

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072820\
 Data File : VD066072.D
 Acq On : 28 Jul 2020 11:11
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 29 01:30:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	270084	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	378853	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	350951	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	192403	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	119473	54.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.72%	
35) Dibromofluoromethane	7.91	113	124810	54.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.64%	
50) Toluene-d8	10.34	98	467212	54.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.16%	
62) 4-Bromofluorobenzene	12.64	95	163465	55.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	92025	44.897	ug/l	98
3) Chloromethane	2.21	50	75659	45.232	ug/l	97
4) Vinyl Chloride	2.35	62	76900	48.278	ug/l	97
5) Bromomethane	2.77	94	53057	47.068	ug/l	93
6) Chloroethane	2.92	64	48964	51.494	ug/l	94
7) Trichlorofluoromethane	3.27	101	200101	51.647	ug/l	96
8) Diethyl Ether	3.70	74	53631	50.079	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.10	101	114931	49.128	ug/l	95
10) Methyl Iodide	4.30	142	127952	53.414	ug/l	94
11) Tert butyl alcohol	5.21	59	39314	288.527	ug/l #	96
12) 1,1-Dichloroethene	4.07	96	110376	49.428	ug/l	99
13) Acrolein	3.92	56	40887	220.824	ug/l	99
14) Allyl chloride	4.71	41	162169	46.457	ug/l	93
15) Acrylonitrile	5.42	53	113357	247.763	ug/l	98
16) Acetone	4.16	43	134025	301.292	ug/l	96
17) Carbon Disulfide	4.41	76	318417	43.959	ug/l	100
18) Methyl Acetate	4.71	43	47070	45.486	ug/l	96
19) Methyl tert-butyl Ether	5.47	73	247937	54.039	ug/l	100
20) Methylene Chloride	4.96	84	121186	49.223	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	122069	48.367	ug/l	96
22) Diisopropyl ether	6.36	45	318545	48.034	ug/l	96
23) Vinyl Acetate	6.30	43	966112	258.313	ug/l	96
24) 1,1-Dichloroethane	6.26	63	199216	49.578	ug/l	98
25) 2-Butanone	7.21	43	151809	257.190	ug/l	100
26) 2,2-Dichloropropane	7.20	77	197515	54.662	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	134539	50.348	ug/l	99
28) Bromochloromethane	7.54	49	84932	49.800	ug/l	89
29) Tetrahydrofuran	7.56	42	89345	245.324	ug/l	93
30) Chloroform	7.71	83	215445	51.257	ug/l	96
31) Cyclohexane	7.98	56	178470	45.146	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	209855	53.976	ug/l	99
36) 1,1-Dichloropropene	8.11	75	168780	52.200	ug/l	98
37) Ethyl Acetate	7.29	43	64458	52.201	ug/l #	94
38) Carbon Tetrachloride	8.10	117	200509	57.153	ug/l	99

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	205602	52.509	ug/l	96
40) Benzene	8.35	78	467731	51.707	ug/l	95
41) Methacrylonitrile	7.52	41	36252	51.249	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	138782	55.989	ug/l	100
43) Isopropyl Acetate	8.45	43	129492	53.692	ug/l	99
44) Trichloroethene	9.11	130	144543	52.804	ug/l	95
45) 1,2-Dichloropropane	9.39	63	110328	50.359	ug/l	97
46) Dibromomethane	9.48	93	62912	53.343	ug/l	95
47) Bromodichloromethane	9.66	83	167013	53.557	ug/l	99
48) Methyl methacrylate	9.46	41	62056	51.010	ug/l	89
49) 1,4-Dioxane	9.46	88	14774	1081.256	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	328140	270.035	ug/l	99
52) Toluene	10.40	92	314645	53.338	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	165997	57.137	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	188091	53.409	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	89249	53.358	ug/l	94
56) Ethyl methacrylate	10.66	69	110060	56.594	ug/l #	95
57) 1,3-Dichloropropane	10.95	76	147366	53.220	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	235886	253.914	ug/l	97
59) 2-Hexanone	10.99	43	242915	288.462	ug/l	98
60) Dibromochloromethane	11.14	129	124396	55.158	ug/l	99
61) 1,2-Dibromoethane	11.25	107	87935	54.525	ug/l	97
64) Tetrachloroethene	10.88	164	128775	54.061	ug/l	96
65) Chlorobenzene	11.67	112	343896	53.519	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	133542	56.284	ug/l	99
67) Ethyl Benzene	11.75	91	609183	55.089	ug/l	100
68) m/p-Xylenes	11.86	106	472697	111.215	ug/l	99
69) o-Xylene	12.18	106	218600	56.547	ug/l	100
70) Styrene	12.20	104	375063	56.468	ug/l	99
71) Bromoform	12.37	173	79369	57.108	ug/l #	97
73) Isopropylbenzene	12.48	105	615230	52.844	ug/l	100
74) N-amyl acetate	12.30	43	120997	50.125	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	99069	51.490	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	130298	89.942	ug/l #	100
77) Bromobenzene	12.77	156	153223	51.497	ug/l	95
78) n-propylbenzene	12.83	91	715212	52.940	ug/l	100
79) 2-Chlorotoluene	12.91	91	392209	50.816	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	510489	53.370	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	33667	53.327	ug/l	98
82) 4-Chlorotoluene	13.01	91	418054	51.316	ug/l	100
83) tert-Butylbenzene	13.23	119	452880	54.107	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	512592	54.319	ug/l	98
85) sec-Butylbenzene	13.41	105	617457	53.558	ug/l	98
86) p-Isopropyltoluene	13.53	119	584351	55.791	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	292775	53.000	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	285148	51.061	ug/l	99
89) n-Butylbenzene	13.85	91	526351	54.046	ug/l	99
90) Hexachloroethane	14.12	117	111099	51.239	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	252169	52.680	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	16798	53.271	ug/l	99

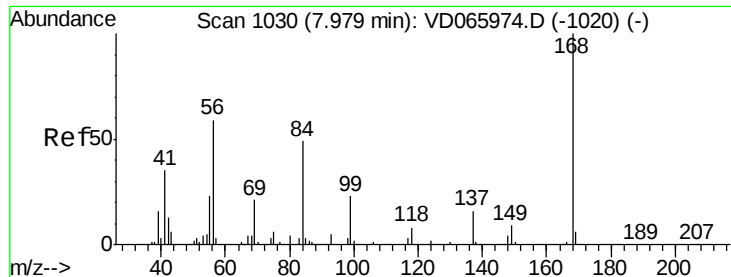
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Quant Title : SW846 8260
QLast Update : Tue Jul 21 12:34:13 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	194381	56.573	ug/l	99
94) Hexachlorobutadiene	15.28	225	118497	55.784	ug/l	98
95) Naphthalene	15.41	128	321703	52.462	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	168178	56.303	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066072.D

Acq: 28 Jul 2020 11:11

Instrument :

MSVOA_D

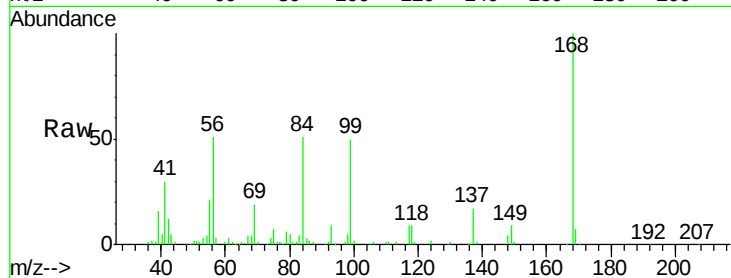
ClientSampleId :

Tot Ion:168 Resp: 270084

Ion Ratio Lower Upper

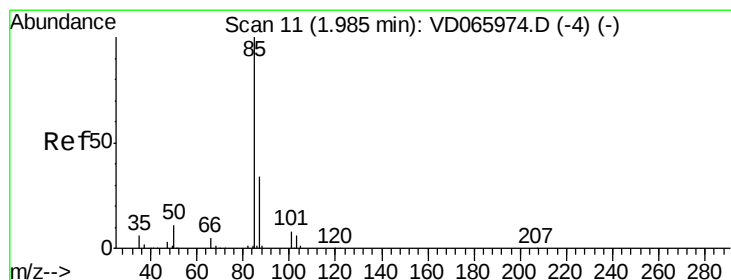
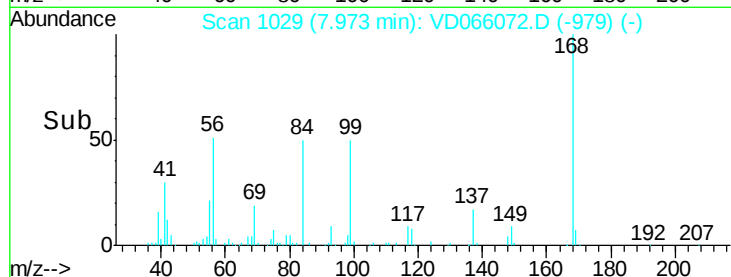
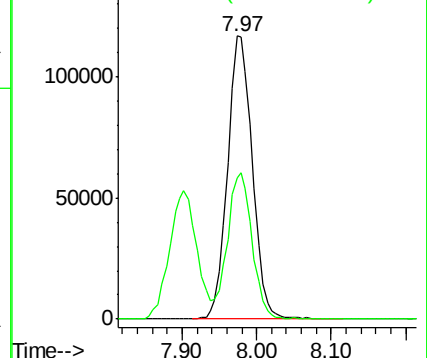
168 100

99 49.7 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 44.897 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD066072.D

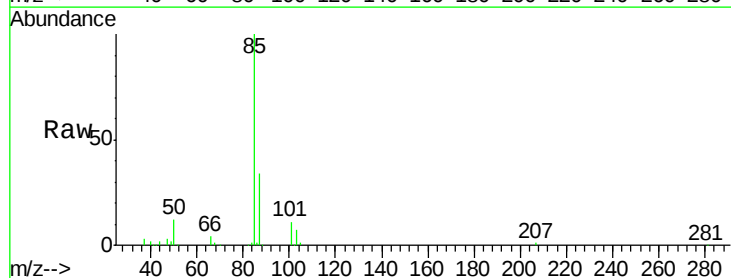
Acq: 28 Jul 2020 11:11

Tgt Ion: 85 Resp: 92025

Ion Ratio Lower Upper

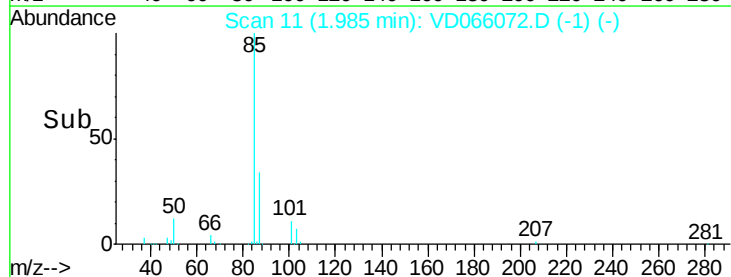
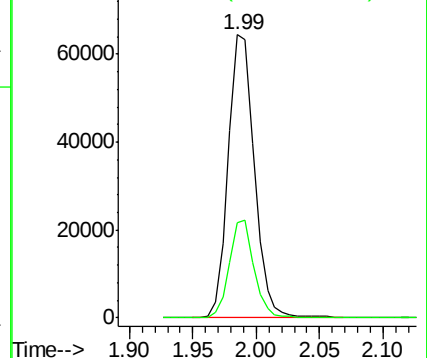
85 100

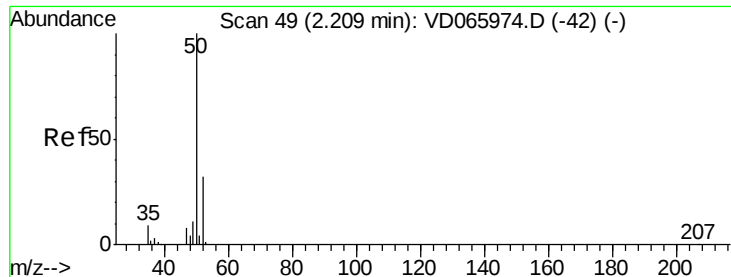
87 33.6 17.3 51.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 45.232 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD066072.D

Acq: 28 Jul 2020 11:11

Instrument :

MSVOA_D

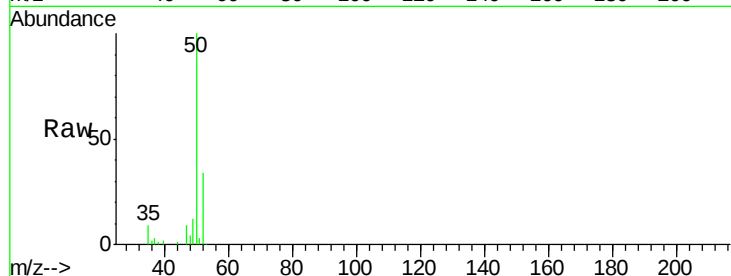
ClientSampleId :

Tot Ion: 50 Resp: 75659

Ion Ratio Lower Upper

50 100

52 34.2 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

60000

50000

40000

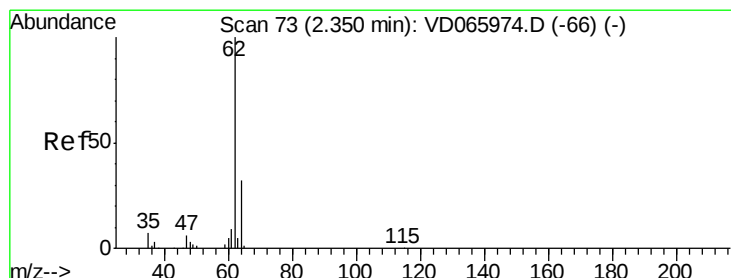
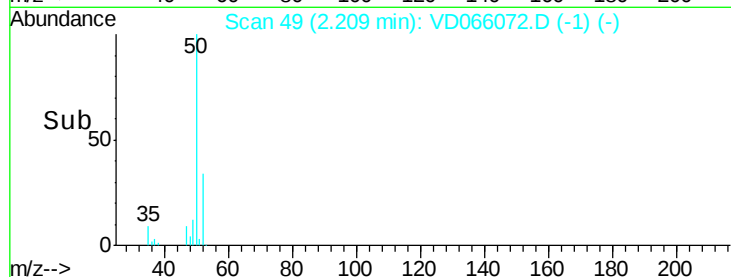
30000

20000

10000

0

Time--> 2.15 2.20 2.25 2.30



#4

Vinyl Chloride

Concen: 48.278 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066072.D

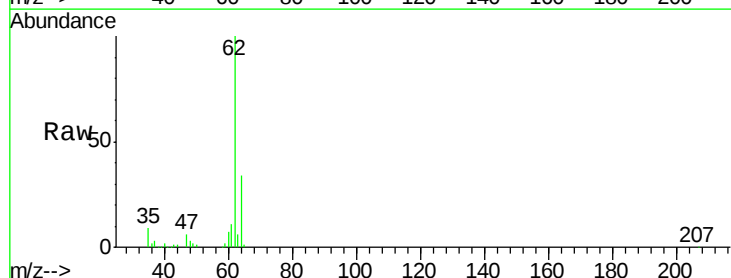
Acq: 28 Jul 2020 11:11

Tgt Ion: 62 Resp: 76900

Ion Ratio Lower Upper

62 100

64 33.8 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

50000

40000

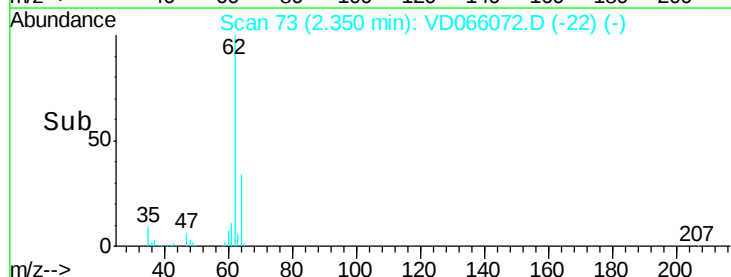
30000

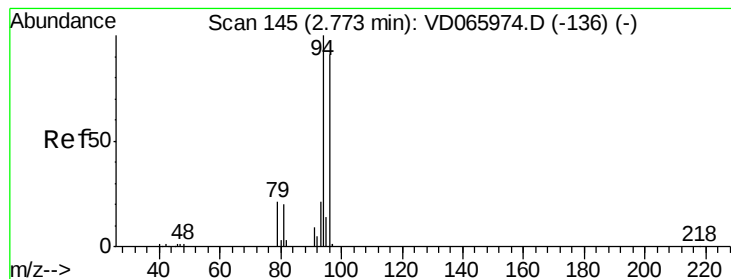
20000

10000

0

Time--> 2.30 2.35 2.40





#5

Bromomethane

Concen: 47.068 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD066072.D

Acq: 28 Jul 2020 11:11

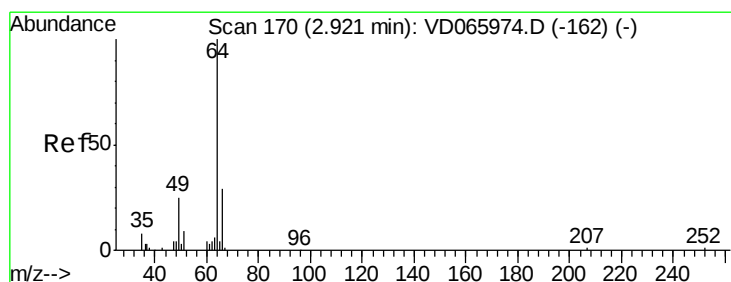
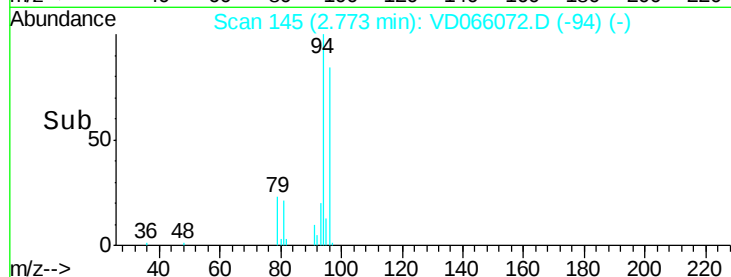
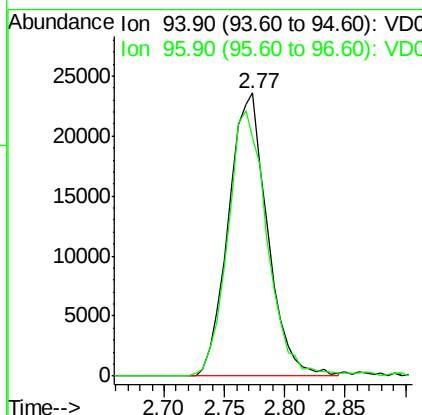
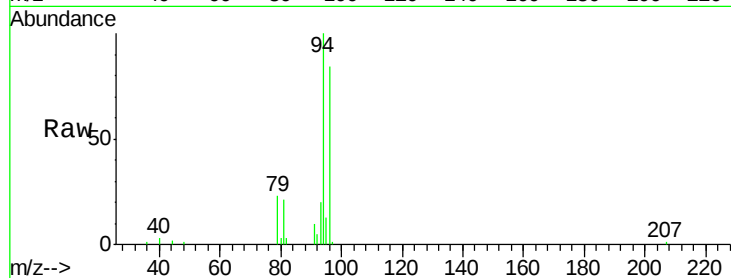
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 94 Resp: 53057

Ion Ratio Lower Upper

94 100

96 84.3 73.0 109.4



#6

Chloroethane

Concen: 51.494 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD066072.D

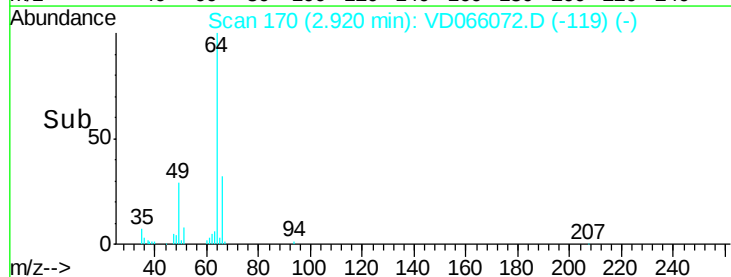
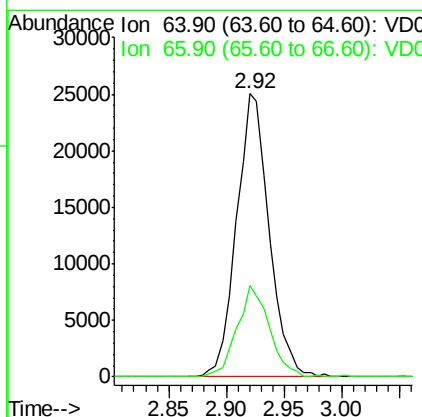
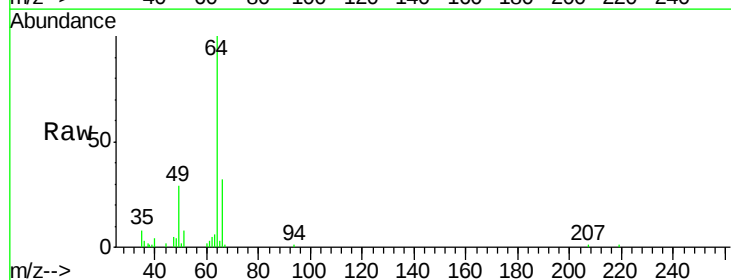
Acq: 28 Jul 2020 11:11

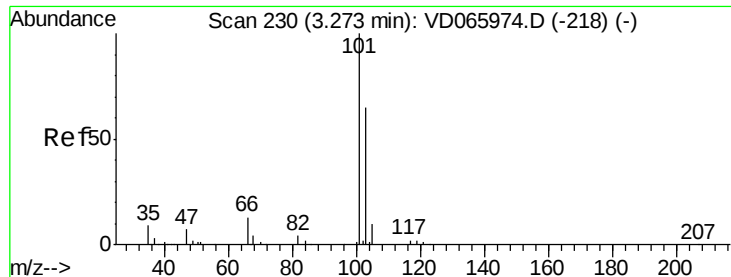
Tgt Ion: 64 Resp: 48964

Ion Ratio Lower Upper

64 100

66 32.3 23.4 35.0



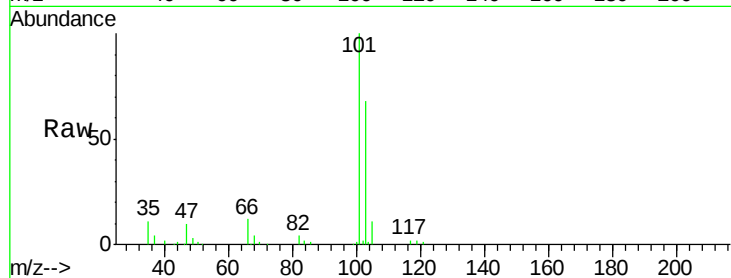


#7

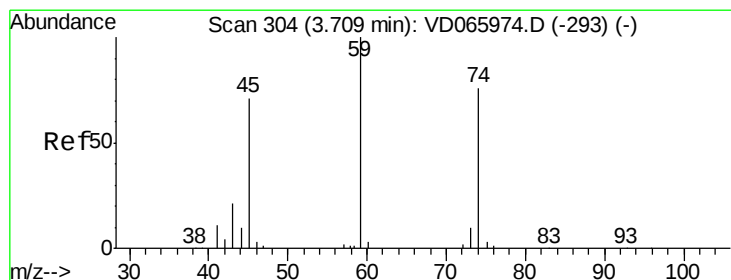
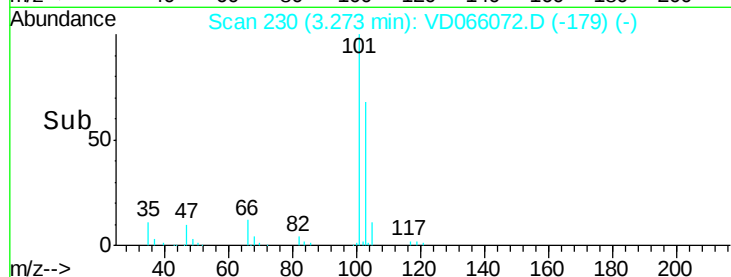
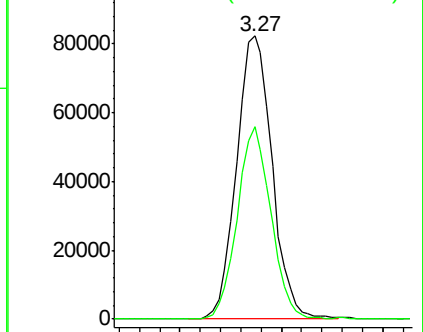
Trichlorofluoromethane
Concen: 51.647 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD066072.D
Acq: 28 Jul 2020 11:11

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 200101
Ion Ratio Lower Upper
101 100
103 68.0 52.1 78.1



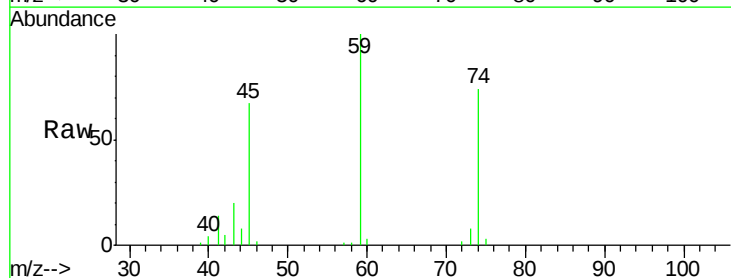
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



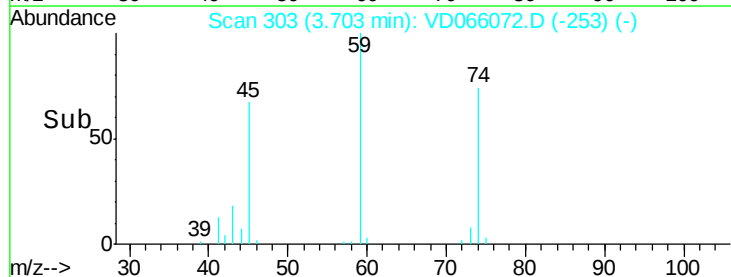
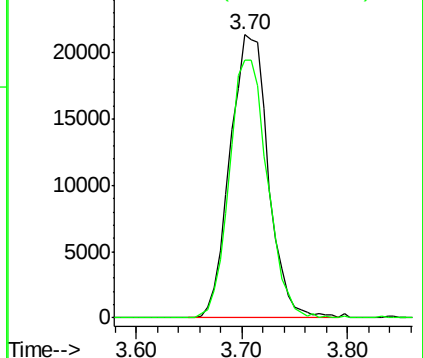
#8

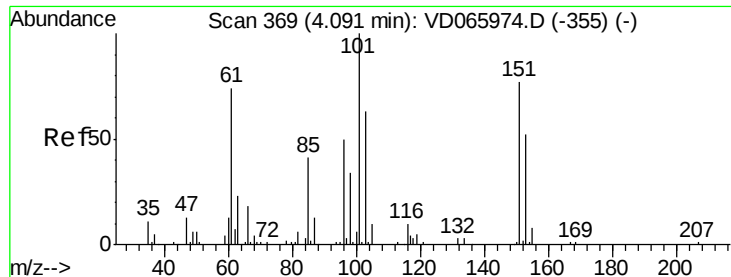
Diethyl Ether
Concen: 50.079 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD066072.D
Acq: 28 Jul 2020 11:11

Tgt Ion: 74 Resp: 53631
Ion Ratio Lower Upper
74 100
45 90.5 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: 49.128 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD066072.D

Acq: 28 Jul 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

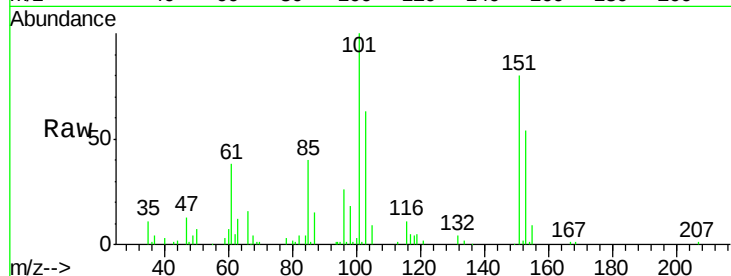
Tot Ion:101 Resp: 114931

Ion Ratio Lower Upper

101 100

85 43.3 33.6 50.4

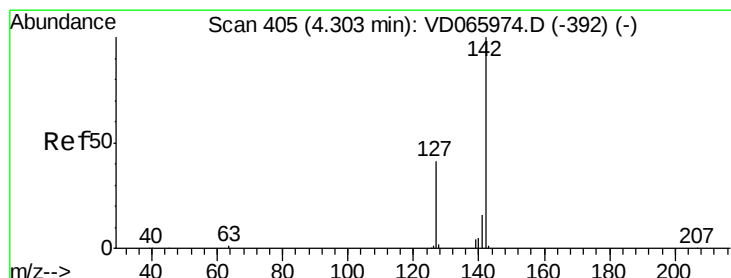
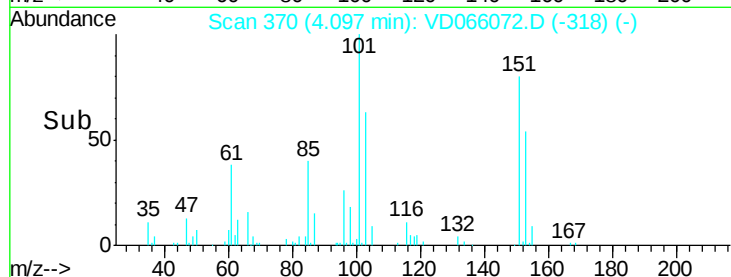
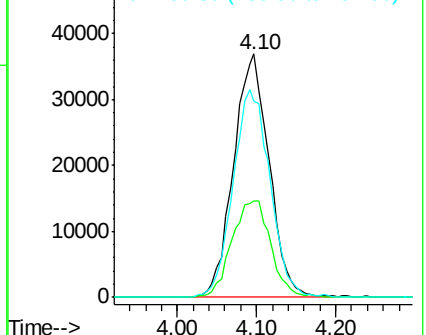
151 88.5 66.6 99.8



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: 53.414 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: VD066072.D

Acq: 28 Jul 2020 11:11

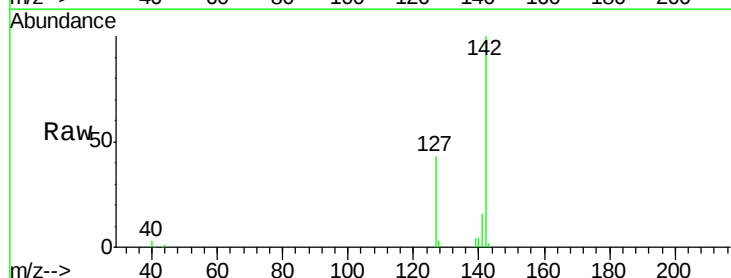
Tgt Ion:142 Resp: 127952

Ion Ratio Lower Upper

142 100

127 45.8 32.9 49.3

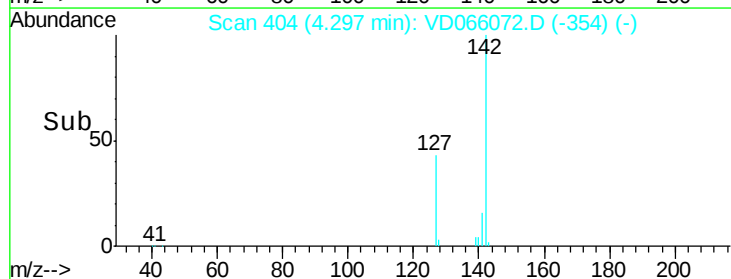
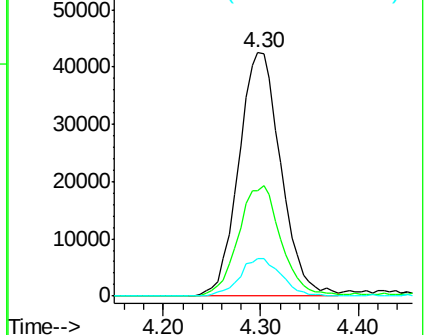
141 15.2 11.8 17.6

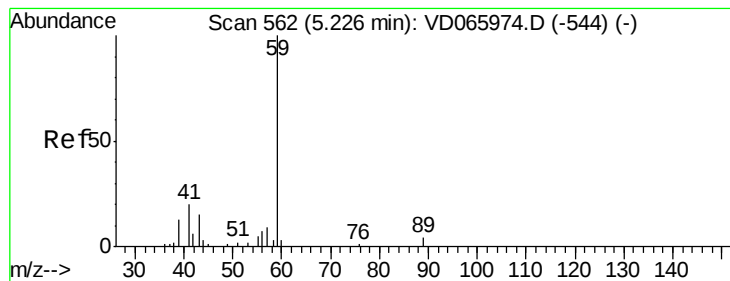


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



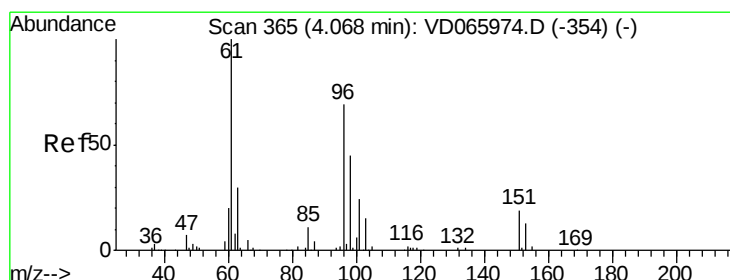
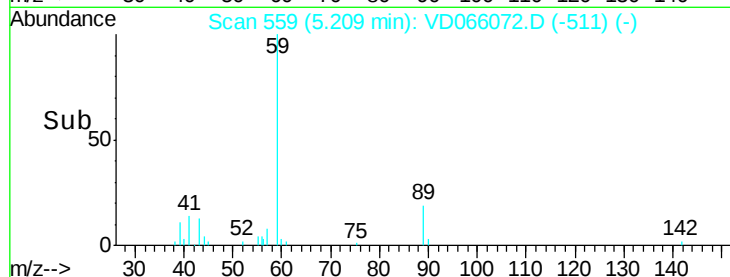
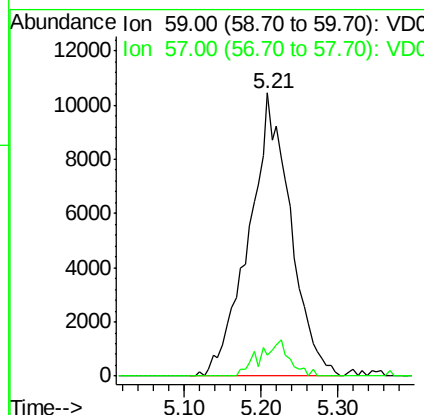
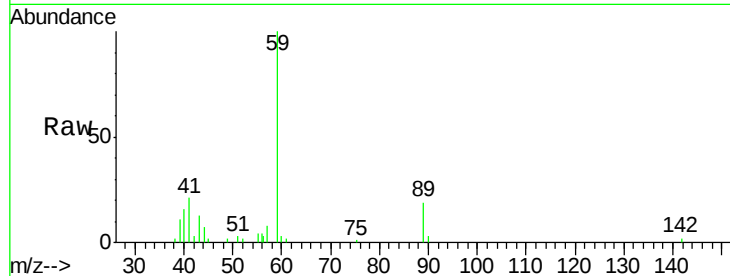


#11

Tert butyl alcohol
Concen: 288.527 ug/l
RT: 5.21 min Scan# 559
Delta R.T. -0.02 min
Lab File: VD066072.D
Acq: 28 Jul 2020 11:11

Instrument :
MSVOA_D
ClientSampled :

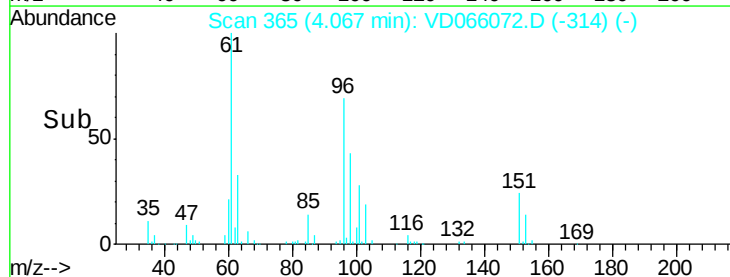
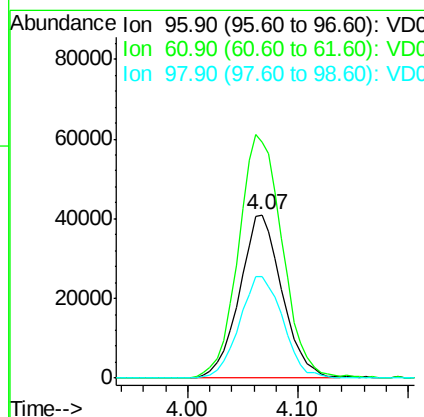
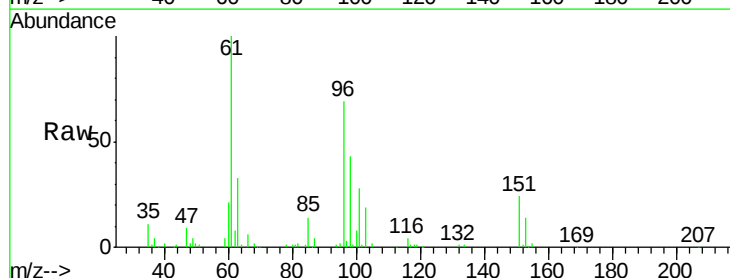
Tot Ion: 59 Resp: 39314
Ion Ratio Lower Upper
59 100
57 7.1 4.5 6.7#

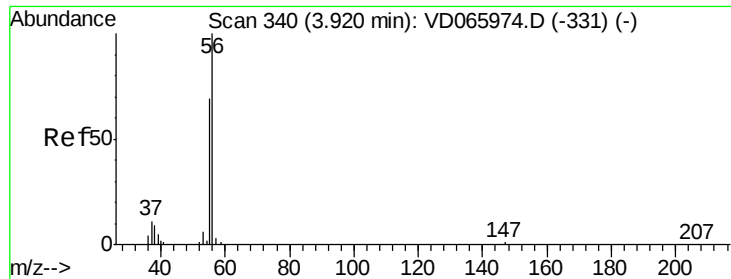


#12

1,1-Dichloroethene
Concen: 49.428 ug/l
RT: 4.07 min Scan# 365
Delta R.T. -0.00 min
Lab File: VD066072.D
Acq: 28 Jul 2020 11:11

Tgt Ion: 96 Resp: 110376
Ion Ratio Lower Upper
96 100
61 144.3 115.4 173.0
98 62.3 51.5 77.3





#13

Acrolein

Concen: 220.824 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.00 min

Lab File: VD066072.D

Acq: 28 Jul 2020 11:11

Instrument :

MSVOA_D

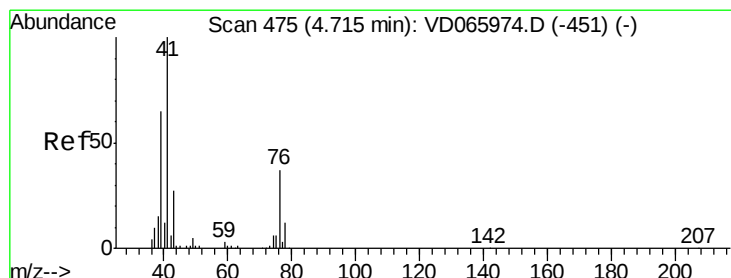
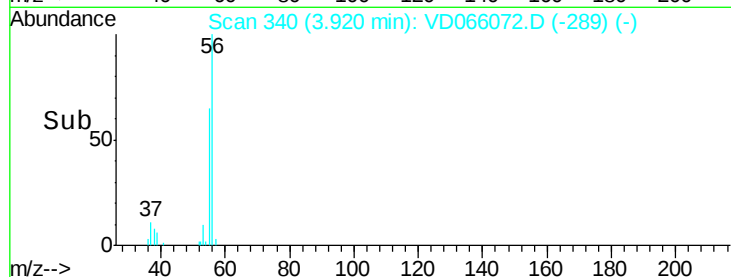
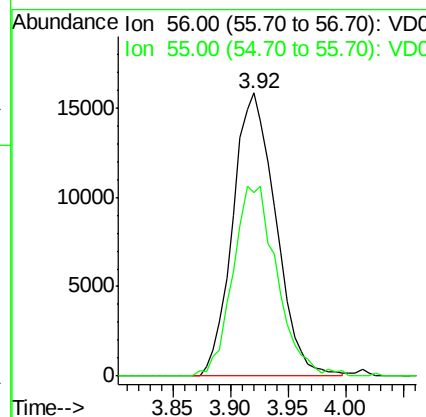
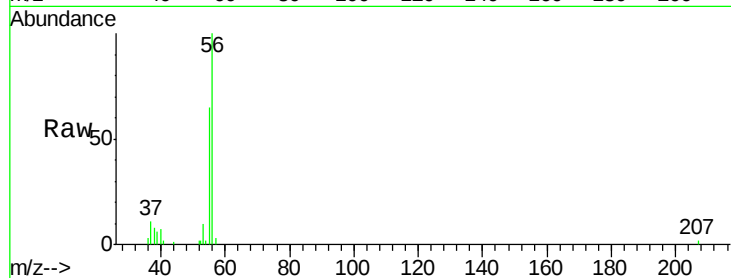
ClientSampleId :

Tot Ion: 56 Resp: 40887

Ion Ratio Lower Upper

56 100

55 68.9 55.8 83.8



#14

Allyl chloride

Concen: 46.457 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD066072.D

Acq: 28 Jul 2020 11:11

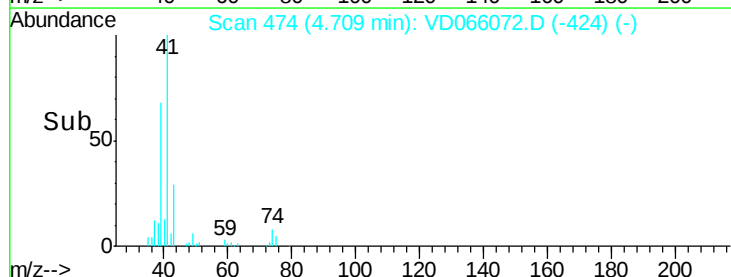
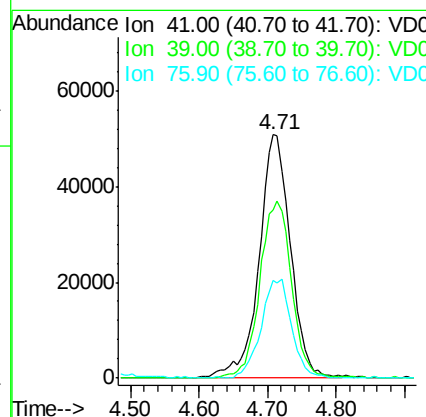
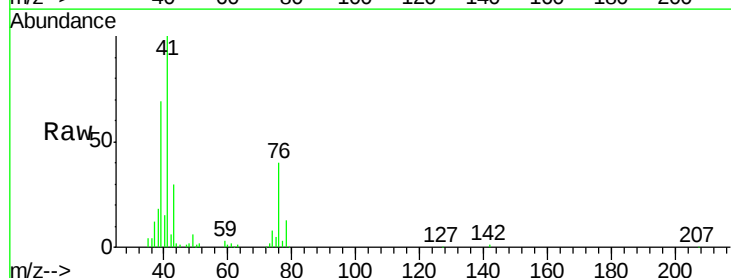
Tgt Ion: 41 Resp: 162169

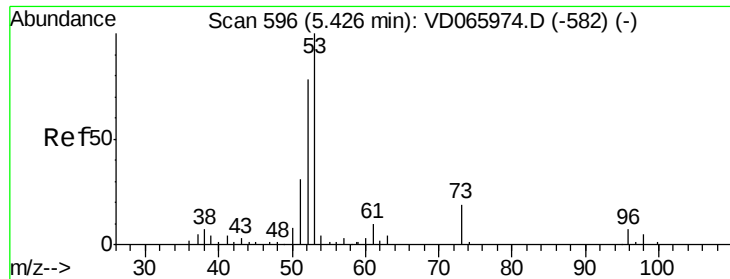
Ion Ratio Lower Upper

41 100

39 73.4 53.4 80.2

76 39.5 29.1 43.7





#15

Acrylonitrile

Concen: 247.763 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD066072.D

Acq: 28 Jul 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

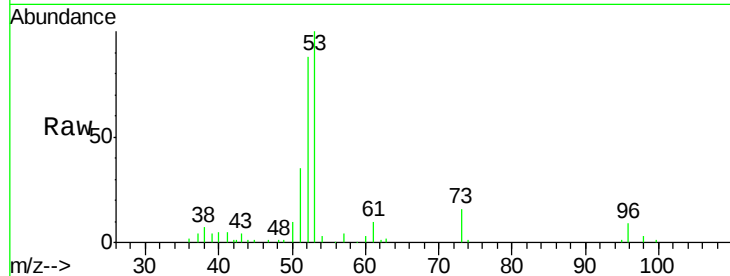
Tot Ion: 53 Resp: 113357

Ion Ratio Lower Upper

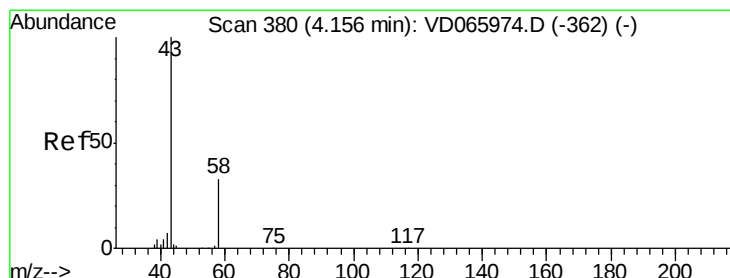
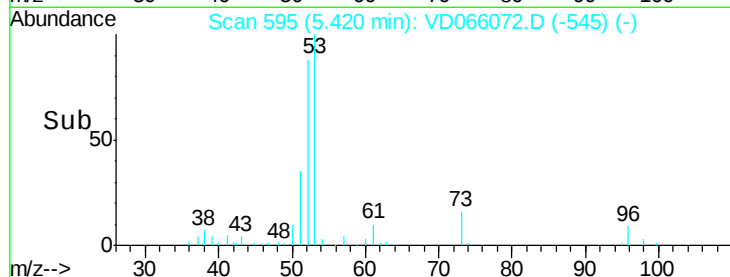
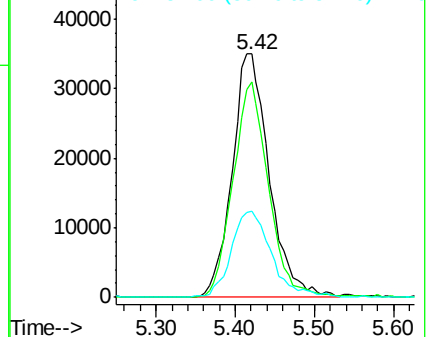
53 100

52 85.1 67.1 100.7

51 38.4 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: 301.292 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD066072.D

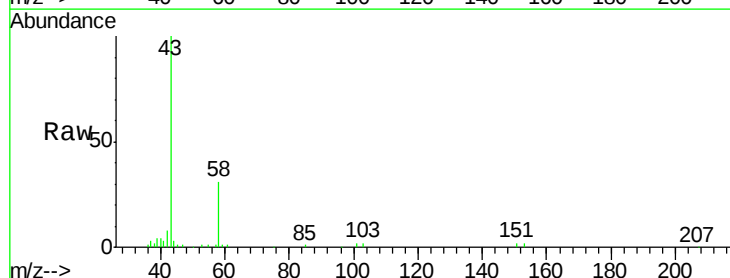
Acq: 28 Jul 2020 11:11

Tgt Ion: 43 Resp: 134025

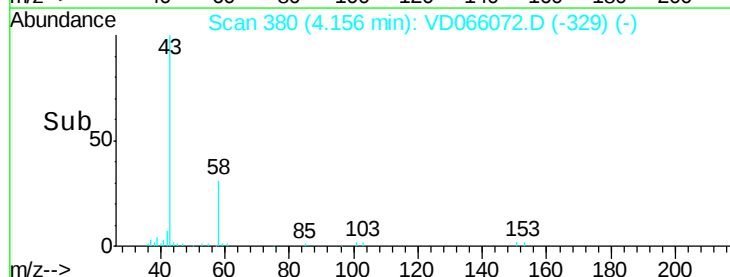
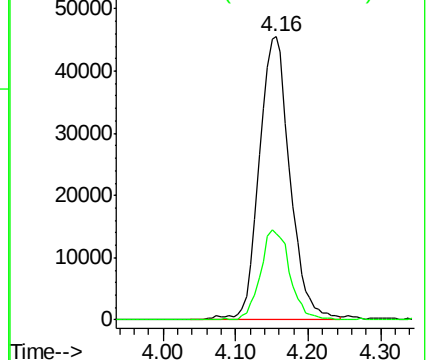
Ion Ratio Lower Upper

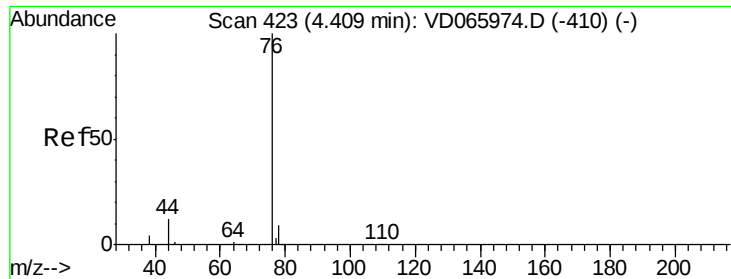
43 100

58 30.7 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: 43.959 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD066072.D

Acq: 28 Jul 2020 11:11

Instrument :

MSVOA_D

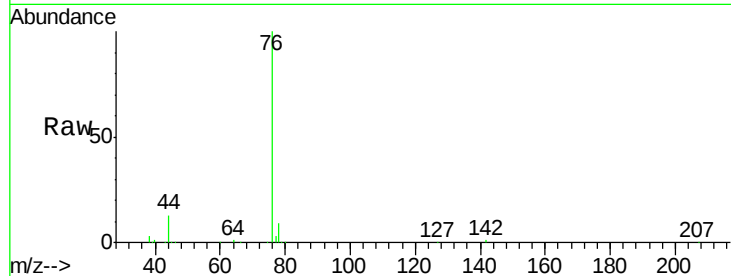
ClientSampleId :

Tot Ion: 76 Resp: 318417

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.41

120000

100000

80000

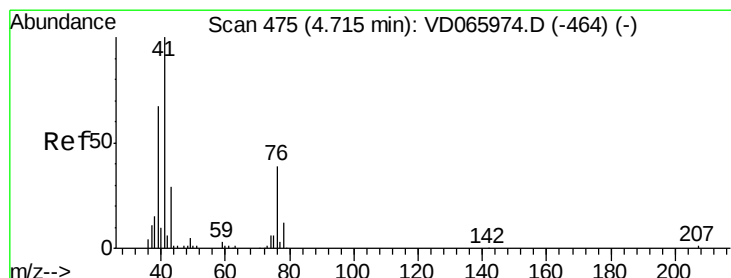
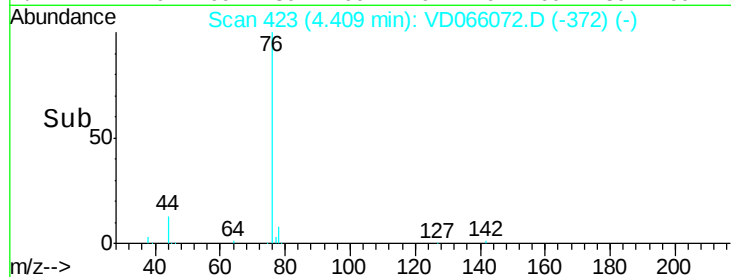
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 45.486 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD066072.D

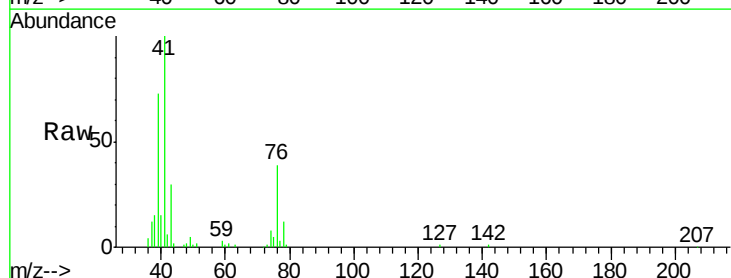
Acq: 28 Jul 2020 11:11

Tgt Ion: 43 Resp: 47070

Ion Ratio Lower Upper

43 100

74 26.2 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.71

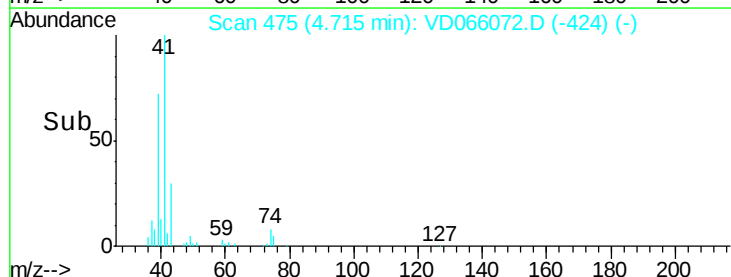
15000

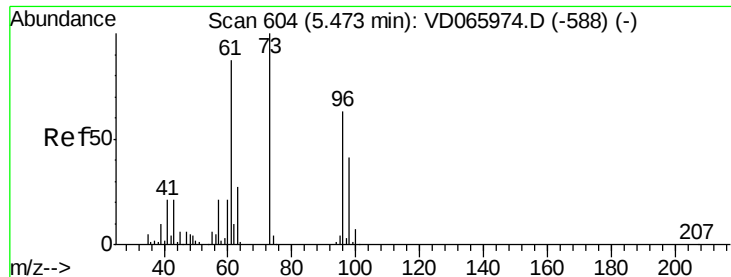
10000

5000

0

Time-->

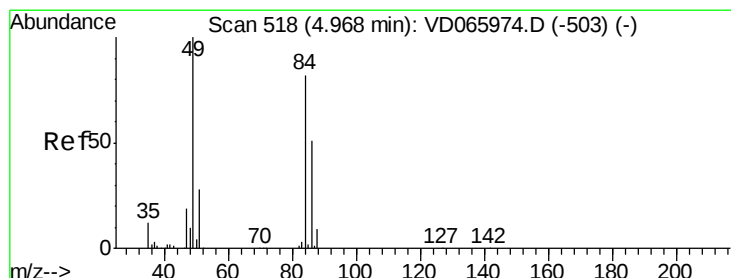
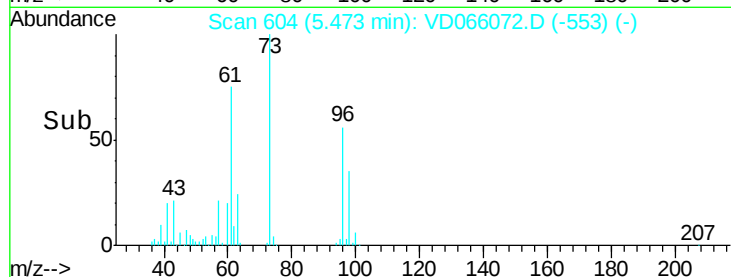
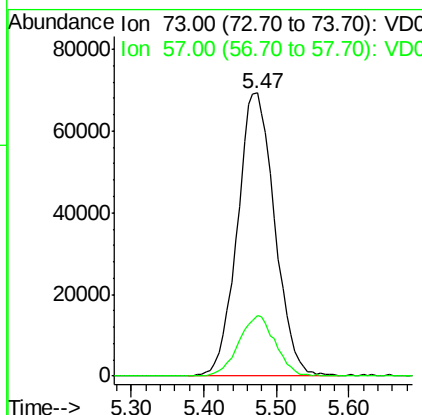
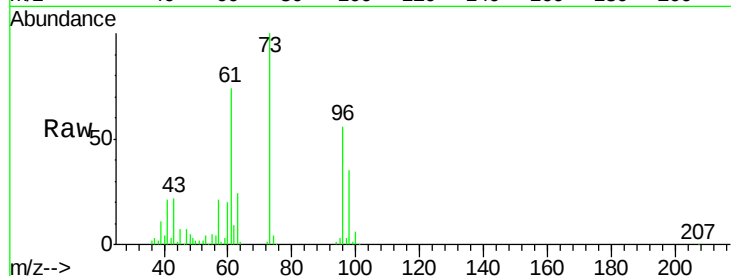




#19
Methyl tert-butyl Ether
Concen: 54.039 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.00 min
Lab File: VD066072.D
Acq: 28 Jul 2020 11:11

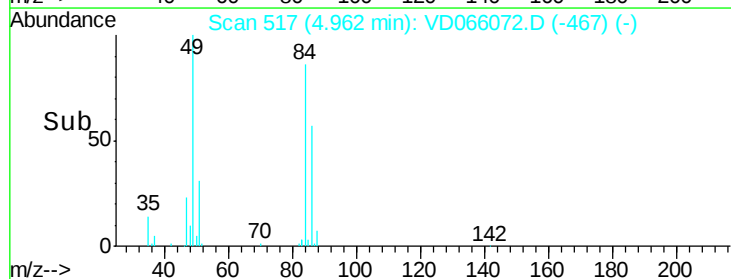
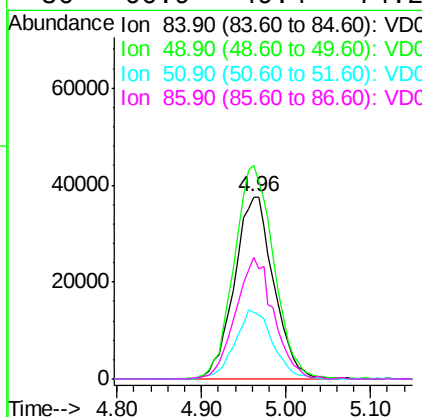
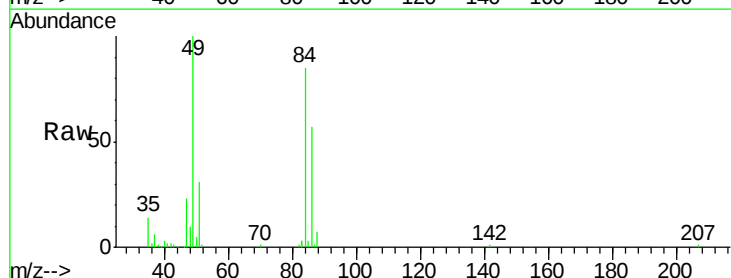
Instrument :
MSVOA_D
ClientSampled :

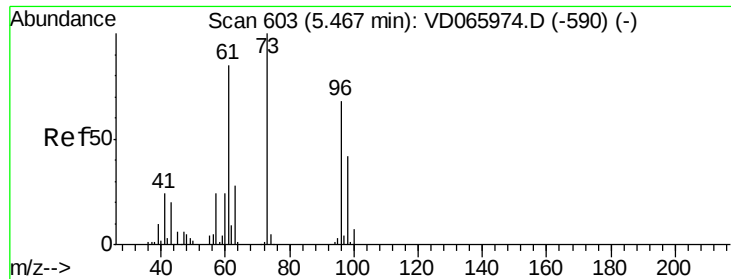
Tot Ion: 73 Resp: 247937
Ion Ratio Lower Upper
73 100
57 21.3 17.0 25.4



#20
Methylene Chloride
Concen: 49.223 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066072.D
Acq: 28 Jul 2020 11:11

Tgt Ion: 84 Resp: 121186
Ion Ratio Lower Upper
84 100
49 116.6 97.7 146.5
51 36.5 27.4 41.2
86 66.9 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 48.367 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD066072.D

Acq: 28 Jul 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

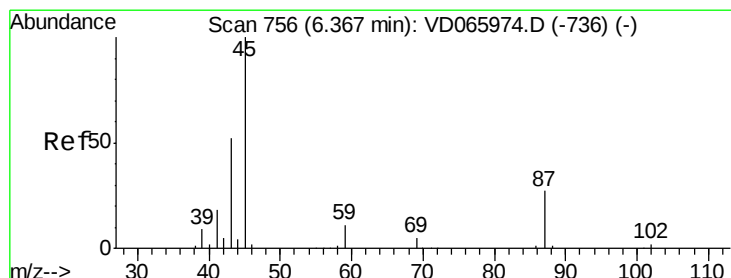
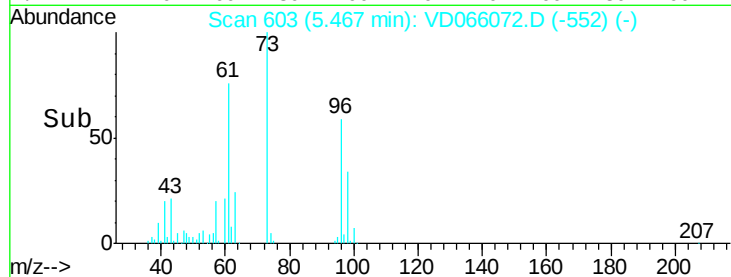
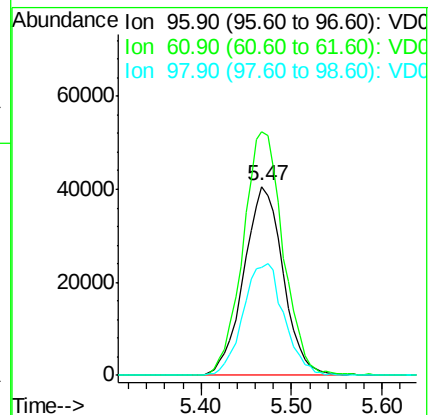
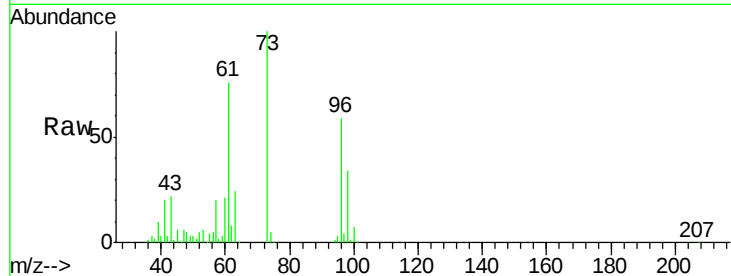
Tot Ion: 96 Resp: 122069

Ion Ratio Lower Upper

96 100

61 128.7 100.5 150.7

98 57.1 49.7 74.5



#22

Diisopropyl ether

Concen: 48.034 ug/l

RT: 6.36 min Scan# 754

Delta R.T. -0.01 min

Lab File: VD066072.D

Acq: 28 Jul 2020 11:11

Tgt Ion: 45 Resp: 318545

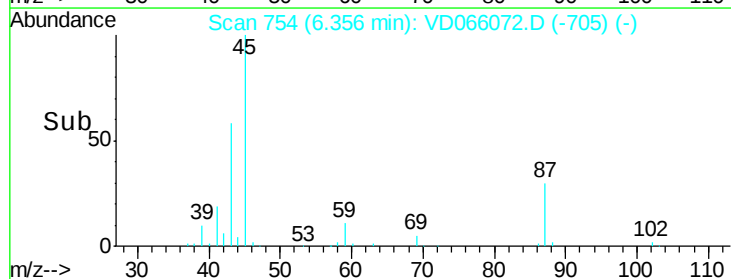
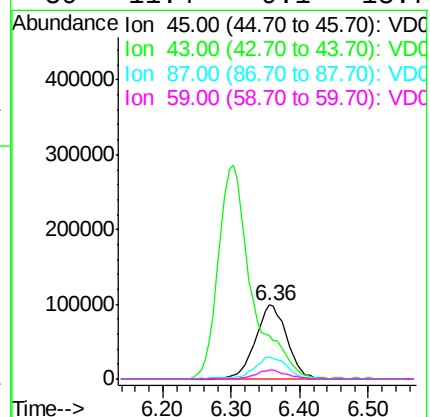
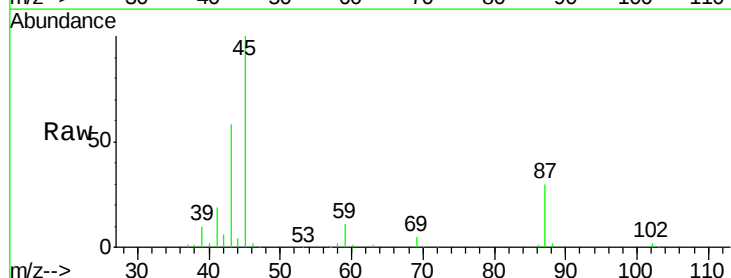
Ion Ratio Lower Upper

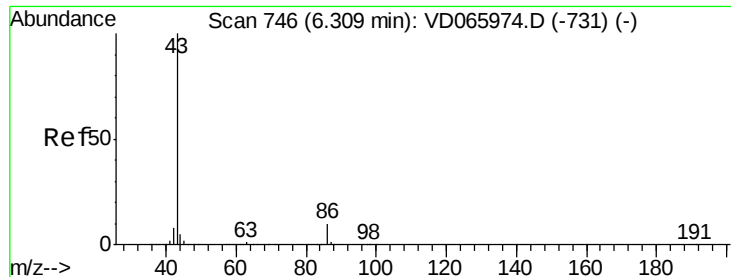
45 100

43 57.4 43.0 64.4

87 29.7 22.0 33.0

59 11.4 9.1 13.7





#23

Vinyl Acetate

Concen: 258.313 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD066072.D

Acq: 28 Jul 2020 11:11

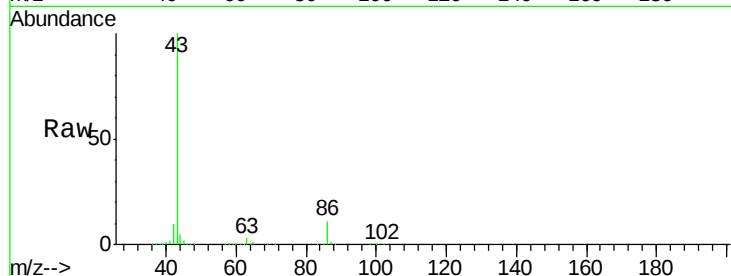
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 966112

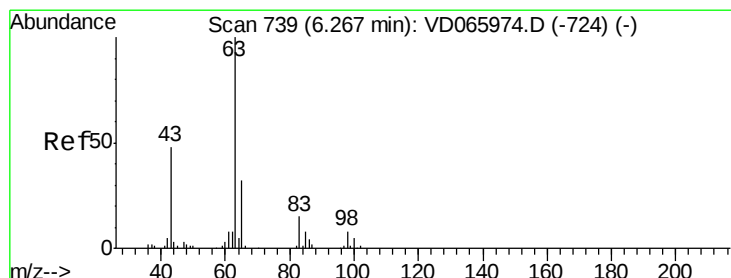
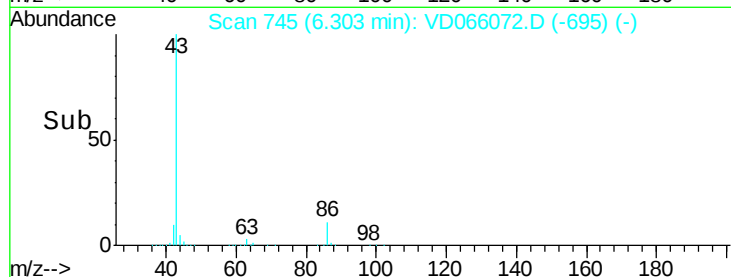
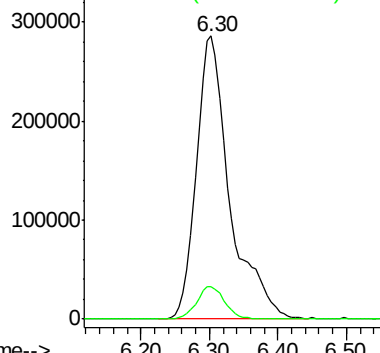
Ion Ratio Lower Upper

43 100

86 11.5 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 49.578 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD066072.D

Acq: 28 Jul 2020 11:11

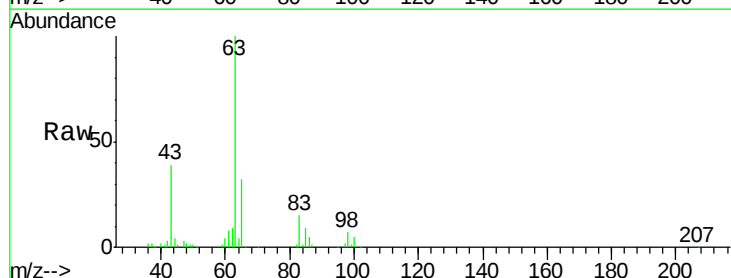
Tgt Ion: 63 Resp: 199216

Ion Ratio Lower Upper

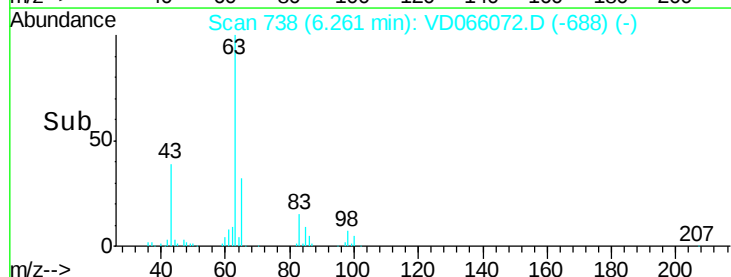
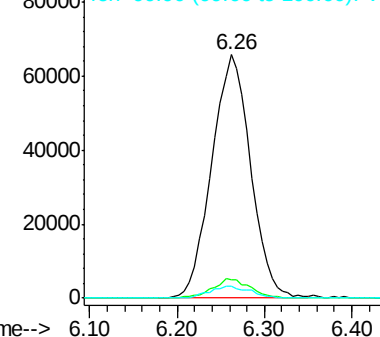
63 100

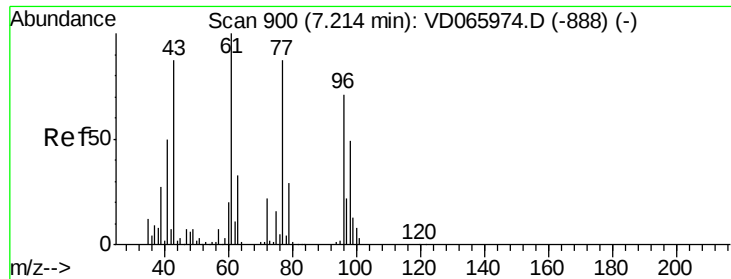
98 7.5 4.3 12.8

100 4.8 2.5 7.5



Abundance Ion 62.90 (62.60 to 63.60): VDC
Ion 97.90 (97.60 to 98.60): VDC
Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 257.190 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD066072.D

Acq: 28 Jul 2020 11:11

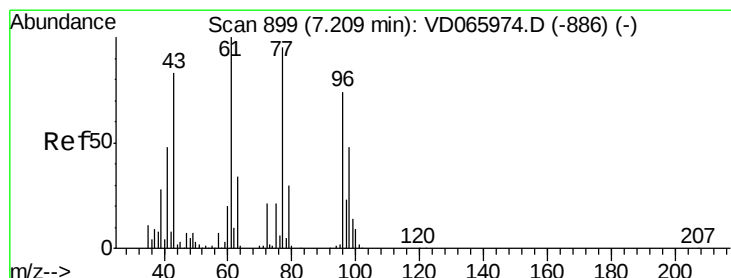
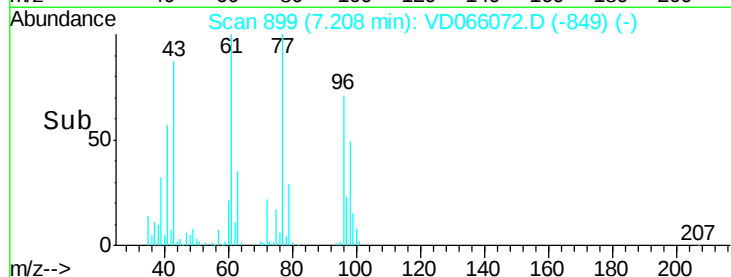
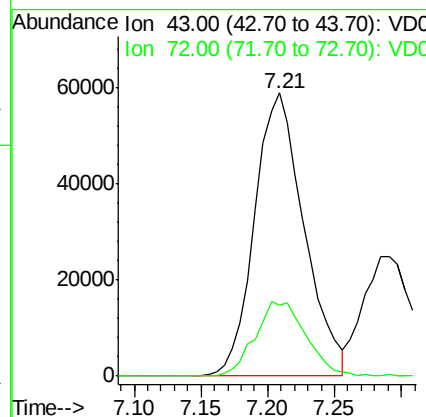
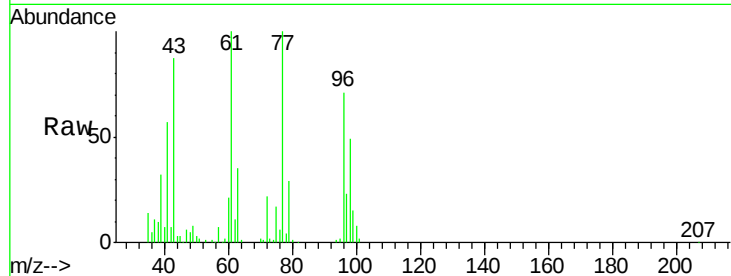
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 151809

Ion Ratio Lower Upper

43 100

72 25.1 20.2 30.2



#26

2,2-Dichloropropane

Concen: 54.662 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066072.D

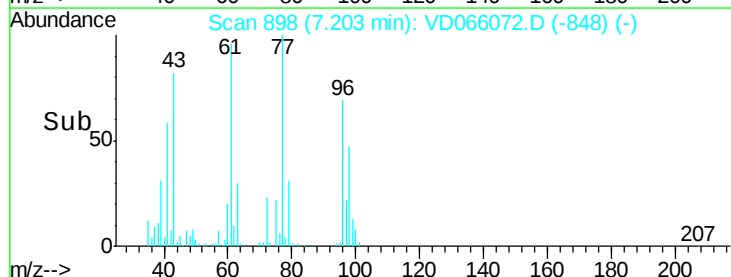
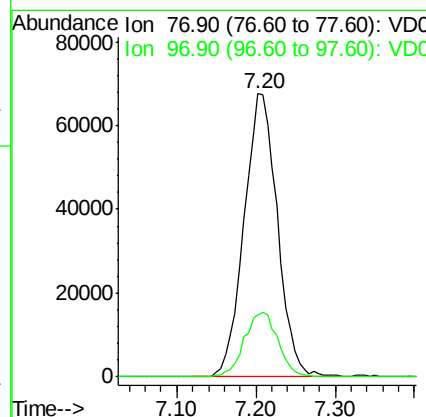
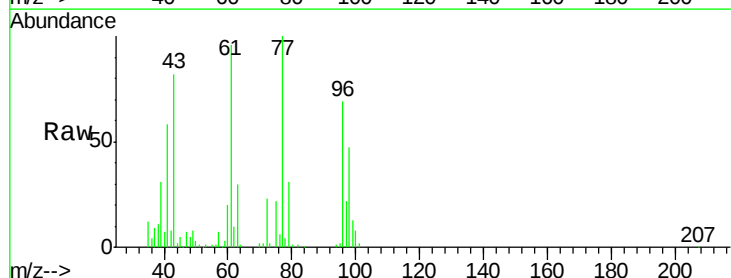
Acq: 28 Jul 2020 11:11

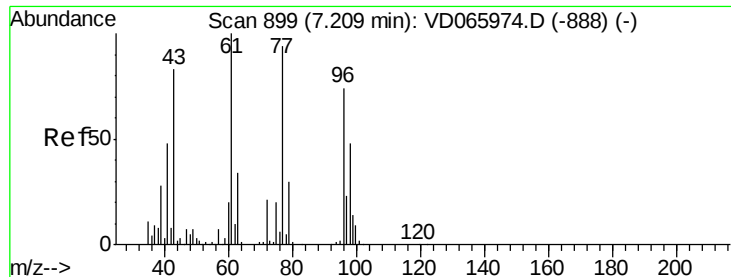
Tgt Ion: 77 Resp: 197515

Ion Ratio Lower Upper

77 100

97 23.1 11.6 34.7



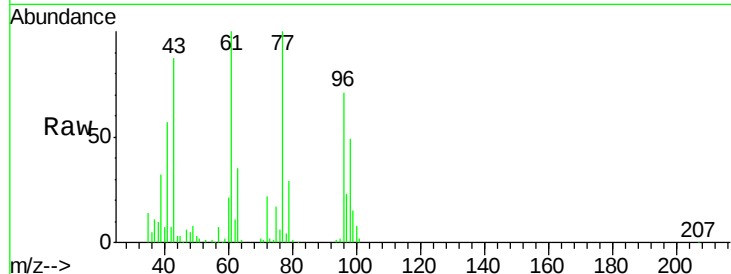


#27

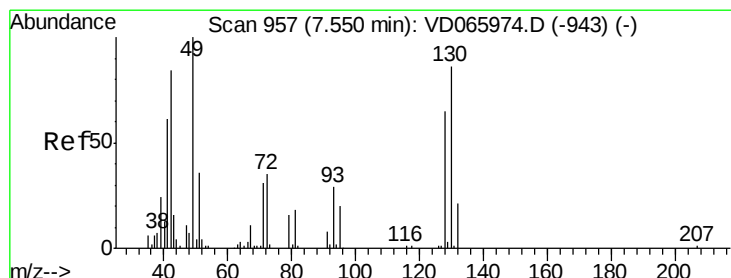
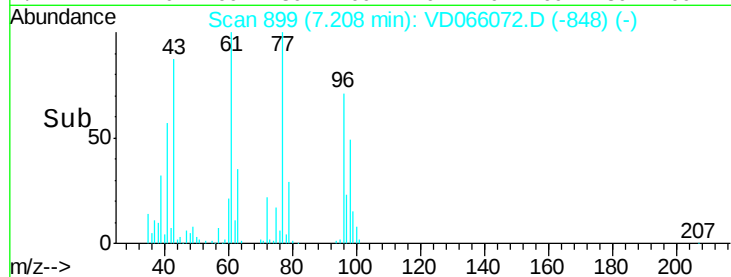
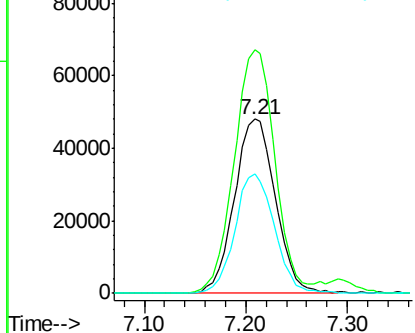
cis-1,2-Dichloroethene
Concen: 50.348 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD066072.D
Acq: 28 Jul 2020 11:11

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	96	Resp	134539
Ion	Ratio	Lower	Upper
96	100		
61	138.7	0.0	276.6
98	66.2	0.0	130.8



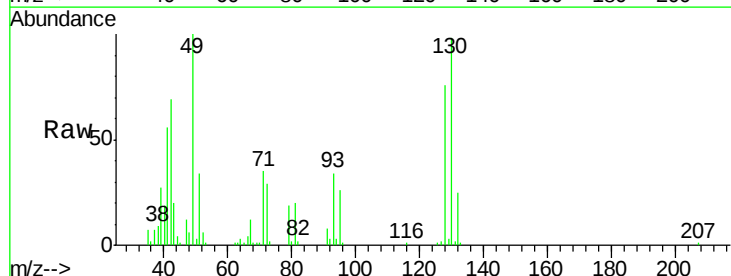
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



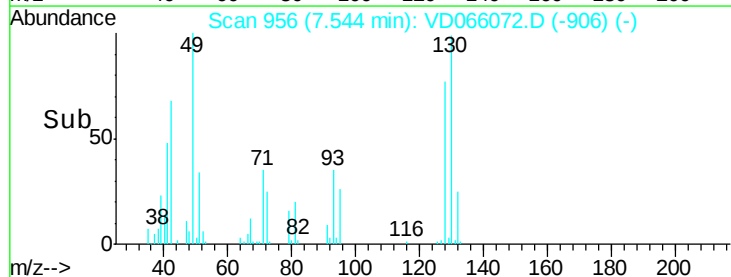
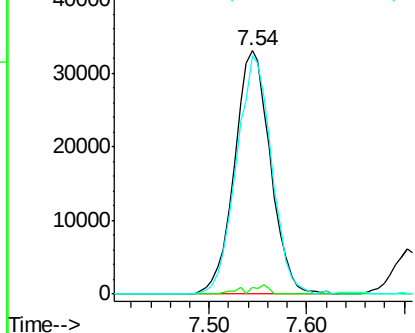
#28

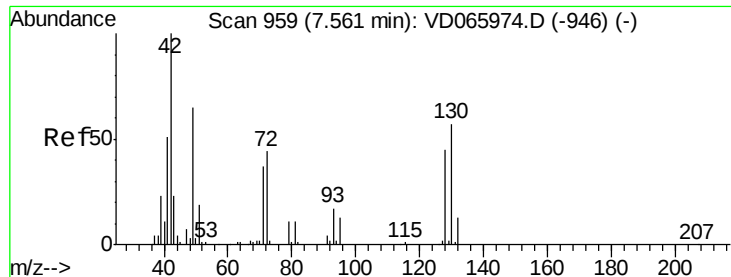
Bromochloromethane
Concen: 49.800 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD066072.D
Acq: 28 Jul 2020 11:11

Tgt Ion	49	Resp	84932
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	4.8
130	96.2	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

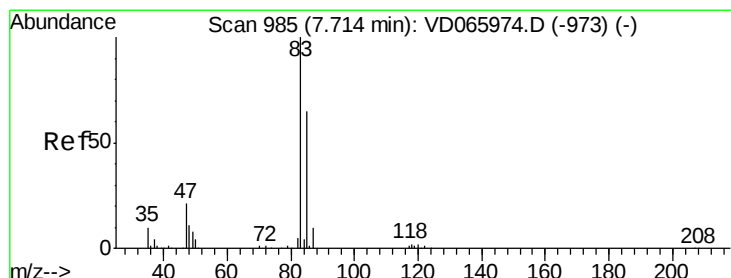
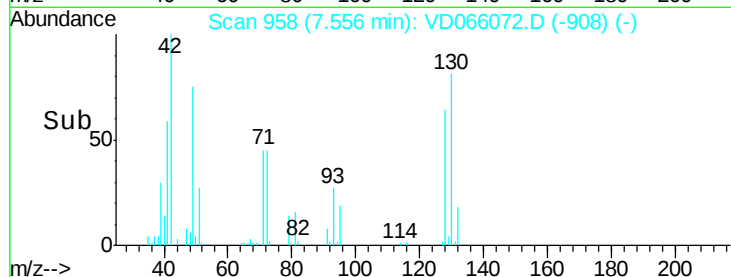
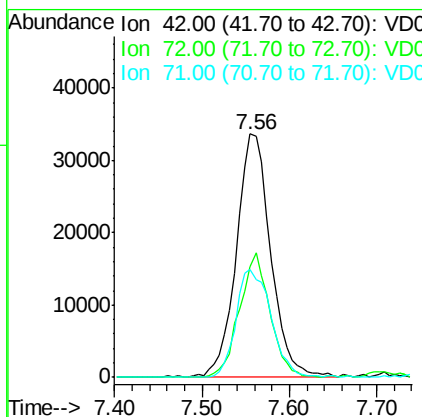
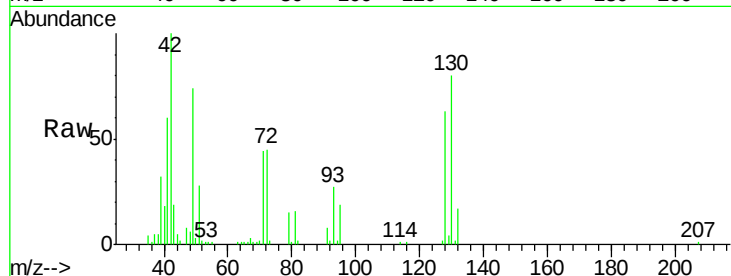




#29
Tetrahydrofuran
Concen: 245.324 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD066072.D
Acq: 28 Jul 2020 11:11

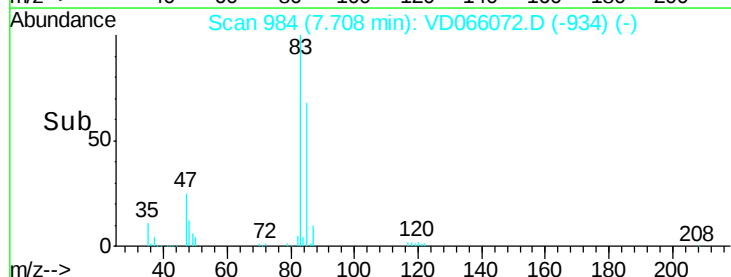
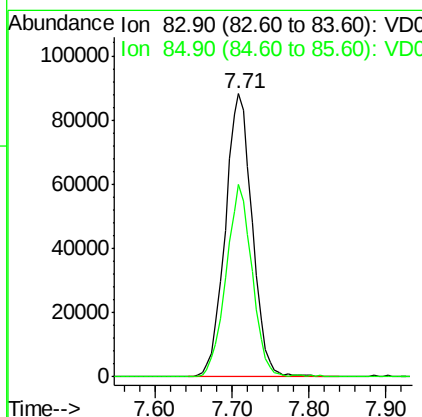
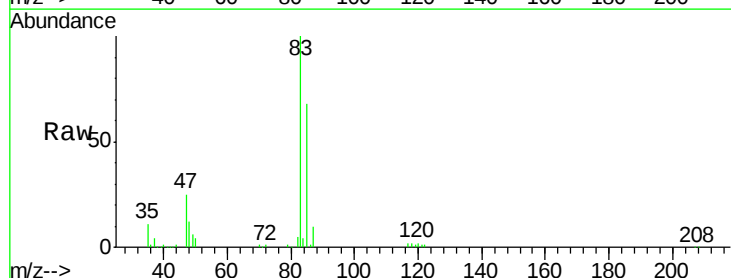
Instrument :
MSVOA_D
ClientSampleId :

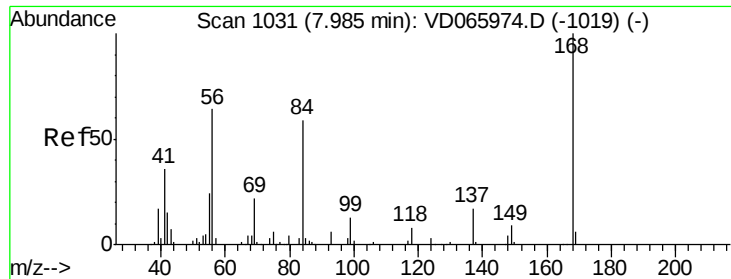
Tot Ion: 42 Resp: 89345
Ion Ratio Lower Upper
42 100
72 45.3 34.2 51.2
71 45.2 31.4 47.2



#30
Chloroform
Concen: 51.257 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD066072.D
Acq: 28 Jul 2020 11:11

Tgt Ion: 83 Resp: 215445
Ion Ratio Lower Upper
83 100
85 68.2 52.1 78.1

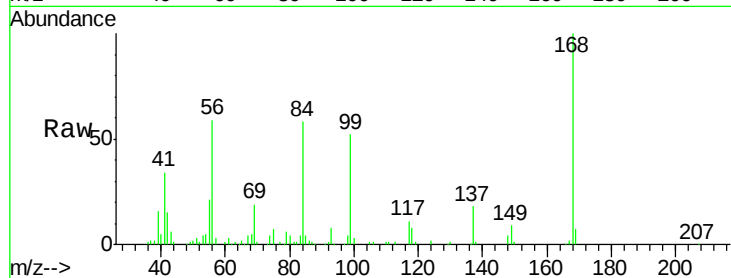




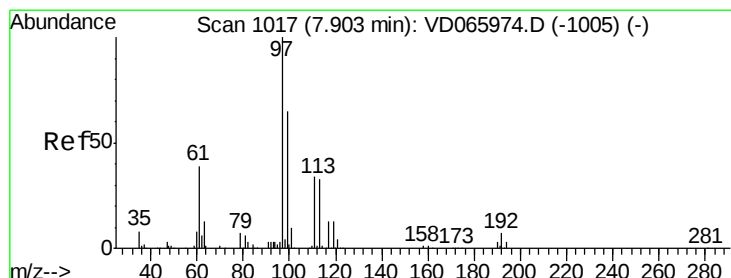
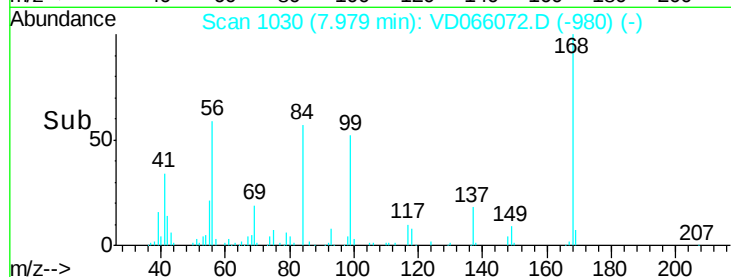
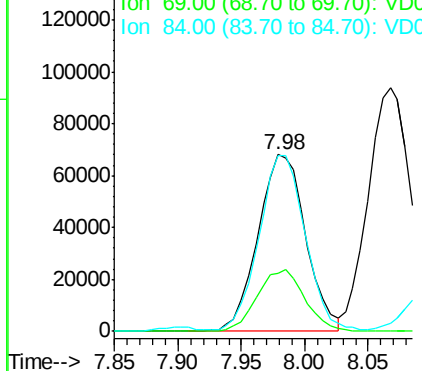
#31
Cyclohexane
Concen: 45.146 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD066072.D
Acq: 28 Jul 2020 11:11

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 178470
Ion Ratio Lower Upper
56 100
69 32.6 28.0 42.0
84 97.2 72.6 109.0

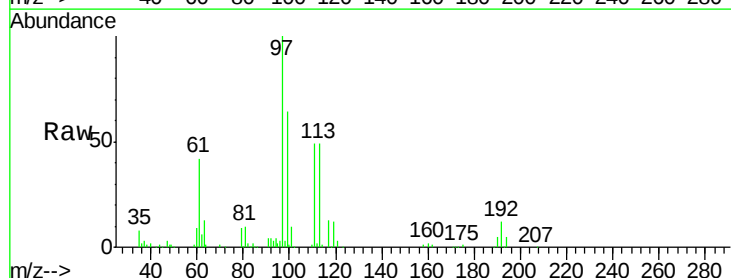


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

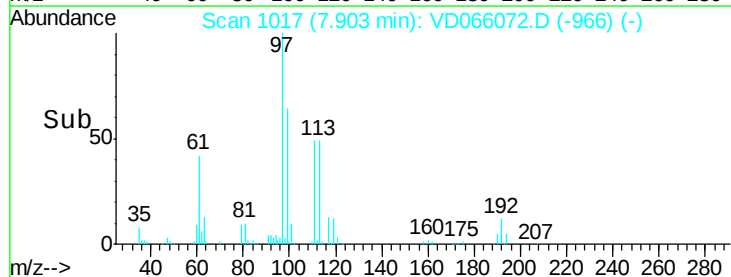
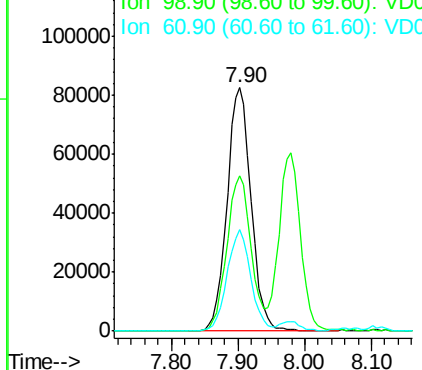


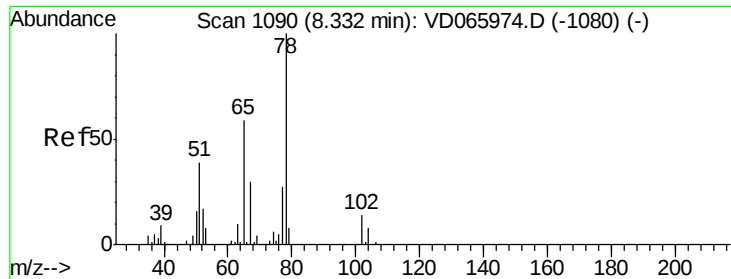
#32
1,1,1-Trichloroethane
Concen: 53.976 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD066072.D
Acq: 28 Jul 2020 11:11

Tgt Ion: 97 Resp: 209855
Ion Ratio Lower Upper
97 100
99 63.8 51.8 77.6
61 40.8 33.3 49.9



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

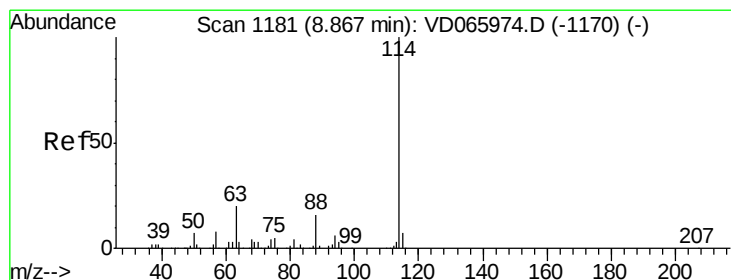
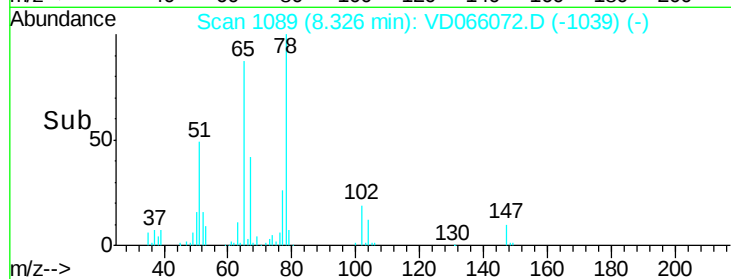
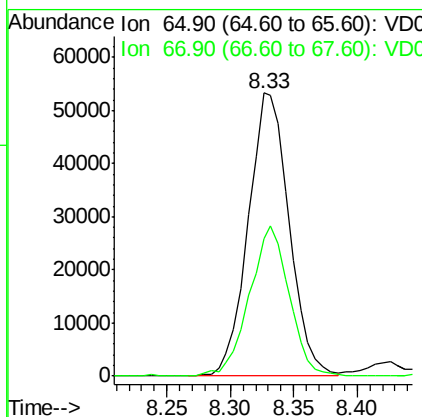
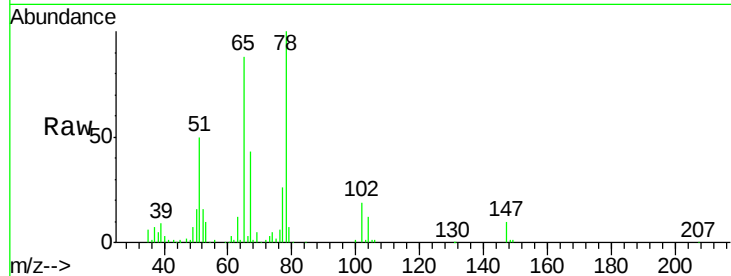




#33
 1,2-Dichloroethane-d4
 Concen: 54.364 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066072.D
 Acq: 28 Jul 2020 11:11

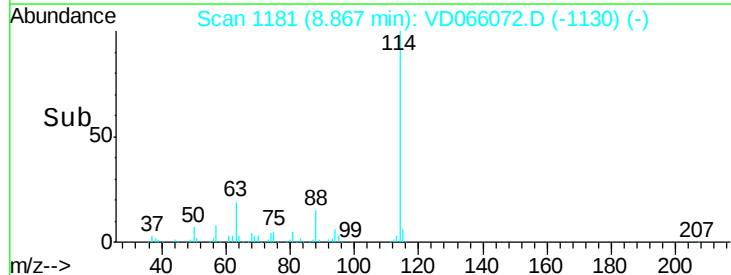
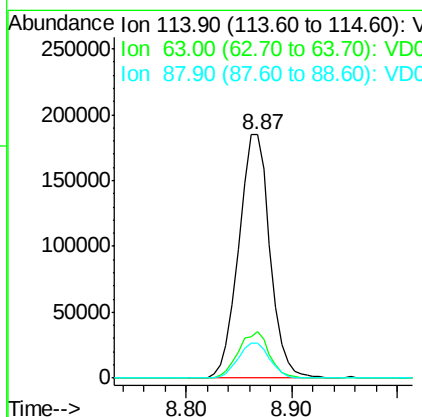
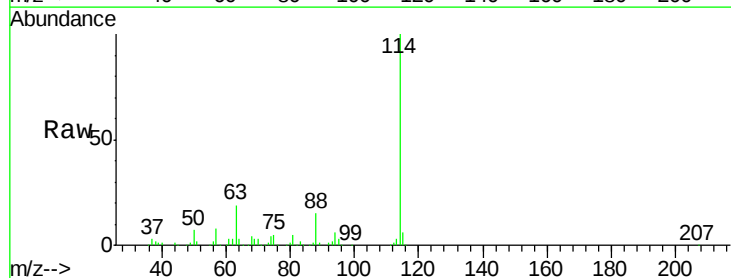
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 65 Resp: 119473
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD066072.D
 Acq: 28 Jul 2020 11:11

Tgt Ion: 114 Resp: 378853
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 39.6
 88 14.6 0.0 31.2

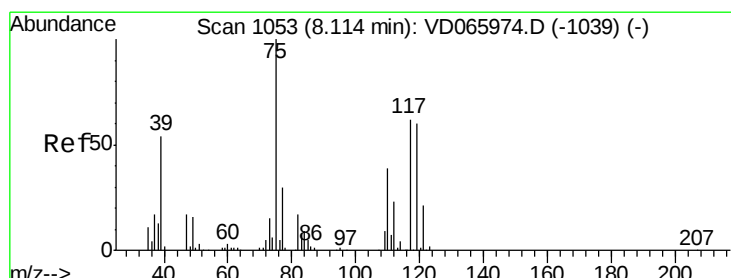
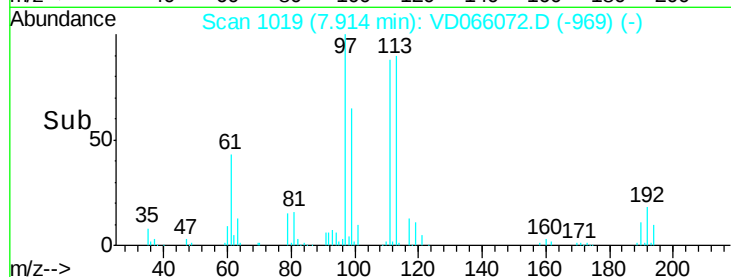
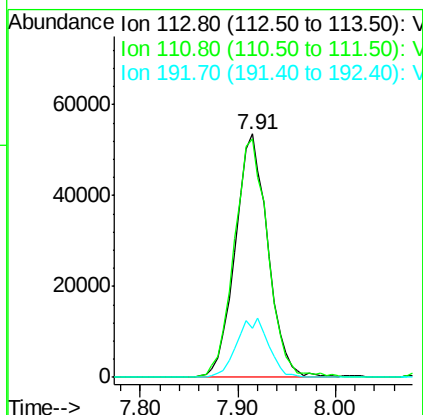
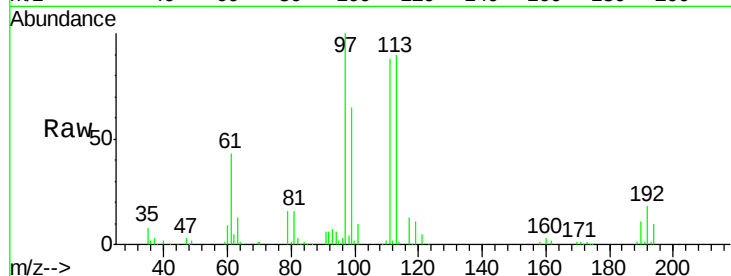




#35
 Dibromofluoromethane
 Concen: 54.316 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD066072.D
 Acq: 28 Jul 2020 11:11

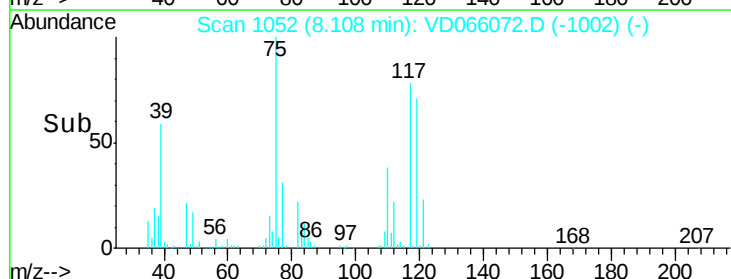
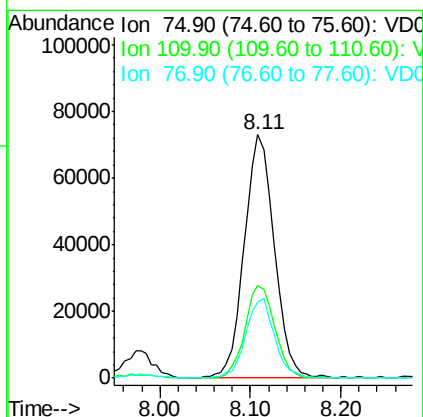
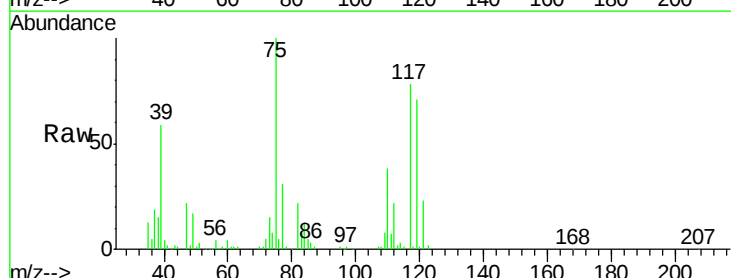
Instrument :
 MSVOA_D
 ClientSampleId :

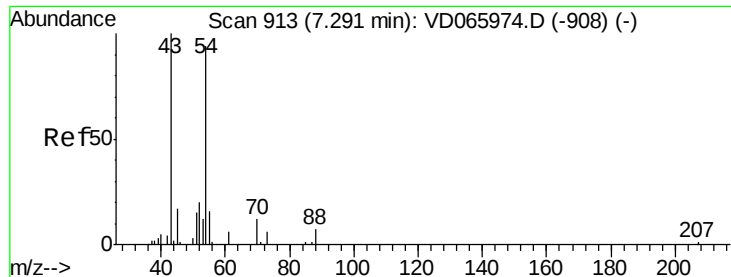
Tot Ion:113 Resp: 124810
 Ion Ratio Lower Upper
 113 100
 111 101.4 83.2 124.8
 192 23.7 18.7 28.1



#36
 1,1-Dichloropropene
 Concen: 52.200 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD066072.D
 Acq: 28 Jul 2020 11:11

Tgt Ion: 75 Resp: 168780
 Ion Ratio Lower Upper
 75 100
 110 37.7 19.5 58.5
 77 31.4 24.7 37.1

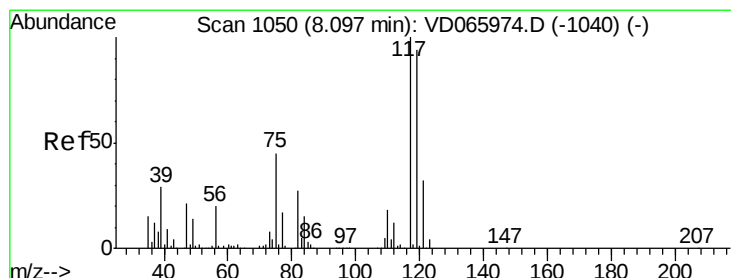
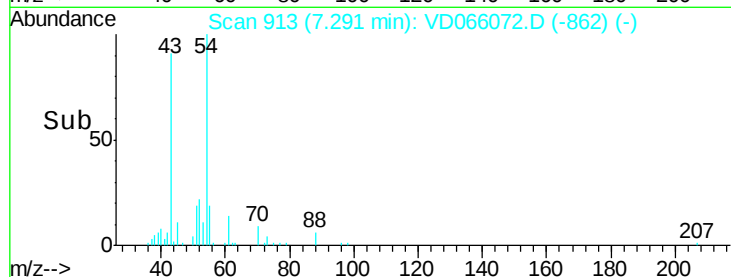
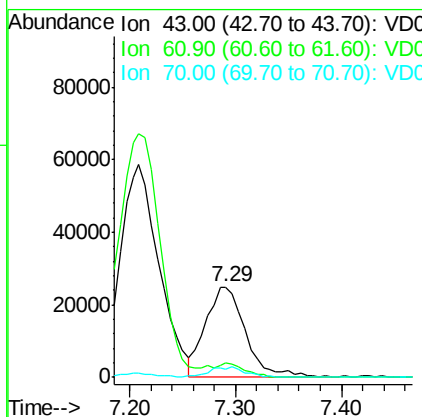
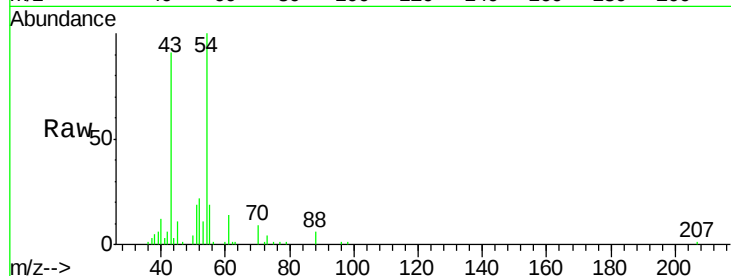




#37
Ethyl Acetate
Concen: 52.201 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD066072.D
Acq: 28 Jul 2020 11:11

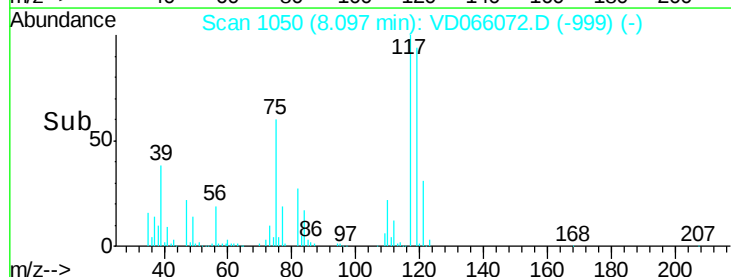
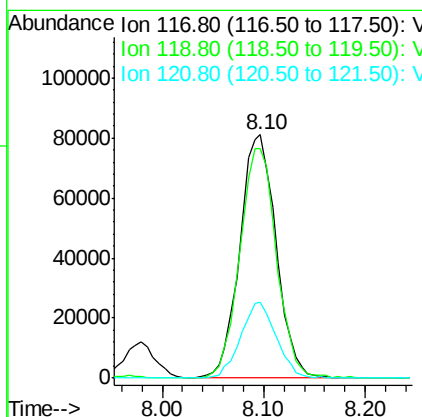
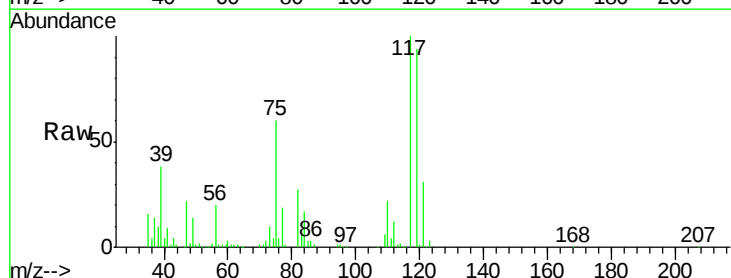
Instrument :
MSVOA_D
ClientSampleId :

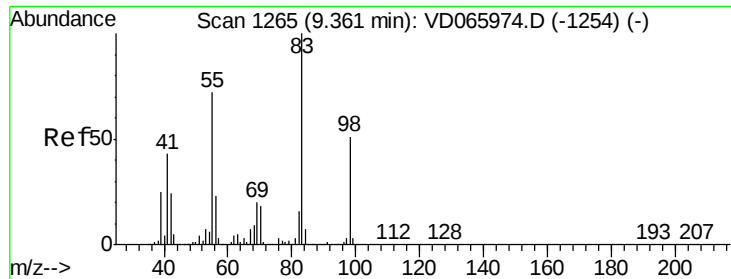
Tot Ion: 43 Resp: 64458
Ion Ratio Lower Upper
43 100
61 10.6 11.4 17.0#
70 10.5 9.3 13.9



#38
Carbon Tetrachloride
Concen: 57.153 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD066072.D
Acq: 28 Jul 2020 11:11

Tgt Ion: 117 Resp: 200509
Ion Ratio Lower Upper
117 100
119 94.5 75.0 112.6
121 31.3 25.5 38.3

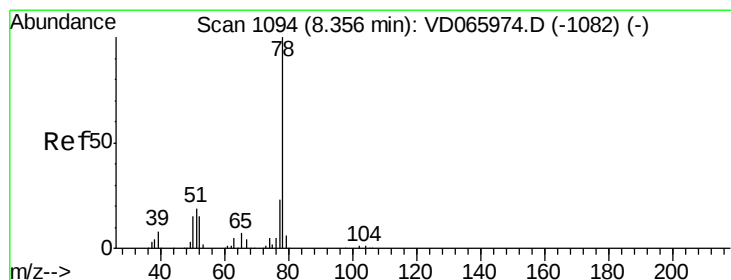
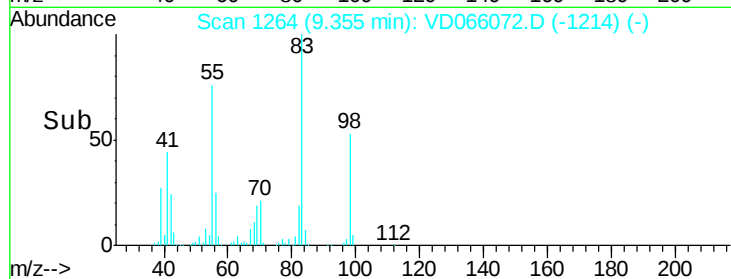
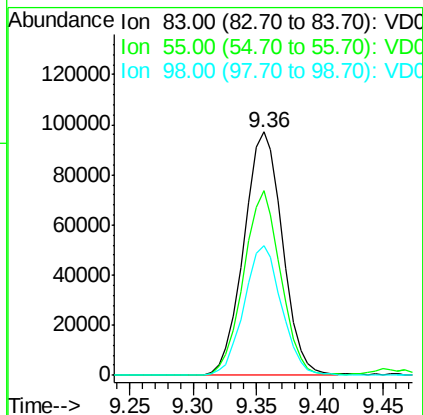
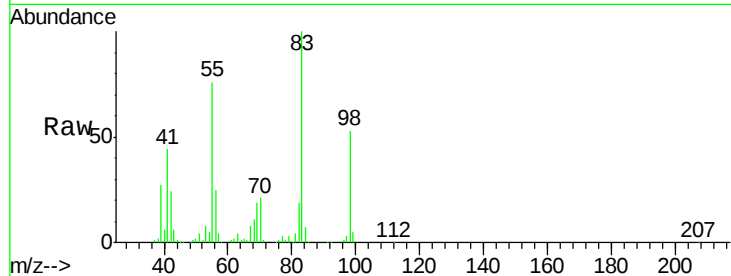




#39
Methvlcvclohexane
Concen: 52.509 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD066072.D
Acq: 28 Jul 2020 11:11

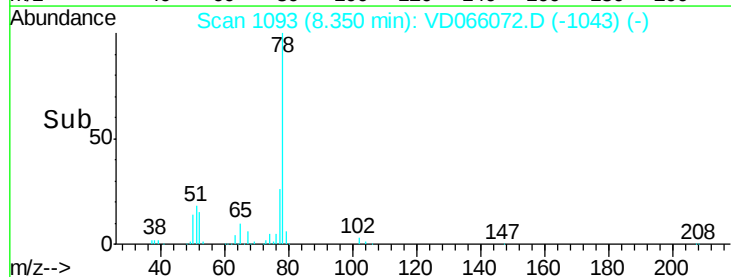
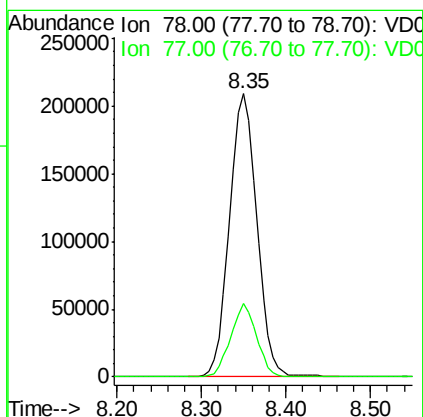
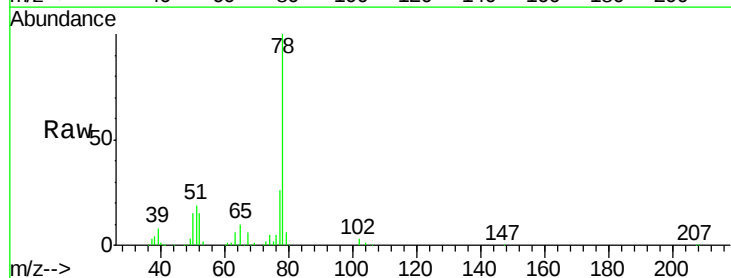
Instrument :
MSVOA_D
ClientSampleId :

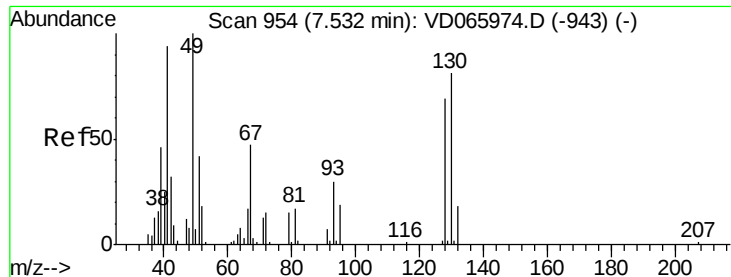
Tot Ion: 83 Resp: 205602
Ion Ratio Lower Upper
83 100
55 76.0 57.3 85.9
98 53.2 41.0 61.6



#40
Benzene
Concen: 51.707 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD066072.D
Acq: 28 Jul 2020 11:11

Tgt Ion: 78 Resp: 467731
Ion Ratio Lower Upper
78 100
77 25.7 18.6 27.8

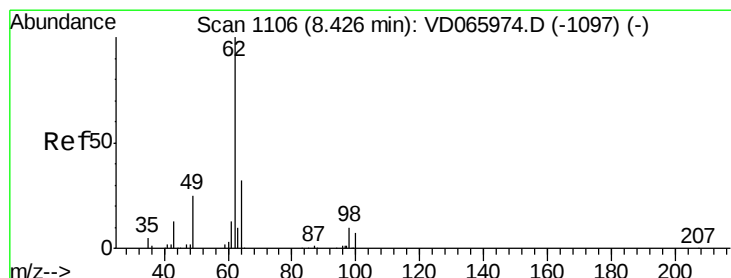
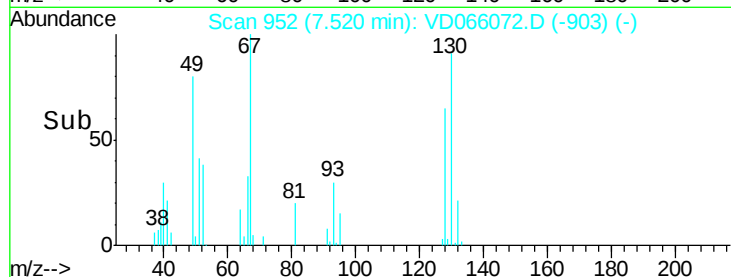
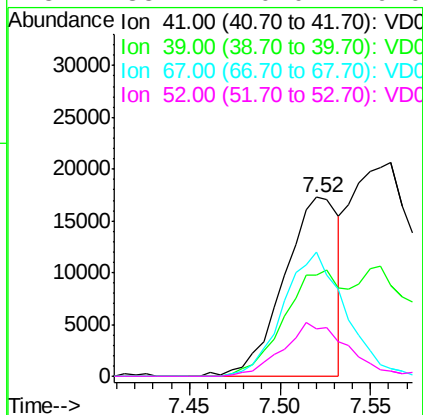
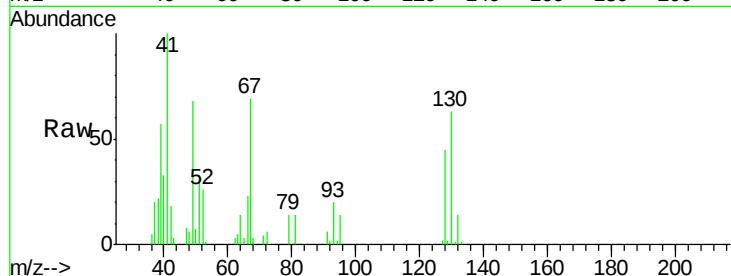




#41
Methacrylonitrile
Concen: 51.249 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD066072.D
Acq: 28 Jul 2020 11:11

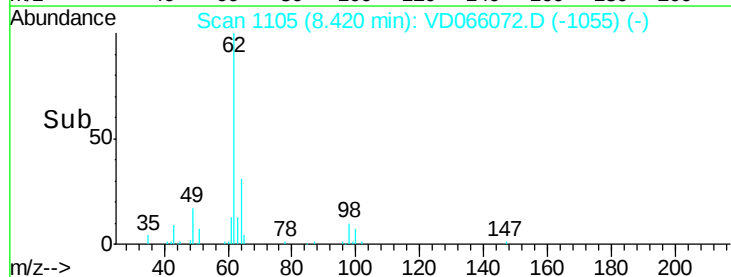
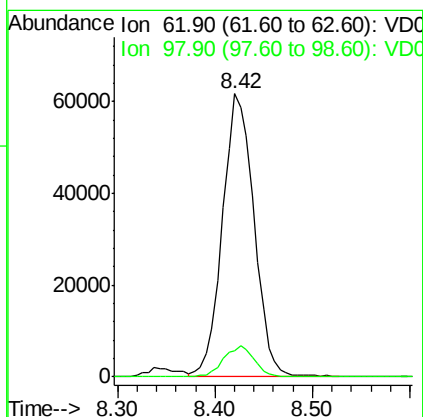
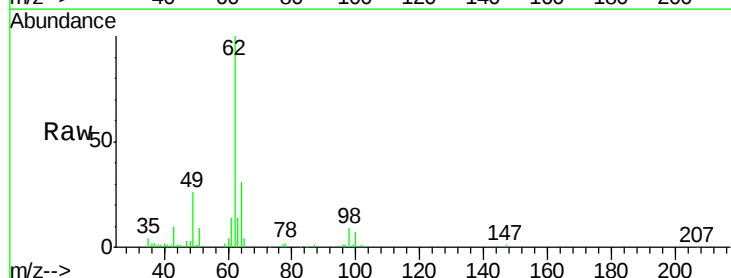
Instrument :
MSVOA_D
ClientSampleId :

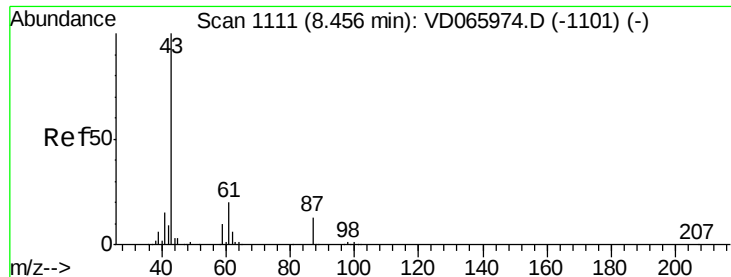
Tot Ion: 41 Resp: 36252
Ion Ratio Lower Upper
41 100
39 66.4 0.0 0.0#
67 79.7 0.0 0.0#
52 35.7 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 55.989 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VD066072.D
Acq: 28 Jul 2020 11:11

Tgt Ion: 62 Resp: 138782
Ion Ratio Lower Upper
62 100
98 10.4 0.0 21.0





#43

Isopropyl Acetate

Concen: 53.692 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD066072.D

Acq: 28 Jul 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

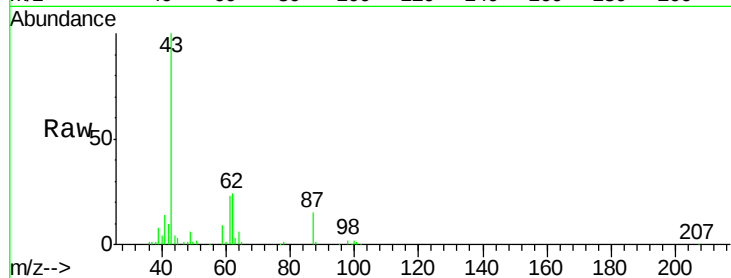
Tot Ion: 43 Resp: 129492

Ion Ratio Lower Upper

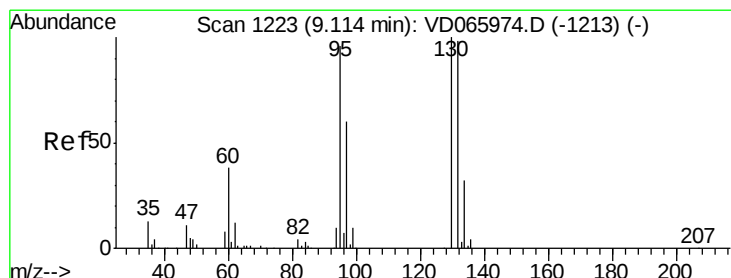
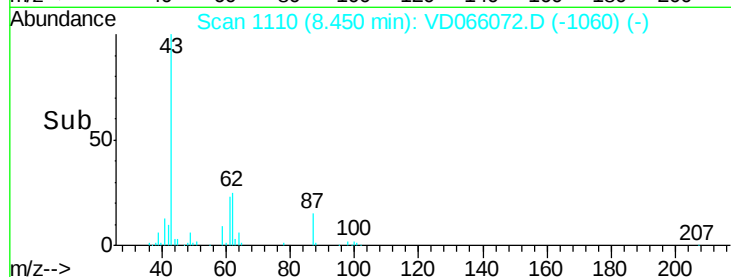
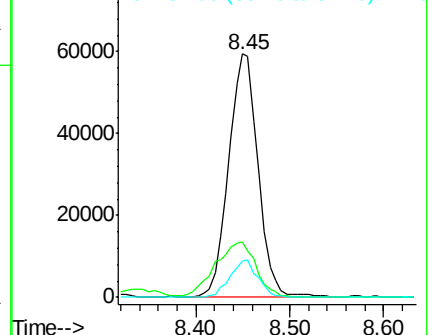
43 100

61 31.8 25.8 38.8

87 14.4 10.9 16.3



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 52.804 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD066072.D

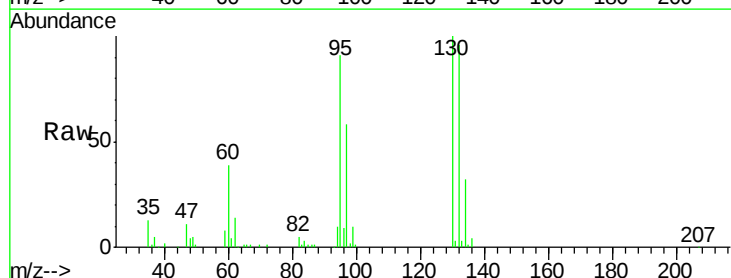
Acq: 28 Jul 2020 11:11

Tgt Ion: 130 Resp: 144543

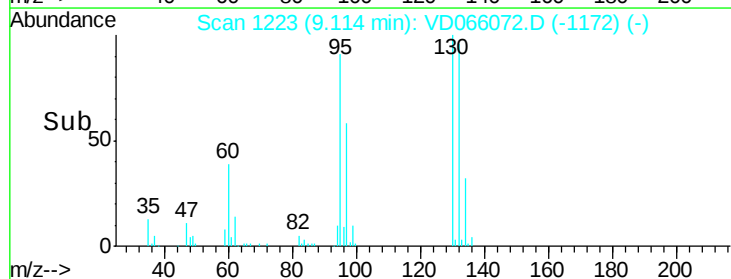
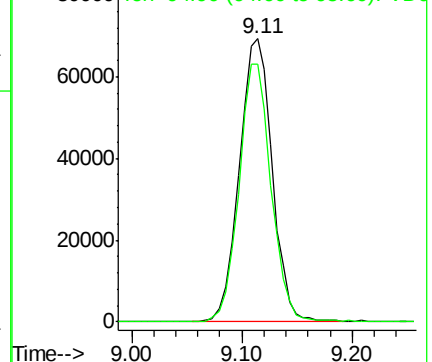
Ion Ratio Lower Upper

130 100

95 90.9 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: 50.359 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD066072.D

Acq: 28 Jul 2020 11:11

Instrument :

MSVOA_D

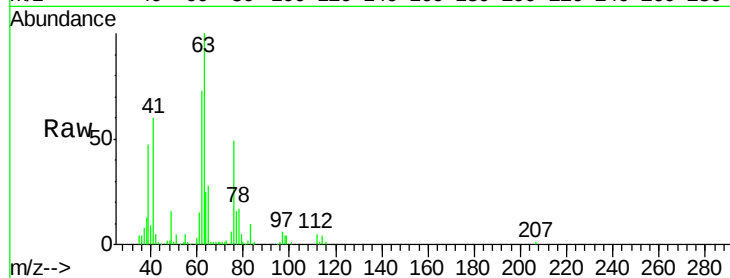
ClientSampleId :

Tot Ion: 63 Resp: 110328

Ion Ratio Lower Upper

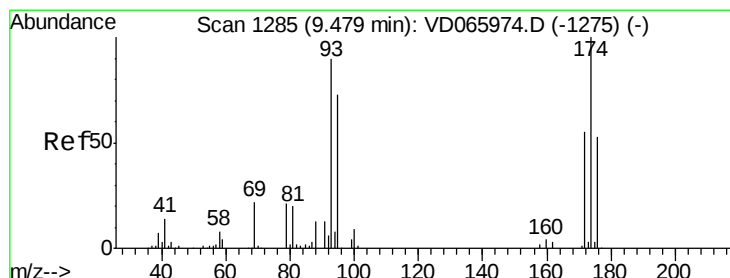
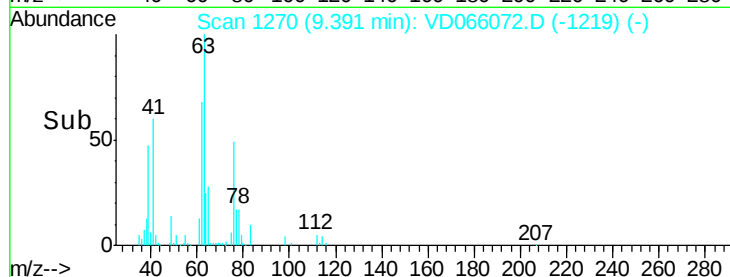
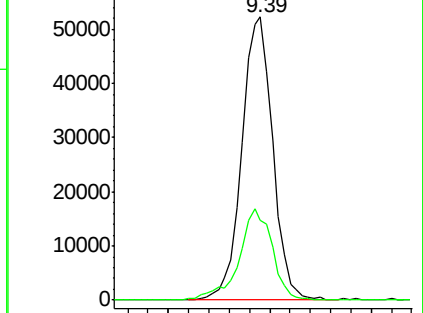
63 100

65 28.3 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: 53.343 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD066072.D

Acq: 28 Jul 2020 11:11

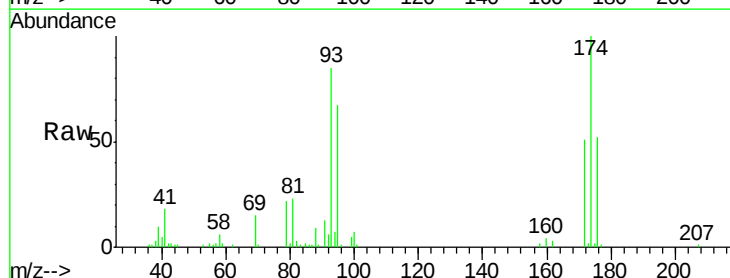
Tgt Ion: 93 Resp: 62912

Ion Ratio Lower Upper

93 100

95 87.0 66.2 99.4

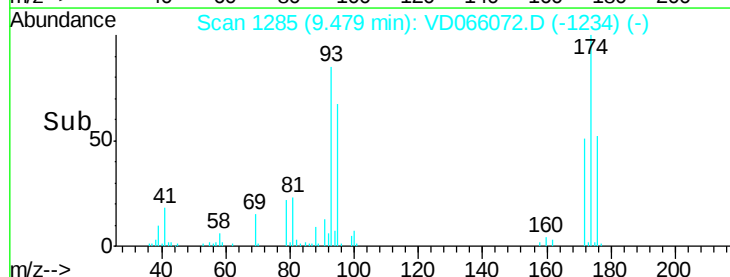
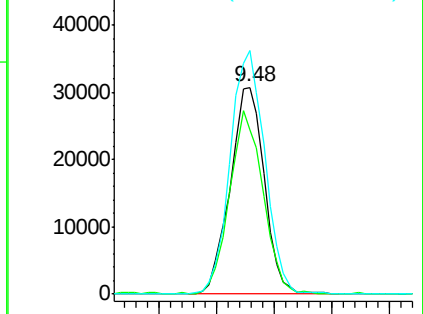
174 120.0 91.5 137.3

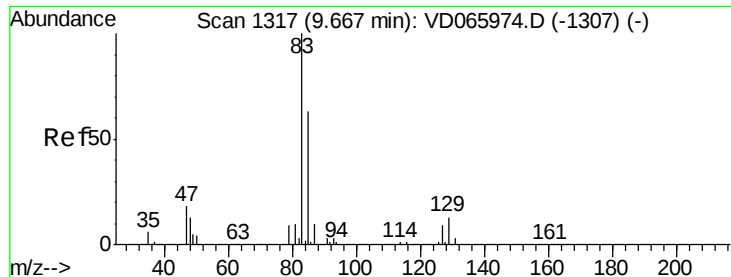


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 53.557 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD066072.D

Acq: 28 Jul 2020 11:11

Instrument :

MSVOA_D

ClientSampled :

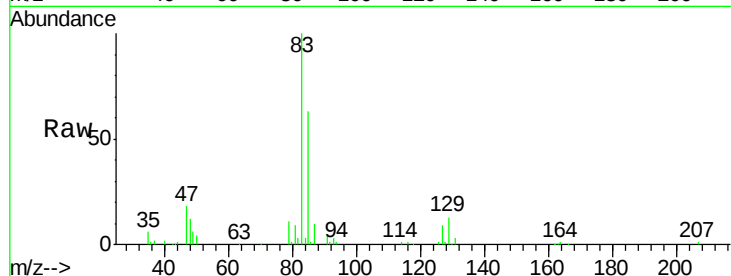
Tot Ion: 83 Resp: 167013

Ion Ratio Lower Upper

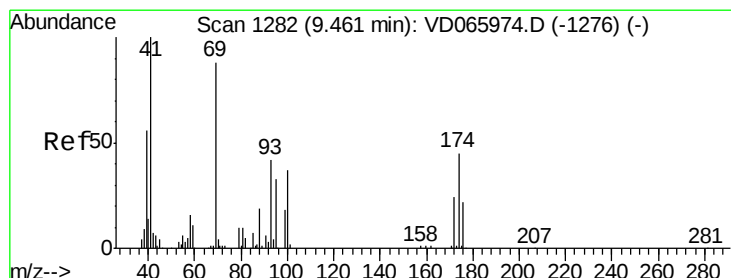
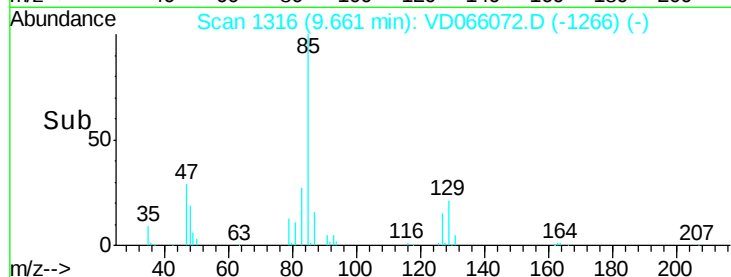
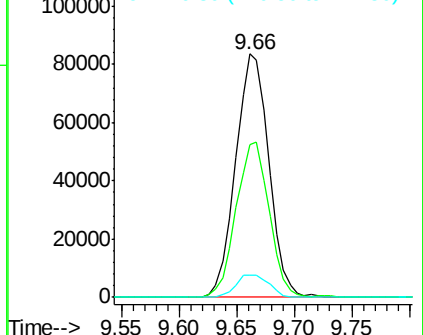
83 100

85 62.5 50.6 75.8

127 9.2 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: 51.010 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD066072.D

Acq: 28 Jul 2020 11:11

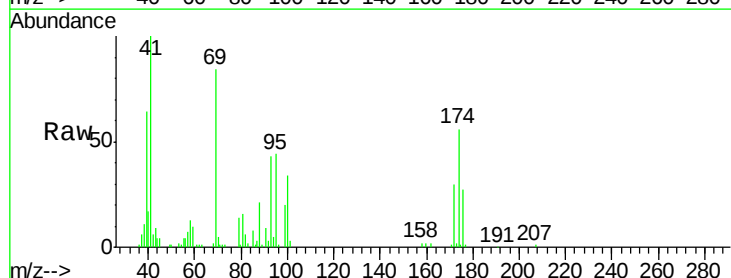
Tgt Ion: 41 Resp: 62056

Ion Ratio Lower Upper

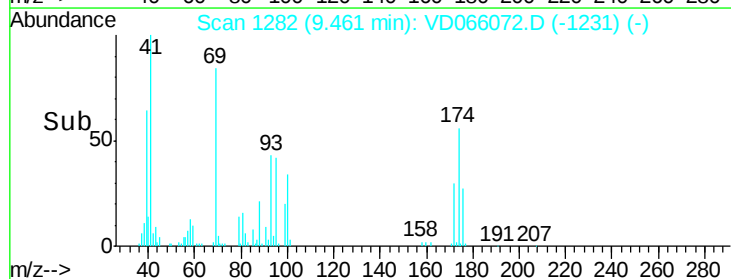
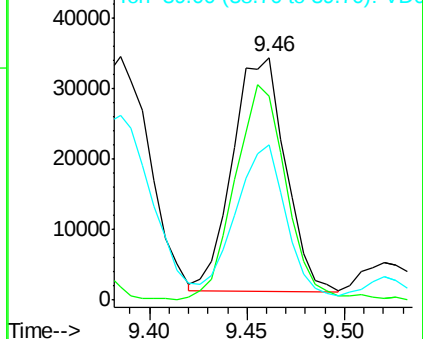
41 100

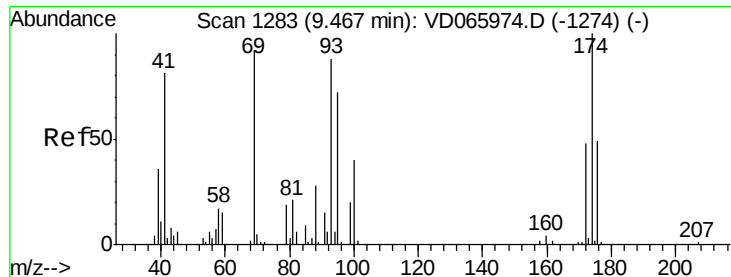
69 90.8 65.1 97.7

39 60.6 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

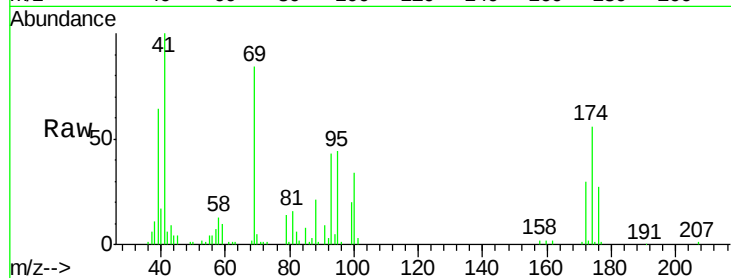




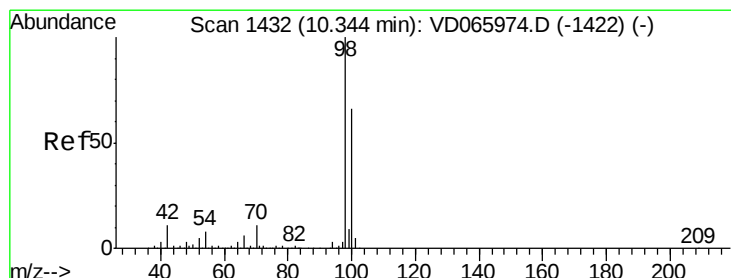
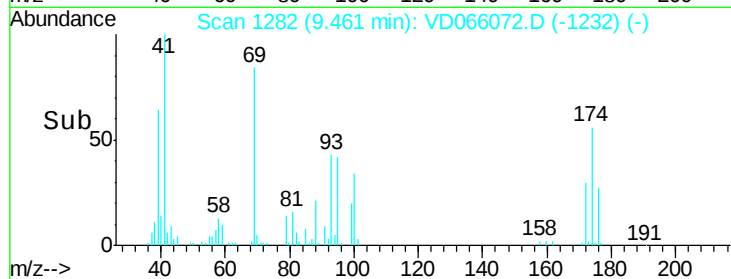
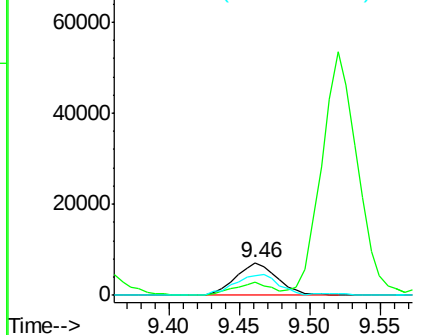
#49
 1,4-Dioxane
 Concen: 1081.256 ug/l
 RT: 9.46 min Scan# 1282
 Delta R.T. -0.01 min
 Lab File: VD066072.D
 Acq: 28 Jul 2020 11:11

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 88 Resp: 14774
 Ion Ratio Lower Upper
 88 100
 43 35.1 29.0 43.6
 58 68.7 57.0 85.4

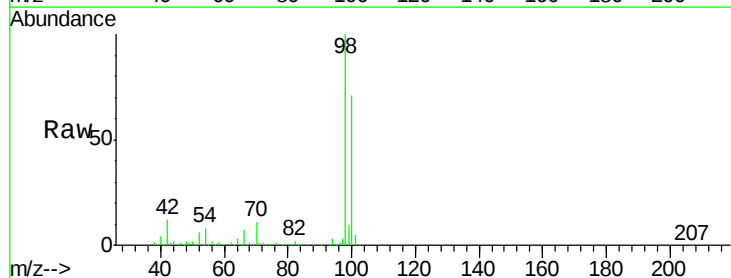


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

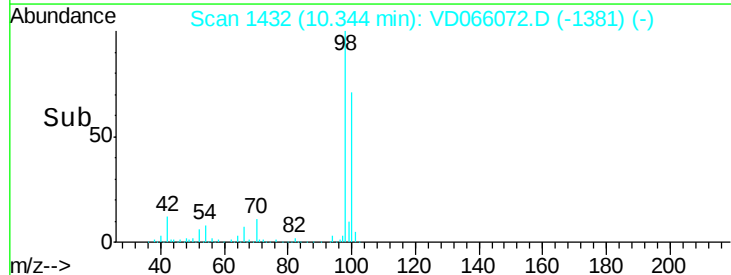
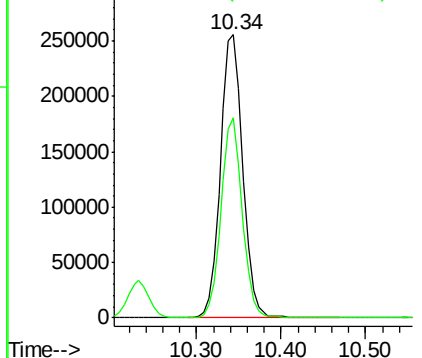


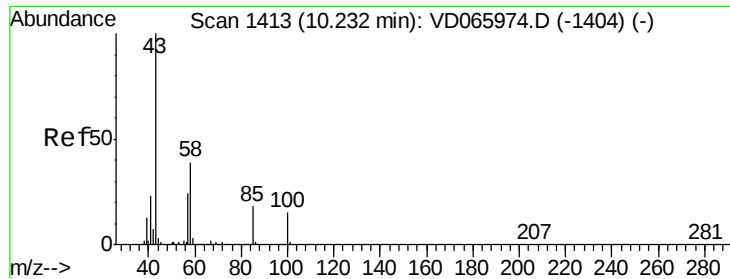
#50
 Toluene-d8
 Concen: 54.580 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. -0.00 min
 Lab File: VD066072.D
 Acq: 28 Jul 2020 11:11

Tgt Ion: 98 Resp: 467212
 Ion Ratio Lower Upper
 98 100
 100 67.1 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: 270.035 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD066072.D

Acq: 28 Jul 2020 11:11

Instrument :

MSVOA_D

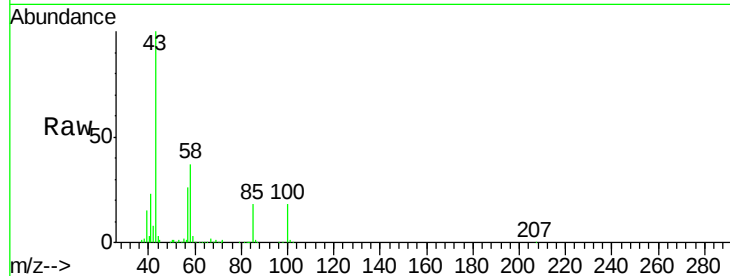
ClientSampled :

Tot Ion: 43 Resp: 328140

Ion Ratio Lower Upper

43 100

58 40.0 31.3 46.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

200000

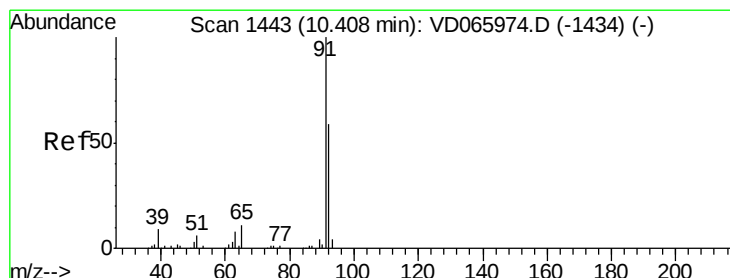
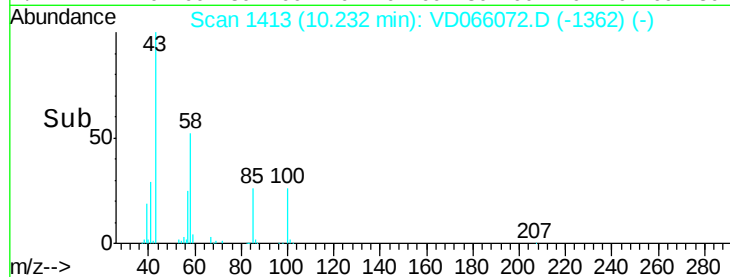
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 53.338 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD066072.D

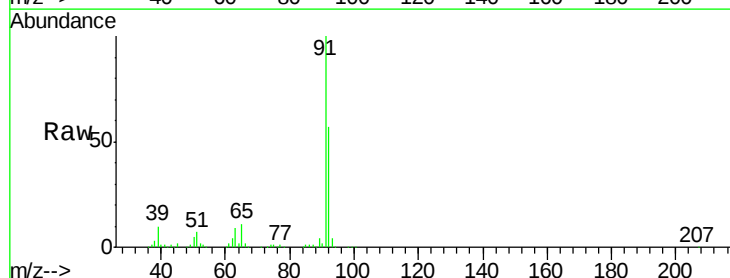
Acq: 28 Jul 2020 11:11

Tgt Ion: 92 Resp: 314645

Ion Ratio Lower Upper

92 100

91 172.3 134.5 201.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.40

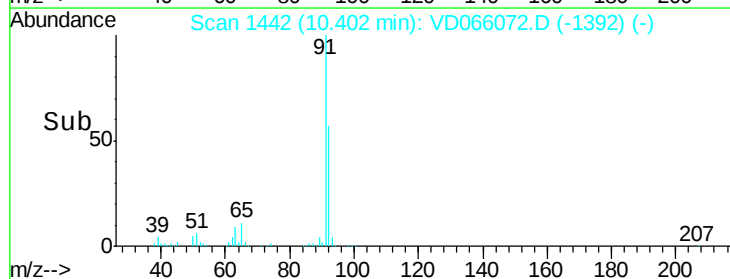
300000

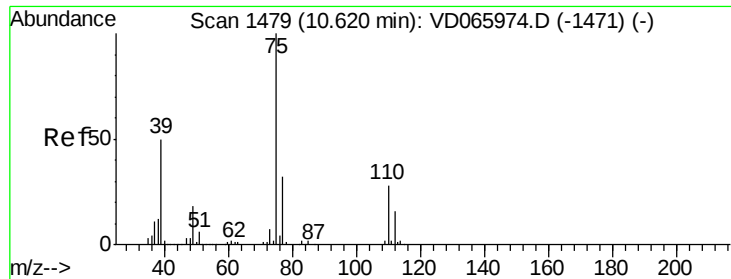
200000

100000

0

Time-->

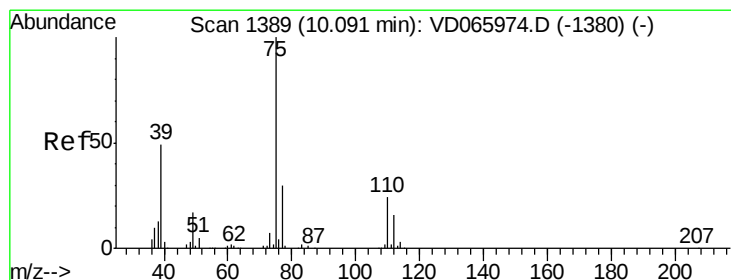
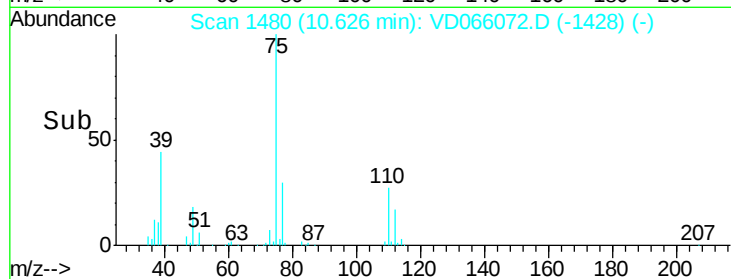
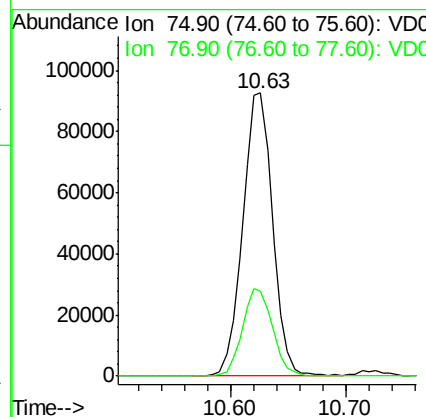
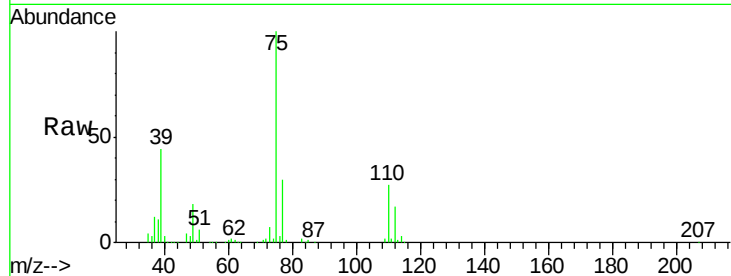




#53
t-1,3-Dichloropropene
Concen: 57.137 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.01 min
Lab File: VD066072.D
Acq: 28 Jul 2020 11:11

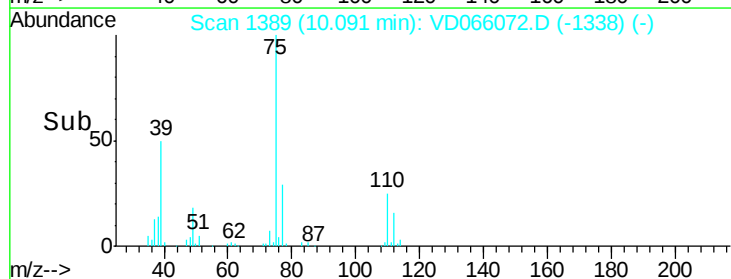
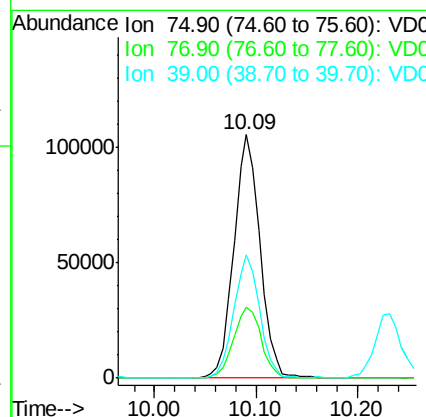
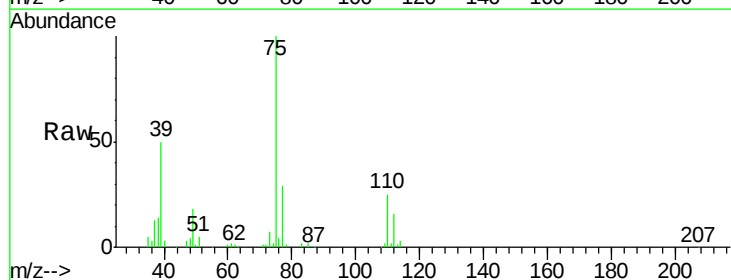
Instrument :
MSVOA_D
ClientSampled :

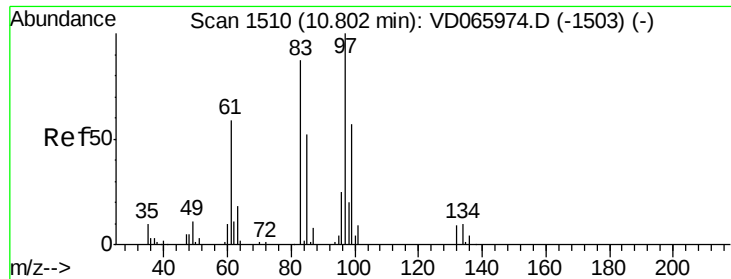
Tot Ion: 75 Resp: 165997
Ion Ratio Lower Upper
75 100
77 30.1 25.8 38.6



#54
cis-1,3-Dichloropropene
Concen: 53.409 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD066072.D
Acq: 28 Jul 2020 11:11

Tgt Ion: 75 Resp: 188091
Ion Ratio Lower Upper
75 100
77 28.9 23.8 35.8
39 50.3 38.8 58.2

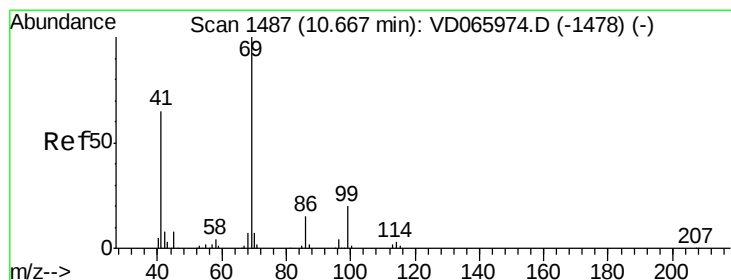
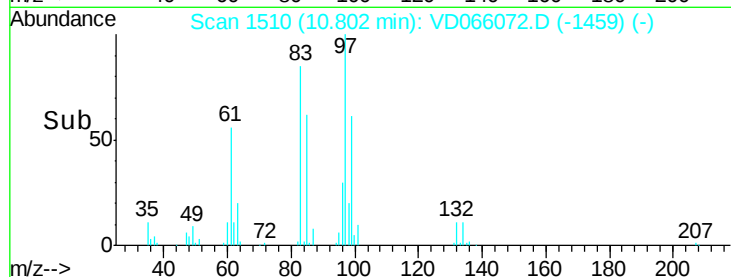
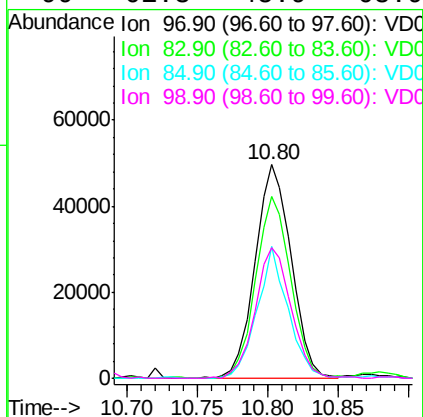
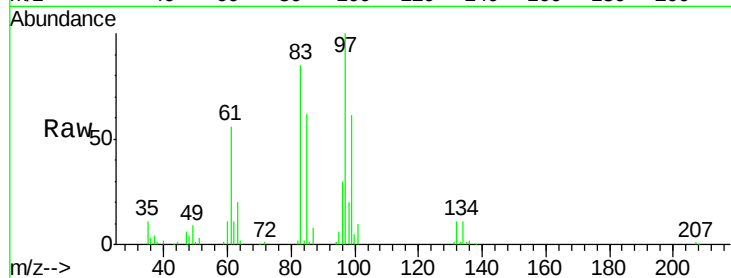




#55
 1,1,2-Trichloroethane
 Concen: 53.358 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD066072.D
 Acq: 28 Jul 2020 11:11

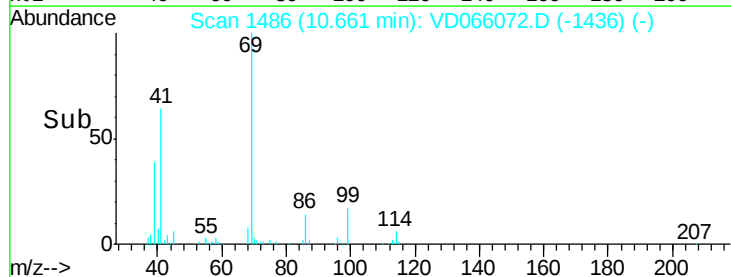
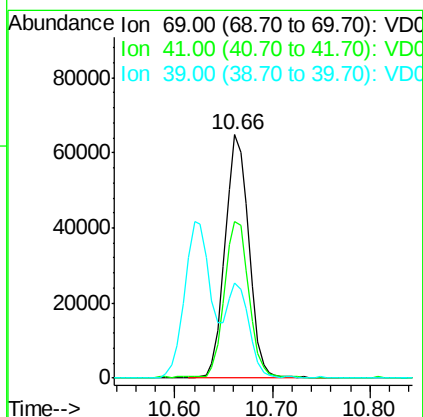
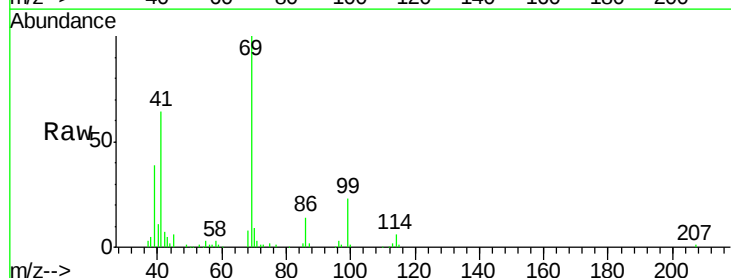
Instrument :
 MSVOA_D
 ClientSampleId :

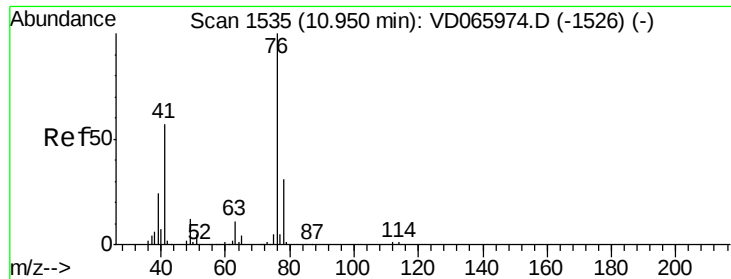
Tot Ion:	97	Resp:	89249
Ion	Ratio	Lower	Upper
97	100		
83	85.1	69.7	104.5
85	61.9	41.6	62.4
99	61.3	45.9	68.9



#56
 Ethyl methacrylate
 Concen: 56.594 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD066072.D
 Acq: 28 Jul 2020 11:11

Tgt Ion:	69	Resp:	110060
Ion	Ratio	Lower	Upper
69	100		
41	65.2	52.3	78.5
39	38.9	25.2	37.8#

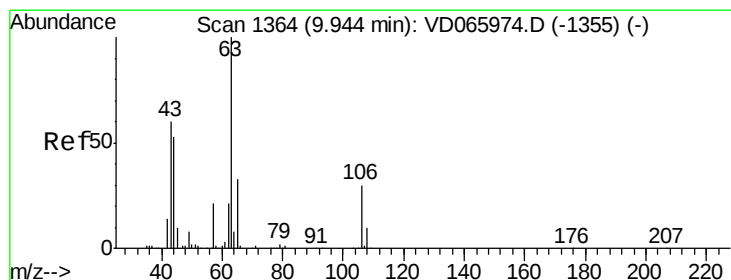
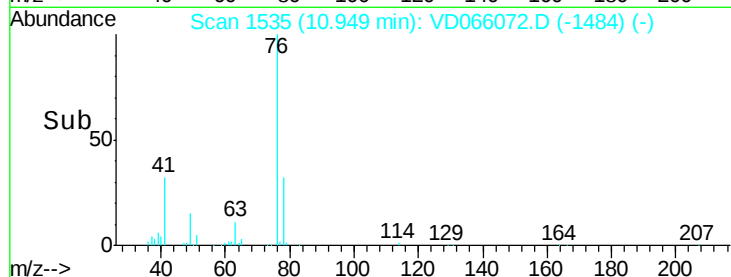
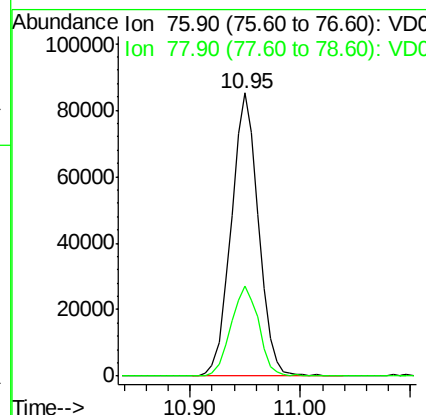
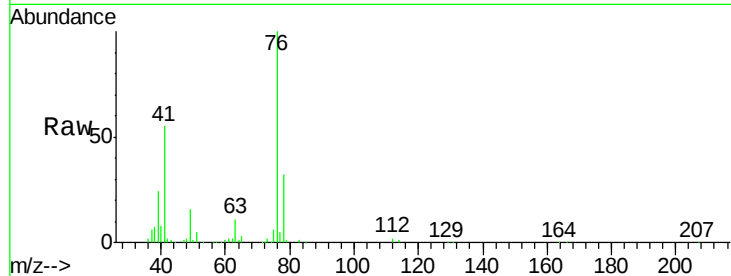




#57
 1,3-Dichloropropane
 Concen: 53.220 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD066072.D
 Acq: 28 Jul 2020 11:11

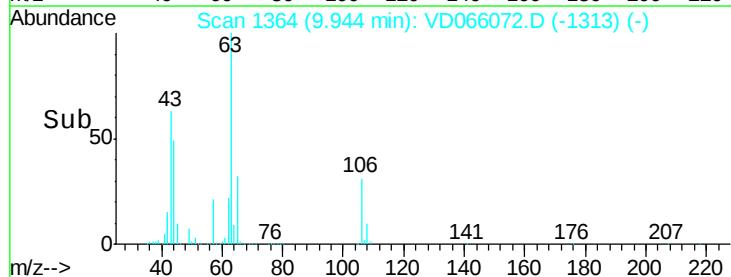
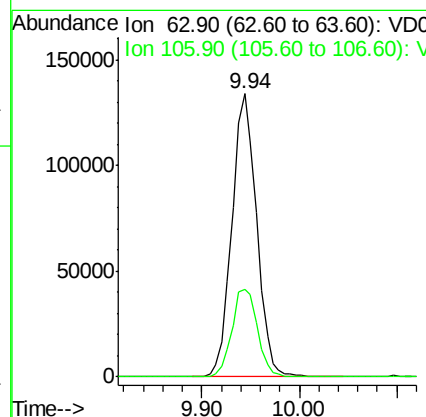
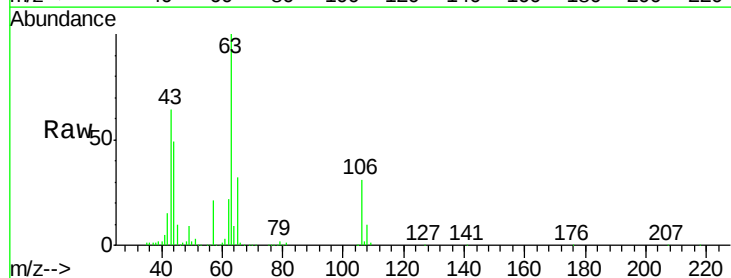
Instrument :
 MSVOA_D
 ClientSampleId :

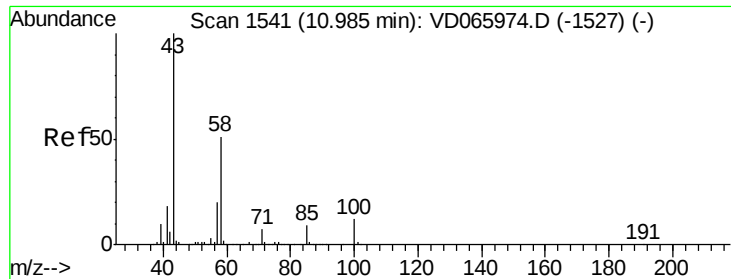
Tot Ion: 76 Resp: 147366
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 253.914 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD066072.D
 Acq: 28 Jul 2020 11:11

Tgt Ion: 63 Resp: 235886
 Ion Ratio Lower Upper
 63 100
 106 32.1 24.4 36.6

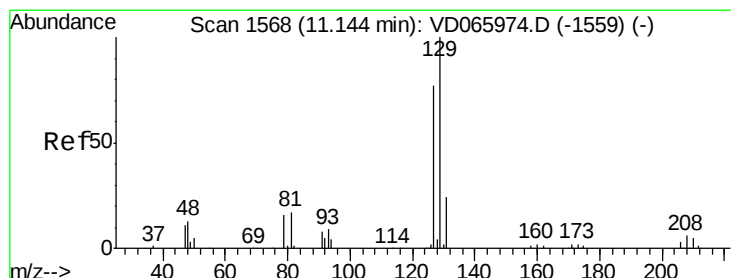
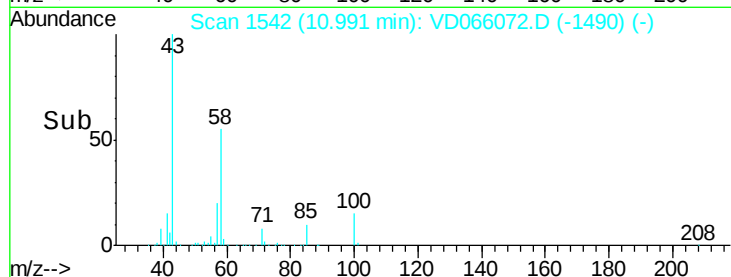
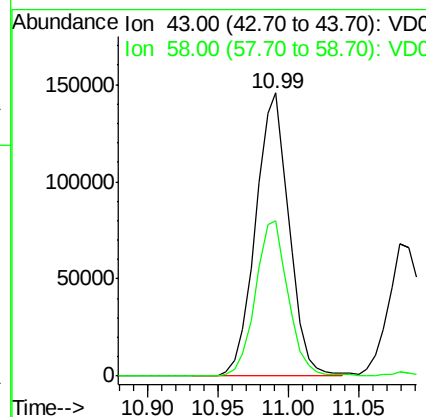
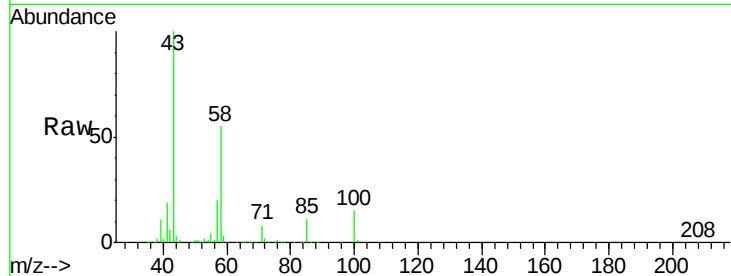




#59
2-Hexanone
Concen: 288.462 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD066072.D
Acq: 28 Jul 2020 11:11

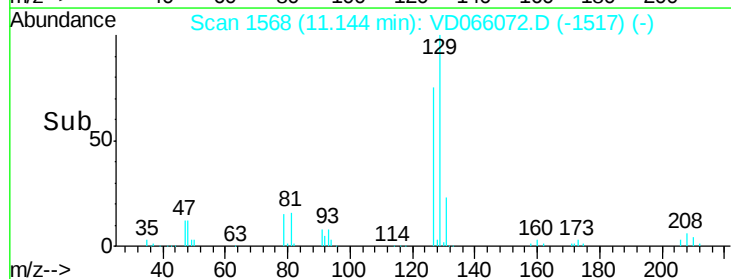
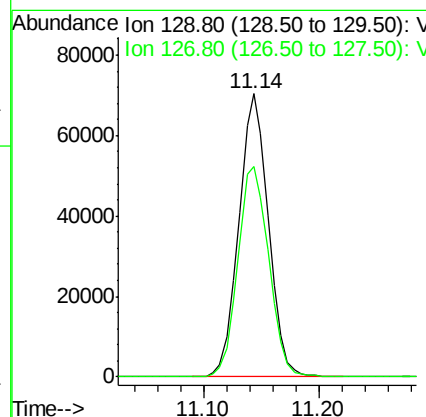
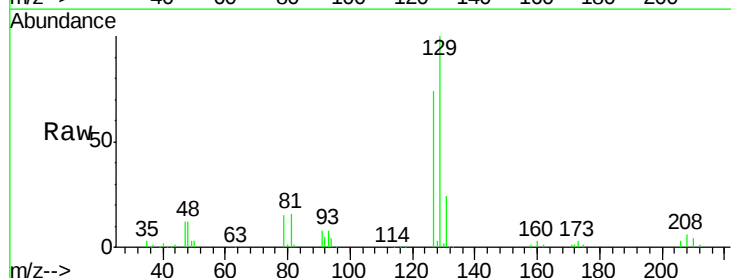
Instrument :
MSVOA_D
ClientSampleId :

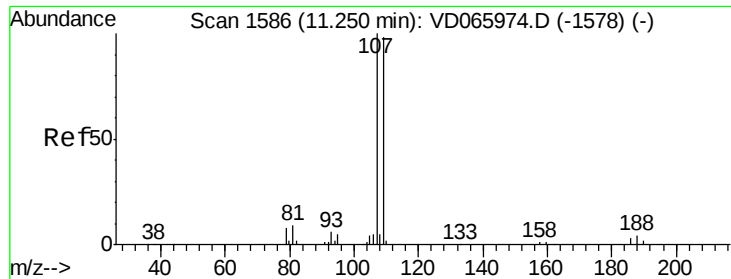
Tot Ion: 43 Resp: 242915
Ion Ratio Lower Upper
43 100
58 53.7 26.2 78.6



#60
Dibromochloromethane
Concen: 55.158 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD066072.D
Acq: 28 Jul 2020 11:11

Tgt Ion: 129 Resp: 124396
Ion Ratio Lower Upper
129 100
127 77.7 38.6 115.7

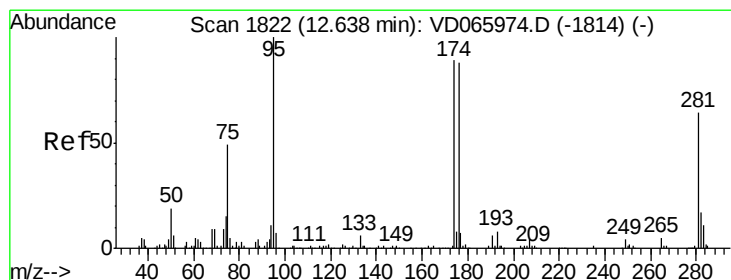
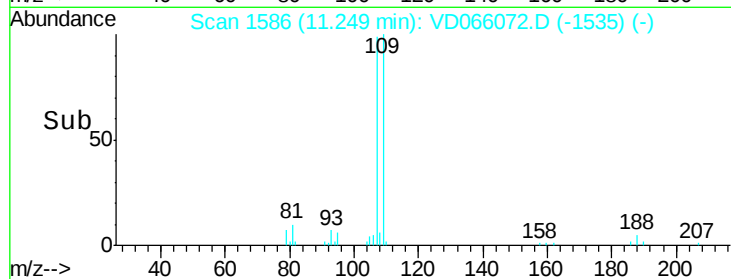
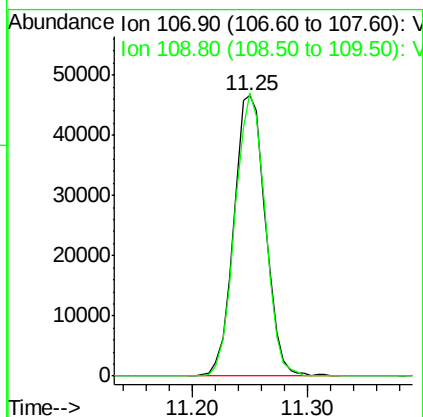
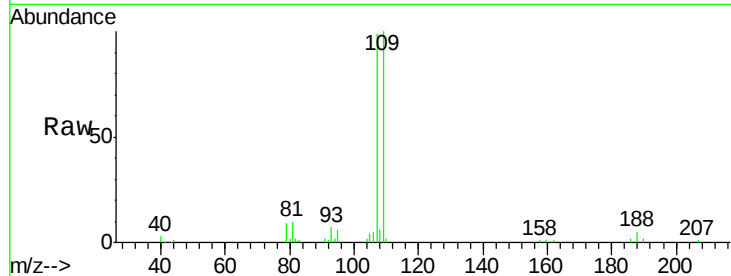




#61
 1,2-Dibromoethane
 Concen: 54.525 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD066072.D
 Acq: 28 Jul 2020 11:11

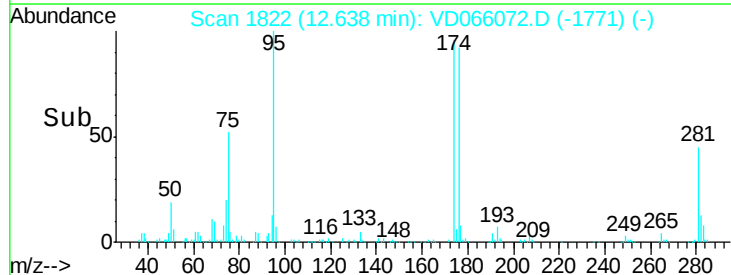
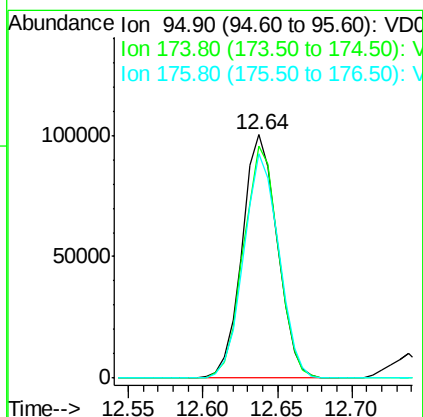
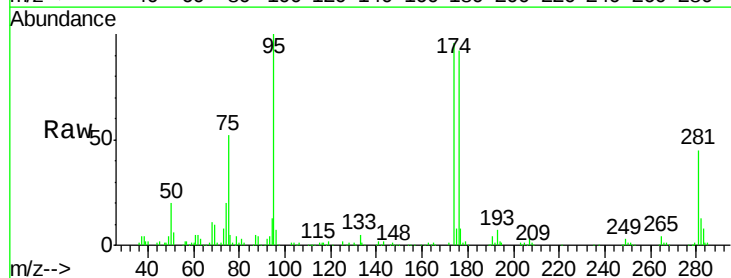
Instrument :
 MSVOA_D
 ClientSampled :

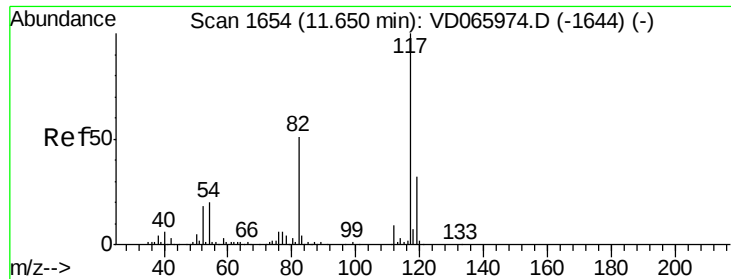
Tot Ion: 107 Resp: 87935
 Ion Ratio Lower Upper
 107 100
 109 96.4 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 55.073 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD066072.D
 Acq: 28 Jul 2020 11:11

Tgt Ion: 95 Resp: 163465
 Ion Ratio Lower Upper
 95 100
 174 94.4 0.0 178.8
 176 92.1 0.0 172.6

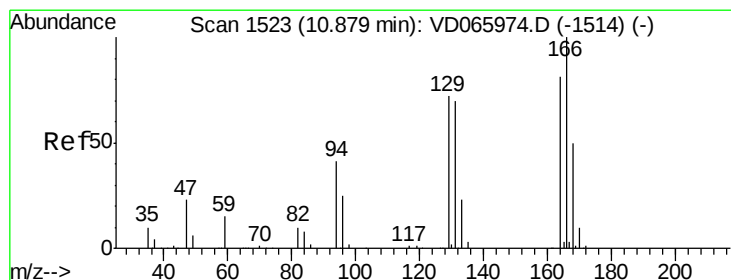
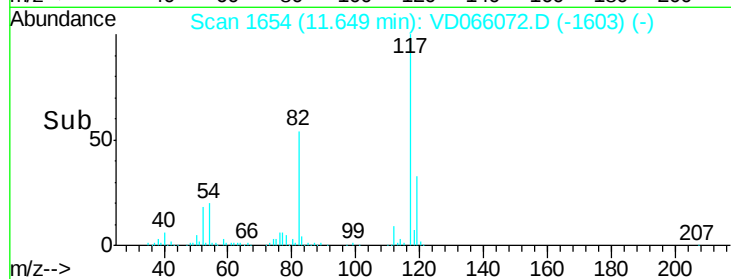
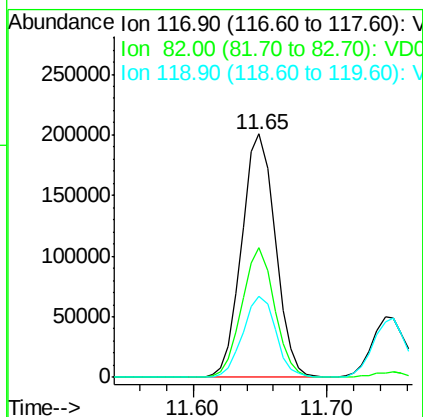
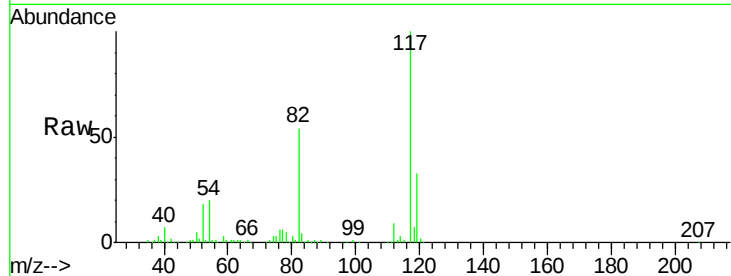




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD066072.D
Acq: 28 Jul 2020 11:11

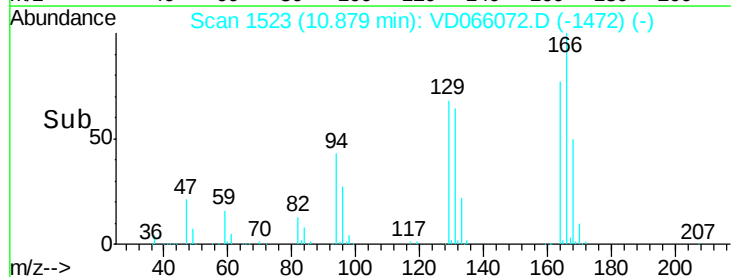
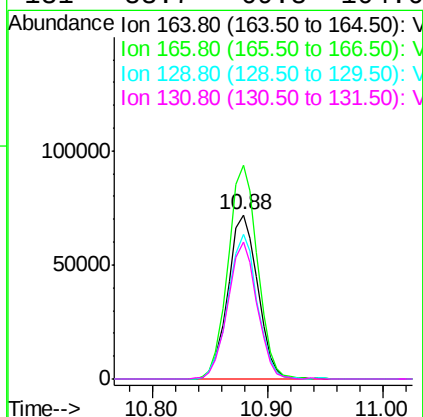
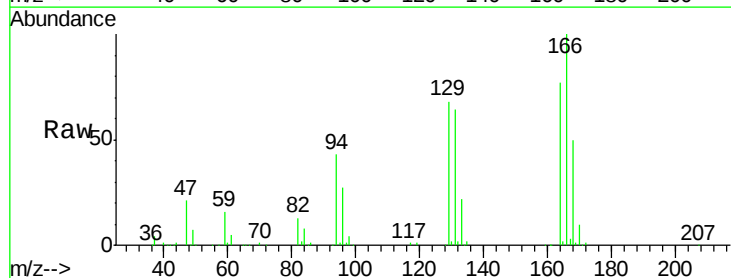
Instrument :
MSVOA_D
ClientSampleId :

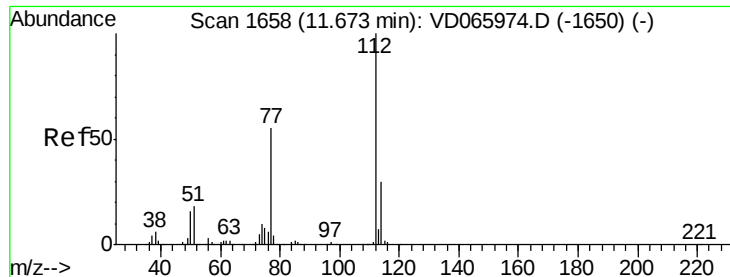
Tot Ion:117 Resp: 350951
Ion Ratio Lower Upper
117 100
82 53.5 41.1 61.7
119 33.4 25.9 38.9



#64
Tetrachloroethene
Concen: 54.061 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD066072.D
Acq: 28 Jul 2020 11:11

Tgt Ion:164 Resp: 128775
Ion Ratio Lower Upper
164 100
166 130.3 99.1 148.7
129 88.0 71.5 107.3
131 83.7 69.8 104.6

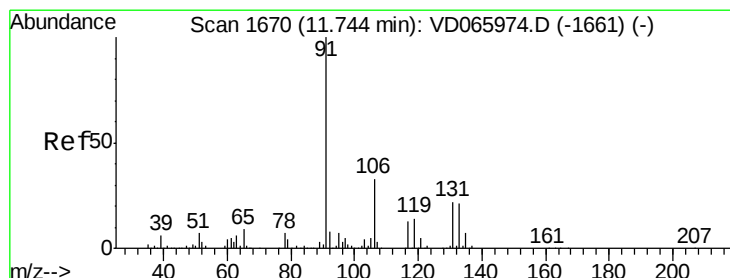
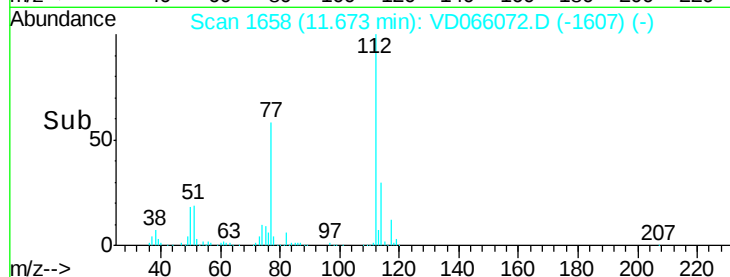
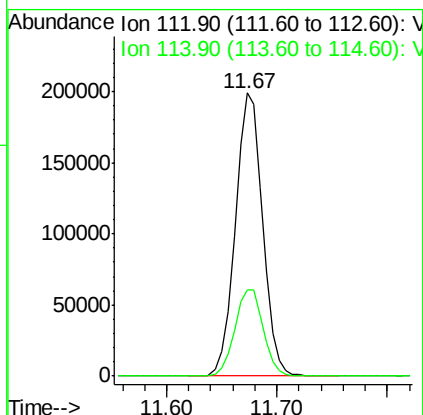
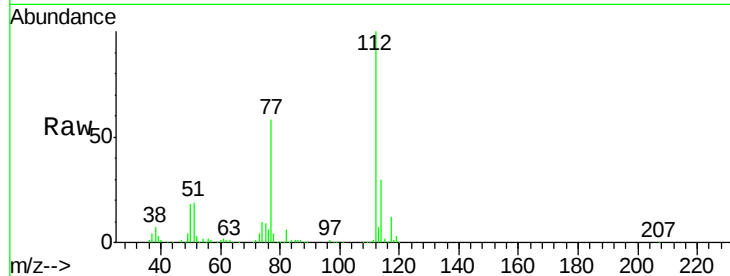




#65
Chlorobenzene
Concen: 53.519 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD066072.D
Acq: 28 Jul 2020 11:11

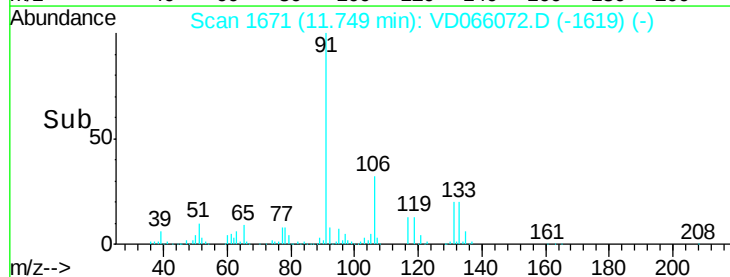
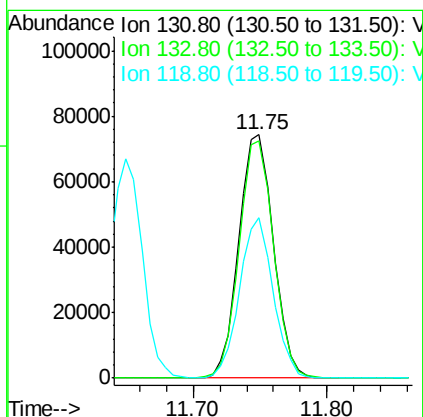
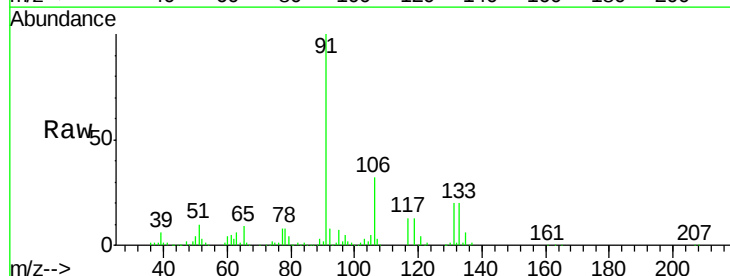
Instrument :
MSVOA_D
ClientSampled :

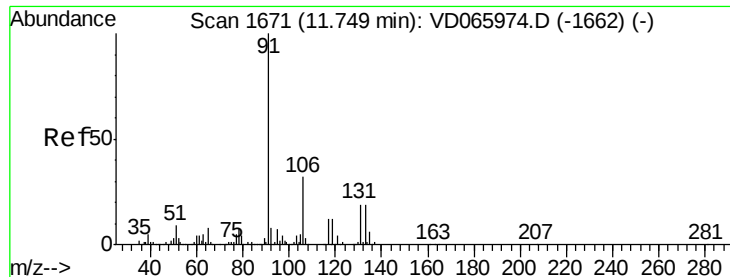
Tot Ion:112 Resp: 343896
Ion Ratio Lower Upper
112 100
114 30.3 24.4 36.6



#66
1,1,1,2-Tetrachloroethane
Concen: 56.284 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD066072.D
Acq: 28 Jul 2020 11:11

Tgt Ion:131 Resp: 133542
Ion Ratio Lower Upper
131 100
133 96.8 47.3 142.0
119 63.7 31.7 95.1





#67

Ethyl Benzene

Concen: 55.089 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD066072.D

Acq: 28 Jul 2020 11:11

Instrument :

MSVOA_D

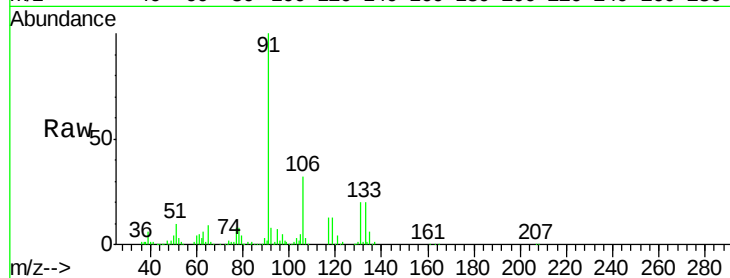
ClientSampleId :

Tot Ion: 91 Resp: 609183

Ion Ratio Lower Upper

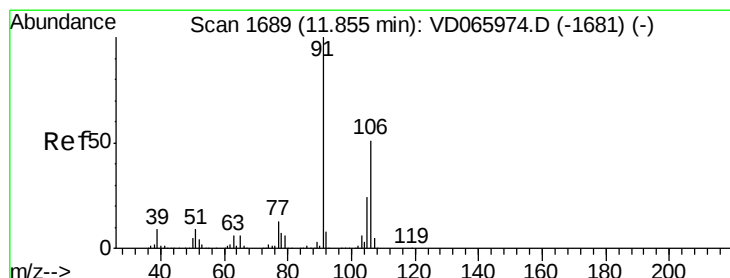
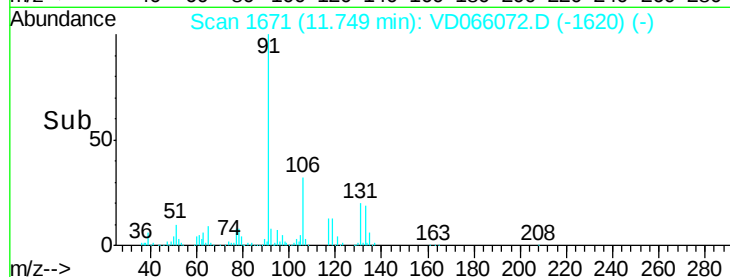
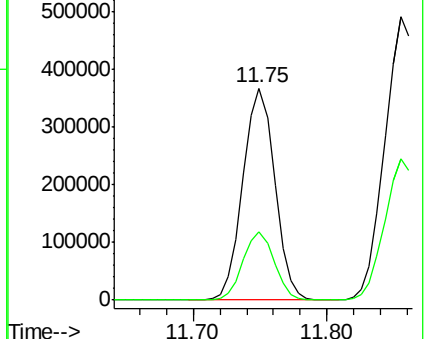
91 100

106 32.1 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 111.215 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD066072.D

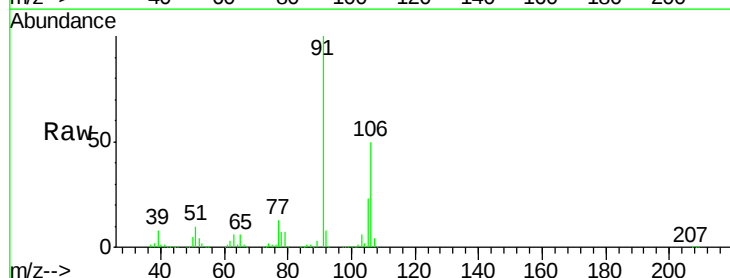
Acq: 28 Jul 2020 11:11

Tgt Ion: 106 Resp: 472697

Ion Ratio Lower Upper

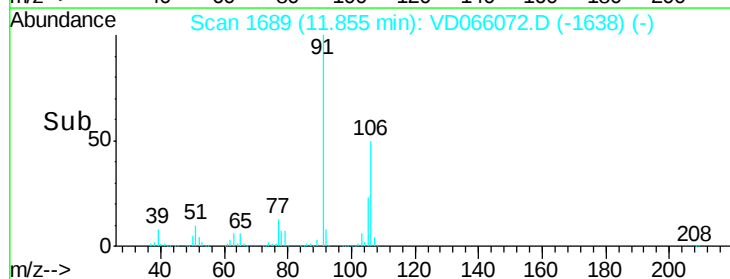
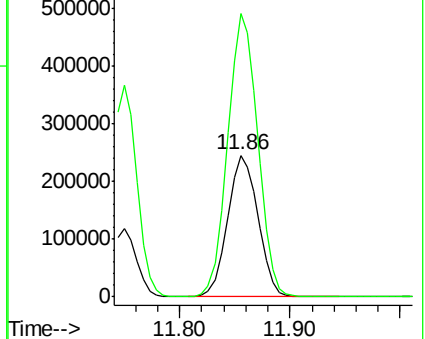
106 100

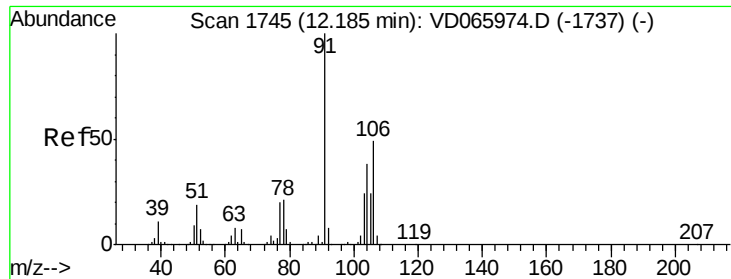
91 197.9 157.0 235.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

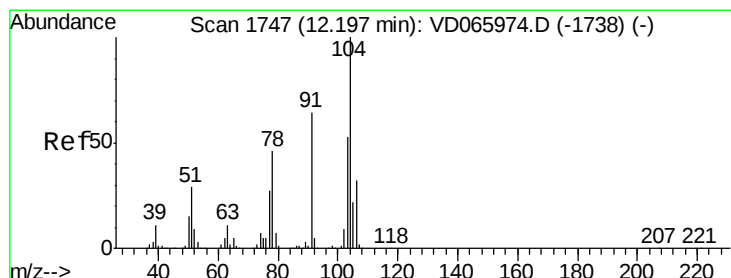
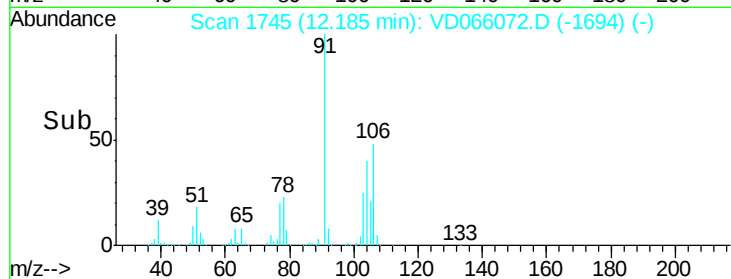
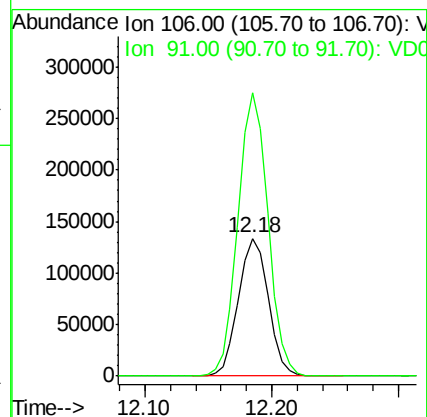
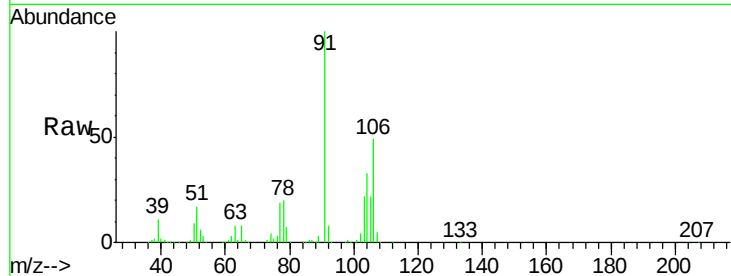




#69
o-Xylene
Concen: 56.547 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD066072.D
Acq: 28 Jul 2020 11:11

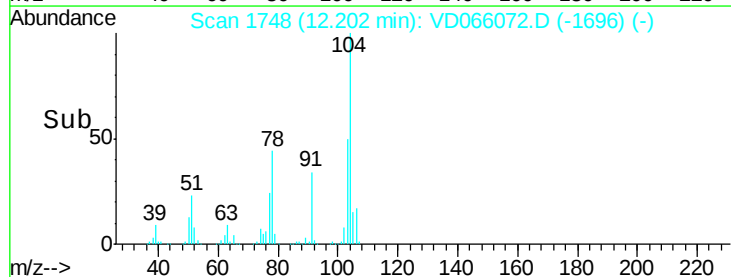
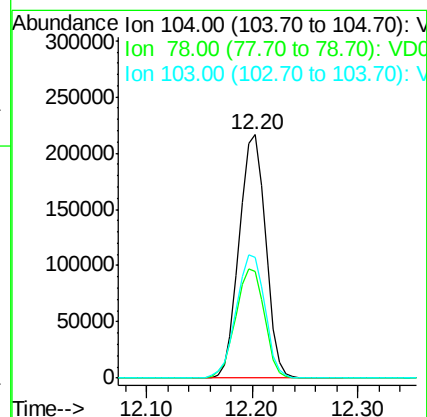
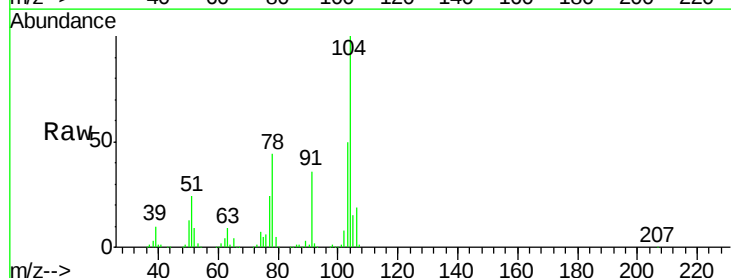
Instrument :
MSVOA_D
ClientSampleId :

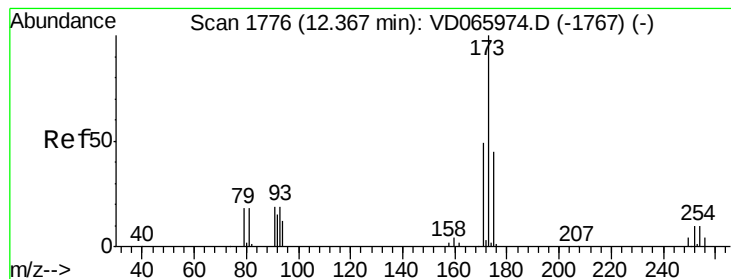
Tot Ion:106 Resp: 218600
Ion Ratio Lower Upper
106 100
91 205.8 103.1 309.3



#70
Styrene
Concen: 56.468 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD066072.D
Acq: 28 Jul 2020 11:11

Tgt Ion:104 Resp: 375063
Ion Ratio Lower Upper
104 100
78 48.8 38.3 57.5
103 54.8 43.8 65.8





#71

Bromoform

Concen: 57.108 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD066072.D

Acq: 28 Jul 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

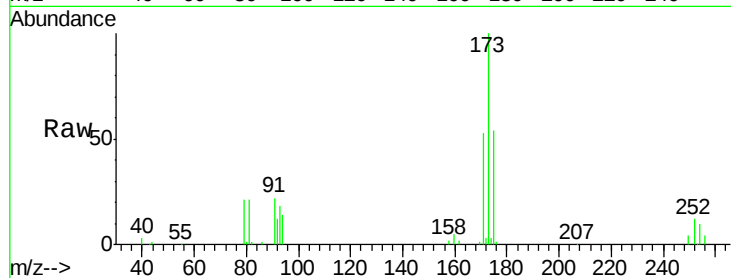
Tot Ion:173 Resp: 79369

Ion Ratio Lower Upper

173 100

175 50.2 24.1 72.3

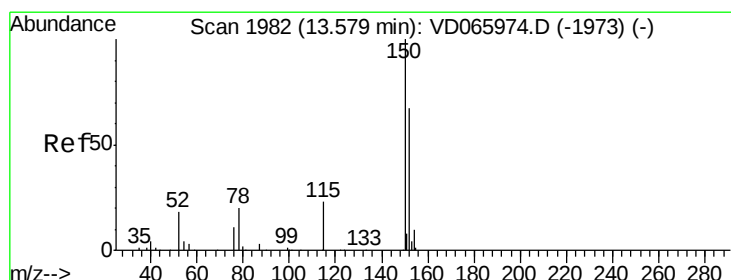
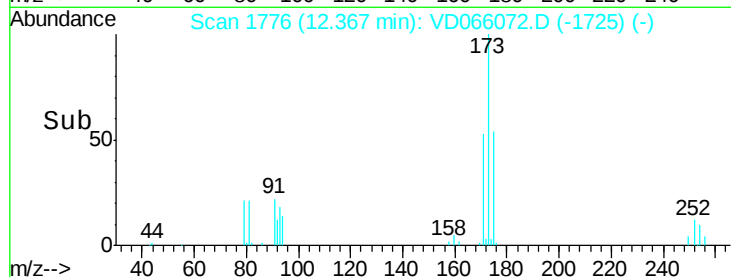
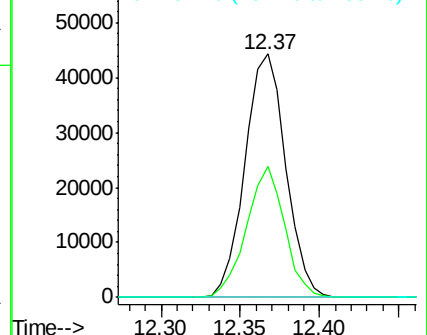
254 0.0 0.0 0.0



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: VD066072.D

Acq: 28 Jul 2020 11:11

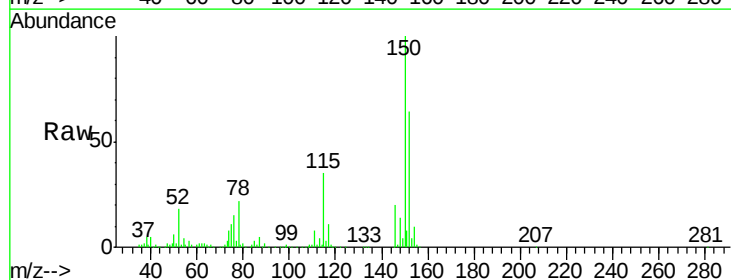
Tgt Ion:152 Resp: 192403

Ion Ratio Lower Upper

152 100

115 54.9 27.9 83.7

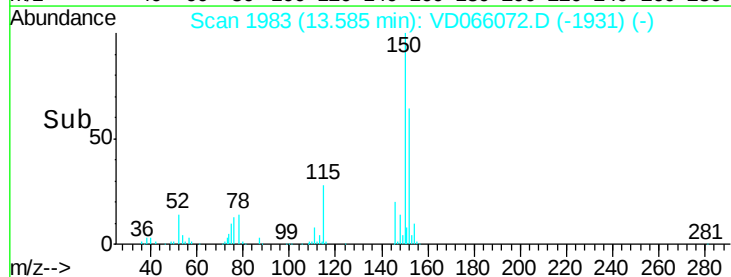
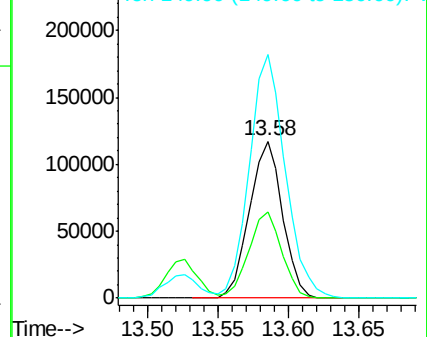
150 168.7 0.0 348.2

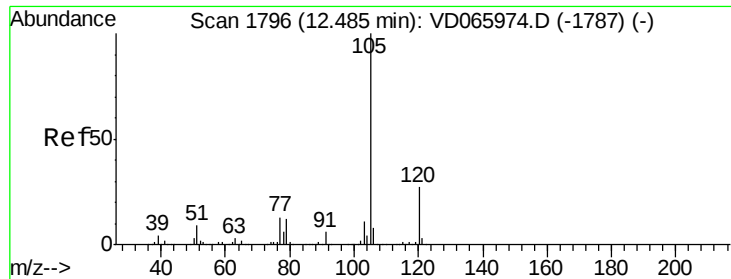


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.844 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD066072.D

Acq: 28 Jul 2020 11:11

Instrument :

MSVOA_D

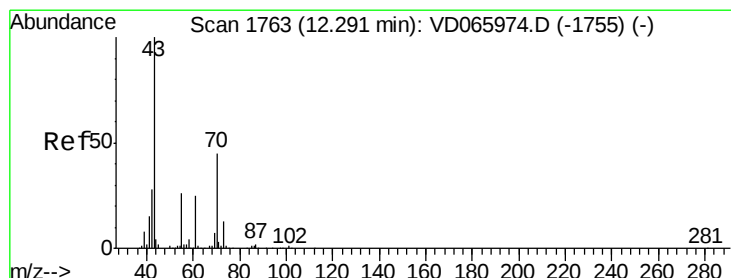
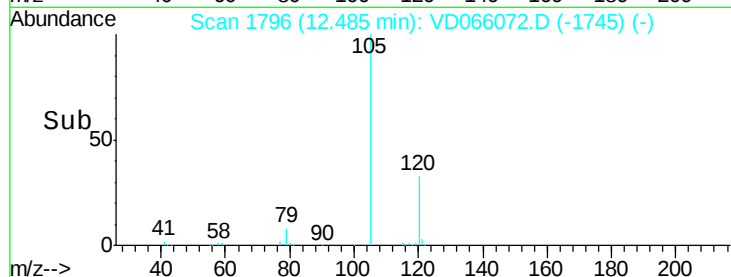
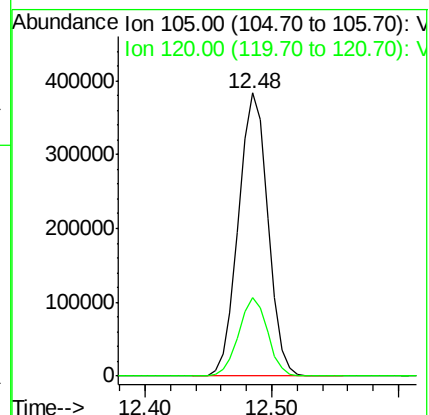
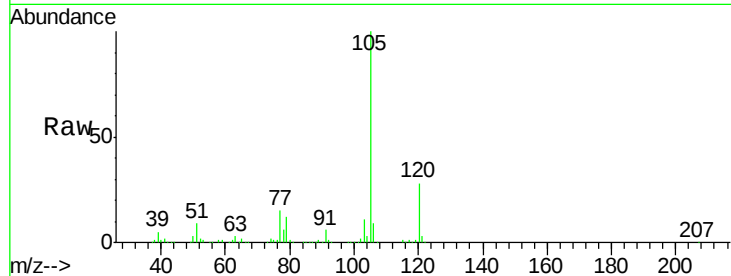
ClientSampleId :

Tot Ion:105 Resp: 615230

Ion Ratio Lower Upper

105 100

120 27.2 13.6 40.8



#74

N-ethyl acetate

Concen: 50.125 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD066072.D

Acq: 28 Jul 2020 11:11

Tgt Ion: 43 Resp: 120997

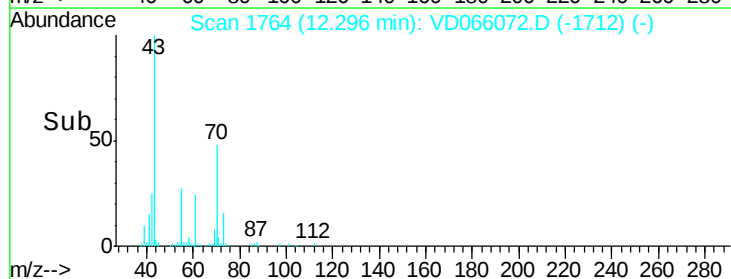
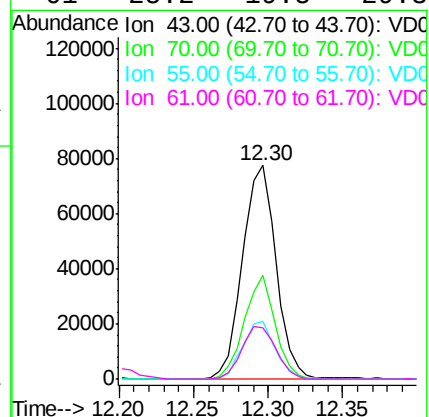
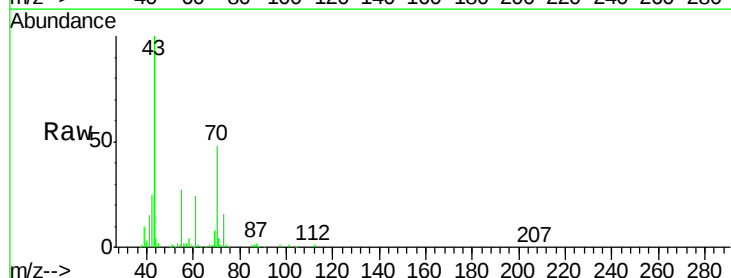
Ion Ratio Lower Upper

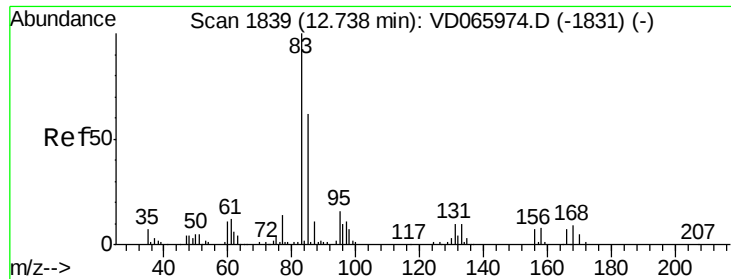
43 100

70 44.3 34.6 51.8

55 26.2 20.3 30.5

61 25.2 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 51.490 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD066072.D

Acq: 28 Jul 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

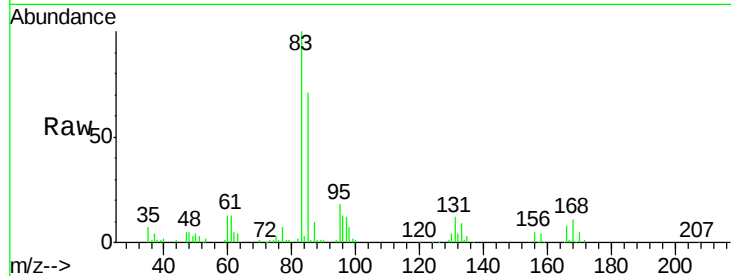
Tot Ion: 83 Resp: 99069

Ion Ratio Lower Upper

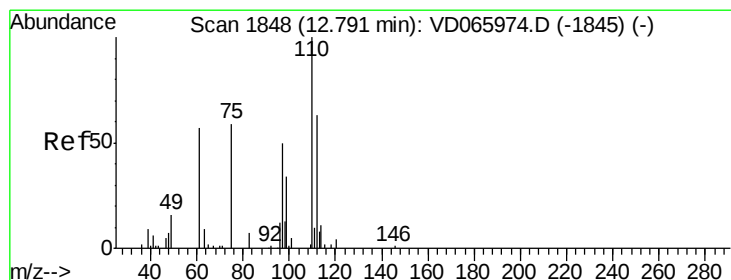
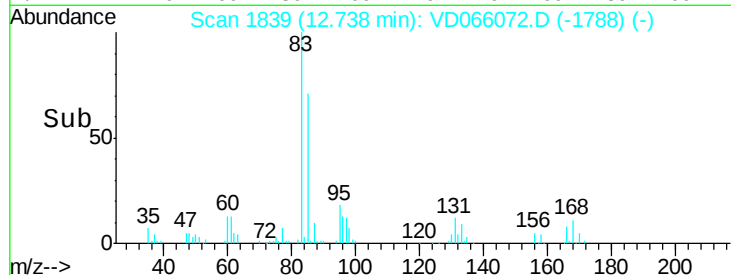
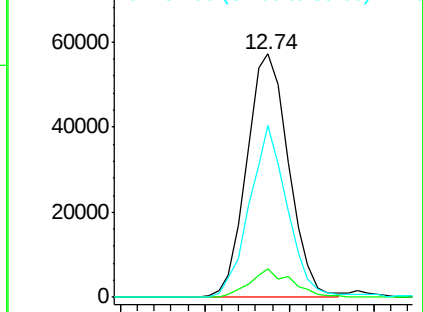
83 100

131 11.7 5.7 17.1

85 63.7 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: 89.942 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD066072.D

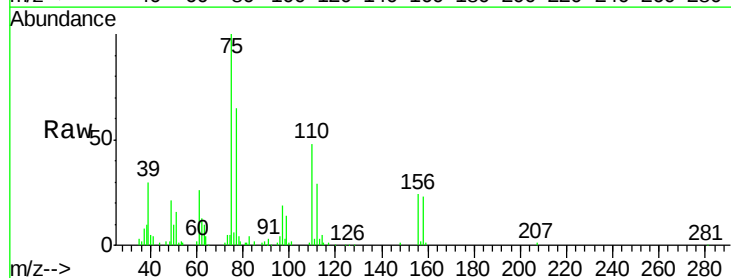
Acq: 28 Jul 2020 11:11

Tgt Ion: 75 Resp: 130298

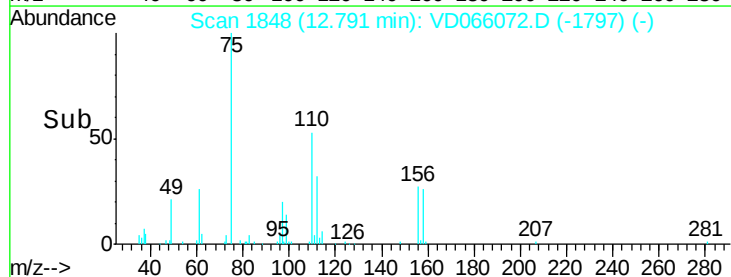
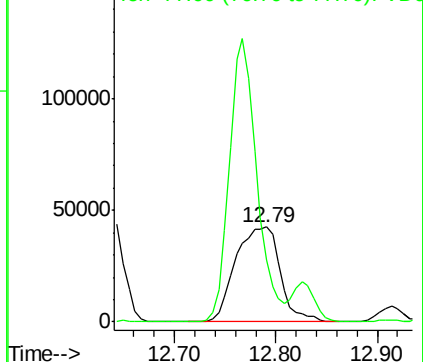
Ion Ratio Lower Upper

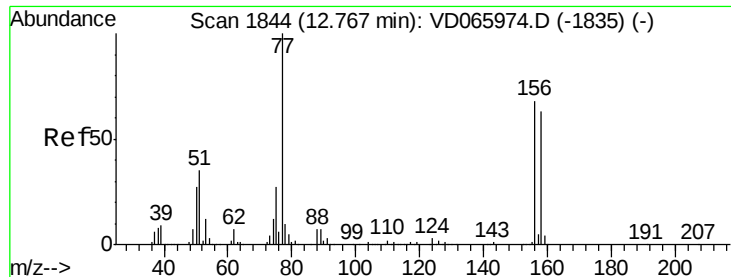
75 100

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: 51.497 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD066072.D

Acq: 28 Jul 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

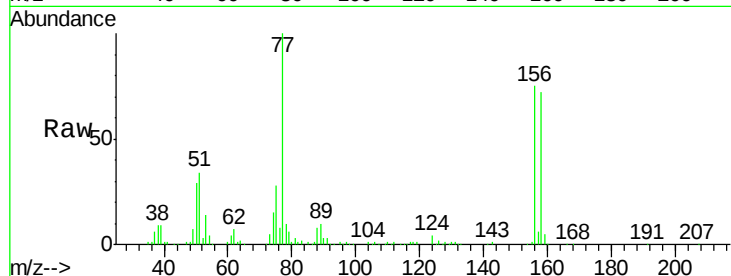
Tot Ion:156 Resp: 153223

Ion Ratio Lower Upper

156 100

77 156.3 83.0 249.0

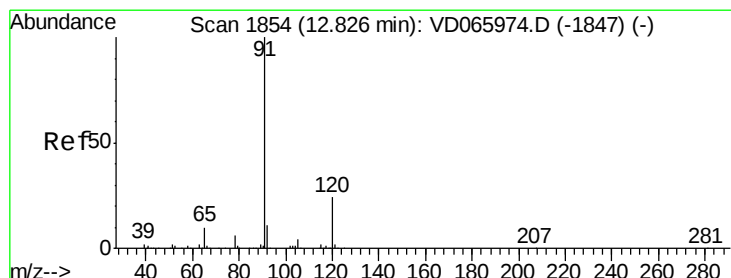
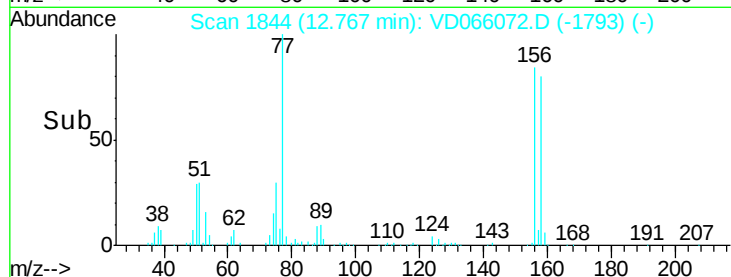
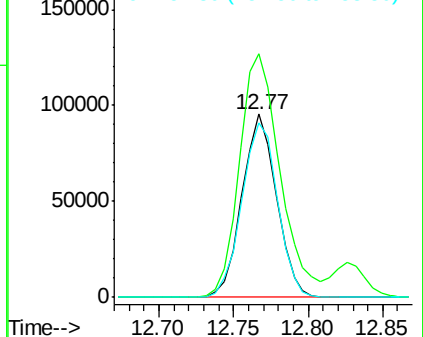
158 98.3 48.2 144.6



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: 52.940 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD066072.D

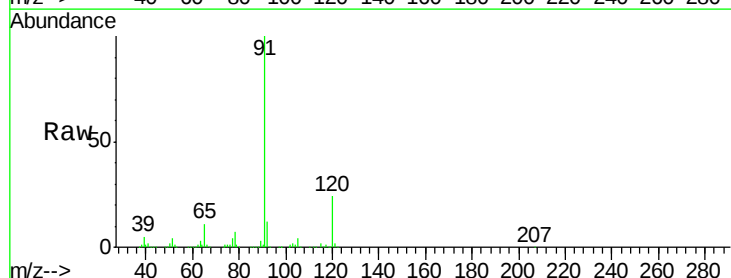
Acq: 28 Jul 2020 11:11

Tgt Ion: 91 Resp: 715212

Ion Ratio Lower Upper

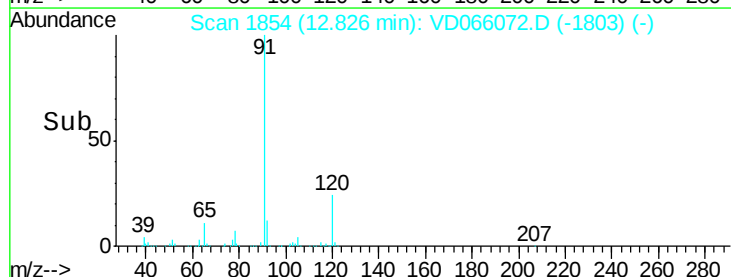
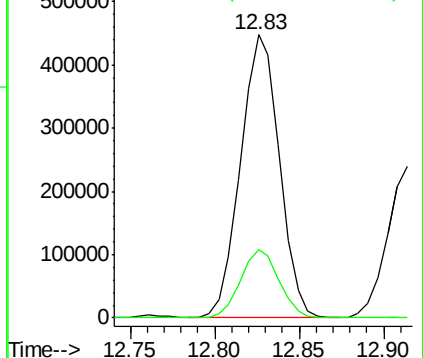
91 100

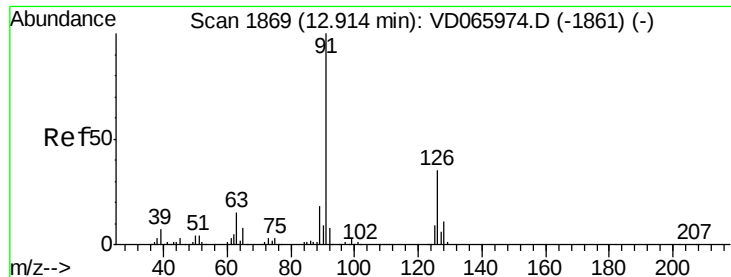
120 23.8 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

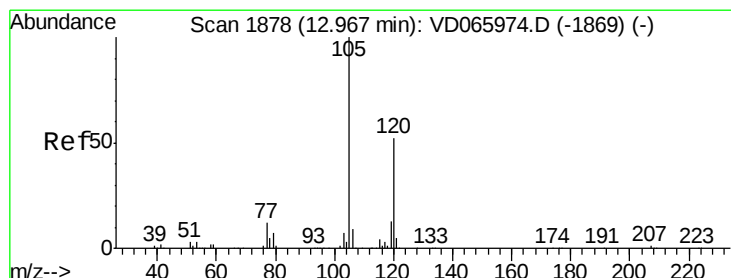
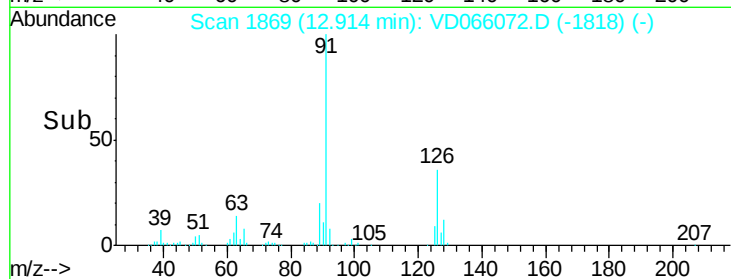
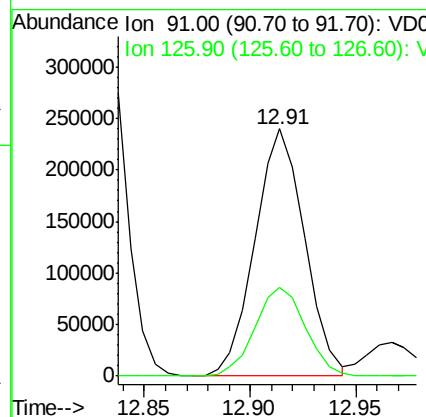
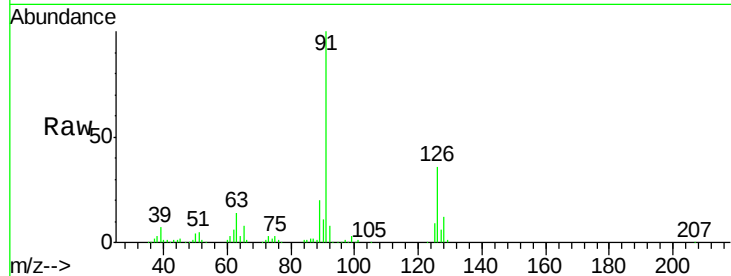




#79
 2-Chlorotoluene
 Concen: 50.816 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD066072.D
 Acq: 28 Jul 2020 11:11

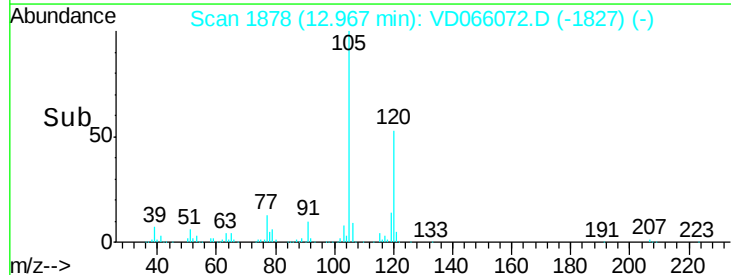
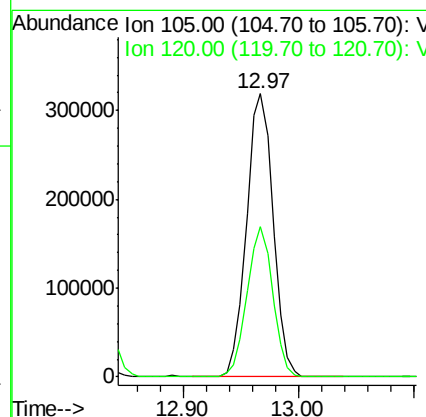
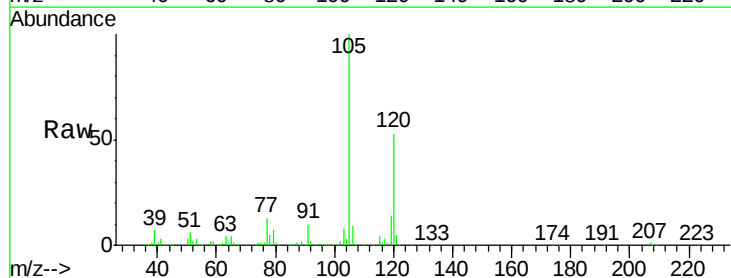
Instrument :
 MSVOA_D
 ClientSampled :

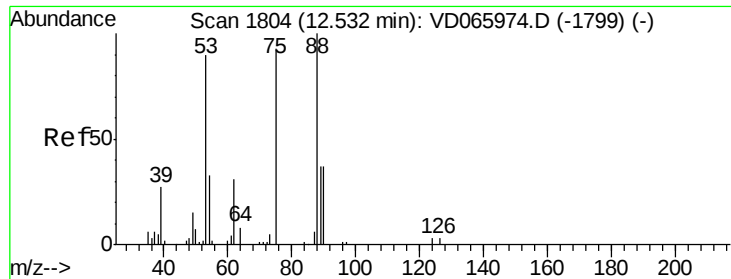
Tot Ion: 91 Resp: 392209
 Ion Ratio Lower Upper
 91 100
 126 36.5 17.7 53.1



#80
 1,3,5-Trimethylbenzene
 Concen: 53.370 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD066072.D
 Acq: 28 Jul 2020 11:11

Tgt Ion:105 Resp: 510489
 Ion Ratio Lower Upper
 105 100
 120 51.5 25.6 76.6





#81

trans-1,4-Dichloro-2-butene

Concen: 53.327 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD066072.D

Acq: 28 Jul 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

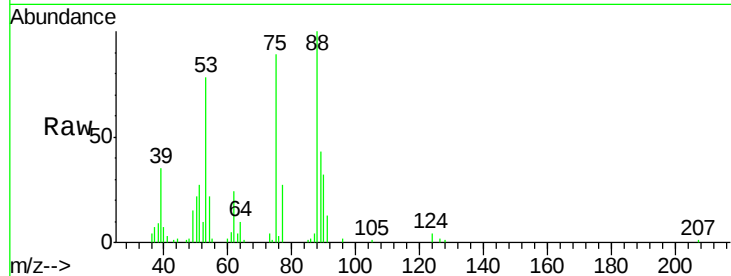
Tot Ion: 75 Resp: 33667

Ion Ratio Lower Upper

75 100

53 94.8 76.8 115.2

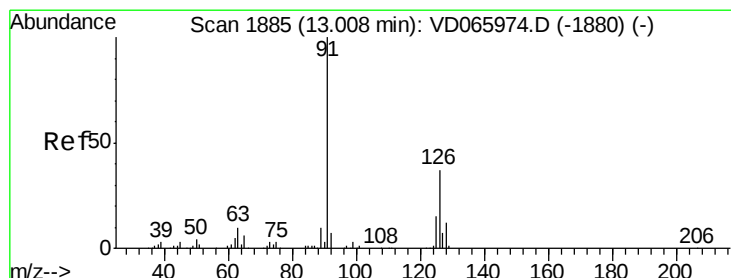
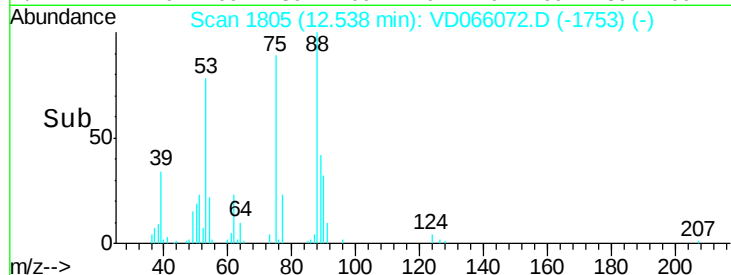
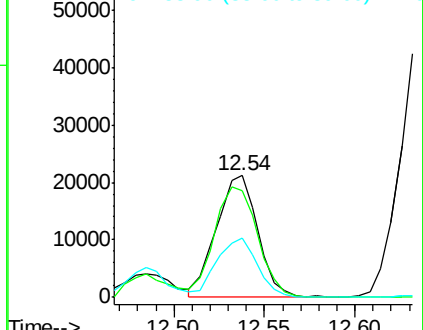
89 47.9 37.0 55.4



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: 51.316 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD066072.D

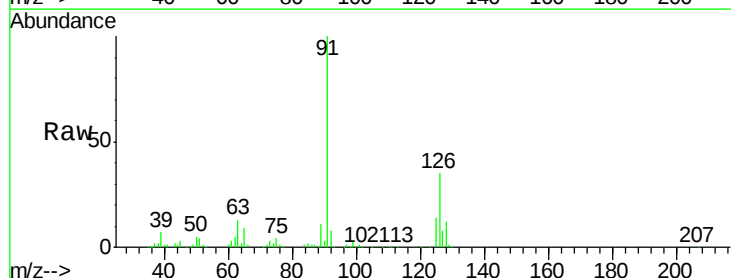
Acq: 28 Jul 2020 11:11

Tgt Ion: 91 Resp: 418054

Ion Ratio Lower Upper

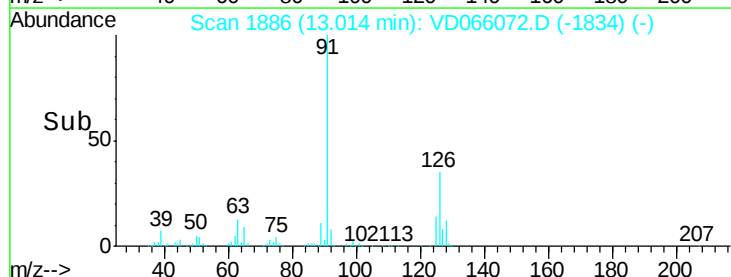
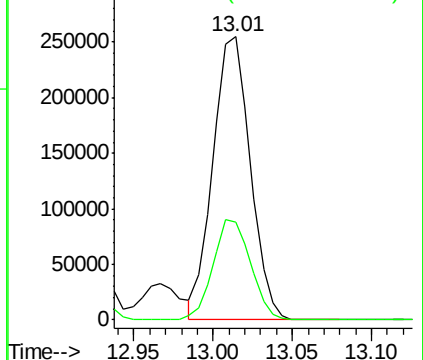
91 100

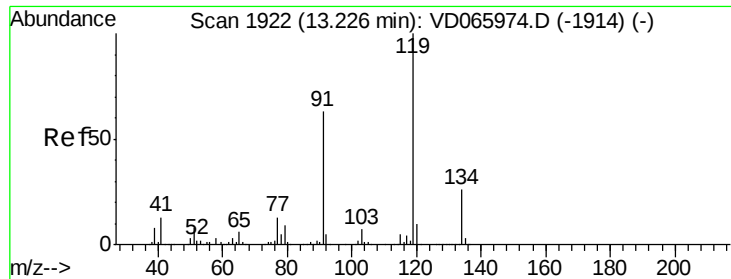
126 35.6 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

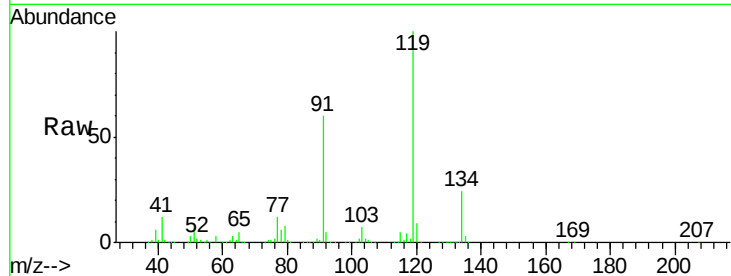




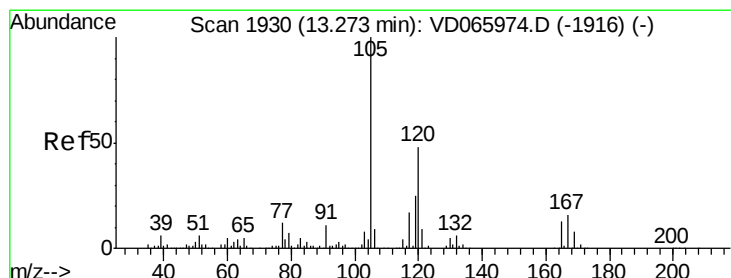
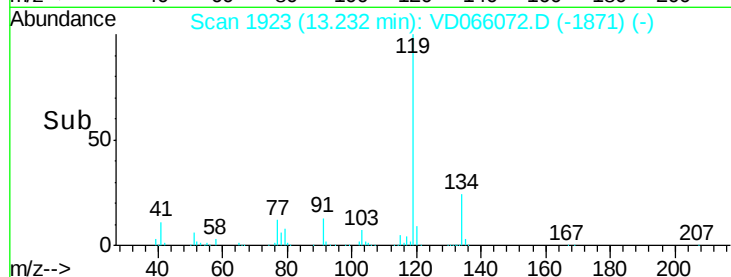
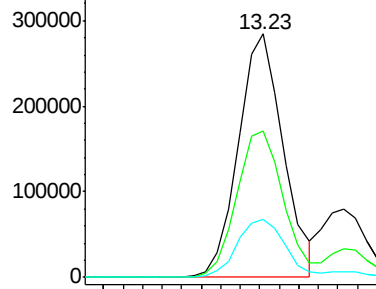
#83
tert-Butylbenzene
Concen: 54.107 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD066072.D
Acq: 28 Jul 2020 11:11

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 452880
Ion Ratio Lower Upper
119 100
91 63.4 30.6 91.6
134 25.5 13.9 41.7

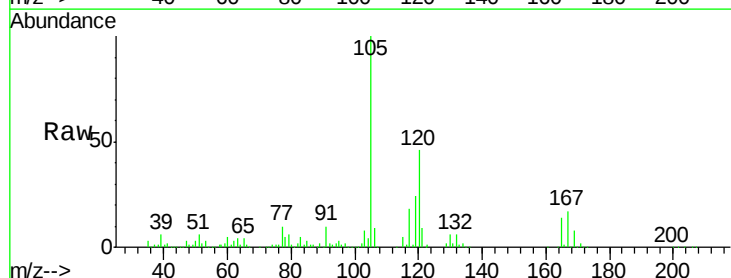


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

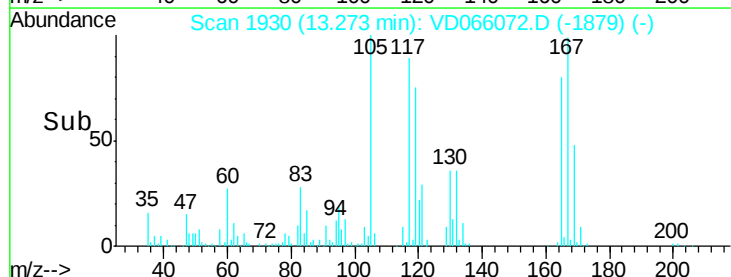
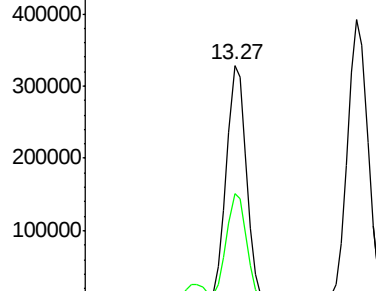


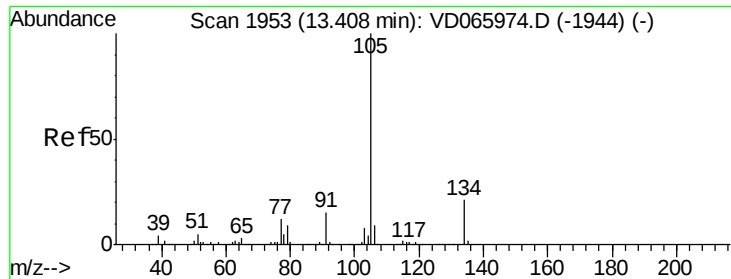
#84
1,2,4-Trimethylbenzene
Concen: 54.319 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD066072.D
Acq: 28 Jul 2020 11:11

Tgt Ion:105 Resp: 512592
Ion Ratio Lower Upper
105 100
120 46.2 23.9 71.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 53.558 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD066072.D

Acq: 28 Jul 2020 11:11

Instrument :

MSVOA_D

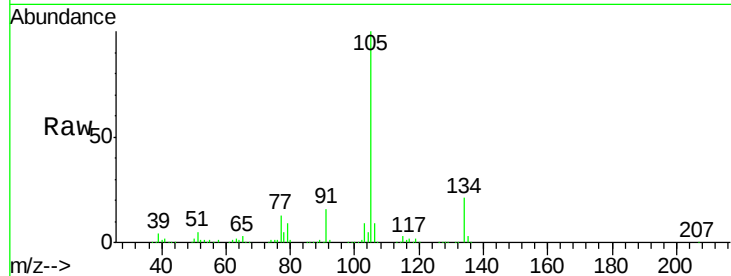
ClientSampled :

Tot Ion:105 Resp: 617457

Ion Ratio Lower Upper

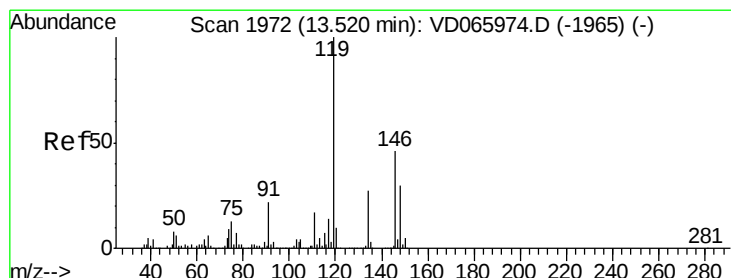
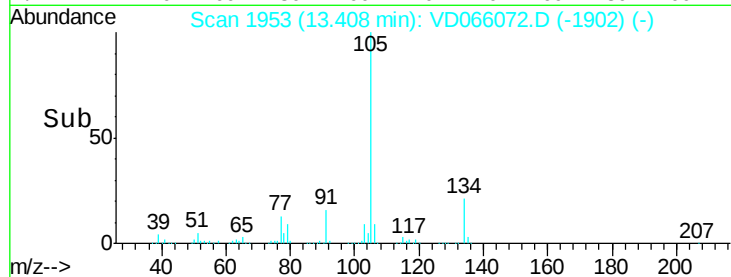
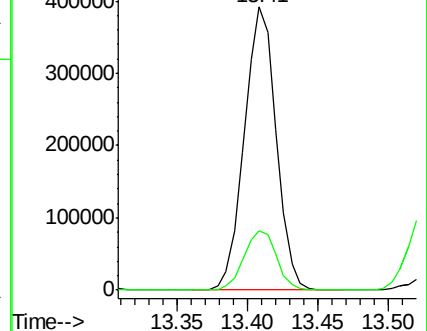
105 100

134 21.6 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: 55.791 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD066072.D

Acq: 28 Jul 2020 11:11

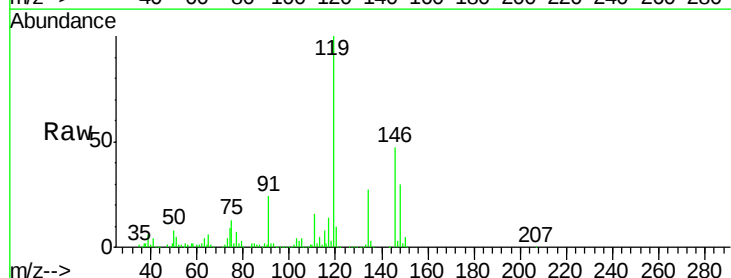
Tgt Ion:119 Resp: 584351

Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.2

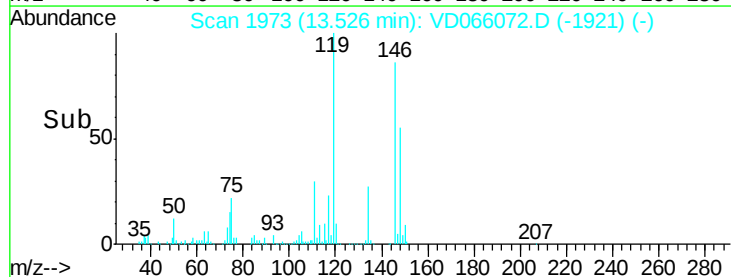
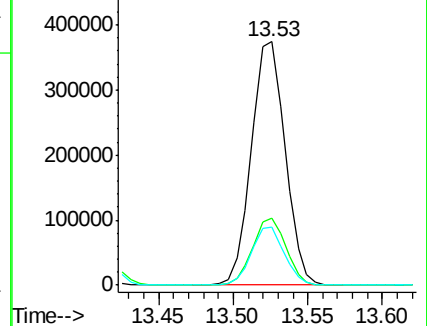
91 23.2 11.1 33.3

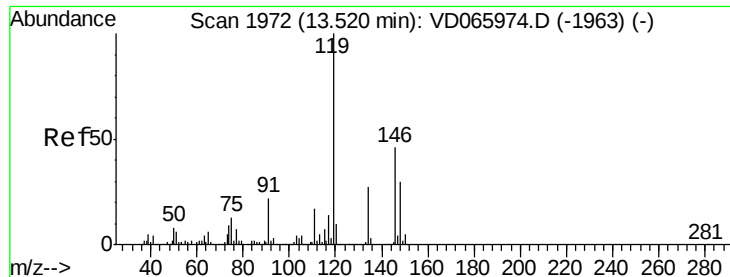


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

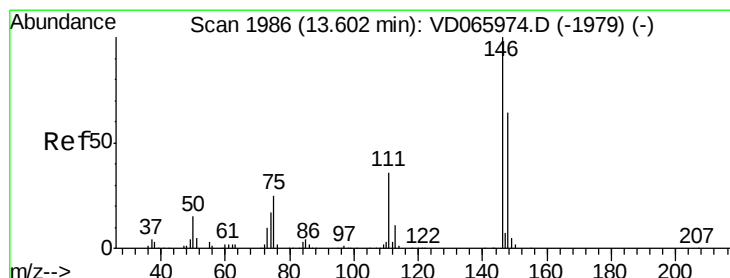
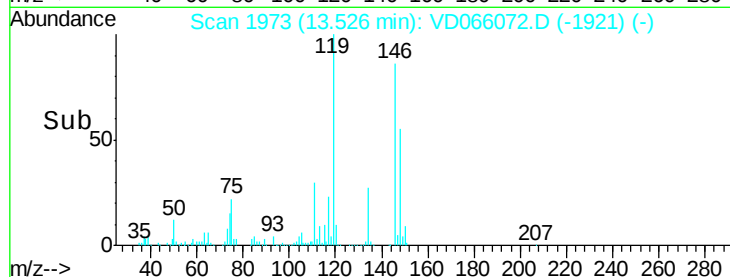
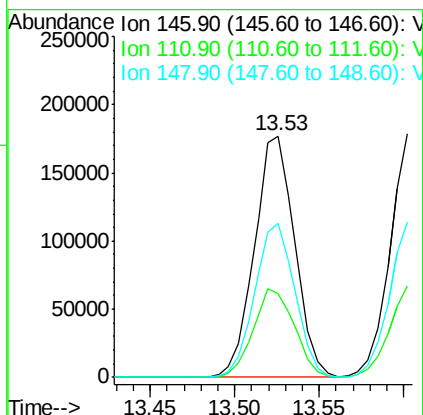
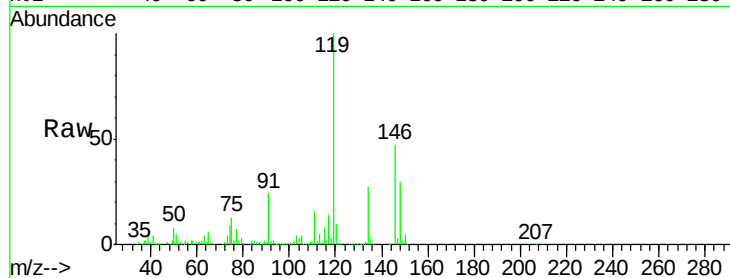




#87
 1,3-Dichlorobenzene
 Concen: 53.000 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD066072.D
 Acq: 28 Jul 2020 11:11

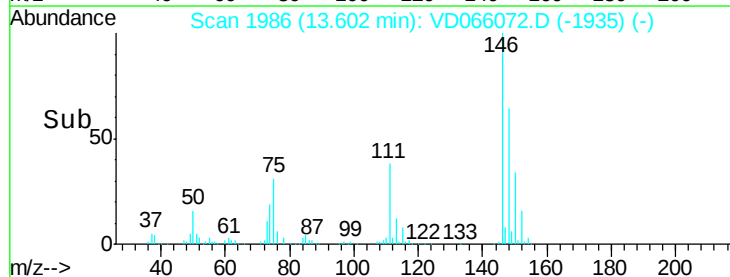
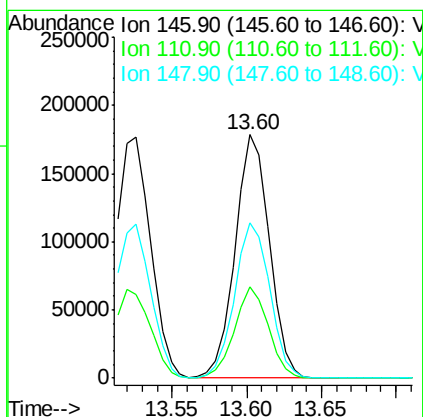
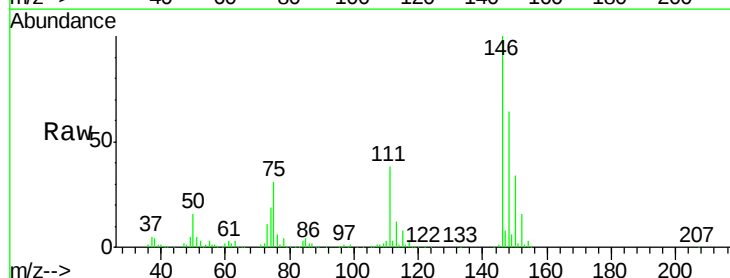
Instrument :
 MSVOA_D
 ClientSampleId :

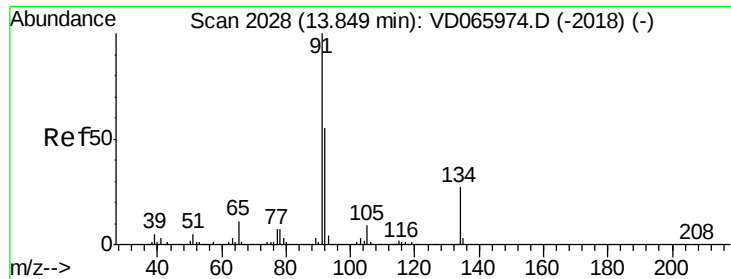
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.6	55.6
148	63.7	32.4	97.0



#88
 1,4-Dichlorobenzene
 Concen: 51.061 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD066072.D
 Acq: 28 Jul 2020 11:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.8	56.4
148	65.7	32.2	96.6

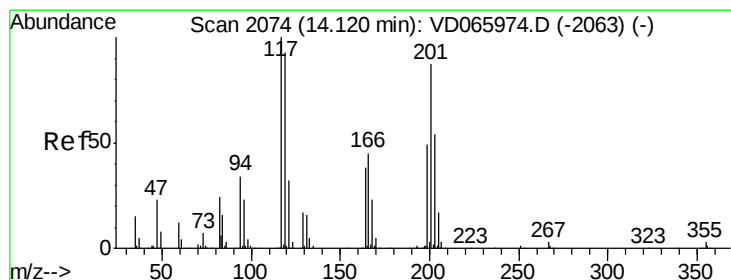
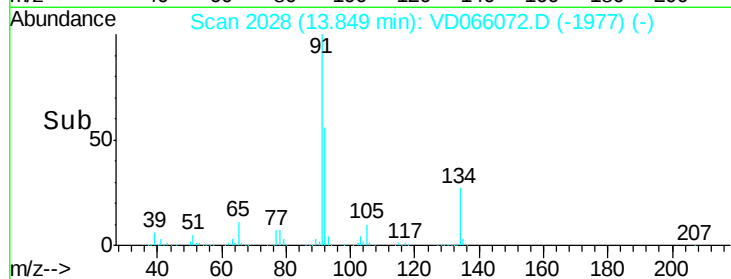
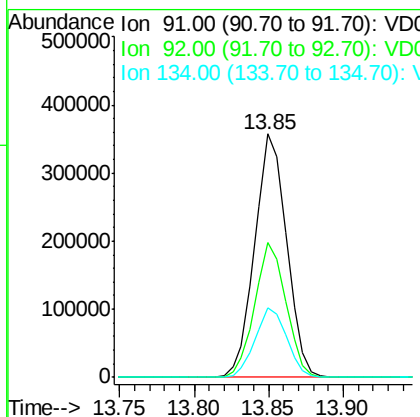
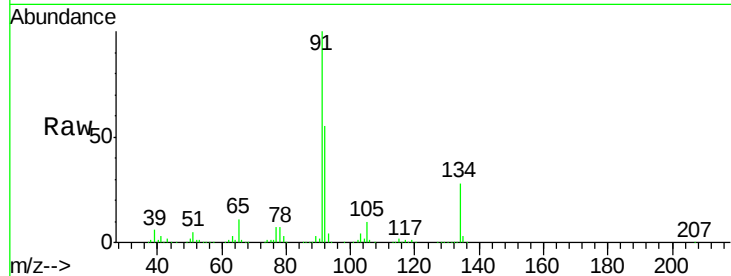




#89
n-Butylbenzene
Concen: 54.046 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD066072.D
Acq: 28 Jul 2020 11:11

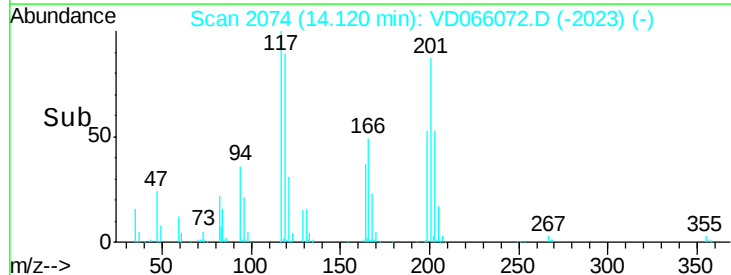
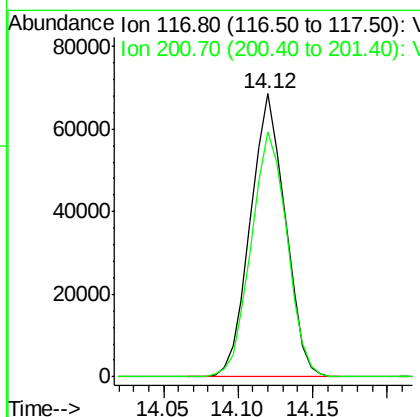
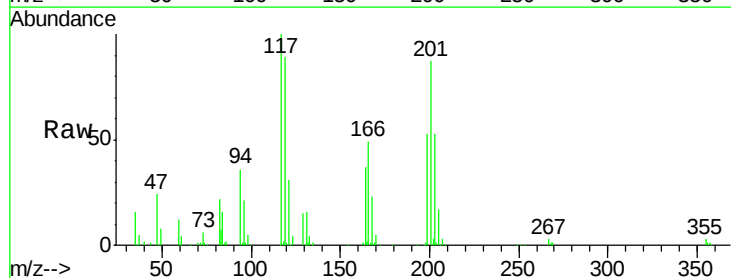
Instrument :
MSVOA_D
ClientSampled :

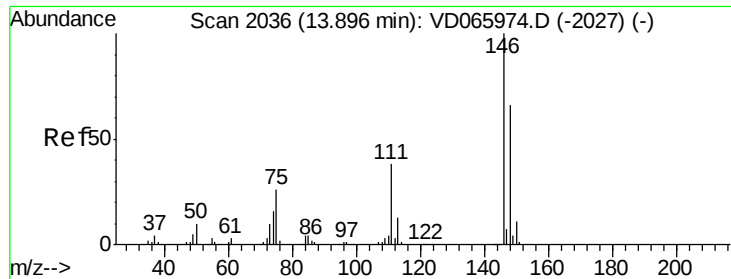
Tot Ion: 91 Resp: 526351
Ion Ratio Lower Upper
91 100
92 54.5 27.2 81.6
134 28.5 13.8 41.4



#90
Hexachloroethane
Concen: 51.239 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD066072.D
Acq: 28 Jul 2020 11:11

Tgt Ion: 117 Resp: 111099
Ion Ratio Lower Upper
117 100
201 88.9 42.0 126.1





#91

1,2-Dichlorobenzene

Concen: 52.680 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VD066072.D

Acq: 28 Jul 2020 11:11

Instrument :

MSVOA_D

ClientSampled :

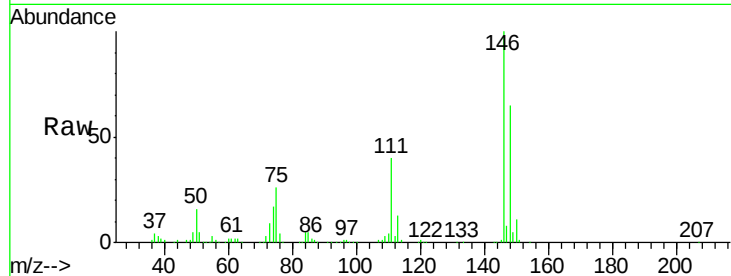
Tot Ion:146 Resp: 252169

Ion Ratio Lower Upper

146 100

111 39.6 19.3 57.9

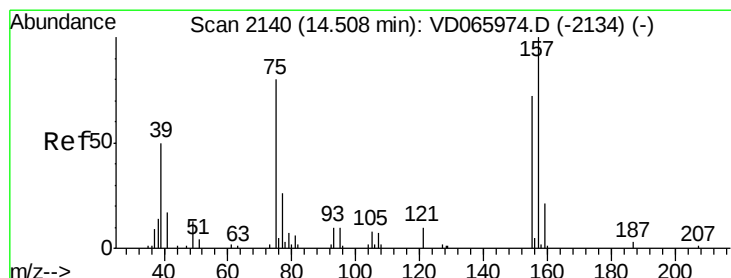
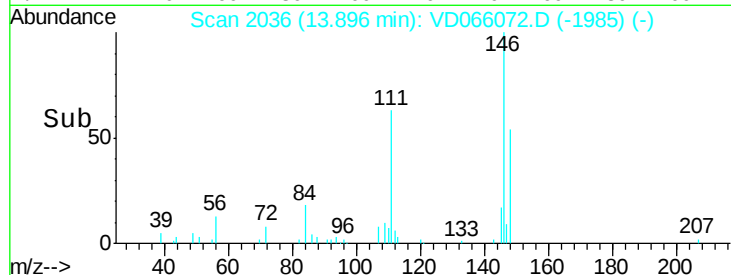
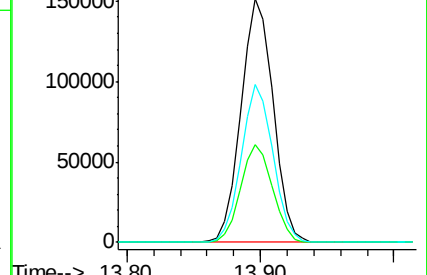
148 63.7 32.7 98.1



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: 53.271 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. 0.01 min

Lab File: VD066072.D

Acq: 28 Jul 2020 11:11

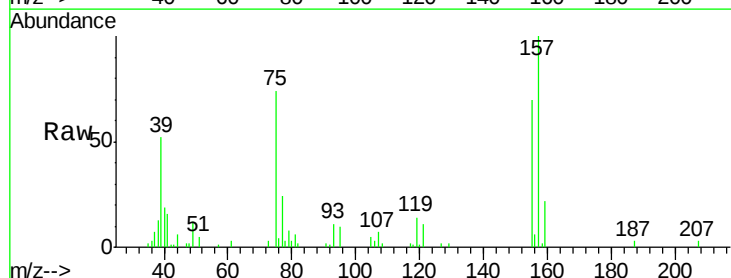
Tgt Ion: 75 Resp: 16798

Ion Ratio Lower Upper

75 100

155 99.9 48.5 145.5

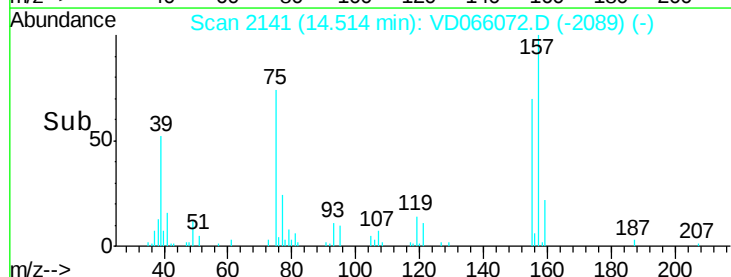
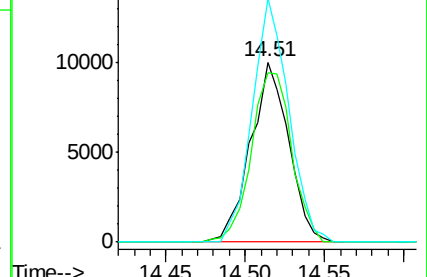
157 129.2 64.7 194.1

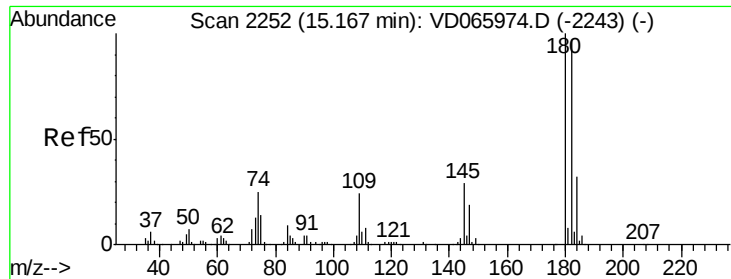


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

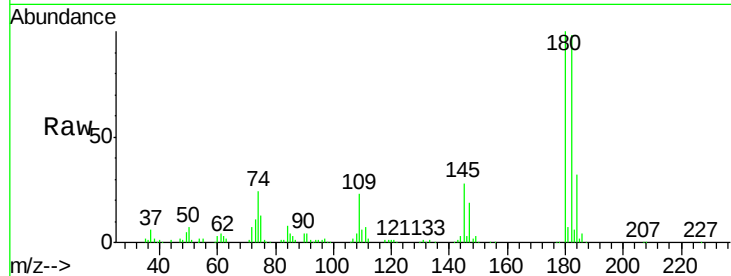




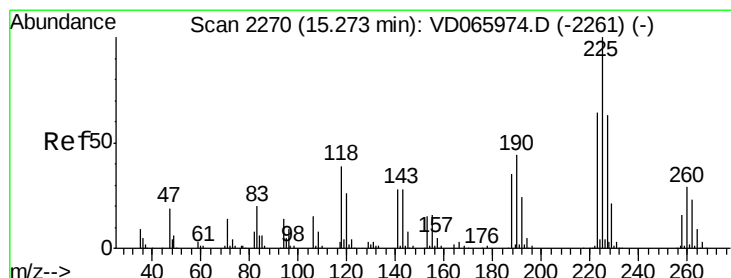
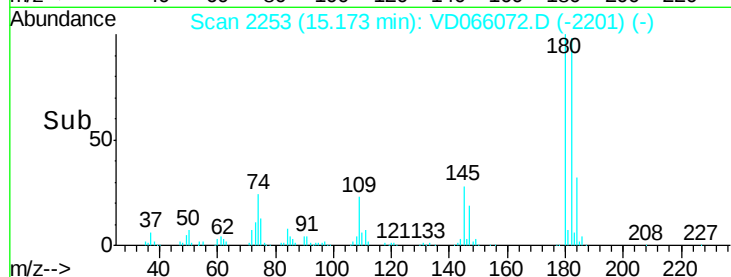
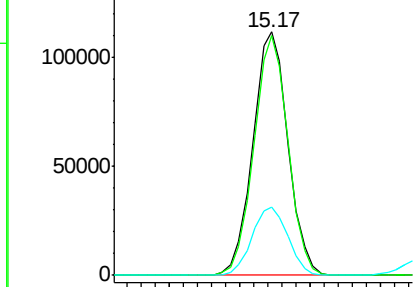
#93
 1,2,4-Trichlorobenzene
 Concen: 56.573 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD066072.D
 Acq: 28 Jul 2020 11:11

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	48.1	144.3
145	29.0	14.7	44.1

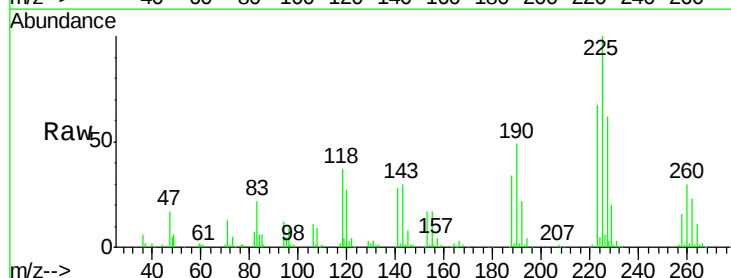


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

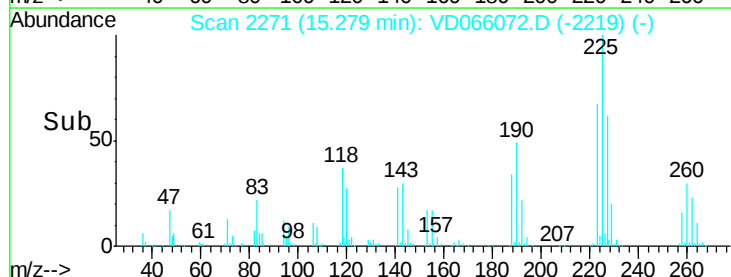
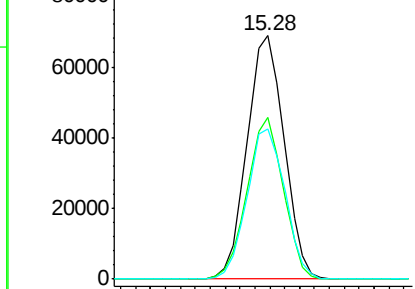


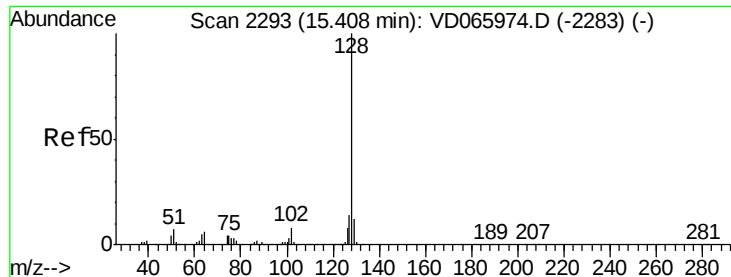
#94
 Hexachlorobutadiene
 Concen: 55.784 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD066072.D
 Acq: 28 Jul 2020 11:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.7	31.2	93.6
227	63.3	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: 52.462 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066072.D

Acq: 28 Jul 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

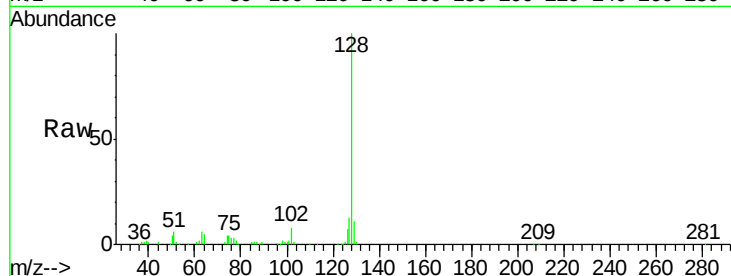
Tot Ion:128 Resp: 321703

Ion Ratio Lower Upper

128 100

127 13.6 10.8 16.2

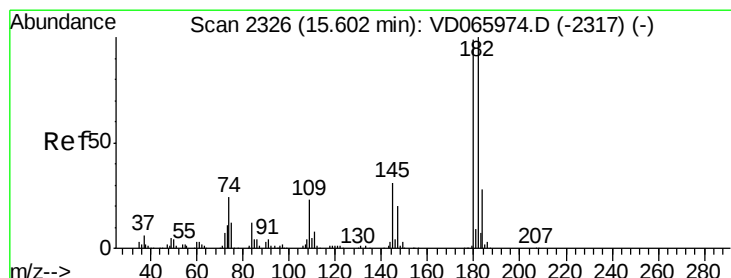
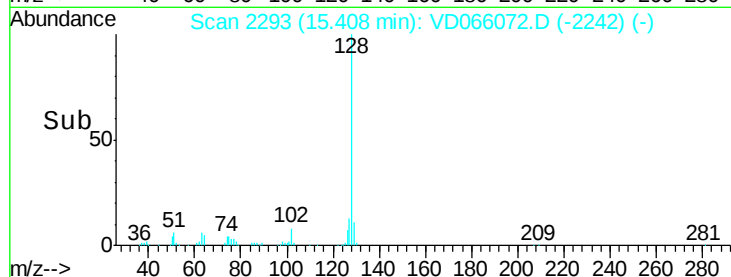
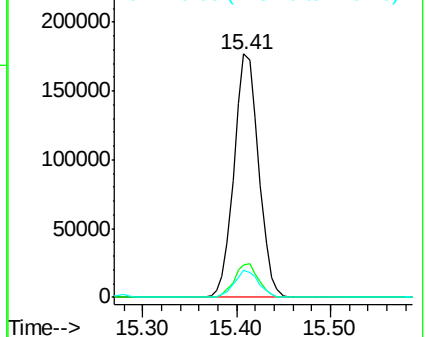
129 11.0 8.9 13.3



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: 56.303 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VD066072.D

Acq: 28 Jul 2020 11:11

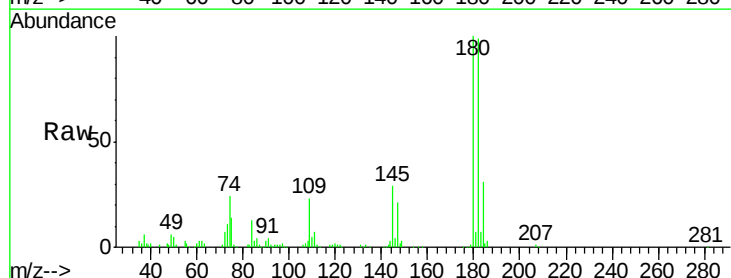
Tgt Ion:180 Resp: 168178

Ion Ratio Lower Upper

180 100

182 96.6 47.9 143.6

145 31.0 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

