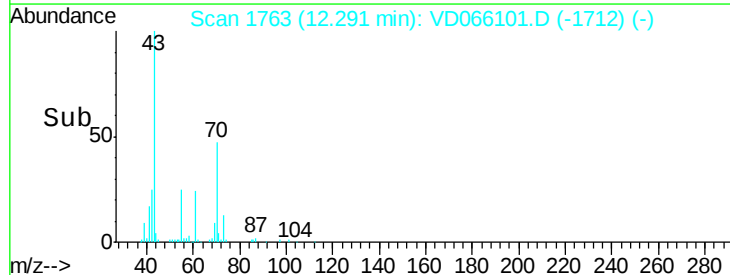
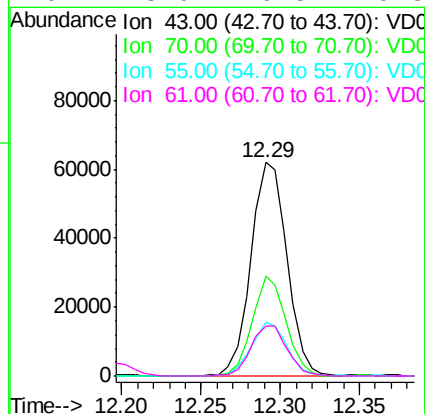
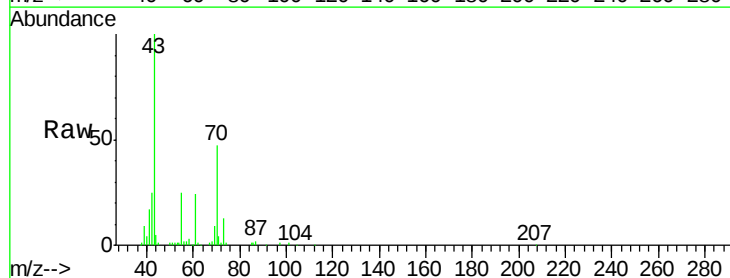
Ion Ratio Lower Upper

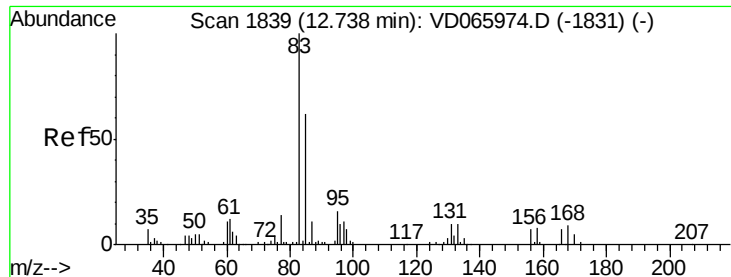
43 100

70 43.6 34.6 51.8

55 25.0 20.3 30.5

61 23.9 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 46.754 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

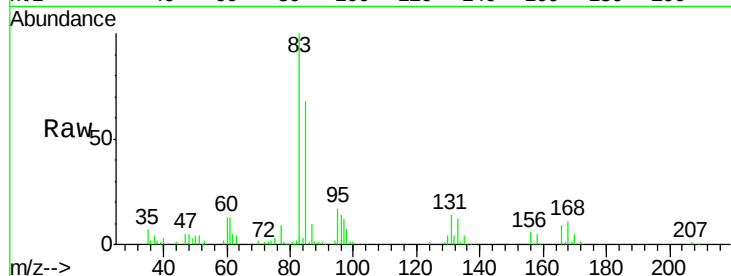
Tot Ion: 83 Resp: 78942

Ion Ratio Lower Upper

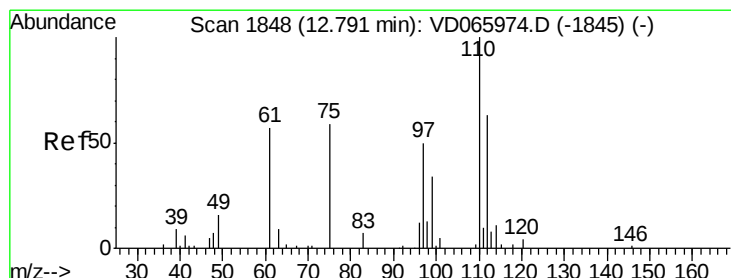
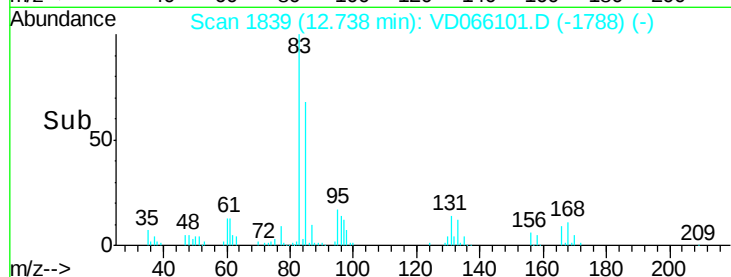
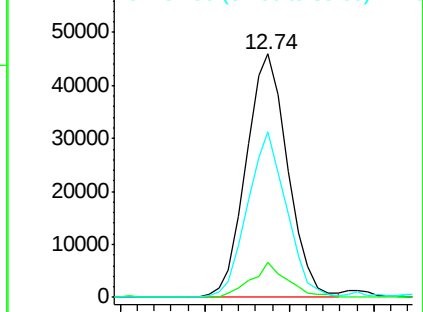
83 100

131 12.6 5.7 17.1

85 63.9 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: 84.886 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD066101.D

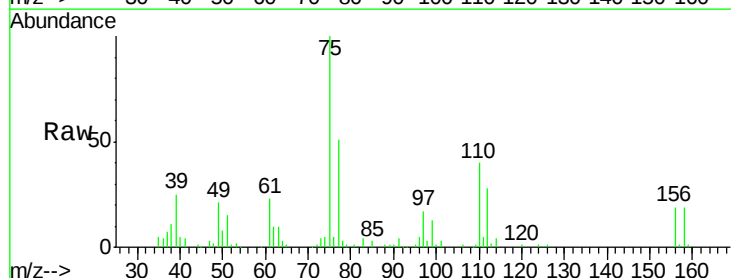
Acq: 30 Jul 2020 10:06

Tgt Ion: 75 Resp: 107916

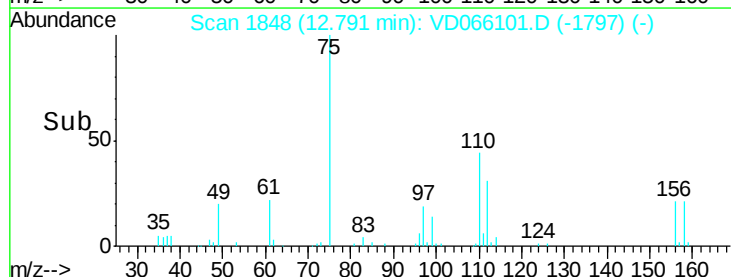
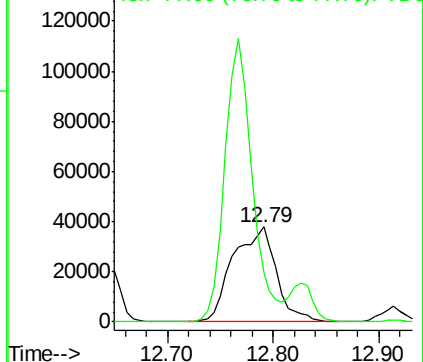
Ion Ratio Lower Upper

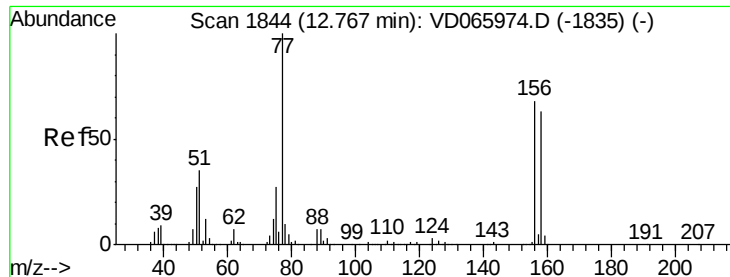
75 100

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: 50.015 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

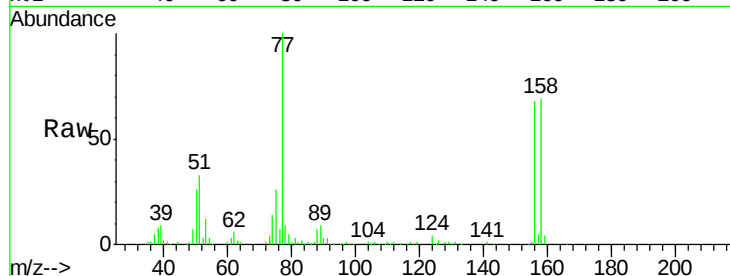
Tot Ion:156 Resp: 130589

Ion Ratio Lower Upper

156 100

77 155.8 83.0 249.0

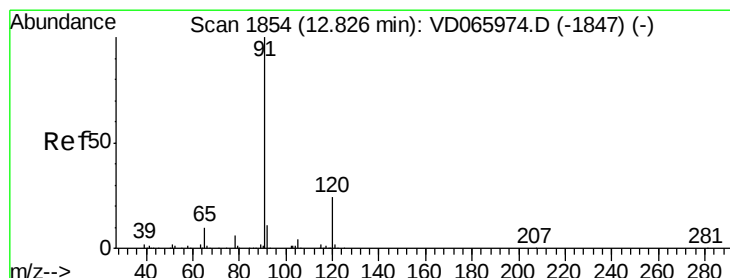
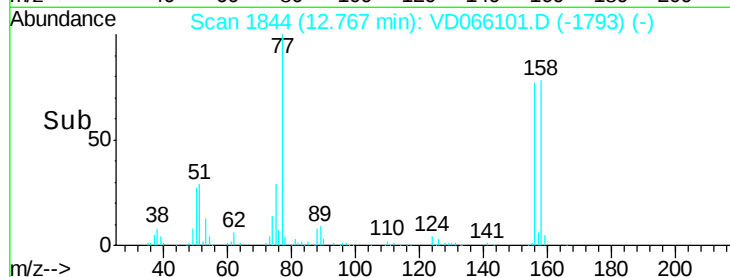
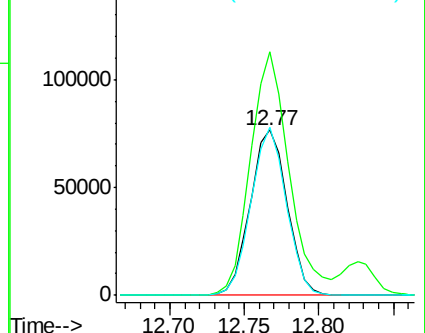
158 97.2 48.2 144.6



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: 52.580 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD066101.D

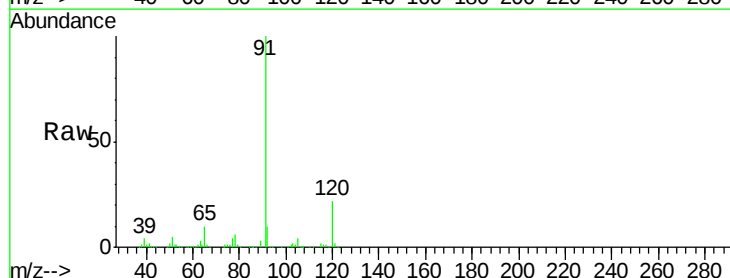
Acq: 30 Jul 2020 10:06

Tgt Ion: 91 Resp: 623361

Ion Ratio Lower Upper

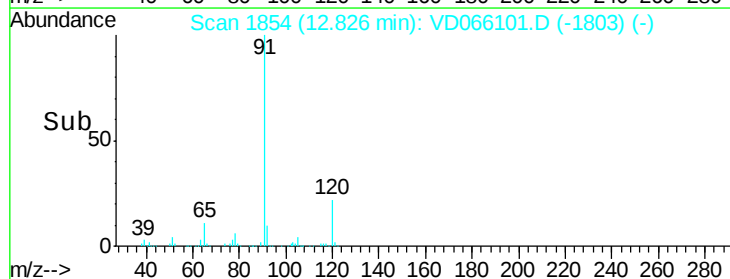
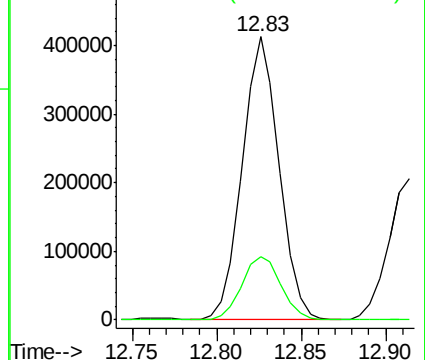
91 100

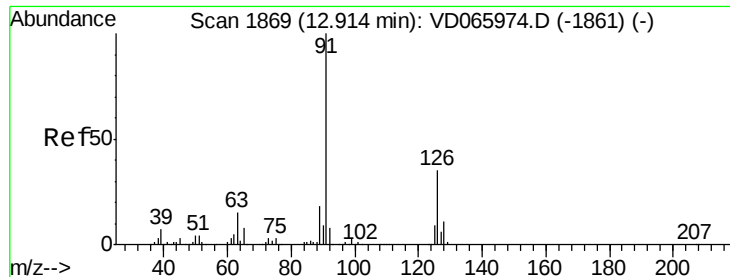
120 23.9 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.833 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Instrument :

MSVOA_D

ClientSampleId :

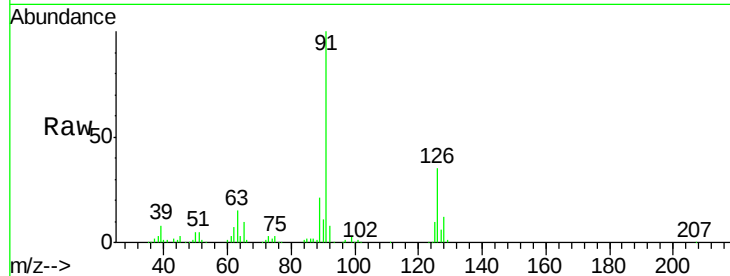
VSTDCCC050

Tot Ion: 91 Resp: 344295

Ion Ratio Lower Upper

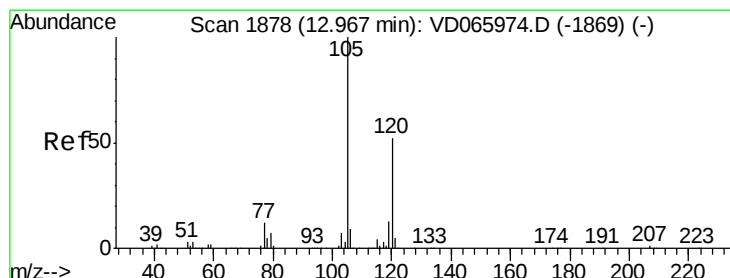
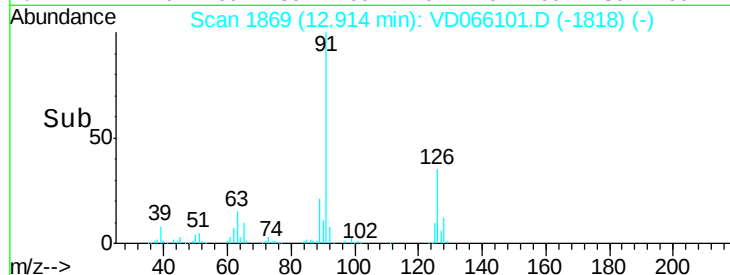
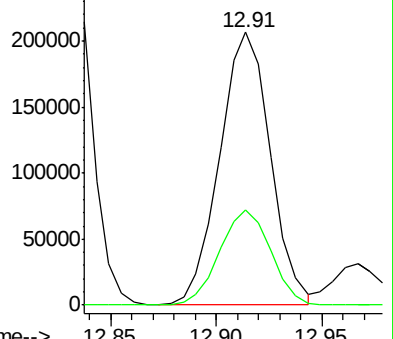
91 100

126 35.3 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: 54.387 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD066101.D

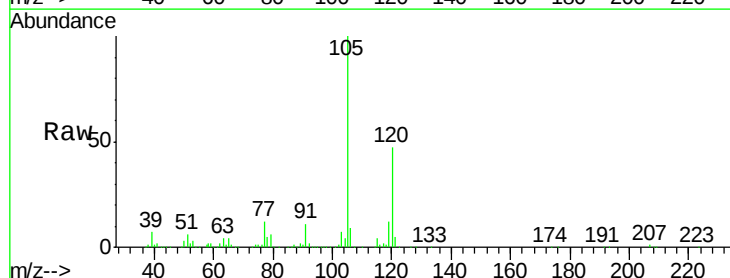
Acq: 30 Jul 2020 10:06

Tgt Ion:105 Resp: 456513

Ion Ratio Lower Upper

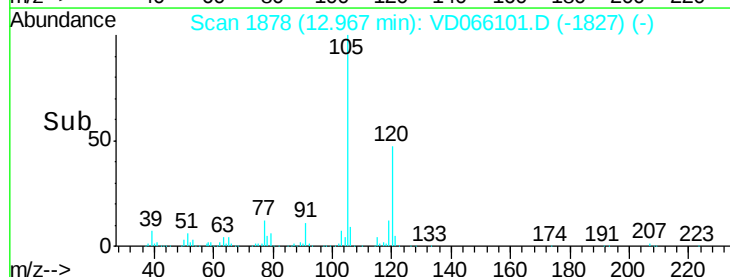
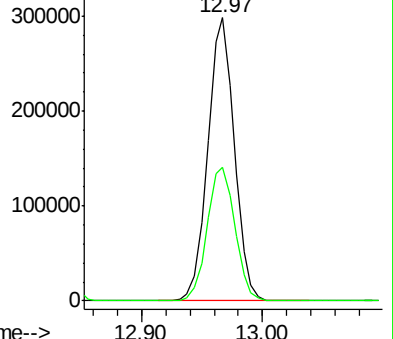
105 100

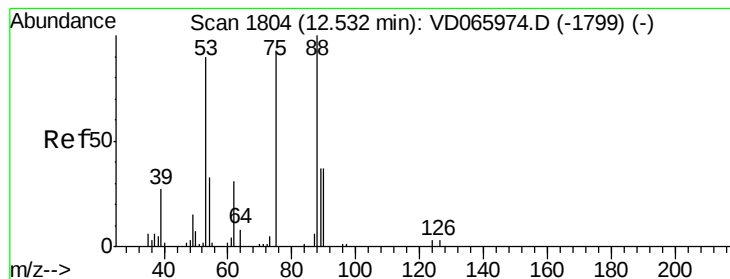
120 49.4 25.6 76.6



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: 49.694 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

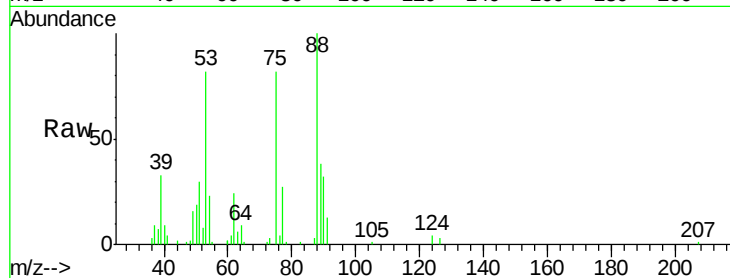
Tot Ion: 75 Resp: 27532

Ion Ratio Lower Upper

75 100

53 95.0 76.8 115.2

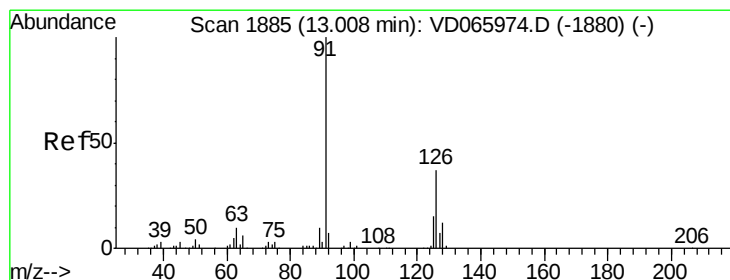
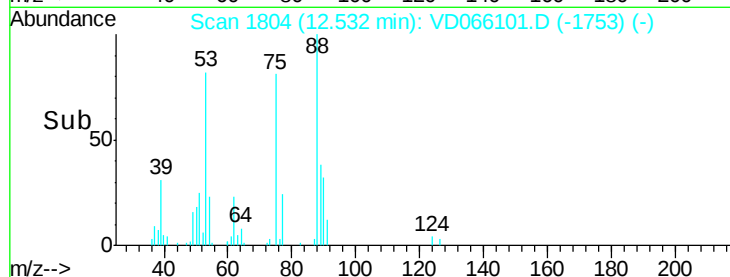
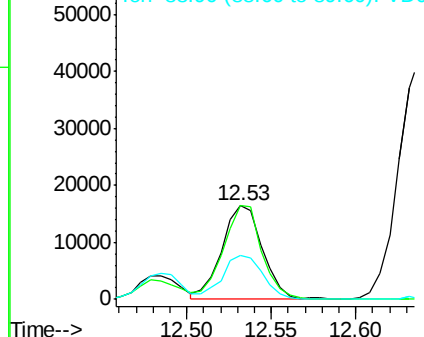
89 45.9 37.0 55.4



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: 50.642 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD066101.D

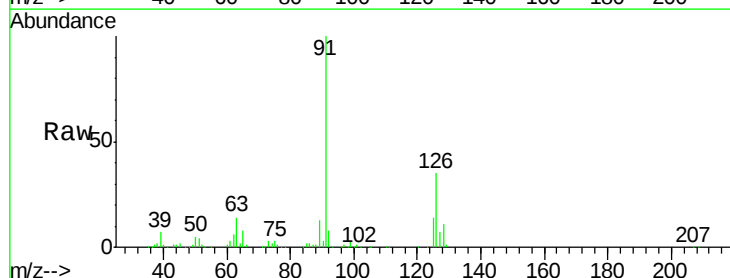
Acq: 30 Jul 2020 10:06

Tgt Ion: 91 Resp: 362045

Ion Ratio Lower Upper

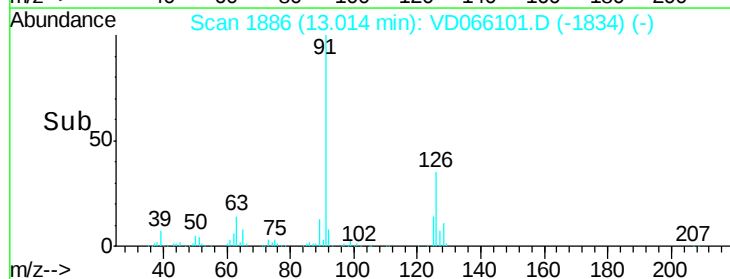
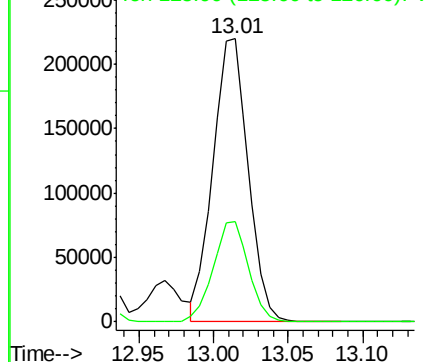
91 100

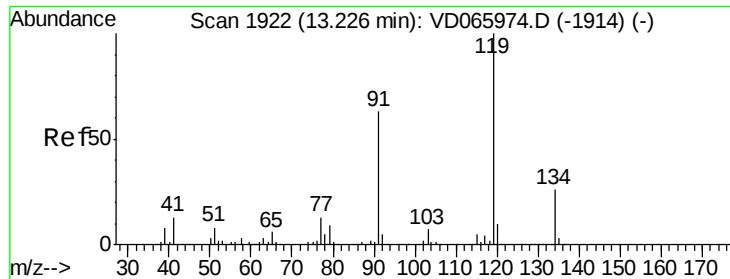
126 35.7 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

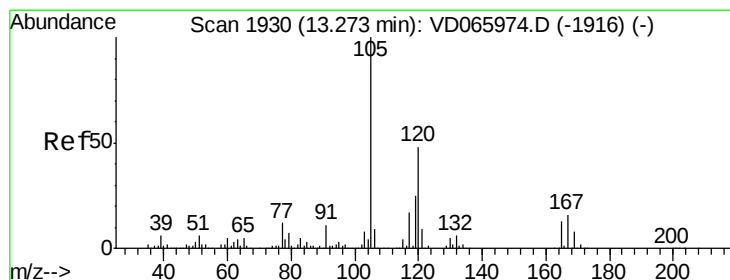
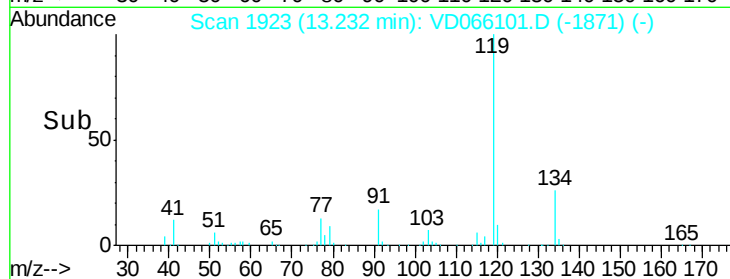
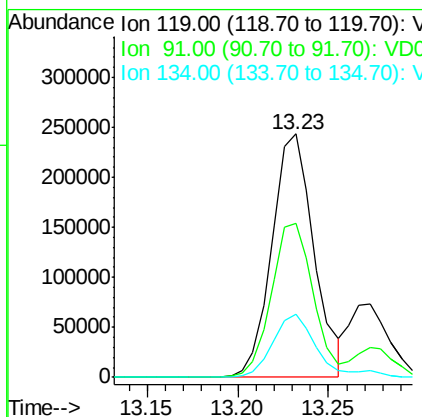
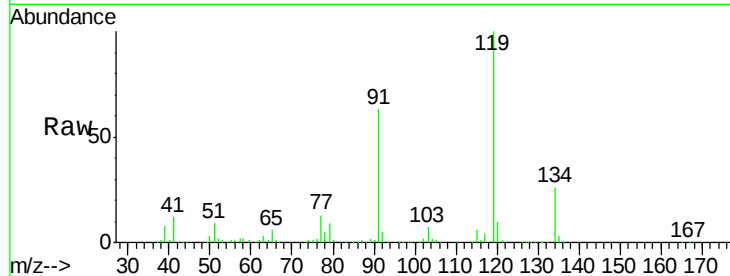




#83
tert-Butylbenzene
Concen: 53.703 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD066101.D
Acq: 30 Jul 2020 10:06

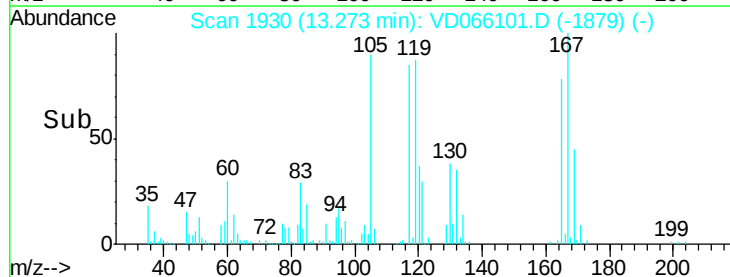
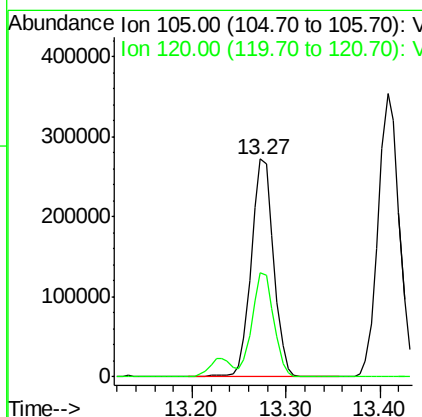
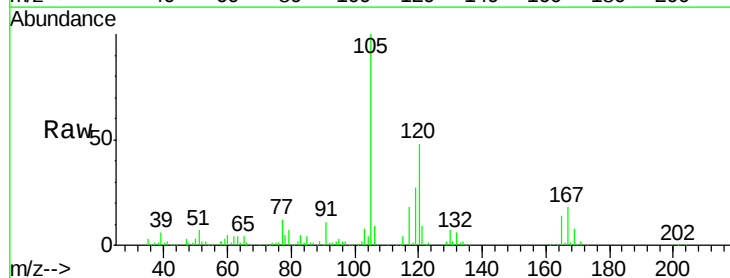
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

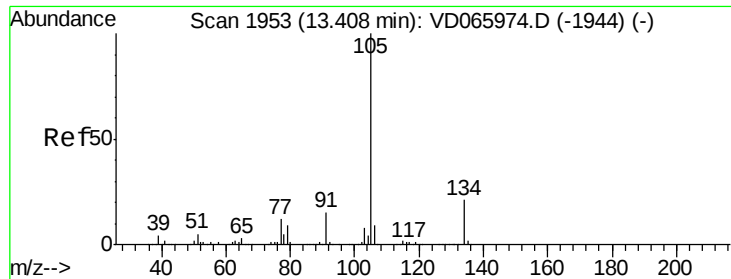
Tot Ion:119 Resp: 394455
Ion Ratio Lower Upper
119 100
91 62.8 30.6 91.6
134 27.8 13.9 41.7



#84
1,2,4-Trimethylbenzene
Concen: 54.061 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD066101.D
Acq: 30 Jul 2020 10:06

Tgt Ion:105 Resp: 447688
Ion Ratio Lower Upper
105 100
120 46.1 23.9 71.8





#85

sec-Butylbenzene

Concen: 54.384 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Instrument :

MSVOA_D

ClientSampleId :

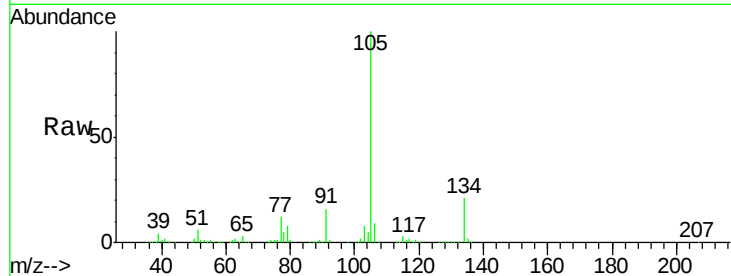
VSTDCCC050

Tot Ion:105 Resp: 550206

Ion Ratio Lower Upper

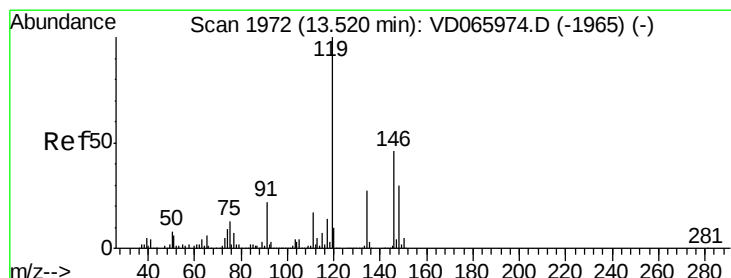
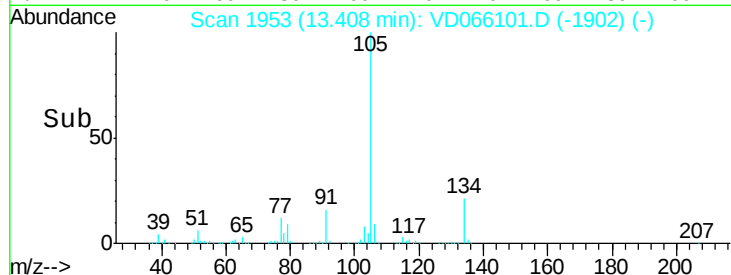
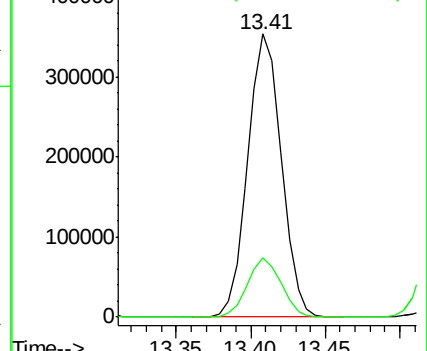
105 100

134 21.0 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: 55.674 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

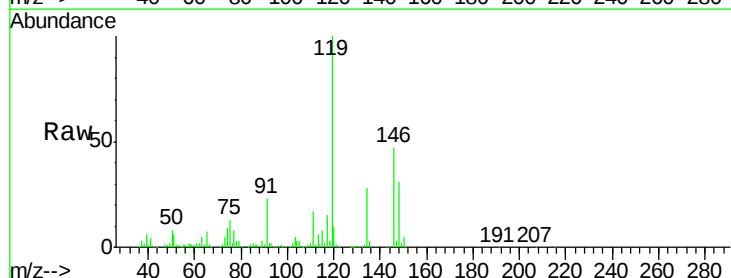
Tgt Ion:119 Resp: 511721

Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.2

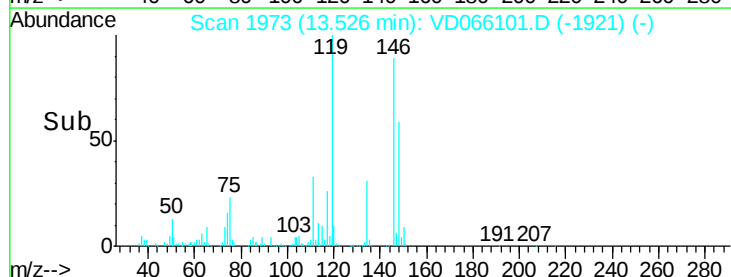
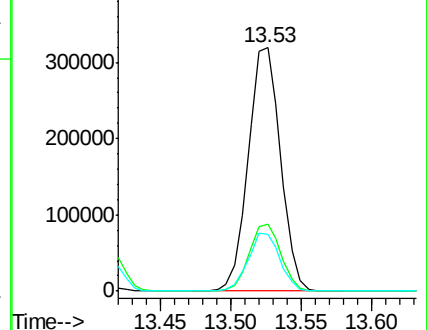
91 23.4 11.1 33.3

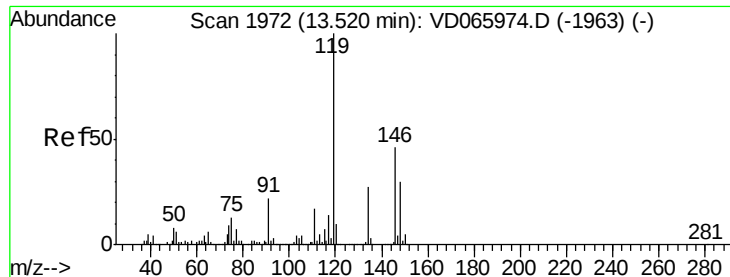


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 51.829 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

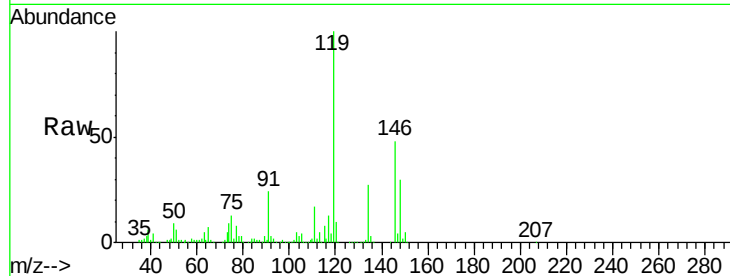
Tot Ion:146 Resp: 251249

Ion Ratio Lower Upper

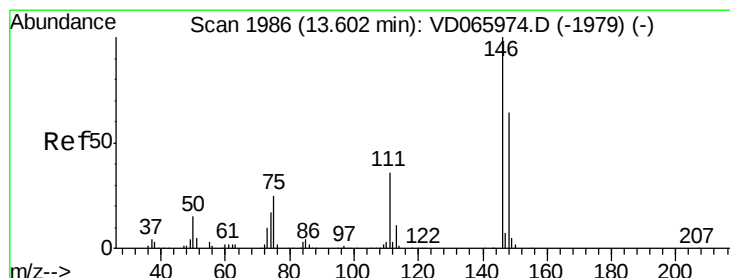
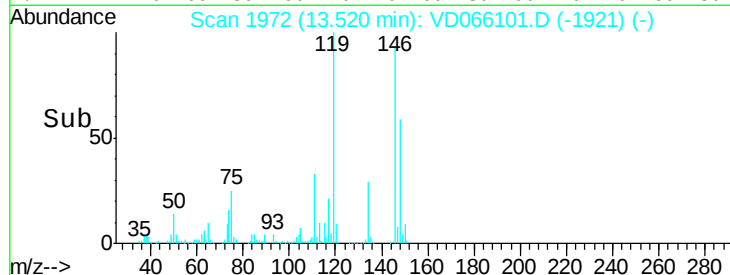
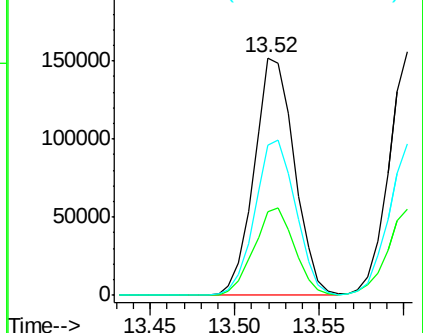
146 100

111 36.9 18.6 55.6

148 66.2 32.4 97.0



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



#88

1,4-Dichlorobenzene

Concen: 52.047 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

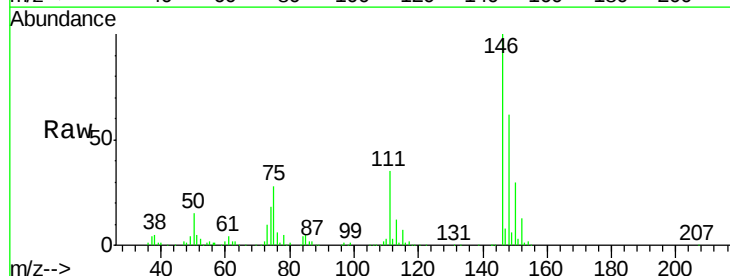
Tgt Ion:146 Resp: 255063

Ion Ratio Lower Upper

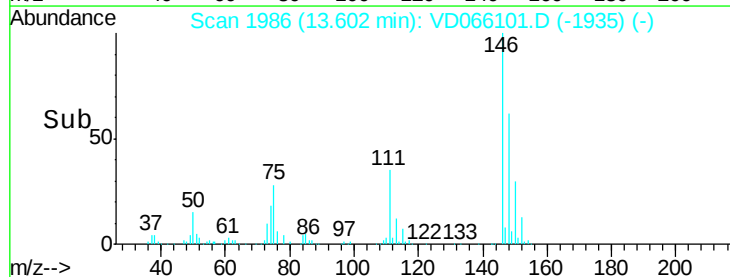
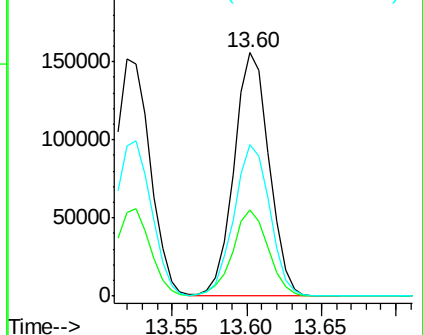
146 100

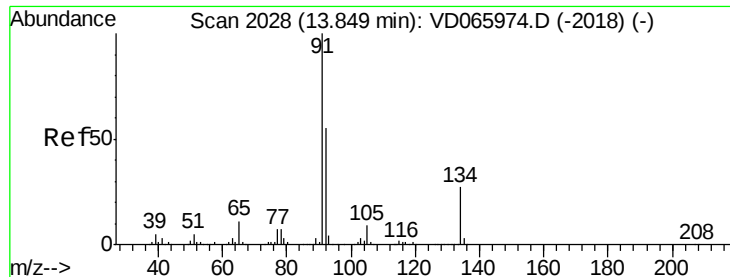
111 35.9 18.8 56.4

148 63.4 32.2 96.6



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

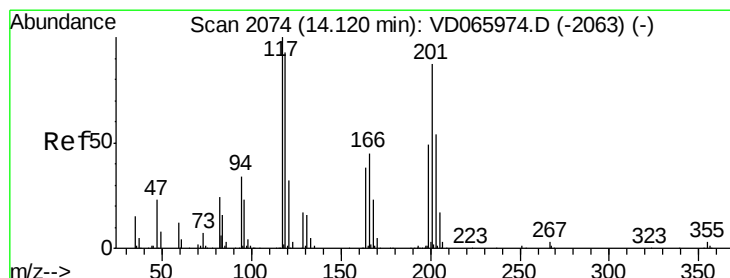
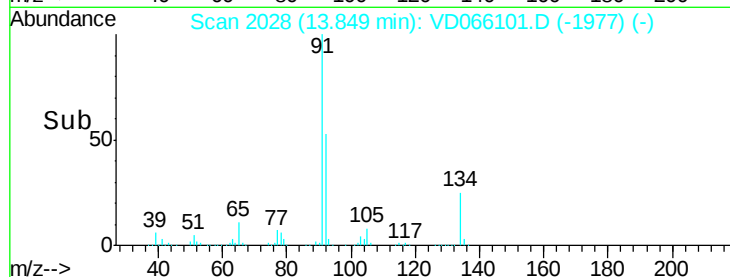
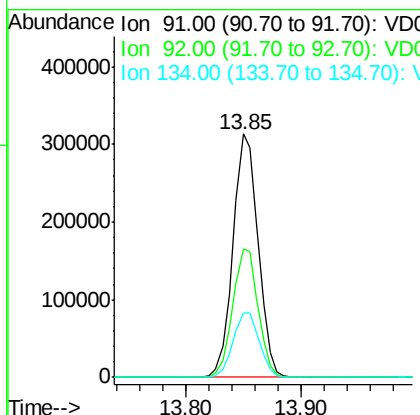
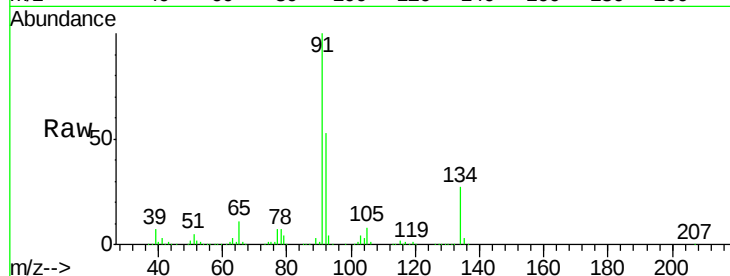




#89
n-Butylbenzene
Concen: 54.941 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD066101.D
Acq: 30 Jul 2020 10:06

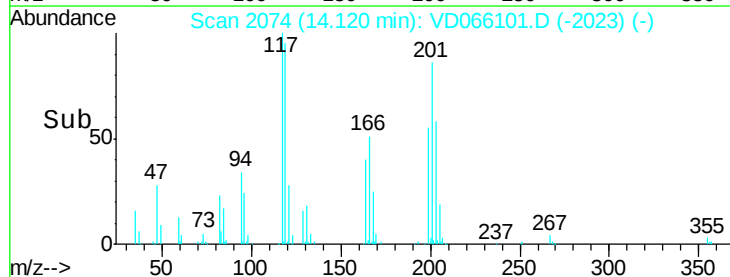
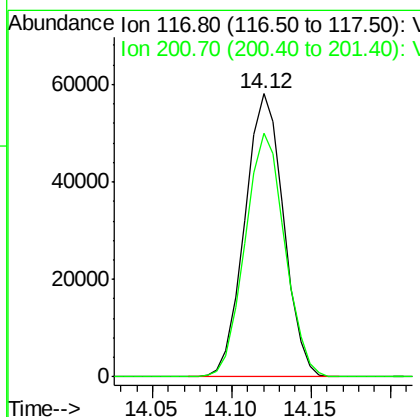
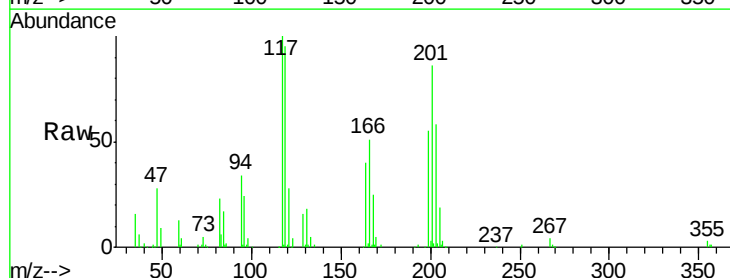
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

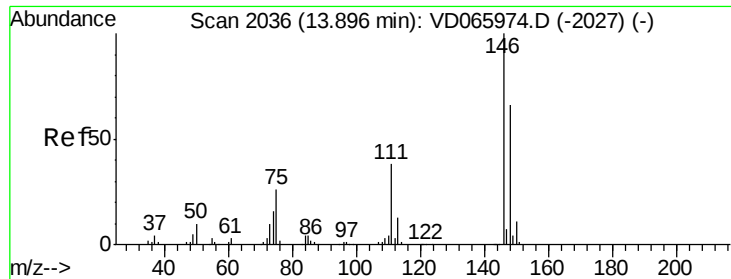
Tot Ion: 91 Resp: 469550
Ion Ratio Lower Upper
91 100
92 53.4 27.2 81.6
134 27.6 13.8 41.4



#90
Hexachloroethane
Concen: 51.913 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD066101.D
Acq: 30 Jul 2020 10:06

Tgt Ion: 117 Resp: 98777
Ion Ratio Lower Upper
117 100
201 88.2 42.0 126.1





#91

1,2-Dichlorobenzene

Concen: 51.970 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

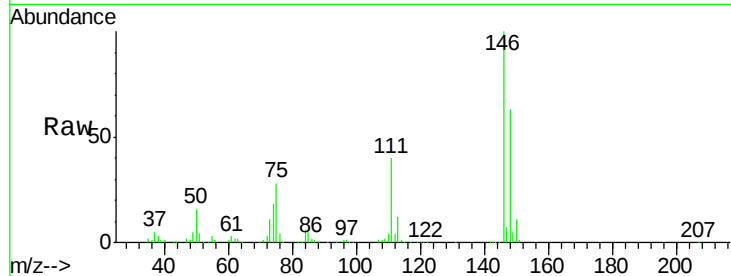
Tot Ion:146 Resp: 218308

Ion Ratio Lower Upper

146 100

111 38.8 19.3 57.9

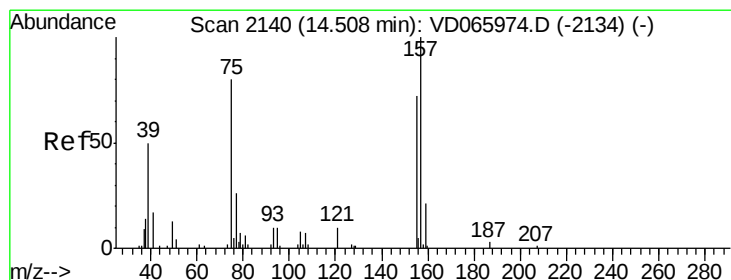
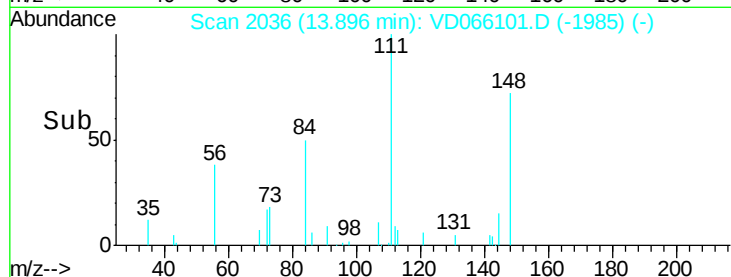
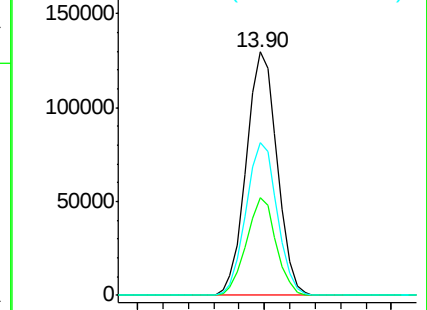
148 63.6 32.7 98.1



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: 49.444 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. 0.01 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

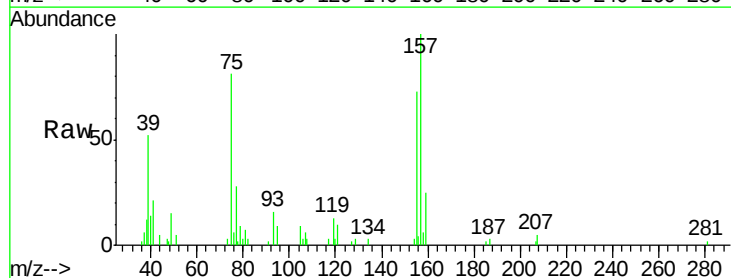
Tgt Ion: 75 Resp: 13682

Ion Ratio Lower Upper

75 100

155 99.4 48.5 145.5

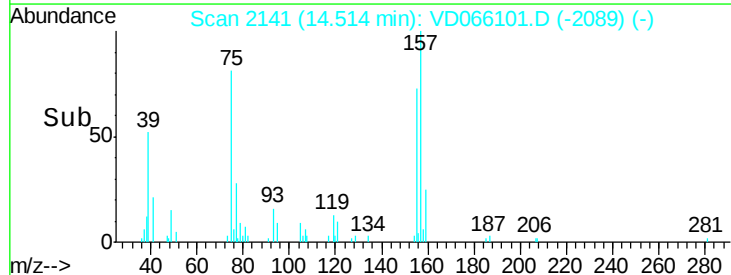
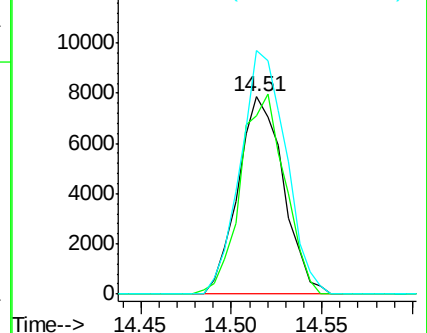
157 123.5 64.7 194.1

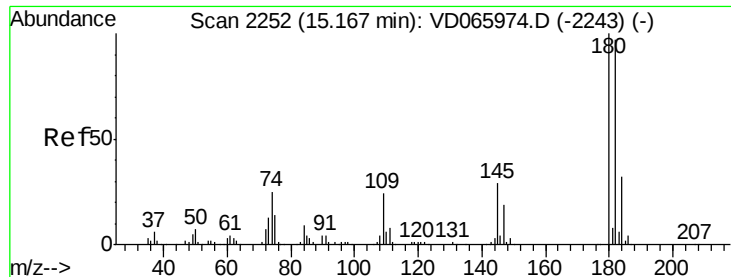


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

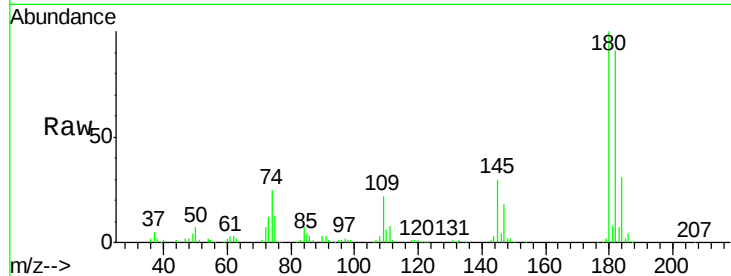




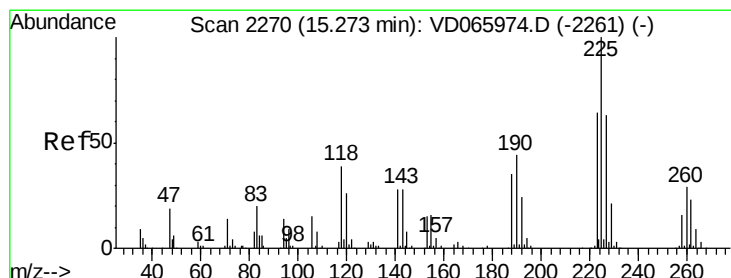
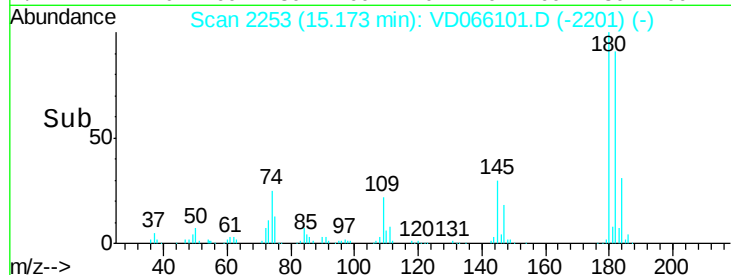
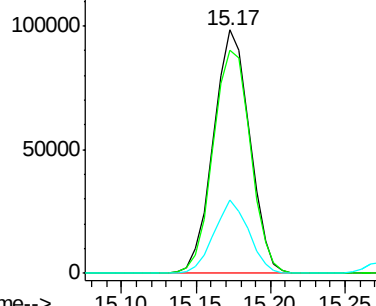
#93
1,2,4-Trichlorobenzene
Concen: 55.068 ug/l
RT: 15.17 min Scan# 2253
Delta R.T. 0.01 min
Lab File: VD066101.D
Acq: 30 Jul 2020 10:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:180 Resp: 166043
Ion Ratio Lower Upper
180 100
182 94.1 48.1 144.3
145 28.7 14.7 44.1

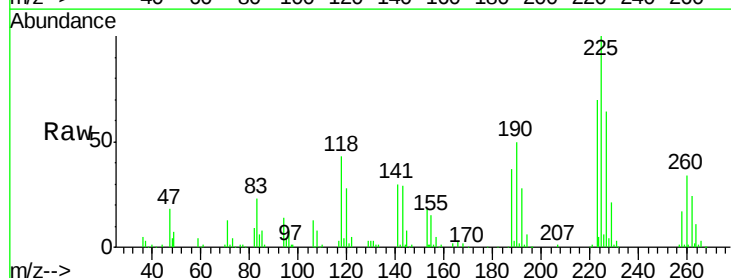


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

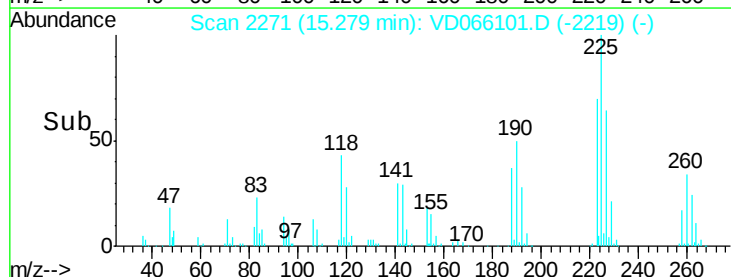
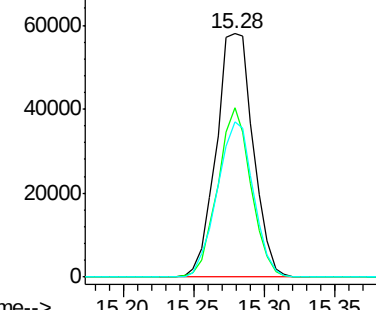


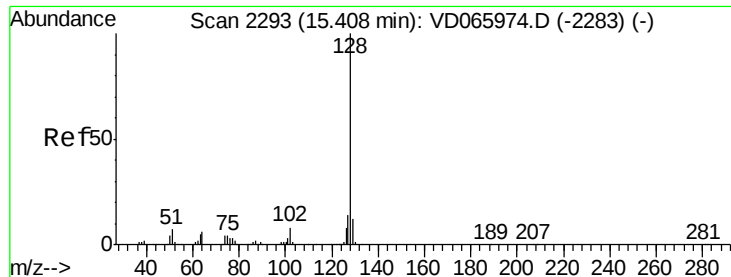
#94
Hexachlorobutadiene
Concen: 57.327 ug/l
RT: 15.28 min Scan# 2271
Delta R.T. 0.01 min
Lab File: VD066101.D
Acq: 30 Jul 2020 10:06

Tgt Ion:225 Resp: 106863
Ion Ratio Lower Upper
225 100
223 62.8 31.2 93.6
227 62.1 31.6 94.8



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 48.227 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

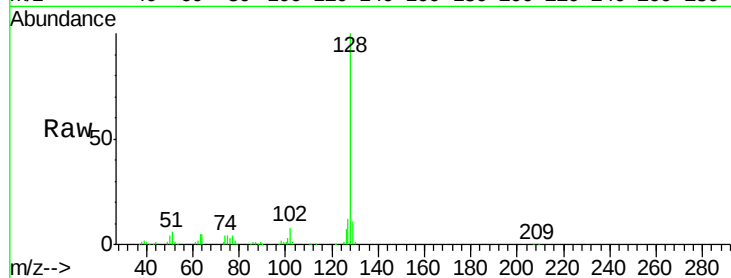
Tot Ion:128 Resp: 257866

Ion Ratio Lower Upper

128 100

127 13.0 10.8 16.2

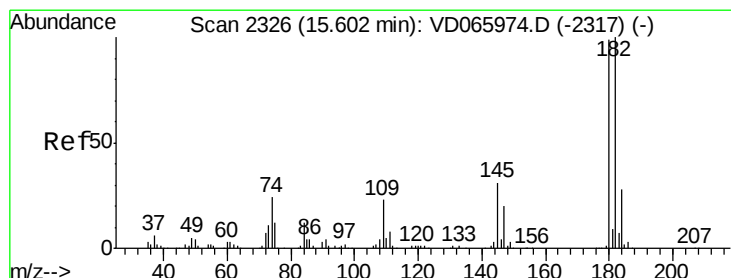
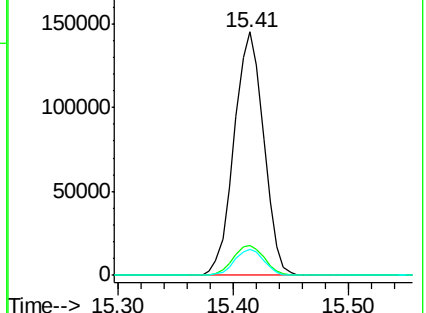
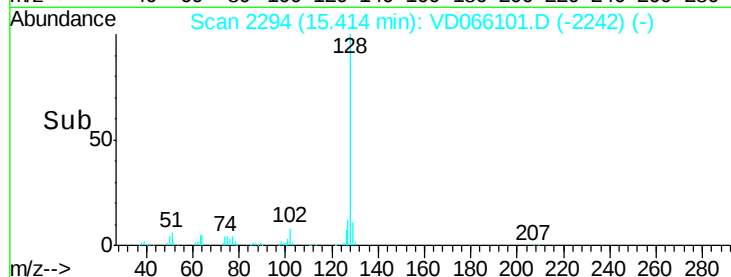
129 10.6 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 53.448 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

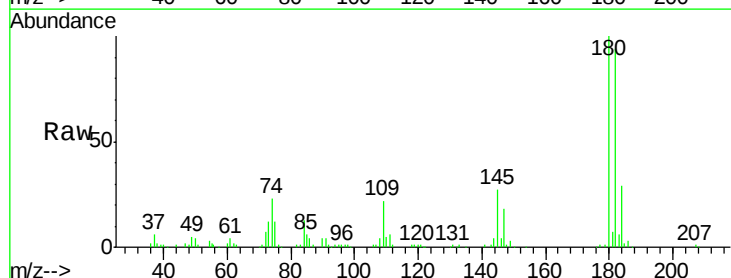
Tgt Ion:180 Resp: 140100

Ion Ratio Lower Upper

180 100

182 95.0 47.9 143.6

145 29.9 15.4 46.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

