

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091420\
 Data File : VD066681.D
 Acq On : 14 Sep 2020 20:36
 Operator : VA/SY
 Sample : VD0914SBS02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 15 02:40:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	348162	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	585493	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	531962	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	246485	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	246145	58.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.86%	
35) Dibromofluoromethane	7.91	113	226813	57.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.84%	
50) Toluene-d8	10.34	98	800321	56.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.38%	
62) 4-Bromofluorobenzene	12.63	95	272239	58.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	70604	22.380	ug/l	84
3) Chloromethane	2.21	50	94182	21.390	ug/l	98
4) Vinyl Chloride	2.35	62	104205	21.338	ug/l	98
5) Bromomethane	2.76	94	73392	21.147	ug/l	85
6) Chloroethane	2.92	64	66853	21.553	ug/l	94
7) Trichlorofluoromethane	3.27	101	151554	21.008	ug/l	93
8) Diethyl Ether	3.71	74	37175	20.464	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	82360	21.094	ug/l	99
10) Methyl Iodide	4.30	142	72476	22.736	ug/l	99
11) Tert butyl alcohol	5.22	59	35310	108.265	ug/l #	74
12) 1,1-Dichloroethene	4.06	96	72938	20.793	ug/l	97
13) Acrolein	3.92	56	14288	82.954	ug/l	93
14) Allyl chloride	4.71	41	120512	20.963	ug/l	95
15) Acrylonitrile	5.43	53	83983	107.618	ug/l	99
16) Acetone	4.16	43	73588	94.943	ug/l #	87
17) Carbon Disulfide	4.40	76	234600	20.344	ug/l	99
18) Methyl Acetate	4.71	43	43020	23.284	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	180777	21.977	ug/l	97
20) Methylene Chloride	4.96	84	117217	24.356	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	88714	21.298	ug/l	95
22) Diisopropyl ether	6.37	45	257789	21.806	ug/l	98
23) Vinyl Acetate	6.30	43	730732	108.619	ug/l	99
24) 1,1-Dichloroethane	6.26	63	162977	21.922	ug/l	100
25) 2-Butanone	7.21	43	104339	100.282	ug/l	99
26) 2,2-Dichloropropane	7.21	77	134533	19.728	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	98853	22.068	ug/l	98
28) Bromochloromethane	7.54	49	57021	19.922	ug/l	99
29) Tetrahydrofuran	7.56	42	69494	107.246	ug/l	99
30) Chloroform	7.71	83	171833	21.848	ug/l	96
31) Cyclohexane	7.98	56	136208	19.820	ug/l #	94
32) 1,1,1-Trichloroethane	7.90	97	158320	21.410	ug/l	98
36) 1,1-Dichloropropene	8.11	75	128705	21.123	ug/l	99
37) Ethyl Acetate	7.29	43	52136	21.488	ug/l #	94
38) Carbon Tetrachloride	8.09	117	136768	21.236	ug/l	99

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.35	83	134532	19.773	ug/l	93
40) Benzene	8.35	78	349657	20.953	ug/l	98
41) Methacrylonitrile	7.52	41	23057	19.632	ug/l #	59
42) 1,2-Dichloroethane	8.42	62	117031	21.644	ug/l	100
43) Isopropyl Acetate	8.45	43	98580	21.201	ug/l	97
44) Trichloroethene	9.11	130	93247	21.302	ug/l	91
45) 1,2-Dichloropropane	9.38	63	90973	21.677	ug/l	97
46) Dibromomethane	9.47	93	50141	21.656	ug/l	97
47) Bromodichloromethane	9.66	83	139482	22.266	ug/l	96
48) Methyl methacrylate	9.46	41	46765	19.890	ug/l #	89
49) 1,4-Dioxane	9.46	88	10447	411.276	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	248612	106.019	ug/l	100
52) Toluene	10.40	92	227797	21.564	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	116117	20.998	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	140506	21.158	ug/l	91
55) 1,1,2-Trichloroethane	10.80	97	65565	22.024	ug/l	92
56) Ethyl methacrylate	10.66	69	72837	21.013	ug/l	92
57) 1,3-Dichloropropane	10.94	76	114309	21.922	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	207003	130.565	ug/l	99
59) 2-Hexanone	10.98	43	165216	104.769	ug/l	97
60) Dibromochloromethane	11.14	129	84539	21.475	ug/l	97
61) 1,2-Dibromoethane	11.25	107	62661	21.635	ug/l	98
64) Tetrachloroethene	10.87	164	75725	21.142	ug/l	93
65) Chlorobenzene	11.67	112	233192	21.239	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	88807	21.194	ug/l	98
67) Ethyl Benzene	11.74	91	416144	20.642	ug/l	98
68) m/p-Xylenes	11.86	106	313094	41.827	ug/l	94
69) o-Xylene	12.18	106	140797	20.988	ug/l	93
70) Styrene	12.20	104	251737	21.585	ug/l	99
71) Bromoform	12.36	173	44656	21.146	ug/l #	100
73) Isopropylbenzene	12.48	105	394285	21.605	ug/l	100
74) N-amyl acetate	12.29	43	86180	20.850	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	68600	21.277	ug/l	95
76) 1,2,3-Trichloropropane	12.78	75	94374	39.811	ug/l #	100
77) Bromobenzene	12.76	156	90413	22.222	ug/l	99
78) n-propylbenzene	12.82	91	484202	21.887	ug/l	99
79) 2-Chlorotoluene	12.91	91	275998	22.238	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	337158	21.950	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	21437	21.113	ug/l	98
82) 4-Chlorotoluene	13.00	91	290355	21.878	ug/l	99
83) tert-Butylbenzene	13.23	119	272595	21.733	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	332251	21.726	ug/l	99
85) sec-Butylbenzene	13.40	105	382477	21.165	ug/l	100
86) p-Isopropyltoluene	13.52	119	347117	21.341	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	172598	21.368	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	170143	20.987	ug/l	98
89) n-Butylbenzene	13.84	91	331595	20.920	ug/l	98
90) Hexachloroethane	14.11	117	74845	21.356	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	148989	21.103	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.50	75	11440	20.888	ug/l	96

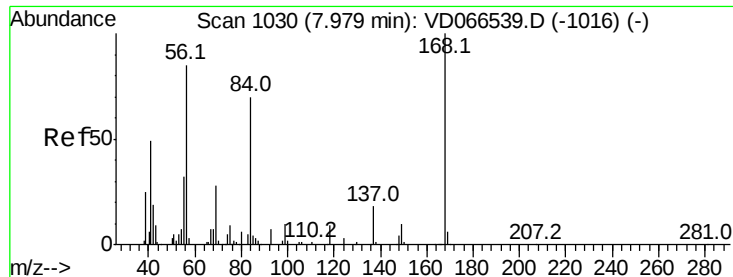
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD091420\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	91966	21.705	ug/l	97
94) Hexachlorobutadiene	15.27	225	52659	20.687	ug/l	97
95) Naphthalene	15.41	128	157922	21.329	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	75387	20.869	ug/l	97

(#) = 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: VD066681.D

Acq: 14 Sep 2020 20:36

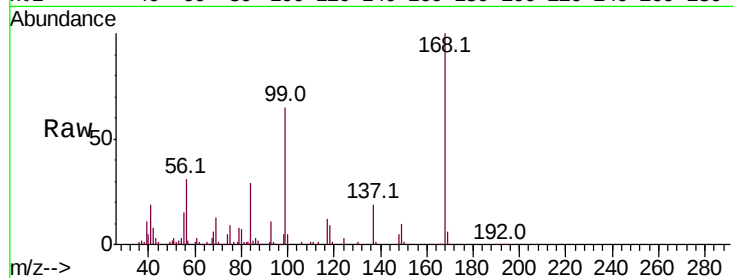
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 348162

Ion Ratio Lower Upper

168 100

99 64.8 50.5 75.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

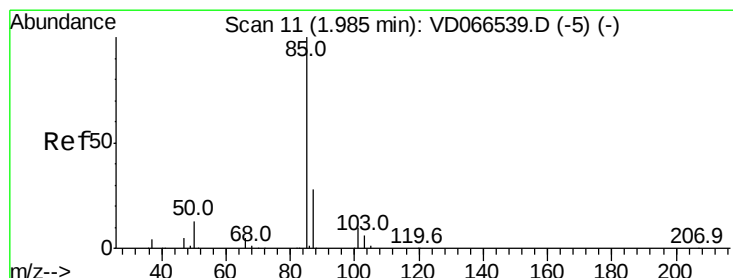
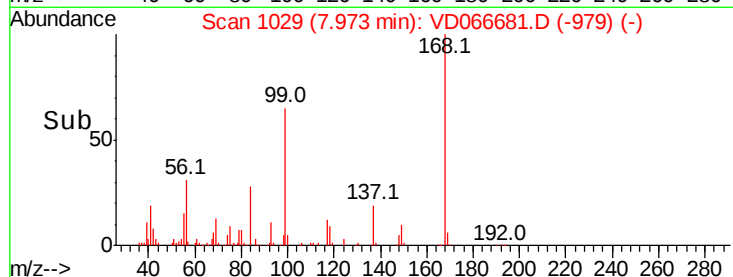
150000

100000

50000

0

Time--> 7.85 7.90 7.95 8.00 8.05



#2

Dichlorodifluoromethane

Concen: 22.380 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066681.D

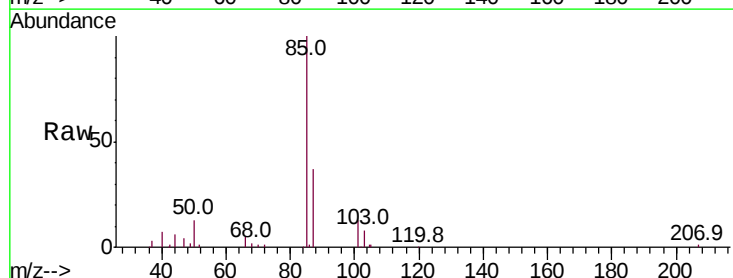
Acq: 14 Sep 2020 20:36

Tgt Ion: 85 Resp: 70604

Ion Ratio Lower Upper

85 100

87 36.8 14.2 42.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

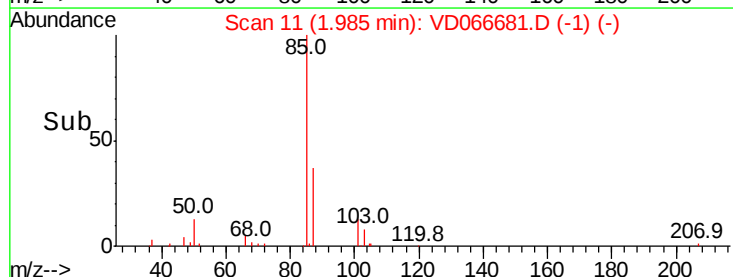
30000

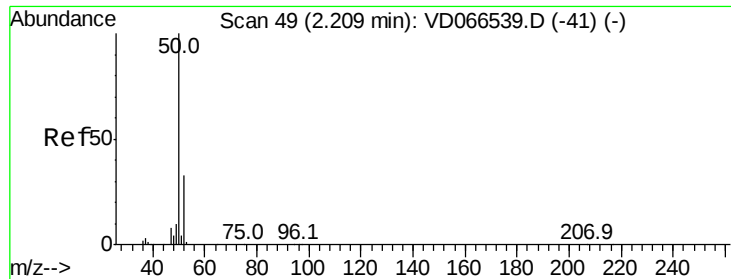
20000

10000

0

Time--> 1.90 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 21.390 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD066681.D

Acq: 14 Sep 2020 20:36

Instrument :

MSVOA_D

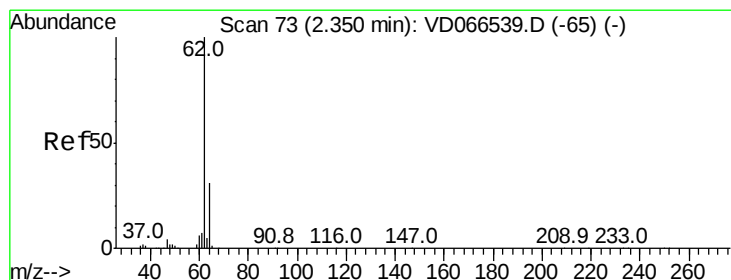
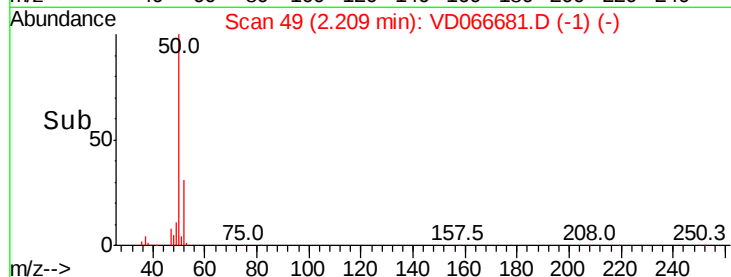
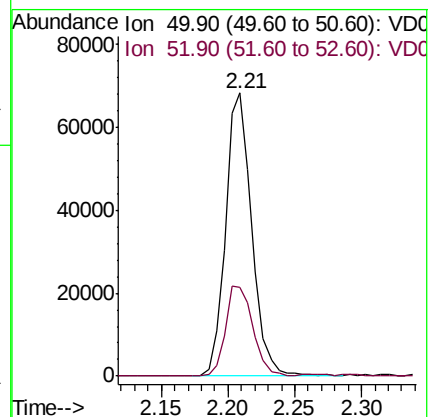
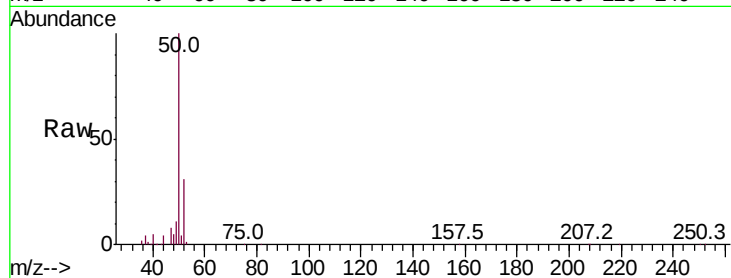
ClientSampleId :

Tot Ion: 50 Resp: 94182

Ion Ratio Lower Upper

50 100

52 31.5 26.2 39.2



#4

Vinyl Chloride

Concen: 21.338 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066681.D

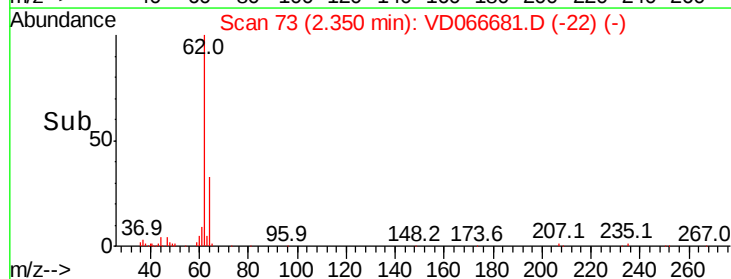
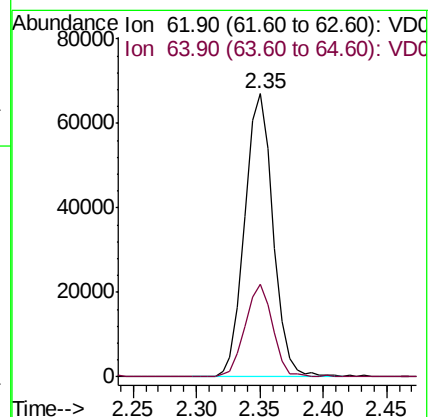
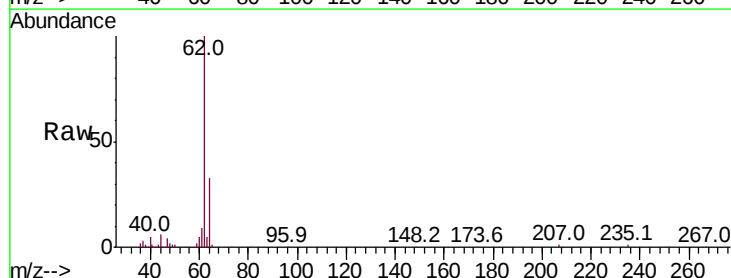
Acq: 14 Sep 2020 20:36

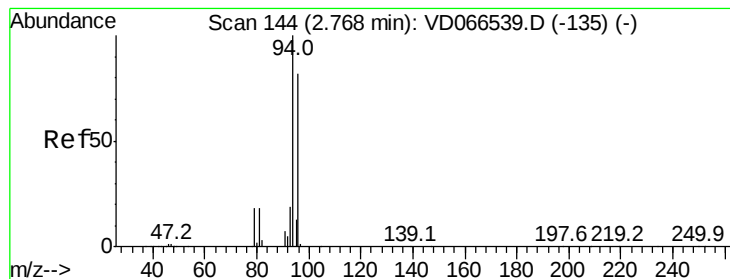
Tgt Ion: 62 Resp: 104205

Ion Ratio Lower Upper

62 100

64 32.9 25.3 37.9





#5

Bromomethane

Concen: 21.147 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD066681.D

Acq: 14 Sep 2020 20:36

Instrument :

MSVOA_D

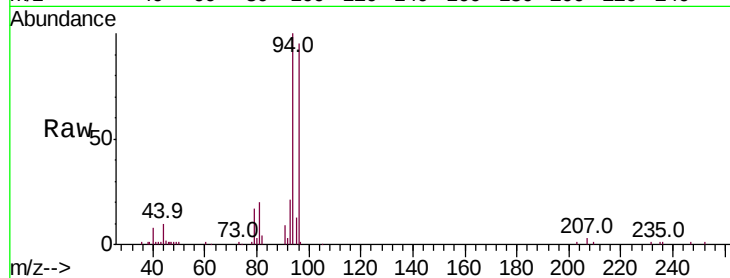
ClientSampleId :

Tot Ion: 94 Resp: 73392

Ion Ratio Lower Upper

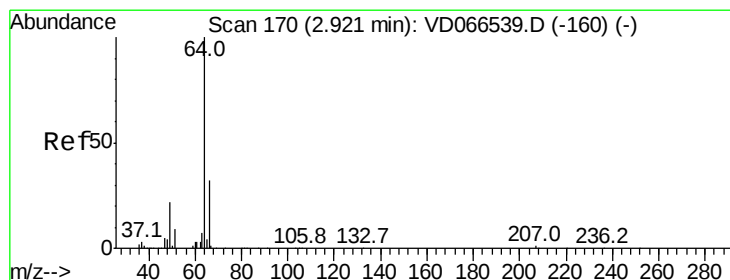
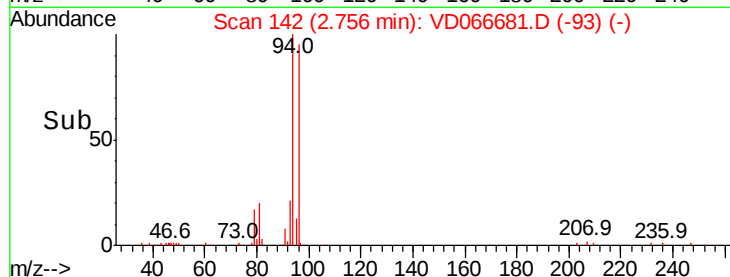
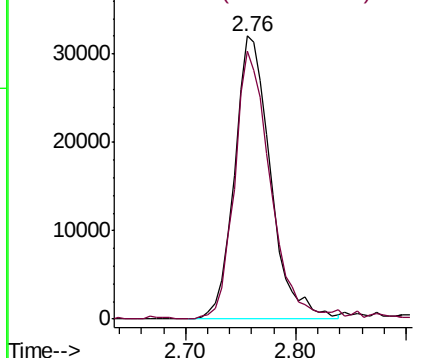
94 100

96 94.6 65.2 97.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.553 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD066681.D

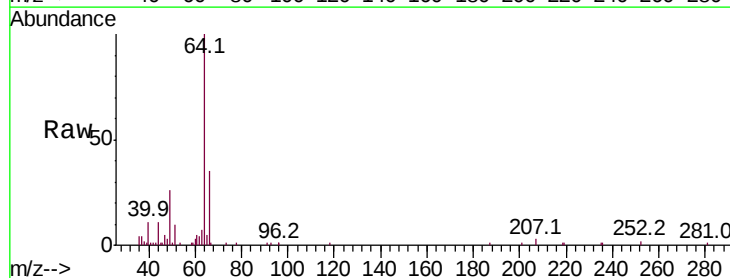
Acq: 14 Sep 2020 20:36

Tgt Ion: 64 Resp: 66853

Ion Ratio Lower Upper

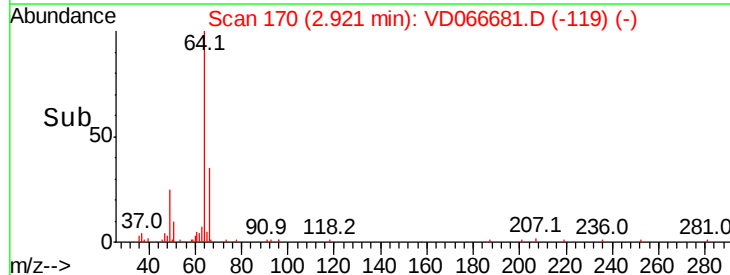
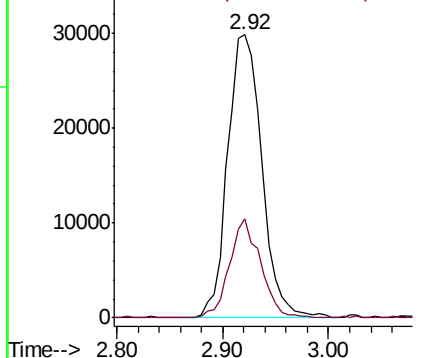
64 100

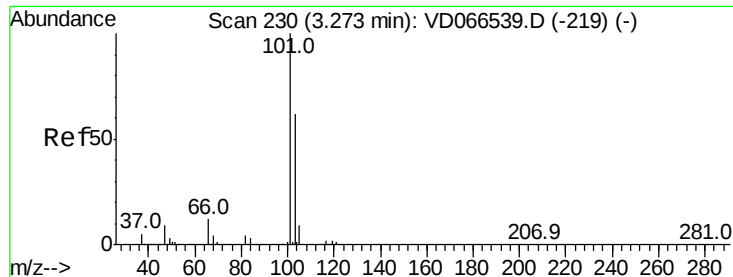
66 34.8 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 21.008 ug/l

RT: 3.27 min Scan# 229

Delta R.T. -0.01 min

Lab File: VD066681.D

Acq: 14 Sep 2020 20:36

Instrument :

MSVOA_D

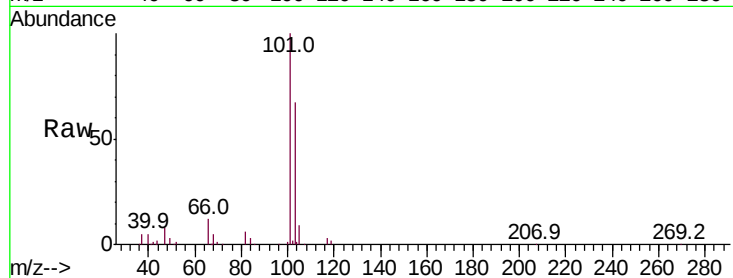
ClientSampleId :

Tot Ion:101 Resp: 151554

Ion Ratio Lower Upper

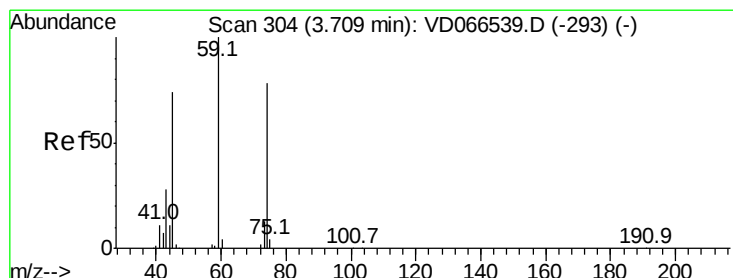
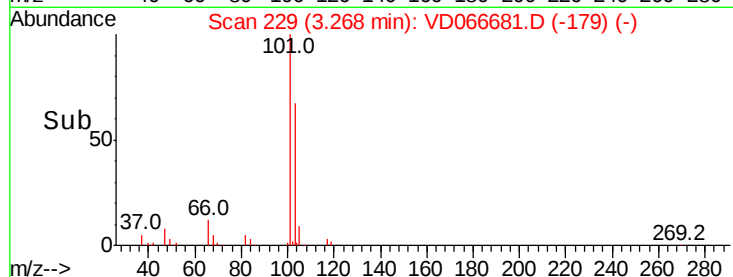
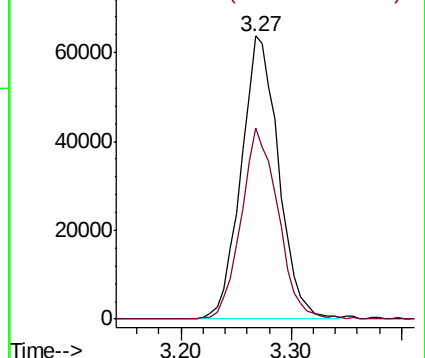
101 100

103 67.4 49.7 74.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 20.464 ug/l

RT: 3.71 min Scan# 304

Delta R.T. 0.00 min

Lab File: VD066681.D

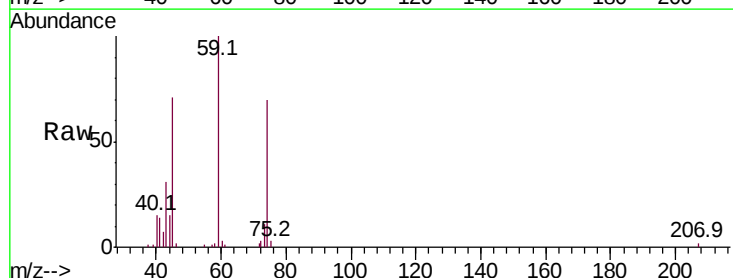
Acq: 14 Sep 2020 20:36

Tgt Ion: 74 Resp: 37175

Ion Ratio Lower Upper

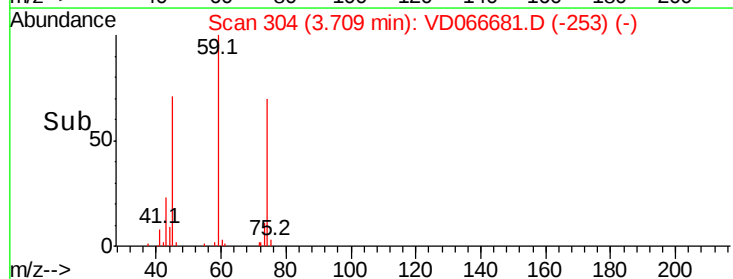
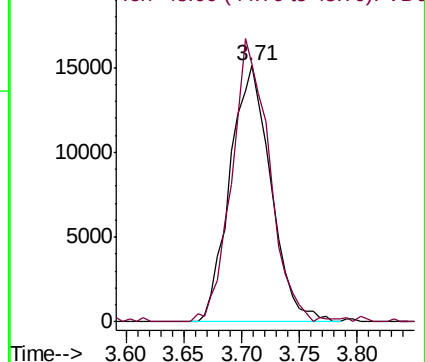
74 100

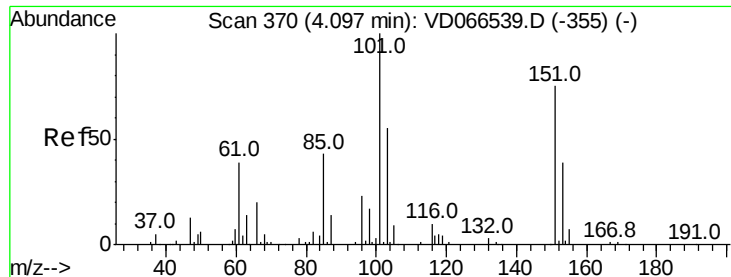
45 101.4 49.7 149.1



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: 21.094 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD066681.D

Acq: 14 Sep 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

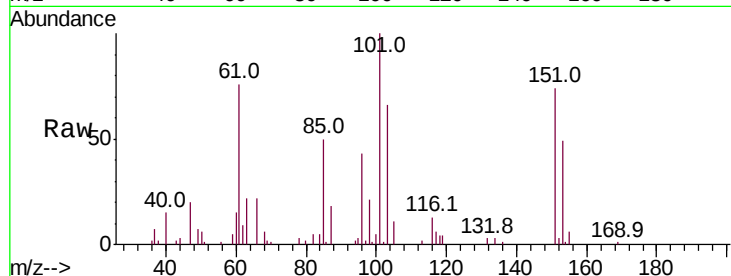
Tot Ion:101 Resp: 82360

Ion Ratio Lower Upper

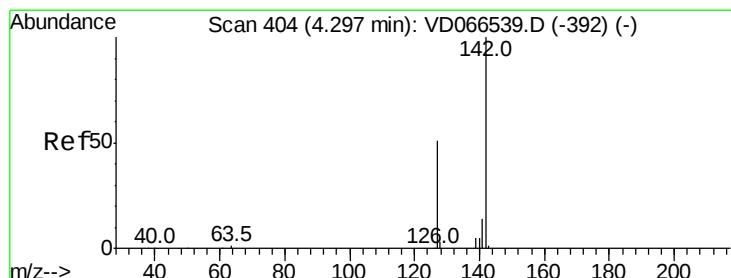
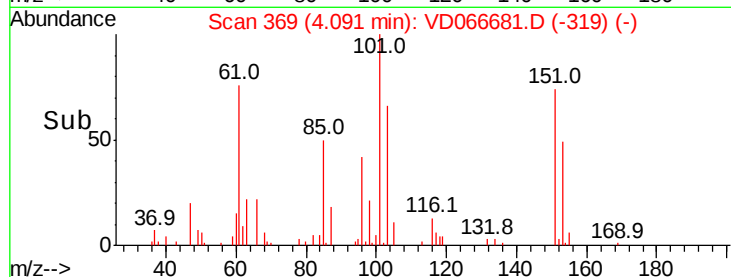
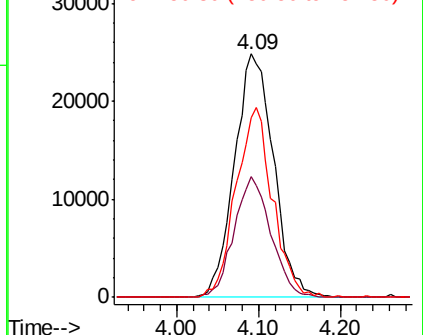
101 100

85 46.8 37.0 55.6

151 72.9 59.4 89.2



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: 22.736 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD066681.D

Acq: 14 Sep 2020 20:36

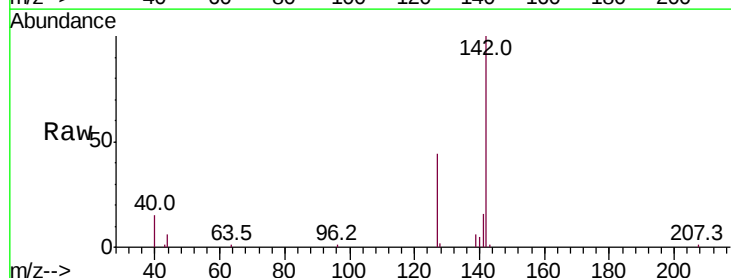
Tgt Ion:142 Resp: 72476

Ion Ratio Lower Upper

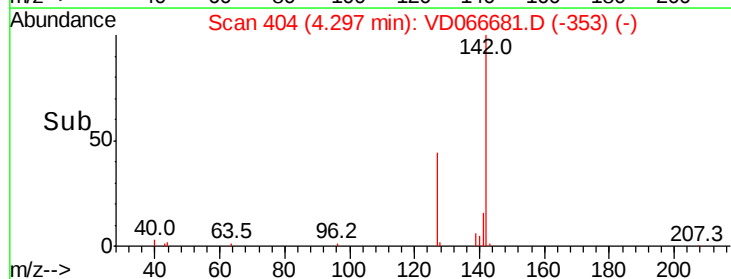
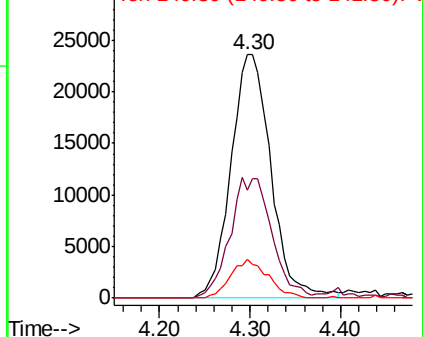
142 100

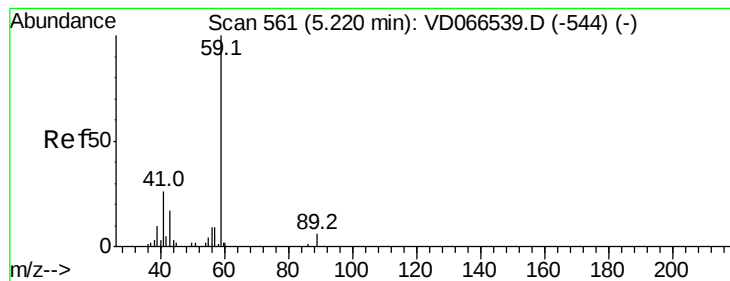
127 51.3 40.6 61.0

141 14.9 12.2 18.4



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



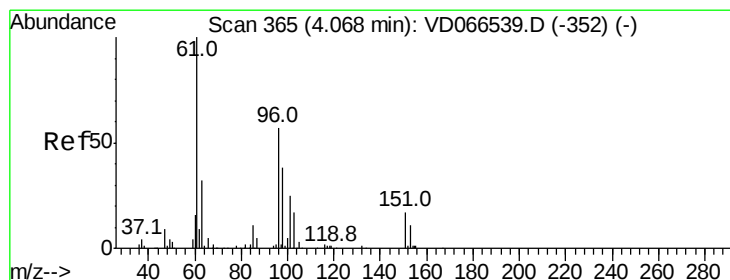
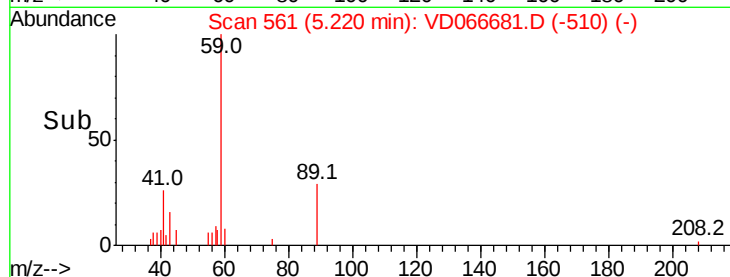
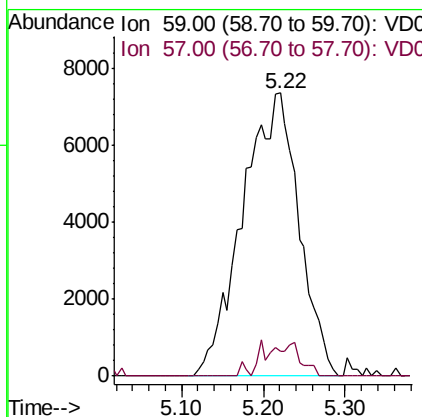
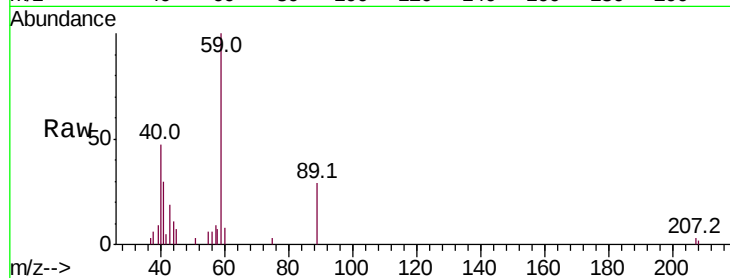


#11

Tert butyl alcohol
 Concen: 108.265 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. 0.00 min
 Lab File: VD066681.D
 Acq: 14 Sep 2020 20:36

Instrument :
 MSVOA_D
 ClientSampleId :

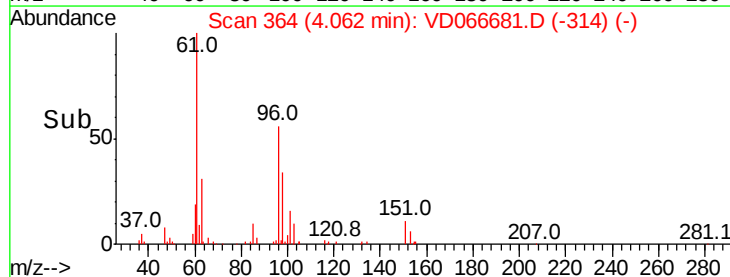
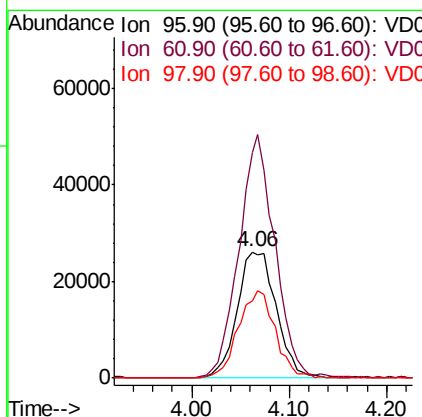
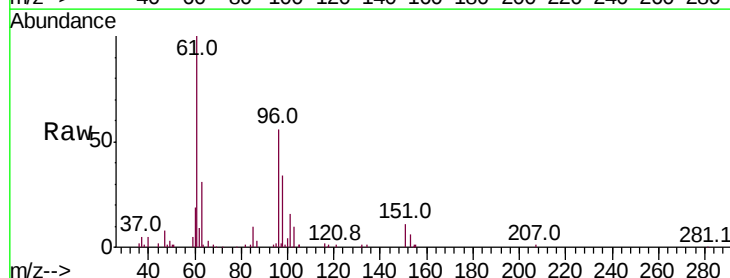
Tot Ion: 59 Resp: 35310
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.6 11.4#

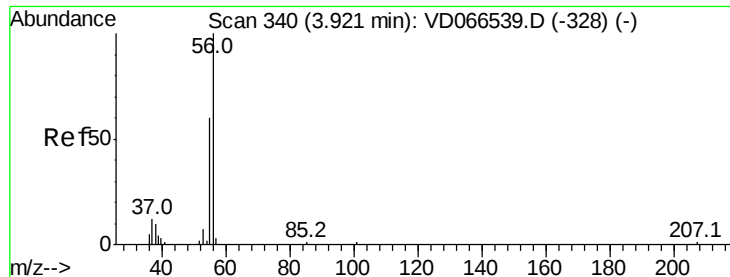


#12

1,1-Dichloroethene
 Concen: 20.793 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VD066681.D
 Acq: 14 Sep 2020 20:36

Tgt Ion: 96 Resp: 72938
 Ion Ratio Lower Upper
 96 100
 61 178.4 140.9 211.3
 98 60.9 53.2 79.8





#13

Acrolein

Concen: 82.954 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD066681.D

Acq: 14 Sep 2020 20:36

Instrument :

MSVOA_D

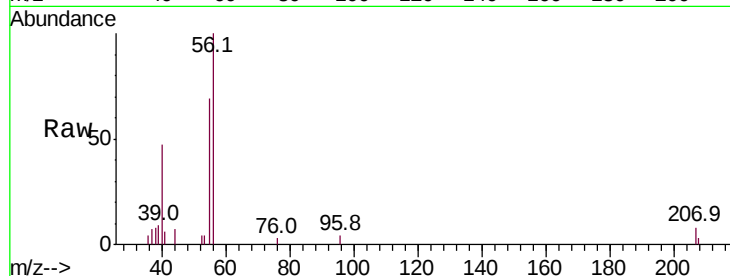
ClientSampleId :

Tot Ion: 56 Resp: 14288

Ion Ratio Lower Upper

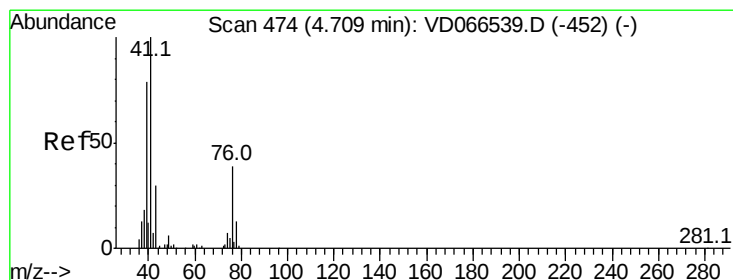
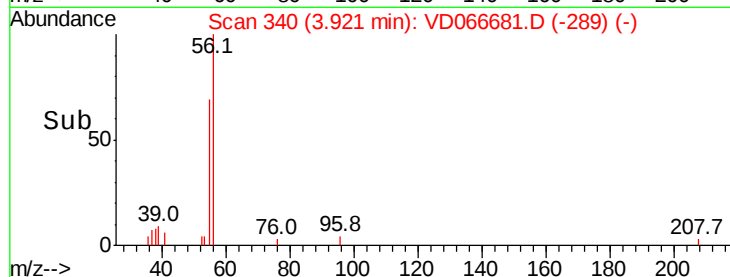
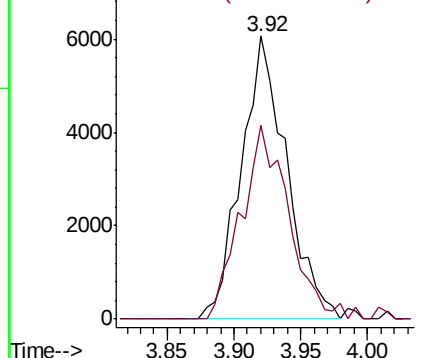
56 100

55 72.4 53.6 80.4



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.963 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD066681.D

Acq: 14 Sep 2020 20:36

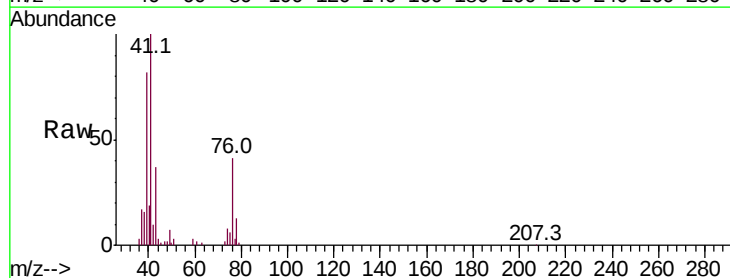
Tgt Ion: 41 Resp: 120512

Ion Ratio Lower Upper

41 100

39 82.8 61.9 92.9

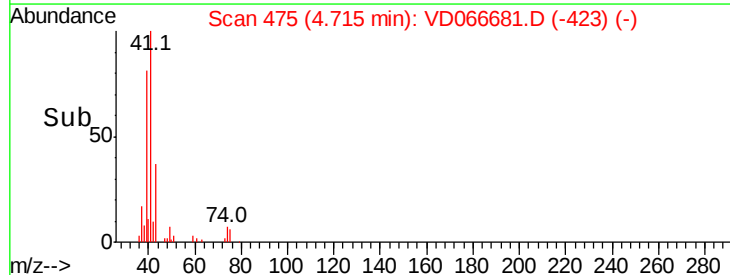
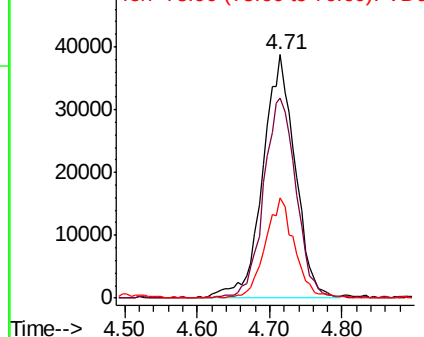
76 37.1 29.0 43.6

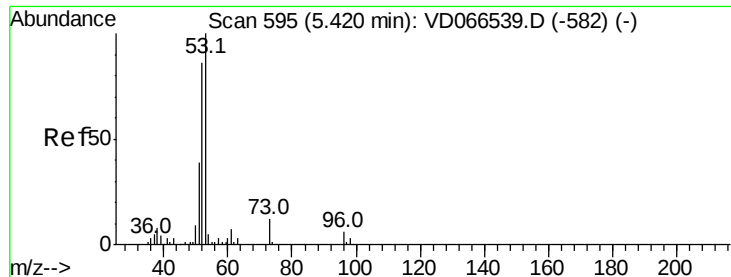


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 107.618 ug/l

RT: 5.43 min Scan# 596

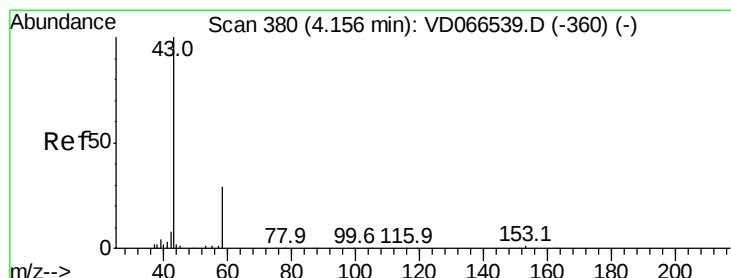
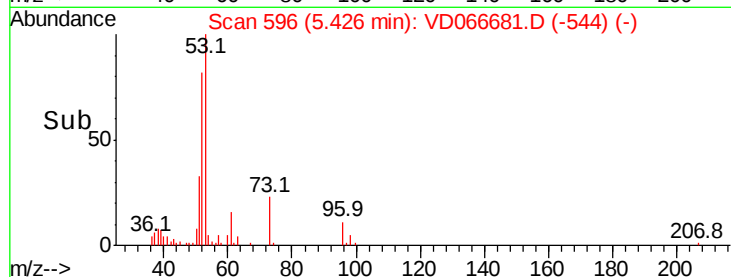
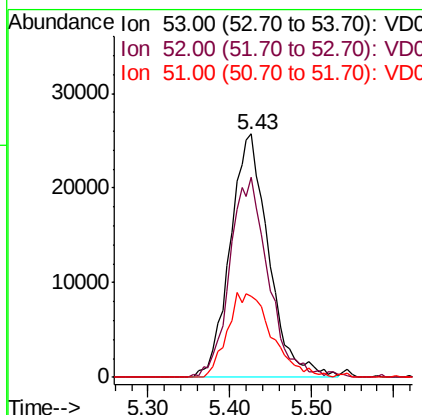
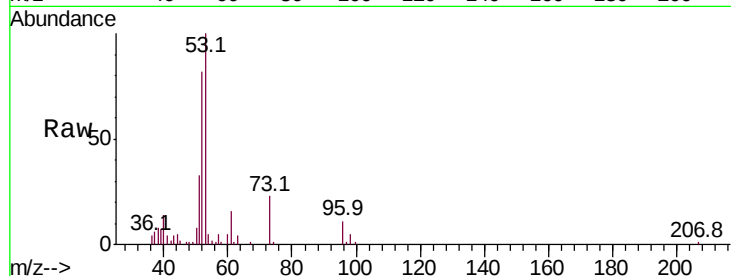
Delta R.T. 0.01 min

Lab File: VD066681.D

Acq: 14 Sep 2020 20:36

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	53	Resp:	83983
Ion	Ratio	Lower	Upper
53	100		
52	81.7	65.4	98.2
51	40.3	31.2	46.8



#16

Acetone

Concen: 94.943 ug/l

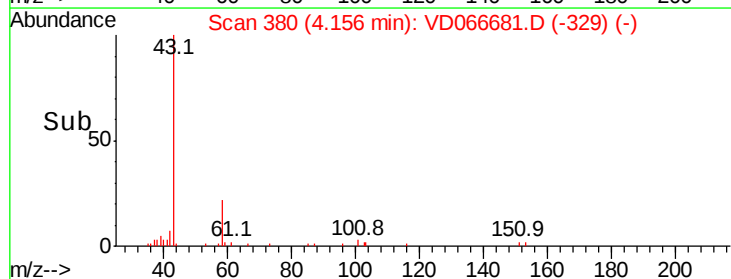
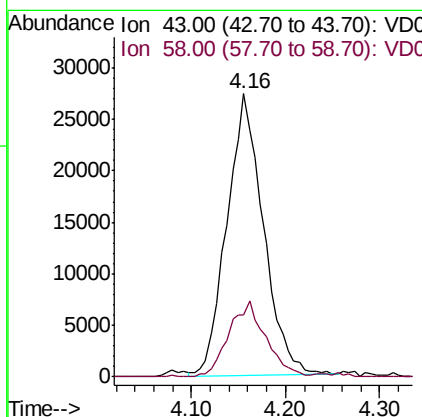
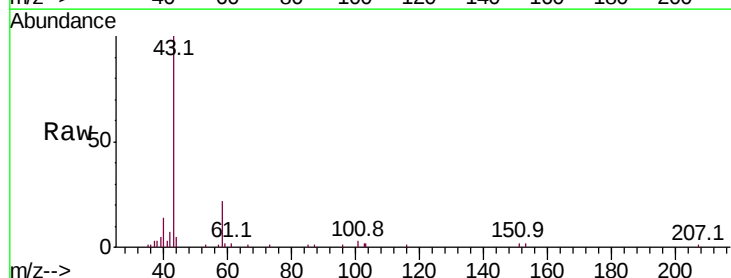
RT: 4.16 min Scan# 380

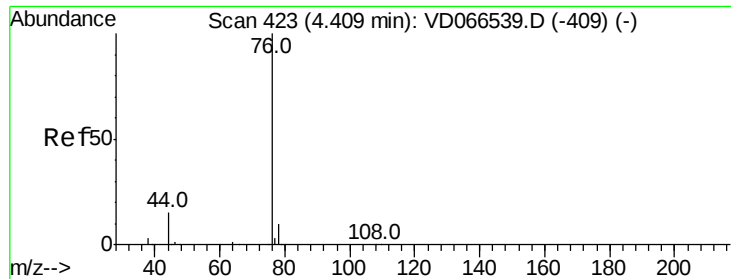
Delta R.T. 0.00 min

Lab File: VD066681.D

Acq: 14 Sep 2020 20:36

Tgt Ion:	43	Resp:	73588
Ion	Ratio	Lower	Upper
43	100		
58	21.9	22.9	34.3#

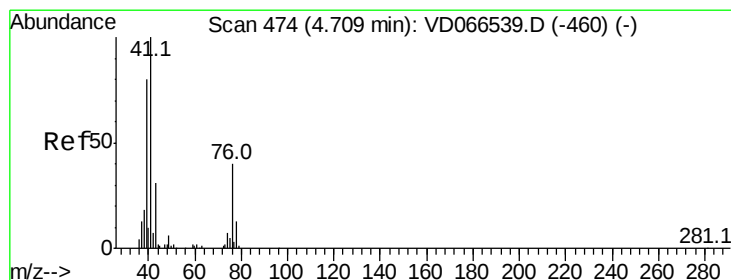
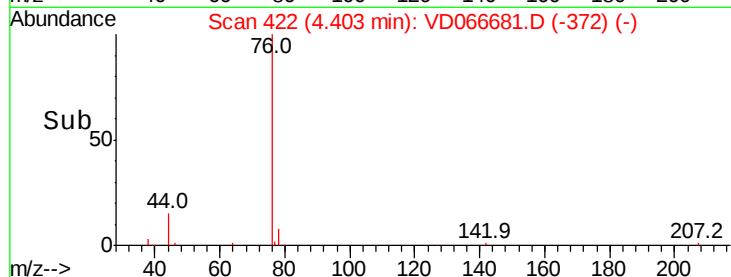
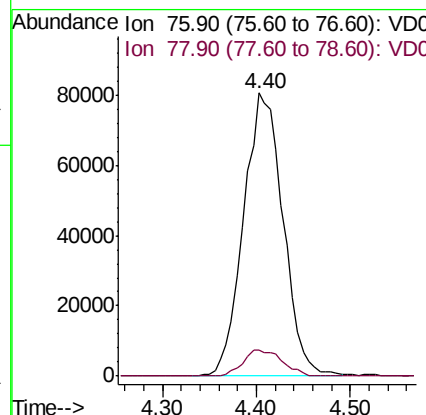
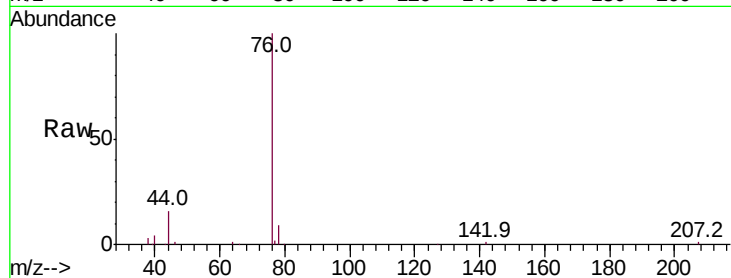




#17
Carbon Disulfide
Concen: 20.344 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD066681.D
Acq: 14 Sep 2020 20:36

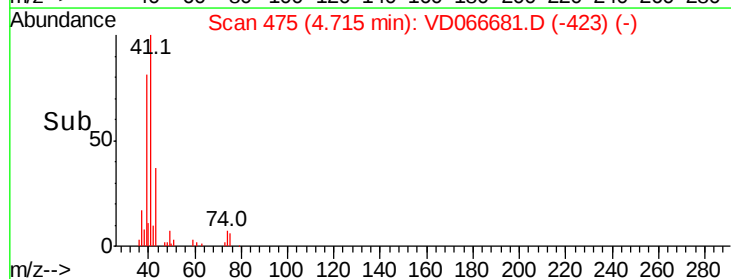
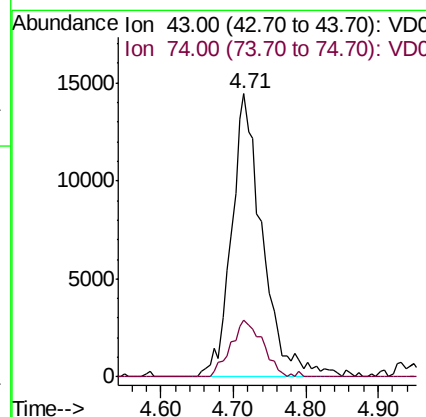
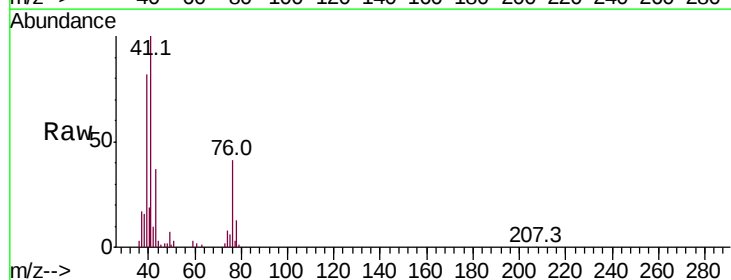
Instrument :
MSVOA_D
ClientSampleId :

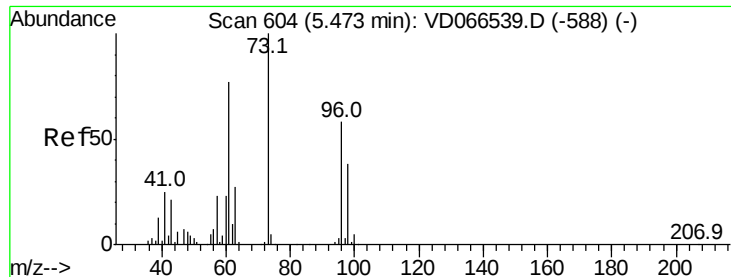
Tot Ion: 76 Resp: 234600
Ion Ratio Lower Upper
76 100
78 9.0 7.6 11.4



#18
Methyl Acetate
Concen: 23.284 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.01 min
Lab File: VD066681.D
Acq: 14 Sep 2020 20:36

Tgt Ion: 43 Resp: 43020
Ion Ratio Lower Upper
43 100
74 20.5 18.0 27.0



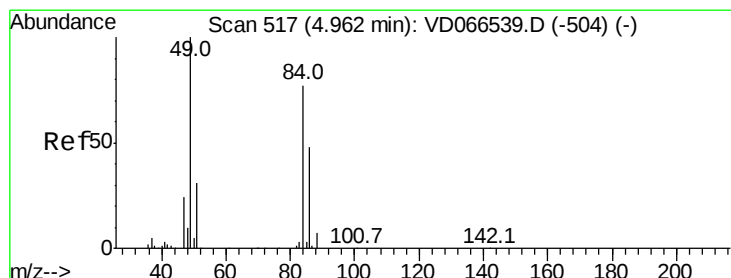
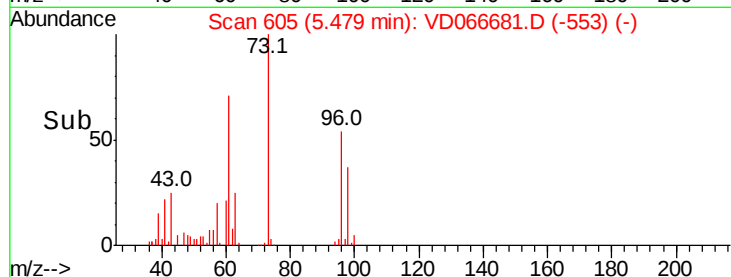
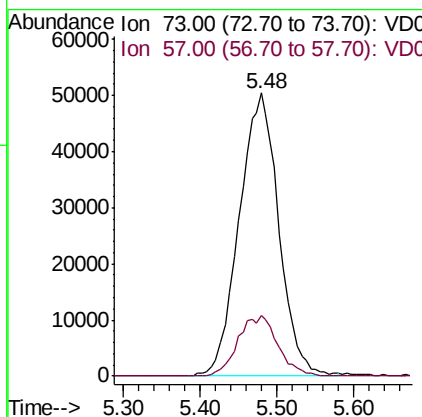
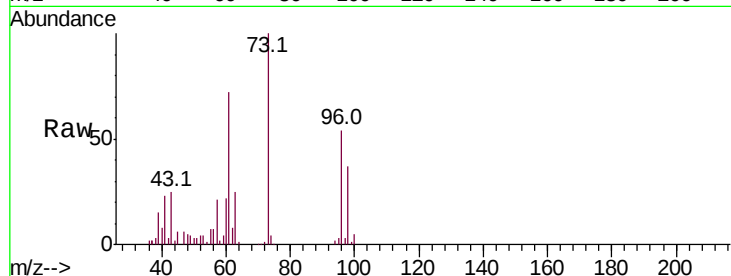


#19

Methyl tert-butyl Ether
 Concen: 21.977 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. 0.01 min
 Lab File: VD066681.D
 Acq: 14 Sep 2020 20:36

Instrument :
 MSVOA_D
 ClientSampleId :

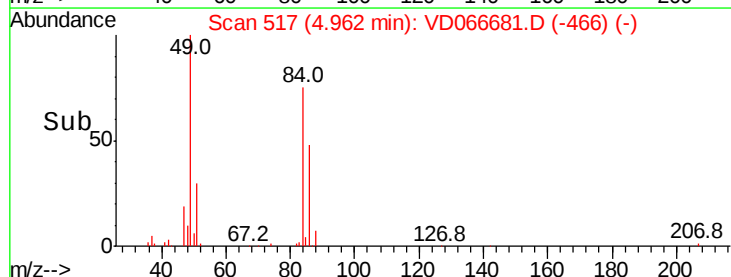
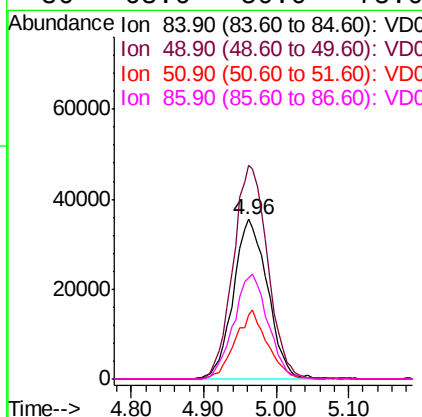
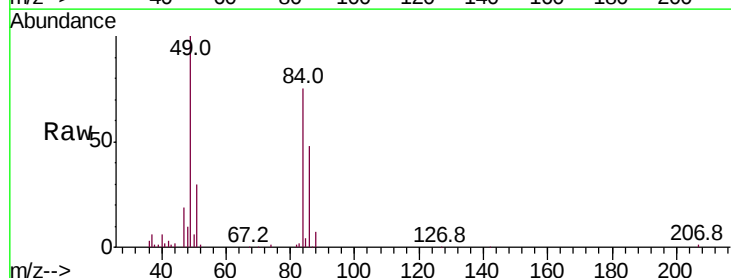
Tot Ion: 73 Resp: 180777
 Ion Ratio Lower Upper
 73 100
 57 21.2 18.3 27.5

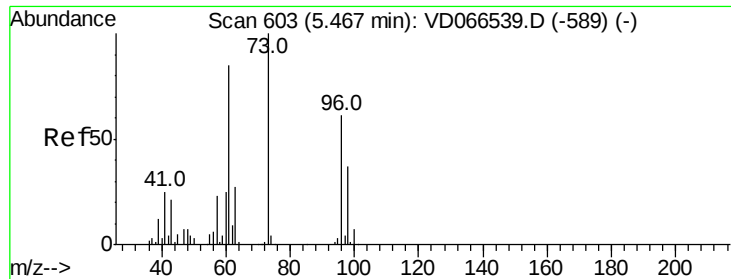


#20

Methylene Chloride
 Concen: 24.356 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD066681.D
 Acq: 14 Sep 2020 20:36

Tgt Ion: 84 Resp: 117217
 Ion Ratio Lower Upper
 84 100
 49 133.7 104.3 156.5
 51 39.9 32.2 48.4
 86 63.6 50.0 75.0





#21

trans-1,2-Dichloroethene

Concen: 21.298 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD066681.D

Acq: 14 Sep 2020 20:36

Instrument :

MSVOA_D

ClientSampled :

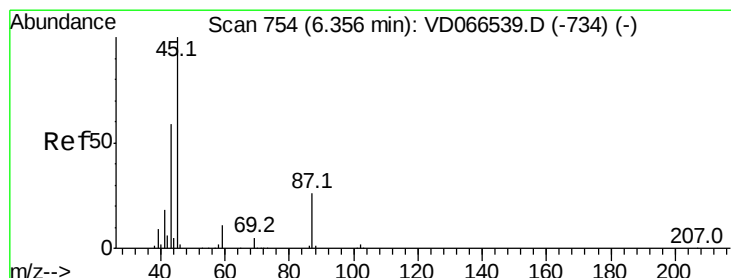
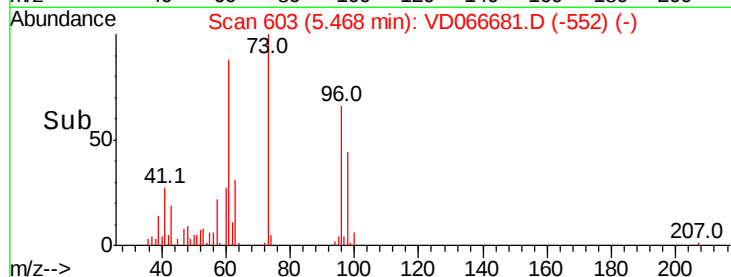
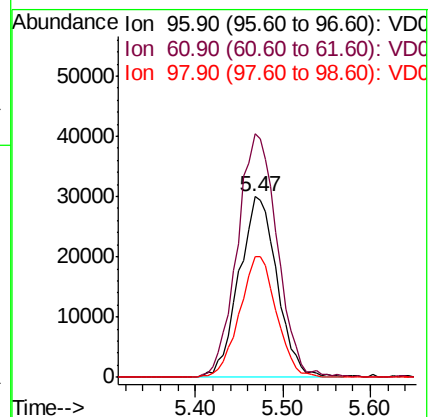
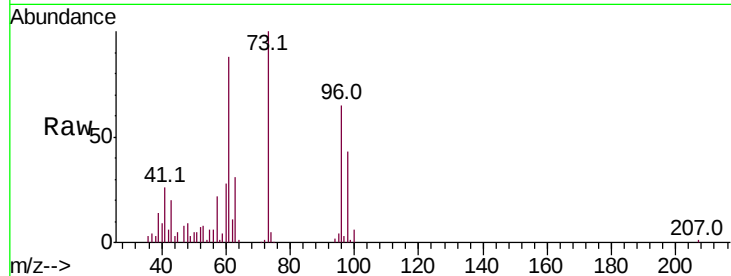
Tot Ion: 96 Resp: 88714

Ion Ratio Lower Upper

96 100

61 135.0 112.1 168.1

98 66.7 48.6 72.8



#22

Diisopropyl ether

Concen: 21.806 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD066681.D

Acq: 14 Sep 2020 20:36

Tgt Ion: 45 Resp: 257789

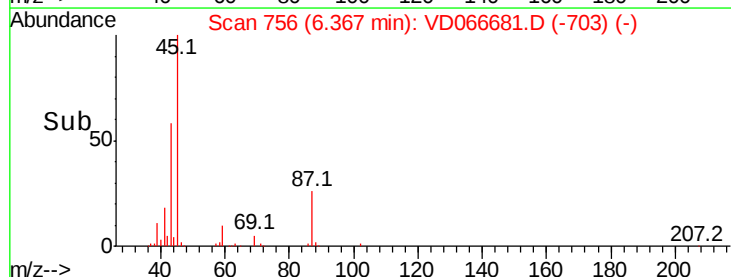
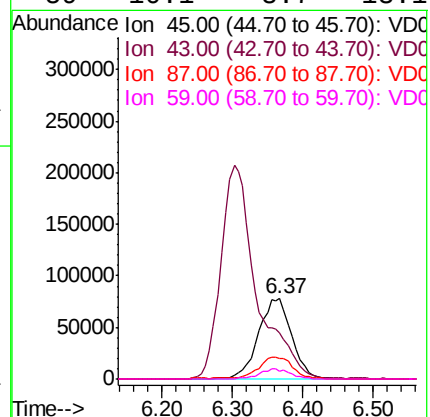
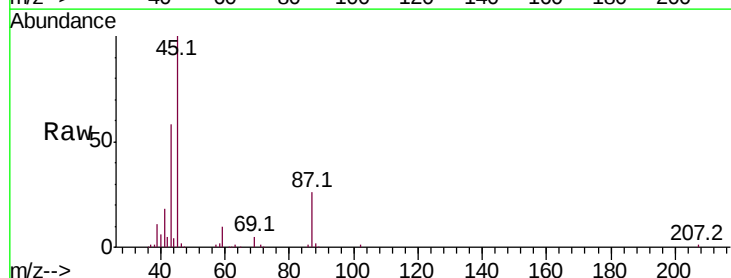
Ion Ratio Lower Upper

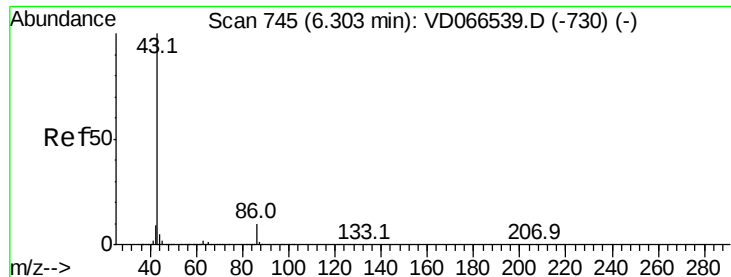
45 100

43 56.7 47.0 70.4

87 25.6 21.3 31.9

59 10.1 8.7 13.1





#23

Vinyl Acetate

Concen: 108.619 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066681.D

Acq: 14 Sep 2020 20:36

Instrument :

MSVOA_D

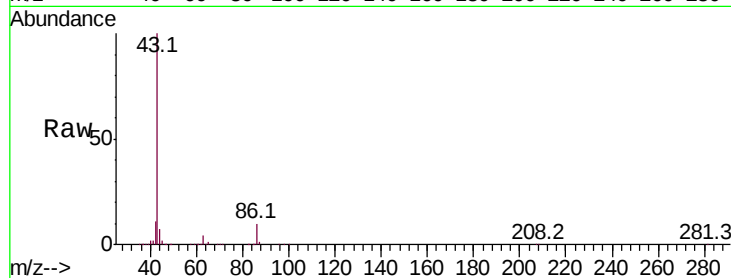
ClientSampleId :

Tot Ion: 43 Resp: 730732

Ion Ratio Lower Upper

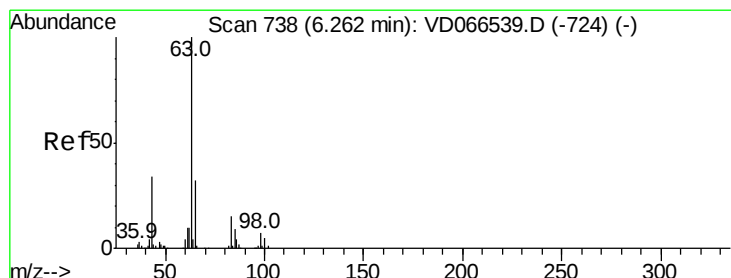
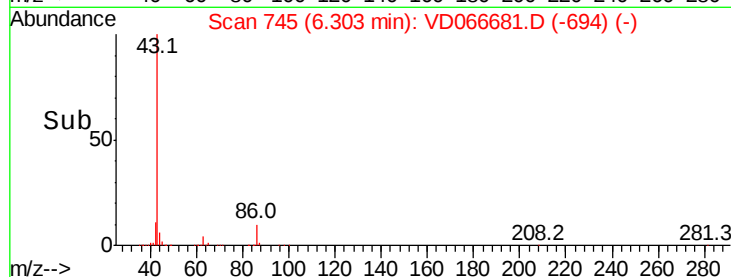
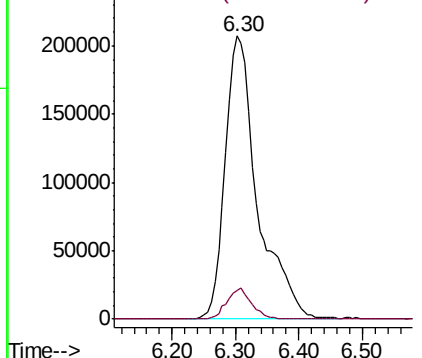
43 100

86 10.1 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.922 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD066681.D

Acq: 14 Sep 2020 20:36

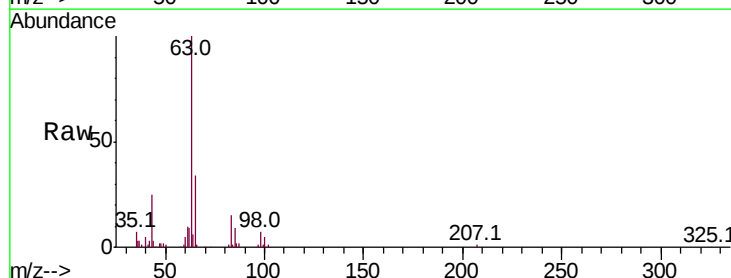
Tgt Ion: 63 Resp: 162977

Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.1

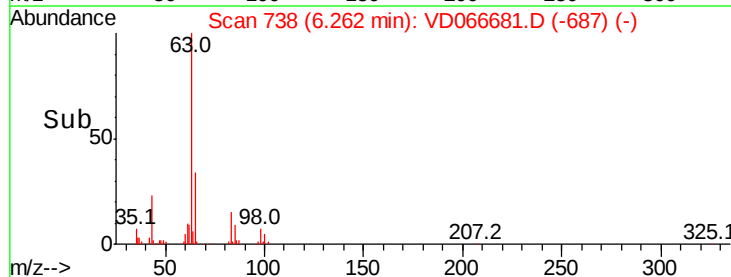
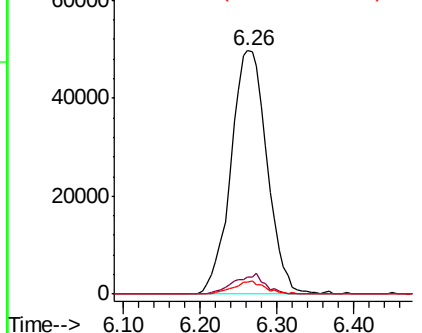
100 4.8 2.5 7.4

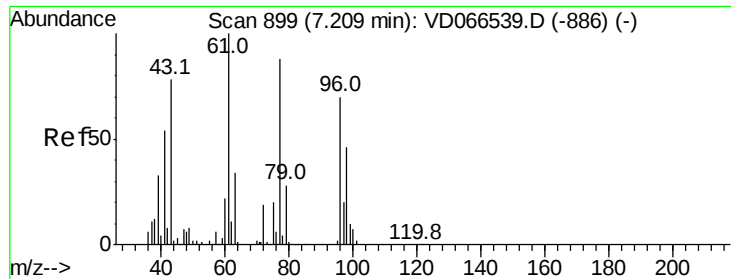


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 100.282 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066681.D

Acq: 14 Sep 2020 20:36

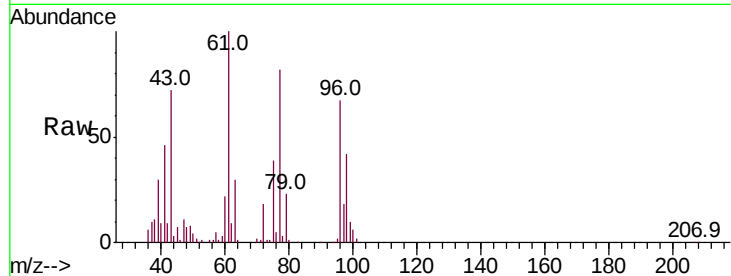
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 104339

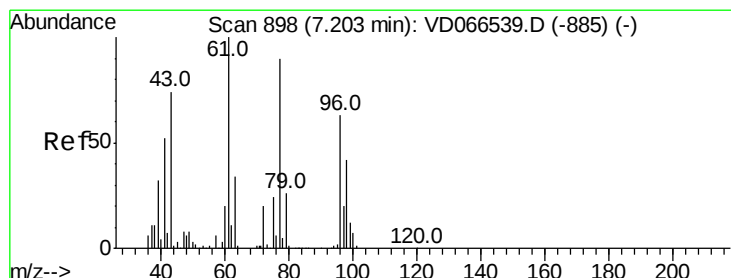
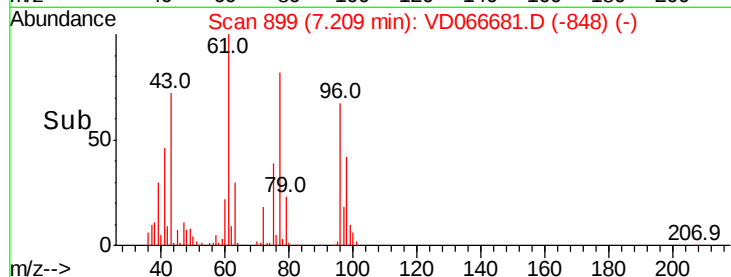
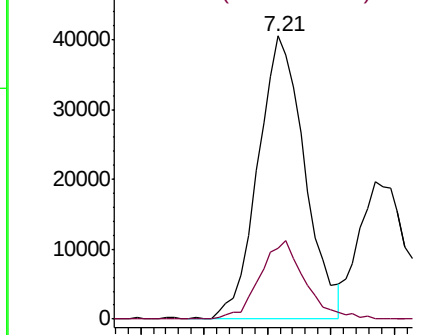
Ion Ratio Lower Upper

43 100

72 25.1 19.8 29.6



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.728 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.01 min

Lab File: VD066681.D

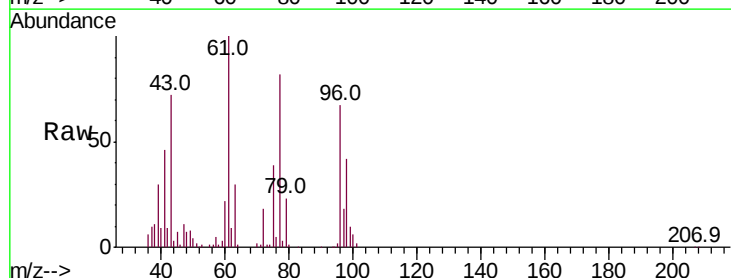
Acq: 14 Sep 2020 20:36

Tgt Ion: 77 Resp: 134533

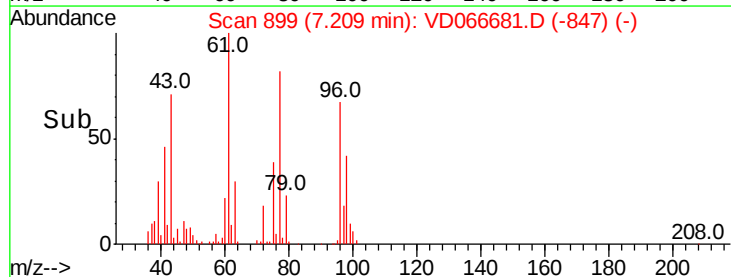
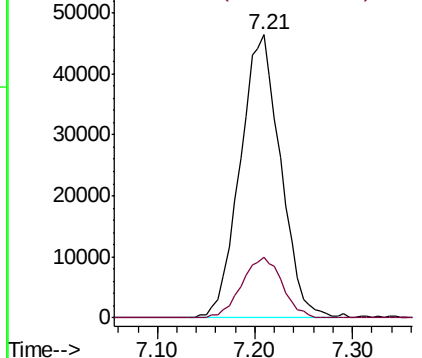
Ion Ratio Lower Upper

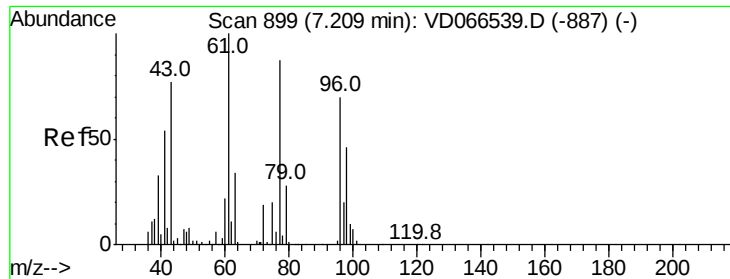
77 100

97 21.3 10.8 32.3



Abundance Ion 76.90 (76.60 to 77.60): VDC
Ion 96.90 (96.60 to 97.60): VDC



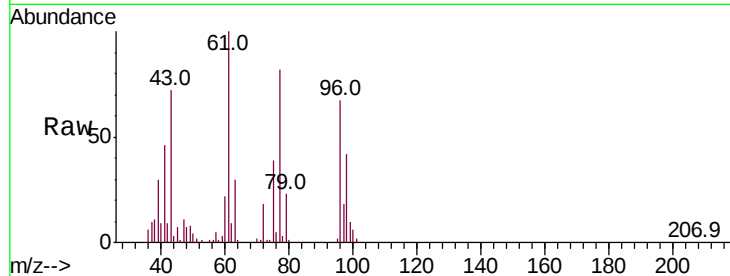


#27

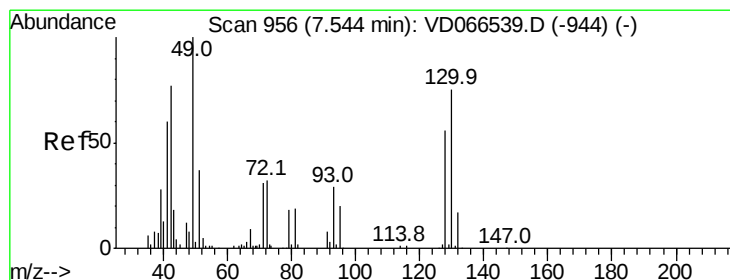
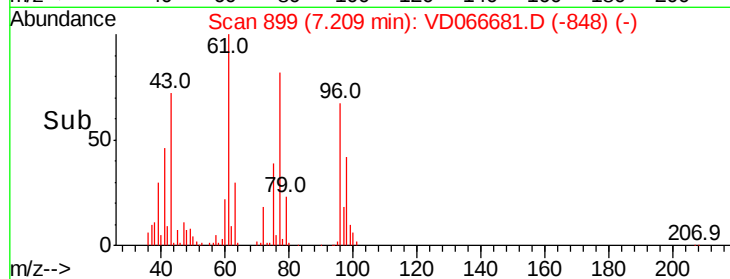
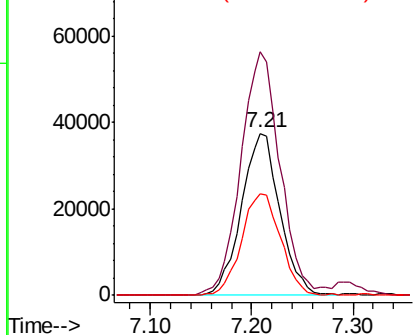
cis-1,2-Dichloroethene
 Concen: 22.068 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD066681.D
 Acq: 14 Sep 2020 20:36

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	96	Resp	98853
Ion	Ratio	Lower	Upper
96	100		
61	153.4	0.0	301.0
98	63.6	0.0	129.8



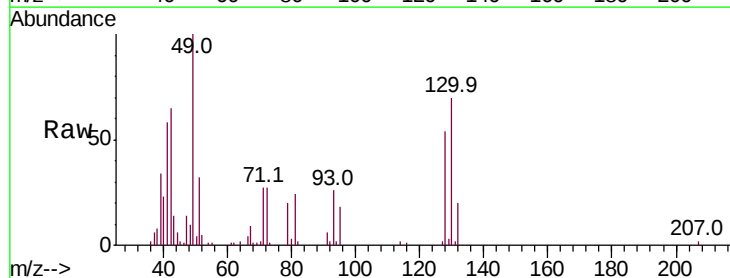
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



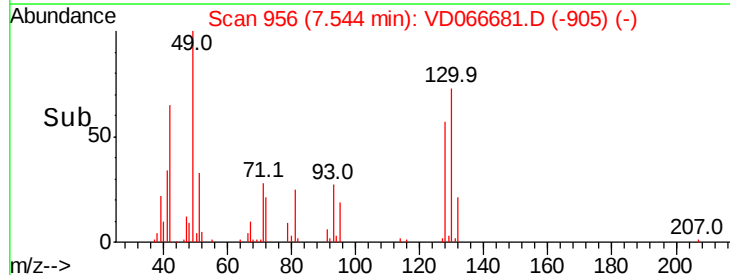
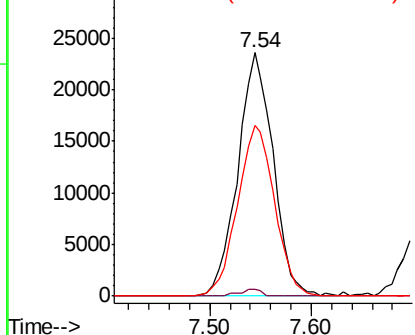
#28

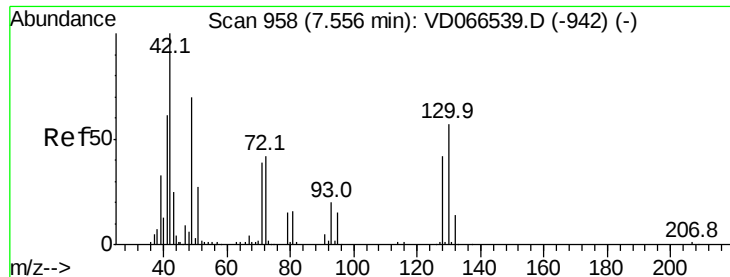
Bromochloromethane
 Concen: 19.922 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. 0.00 min
 Lab File: VD066681.D
 Acq: 14 Sep 2020 20:36

Tgt Ion	49	Resp	57021
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	2.6
130	73.4	58.2	87.2



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





#29

Tetrahydrofuran

Concen: 107.246 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.01 min

Lab File: VD066681.D

Acq: 14 Sep 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

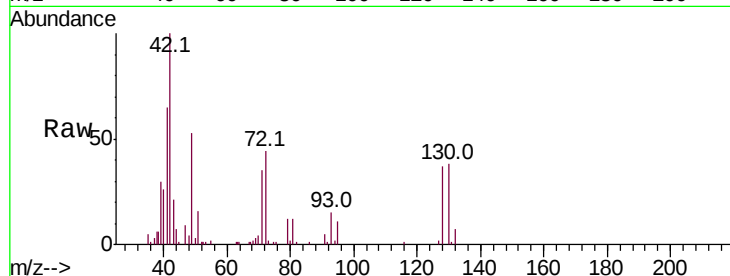
Tot Ion: 42 Resp: 69494

Ion Ratio Lower Upper

42 100

72 42.4 33.4 50.0

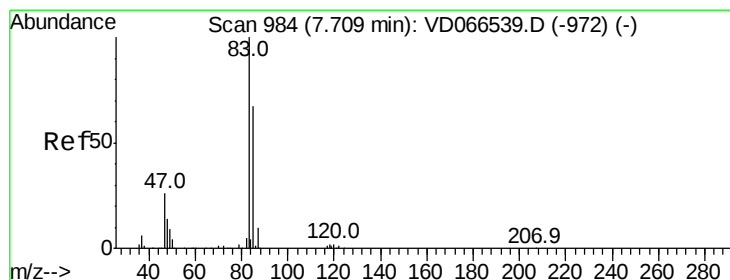
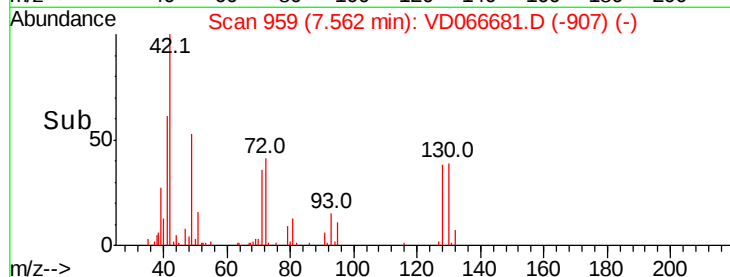
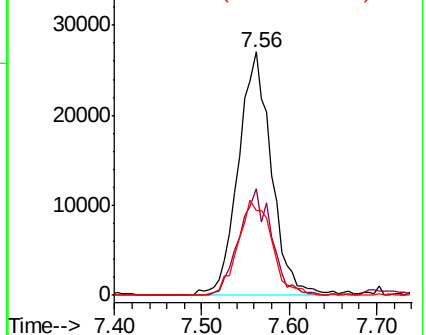
71 39.7 31.9 47.9



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 21.848 ug/l

RT: 7.71 min Scan# 984

Delta R.T. 0.00 min

Lab File: VD066681.D

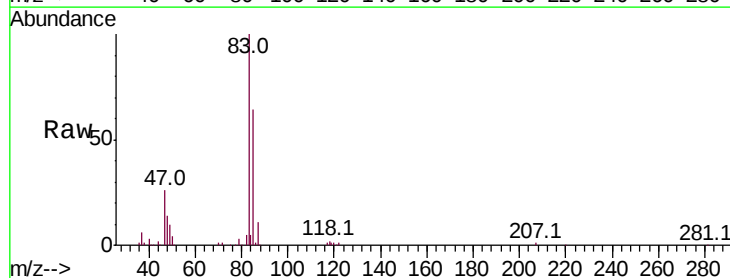
Acq: 14 Sep 2020 20:36

Tgt Ion: 83 Resp: 171833

Ion Ratio Lower Upper

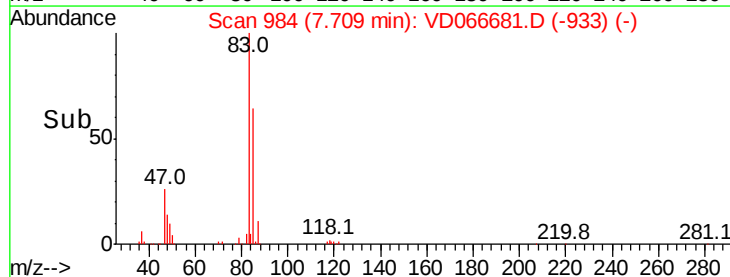
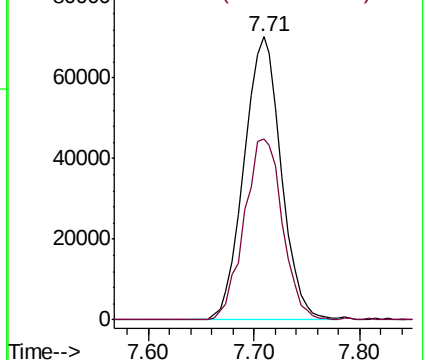
83 100

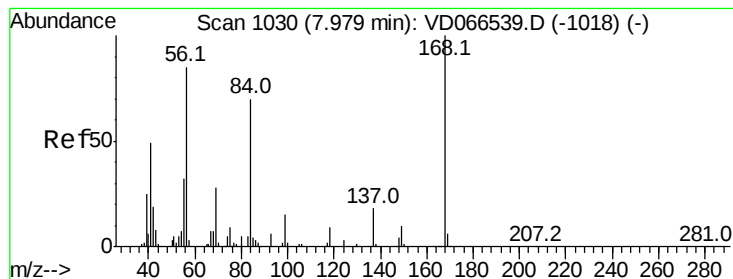
85 64.0 53.6 80.4



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 19.820 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

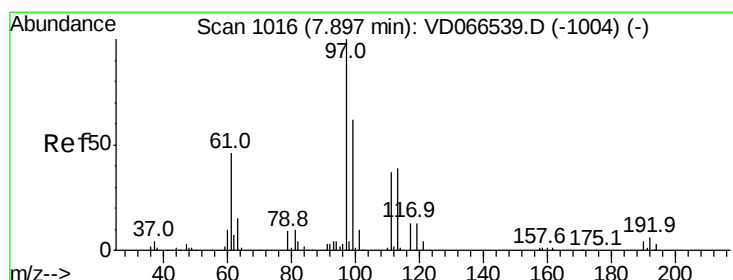
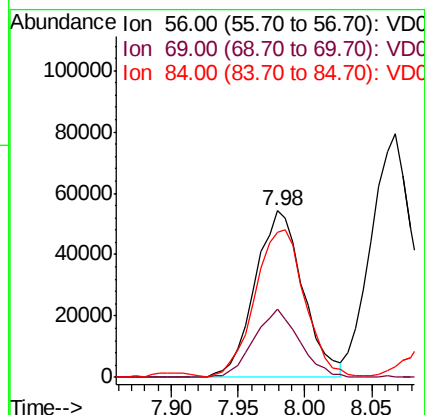
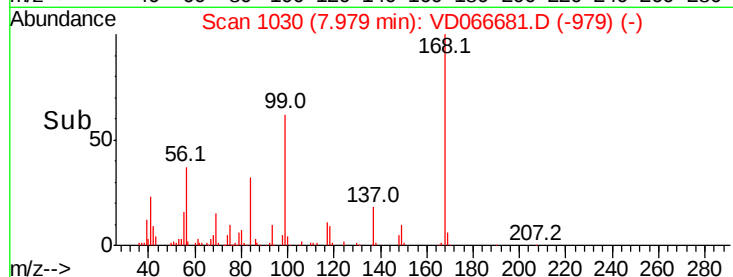
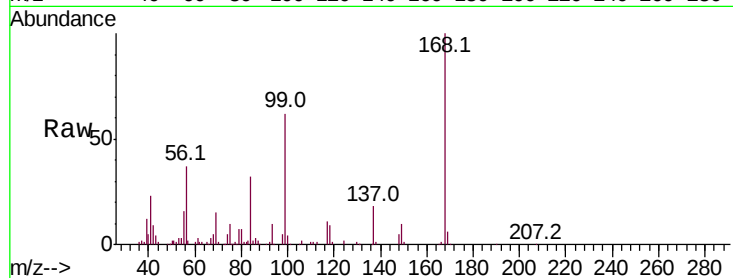
Lab File: VD066681.D

Acq: 14 Sep 2020 20:36

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 136208

Ion	Ratio	Lower	Upper
56	100		
69	41.4	26.3	39.5#
84	85.3	66.1	99.1



#32

1,1,1-Trichloroethane

Concen: 21.410 ug/l

RT: 7.90 min Scan# 1017

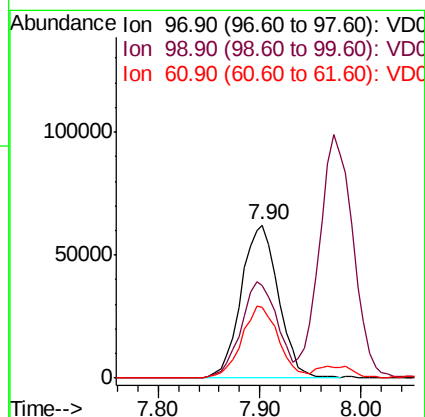
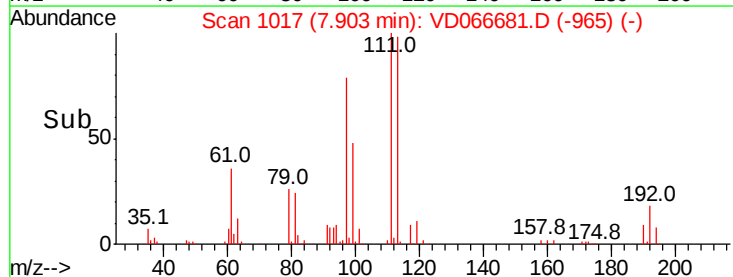
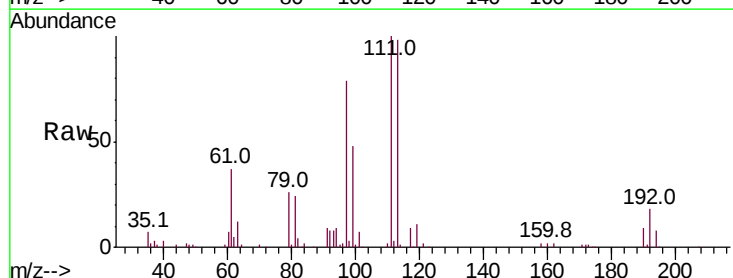
Delta R.T. 0.01 min

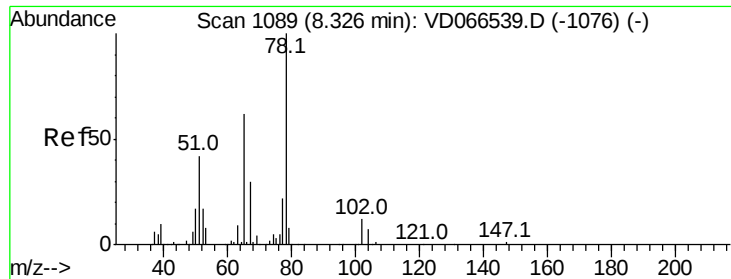
Lab File: VD066681.D

Acq: 14 Sep 2020 20:36

Tgt Ion: 97 Resp: 158320

Ion	Ratio	Lower	Upper
97	100		
99	61.2	51.4	77.0
61	46.8	37.4	56.0





#33

1,2-Dichloroethane-d4

Concen: 58.433 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.01 min

Lab File: VD066681.D

Acq: 14 Sep 2020 20:36

Instrument :

MSVOA_D

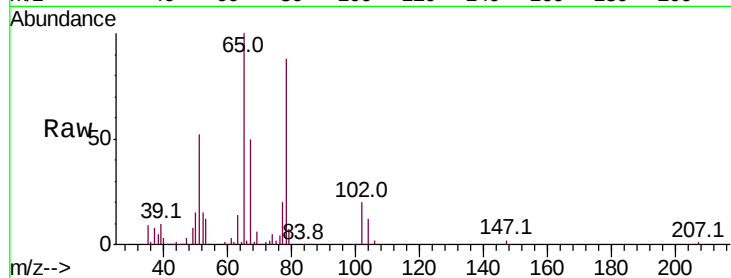
ClientSampleId :

Tot Ion: 65 Resp: 246145

Ion Ratio Lower Upper

65 100

67 49.3 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

120000

100000

80000

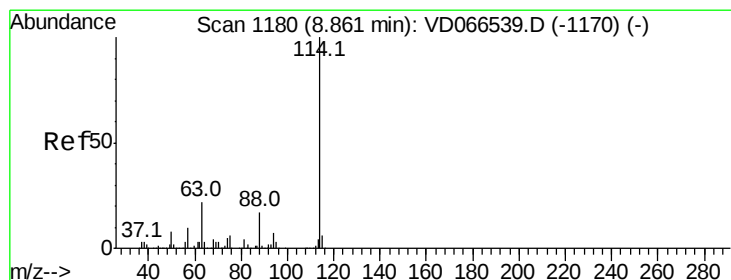
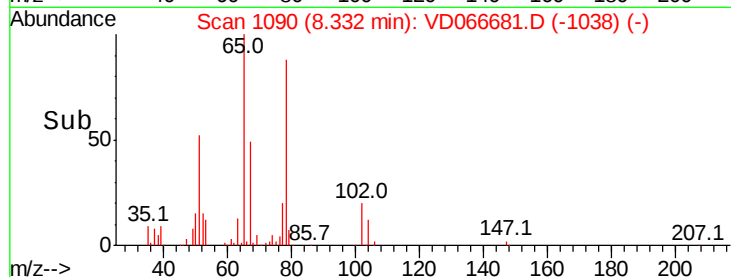
60000

40000

20000

0

Time--> 8.20 8.25 8.30 8.35 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066681.D

Acq: 14 Sep 2020 20:36

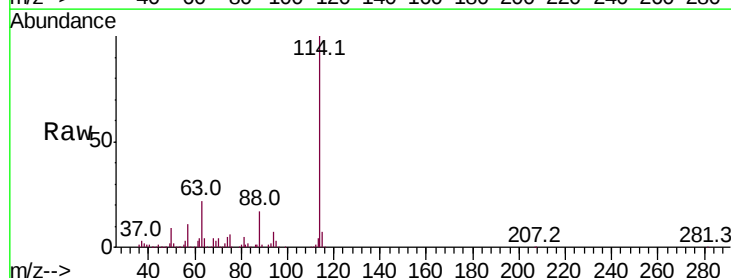
Tgt Ion: 114 Resp: 585493

Ion Ratio Lower Upper

114 100

63 22.4 0.0 43.2

88 16.6 0.0 33.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.86

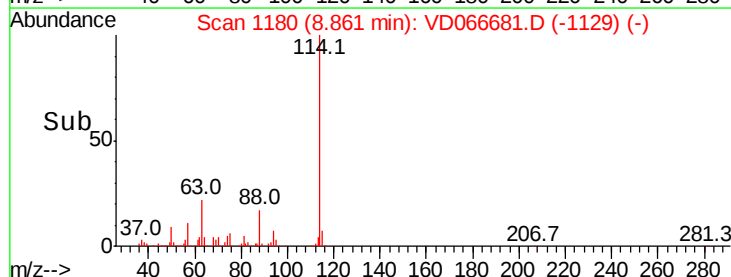
300000

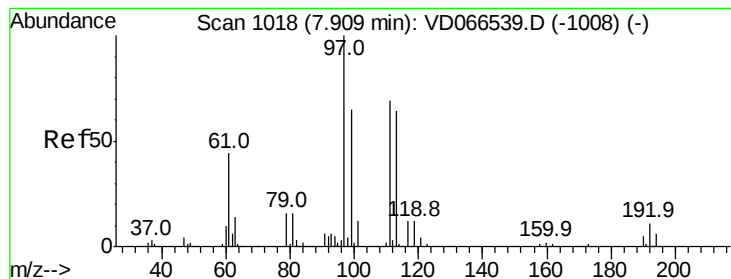
200000

100000

0

Time--> 8.80 8.90 9.00





#35

Dibromofluoromethane

Concen: 57.424 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066681.D

Acq: 14 Sep 2020 20:36

Instrument :

MSVOA_D

ClientSampled :

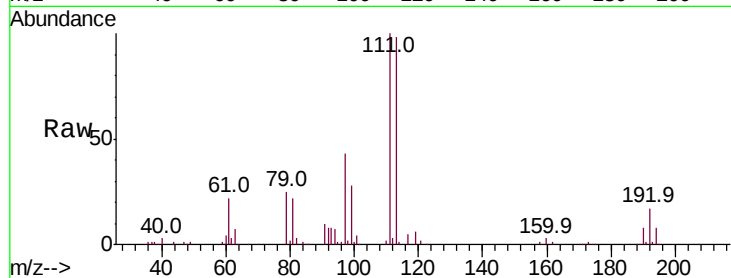
Tot Ion:113 Resp: 226813

Ion Ratio Lower Upper

113 100

111 102.3 83.2 124.8

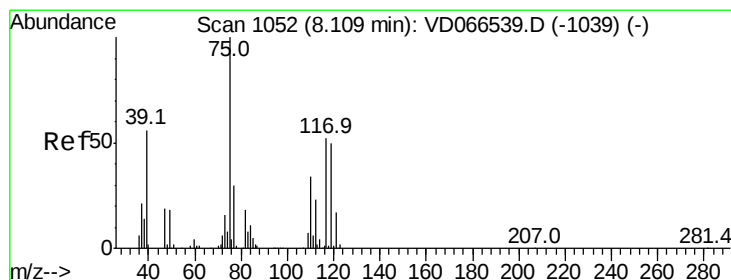
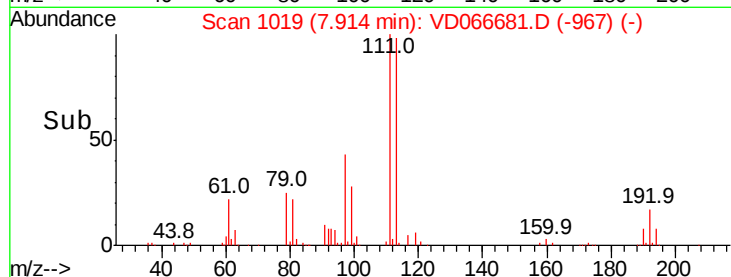
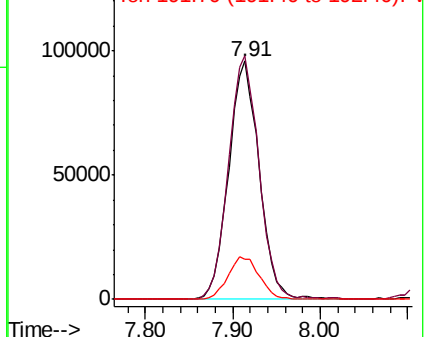
192 18.2 13.7 20.5



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 21.123 ug/l

RT: 8.11 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VD066681.D

Acq: 14 Sep 2020 20:36

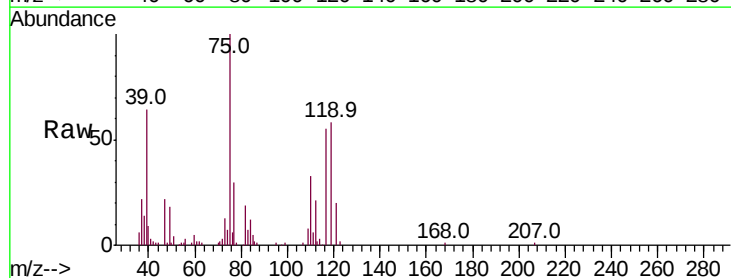
Tgt Ion: 75 Resp: 128705

Ion Ratio Lower Upper

75 100

110 34.3 17.3 52.0

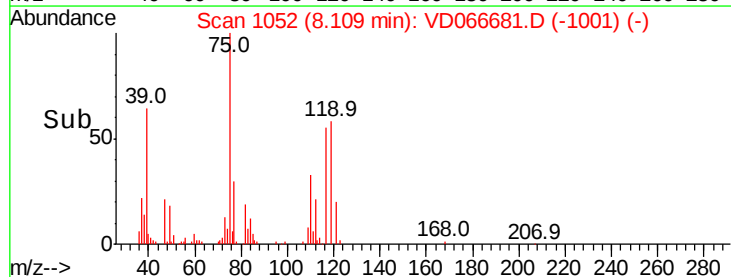
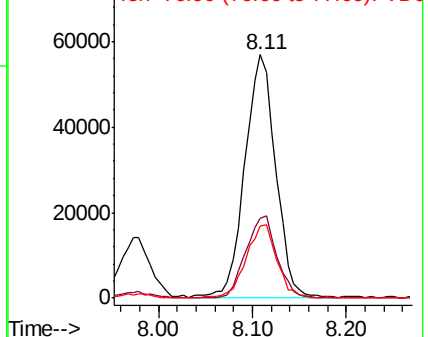
77 30.4 25.1 37.7

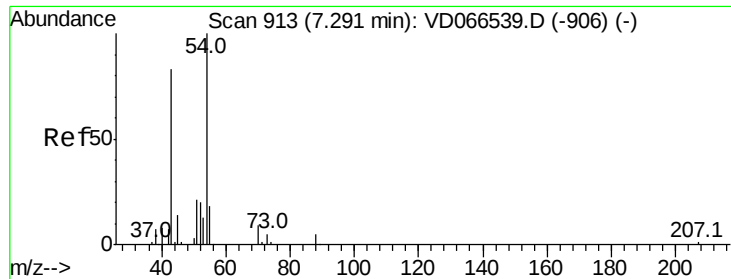


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

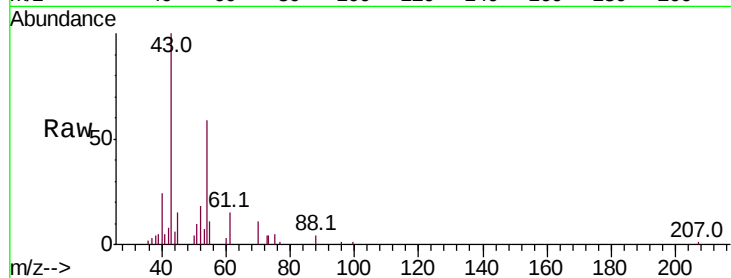




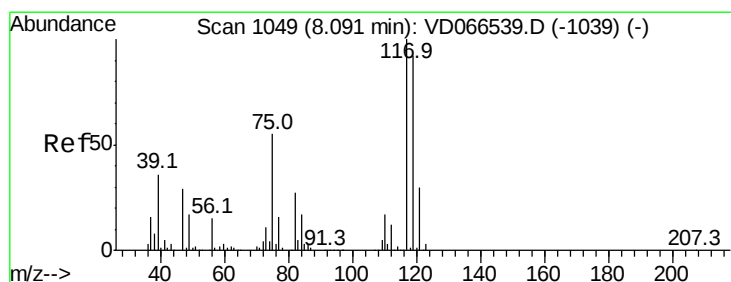
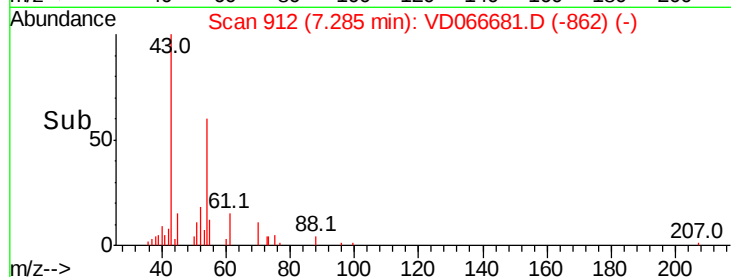
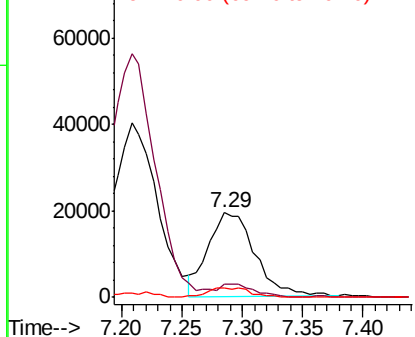
#37
Ethyl Acetate
Concen: 21.488 ug/l
RT: 7.29 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066681.D
Acq: 14 Sep 2020 20:36

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 52136
Ion Ratio Lower Upper
43 100
61 11.1 11.8 17.8#
70 10.4 7.9 11.9

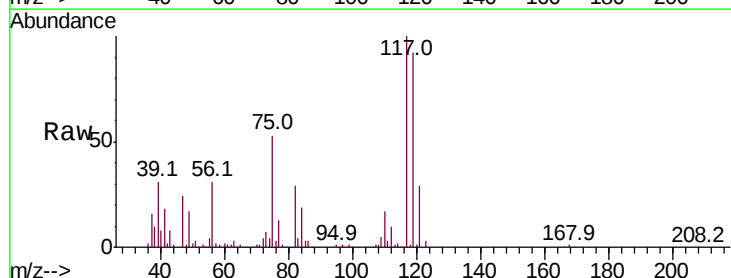


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

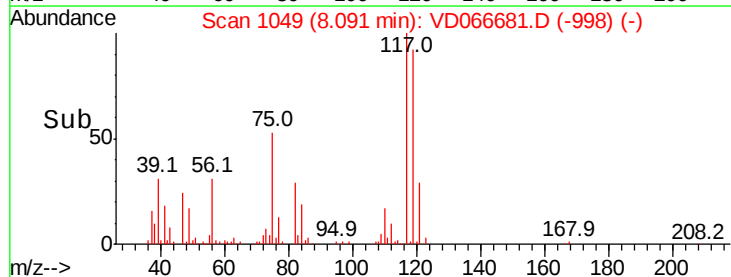
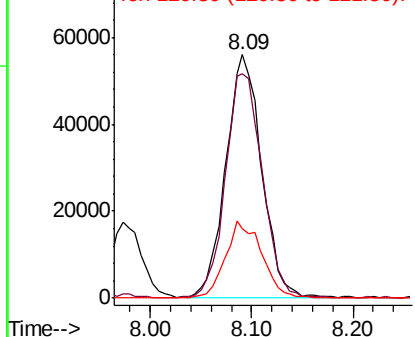


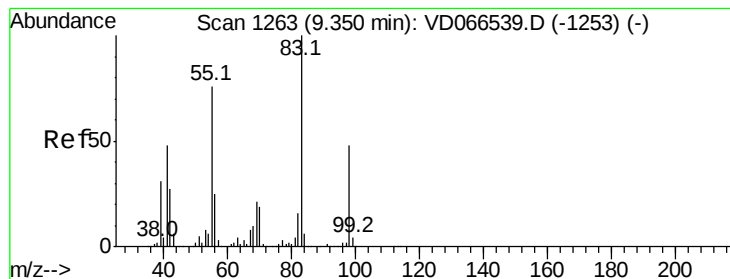
#38
Carbon Tetrachloride
Concen: 21.236 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066681.D
Acq: 14 Sep 2020 20:36

Tgt Ion: 117 Resp: 136768
Ion Ratio Lower Upper
117 100
119 92.7 73.9 110.9
121 28.8 24.1 36.1



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





#39

Methvlcvclohexane

Concen: 19.773 ug/l

RT: 9.35 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VD066681.D

Acq: 14 Sep 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

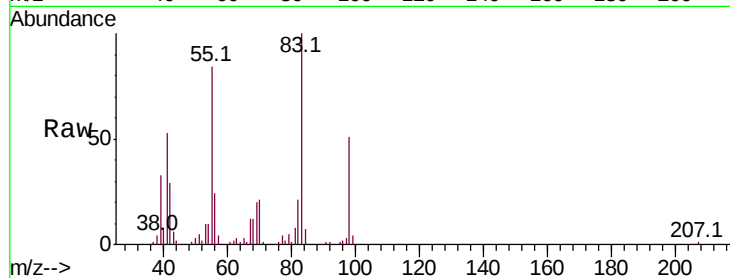
Tot Ion: 83 Resp: 134532

Ion Ratio Lower Upper

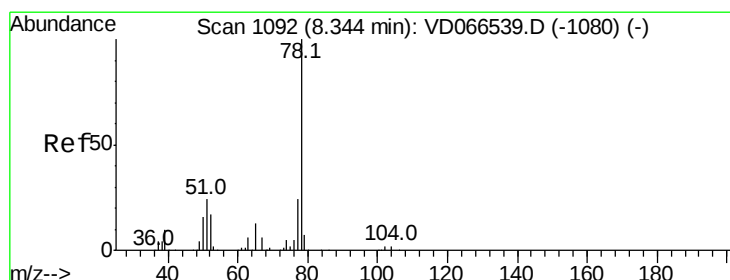
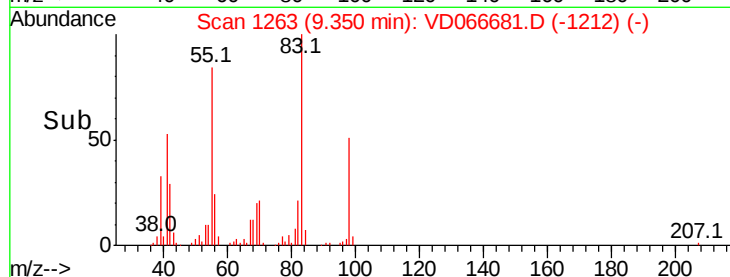
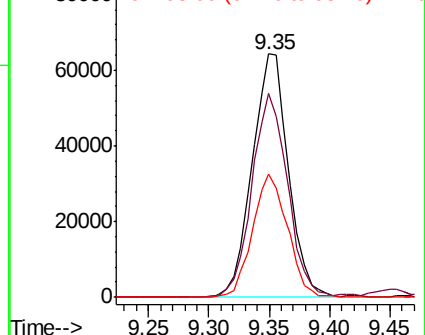
83 100

55 83.7 60.8 91.2

98 50.6 38.6 58.0



Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC



#40

Benzene

Concen: 20.953 ug/l

RT: 8.35 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VD066681.D

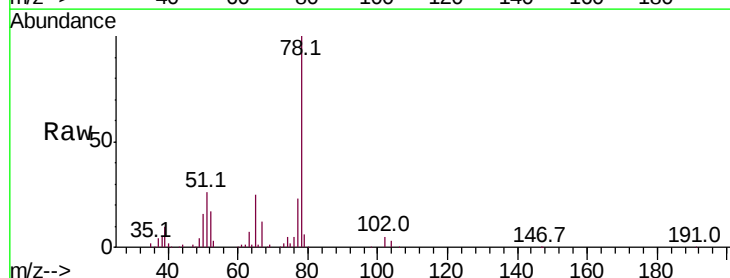
Acq: 14 Sep 2020 20:36

Tgt Ion: 78 Resp: 349657

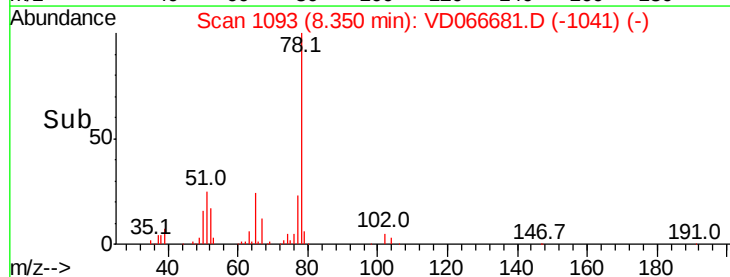
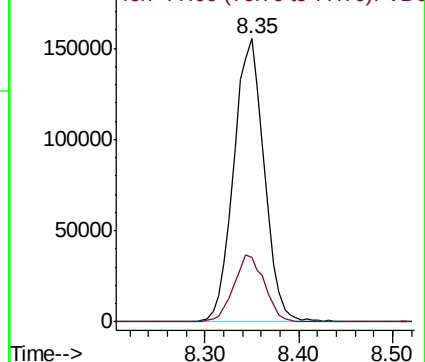
Ion Ratio Lower Upper

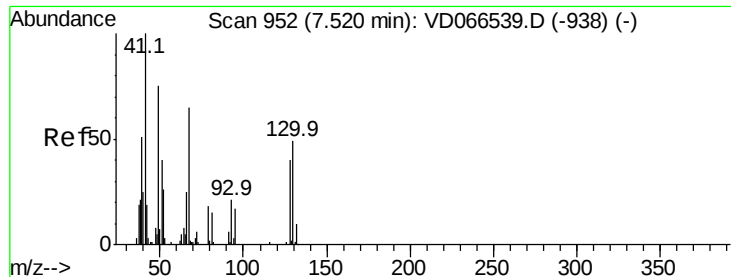
78 100

77 22.7 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC

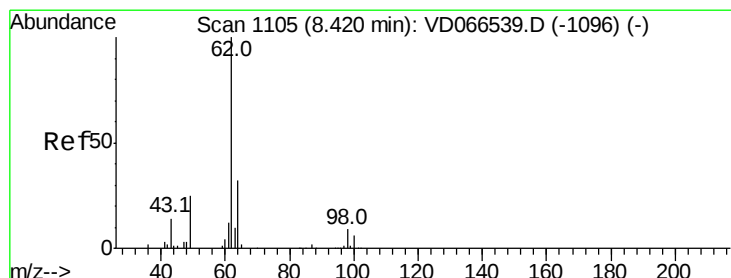
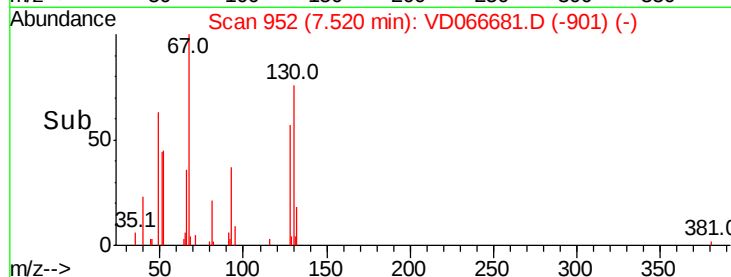
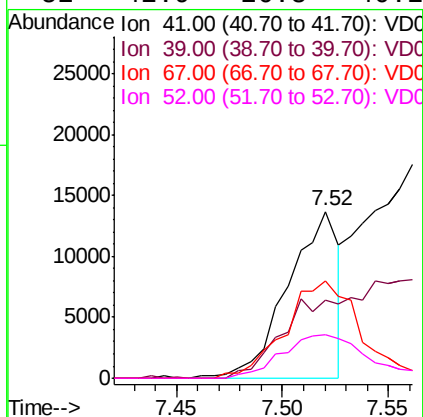
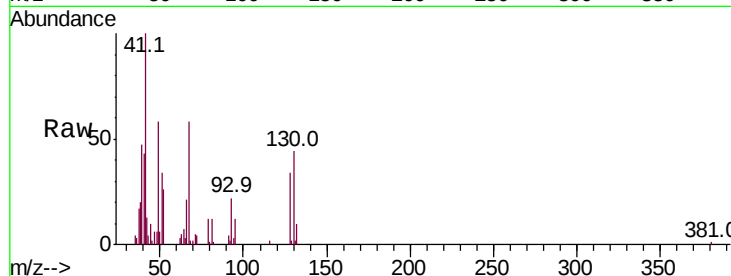




#41
Methacrylonitrile
Concen: 19.632 ug/l
RT: 7.52 min Scan# 952
Delta R.T. 0.00 min
Lab File: VD066681.D
Acq: 14 Sep 2020 20:36

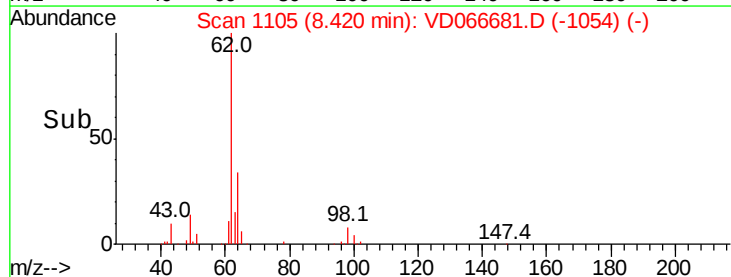
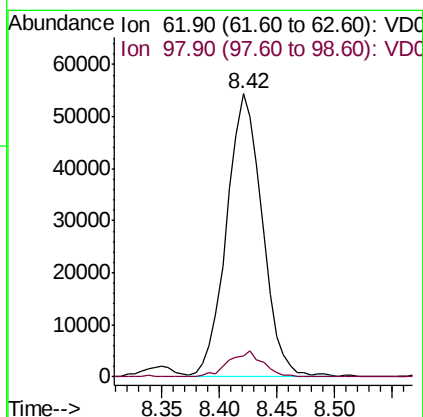
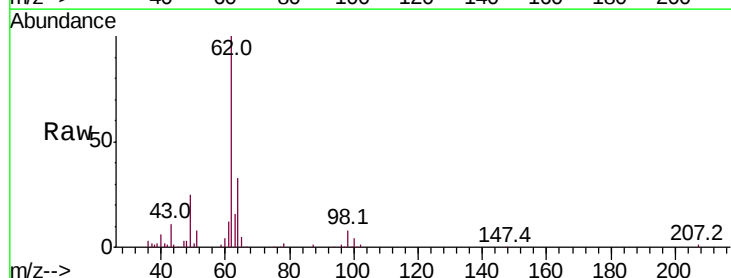
Instrument :
MSVOA_D
ClientSampleId :

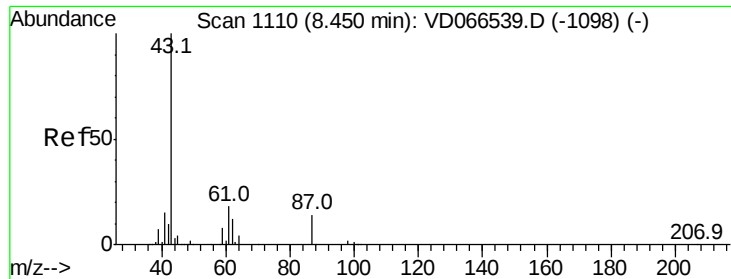
Tot Ion: 41 Resp: 23057
Ion Ratio Lower Upper
41 100
39 0.0 53.6 80.4#
67 85.7 59.2 88.8
52 42.9 26.8 40.2#



#42
1,2-Dichloroethane
Concen: 21.644 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VD066681.D
Acq: 14 Sep 2020 20:36

Tgt Ion: 62 Resp: 117031
Ion Ratio Lower Upper
62 100
98 8.8 0.0 17.6





#43

Isopropyl Acetate

Concen: 21.201 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD066681.D

Acq: 14 Sep 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

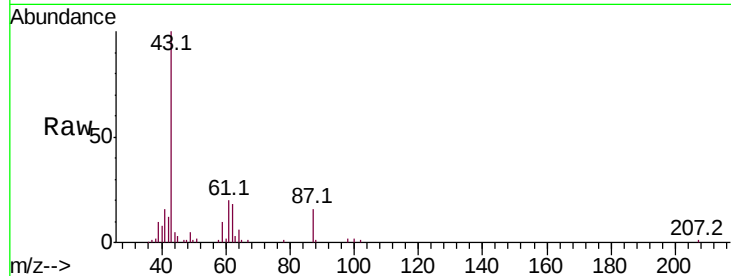
Tot Ion: 43 Resp: 98580

Ion Ratio Lower Upper

43 100

61 31.7 23.8 35.8

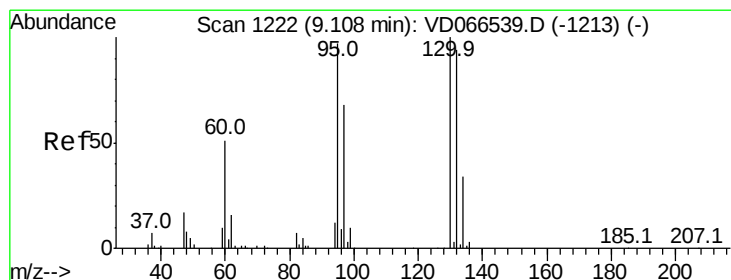
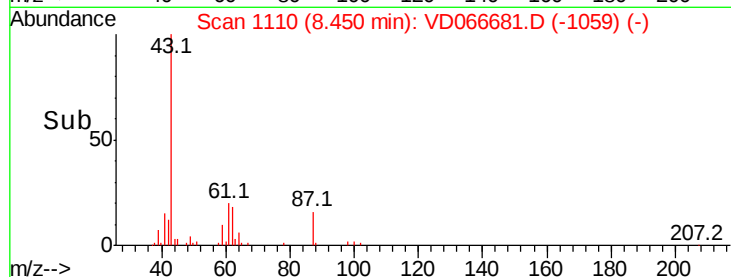
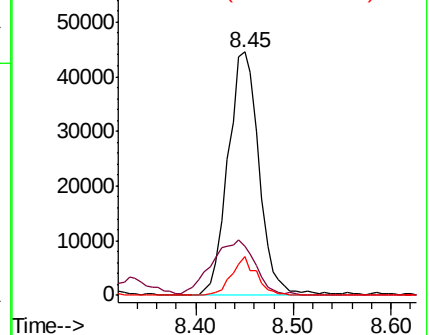
87 12.7 10.7 16.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 21.302 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. 0.00 min

Lab File: VD066681.D

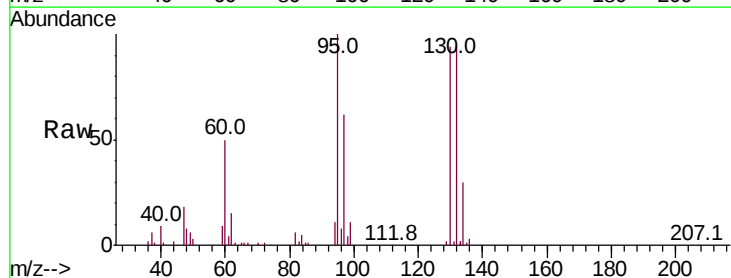
Acq: 14 Sep 2020 20:36

Tgt Ion: 130 Resp: 93247

Ion Ratio Lower Upper

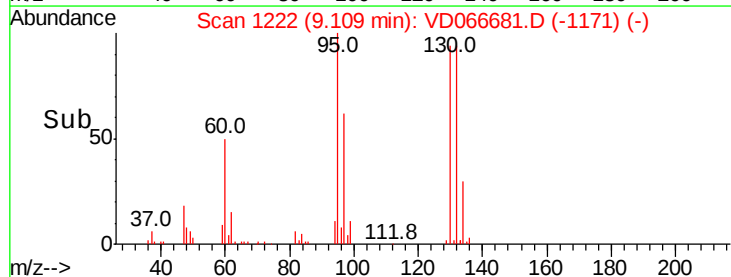
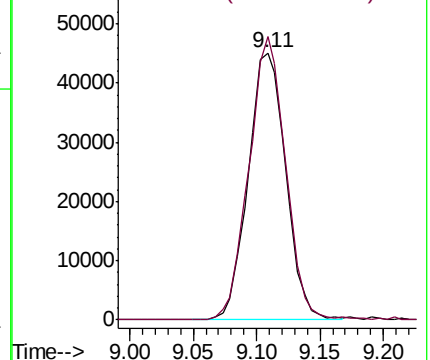
130 100

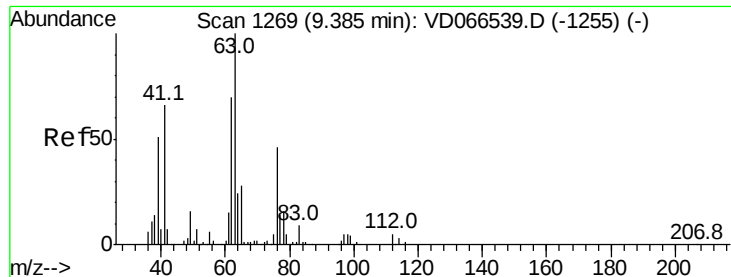
95 105.9 0.0 194.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.677 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD066681.D

Acq: 14 Sep 2020 20:36

Instrument :

MSVOA_D

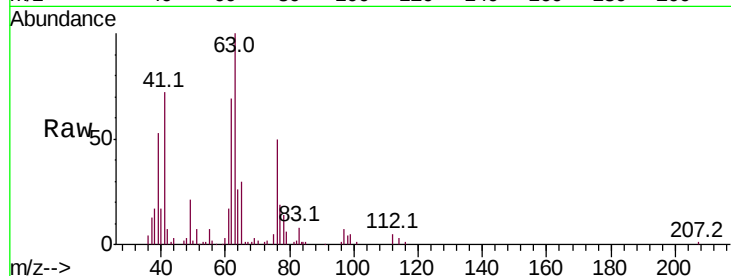
ClientSampleId :

Tot Ion: 63 Resp: 90973

Ion Ratio Lower Upper

63 100

65 29.7 22.6 34.0



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.38

40000

30000

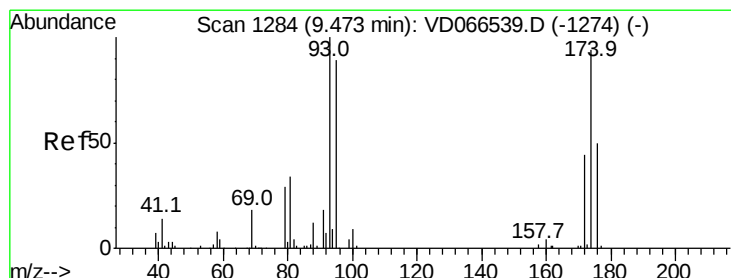
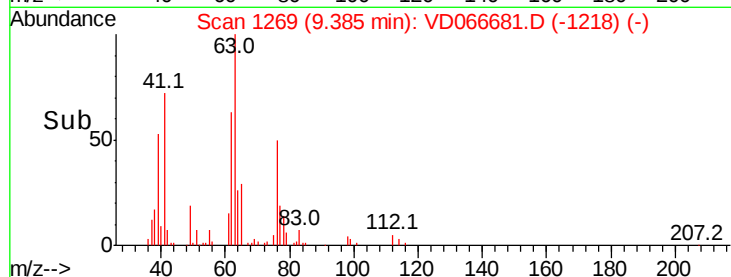
20000

10000

0

9.30 9.40 9.50

Time-->



#46

Dibromomethane

Concen: 21.656 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD066681.D

Acq: 14 Sep 2020 20:36

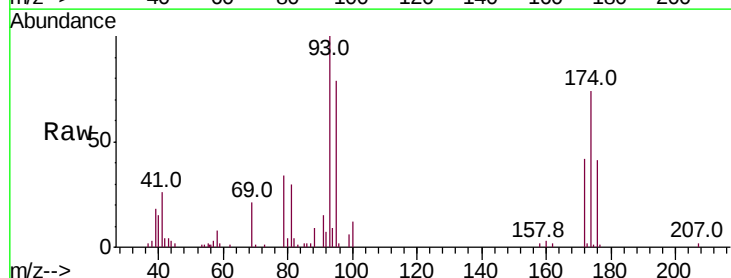
Tgt Ion: 93 Resp: 50141

Ion Ratio Lower Upper

93 100

95 81.3 68.7 103.1

174 86.1 70.0 105.0



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

9.47

30000

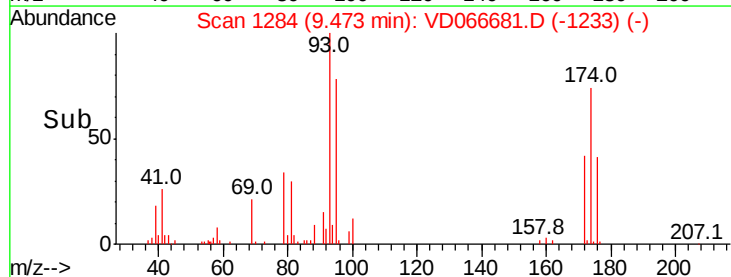
20000

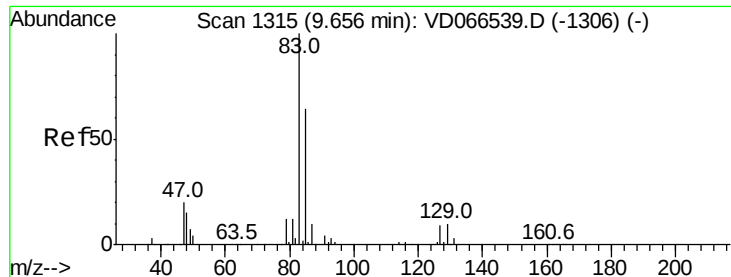
10000

0

9.40 9.45 9.50 9.55

Time-->





#47

Bromodichloromethane

Concen: 22.266 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VD066681.D

Acq: 14 Sep 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

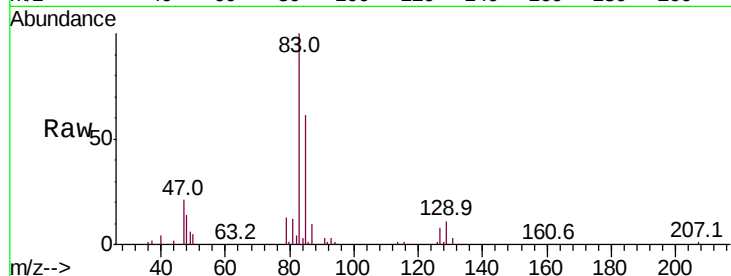
Tot Ion: 83 Resp: 139482

Ion Ratio Lower Upper

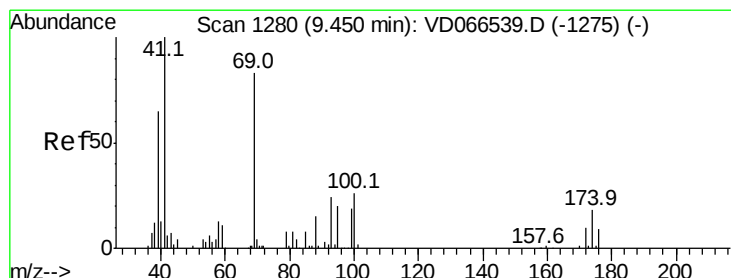
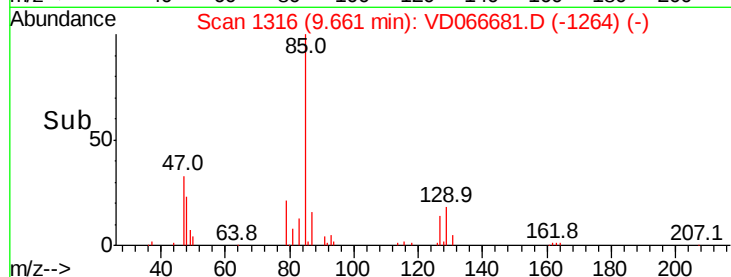
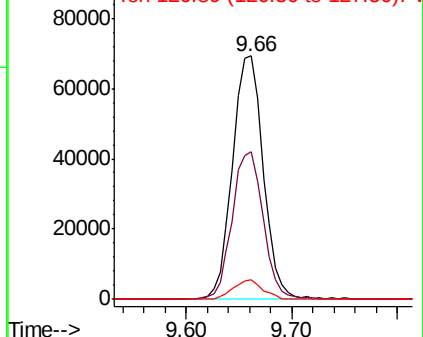
83 100

85 60.6 51.1 76.7

127 8.3 6.9 10.3



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): VDC



#48

Methyl methacrylate

Concen: 19.890 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. 0.01 min

Lab File: VD066681.D

Acq: 14 Sep 2020 20:36

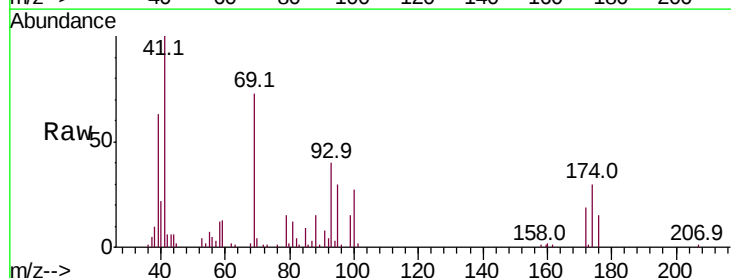
Tgt Ion: 41 Resp: 46765

Ion Ratio Lower Upper

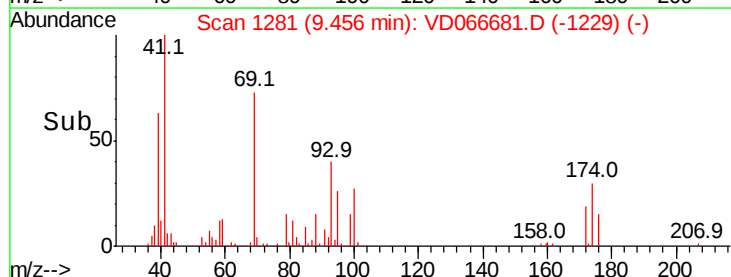
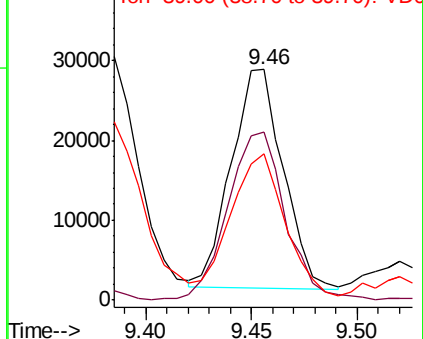
41 100

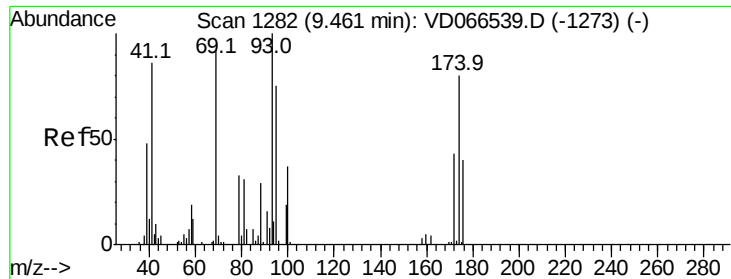
69 85.4 64.5 96.7

39 71.8 46.6 69.8#



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

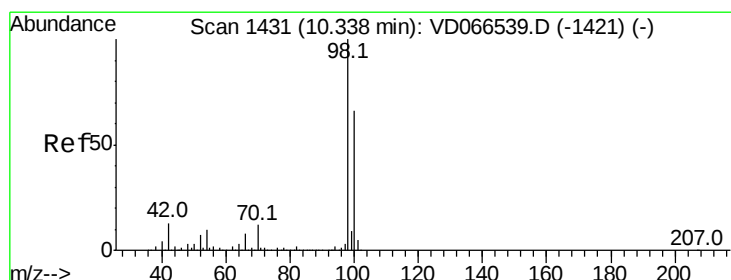
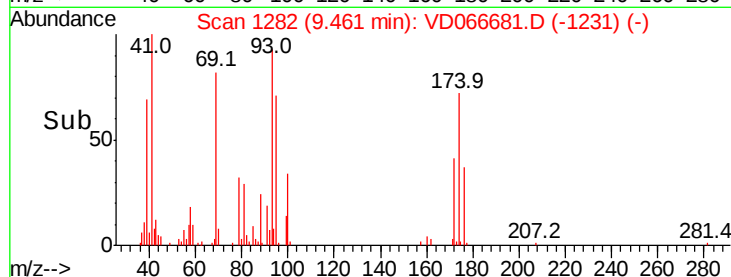
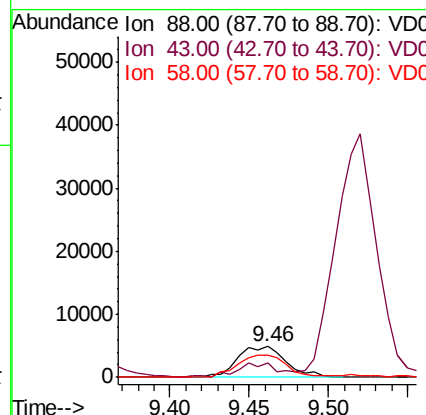
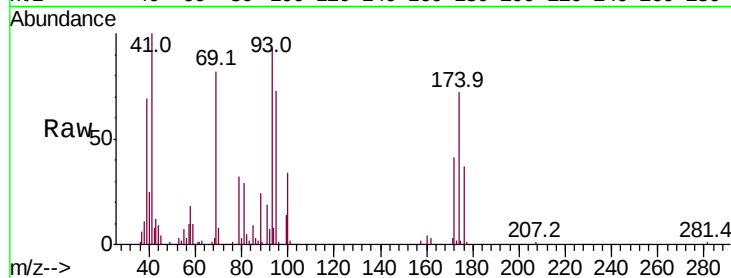




#49
1,4-Dioxane
Concen: 411.276 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD066681.D
Acq: 14 Sep 2020 20:36

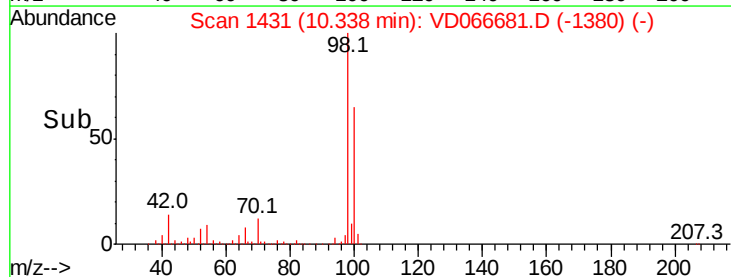
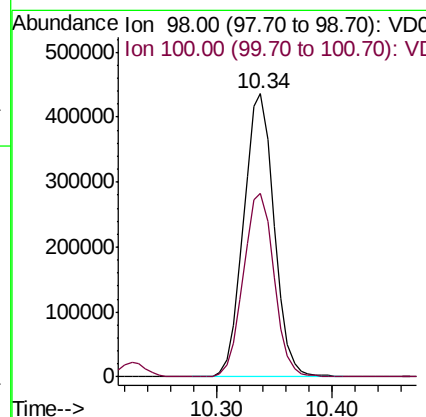
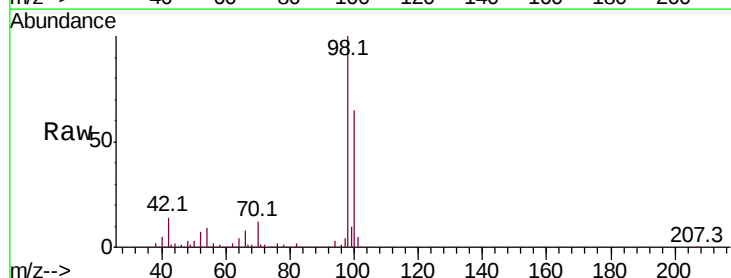
Instrument :
MSVOA_D
ClientSampleId :

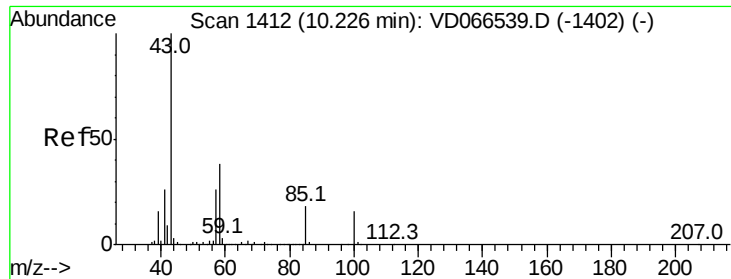
Tot Ion: 88 Resp: 10447
Ion Ratio Lower Upper
88 100
43 42.1 28.3 42.5
58 72.7 56.1 84.1



#50
Toluene-d8
Concen: 56.692 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066681.D
Acq: 14 Sep 2020 20:36

Tgt Ion: 98 Resp: 800321
Ion Ratio Lower Upper
98 100
100 65.6 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 106.019 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066681.D

Acq: 14 Sep 2020 20:36

Instrument :

MSVOA_D

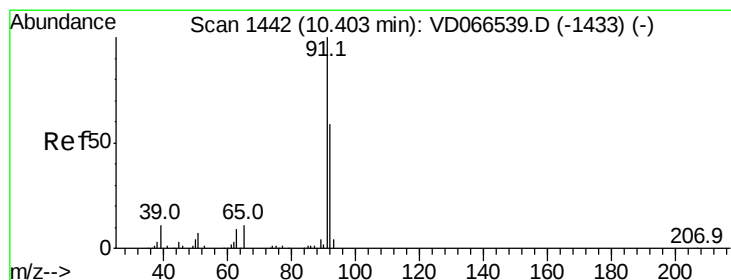
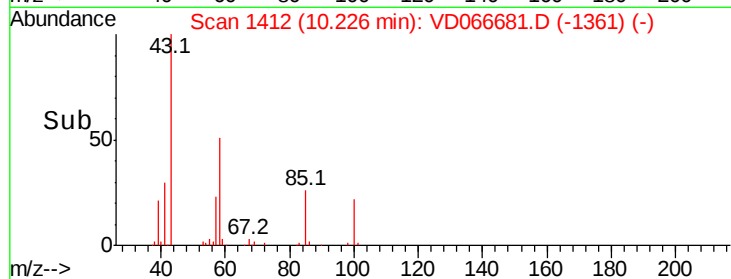
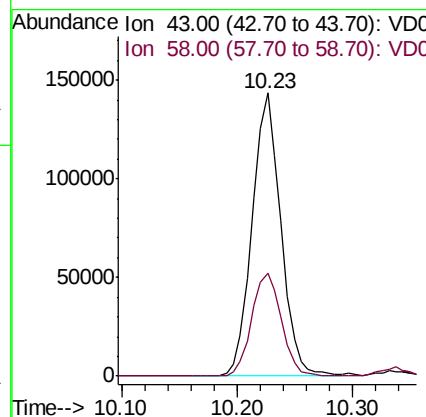
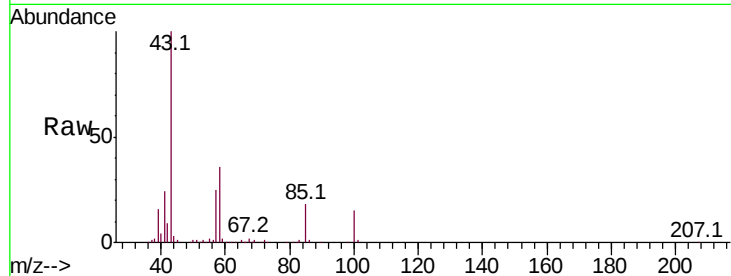
ClientSampleId :

Tot Ion: 43 Resp: 248612

Ion Ratio Lower Upper

43 100

58 37.9 30.5 45.7



#52

Toluene

Concen: 21.564 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD066681.D

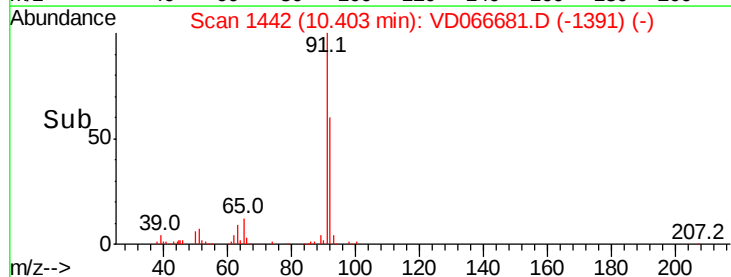
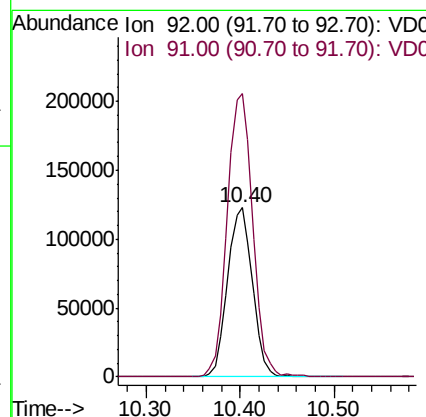
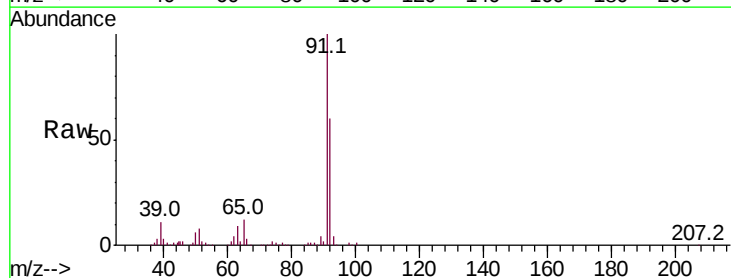
Acq: 14 Sep 2020 20:36

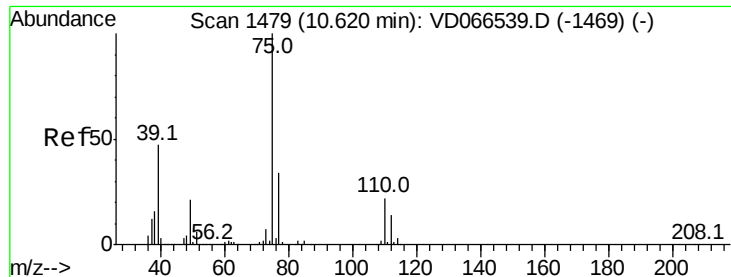
Tgt Ion: 92 Resp: 227797

Ion Ratio Lower Upper

92 100

91 171.4 137.4 206.2





#53

t-1,3-Dichloropropene

Concen: 20.998 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD066681.D

Acq: 14 Sep 2020 20:36

Instrument :

MSVOA_D

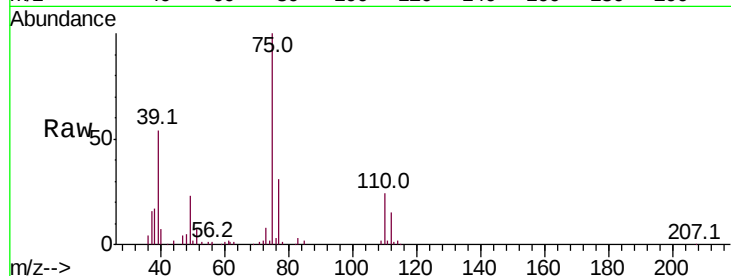
ClientSampleId :

Tot Ion: 75 Resp: 116117

Ion Ratio Lower Upper

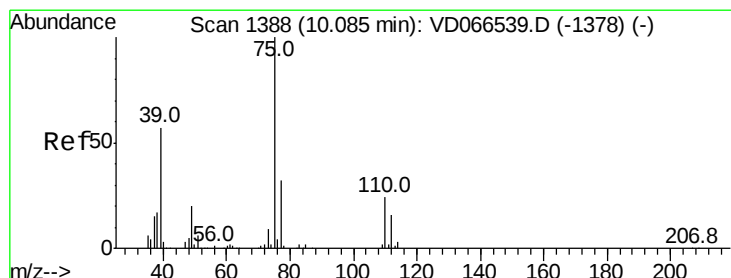
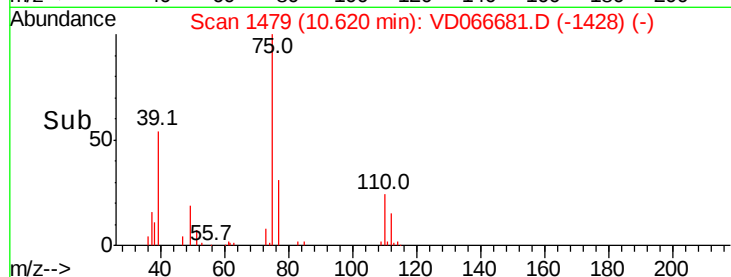
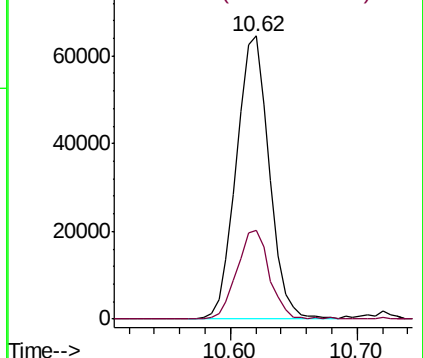
75 100

77 31.3 27.4 41.2



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 21.158 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VD066681.D

Acq: 14 Sep 2020 20:36

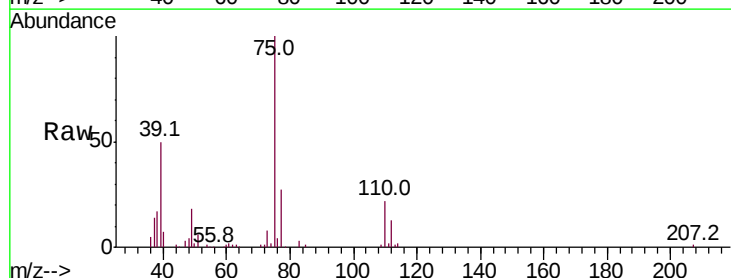
Tgt Ion: 75 Resp: 140506

Ion Ratio Lower Upper

75 100

77 27.3 25.4 38.0

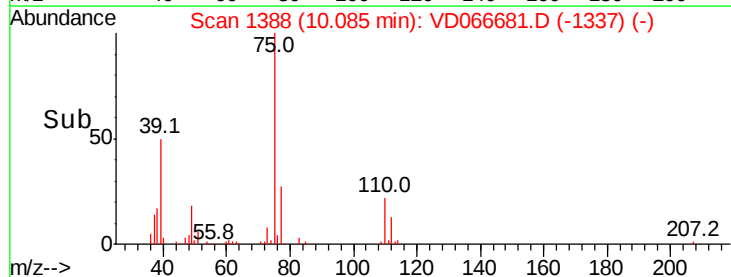
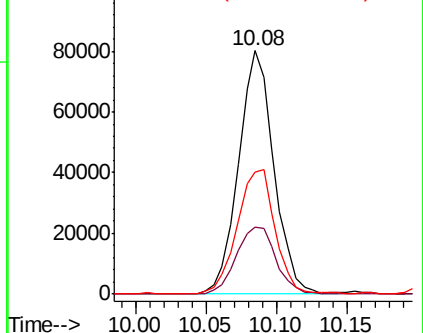
39 50.0 45.4 68.0

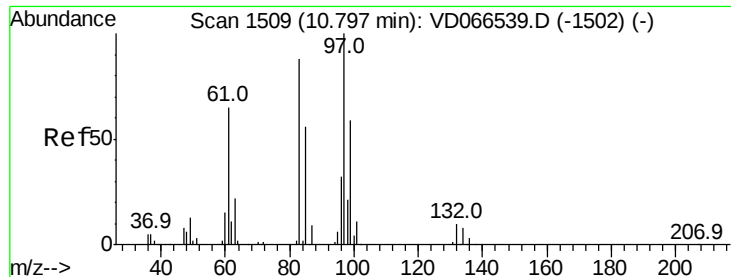


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

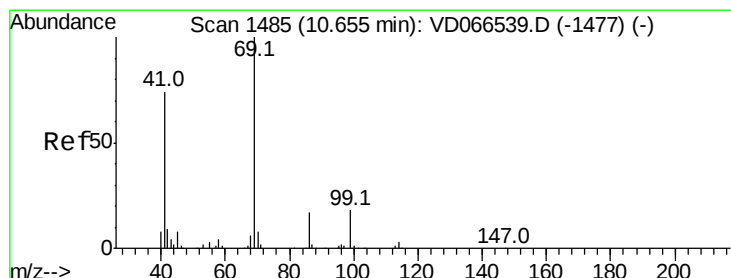
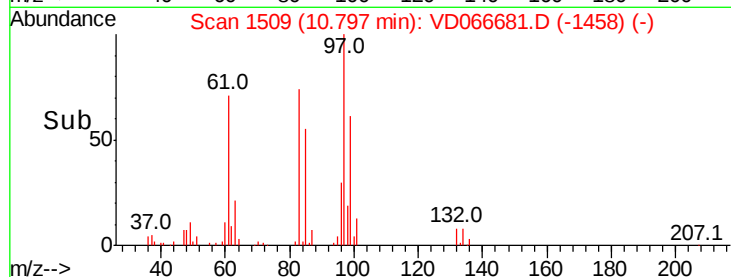
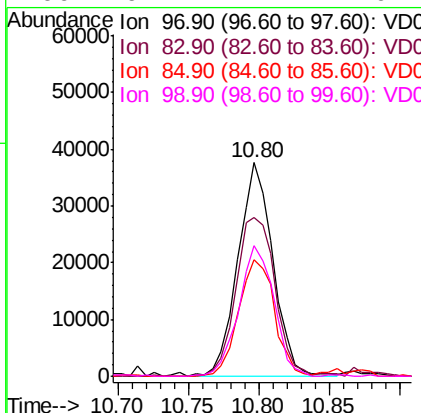
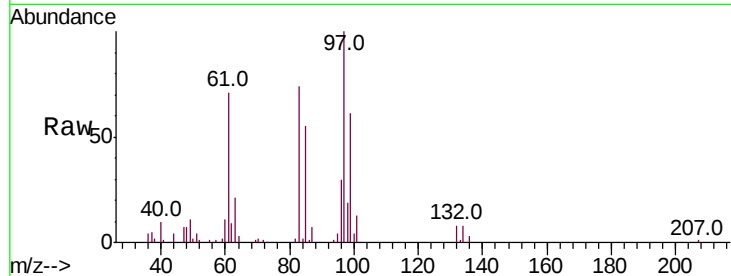




#55
 1,1,2-Trichloroethane
 Concen: 22.024 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. 0.00 min
 Lab File: VD066681.D
 Acq: 14 Sep 2020 20:36

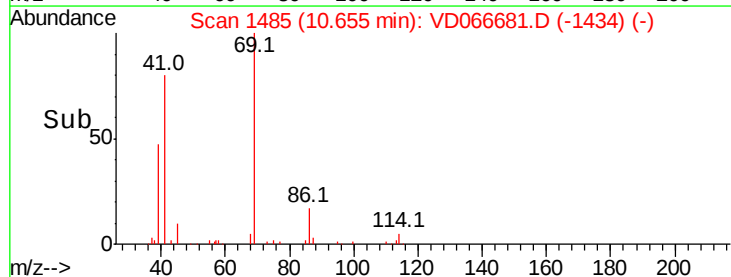
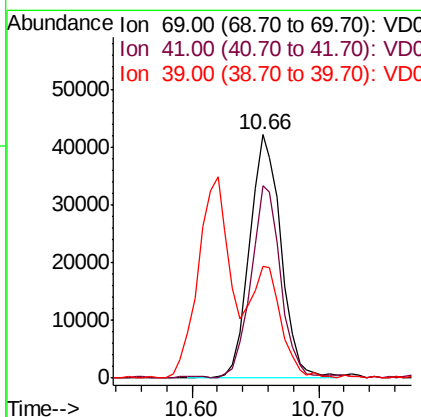
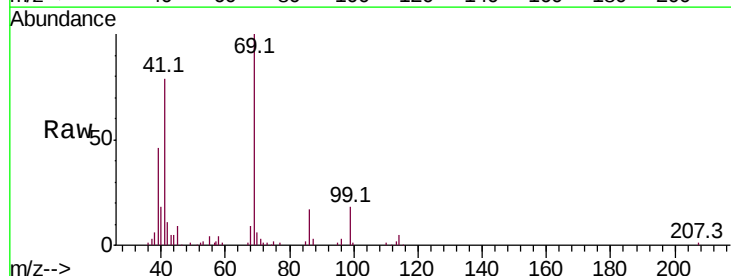
Instrument :
 MSVOA_D
 ClientSampleId :

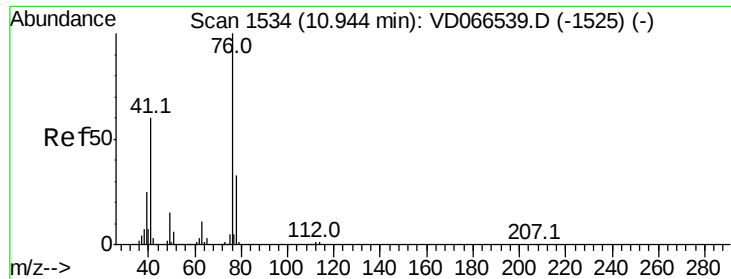
Tot Ion:	97	Resp:	65565
Ion	Ratio	Lower	Upper
97	100		
83	74.1	70.1	105.1
85	54.7	44.5	66.7
99	61.2	47.1	70.7



#56
 Ethyl methacrylate
 Concen: 21.013 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD066681.D
 Acq: 14 Sep 2020 20:36

Tgt Ion:	69	Resp:	72837
Ion	Ratio	Lower	Upper
69	100		
41	76.1	56.8	85.2
39	45.5	30.6	46.0





#57

1,3-Dichloropropane

Concen: 21.922 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VD066681.D

Acq: 14 Sep 2020 20:36

Instrument :

MSVOA_D

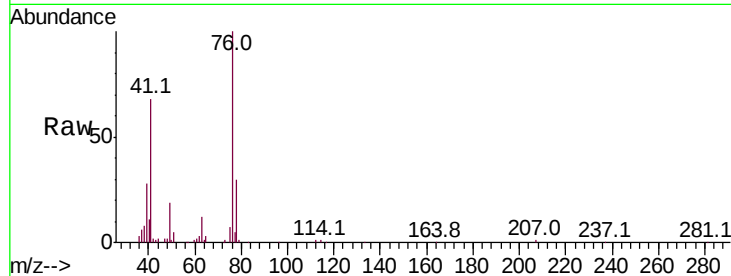
ClientSampleId :

Tot Ion: 76 Resp: 114309

Ion Ratio Lower Upper

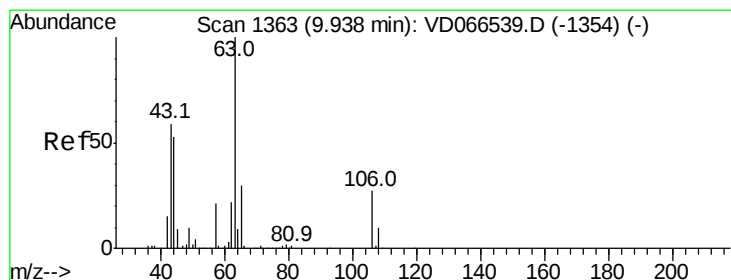
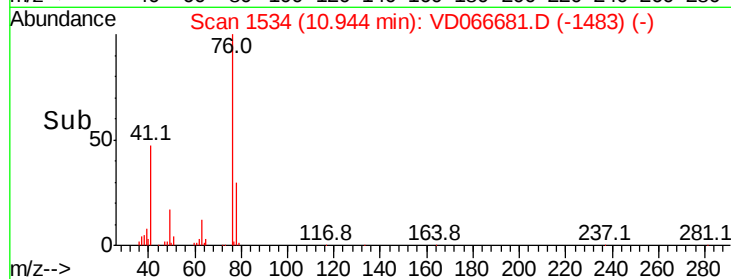
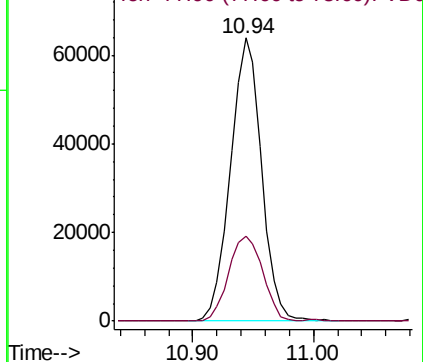
76 100

78 33.2 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 130.565 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VD066681.D

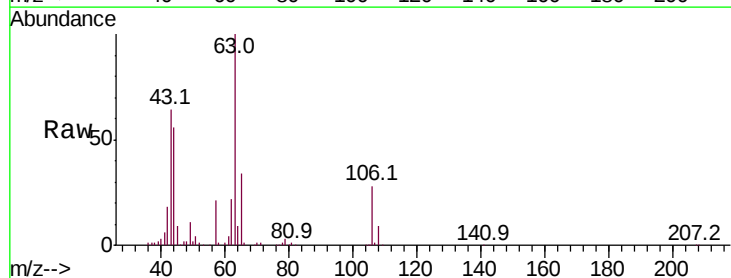
Acq: 14 Sep 2020 20:36

Tgt Ion: 63 Resp: 207003

Ion Ratio Lower Upper

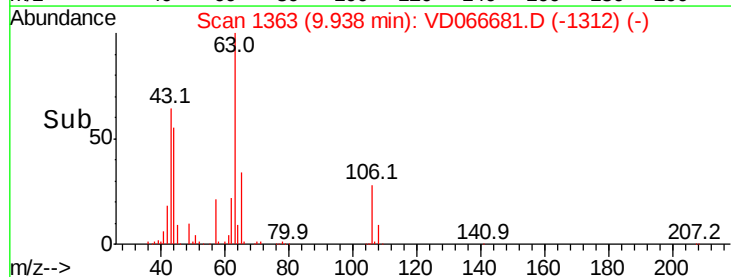
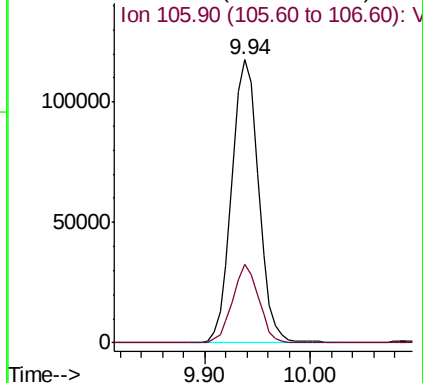
63 100

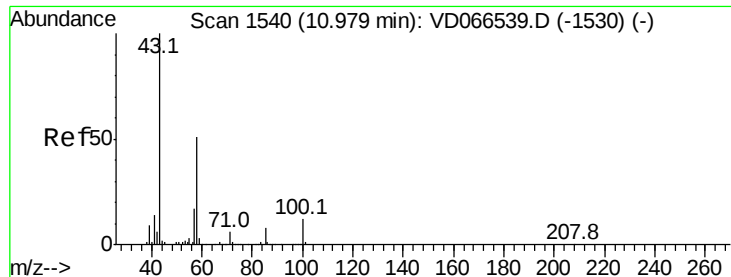
106 27.1 22.0 33.0



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 104.769 ug/l

RT: 10.98 min Scan# 1541

Delta R.T. 0.01 min

Lab File: VD066681.D

Acq: 14 Sep 2020 20:36

Instrument :

MSVOA_D

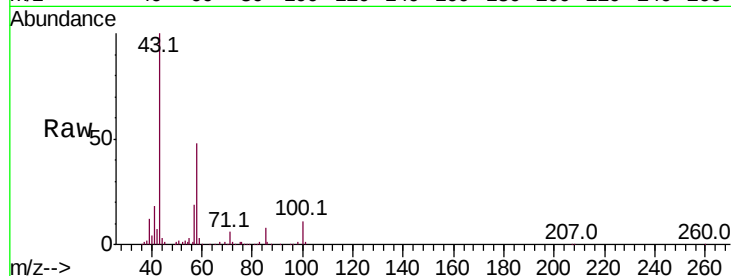
ClientSampled :

Tot Ion: 43 Resp: 165216

Ion Ratio Lower Upper

43 100

58 49.2 25.6 76.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.98

100000

80000

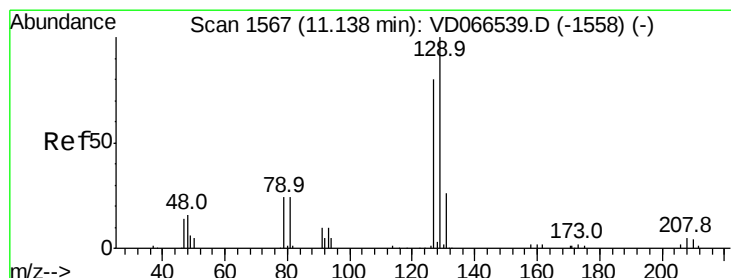
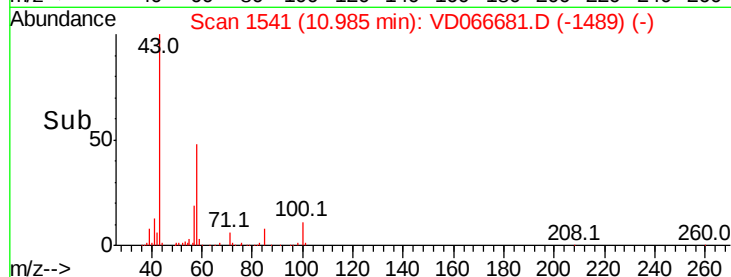
60000

40000

20000

0

Time-->



#60

Dibromochloromethane

Concen: 21.475 ug/l

RT: 11.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VD066681.D

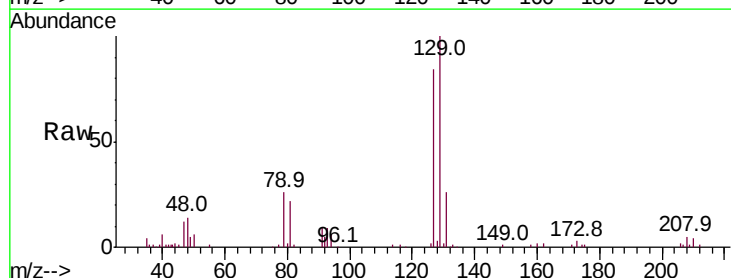
Acq: 14 Sep 2020 20:36

Tgt Ion: 129 Resp: 84539

Ion Ratio Lower Upper

129 100

127 81.6 39.5 118.3



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

11.14

50000

40000

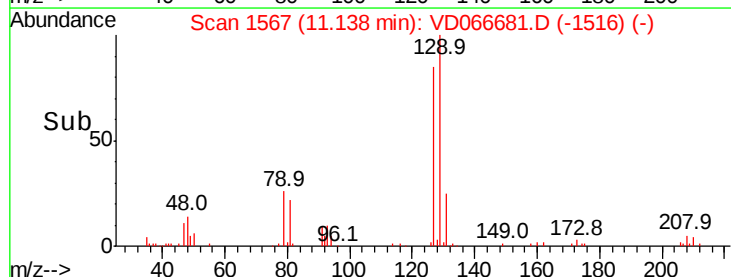
30000

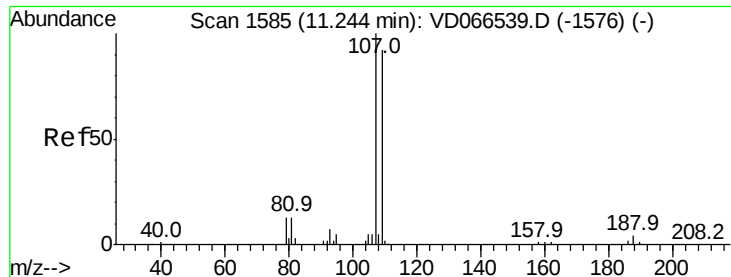
20000

10000

0

Time-->

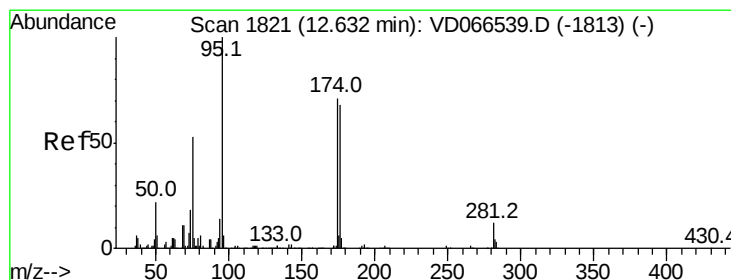
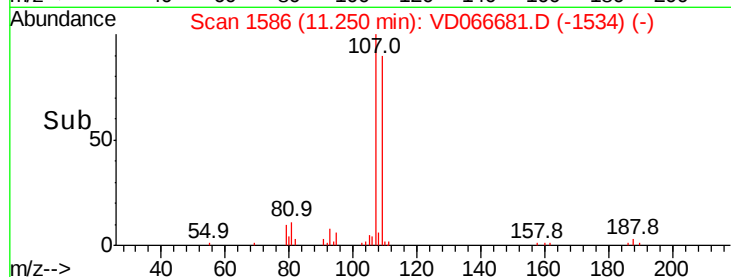
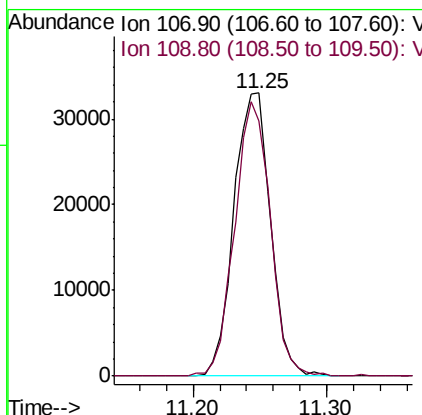
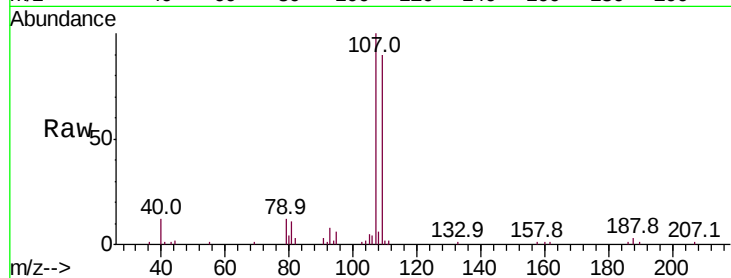




#61
 1,2-Dibromoethane
 Concen: 21.635 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD066681.D
 Acq: 14 Sep 2020 20:36

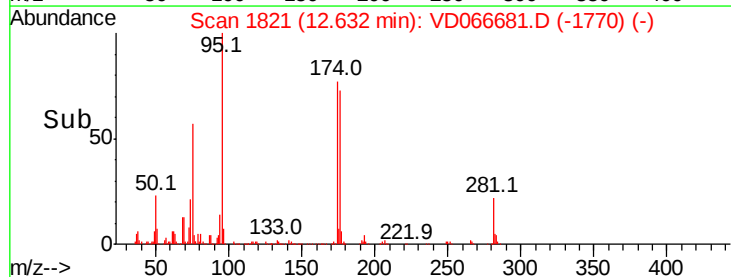
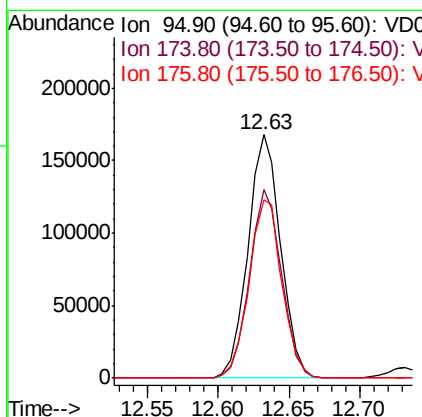
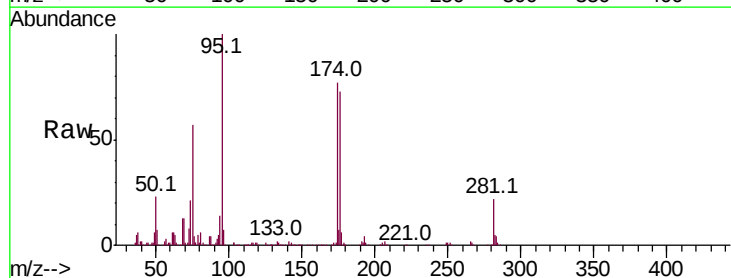
Instrument :
 MSVOA_D
 ClientSampleId :

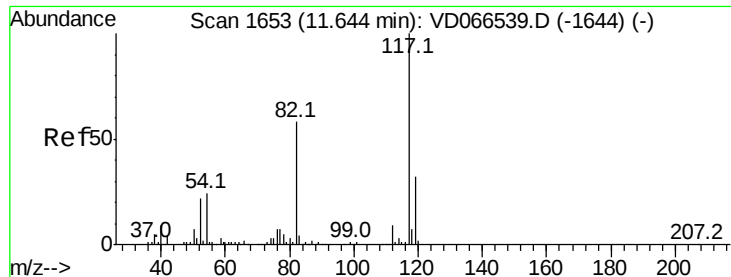
Tot Ion:107 Resp: 62661
 Ion Ratio Lower Upper
 107 100
 109 94.4 74.4 111.6



#62
 4-Bromofluorobenzene
 Concen: 58.157 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD066681.D
 Acq: 14 Sep 2020 20:36

Tgt Ion: 95 Resp: 272239
 Ion Ratio Lower Upper
 95 100
 174 76.4 0.0 155.8
 176 74.2 0.0 148.6

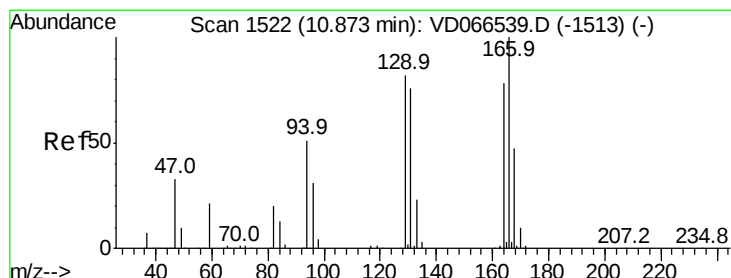
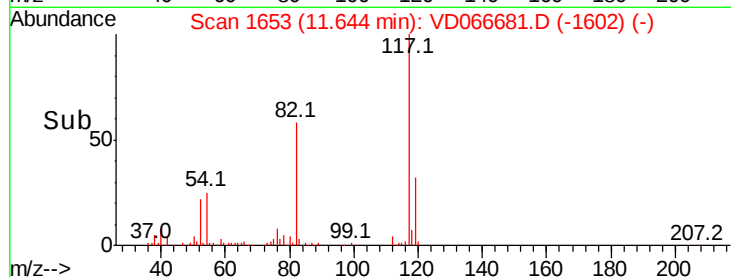
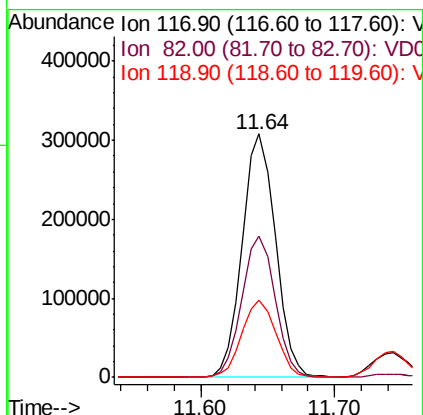
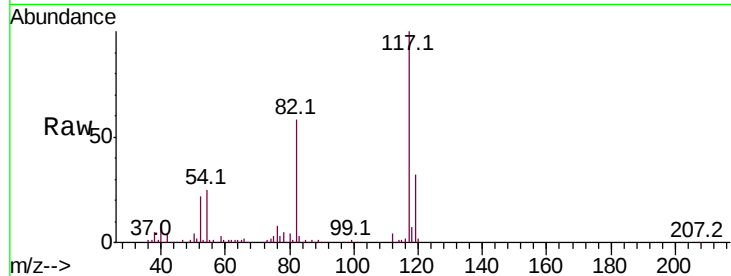




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066681.D
Acq: 14 Sep 2020 20:36

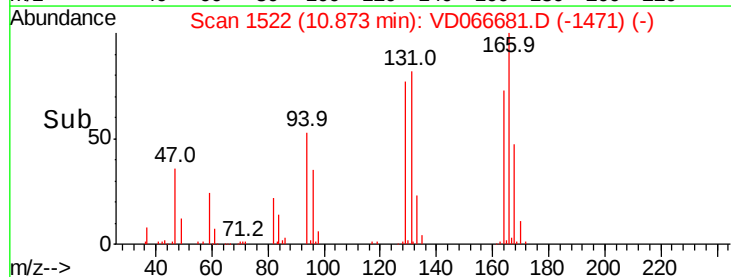
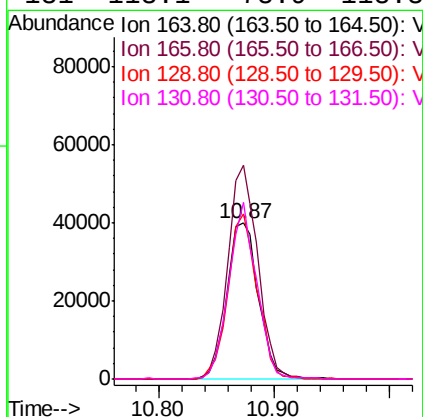
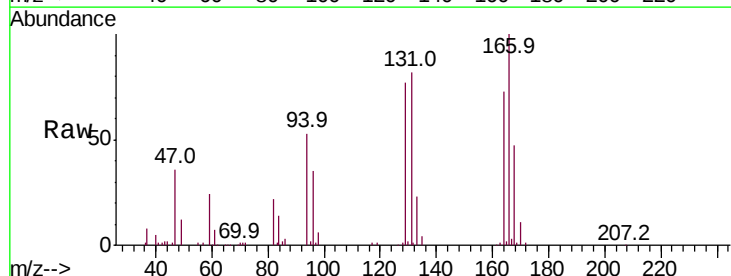
Instrument :
MSVOA_D
ClientSampleId :

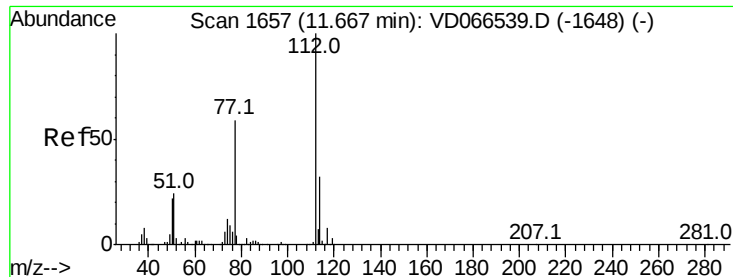
Tot Ion:117 Resp: 531962
Ion Ratio Lower Upper
117 100
82 58.2 46.2 69.2
119 31.9 25.8 38.8



#64
Tetrachloroethene
Concen: 21.142 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066681.D
Acq: 14 Sep 2020 20:36

Tgt Ion:164 Resp: 75725
Ion Ratio Lower Upper
164 100
166 137.2 103.2 154.8
129 105.7 84.5 126.7
131 113.1 78.9 118.3





#65

Chlorobenzene

Concen: 21.239 ug/l

RT: 11.67 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VD066681.D

Acq: 14 Sep 2020 20:36

Instrument :

MSVOA_D

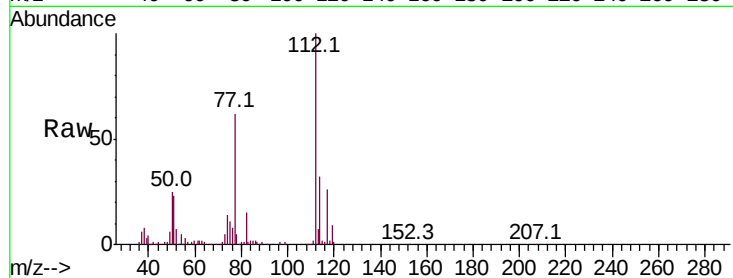
ClientSampleId :

Tot Ion:112 Resp: 233192

Ion Ratio Lower Upper

112 100

114 32.2 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.67

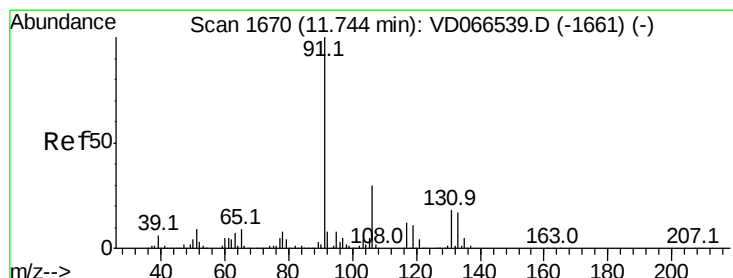
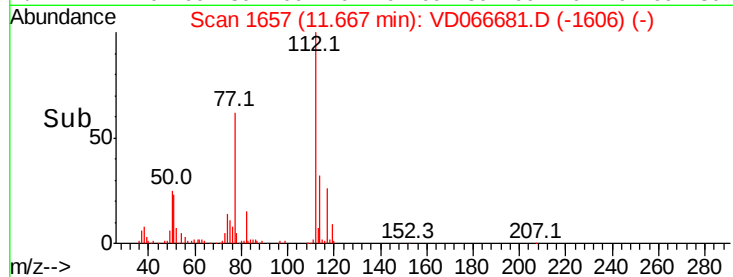
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 21.194 ug/l

RT: 11.74 min Scan# 1669

Delta R.T. -0.01 min

Lab File: VD066681.D

Acq: 14 Sep 2020 20:36

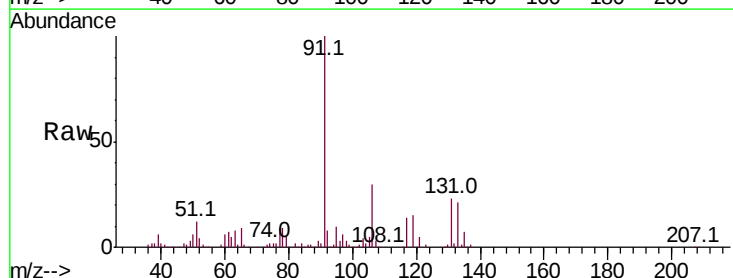
Tgt Ion:131 Resp: 88807

Ion Ratio Lower Upper

131 100

133 95.7 46.7 140.0

119 65.6 31.9 95.7



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

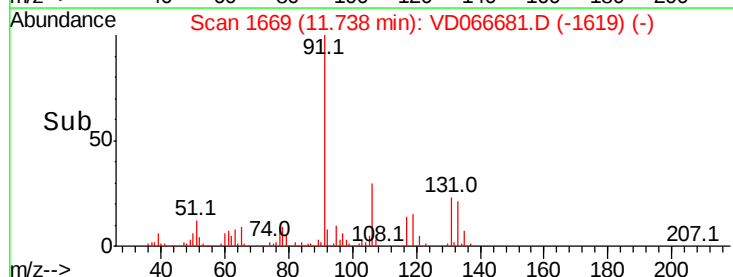
11.74

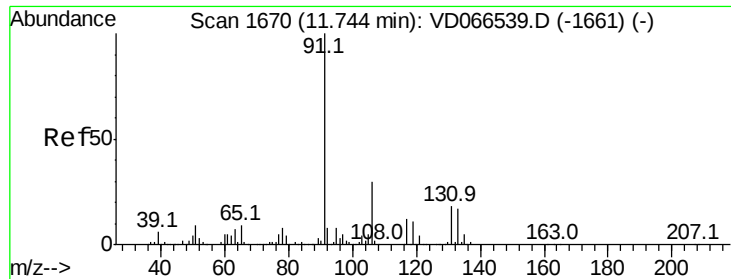
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 20.642 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD066681.D

Acq: 14 Sep 2020 20:36

Instrument :

MSVOA_D

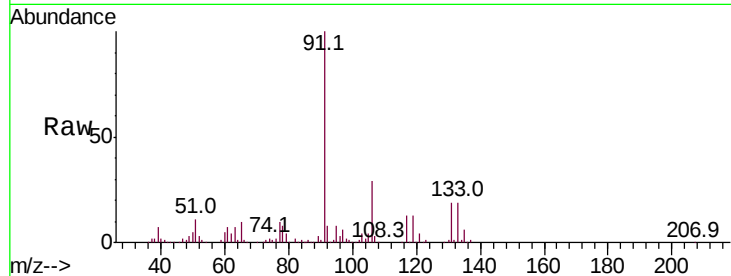
ClientSampleId :

Tot Ion: 91 Resp: 416144

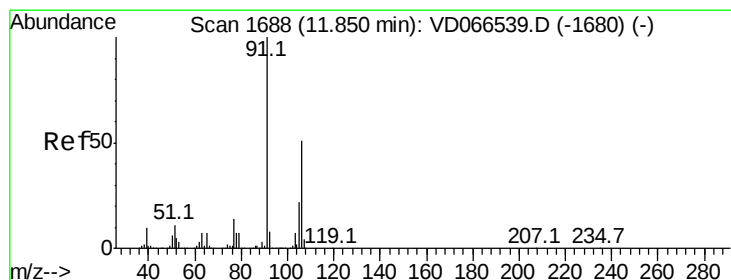
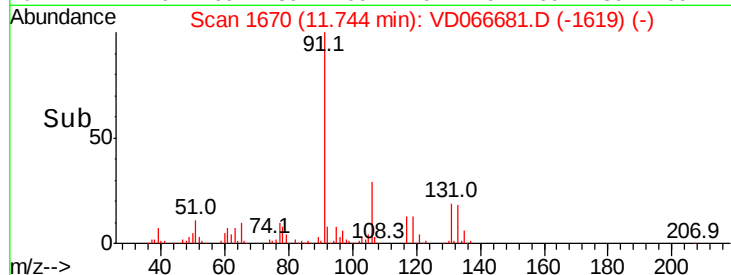
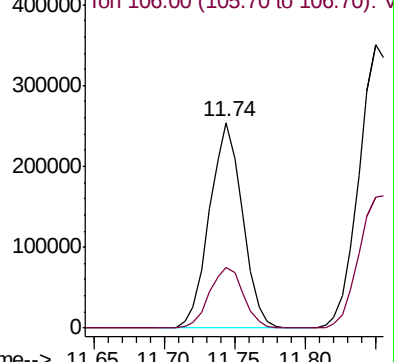
Ion Ratio Lower Upper

91 100

106 29.4 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): VD066539.D (-1661) (-)



#68

m/p-Xylenes

Concen: 41.827 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.01 min

Lab File: VD066681.D

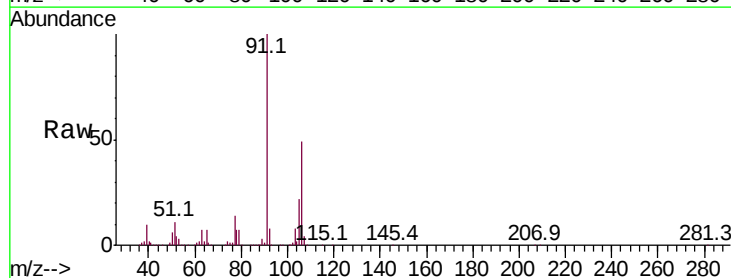
Acq: 14 Sep 2020 20:36

Tgt Ion: 106 Resp: 313094

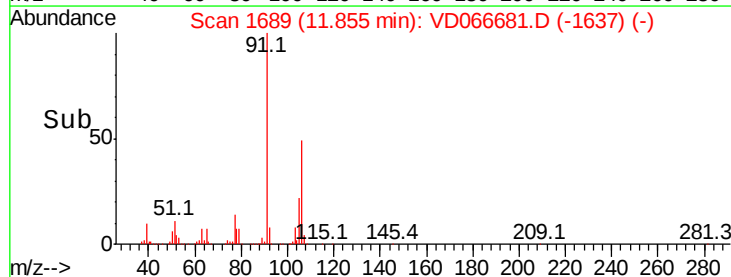
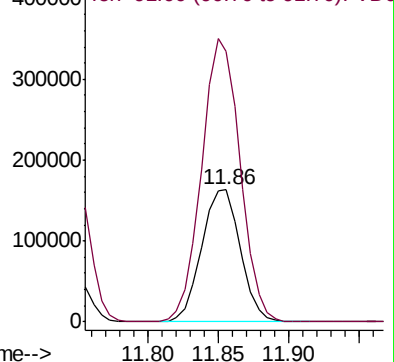
Ion Ratio Lower Upper

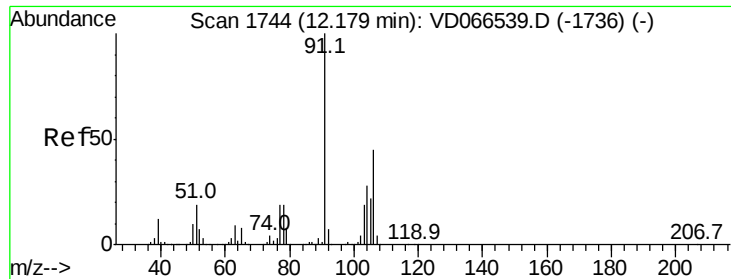
106 100

91 212.7 162.4 243.6



Abundance Ion 106.00 (105.70 to 106.70): VD066539.D (-1680) (-)

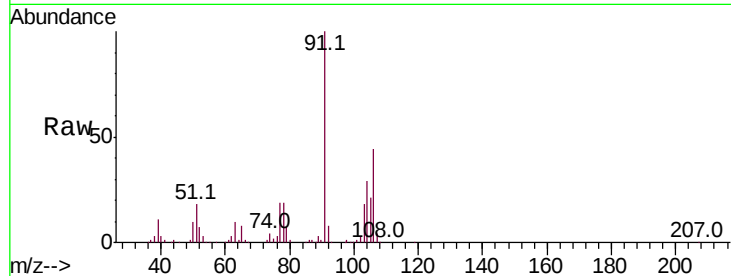




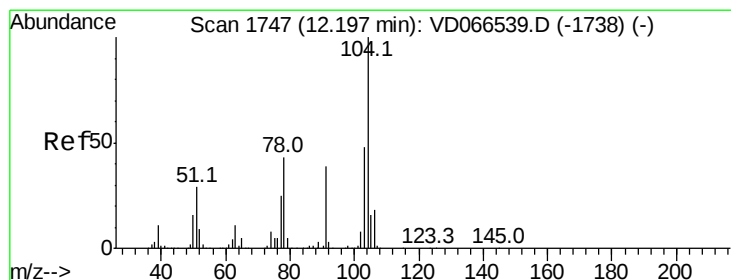
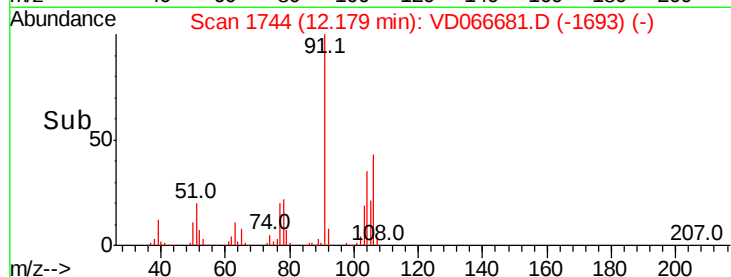
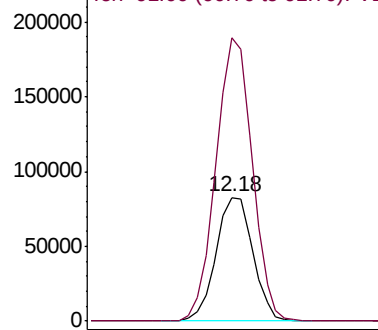
#69
o-Xylene
Concen: 20.988 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066681.D
Acq: 14 Sep 2020 20:36

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 140797
Ion Ratio Lower Upper
106 100
91 226.6 107.9 323.8

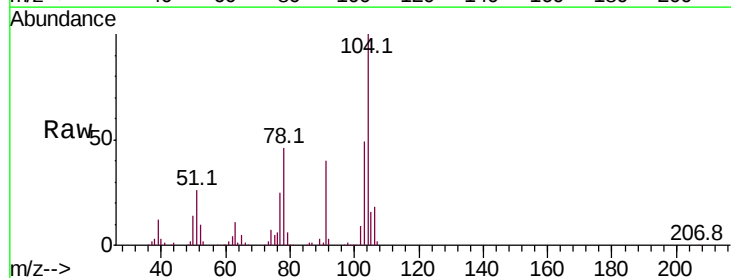


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

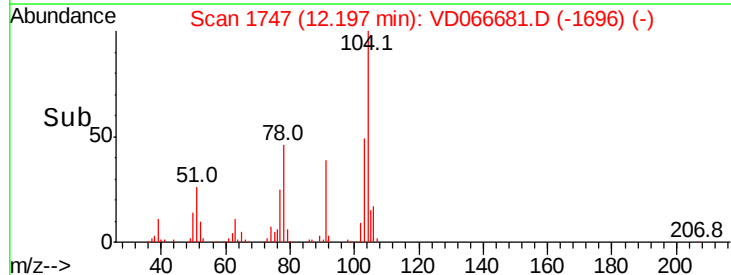
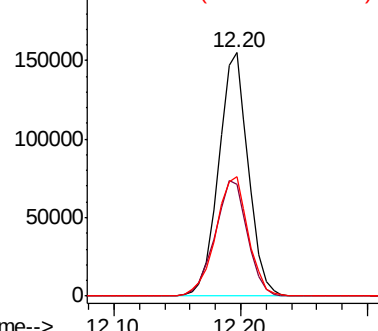


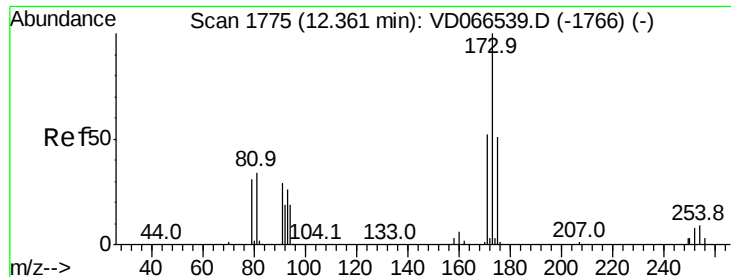
#70
Styrene
Concen: 21.585 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066681.D
Acq: 14 Sep 2020 20:36

Tgt Ion:104 Resp: 251737
Ion Ratio Lower Upper
104 100
78 52.2 40.7 61.1
103 53.6 42.9 64.3



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 21.146 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066681.D

Acq: 14 Sep 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

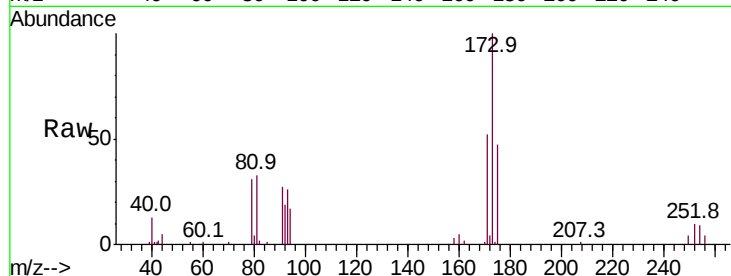
Tot Ion:173 Resp: 44656

Ion Ratio Lower Upper

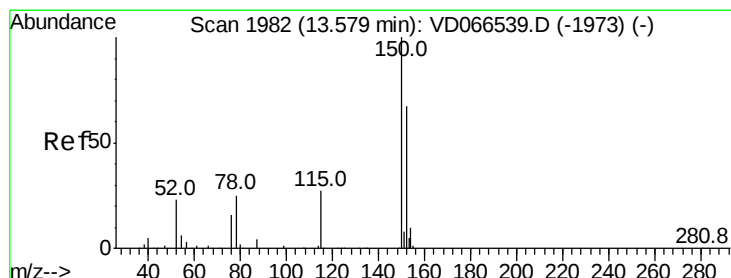
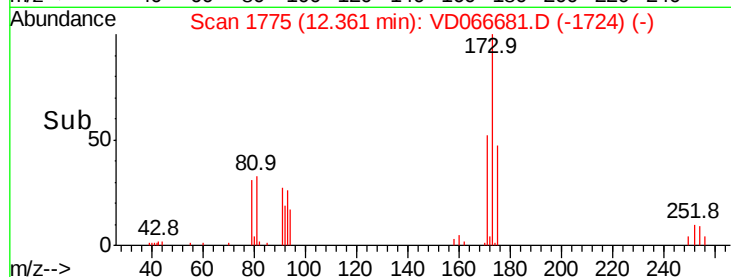
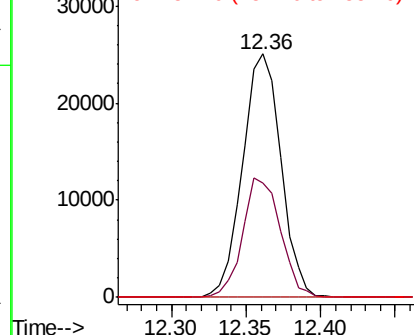
173 100

175 48.3 24.2 72.6

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066681.D

Acq: 14 Sep 2020 20:36

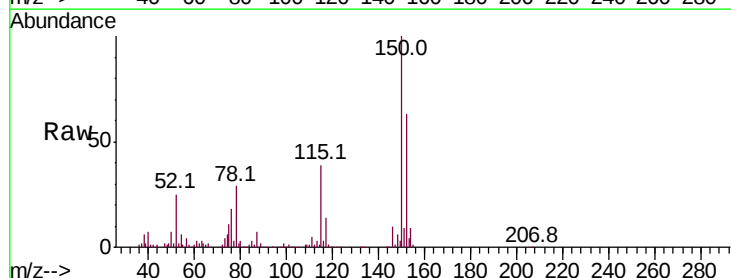
Tgt Ion:152 Resp: 246485

Ion Ratio Lower Upper

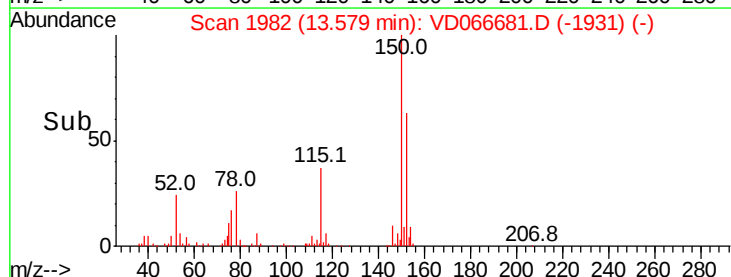
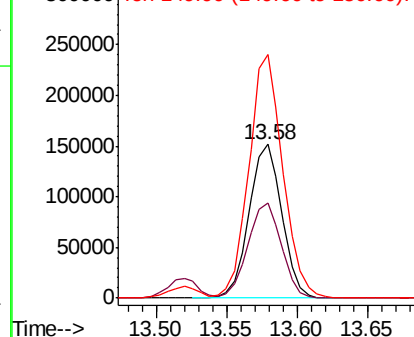
152 100

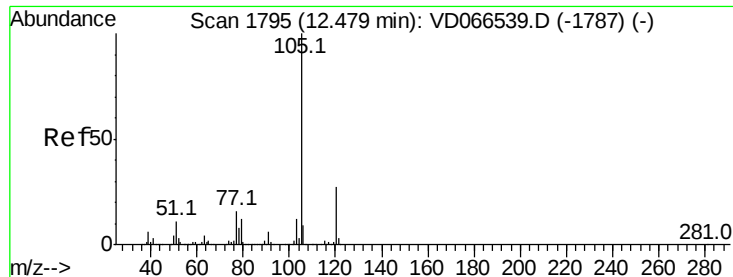
115 63.6 30.4 91.2

150 164.4 0.0 345.8



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

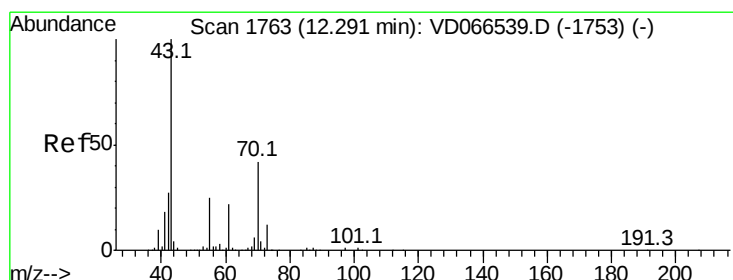
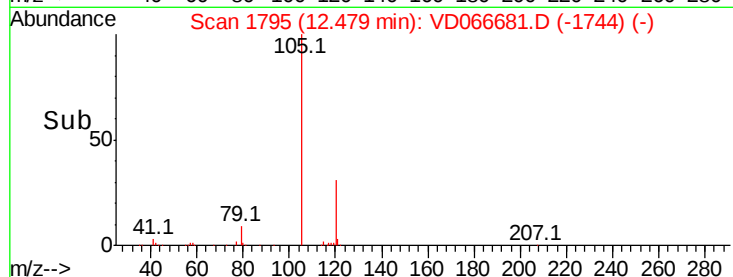
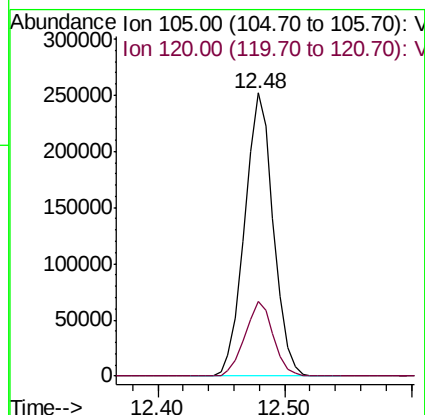
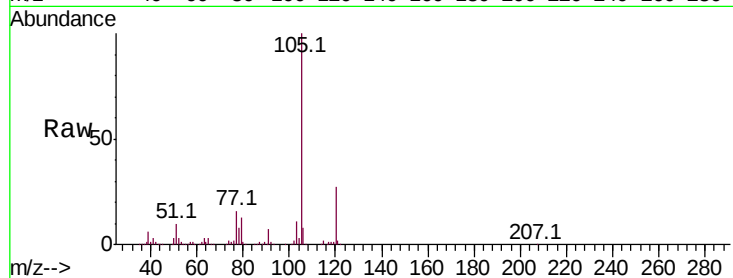




#73
Isopropylbenzene
Concen: 21.605 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VD066681.D
Acq: 14 Sep 2020 20:36

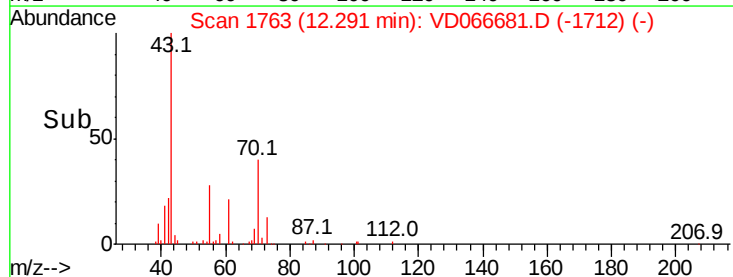
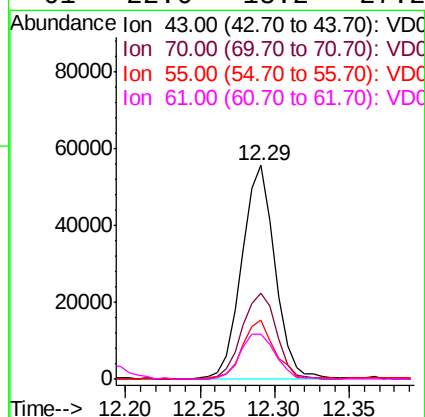
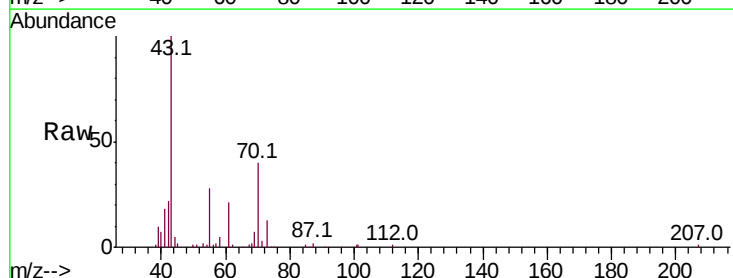
Instrument :
MSVOA_D
ClientSampled :

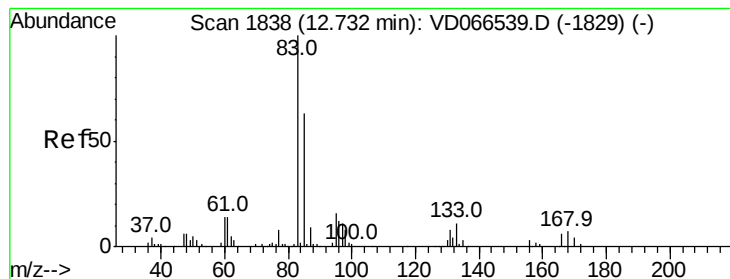
Tot Ion:105 Resp: 394285
Ion Ratio Lower Upper
105 100
120 26.1 13.0 39.0



#74
N-ethyl acetate
Concen: 20.850 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD066681.D
Acq: 14 Sep 2020 20:36

Tgt Ion: 43 Resp: 86180
Ion Ratio Lower Upper
43 100
70 41.8 33.4 50.2
55 27.0 20.1 30.1
61 22.6 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 21.277 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD066681.D

Acq: 14 Sep 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

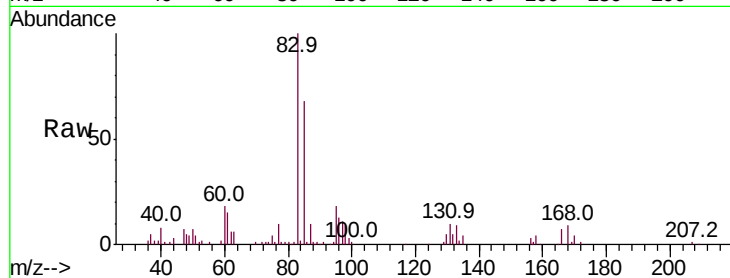
Tot Ion: 83 Resp: 68600

Ion Ratio Lower Upper

83 100

131 10.7 5.0 15.0

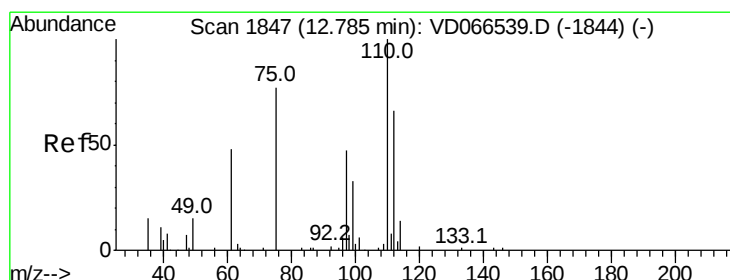
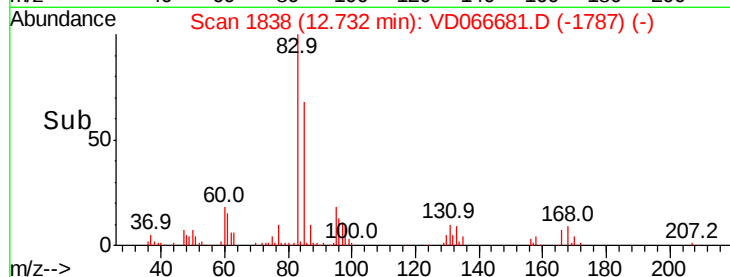
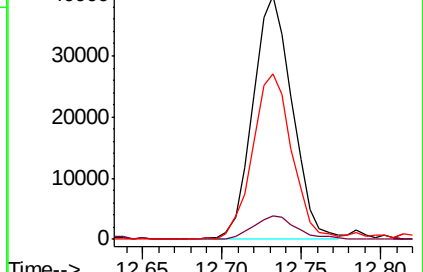
85 68.2 32.1 96.3



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: 39.811 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD066681.D

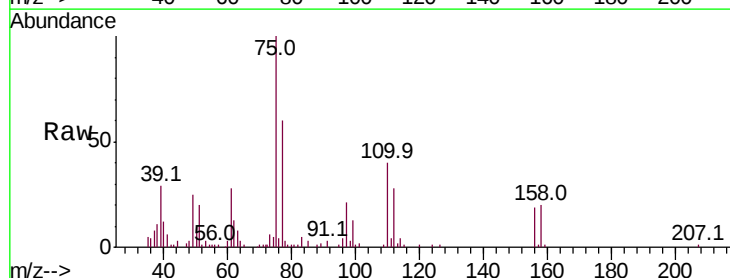
Acq: 14 Sep 2020 20:36

Tgt Ion: 75 Resp: 94374

Ion Ratio Lower Upper

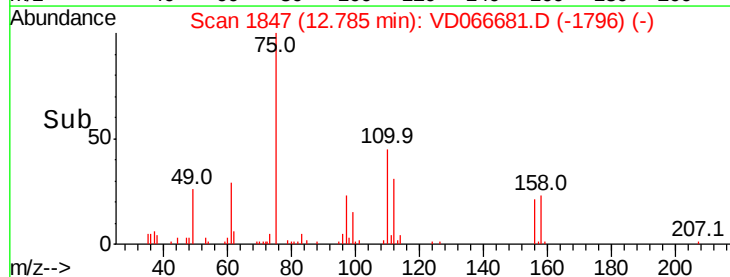
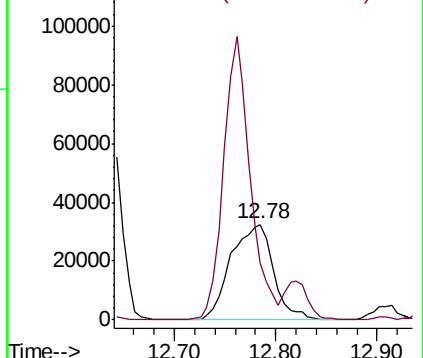
75 100

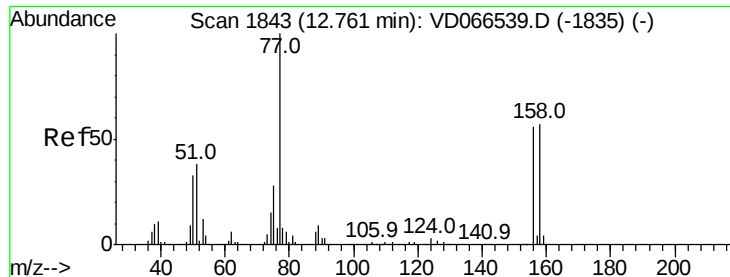
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 22.222 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD066681.D

Acq: 14 Sep 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

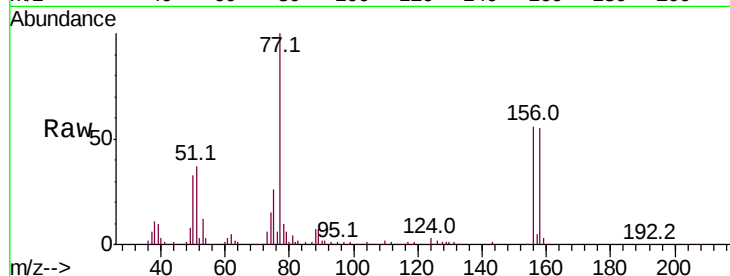
Tot Ion:156 Resp: 90413

Ion Ratio Lower Upper

156 100

77 195.0 98.0 294.1

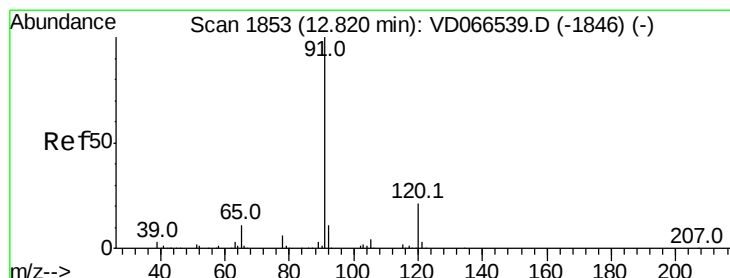
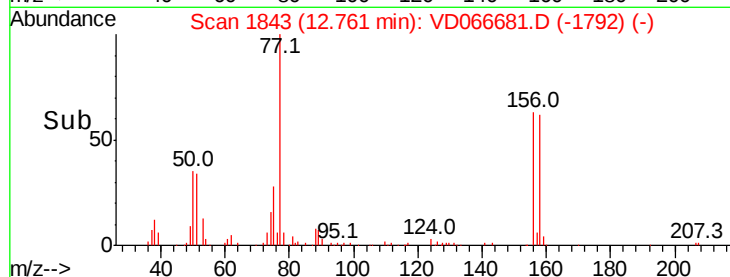
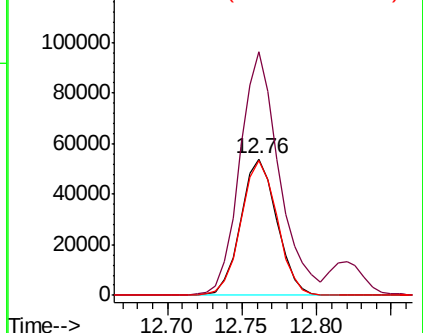
158 98.7 48.1 144.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.887 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066681.D

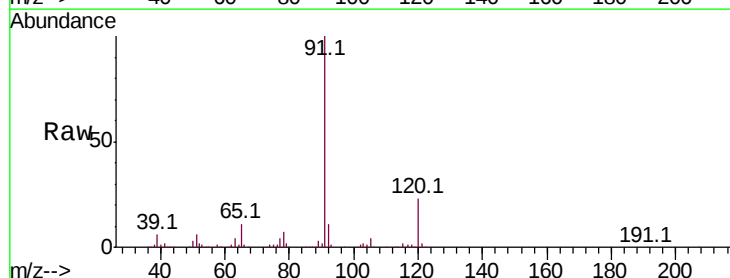
Acq: 14 Sep 2020 20:36

Tgt Ion: 91 Resp: 484202

Ion Ratio Lower Upper

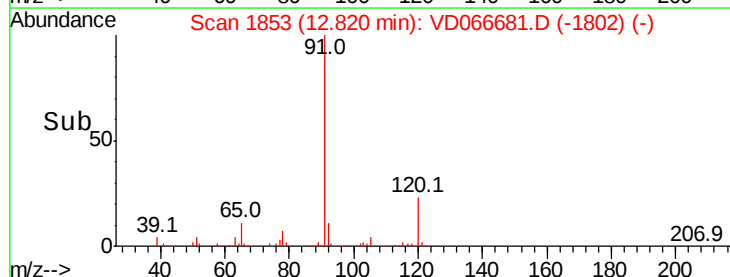
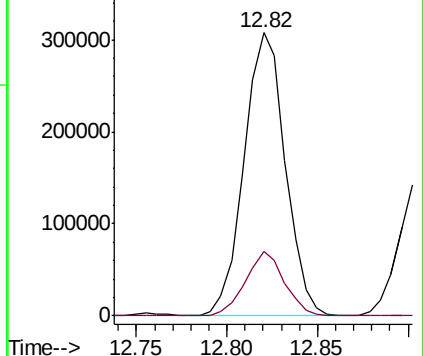
91 100

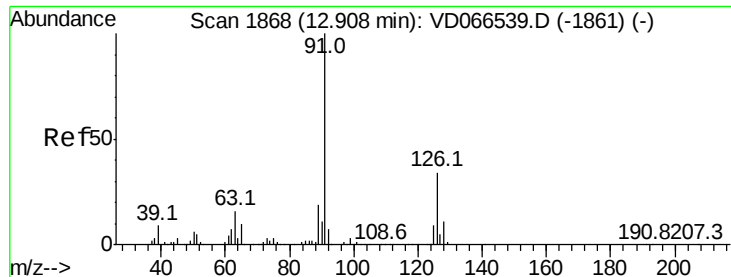
120 21.7 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

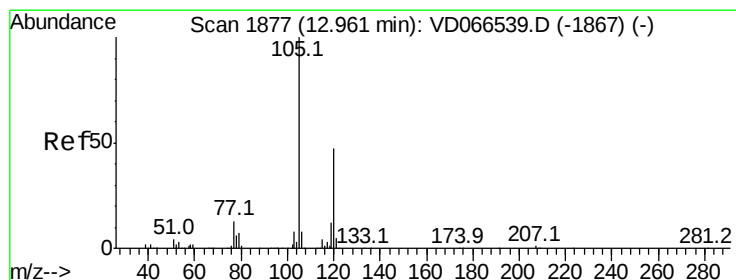
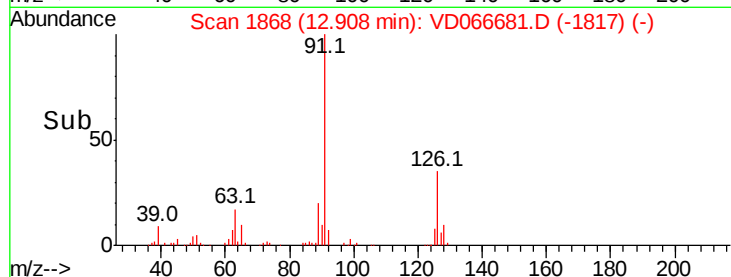
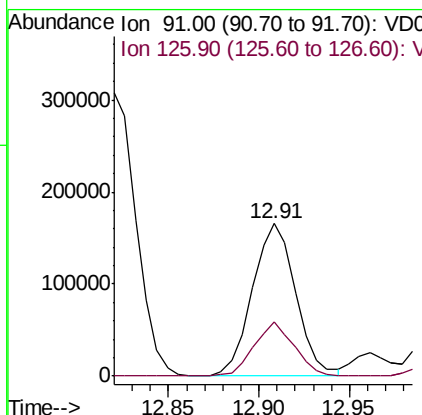
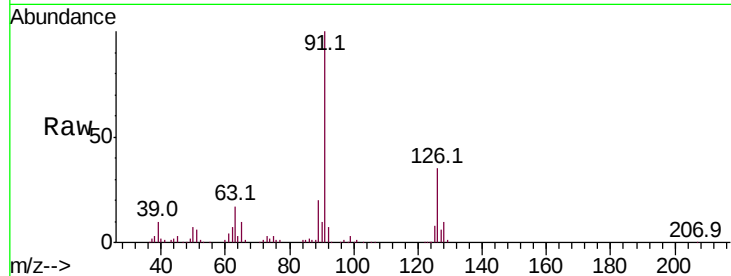




#79
 2-Chlorotoluene
 Concen: 22.238 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VD066681.D
 Acq: 14 Sep 2020 20:36

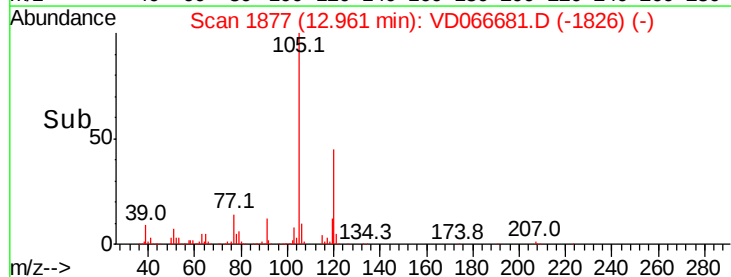
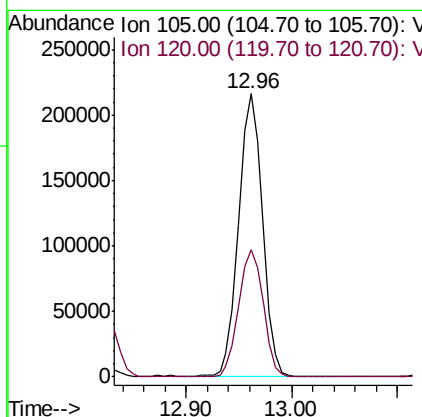
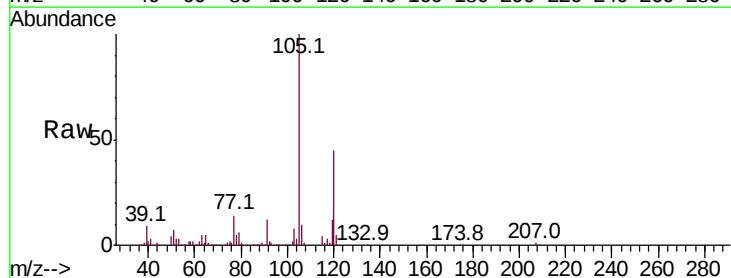
Instrument :
 MSVOA_D
 ClientSampleId :

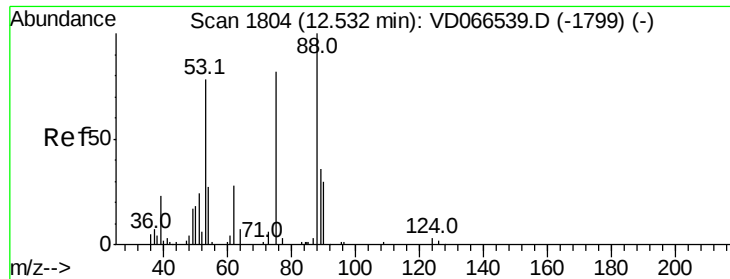
Tot Ion: 91 Resp: 275998
 Ion Ratio Lower Upper
 91 100
 126 32.7 16.4 49.4



#80
 1,3,5-Trimethylbenzene
 Concen: 21.950 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD066681.D
 Acq: 14 Sep 2020 20:36

Tgt Ion:105 Resp: 337158
 Ion Ratio Lower Upper
 105 100
 120 46.4 23.9 71.8





#81

trans-1,4-Dichloro-2-butene

Concen: 21.113 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066681.D

Acq: 14 Sep 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

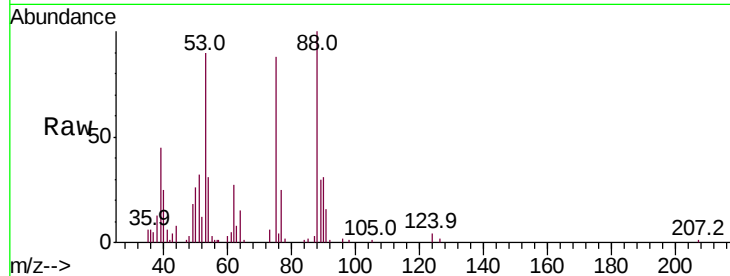
Tot Ion: 75 Resp: 21437

Ion Ratio Lower Upper

75 100

53 110.8 87.0 130.4

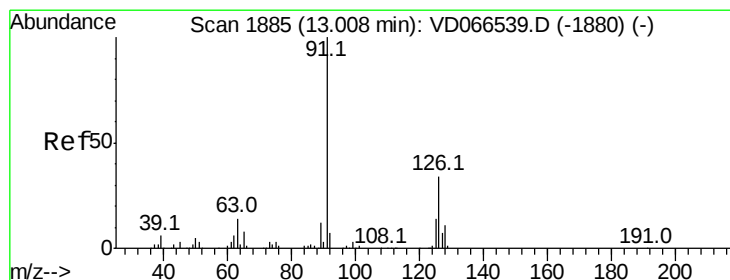
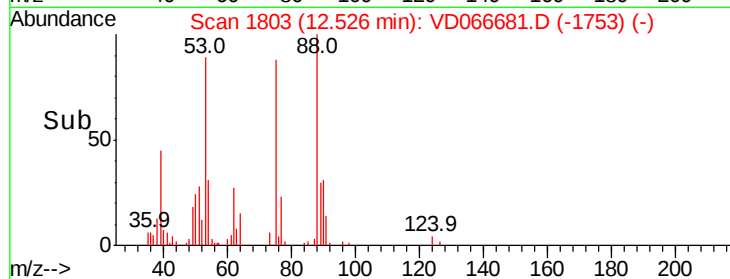
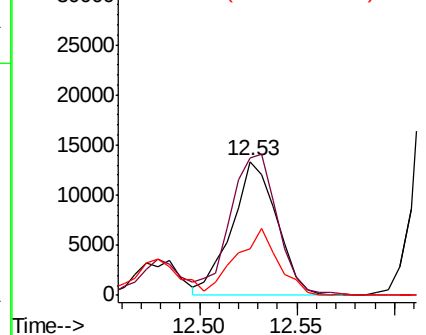
89 46.2 37.1 55.7



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: 21.878 ug/l

RT: 13.00 min Scan# 1884

Delta R.T. -0.01 min

Lab File: VD066681.D

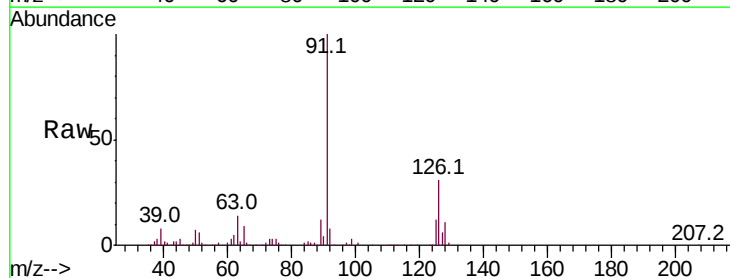
Acq: 14 Sep 2020 20:36

Tgt Ion: 91 Resp: 290355

Ion Ratio Lower Upper

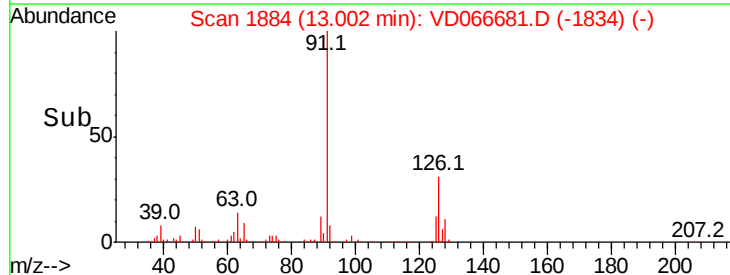
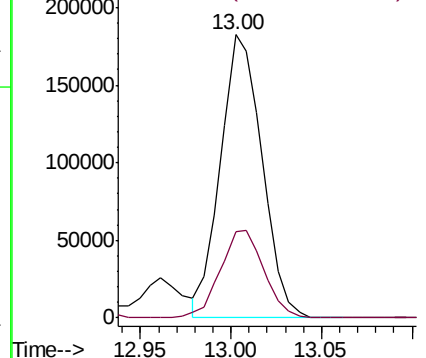
91 100

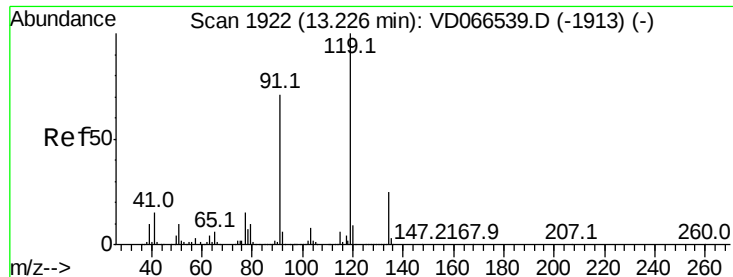
126 32.4 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 21.733 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VD066681.D

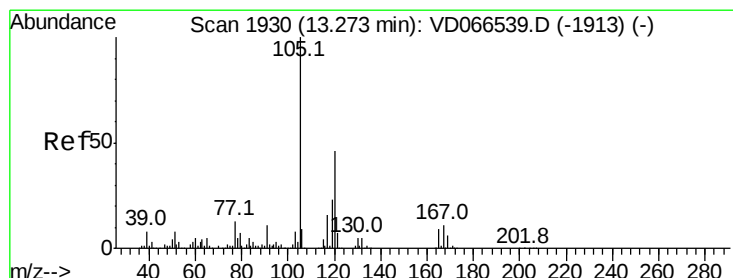
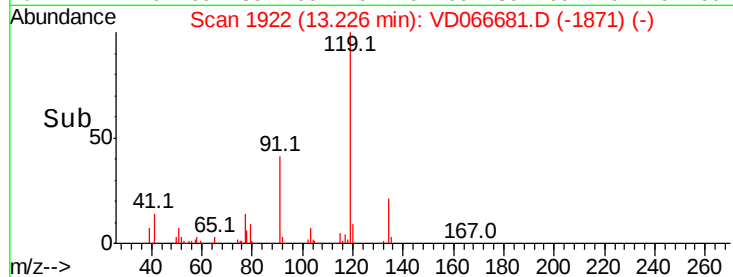
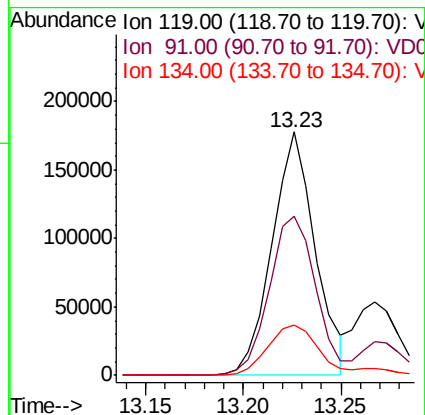
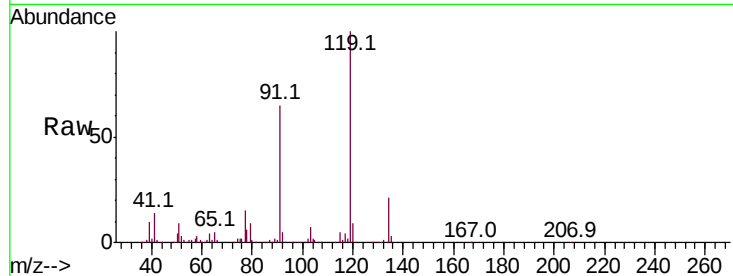
Acq: 14 Sep 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:	119	Resp:	272595
Ion	Ratio	Lower	Upper
119	100		
91	71.3	35.2	105.6
134	26.2	13.5	40.5



#84

1,2,4-Trimethylbenzene

Concen: 21.726 ug/l

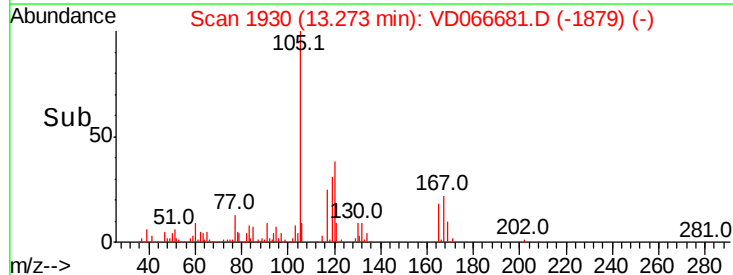
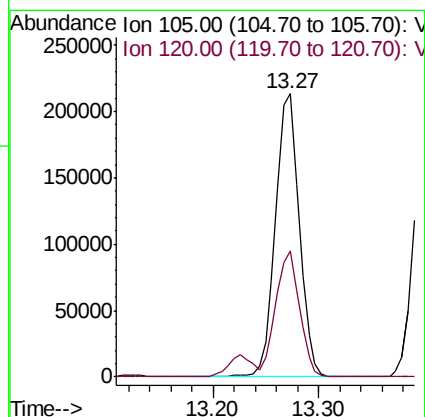
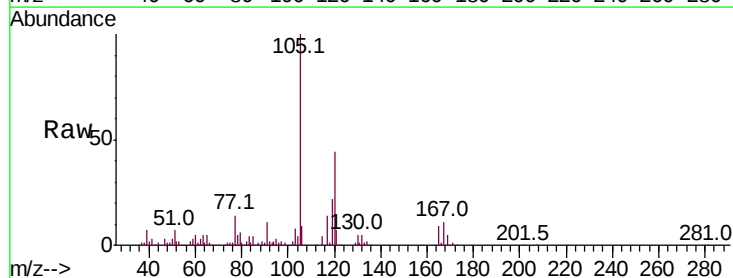
RT: 13.27 min Scan# 1930

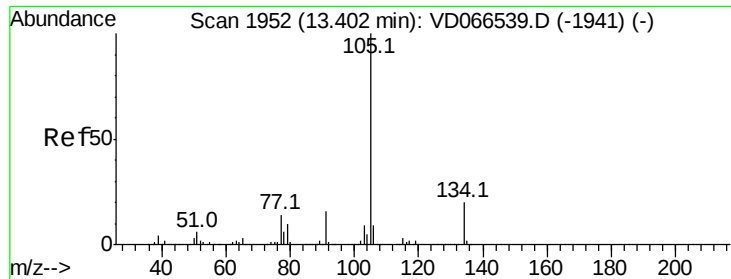
Delta R.T. 0.00 min

Lab File: VD066681.D

Acq: 14 Sep 2020 20:36

Tgt Ion:	105	Resp:	332251
Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.6	67.7





#85

sec-Butylbenzene

Concen: 21.165 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VD066681.D

Acq: 14 Sep 2020 20:36

Instrument :

MSVOA_D

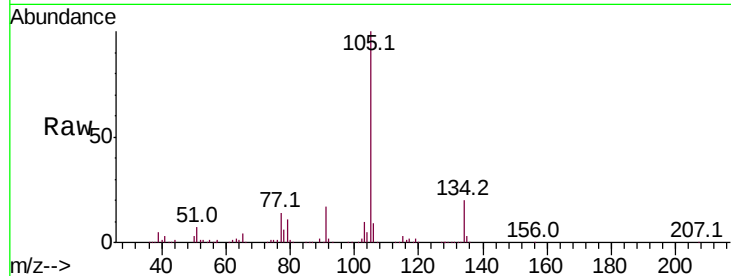
ClientSampleId :

Tot Ion:105 Resp: 382477

Ion Ratio Lower Upper

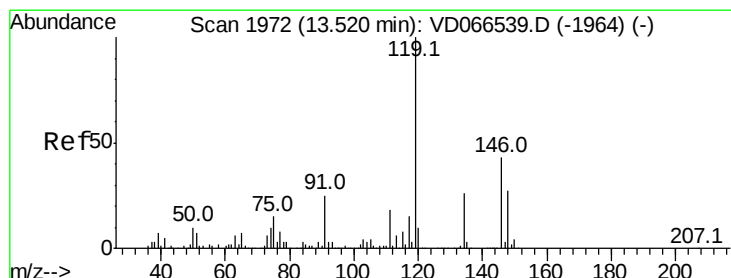
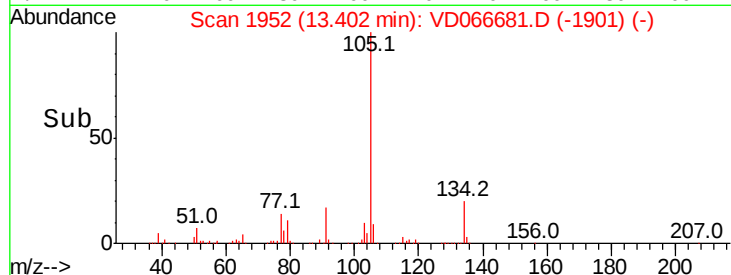
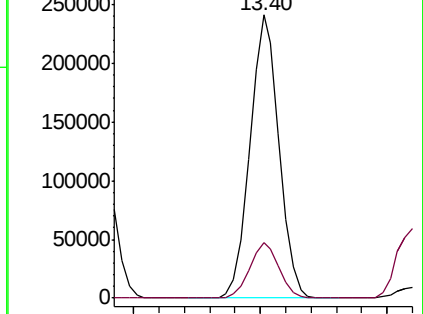
105 100

134 19.7 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.341 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066681.D

Acq: 14 Sep 2020 20:36

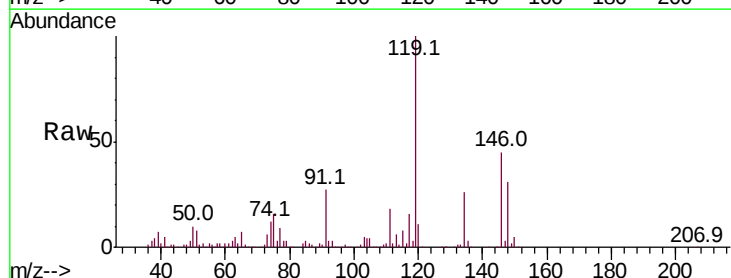
Tgt Ion:119 Resp: 347117

Ion Ratio Lower Upper

119 100

134 25.6 12.7 38.0

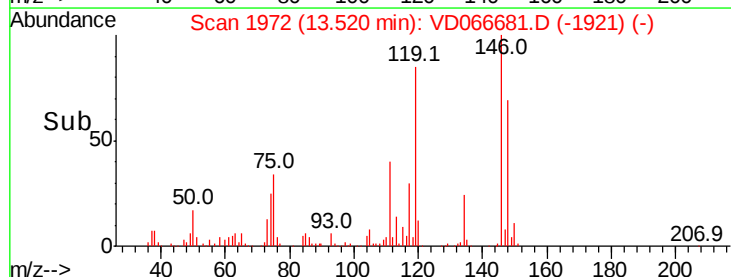
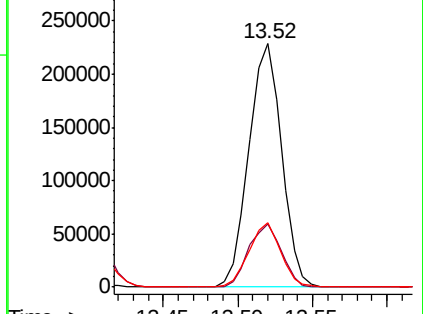
91 25.6 12.5 37.5

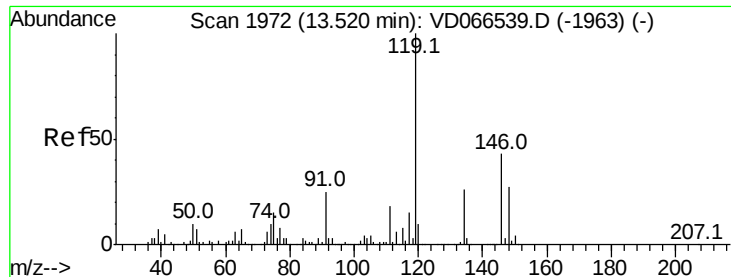


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 21.368 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

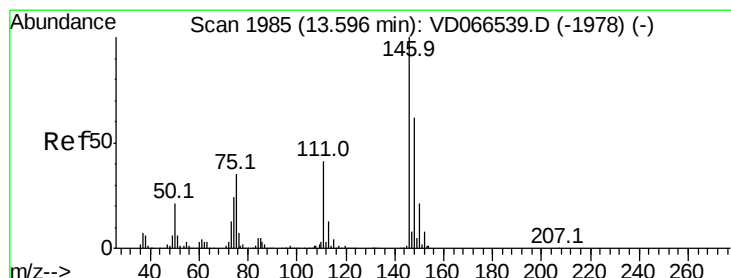
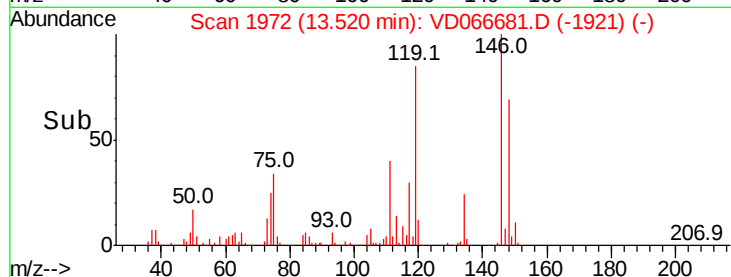
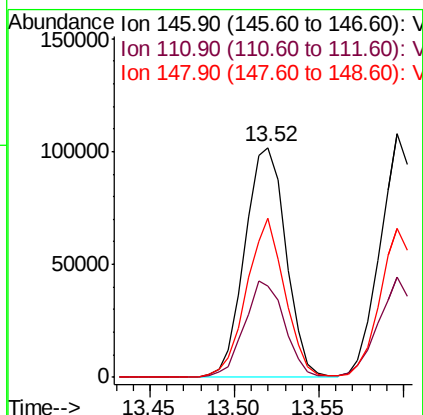
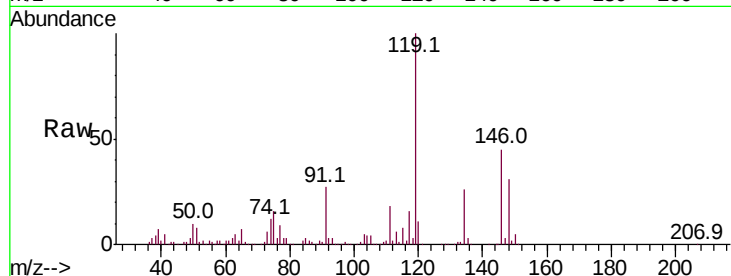
Lab File: VD066681.D

Acq: 14 Sep 2020 20:36

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:146 Resp: 172598

Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.6	61.9
148	64.4	32.1	96.3



#88

1,4-Dichlorobenzene

Concen: 20.987 ug/l

RT: 13.60 min Scan# 1985

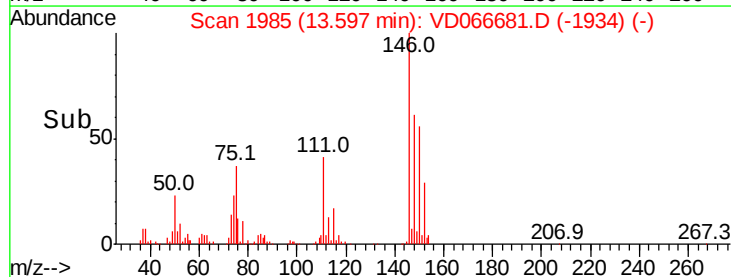
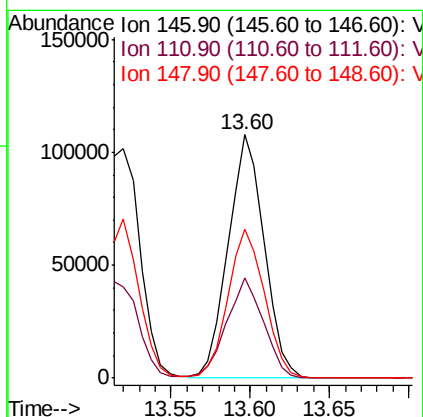
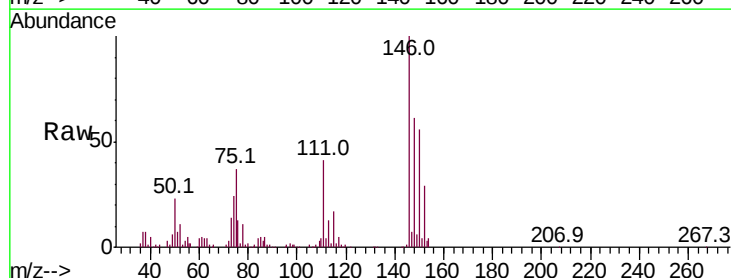
Delta R.T. 0.00 min

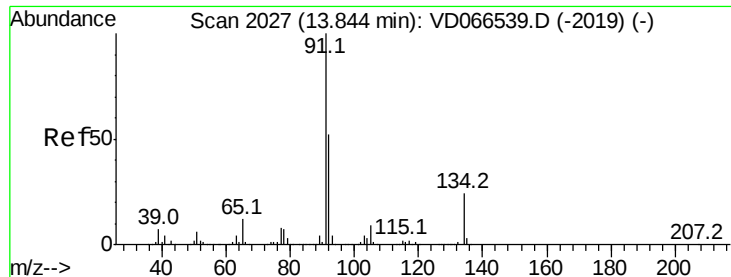
Lab File: VD066681.D

Acq: 14 Sep 2020 20:36

Tgt Ion:146 Resp: 170143

Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.1	60.2
148	62.1	31.6	94.8

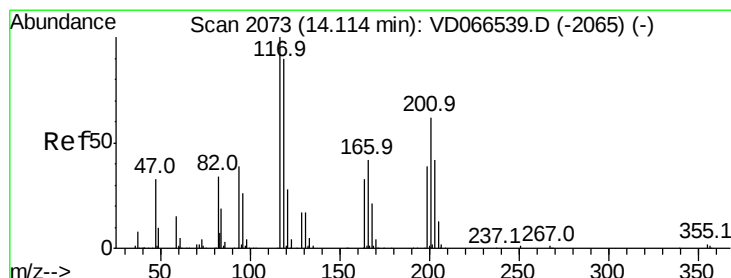
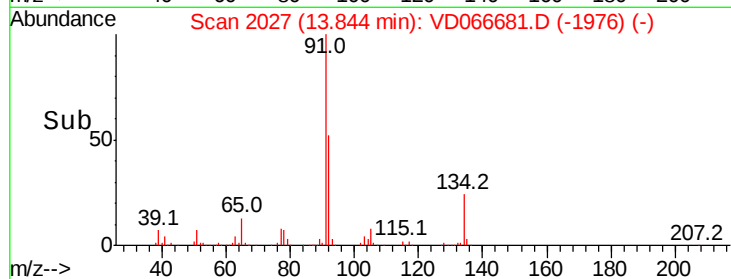
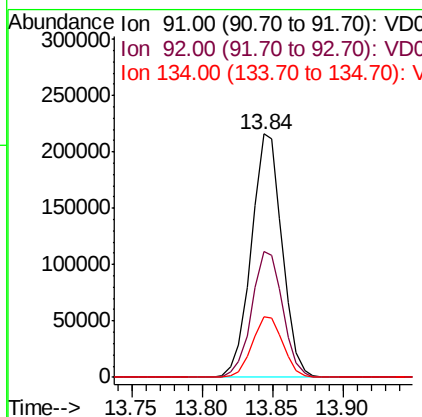
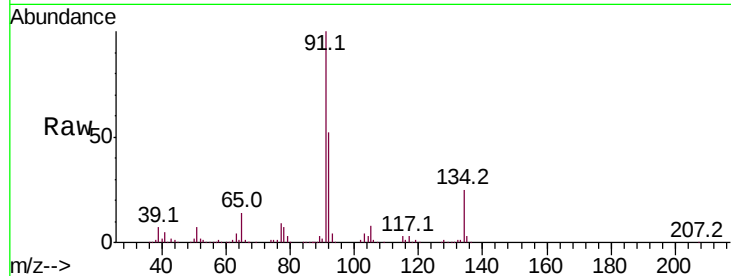




#89
n-Butylbenzene
Concen: 20.920 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. 0.00 min
Lab File: VD066681.D
Acq: 14 Sep 2020 20:36

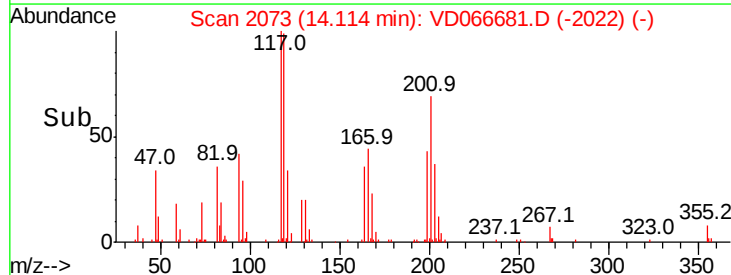
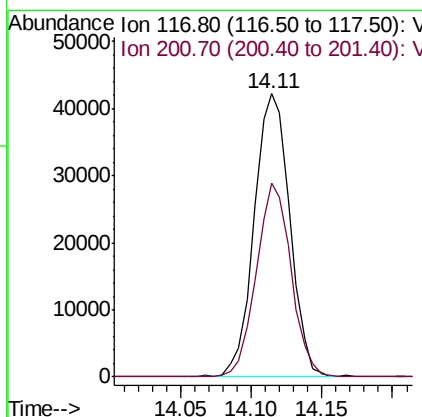
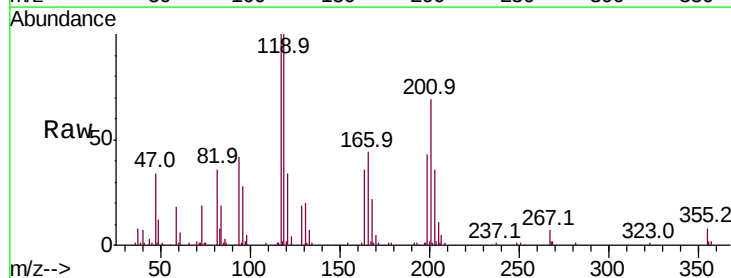
Instrument :
MSVOA_D
ClientSampleId :

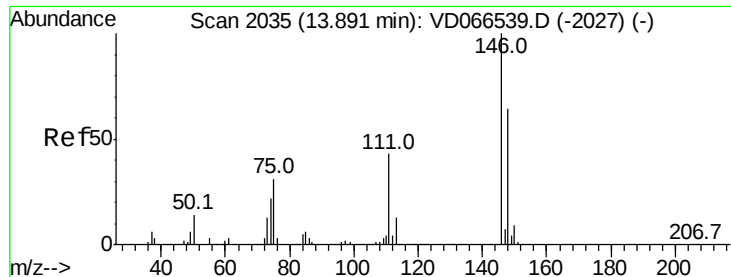
Tot Ion: 91 Resp: 331595
Ion Ratio Lower Upper
91 100
92 51.7 26.5 79.5
134 24.7 12.1 36.3



#90
Hexachloroethane
Concen: 21.356 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD066681.D
Acq: 14 Sep 2020 20:36

Tgt Ion: 117 Resp: 74845
Ion Ratio Lower Upper
117 100
201 66.9 31.9 95.5





#91

1,2-Dichlorobenzene

Concen: 21.103 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VD066681.D

Acq: 14 Sep 2020 20:36

Instrument :

MSVOA_D

ClientSampleId :

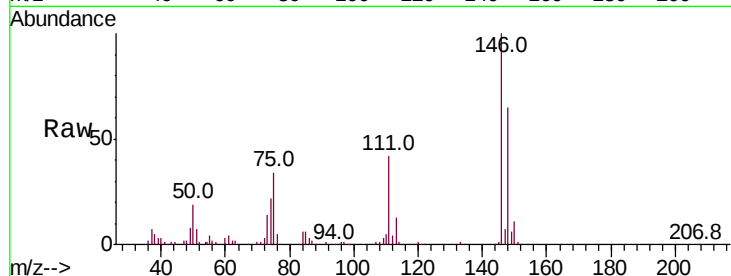
Tot Ion:146 Resp: 148989

Ion Ratio Lower Upper

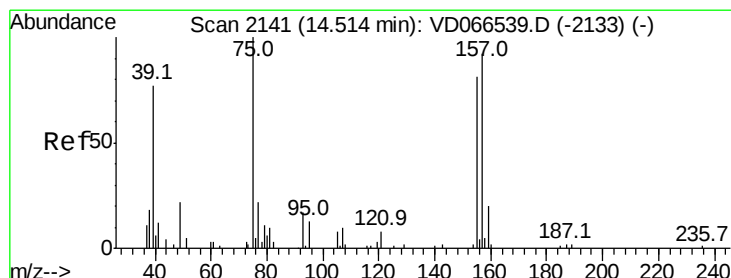
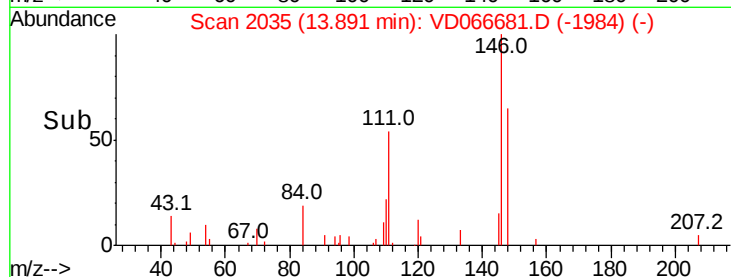
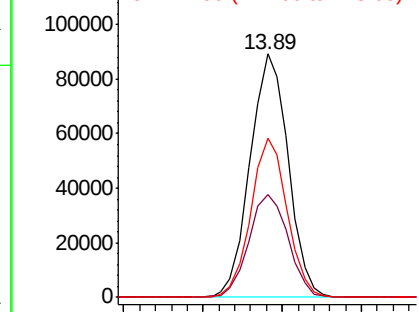
146 100

111 43.7 21.1 63.4

148 62.5 31.8 95.3



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: 20.888 ug/l

RT: 14.50 min Scan# 2139

Delta R.T. -0.01 min

Lab File: VD066681.D

Acq: 14 Sep 2020 20:36

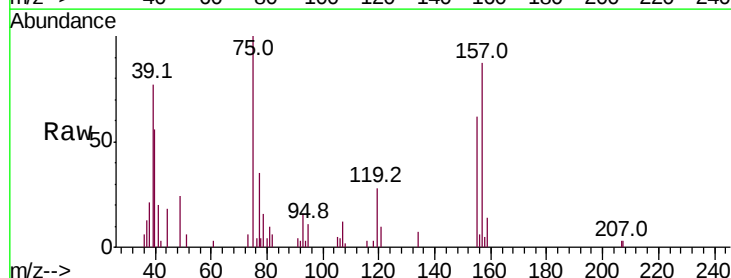
Tgt Ion: 75 Resp: 11440

Ion Ratio Lower Upper

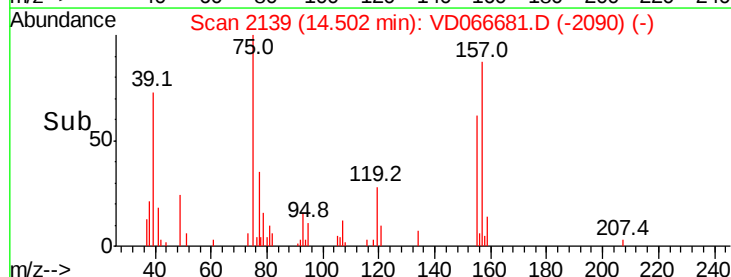
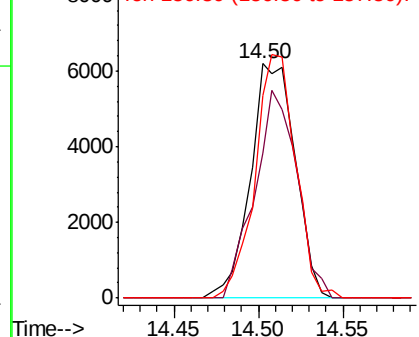
75 100

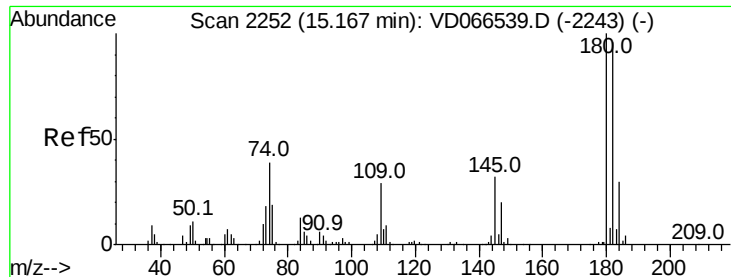
155 83.8 39.3 117.8

157 94.1 46.0 137.8



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

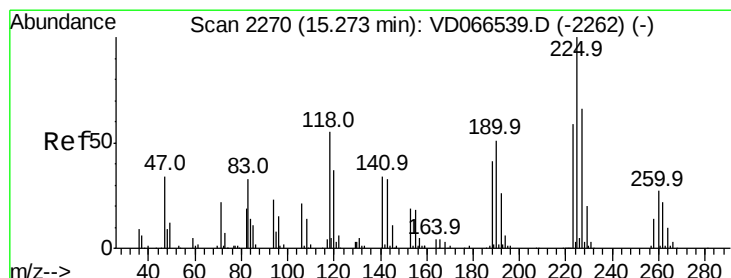
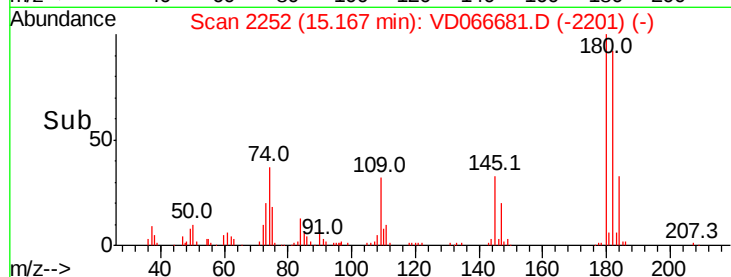
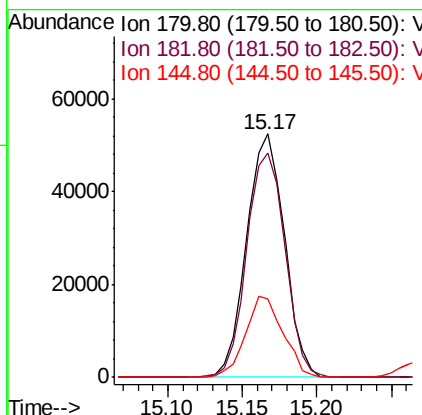
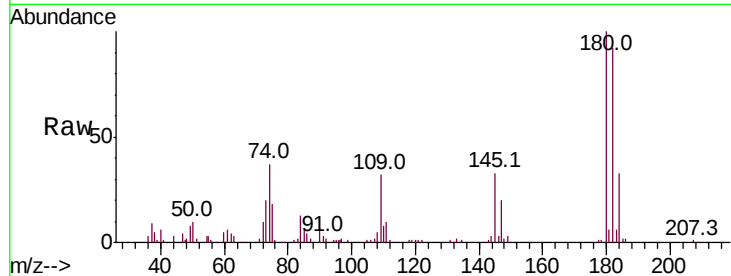




#93
 1,2,4-Trichlorobenzene
 Concen: 21.705 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD066681.D
 Acq: 14 Sep 2020 20:36

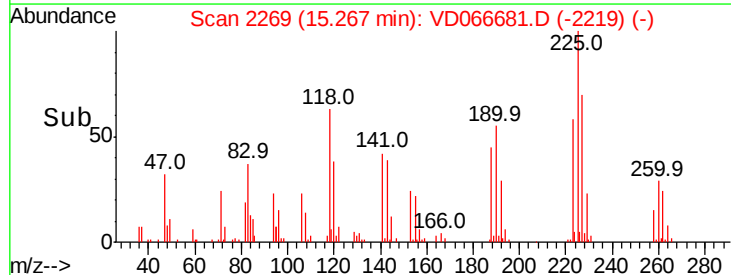
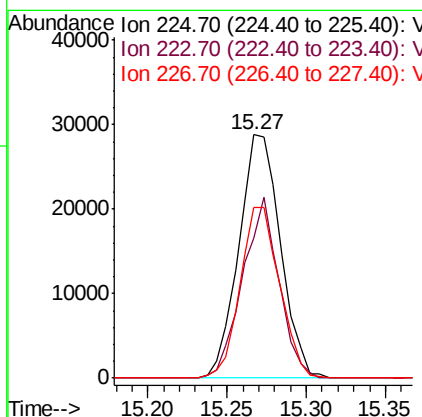
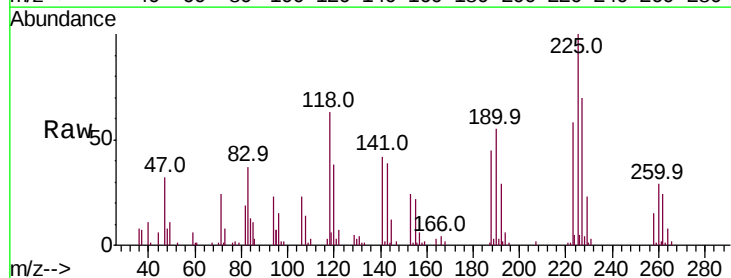
Instrument :
 MSVOA_D
 ClientSampleId :

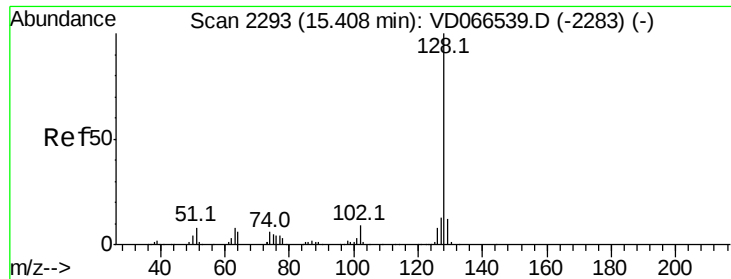
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.0	48.4	145.0
145	33.1	16.7	50.0



#94
 Hexachlorobutadiene
 Concen: 20.687 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.01 min
 Lab File: VD066681.D
 Acq: 14 Sep 2020 20:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.6	30.5	91.5
227	66.4	32.4	97.2

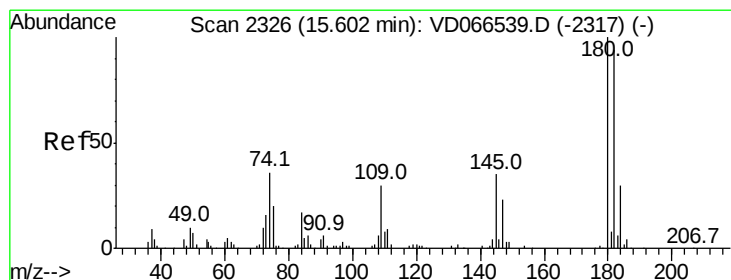
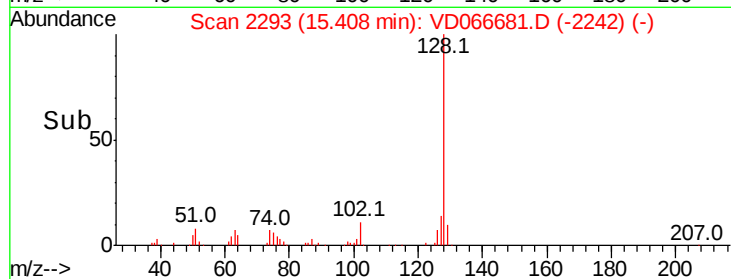
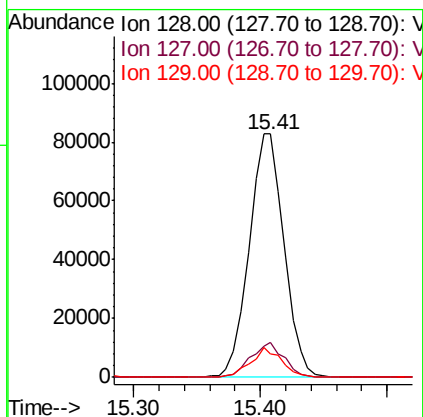
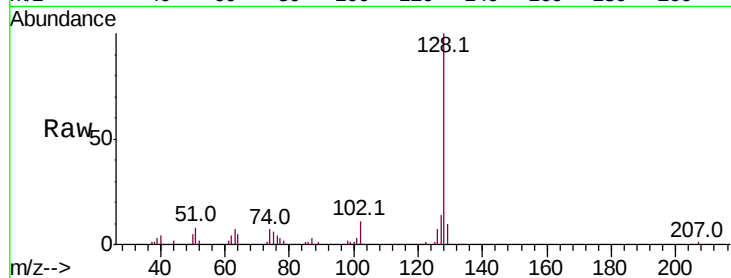




#95
Naphthalene
Concen: 21.329 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066681.D
Acq: 14 Sep 2020 20:36

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:128 Resp: 157922
Ion Ratio Lower Upper
128 100
127 13.6 10.7 16.1
129 10.8 9.1 13.7



#96
1,2,3-Trichlorobenzene
Concen: 20.869 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD066681.D
Acq: 14 Sep 2020 20:36

Tgt Ion:180 Resp: 75387
Ion Ratio Lower Upper
180 100
182 99.1 47.9 143.6
145 35.9 17.3 51.7

