

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091420\
 Data File : VD066679.D
 Acq On : 14 Sep 2020 18:48
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 15 04:04:18 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	392502	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	637195	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	574117	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	271300	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	248379	52.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.60%	
35) Dibromofluoromethane	7.91	113	226924	52.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.58%	
50) Toluene-d8	10.34	98	811146	52.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.60%	
62) 4-Bromofluorobenzene	12.63	95	280440	55.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.98	85	172778	53.591	ug/l	88
3) Chloromethane	2.21	50	237291	47.805	ug/l	98
4) Vinyl Chloride	2.35	62	269286	48.913	ug/l	99
5) Bromomethane	2.77	94	187204	54.165	ug/l	82
6) Chloroethane	2.92	64	173181	49.525	ug/l	96
7) Trichlorofluoromethane	3.27	101	411098	50.547	ug/l	94
8) Diethyl Ether	3.71	74	106021	51.768	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	225032	51.125	ug/l	98
10) Methyl Iodide	4.30	142	214056	53.048	ug/l	99
11) Tert butyl alcohol	5.22	59	80331	274.981	ug/l	98
12) 1,1-Dichloroethene	4.07	96	203426	51.442	ug/l	95
13) Acrolein	3.92	56	46438	239.155	ug/l	98
14) Allyl chloride	4.71	41	349255	53.890	ug/l	98
15) Acrylonitrile	5.42	53	241000	273.936	ug/l	100
16) Acetone	4.16	43	217605	249.038	ug/l	95
17) Carbon Disulfide	4.41	76	622648	47.896	ug/l	98
18) Methyl Acetate	4.72	43	113282	54.386	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	533233	57.501	ug/l	97
20) Methylene Chloride	4.97	84	276975	59.410	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	245734	52.329	ug/l	98
22) Diisopropyl ether	6.36	45	736323	55.248	ug/l	97
23) Vinyl Acetate	6.30	43	2149344	283.395	ug/l	98
24) 1,1-Dichloroethane	6.27	63	446008	53.216	ug/l	99
25) 2-Butanone	7.21	43	315577	269.044	ug/l	95
26) 2,2-Dichloropropane	7.20	77	409742	53.298	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	275358	54.528	ug/l	99
28) Bromochloromethane	7.54	49	169106	52.409	ug/l	98
29) Tetrahydrofuran	7.56	42	202257	276.872	ug/l	99
30) Chloroform	7.71	83	475950	53.679	ug/l	97
31) Cyclohexane	7.98	56	377202	48.688	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	441152	52.919	ug/l	99
36) 1,1-Dichloropropene	8.11	75	358329	54.036	ug/l	99
37) Ethyl Acetate	7.28	43	148358	56.184	ug/l	96
38) Carbon Tetrachloride	8.09	117	391381	55.838	ug/l	97

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 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	406597	54.910	ug/l	99
40) Benzene	8.34	78	961621	52.948	ug/l	99
41) Methacrylonitrile	7.56	41	205084	160.450	ug/l #	19
42) 1,2-Dichloroethane	8.42	62	316621	53.806	ug/l	99
43) Isopropyl Acetate	8.45	43	291189	57.544	ug/l	99
44) Trichloroethene	9.11	130	258126	54.183	ug/l	94
45) 1,2-Dichloropropane	9.38	63	246190	53.903	ug/l	95
46) Dibromomethane	9.47	93	135238	53.670	ug/l	97
47) Bromodichloromethane	9.66	83	377305	55.344	ug/l	97
48) Methyl methacrylate	9.45	41	143327	56.014	ug/l	97
49) 1,4-Dioxane	9.46	88	29713	1074.826	ug/l #	96
51) 4-Methyl-2-Pentanone	10.23	43	737283	288.897	ug/l	97
52) Toluene	10.40	92	621125	54.028	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	341296	56.710	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	400749	55.450	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	179146	55.294	ug/l	98
56) Ethyl methacrylate	10.66	69	217790	57.734	ug/l #	93
57) 1,3-Dichloropropane	10.94	76	308545	54.370	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	449141	260.306	ug/l	97
59) 2-Hexanone	10.98	43	494943	288.393	ug/l	99
60) Dibromochloromethane	11.14	129	240277	56.083	ug/l	98
61) 1,2-Dibromoethane	11.24	107	172633	54.769	ug/l	98
64) Tetrachloroethene	10.87	164	205909	53.268	ug/l	95
65) Chlorobenzene	11.67	112	638703	53.902	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	249470	55.164	ug/l	98
67) Ethyl Benzene	11.74	91	1204706	55.370	ug/l	98
68) m/p-Xylenes	11.85	106	902919	111.765	ug/l	96
69) o-Xylene	12.18	106	409349	56.539	ug/l	98
70) Styrene	12.20	104	717897	57.035	ug/l	97
71) Bromoform	12.36	173	127658	56.012	ug/l #	99
73) Isopropylbenzene	12.48	105	1163507	57.924	ug/l	100
74) N-amyl acetate	12.29	43	261973	57.584	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	192644	54.286	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	262266	100.517	ug/l #	100
77) Bromobenzene	12.76	156	252299	56.339	ug/l	100
78) n-propylbenzene	12.82	91	1394067	57.251	ug/l	100
79) 2-Chlorotoluene	12.91	91	785066	57.470	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	984871	58.254	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	62378	55.815	ug/l	100
82) 4-Chlorotoluene	13.01	91	820143	56.143	ug/l	100
83) tert-Butylbenzene	13.23	119	821960	59.537	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	982035	58.342	ug/l	97
85) sec-Butylbenzene	13.40	105	1168187	58.730	ug/l	99
86) p-Isopropyltoluene	13.52	119	1064135	59.439	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	497185	55.924	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	486590	54.530	ug/l	99
89) n-Butylbenzene	13.85	91	1002930	57.487	ug/l	100
90) Hexachloroethane	14.11	117	208141	53.957	ug/l	95
91) 1,2-Dichlorobenzene	13.89	146	424452	54.621	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	32935	54.635	ug/l	95

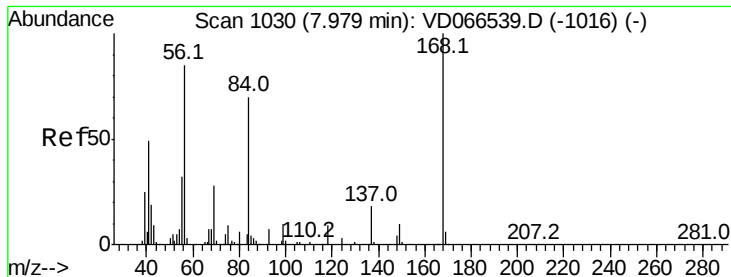
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091420\
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	270344	57.968	ug/l	98
94) Hexachlorobutadiene	15.27	225	157758	56.306	ug/l	98
95) Naphthalene	15.41	128	508899	62.446	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	235220	59.159	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066679.D

Acq: 14 Sep 2020 18:48

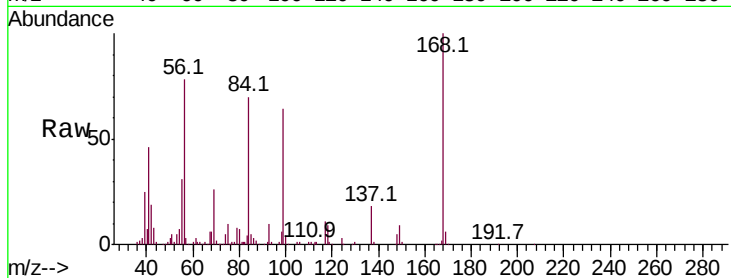
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 392502

Ion Ratio Lower Upper

168 100

99 63.8 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

200000

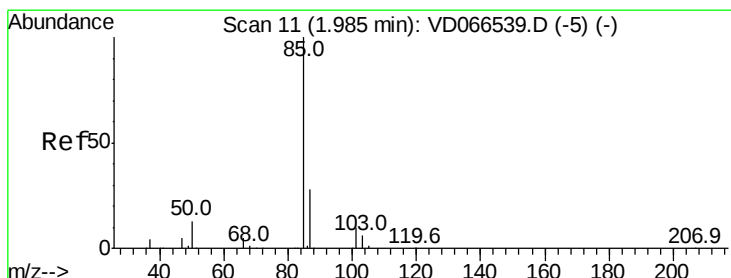
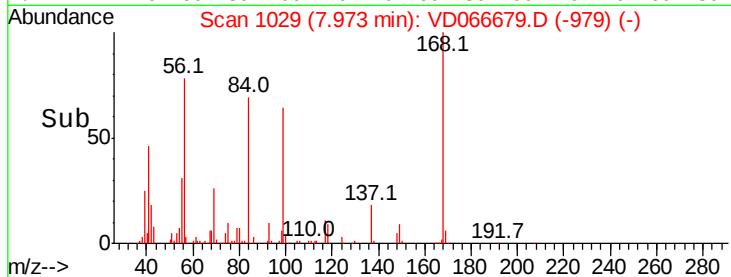
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 53.591 ug/l

RT: 1.98 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD066679.D

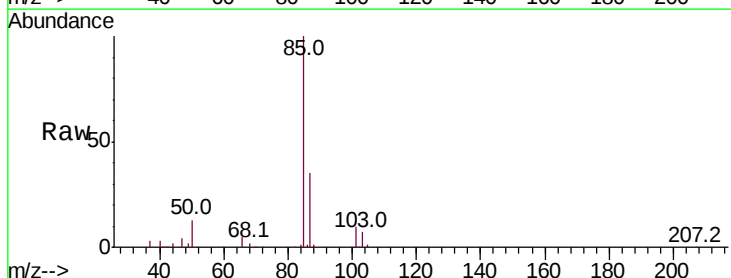
Acq: 14 Sep 2020 18:48

Tgt Ion: 85 Resp: 172778

Ion Ratio Lower Upper

85 100

87 34.8 14.2 42.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

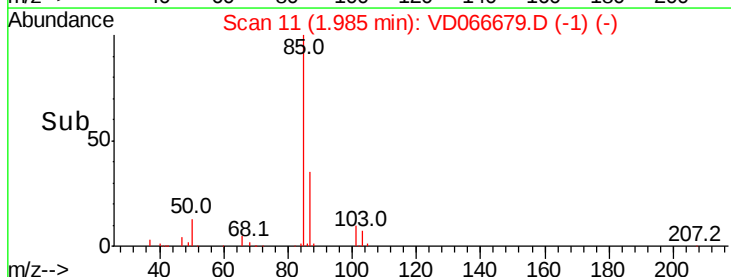
1.98

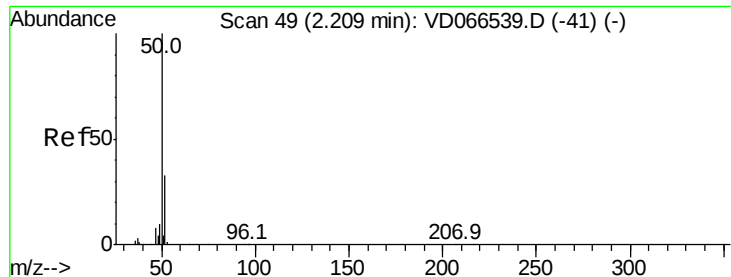
100000

50000

0

Time-->





#3

Chloromethane

Concen: 47.805 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD066679.D

Acq: 14 Sep 2020 18:48

Instrument :

MSVOA_D

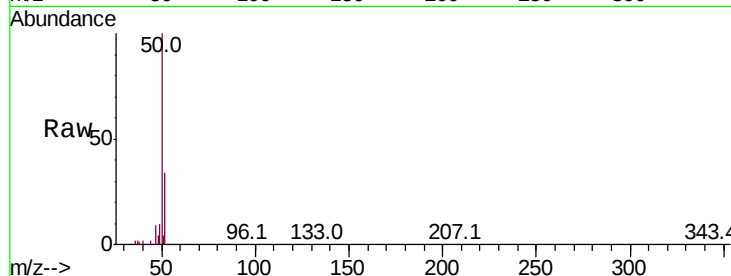
ClientSampleId :

Tot Ion: 50 Resp: 237291

Ion Ratio Lower Upper

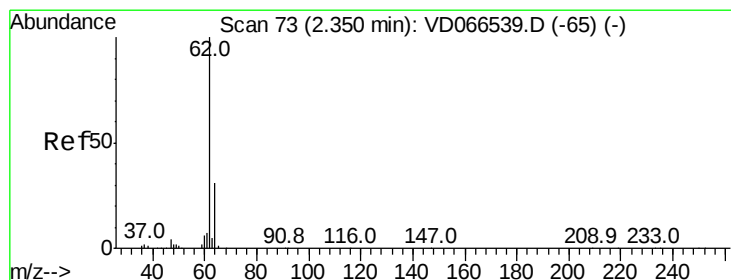
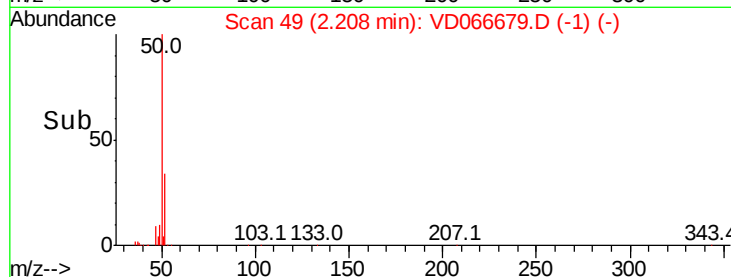
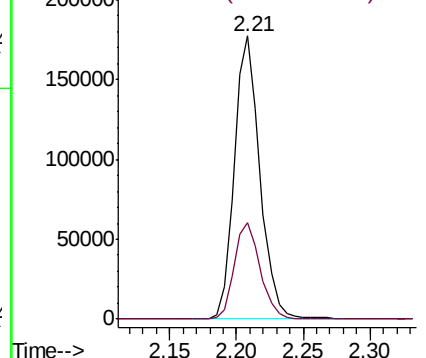
50 100

52 33.9 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 48.913 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066679.D

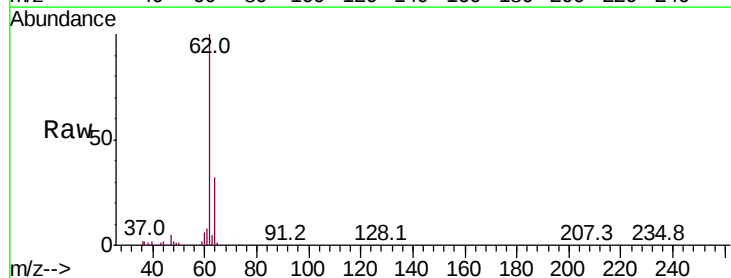
Acq: 14 Sep 2020 18:48

Tgt Ion: 62 Resp: 269286

Ion Ratio Lower Upper

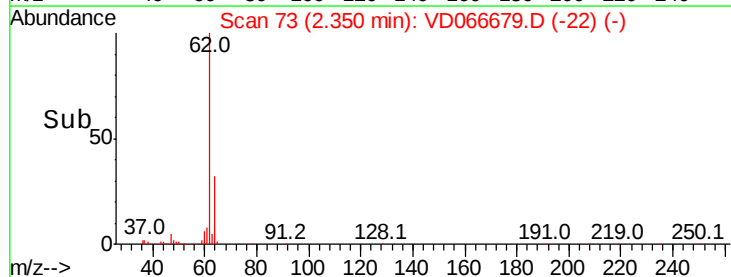
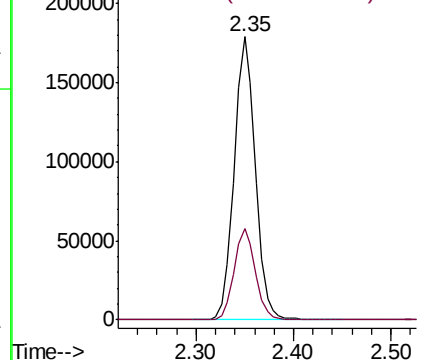
62 100

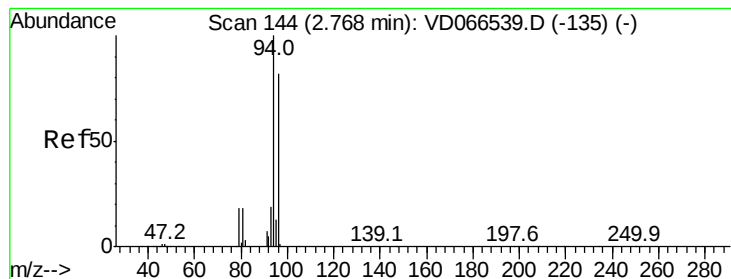
64 32.2 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 54.165 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD066679.D

Acq: 14 Sep 2020 18:48

Instrument :

MSVOA_D

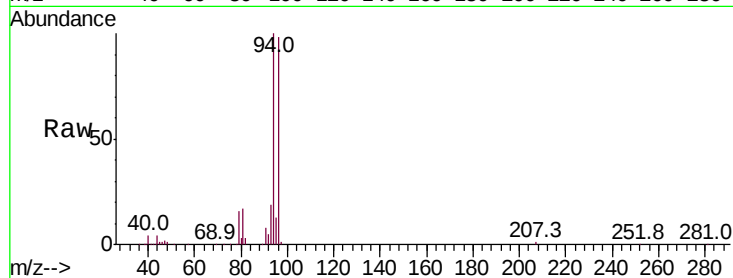
ClientSampleId :

Tot Ion: 94 Resp: 187204

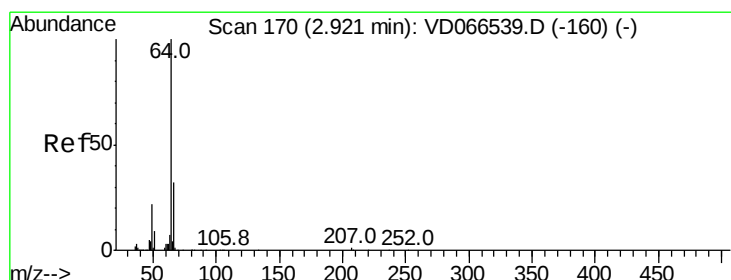
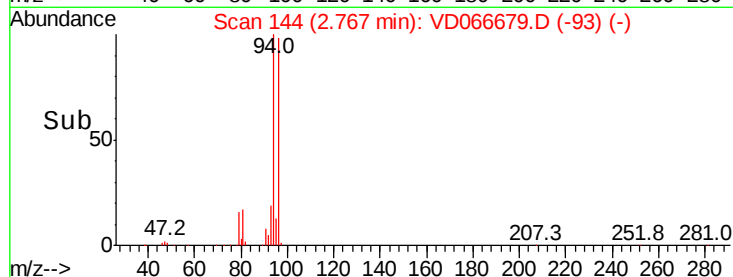
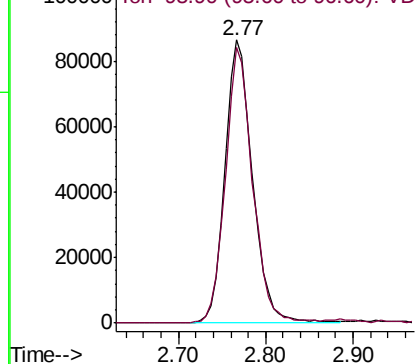
Ion Ratio Lower Upper

94 100

96 97.2 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: 49.525 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD066679.D

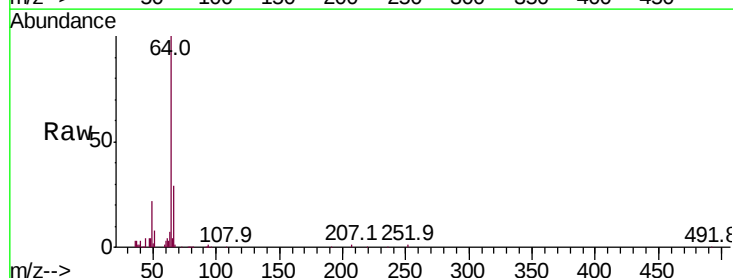
Acq: 14 Sep 2020 18:48

Tgt Ion: 64 Resp: 173181

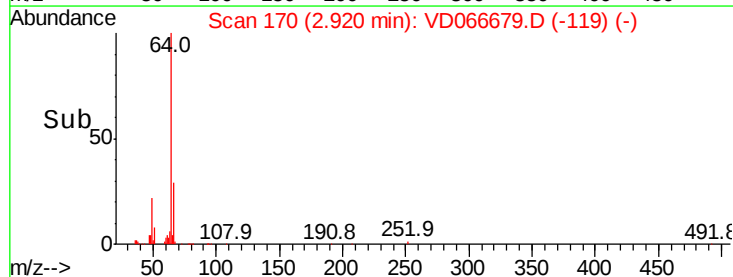
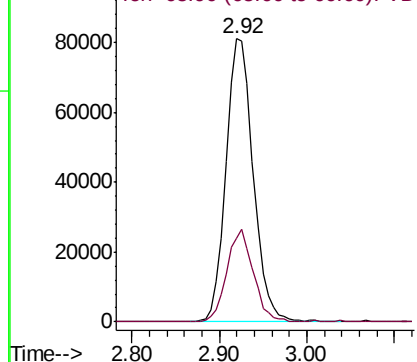
Ion Ratio Lower Upper

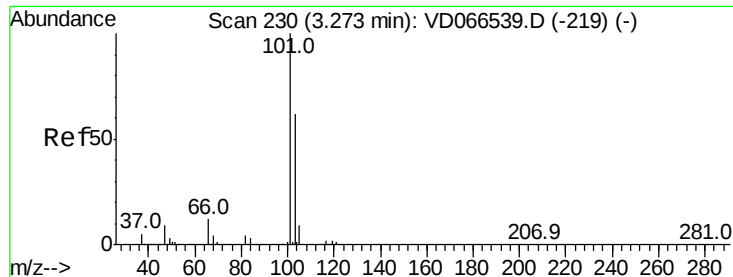
64 100

66 29.5 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VDC
Ion 65.90 (65.60 to 66.60): VDC



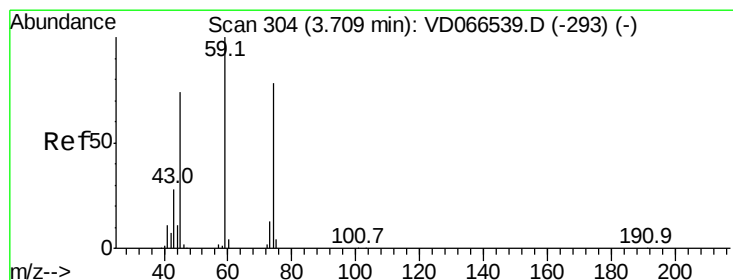
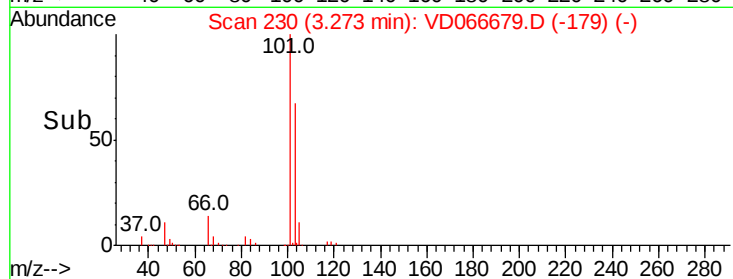
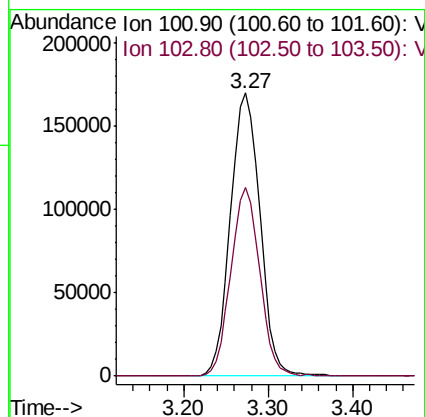
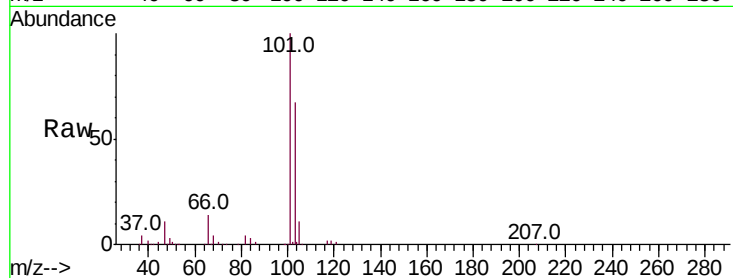


#7

Trichlorofluoromethane
 Concen: 50.547 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD066679.D
 Acq: 14 Sep 2020 18:48

Instrument :
 MSVOA_D
 ClientSampleId :

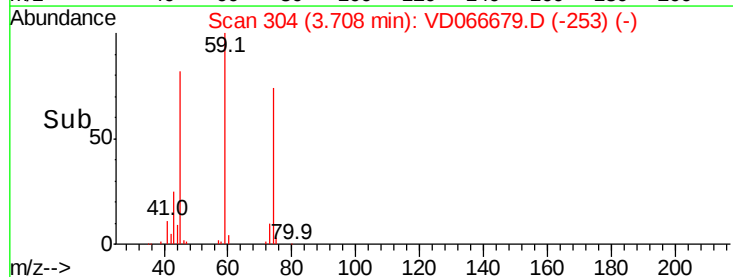
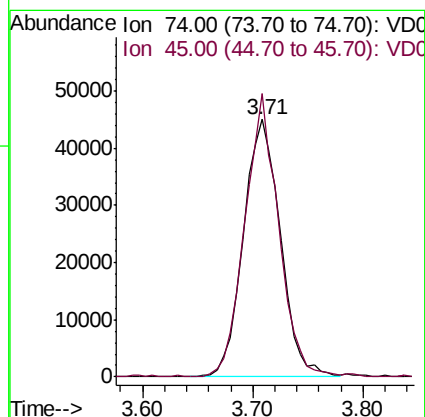
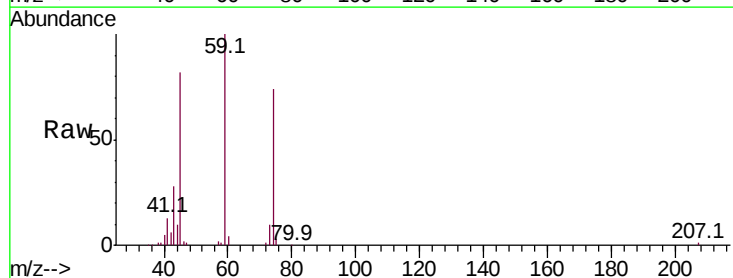
Tot Ion:101 Resp: 411098
 Ion Ratio Lower Upper
 101 100
 103 66.7 49.7 74.5

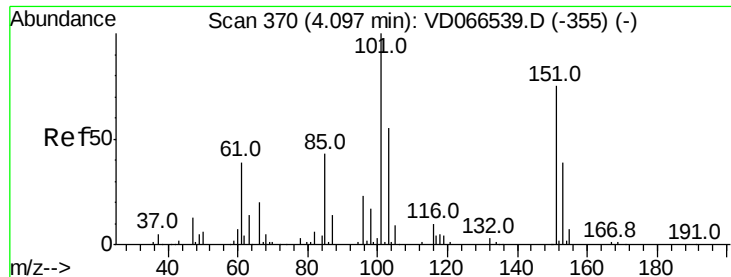


#8

Diethyl Ether
 Concen: 51.768 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD066679.D
 Acq: 14 Sep 2020 18:48

Tgt Ion: 74 Resp: 106021
 Ion Ratio Lower Upper
 74 100
 45 101.2 49.7 149.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.125 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD066679.D

Acq: 14 Sep 2020 18:48

Instrument :

MSVOA_D

ClientSampleId :

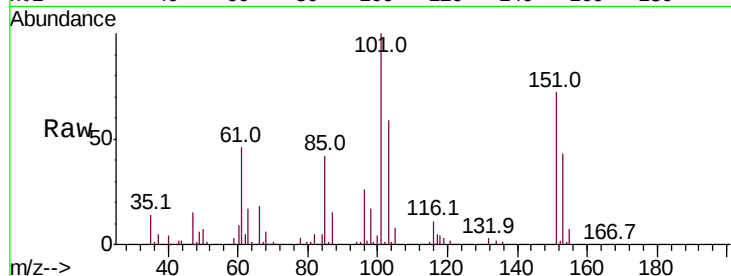
Tot Ion:101 Resp: 225032

Ion Ratio Lower Upper

101 100

85 46.7 37.0 55.6

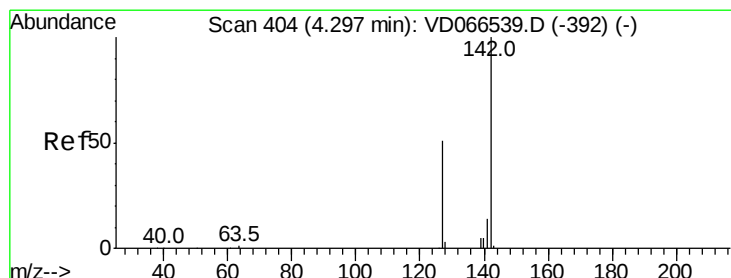
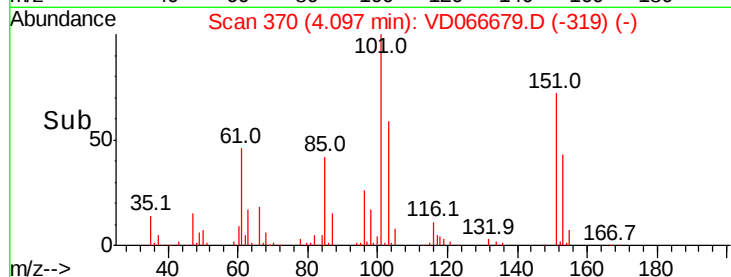
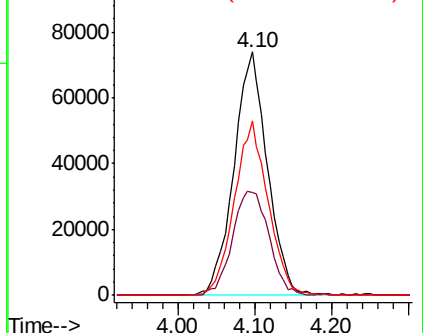
151 72.2 59.4 89.2



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: 53.048 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD066679.D

Acq: 14 Sep 2020 18:48

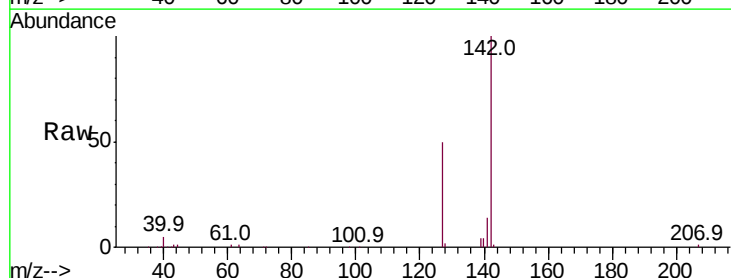
Tgt Ion:142 Resp: 214056

Ion Ratio Lower Upper

142 100

127 51.5 40.6 61.0

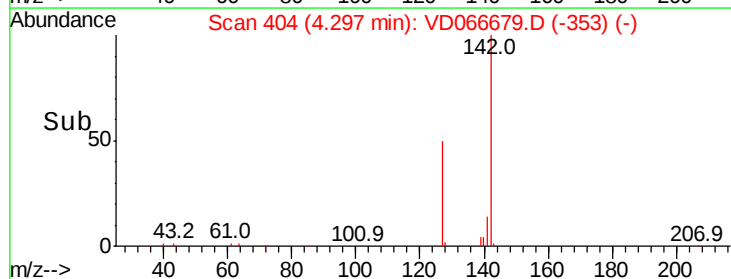
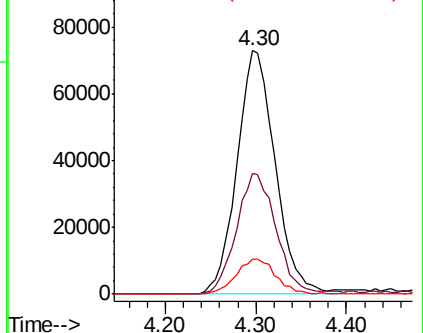
141 15.0 12.2 18.4

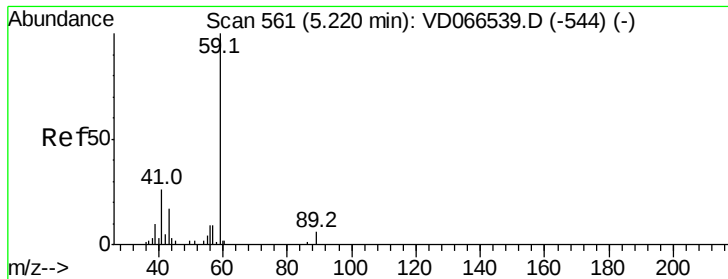


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



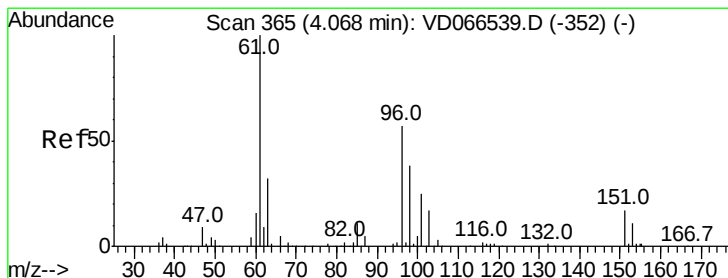
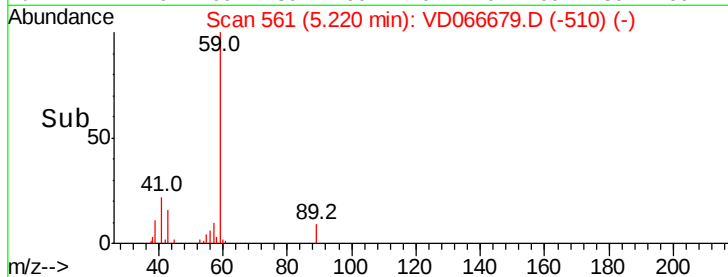
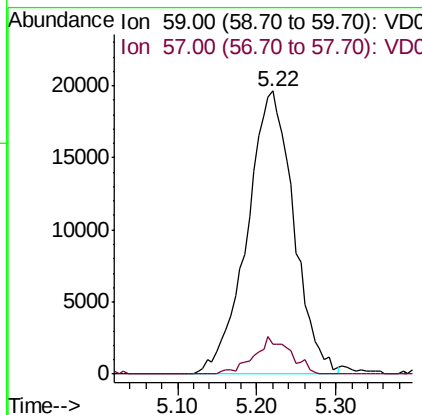
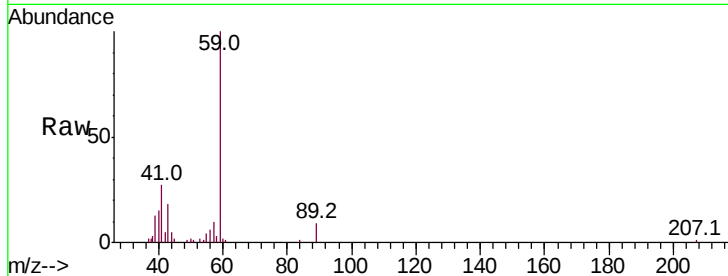


#11

Tert butyl alcohol
Concen: 274.981 ug/l
RT: 5.22 min Scan# 561
Delta R.T. 0.00 min
Lab File: VD066679.D
Acq: 14 Sep 2020 18:48

Instrument :
MSVOA_D
ClientSampleId :

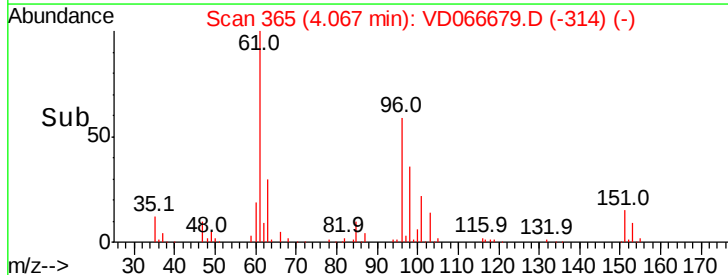
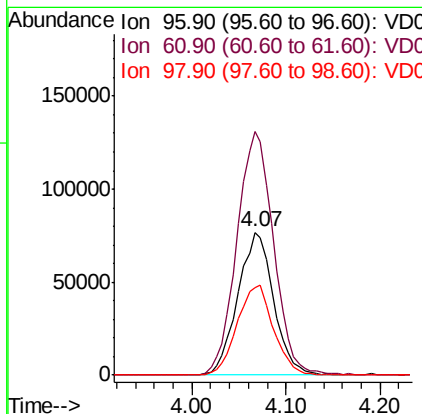
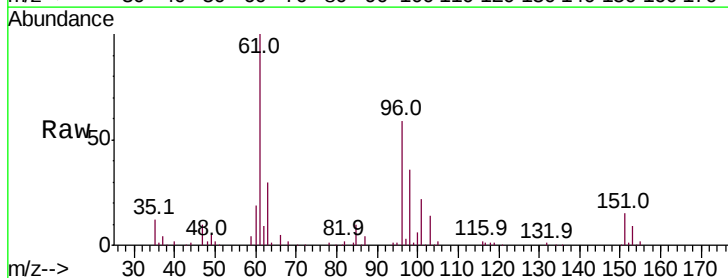
Tot Ion: 59 Resp: 80331
Ion Ratio Lower Upper
59 100
57 10.3 7.6 11.4

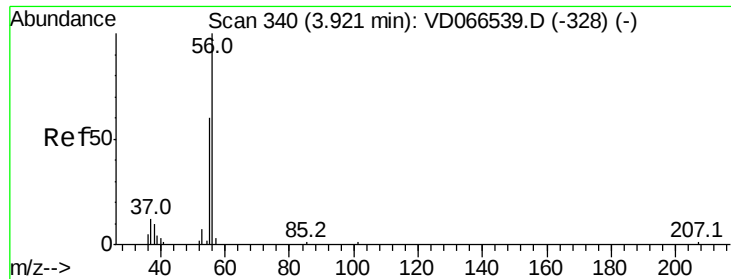


#12

1,1-Dichloroethene
Concen: 51.442 ug/l
RT: 4.07 min Scan# 365
Delta R.T. -0.00 min
Lab File: VD066679.D
Acq: 14 Sep 2020 18:48

Tgt Ion: 96 Resp: 203426
Ion Ratio Lower Upper
96 100
61 170.4 140.9 211.3
98 61.2 53.2 79.8





#13

Acrolein

Concen: 239.155 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.00 min

Lab File: VD066679.D

Acq: 14 Sep 2020 18:48

Instrument :

MSVOA_D

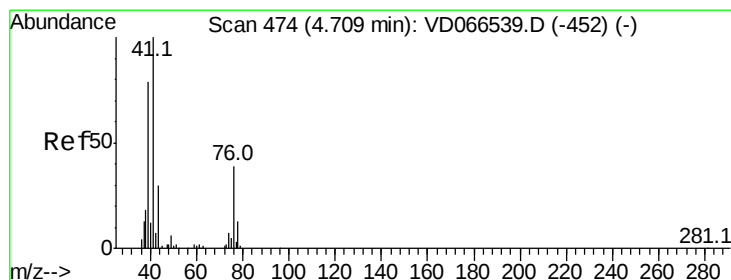
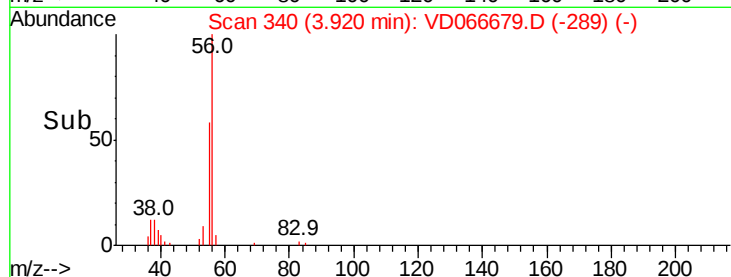
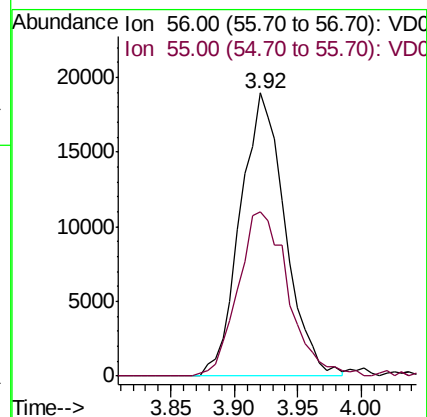
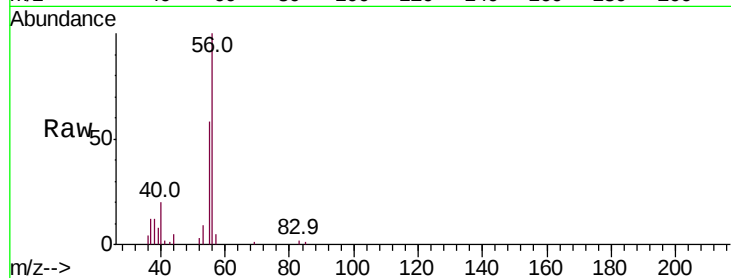
ClientSampleId :

Tot Ion: 56 Resp: 46438

Ion Ratio Lower Upper

56 100

55 65.1 53.6 80.4



#14

Allyl chloride

Concen: 53.890 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD066679.D

Acq: 14 Sep 2020 18:48

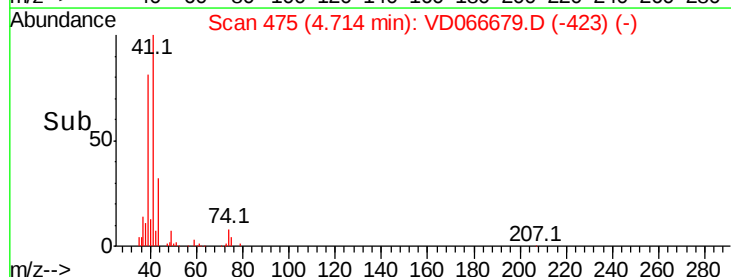
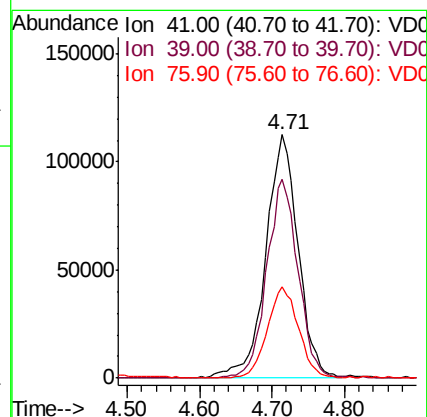
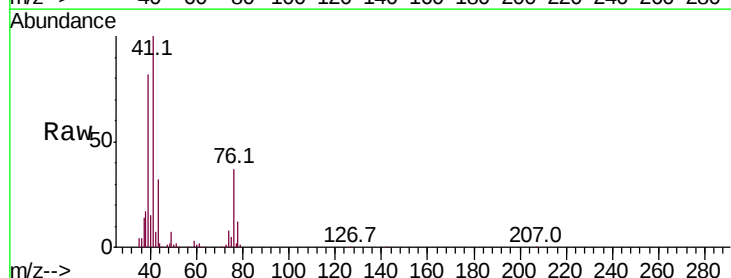
Tgt Ion: 41 Resp: 349255

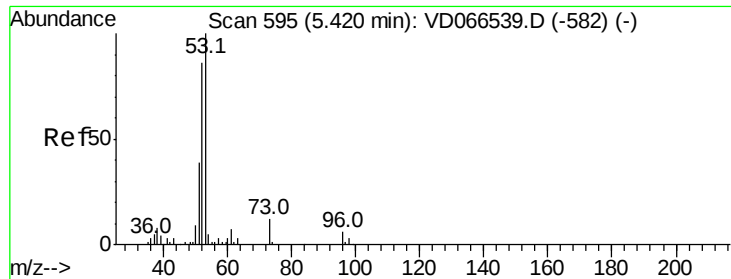
Ion Ratio Lower Upper

41 100

39 79.4 61.9 92.9

76 35.7 29.0 43.6





#15

Acrylonitrile

Concen: 273.936 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.00 min

Lab File: VD066679.D

Acq: 14 Sep 2020 18:48

Instrument :

MSVOA_D

ClientSampleId :

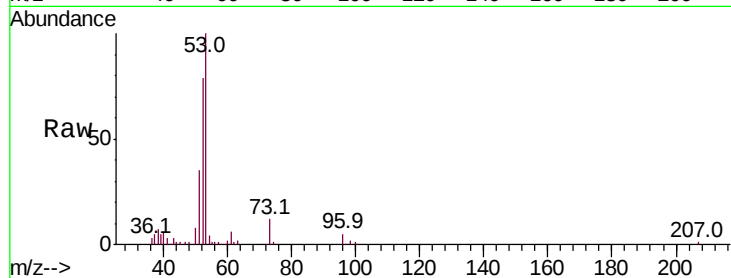
Tot Ion: 53 Resp: 241000

Ion Ratio Lower Upper

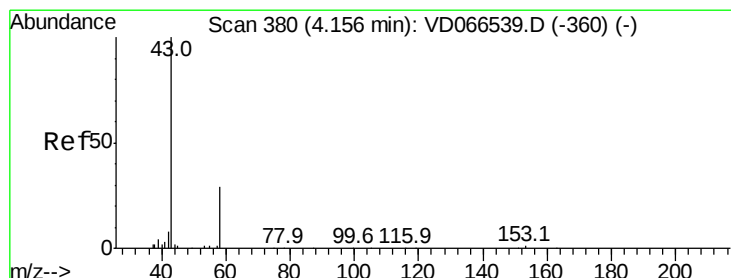
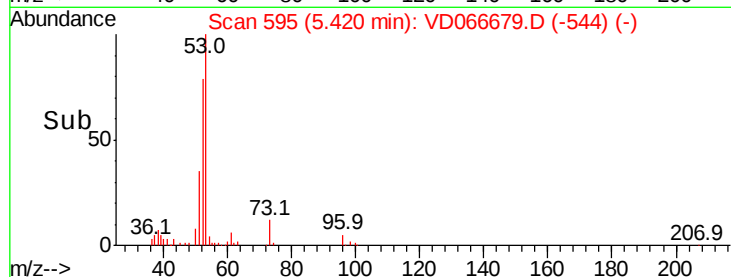
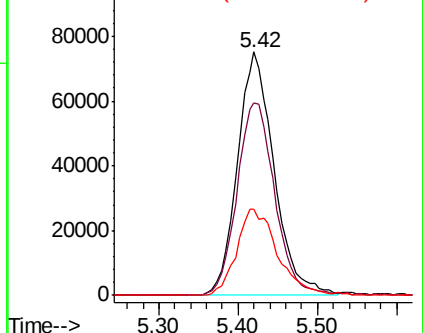
53 100

52 81.3 65.4 98.2

51 39.2 31.2 46.8



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



#16

Acetone

Concen: 249.038 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD066679.D

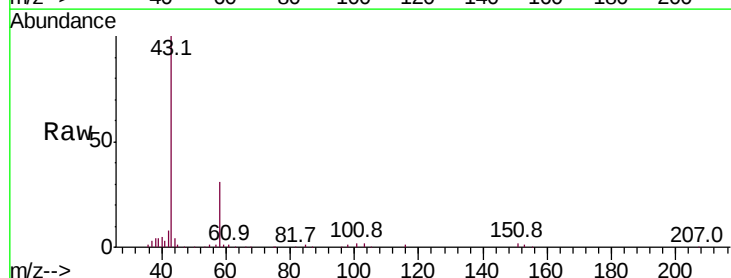
Acq: 14 Sep 2020 18:48

Tgt Ion: 43 Resp: 217605

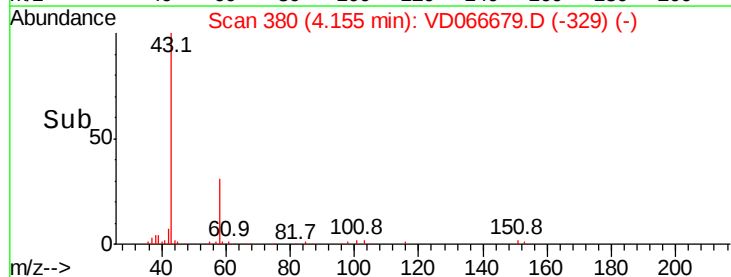
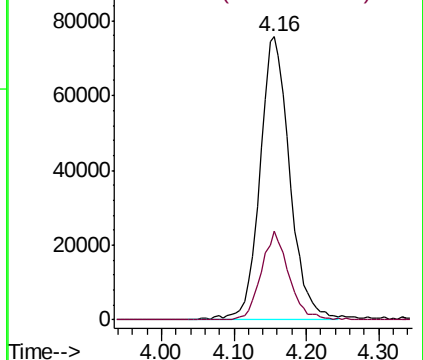
Ion Ratio Lower Upper

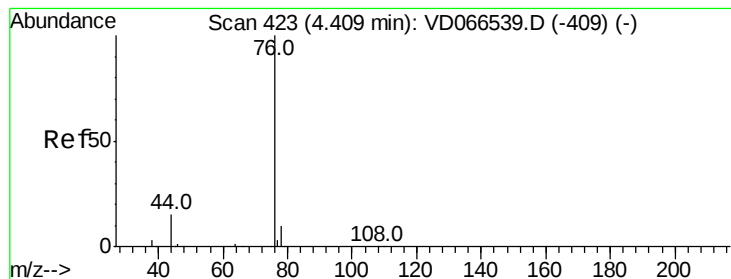
43 100

58 31.2 22.9 34.3



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





#17

Carbon Disulfide

Concen: 47.896 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD066679.D

Acq: 14 Sep 2020 18:48

Instrument :

MSVOA_D

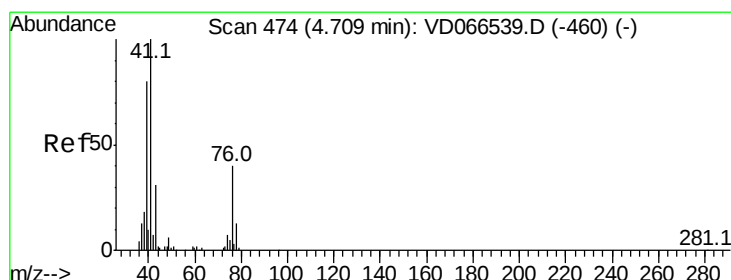
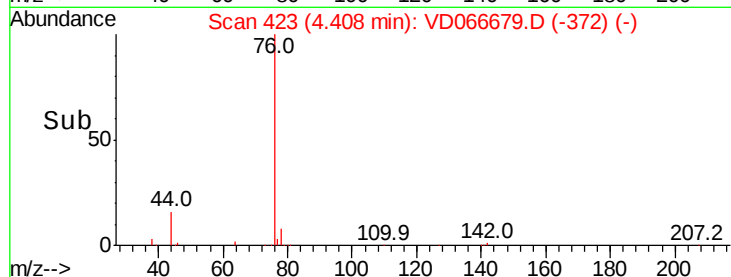
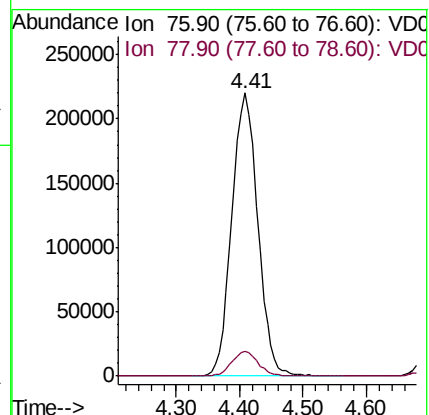
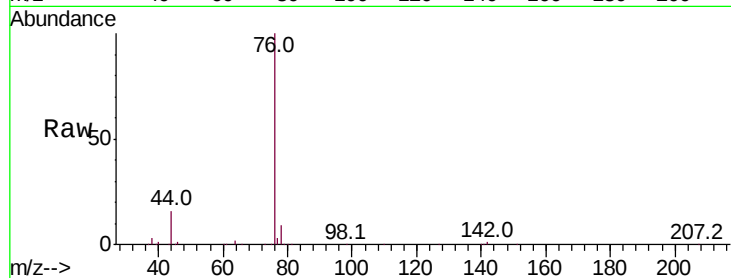
ClientSampleId :

Tot Ion: 76 Resp: 622648

Ion Ratio Lower Upper

76 100

78 8.6 7.6 11.4



#18

Methyl Acetate

Concen: 54.386 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD066679.D

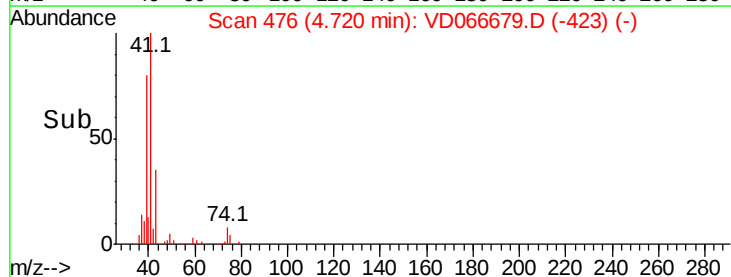
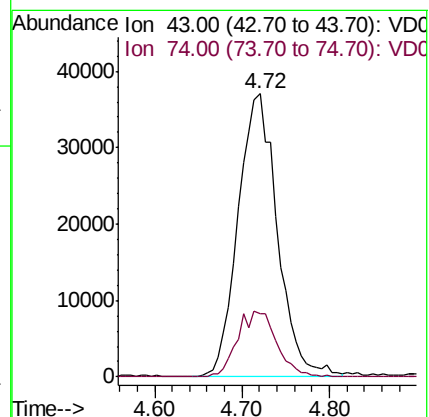
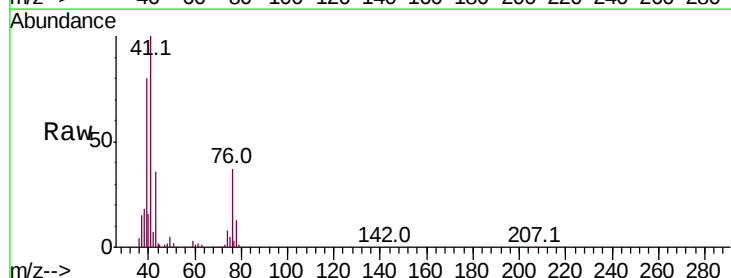
Acq: 14 Sep 2020 18:48

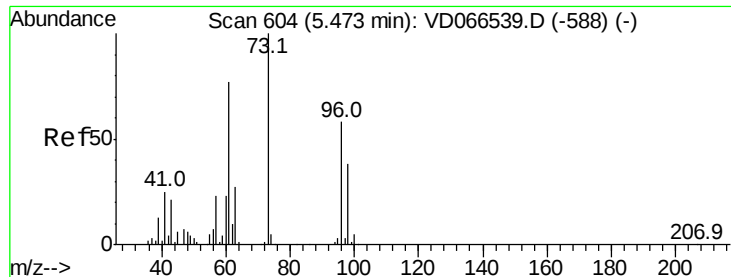
Tgt Ion: 43 Resp: 113282

Ion Ratio Lower Upper

43 100

74 23.1 18.0 27.0

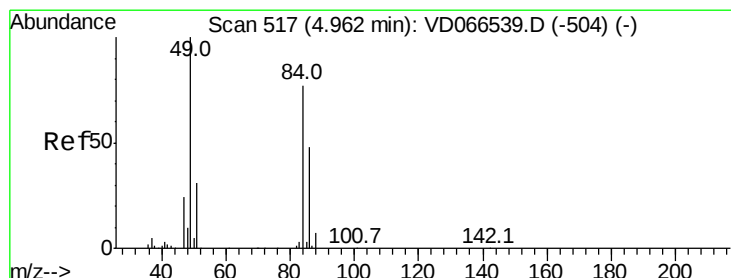
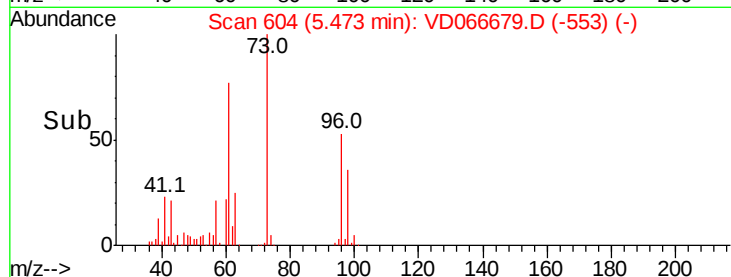
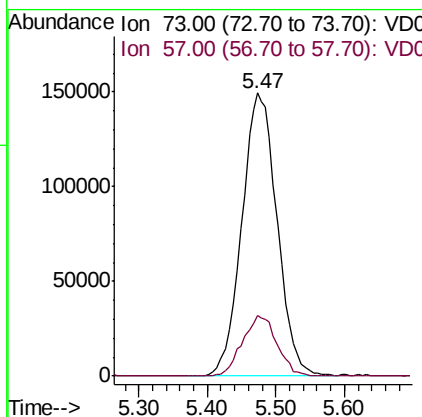
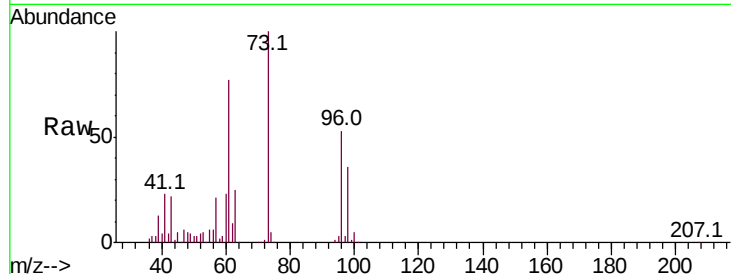




#19
Methvl tert-butvl Ether
Concen: 57.501 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.00 min
Lab File: VD066679.D
Acq: 14 Sep 2020 18:48

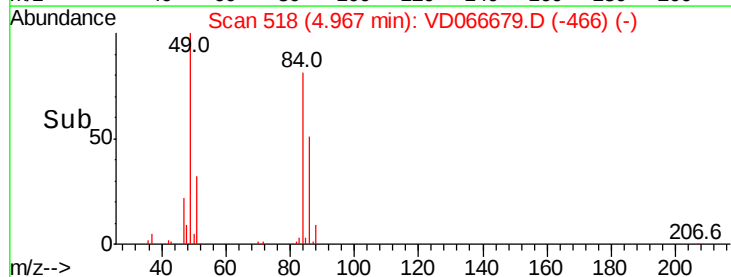
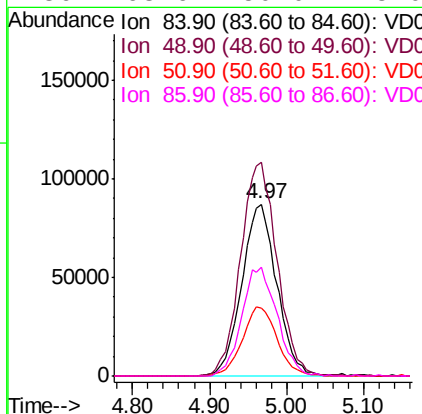
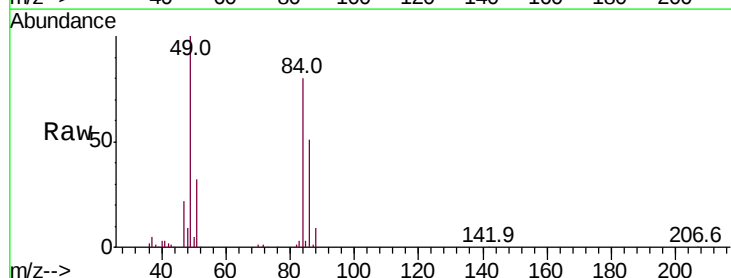
Instrument :
MSVOA_D
ClientSampleId :

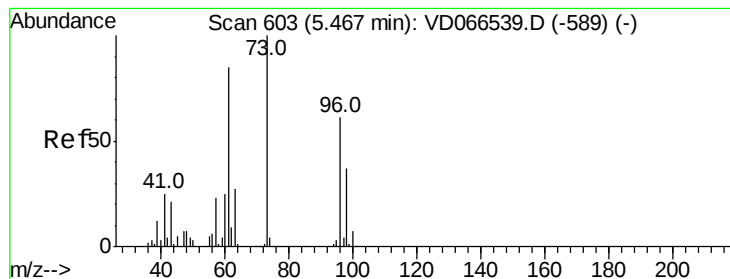
Tot Ion: 73 Resp: 533233
Ion Ratio Lower Upper
73 100
57 21.4 18.3 27.5



#20
Methylene Chloride
Concen: 59.410 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD066679.D
Acq: 14 Sep 2020 18:48

Tgt Ion: 84 Resp: 276975
Ion Ratio Lower Upper
84 100
49 124.3 104.3 156.5
51 39.6 32.2 48.4
86 63.6 50.0 75.0





#21

trans-1,2-Dichloroethene

Concen: 52.329 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD066679.D

Acq: 14 Sep 2020 18:48

Instrument :

MSVOA_D

ClientSampleId :

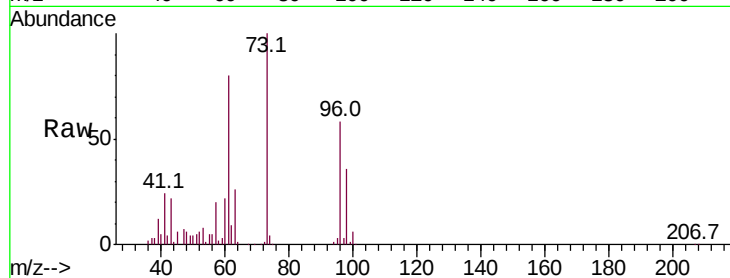
Tot Ion: 96 Resp: 245734

Ion Ratio Lower Upper

96 100

61 136.5 112.1 168.1

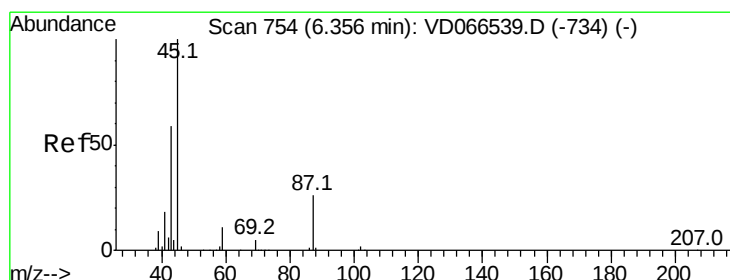
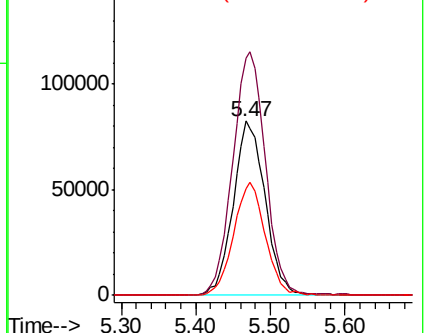
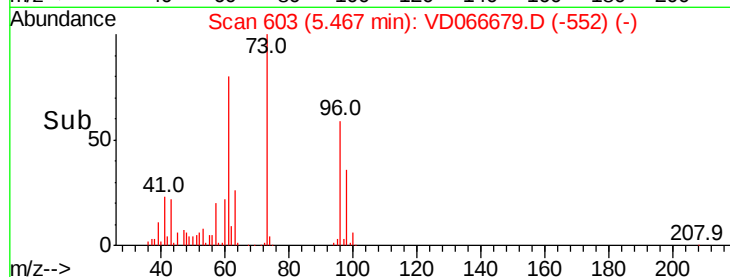
98 61.5 48.6 72.8



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



#22

Diisopropyl ether

Concen: 55.248 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.01 min

Lab File: VD066679.D

Acq: 14 Sep 2020 18:48

Tgt Ion: 45 Resp: 736323

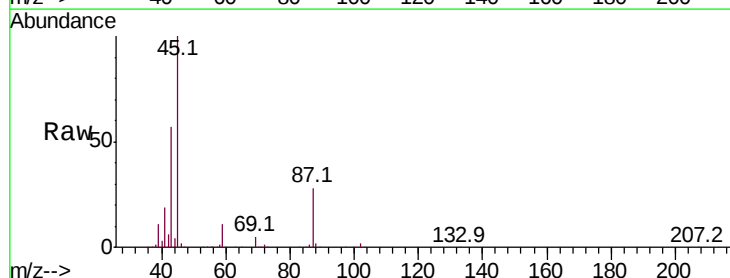
Ion Ratio Lower Upper

45 100

43 55.9 47.0 70.4

87 27.9 21.3 31.9

59 11.4 8.7 13.1

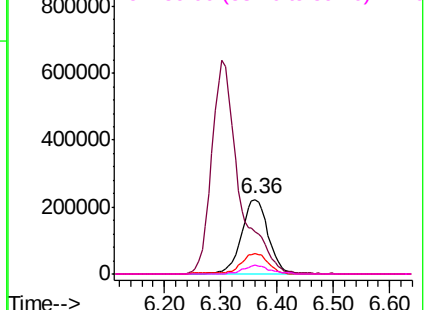
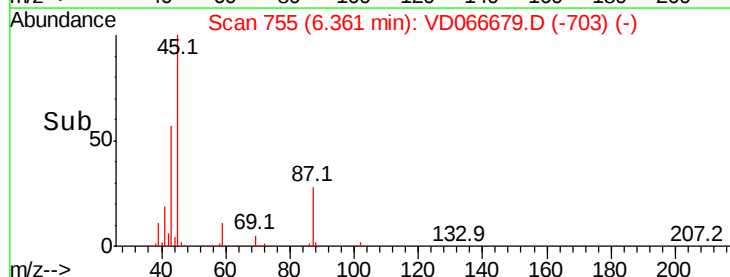


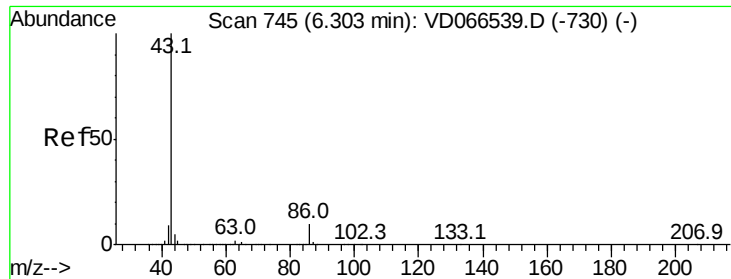
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC

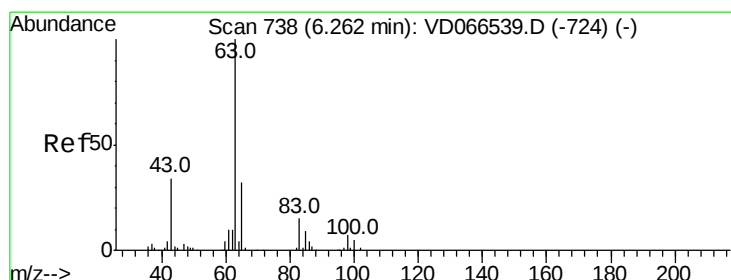
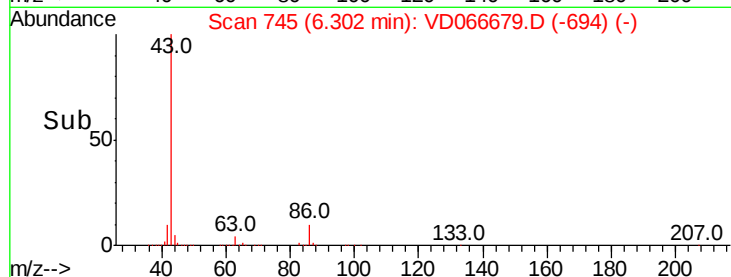
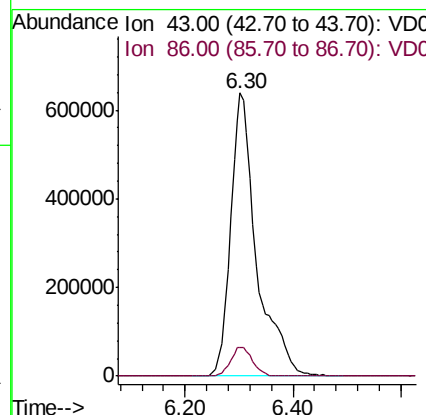
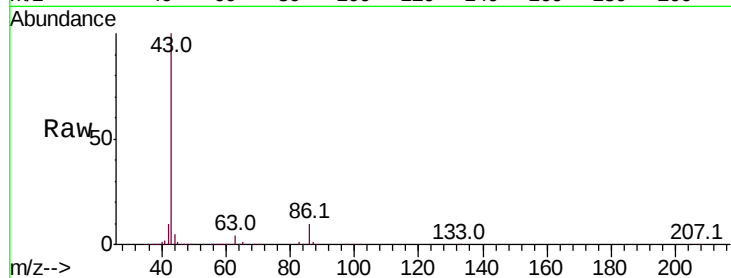




#23
 Vinyl Acetate
 Concen: 283.395 ug/l
 RT: 6.30 min Scan# 745
 Delta R.T. -0.00 min
 Lab File: VD066679.D
 Acq: 14 Sep 2020 18:48

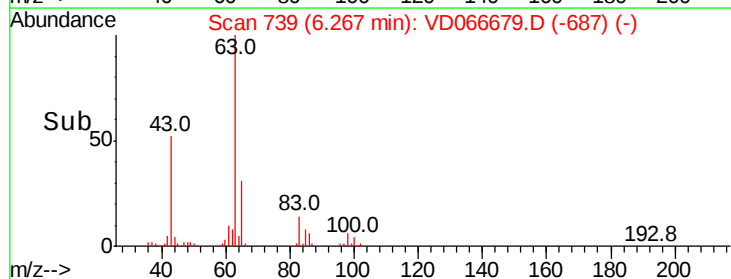
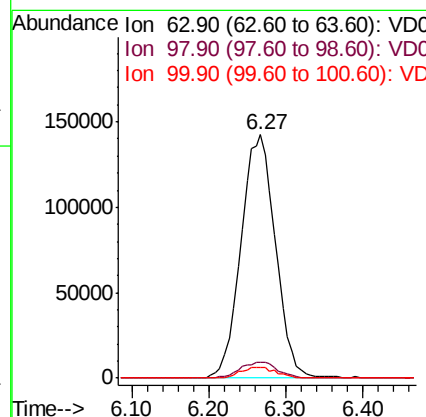
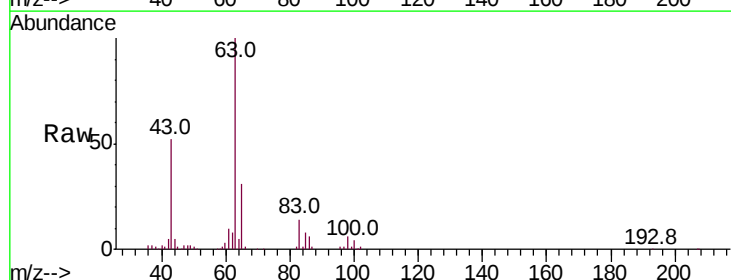
Instrument :
 MSVOA_D
 ClientSampleId :

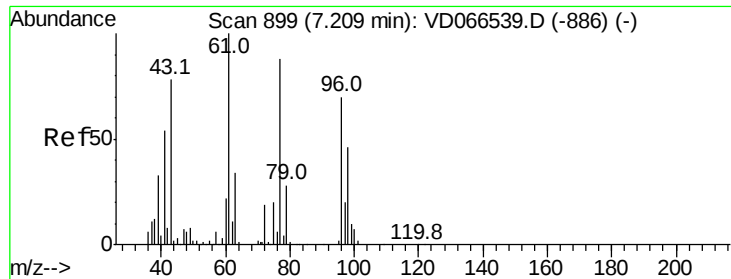
Tot Ion: 43 Resp: 2149344
 Ion Ratio Lower Upper
 43 100
 86 10.2 7.7 11.5



#24
 1,1-Dichloroethane
 Concen: 53.216 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. 0.01 min
 Lab File: VD066679.D
 Acq: 14 Sep 2020 18:48

Tgt Ion: 63 Resp: 446008
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.4 10.1
 100 4.2 2.5 7.4





#25

2-Butanone

Concen: 269.044 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD066679.D

Acq: 14 Sep 2020 18:48

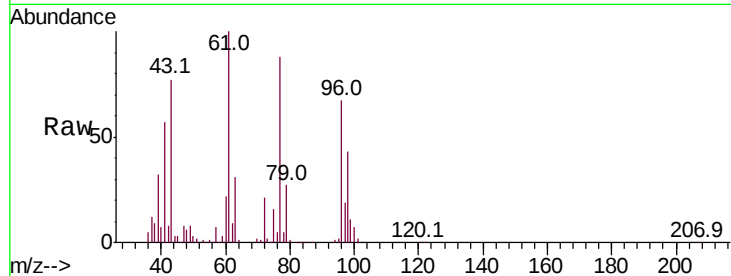
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 315577

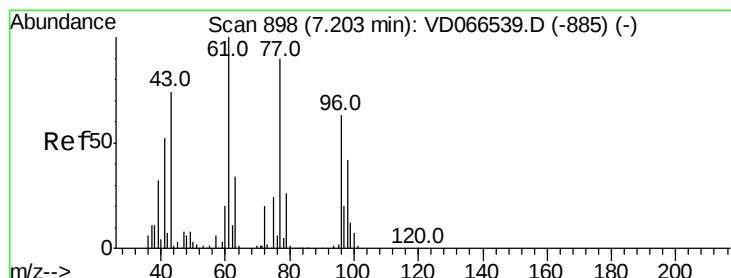
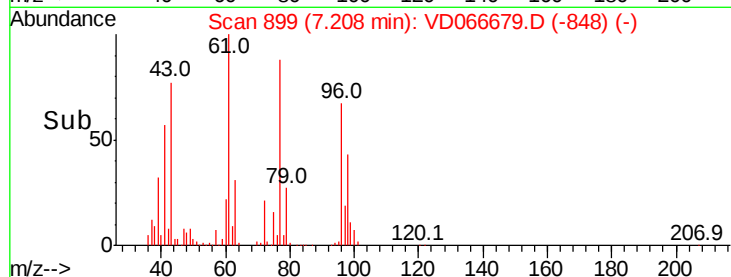
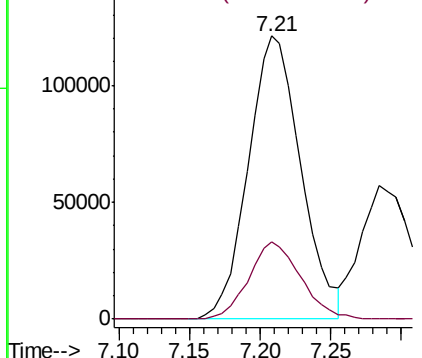
Ion Ratio Lower Upper

43 100

72 27.1 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: 53.298 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.00 min

Lab File: VD066679.D

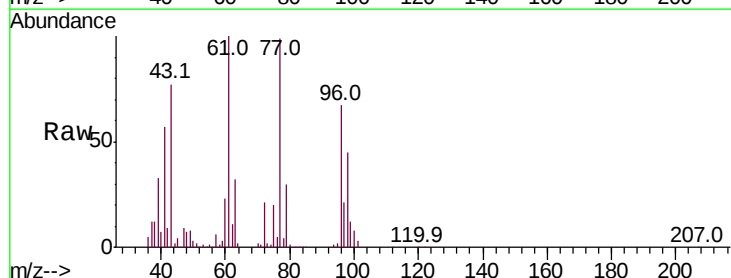
Acq: 14 Sep 2020 18:48

Tgt Ion: 77 Resp: 409742

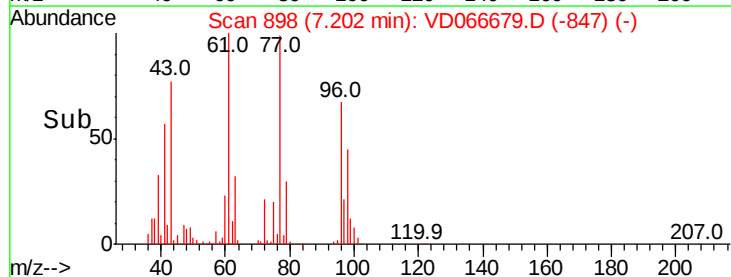
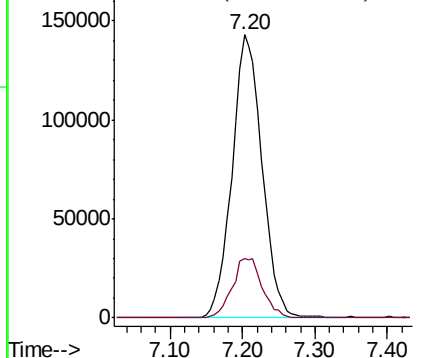
Ion Ratio Lower Upper

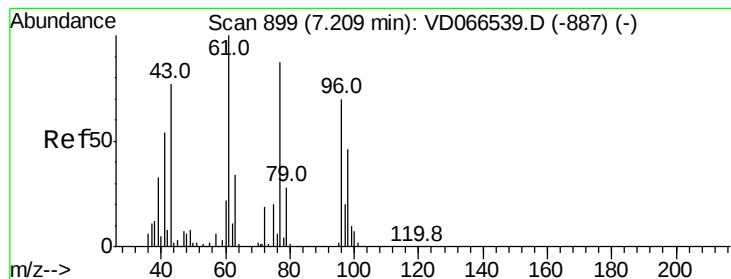
77 100

97 21.2 10.8 32.3



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



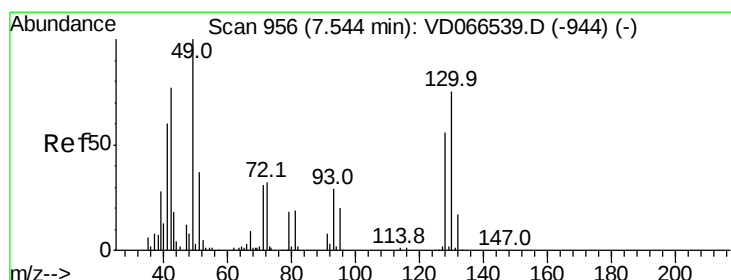
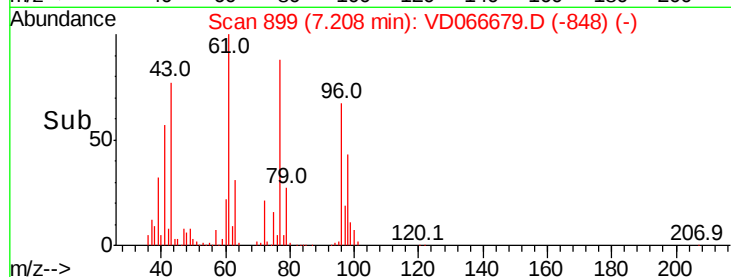
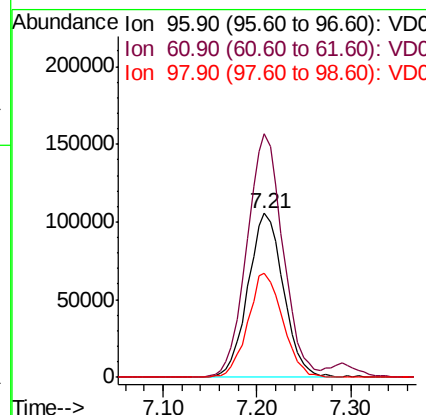
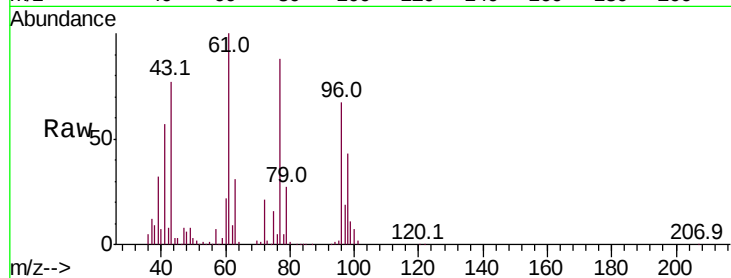


#27

cis-1,2-Dichloroethene
 Concen: 54.528 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VD066679.D
 Acq: 14 Sep 2020 18:48

Instrument :
 MSVOA_D
 ClientSampleId :

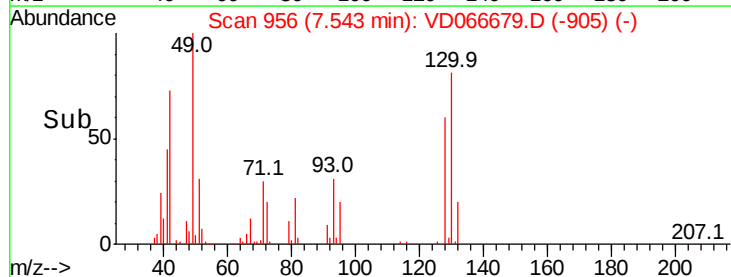
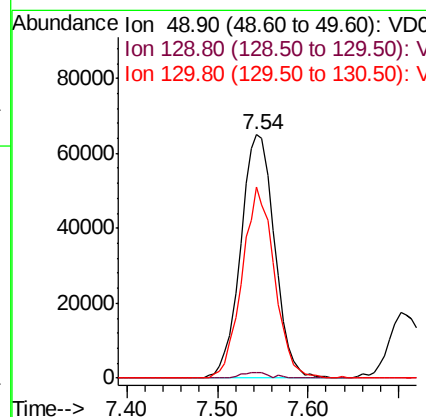
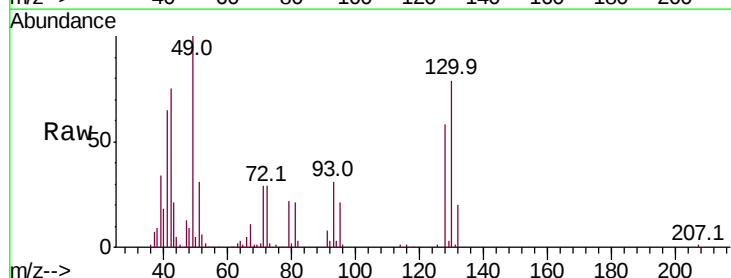
Tot Ion	96	Resp	275358
Ion	Ratio	Lower	Upper
96	100		
61	150.8	0.0	301.0
98	62.5	0.0	129.8

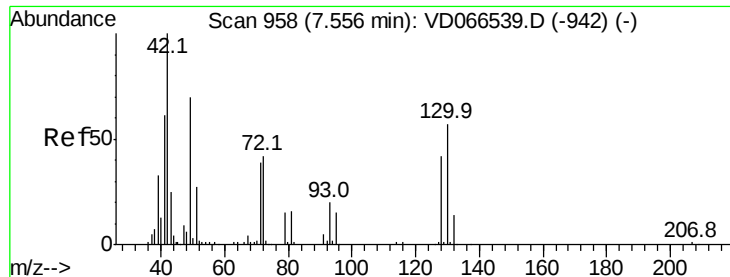


#28

Bromochloromethane
 Concen: 52.409 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.00 min
 Lab File: VD066679.D
 Acq: 14 Sep 2020 18:48

Tgt Ion	49	Resp	169106
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	2.6
130	74.7	58.2	87.2





#29

Tetrahydrofuran

Concen: 276.872 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.01 min

Lab File: VD066679.D

Acq: 14 Sep 2020 18:48

Instrument :

MSVOA_D

ClientSampled :

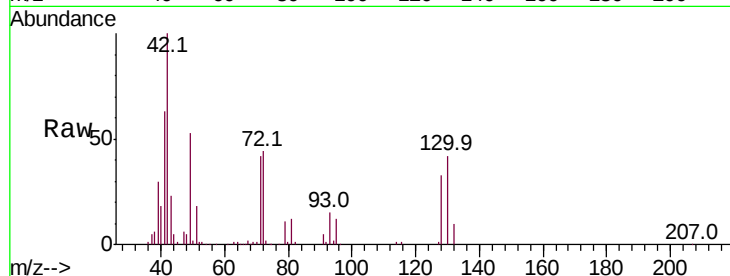
Tot Ion: 42 Resp: 202257

Ion Ratio Lower Upper

42 100

72 41.3 33.4 50.0

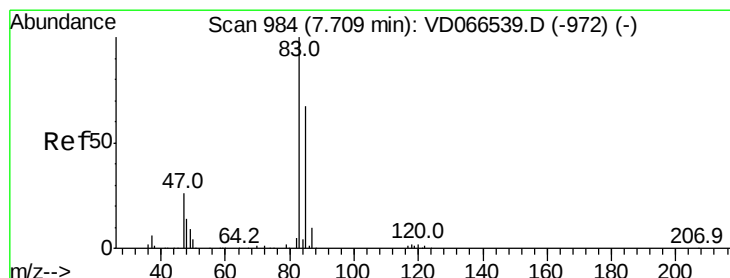
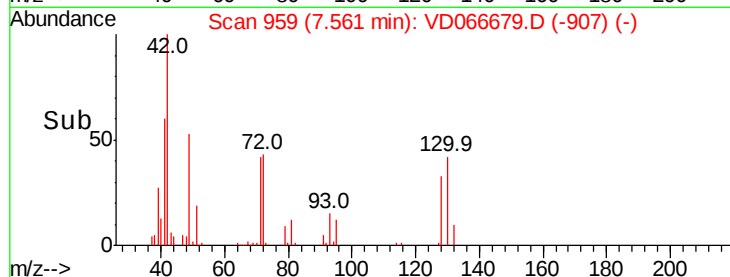
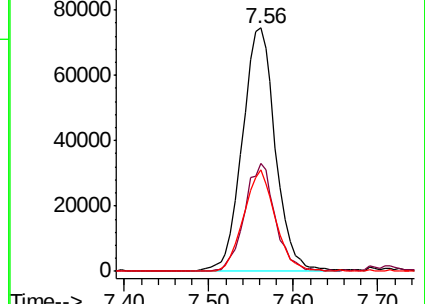
71 39.6 31.9 47.9



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: 53.679 ug/l

RT: 7.71 min Scan# 984

Delta R.T. -0.00 min

Lab File: VD066679.D

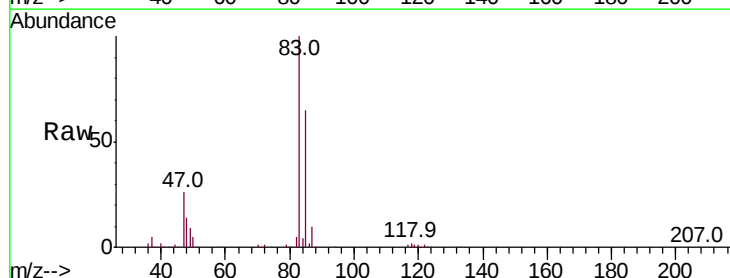
Acq: 14 Sep 2020 18:48

Tgt Ion: 83 Resp: 475950

Ion Ratio Lower Upper

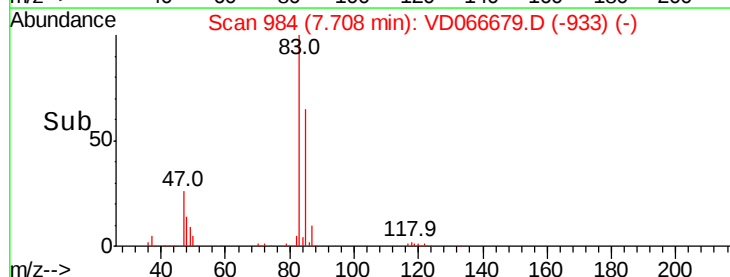
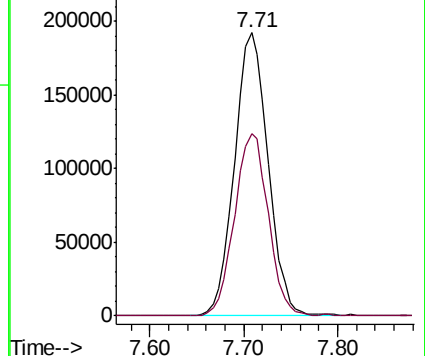
83 100

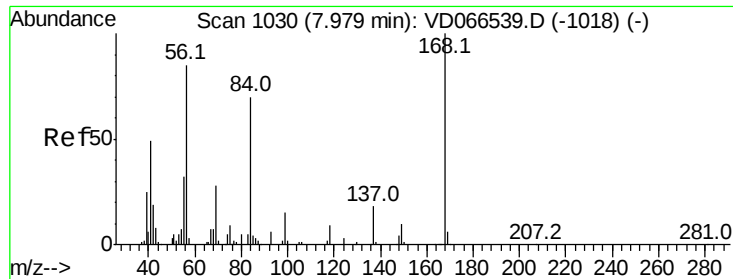
85 64.6 53.6 80.4



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

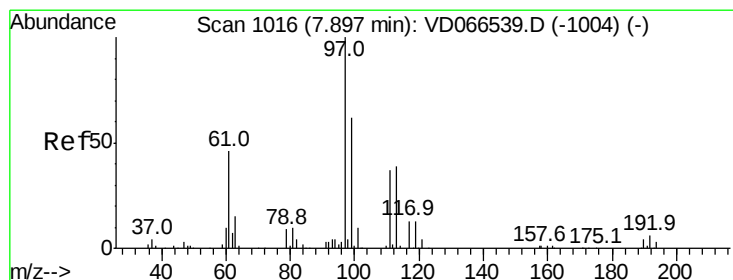
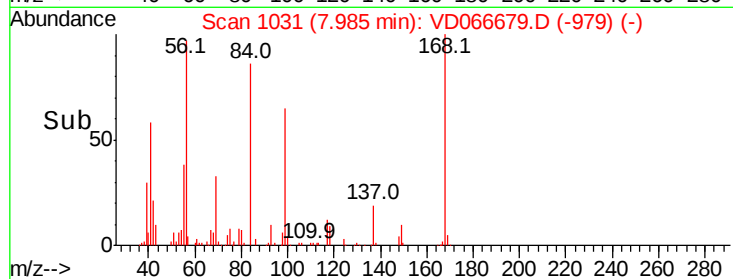
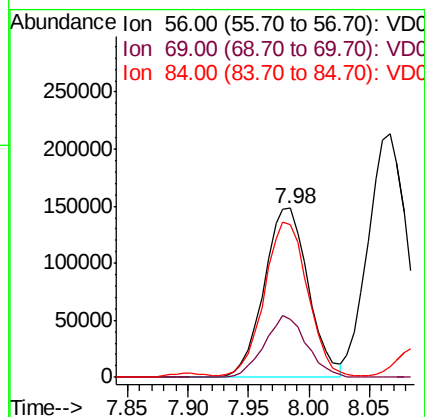
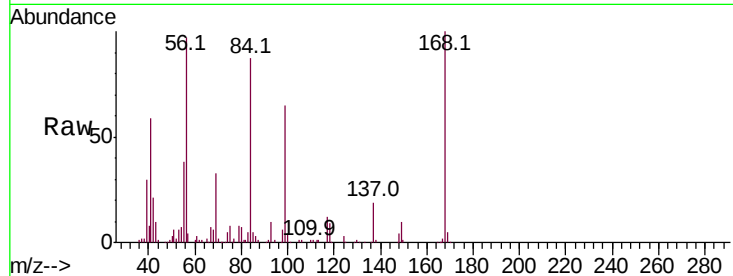




#31
Cyclohexane
Concen: 48.688 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VD066679.D
Acq: 14 Sep 2020 18:48

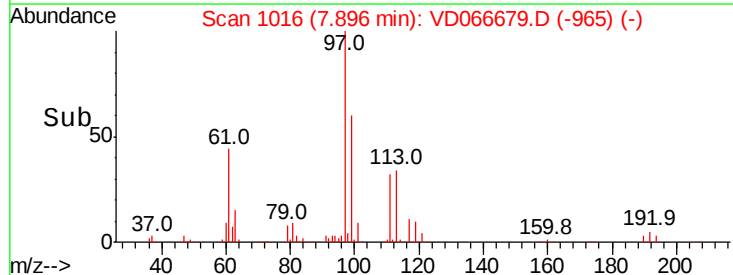
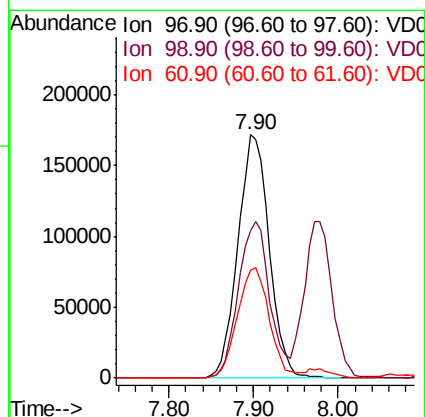
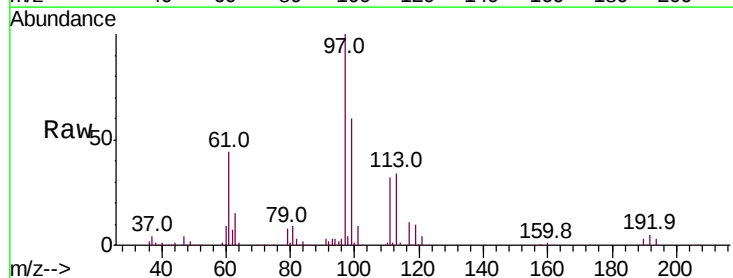
Instrument :
MSVOA_D
ClientSampled :

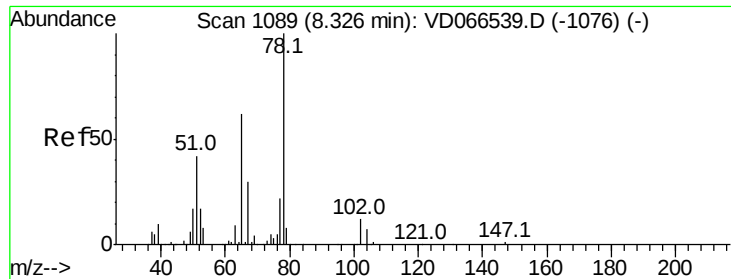
Tot Ion: 56 Resp: 377202
Ion Ratio Lower Upper
56 100
69 34.0 26.3 39.5
84 87.7 66.1 99.1



#32
1,1,1-Trichloroethane
Concen: 52.919 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VD066679.D
Acq: 14 Sep 2020 18:48

Tgt Ion: 97 Resp: 441152
Ion Ratio Lower Upper
97 100
99 64.5 51.4 77.0
61 46.3 37.4 56.0





#33

1,2-Dichloroethane-d4

Concen: 52.302 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.00 min

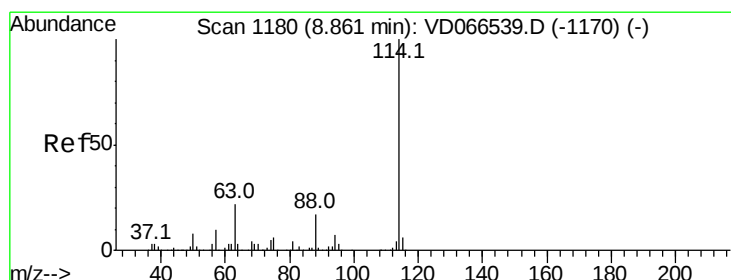
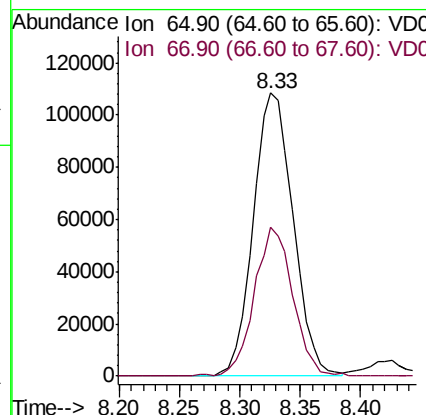
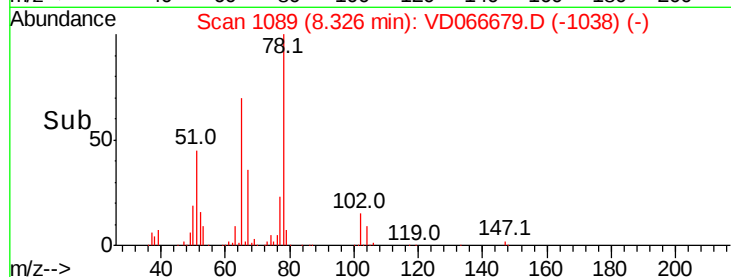
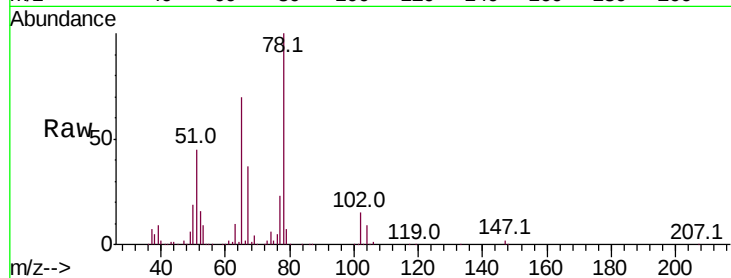
Lab File: VD066679.D

Acq: 14 Sep 2020 18:48

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 65 Resp: 248379

Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

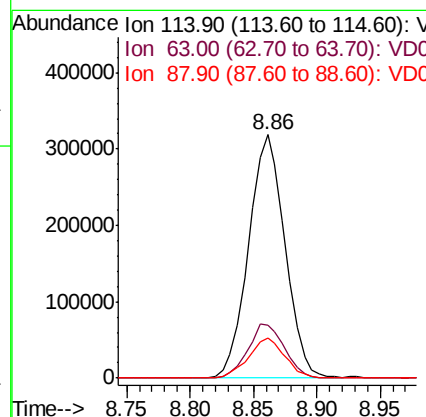
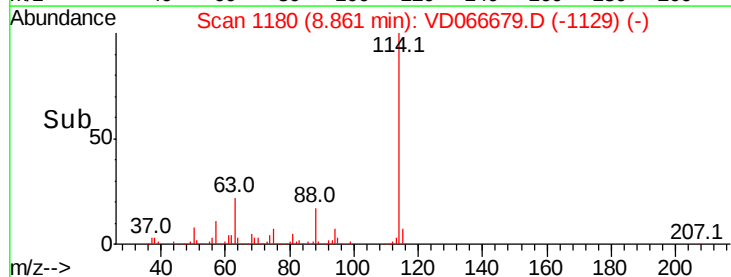
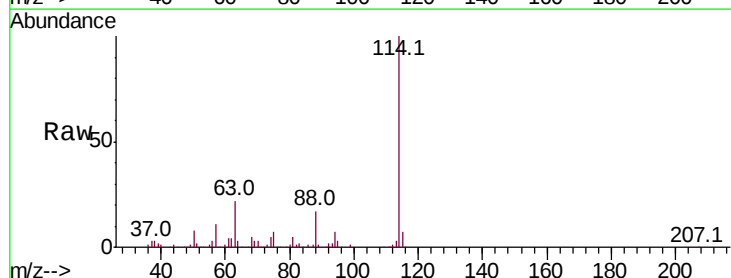
Delta R.T. -0.00 min

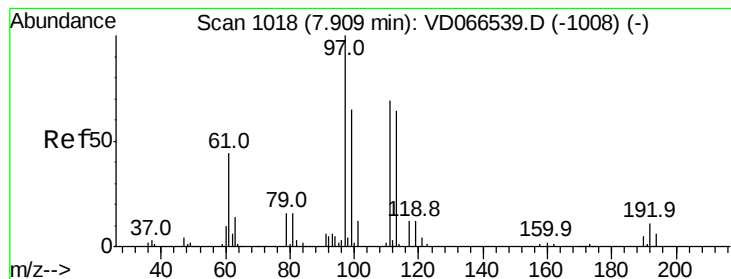
Lab File: VD066679.D

Acq: 14 Sep 2020 18:48

Tgt Ion: 114 Resp: 637195

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	43.2
88	16.7	0.0	33.2





#35

Dibromofluoromethane

Concen: 52.791 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD066679.D

Acq: 14 Sep 2020 18:48

Instrument :

MSVOA_D

ClientSampleId :

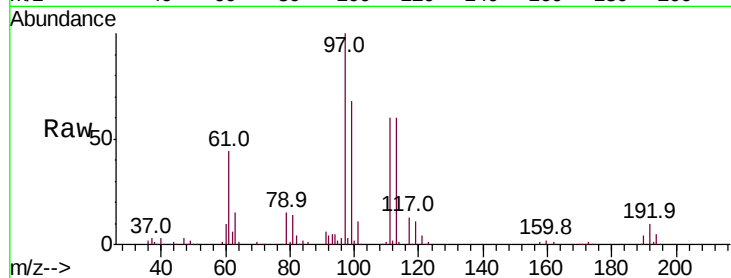
Tot Ion:113 Resp: 226924

Ion Ratio Lower Upper

113 100

111 100.3 83.2 124.8

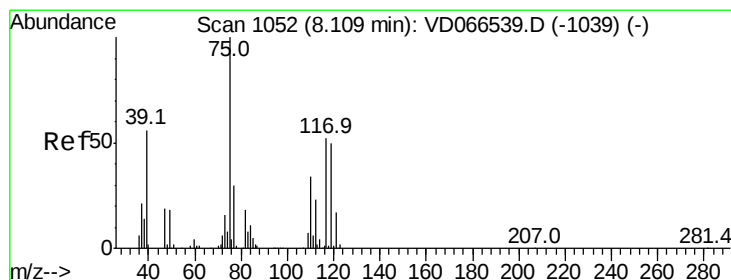
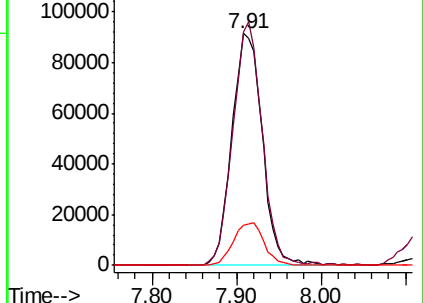
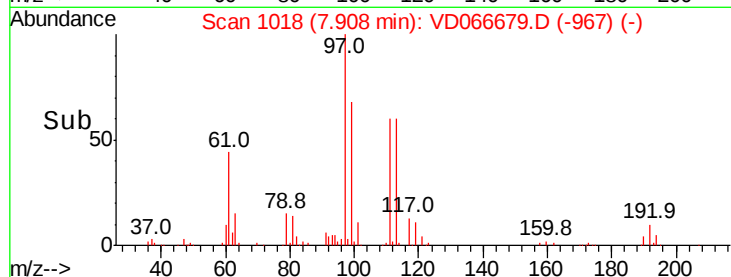
192 18.4 13.7 20.5



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: 54.036 ug/l

RT: 8.11 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VD066679.D

Acq: 14 Sep 2020 18:48

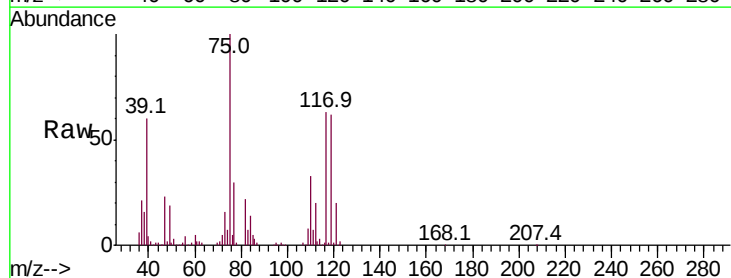
Tgt Ion: 75 Resp: 358329

Ion Ratio Lower Upper

75 100

110 33.9 17.3 52.0

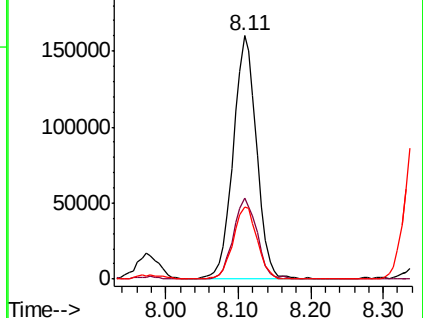
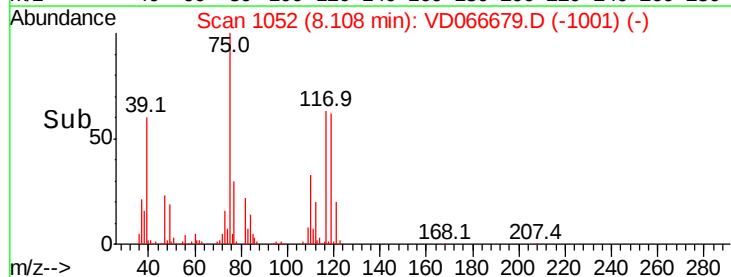
77 30.8 25.1 37.7

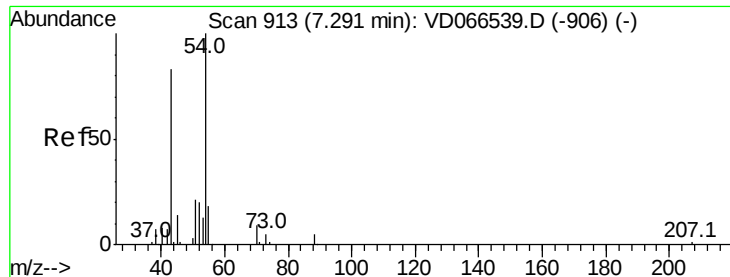


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

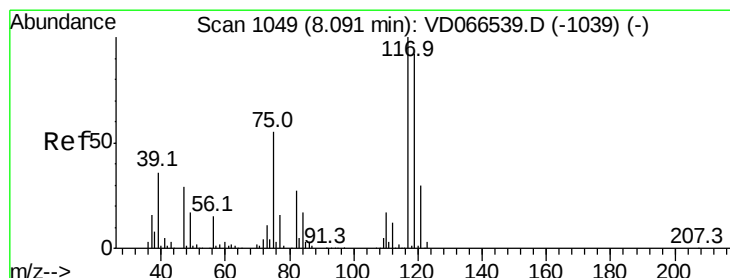
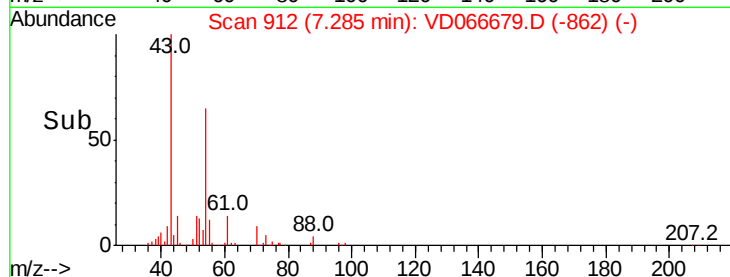
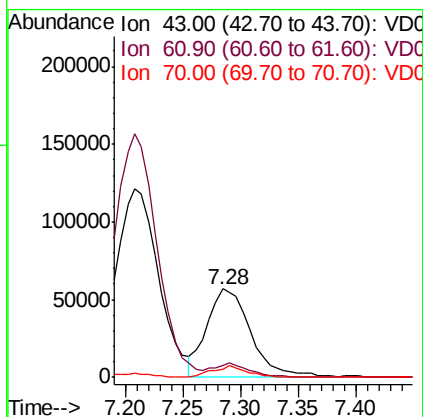
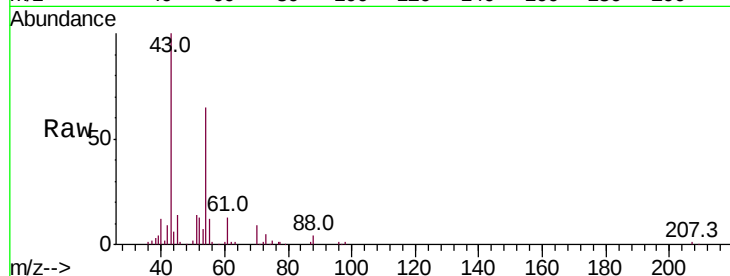




#37
Ethyl Acetate
Concen: 56.184 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066679.D
Acq: 14 Sep 2020 18:48

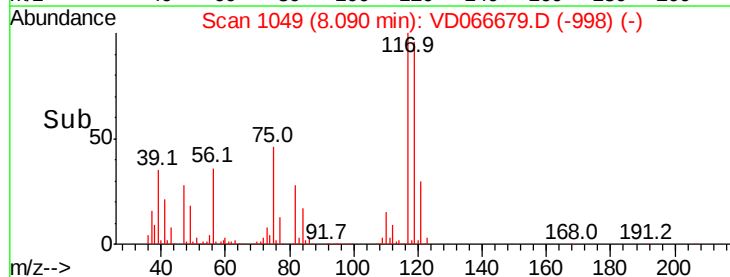
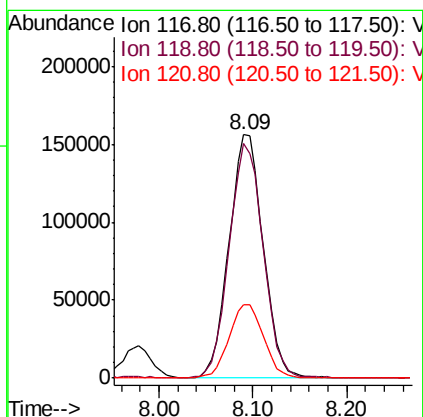
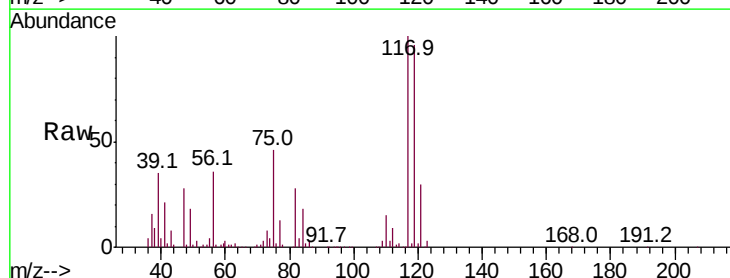
Instrument :
MSVOA_D
ClientSampleId :

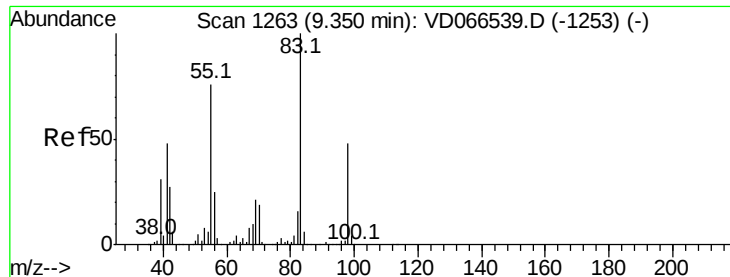
Tot Ion: 43 Resp: 148358
Ion Ratio Lower Upper
43 100
61 12.9 11.8 17.8
70 10.9 7.9 11.9



#38
Carbon Tetrachloride
Concen: 55.838 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VD066679.D
Acq: 14 Sep 2020 18:48

Tgt Ion: 117 Resp: 391381
Ion Ratio Lower Upper
117 100
119 96.2 73.9 110.9
121 30.2 24.1 36.1

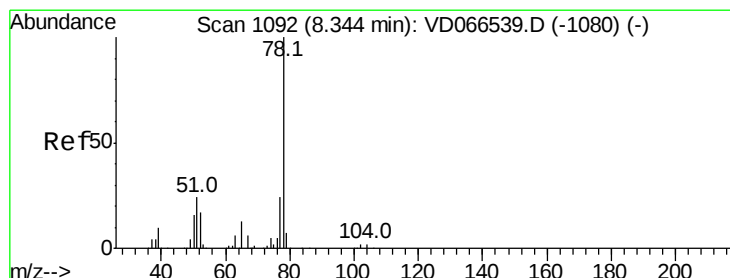
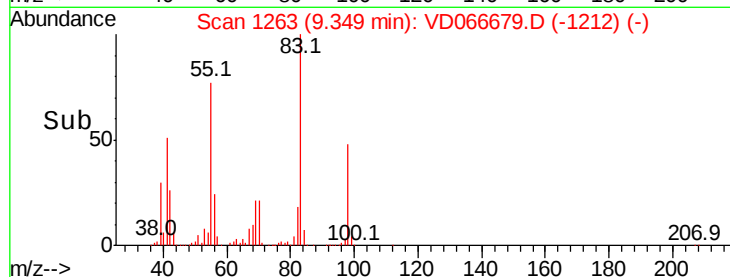
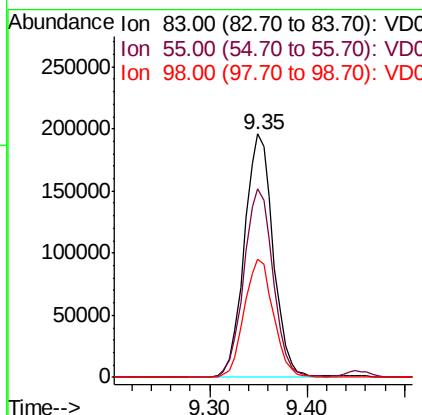
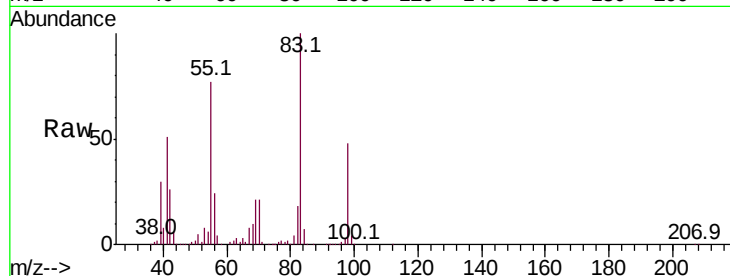




#39
Methvlcvclohexane
Concen: 54.910 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066679.D
Acq: 14 Sep 2020 18:48

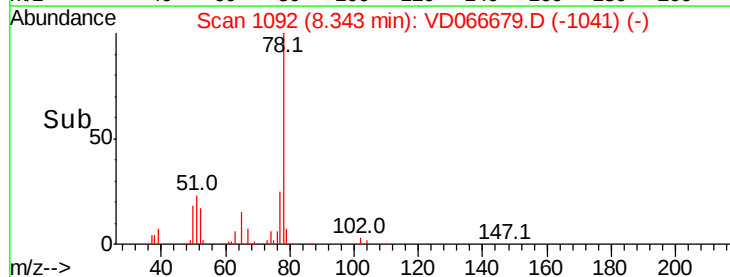
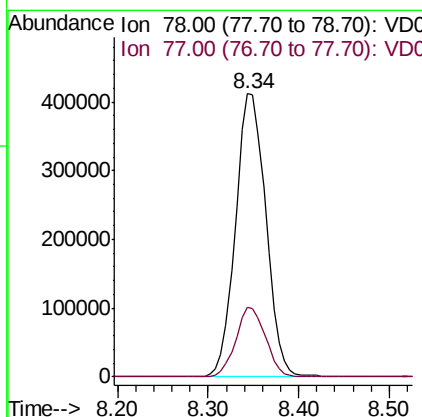
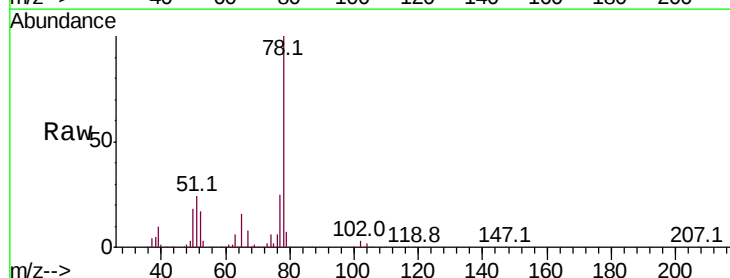
Instrument :
MSVOA_D
ClientSampleId :

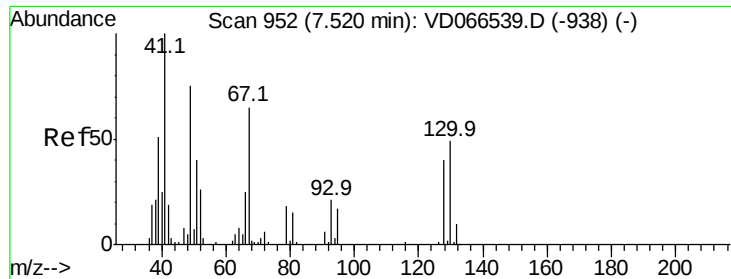
Tot Ion	83	Resp	406597
Ion	Ratio	Lower	Upper
83	100		
55	77.2	60.8	91.2
98	48.4	38.6	58.0



#40
Benzene
Concen: 52.948 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. -0.00 min
Lab File: VD066679.D
Acq: 14 Sep 2020 18:48

Tgt Ion	78	Resp	961621
Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.1	28.7

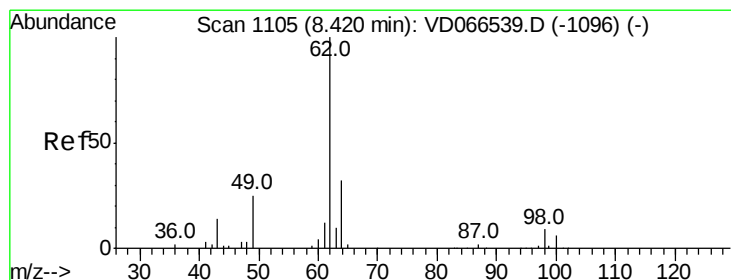
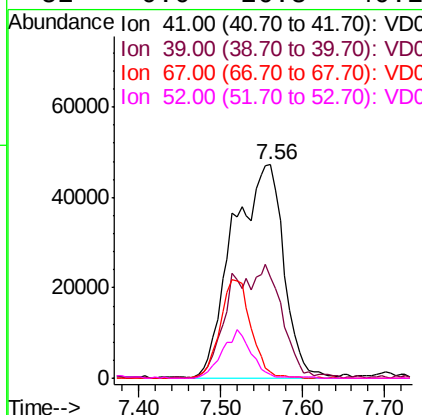
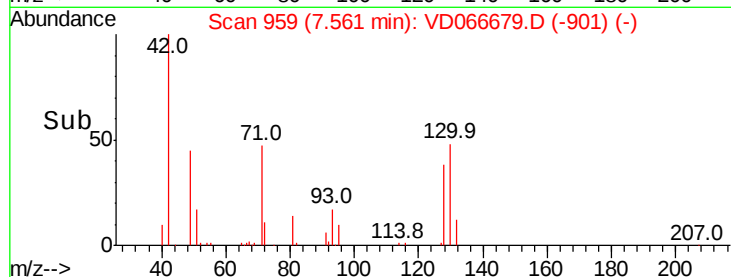
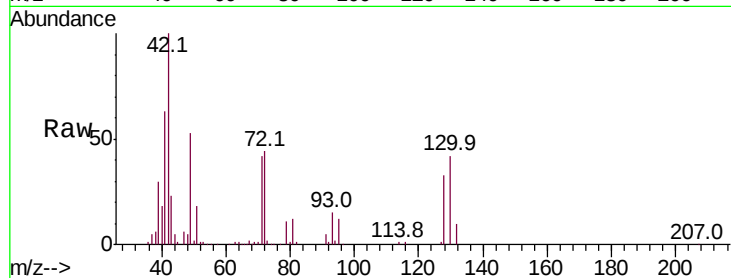




#41
Methacrylonitrile
Concen: 160.450 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.04 min
Lab File: VD066679.D
Acq: 14 Sep 2020 18:48

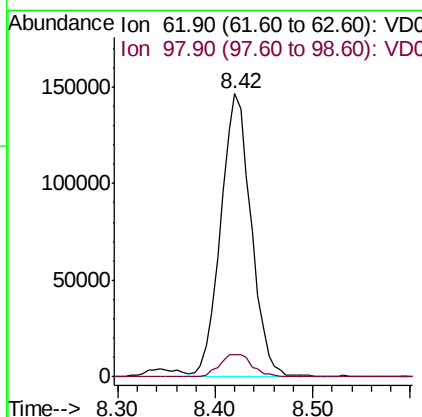
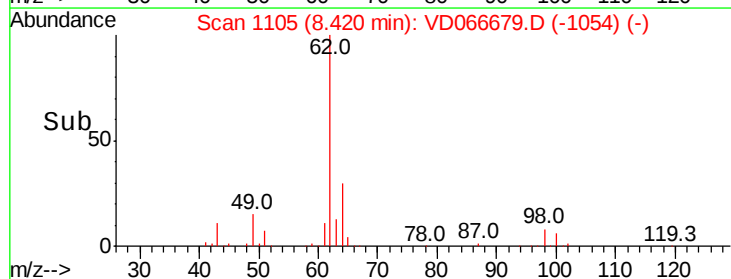
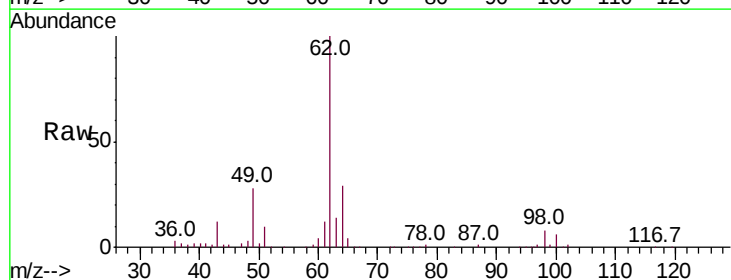
Instrument :
MSVOA_D
ClientSampleId :

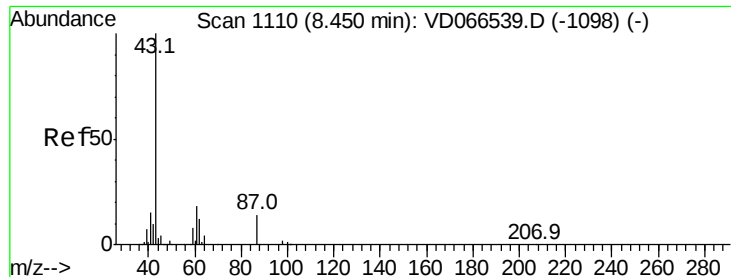
Tot Ion: 41 Resp: 205084
Ion Ratio Lower Upper
41 100
39 0.0 53.6 80.4#
67 0.0 59.2 88.8#
52 0.0 26.8 40.2#



#42
1,2-Dichloroethane
Concen: 53.806 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VD066679.D
Acq: 14 Sep 2020 18:48

Tgt Ion: 62 Resp: 316621
Ion Ratio Lower Upper
62 100
98 8.5 0.0 17.6





#43

Isopropyl Acetate

Concen: 57.544 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD066679.D

Acq: 14 Sep 2020 18:48

Instrument :

MSVOA_D

ClientSampleId :

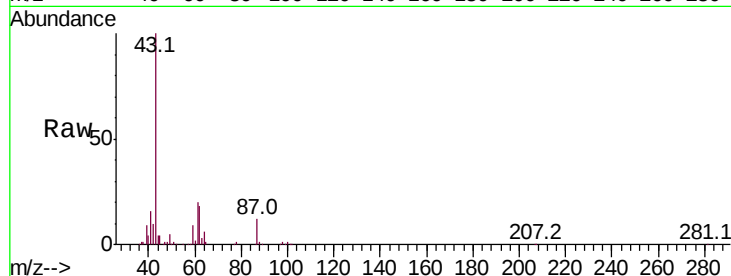
Tot Ion: 43 Resp: 291189

Ion Ratio Lower Upper

43 100

61 29.9 23.8 35.8

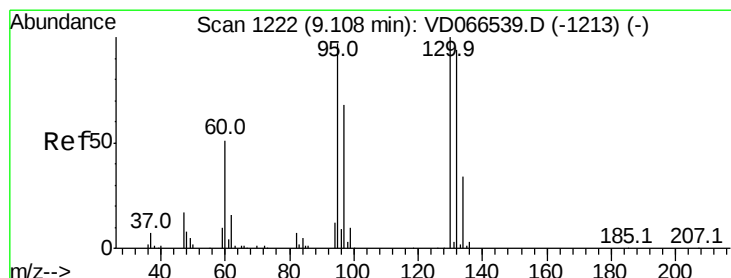
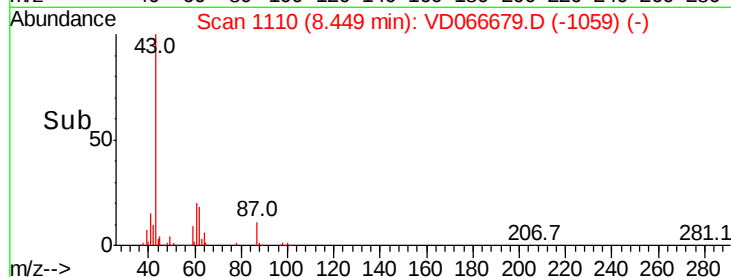
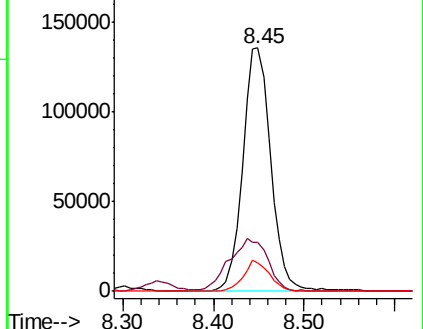
87 11.8 10.7 16.1



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: 54.183 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. -0.00 min

Lab File: VD066679.D

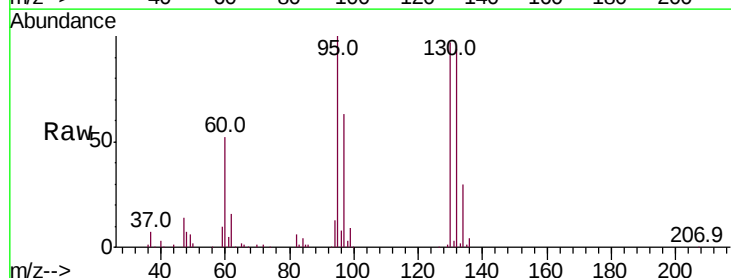
Acq: 14 Sep 2020 18:48

Tgt Ion: 130 Resp: 258126

Ion Ratio Lower Upper

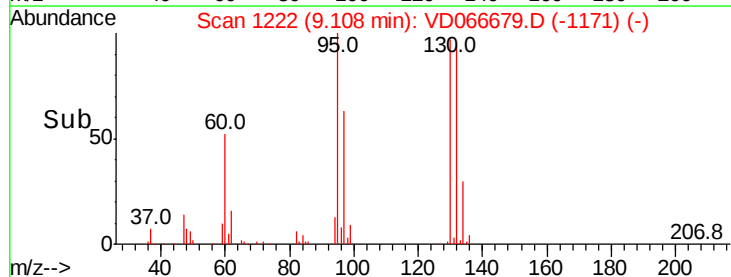
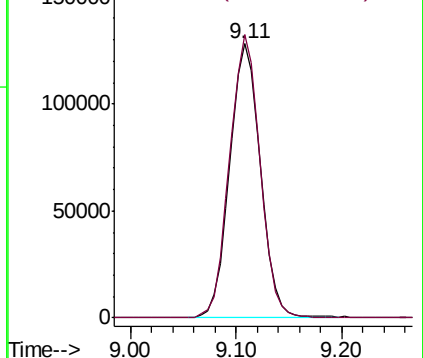
130 100

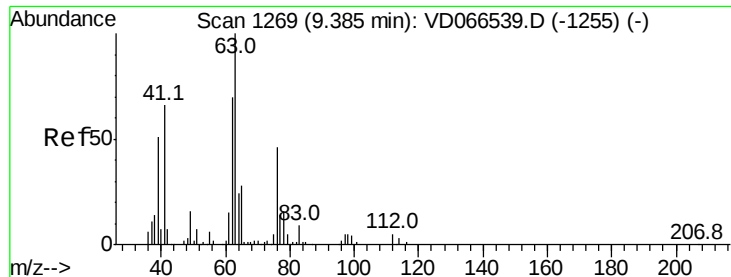
95 103.2 0.0 194.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 53.903 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VD066679.D

Acq: 14 Sep 2020 18:48

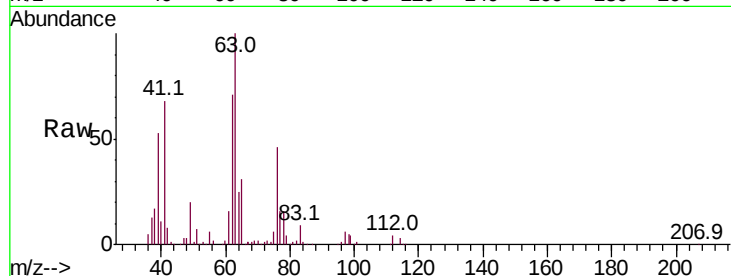
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 63 Resp: 246190

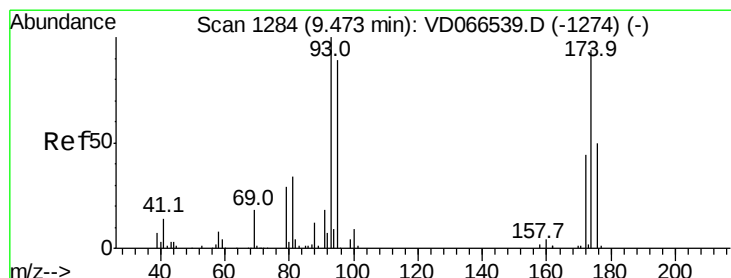
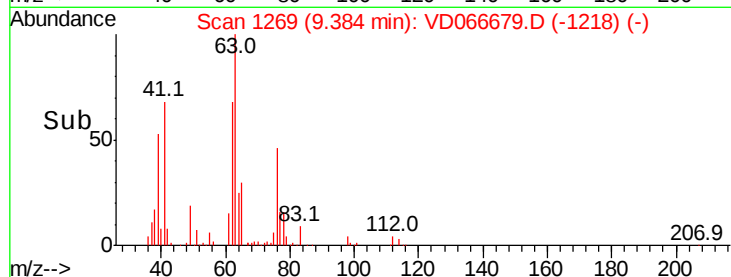
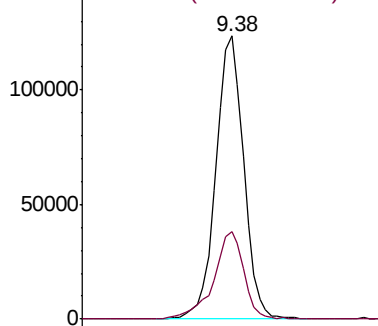
Ion Ratio Lower Upper

63 100

65 30.9 22.6 34.0



Abundance Ion 62.90 (62.60 to 63.60): VDC
Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 53.670 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VD066679.D

Acq: 14 Sep 2020 18:48

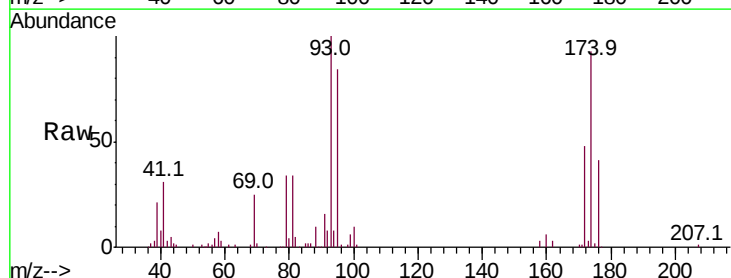
Tgt Ion: 93 Resp: 135238

Ion Ratio Lower Upper

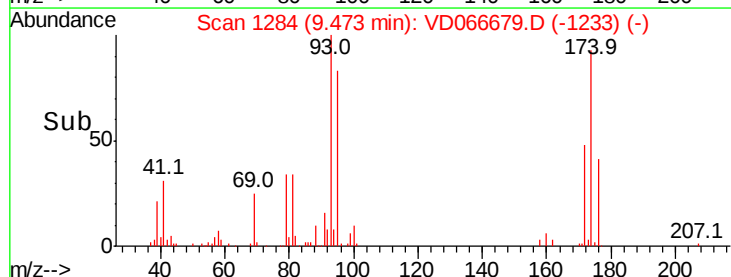
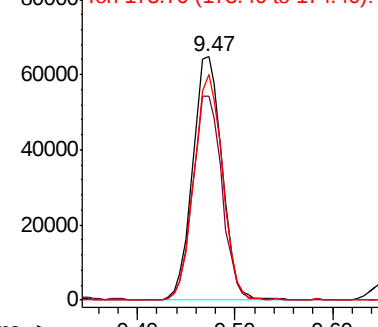
93 100

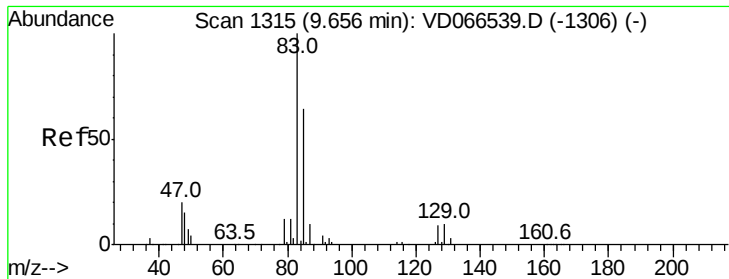
95 83.6 68.7 103.1

174 89.9 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





#47

Bromodichloromethane

Concen: 55.344 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VD066679.D

Acq: 14 Sep 2020 18:48

Instrument :

MSVOA_D

ClientSampleId :

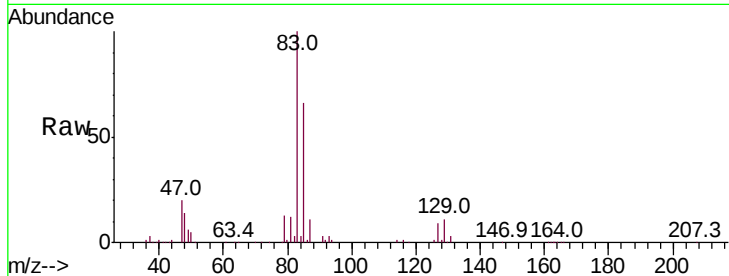
Tot Ion: 83 Resp: 377305

Ion Ratio Lower Upper

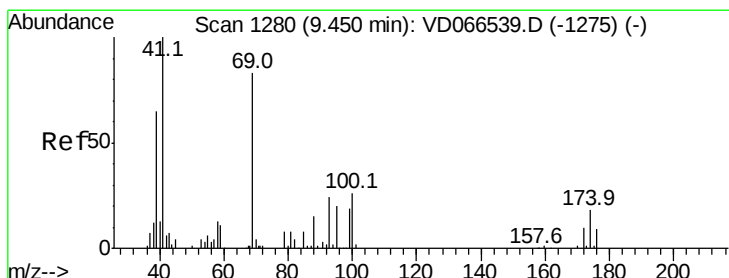
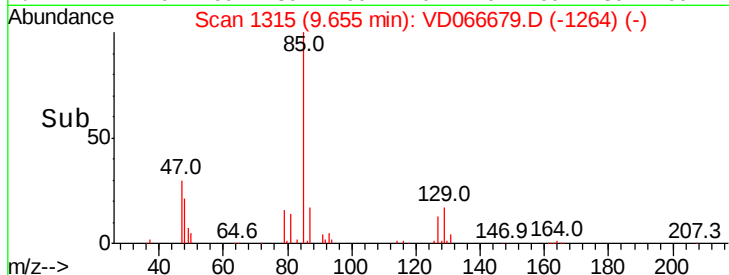
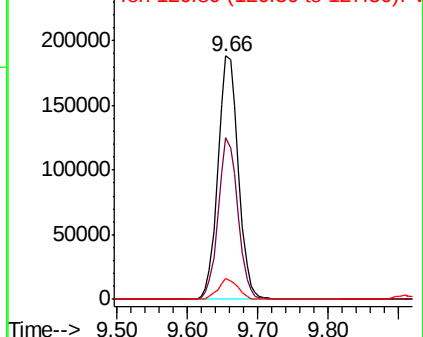
83 100

85 66.2 51.1 76.7

127 8.6 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: 56.014 ug/l

RT: 9.45 min Scan# 1280

Delta R.T. -0.00 min

Lab File: VD066679.D

Acq: 14 Sep 2020 18:48

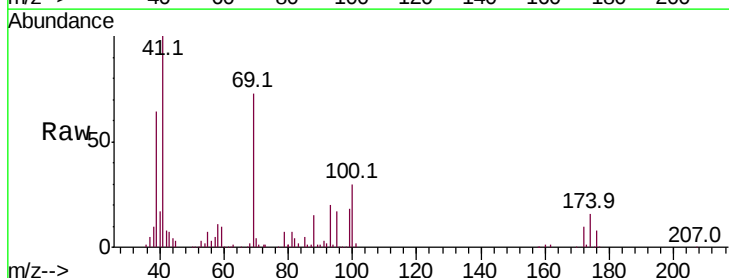
Tgt Ion: 41 Resp: 143327

Ion Ratio Lower Upper

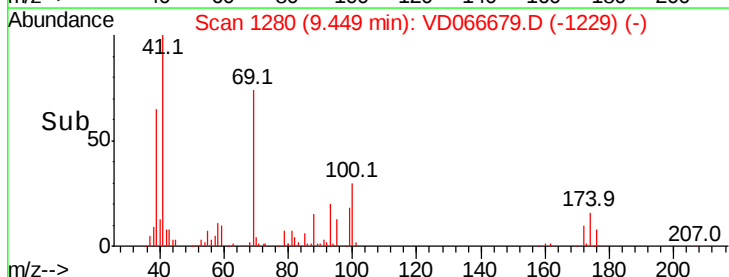
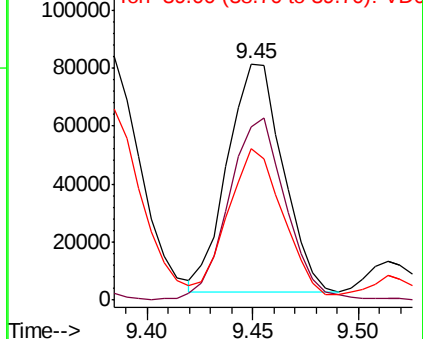
41 100

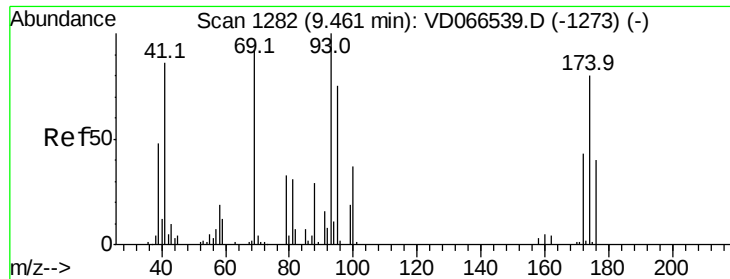
69 82.0 64.5 96.7

39 62.2 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

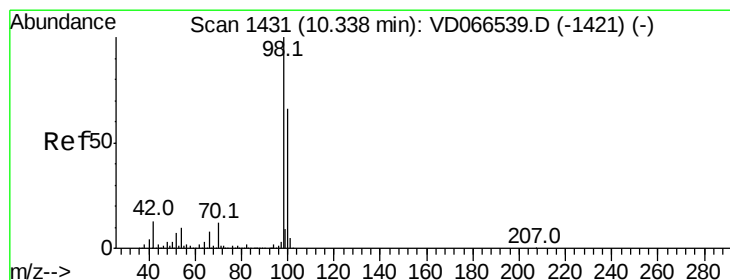
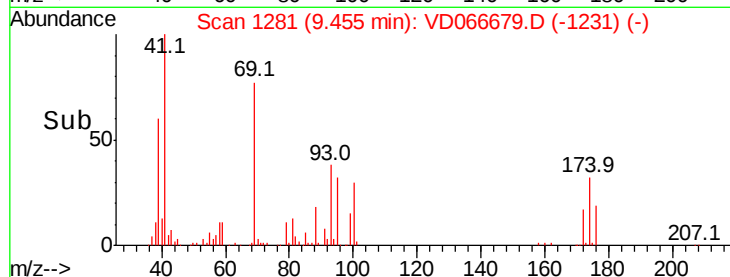
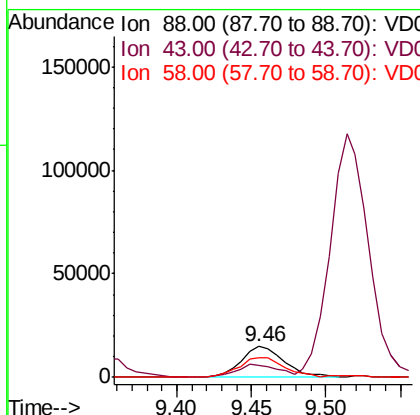
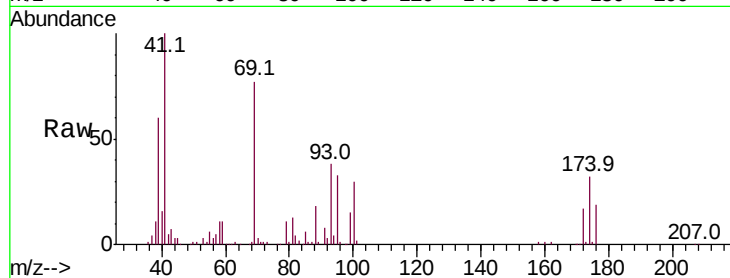




#49
 1,4-Dioxane
 Concen: 1074.826 ug/l
 RT: 9.46 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: VD066679.D
 Acq: 14 Sep 2020 18:48

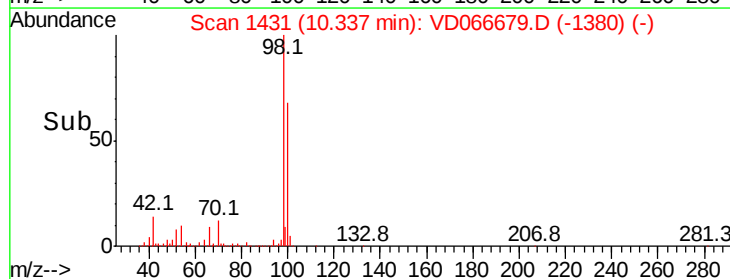
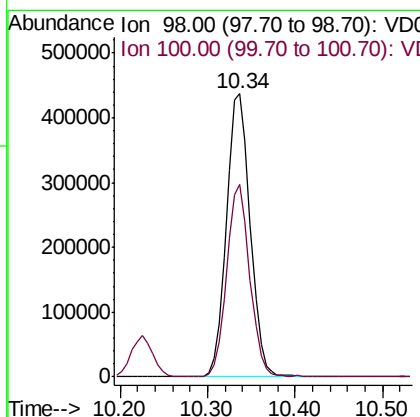
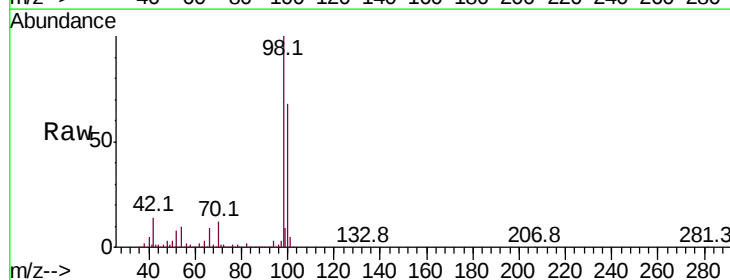
Instrument :
 MSVOA_D
 ClientSampled :

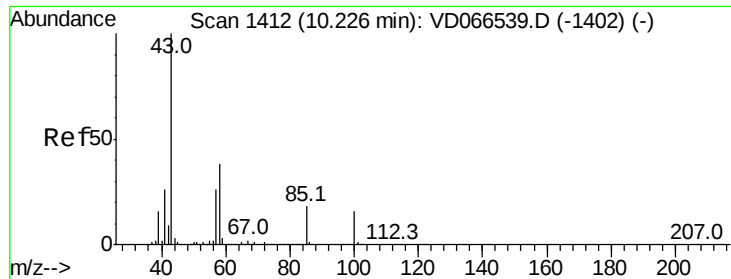
Tot Ion: 88 Resp: 29713
 Ion Ratio Lower Upper
 88 100
 43 42.7 28.3 42.5#
 58 70.4 56.1 84.1



#50
 Toluene-d8
 Concen: 52.796 ug/l
 RT: 10.34 min Scan# 1431
 Delta R.T. -0.00 min
 Lab File: VD066679.D
 Acq: 14 Sep 2020 18:48

Tgt Ion: 98 Resp: 811146
 Ion Ratio Lower Upper
 98 100
 100 66.1 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 288.897 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.00 min

Lab File: VD066679.D

Acq: 14 Sep 2020 18:48

Instrument :

MSVOA_D

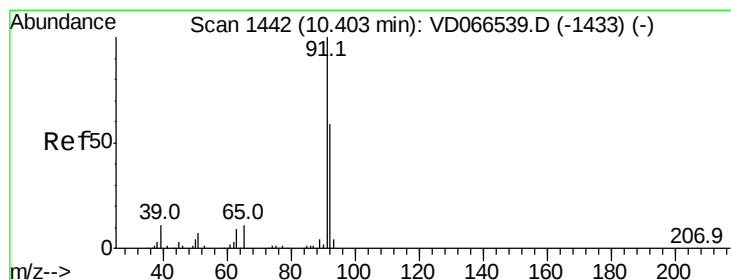
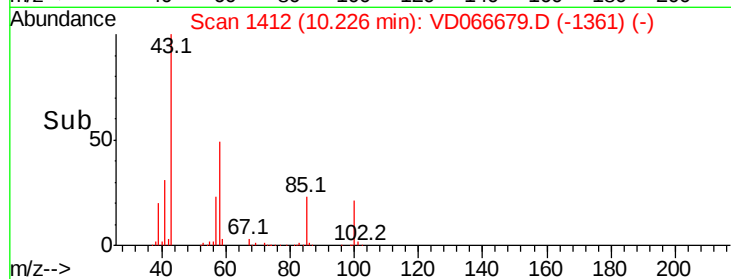
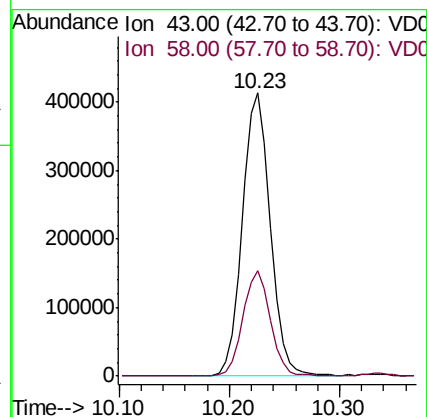
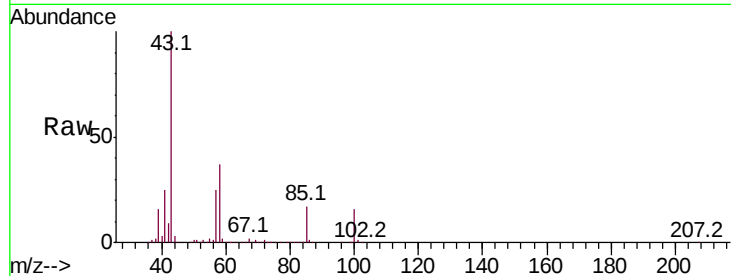
ClientSampleId :

Tot Ion: 43 Resp: 737283

Ion Ratio Lower Upper

43 100

58 36.5 30.5 45.7



#52

Toluene

Concen: 54.028 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD066679.D

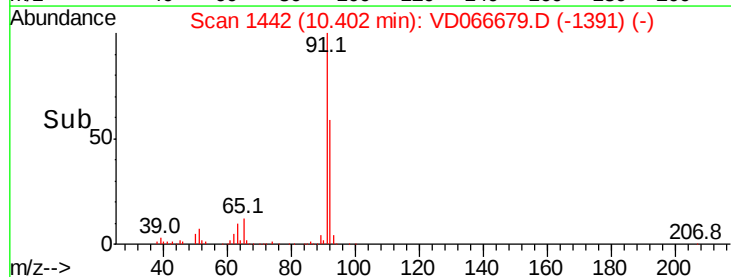
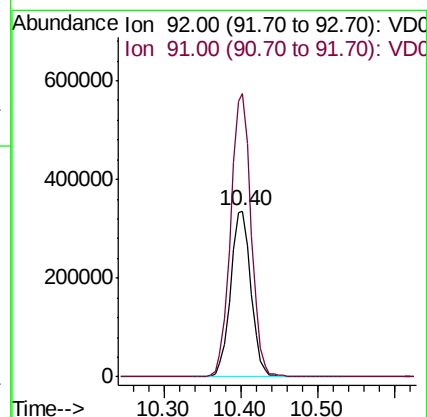
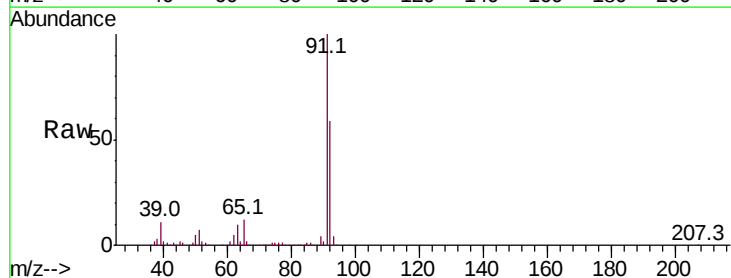
Acq: 14 Sep 2020 18:48

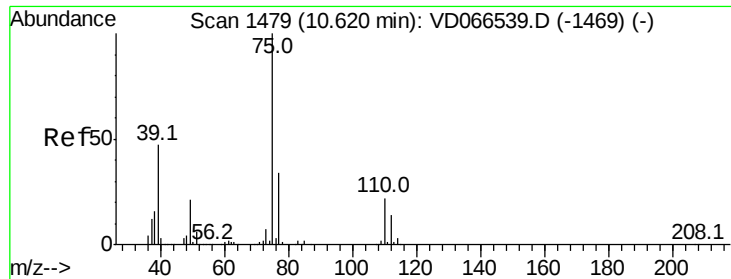
Tgt Ion: 92 Resp: 621125

Ion Ratio Lower Upper

92 100

91 171.0 137.4 206.2

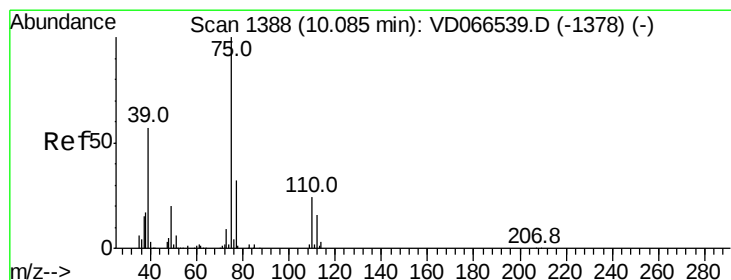
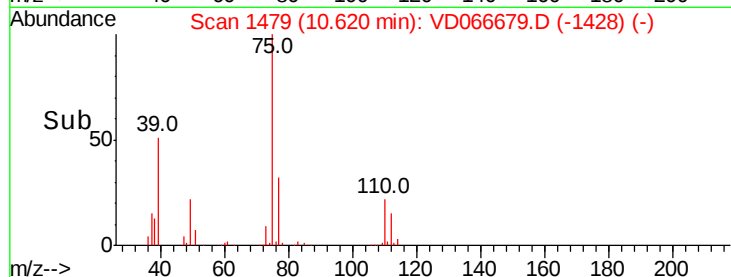
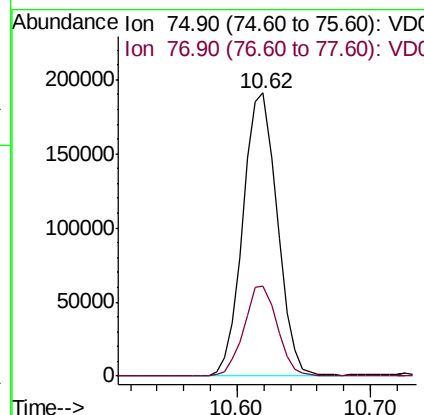
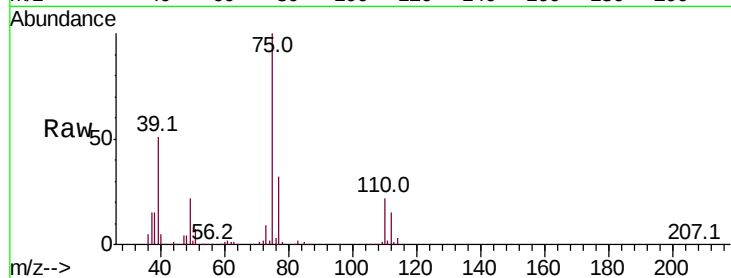




#53
 t-1,3-Dichloropropene
 Concen: 56.710 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.00 min
 Lab File: VD066679.D
 Acq: 14 Sep 2020 18:48

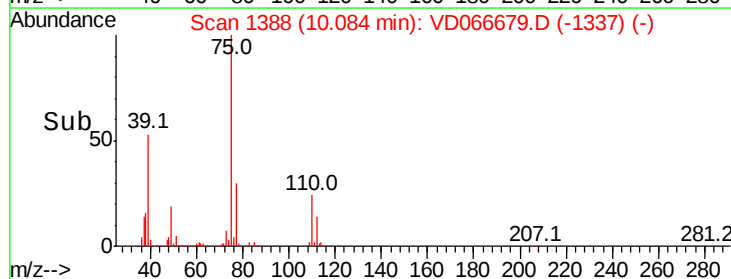
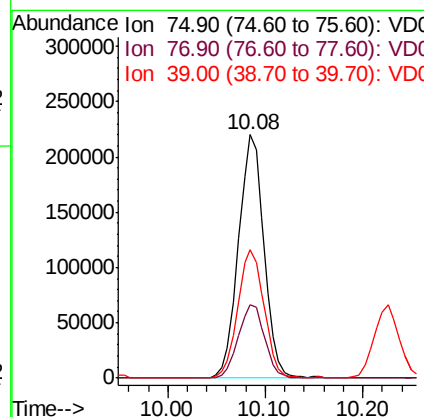
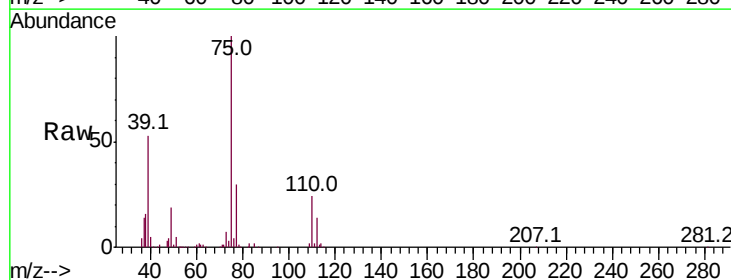
Instrument :
 MSVOA_D
 ClientSampleId :

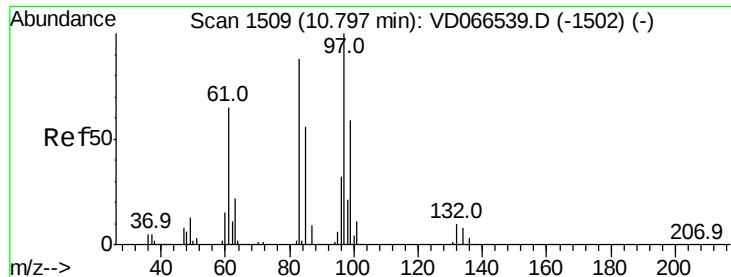
Tot Ion: 75 Resp: 341296
 Ion Ratio Lower Upper
 75 100
 77 31.8 27.4 41.2



#54
 cis-1,3-Dichloropropene
 Concen: 55.450 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. -0.00 min
 Lab File: VD066679.D
 Acq: 14 Sep 2020 18:48

Tgt Ion: 75 Resp: 400749
 Ion Ratio Lower Upper
 75 100
 77 30.3 25.4 38.0
 39 52.6 45.4 68.0





#55

1,1,2-Trichloroethane

Concen: 55.294 ug/l

RT: 10.80 min Scan# 1509

Delta R.T. -0.00 min

Lab File: VD066679.D

Acq: 14 Sep 2020 18:48

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 179146

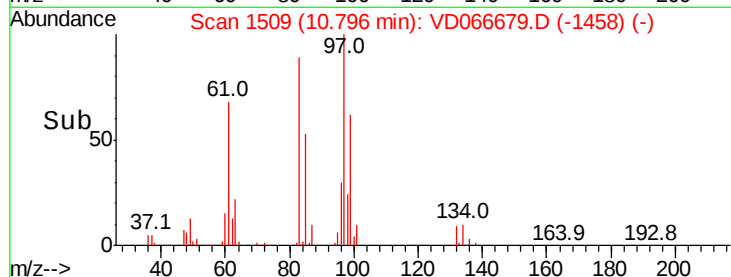
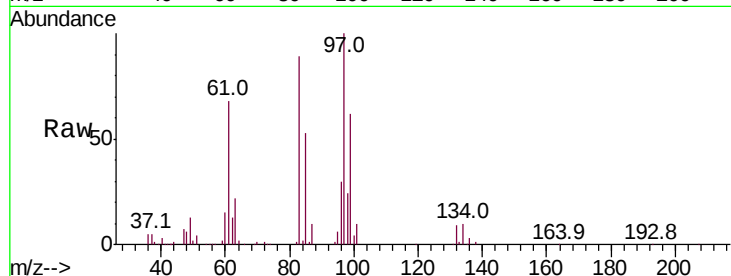
Ion	Ratio	Lower	Upper
97	100		
83	88.8	70.1	105.1
85	53.3	44.5	66.7
99	61.6	47.1	70.7

97 100

83 88.8 70.1 105.1

85 53.3 44.5 66.7

99 61.6 47.1 70.7

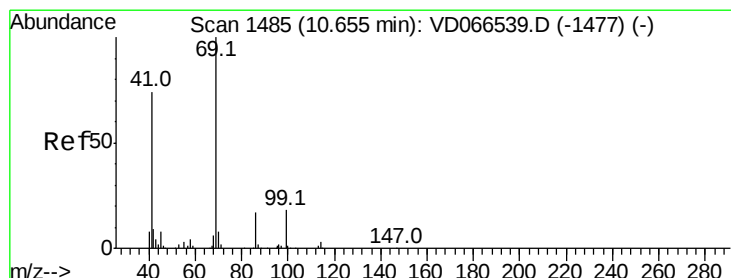
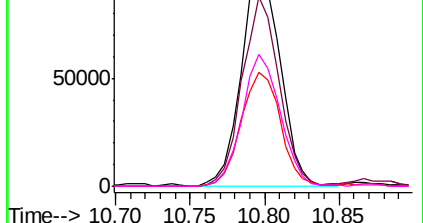


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 57.734 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. 0.01 min

Lab File: VD066679.D

Acq: 14 Sep 2020 18:48

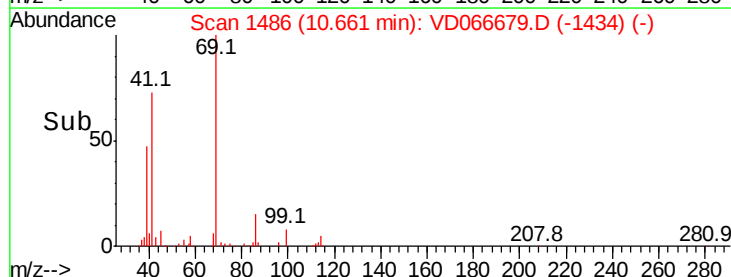
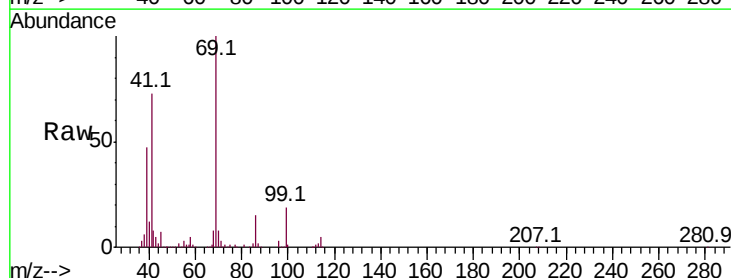
Tgt Ion: 69 Resp: 217790

Ion	Ratio	Lower	Upper
69	100		
41	73.6	56.8	85.2
39	46.3	30.6	46.0

69 100

41 73.6 56.8 85.2

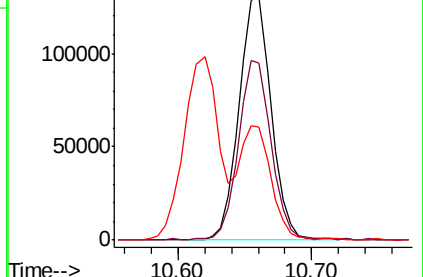
39 46.3 30.6 46.0

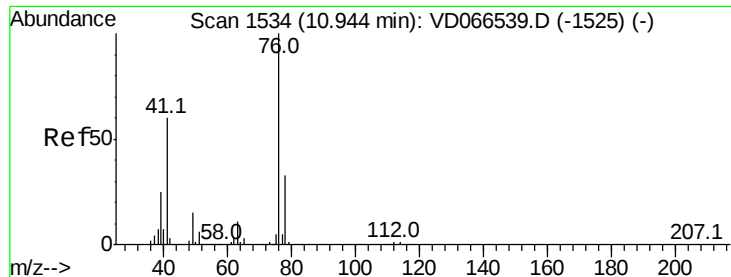


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 54.370 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VD066679.D

Acq: 14 Sep 2020 18:48

Instrument :

MSVOA_D

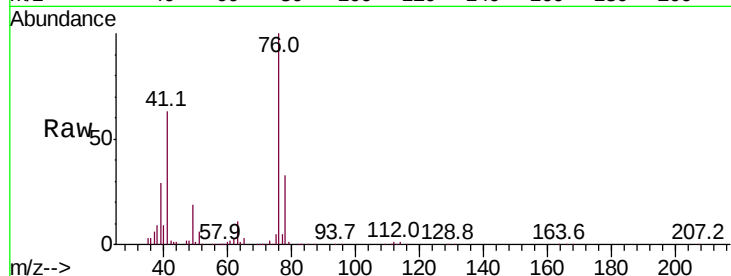
ClientSampleId :

Tot Ion: 76 Resp: 308545

Ion Ratio Lower Upper

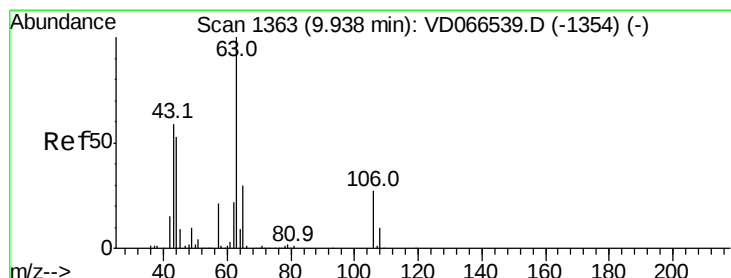
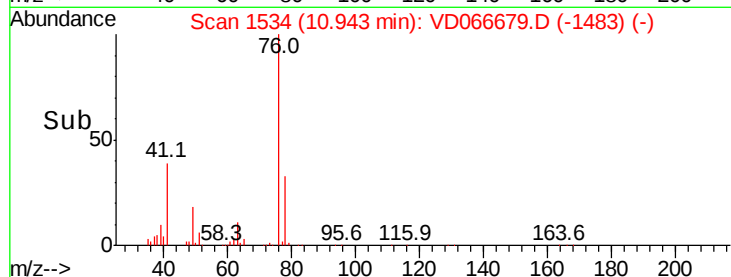
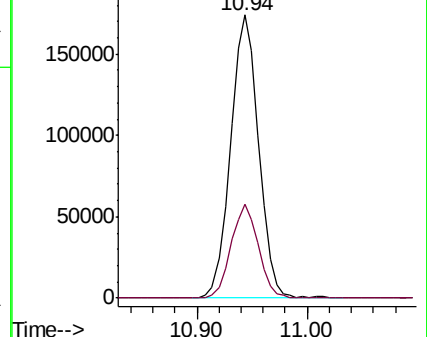
76 100

78 32.5 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: 260.306 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VD066679.D

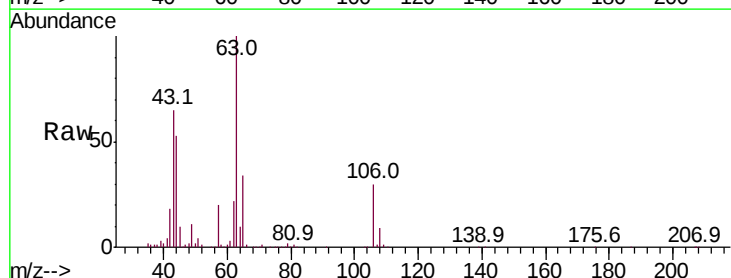
Acq: 14 Sep 2020 18:48

Tgt Ion: 63 Resp: 449141

Ion Ratio Lower Upper

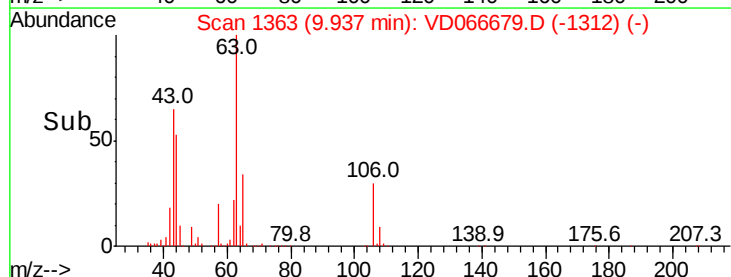
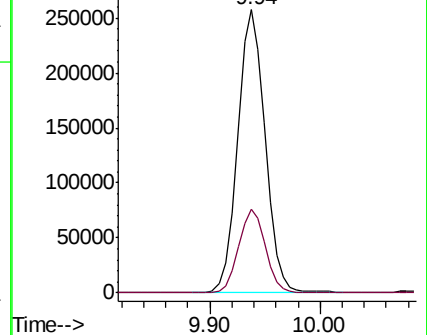
63 100

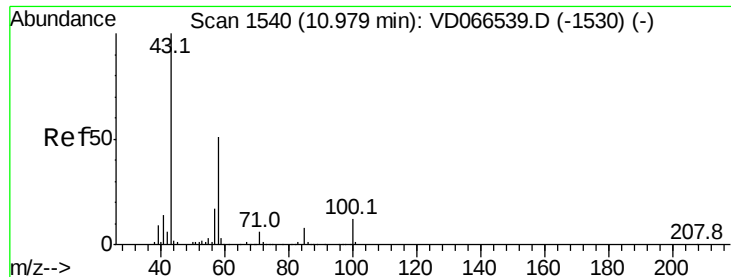
106 28.9 22.0 33.0



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

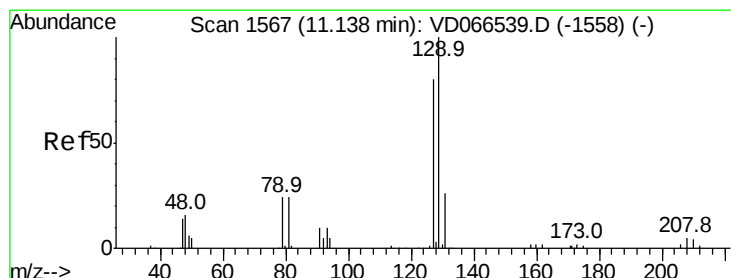
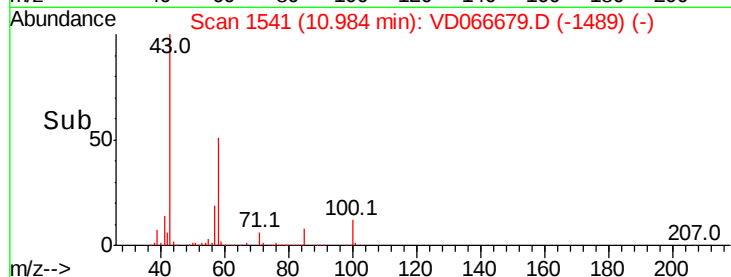
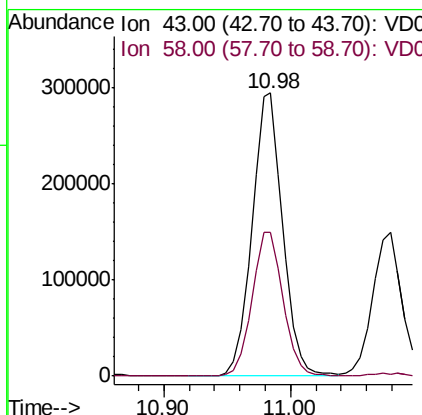
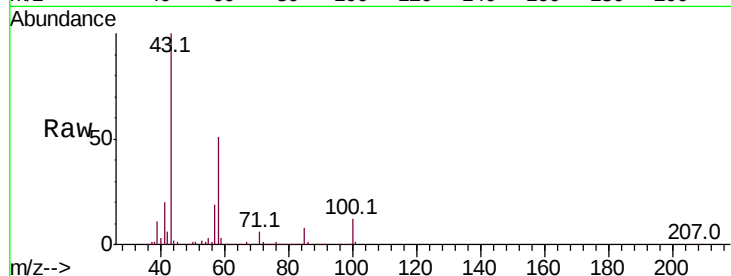




#59
2-Hexanone
Concen: 288.393 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.01 min
Lab File: VD066679.D
Acq: 14 Sep 2020 18:48

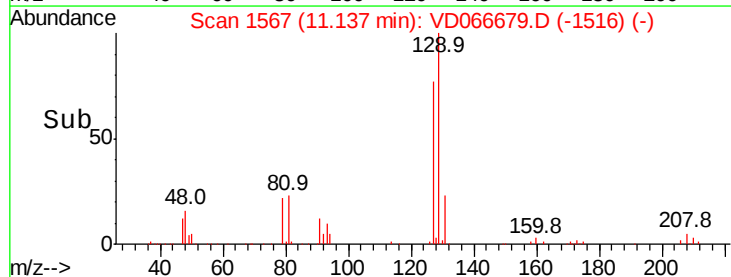
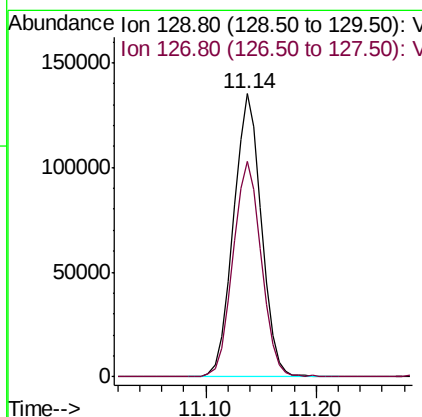
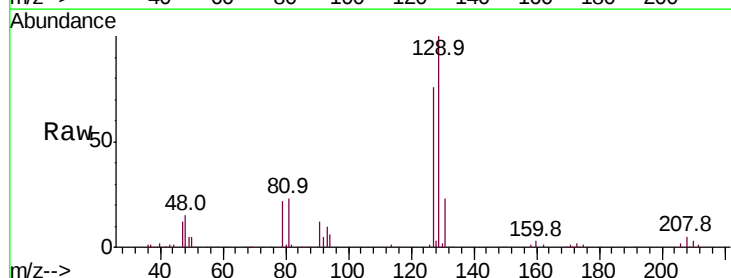
Instrument :
MSVOA_D
ClientSampleId :

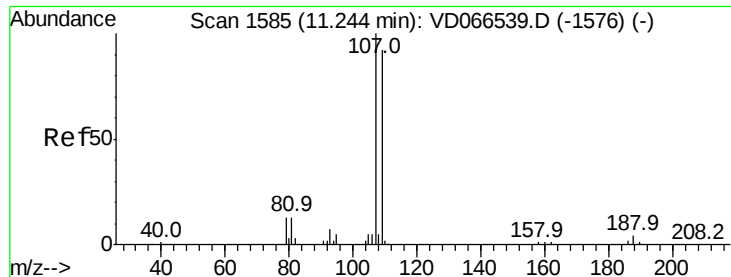
Tot Ion: 43 Resp: 494943
Ion Ratio Lower Upper
43 100
58 51.6 25.6 76.8



#60
Dibromochloromethane
Concen: 56.083 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066679.D
Acq: 14 Sep 2020 18:48

Tgt Ion: 129 Resp: 240277
Ion Ratio Lower Upper
129 100
127 77.1 39.5 118.3

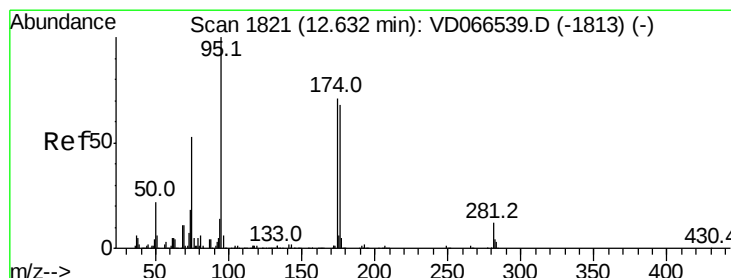
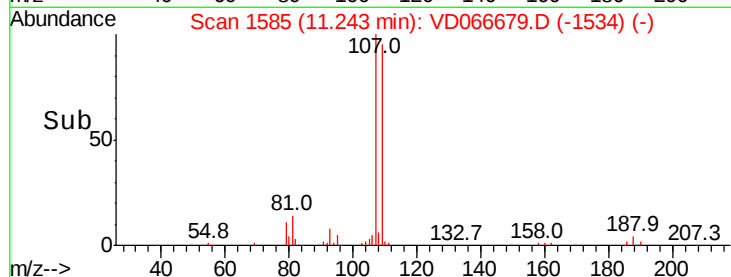
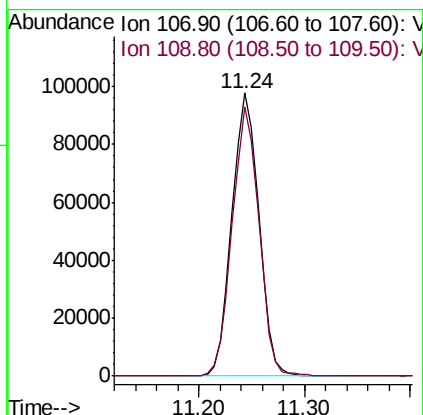
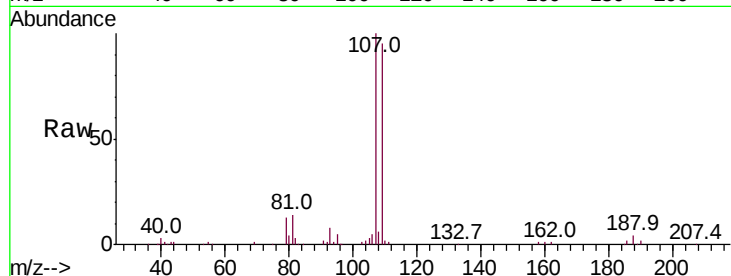




#61
 1,2-Dibromoethane
 Concen: 54.769 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD066679.D
 Acq: 14 Sep 2020 18:48

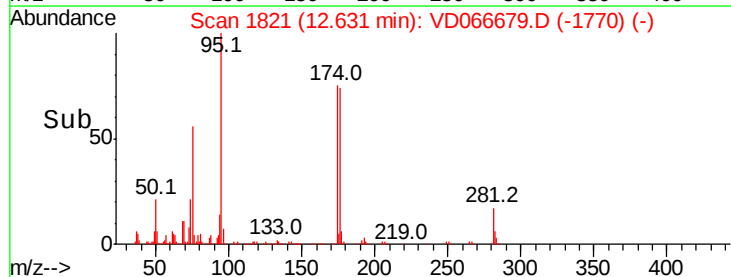
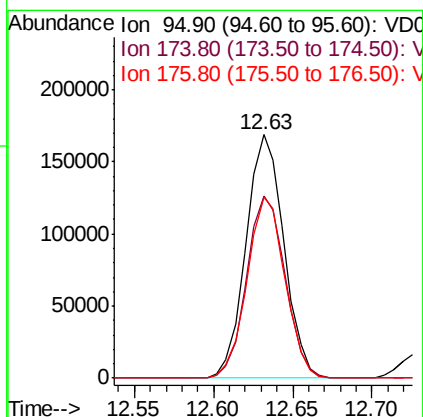
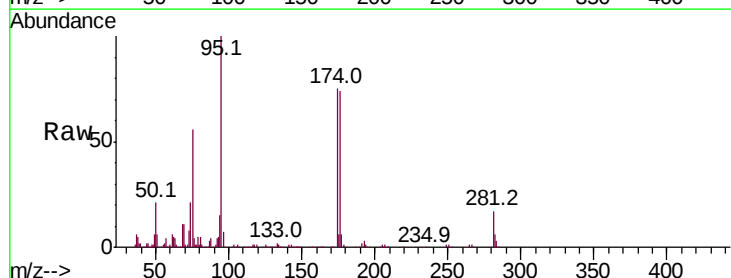
Instrument :
 MSVOA_D
 ClientSampleId :

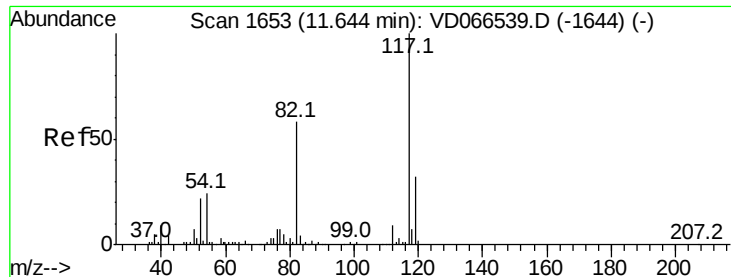
Tot Ion:107 Resp: 172633
 Ion Ratio Lower Upper
 107 100
 109 94.5 74.4 111.6



#62
 4-Bromofluorobenzene
 Concen: 55.048 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066679.D
 Acq: 14 Sep 2020 18:48

Tgt Ion: 95 Resp: 280440
 Ion Ratio Lower Upper
 95 100
 174 76.0 0.0 155.8
 176 74.3 0.0 148.6

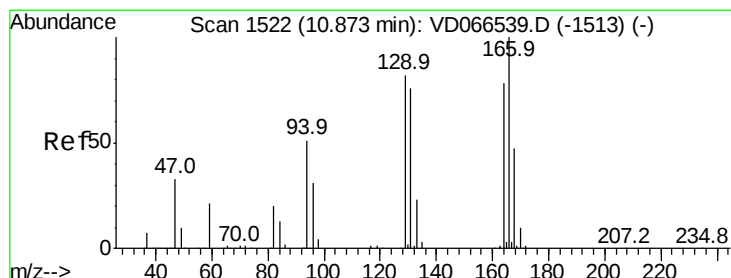
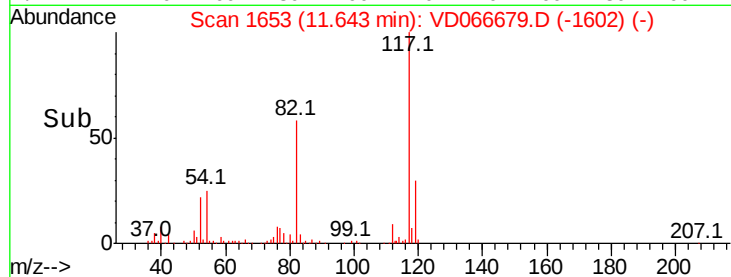
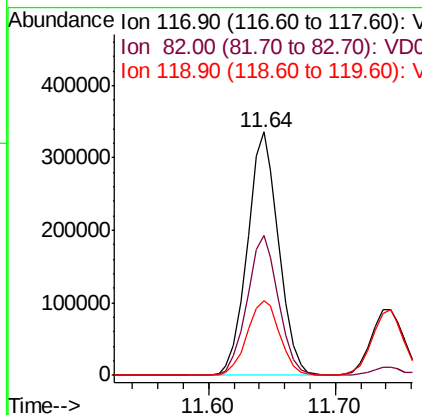
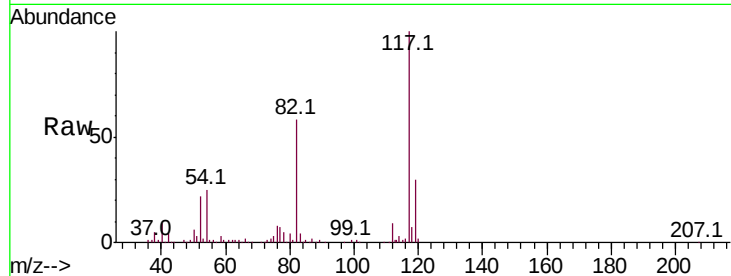




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066679.D
Acq: 14 Sep 2020 18:48

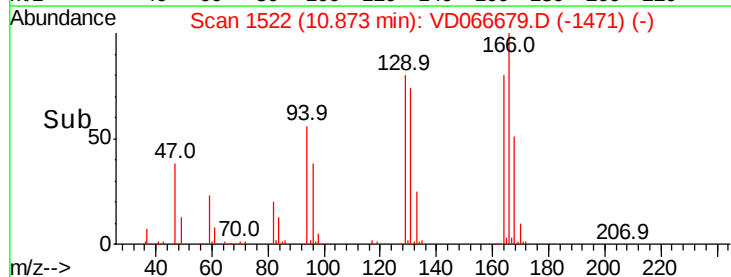
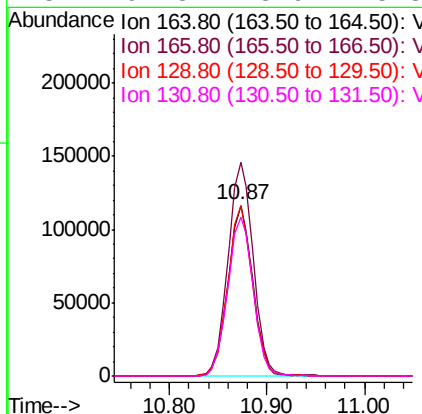
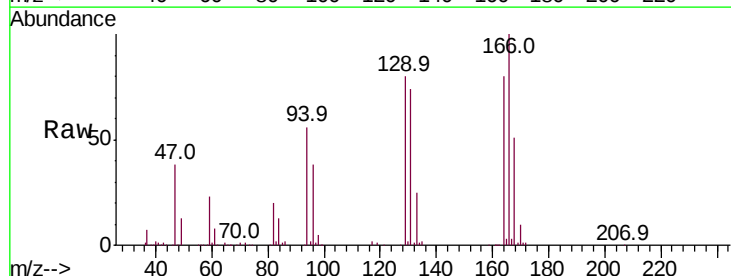
Instrument :
MSVOA_D
ClientSampled :

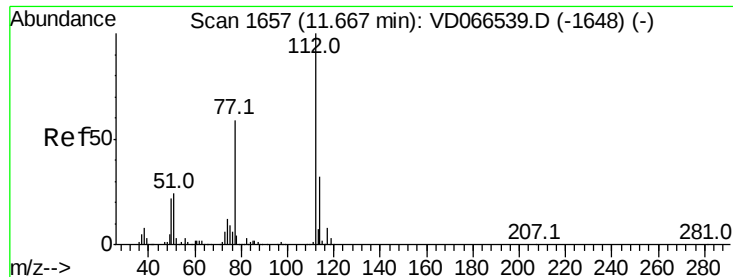
Tot Ion:117 Resp: 574117
Ion Ratio Lower Upper
117 100
82 57.6 46.2 69.2
119 30.5 25.8 38.8



#64
Tetrachloroethene
Concen: 53.268 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066679.D
Acq: 14 Sep 2020 18:48

Tgt Ion:164 Resp: 205909
Ion Ratio Lower Upper
164 100
166 125.1 103.2 154.8
129 99.9 84.5 126.7
131 92.8 78.9 118.3





#65

Chlorobenzene

Concen: 53.902 ug/l

RT: 11.67 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VD066679.D

Acq: 14 Sep 2020 18:48

Instrument :

MSVOA_D

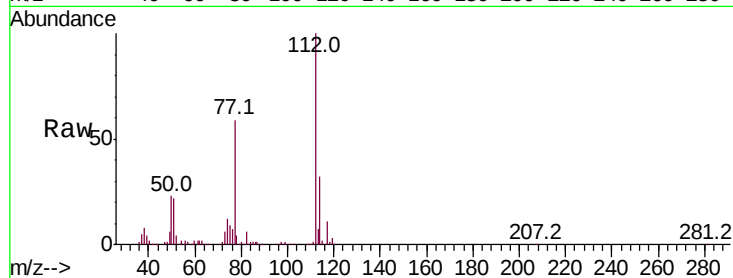
ClientSampleId :

Tot Ion:112 Resp: 638703

Ion Ratio Lower Upper

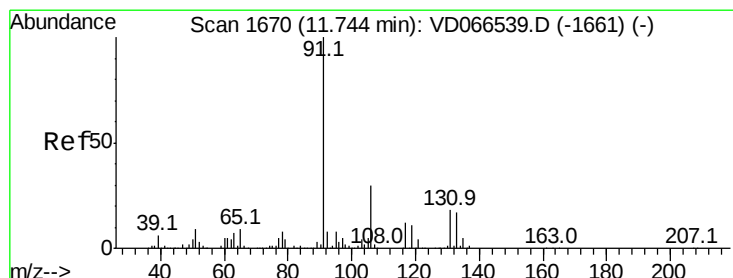
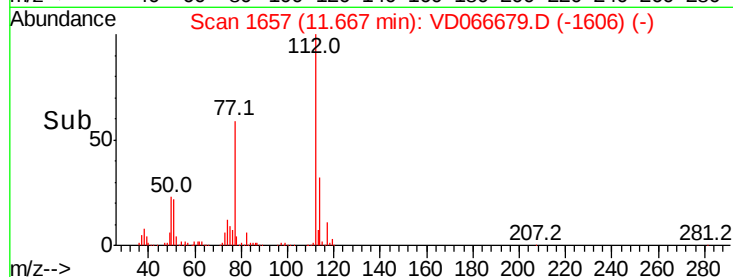
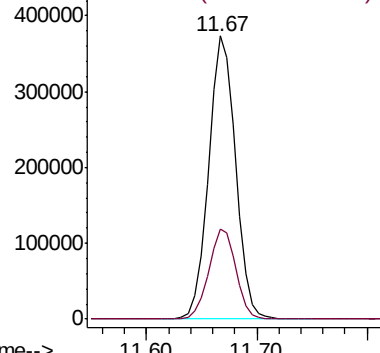
112 100

114 31.7 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 55.164 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD066679.D

Acq: 14 Sep 2020 18:48

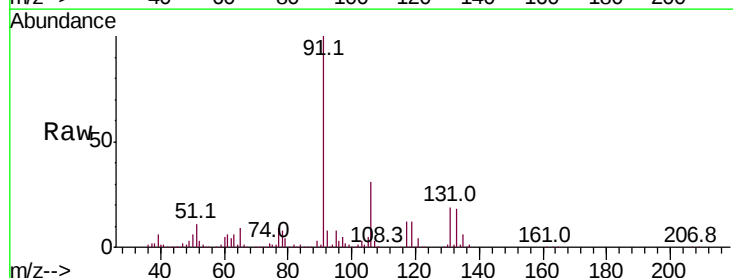
Tgt Ion:131 Resp: 249470

Ion Ratio Lower Upper

131 100

133 95.9 46.7 140.0

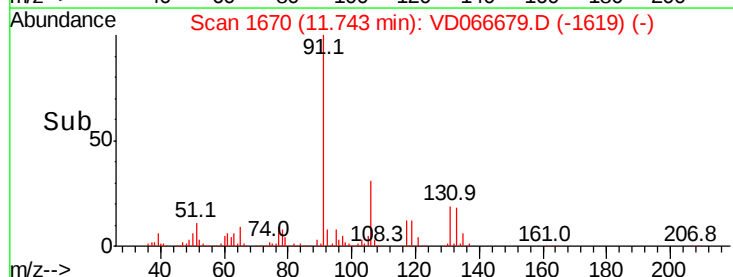
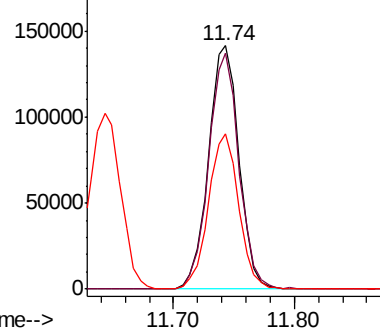
119 63.3 31.9 95.7

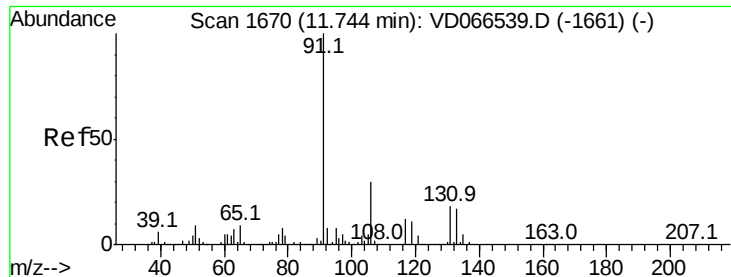


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 55.370 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD066679.D

Acq: 14 Sep 2020 18:48

Instrument :

MSVOA_D

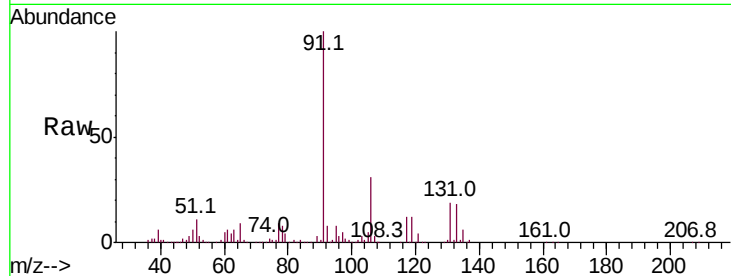
ClientSampleId :

Tot Ion: 91 Resp: 1204706

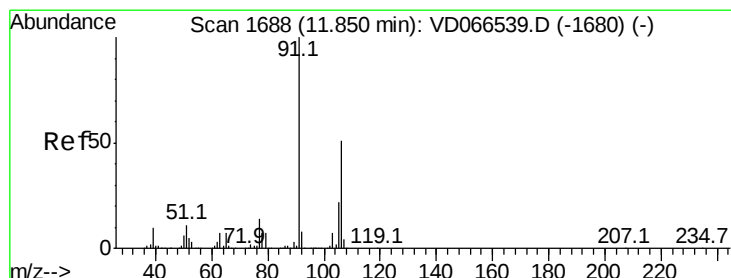
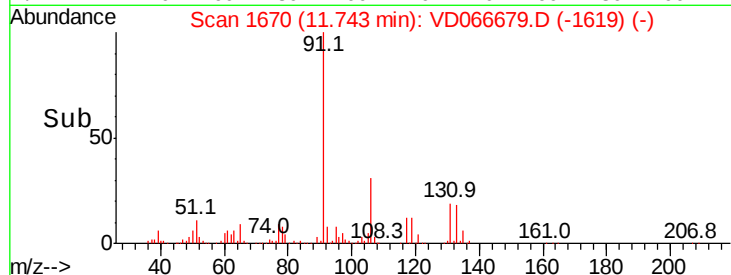
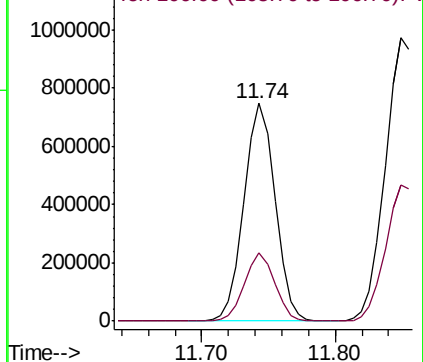
Ion Ratio Lower Upper

91 100

106 31.4 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 111.765 ug/l

RT: 11.85 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VD066679.D

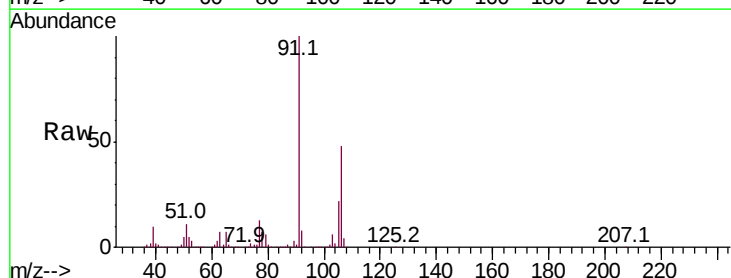
Acq: 14 Sep 2020 18:48

Tgt Ion:106 Resp: 902919

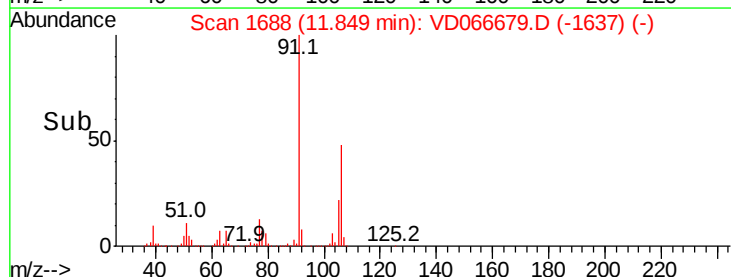
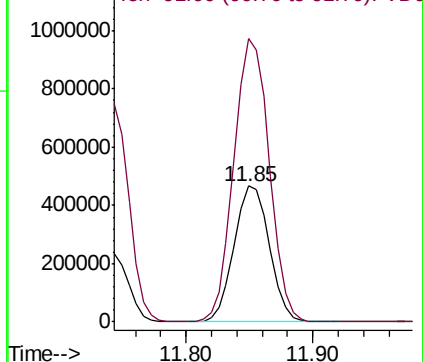
Ion Ratio Lower Upper

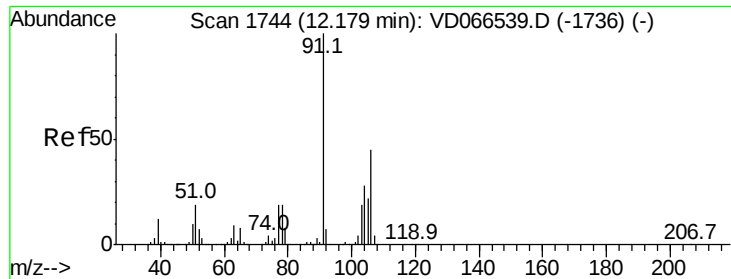
106 100

91 208.8 162.4 243.6



Abundance Ion 106.00 (105.70 to 106.70): V

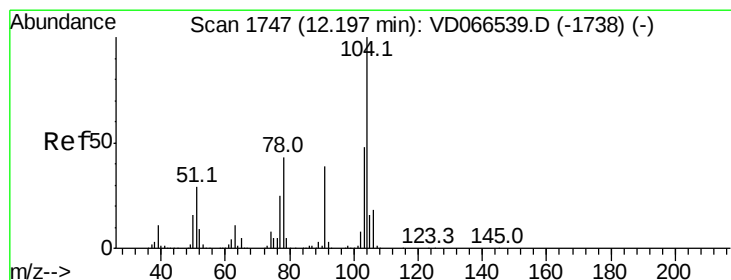
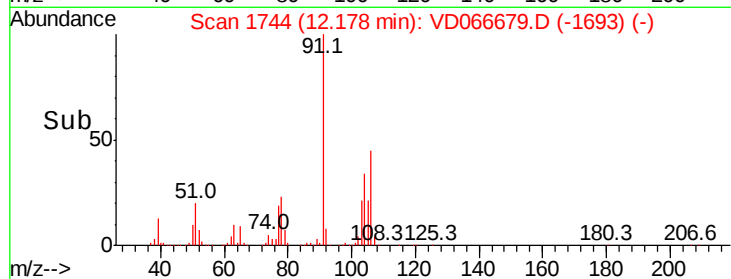
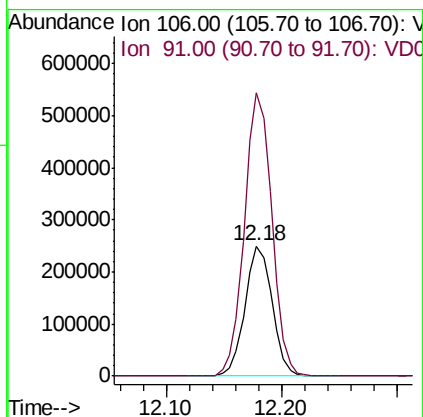
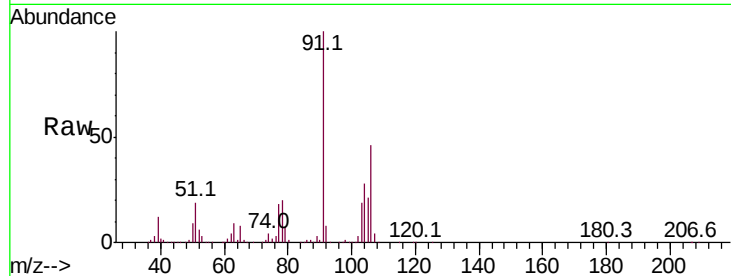




#69
o-Xylene
Concen: 56.539 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066679.D
Acq: 14 Sep 2020 18:48

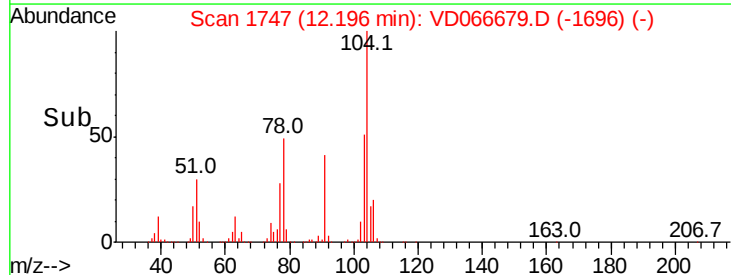
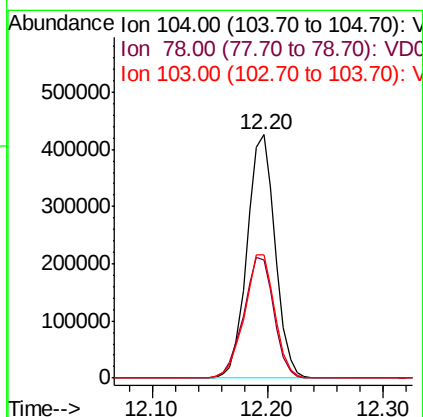
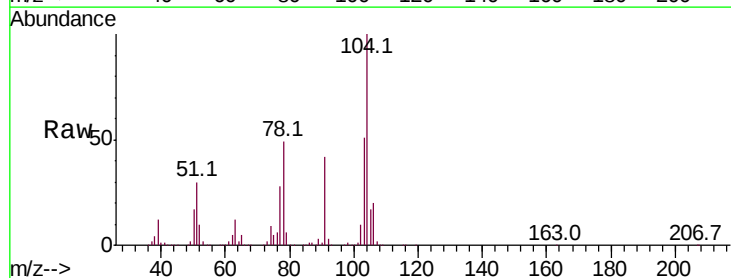
Instrument :
MSVOA_D
ClientSampled :

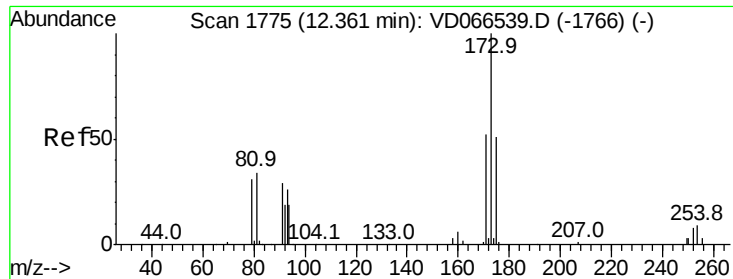
Tot Ion:106 Resp: 409349
Ion Ratio Lower Upper
106 100
91 219.7 107.9 323.8



#70
Styrene
Concen: 57.035 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD066679.D
Acq: 14 Sep 2020 18:48

Tgt Ion:104 Resp: 717897
Ion Ratio Lower Upper
104 100
78 53.8 40.7 61.1
103 54.6 42.9 64.3





#71

Bromoform

Concen: 56.012 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD066679.D

Acq: 14 Sep 2020 18:48

Instrument :

MSVOA_D

ClientSampled :

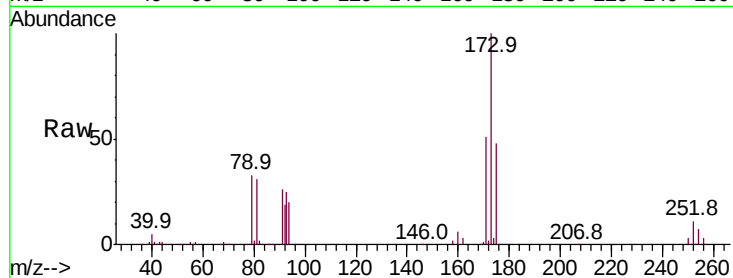
Tot Ion:173 Resp: 127658

Ion Ratio Lower Upper

173 100

175 49.1 24.2 72.6

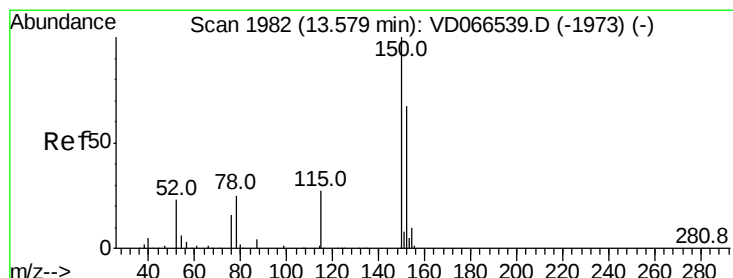
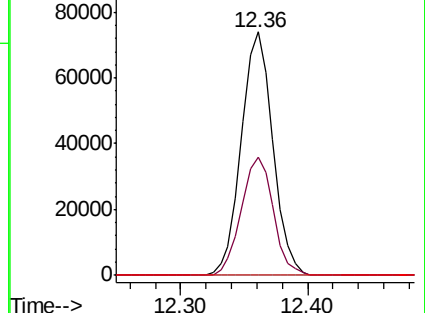
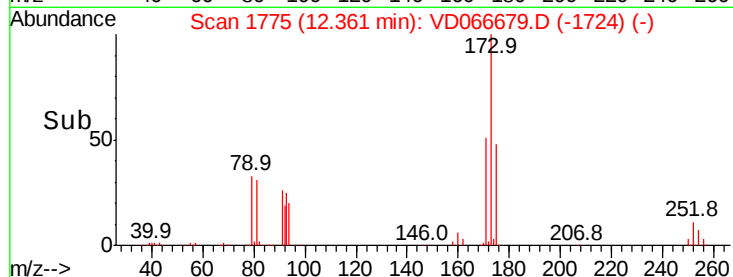
254 0.0 0.0 0.0



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: VD066679.D

Acq: 14 Sep 2020 18:48

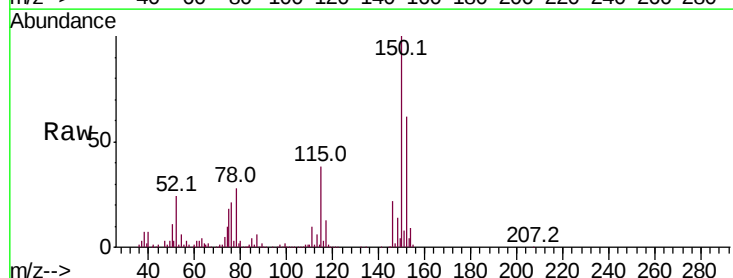
Tgt Ion:152 Resp: 271300

Ion Ratio Lower Upper

152 100

115 62.0 30.4 91.2

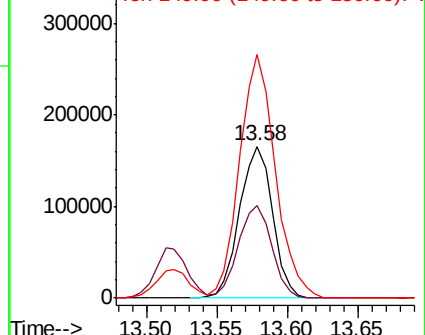
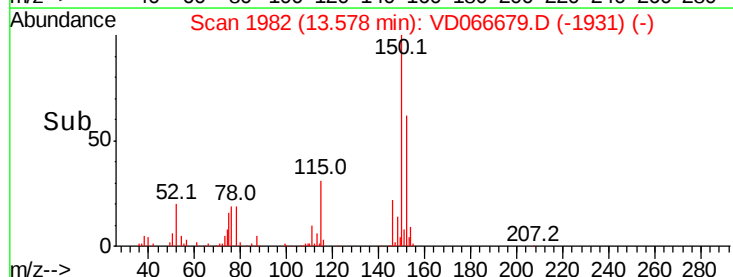
150 173.6 0.0 345.8

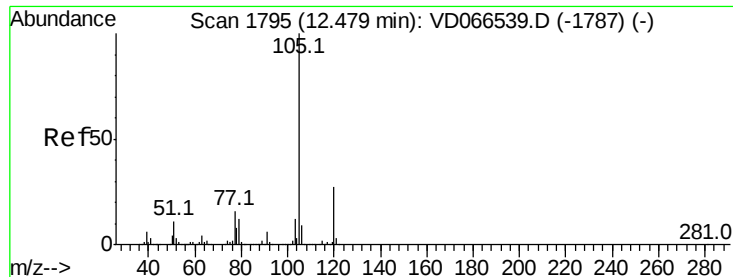


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 57.924 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066679.D

Acq: 14 Sep 2020 18:48

Instrument :

MSVOA_D

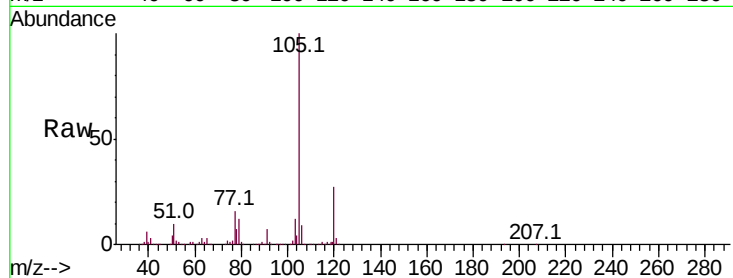
ClientSampleId :

Tot Ion:105 Resp: 1163507

Ion Ratio Lower Upper

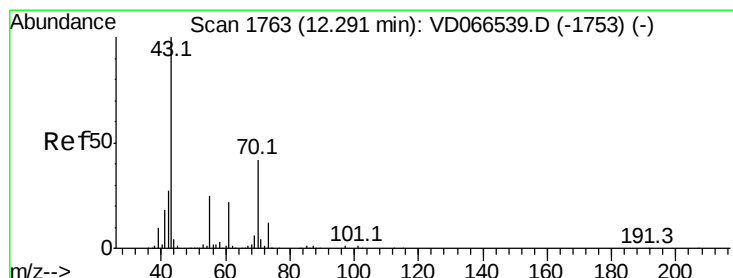
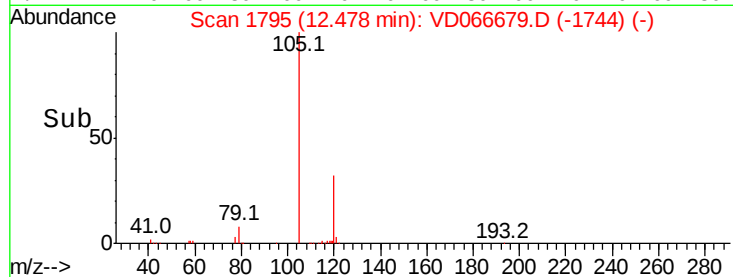
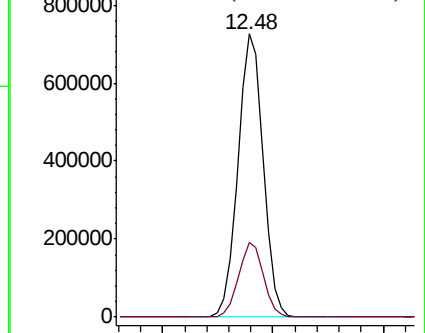
105 100

120 26.1 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 57.584 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD066679.D

Acq: 14 Sep 2020 18:48

Tgt Ion: 43 Resp: 261973

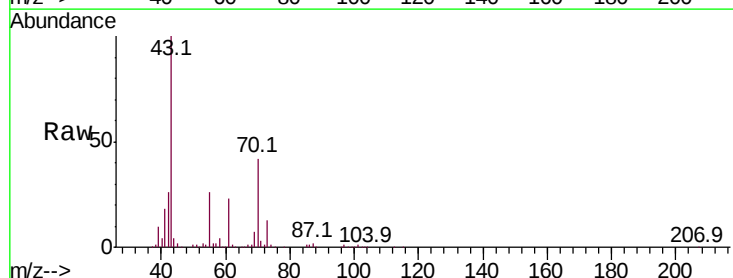
Ion Ratio Lower Upper

43 100

70 41.1 33.4 50.2

55 25.3 20.1 30.1

61 22.8 18.2 27.2

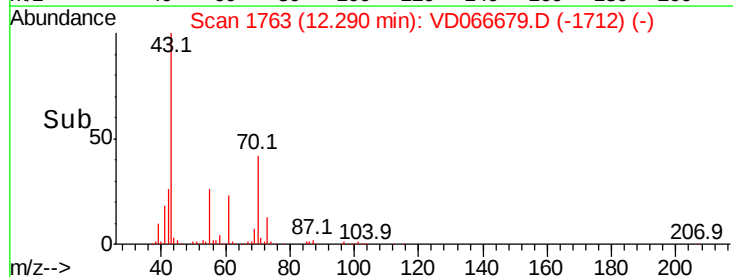
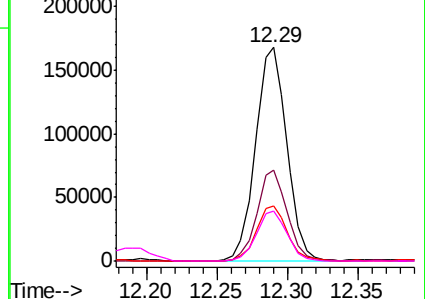


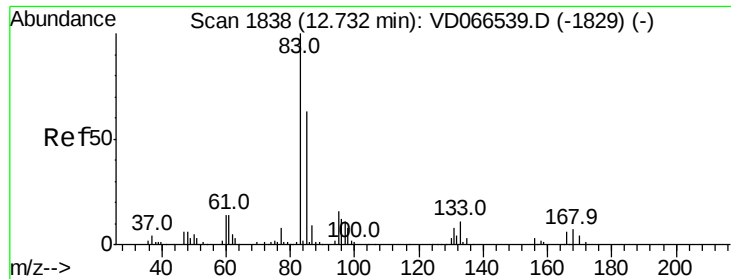
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 54.286 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066679.D

Acq: 14 Sep 2020 18:48

Instrument :

MSVOA_D

ClientSampleId :

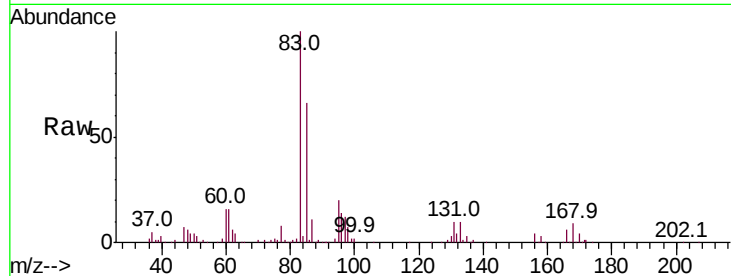
Tot Ion: 83 Resp: 192644

Ion Ratio Lower Upper

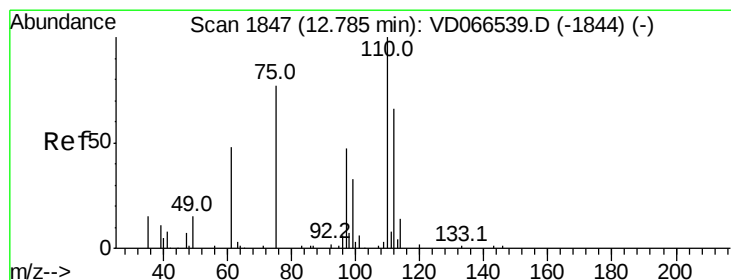
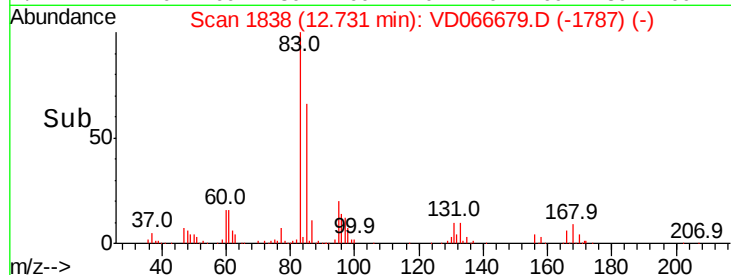
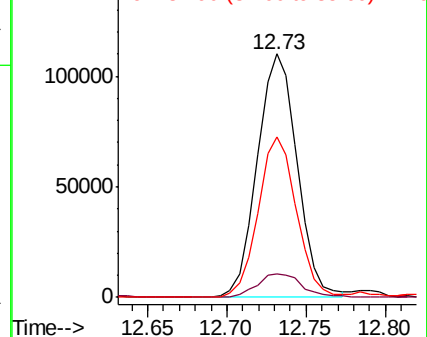
83 100

131 11.0 5.0 15.0

85 63.2 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: 100.517 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD066679.D

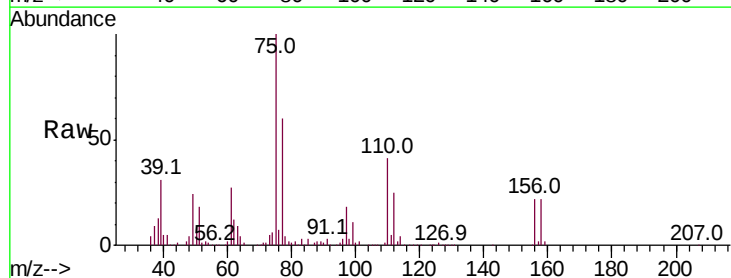
Acq: 14 Sep 2020 18:48

Tgt Ion: 75 Resp: 262266

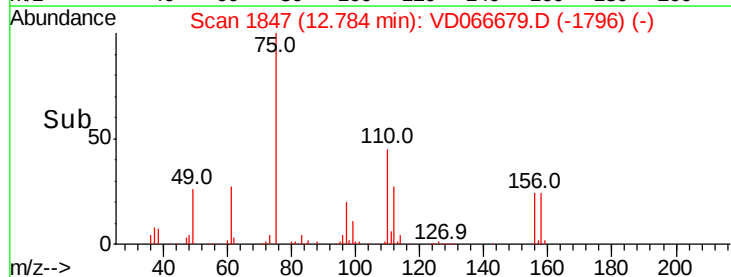
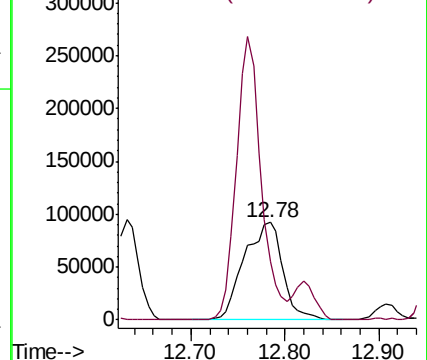
Ion Ratio Lower Upper

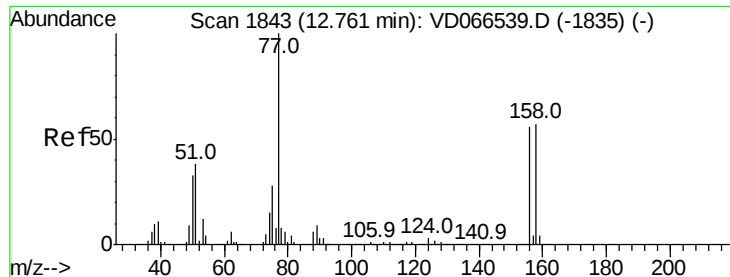
75 100

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: 56.339 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD066679.D

Acq: 14 Sep 2020 18:48

Instrument :

MSVOA_D

ClientSampleId :

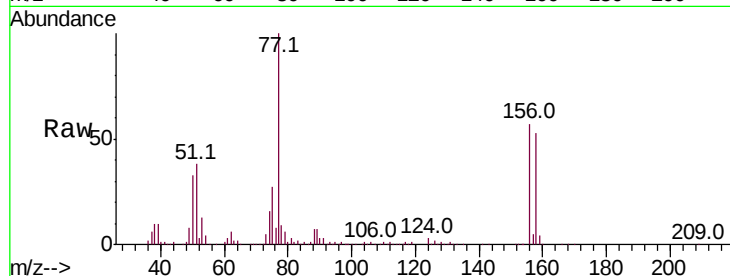
Tot Ion:156 Resp: 252299

Ion Ratio Lower Upper

156 100

77 195.3 98.0 294.1

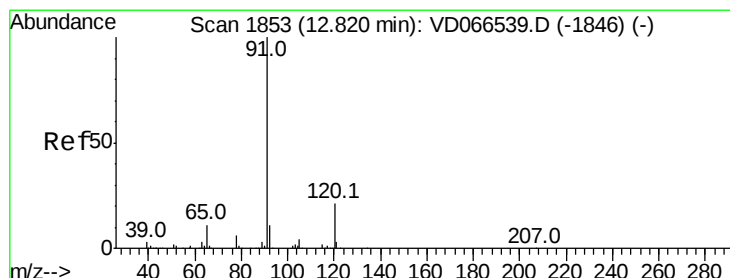
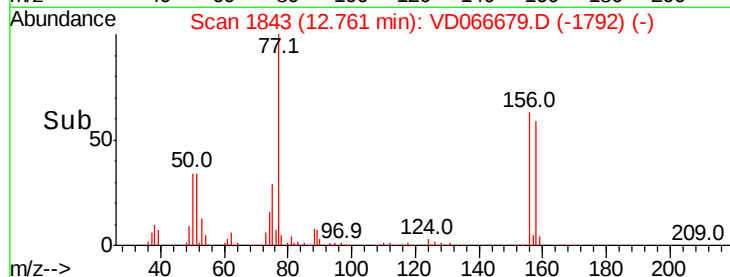
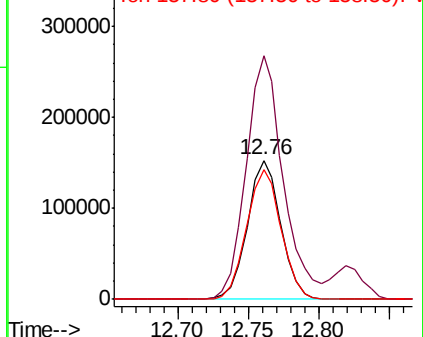
158 96.3 48.1 144.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 57.251 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD066679.D

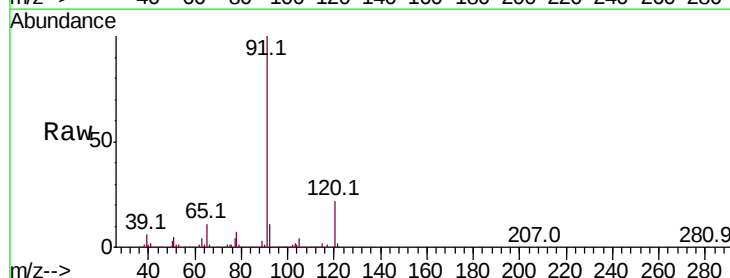
Acq: 14 Sep 2020 18:48

Tgt Ion: 91 Resp: 1394067

Ion Ratio Lower Upper

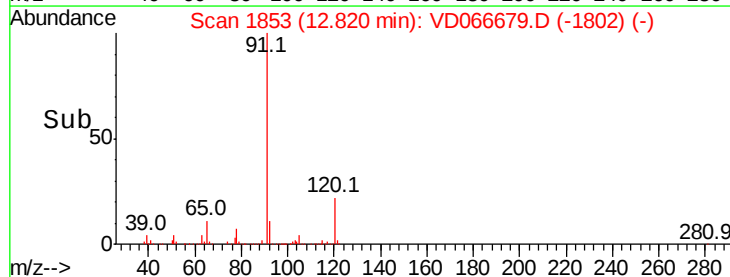
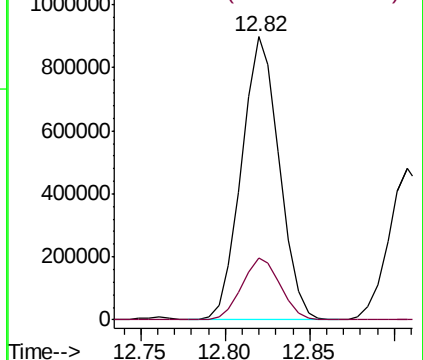
91 100

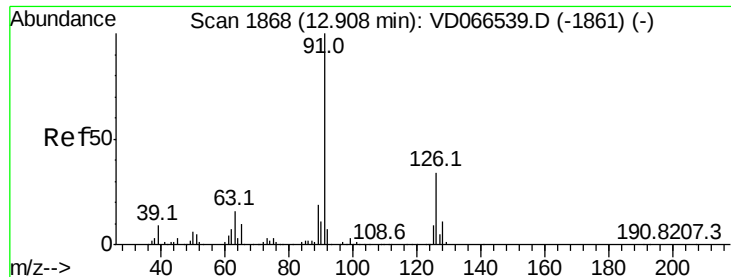
120 22.2 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 57.470 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD066679.D

Acq: 14 Sep 2020 18:48

Instrument :

MSVOA_D

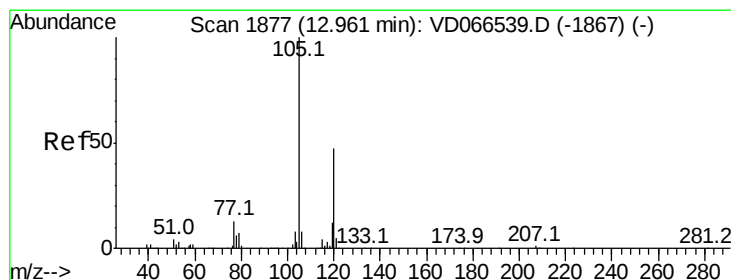
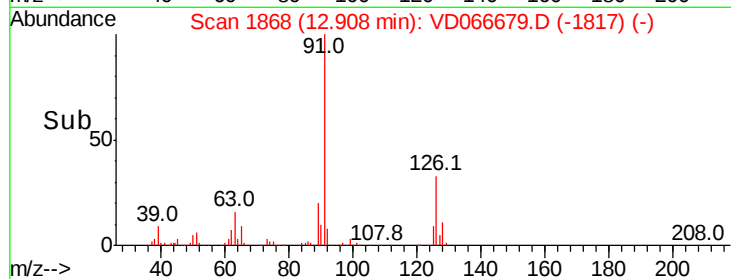
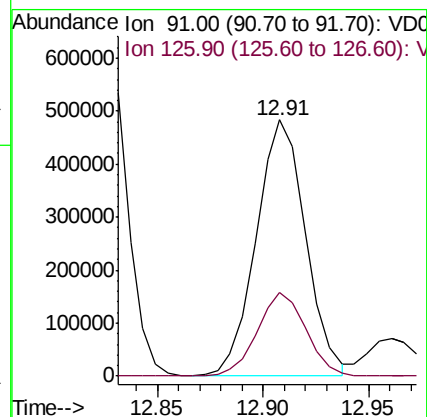
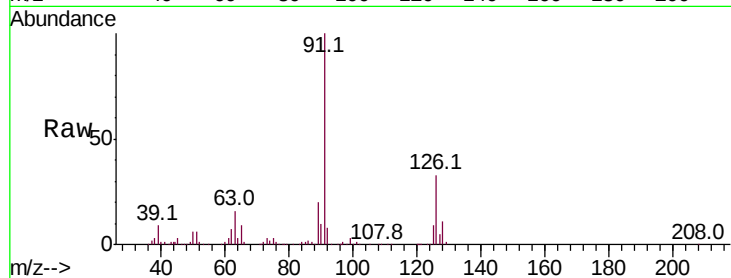
ClientSampled :

Tot Ion: 91 Resp: 785066

Ion Ratio Lower Upper

91 100

126 32.2 16.4 49.4



#80

1,3,5-Trimethylbenzene

Concen: 58.254 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD066679.D

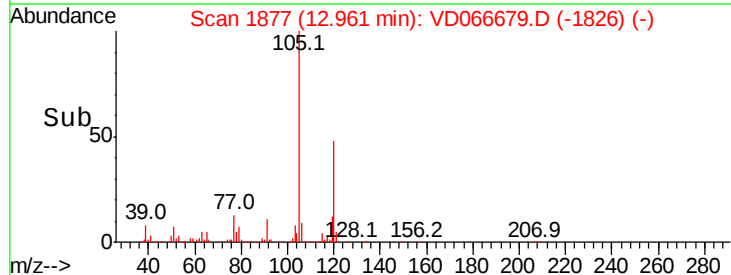
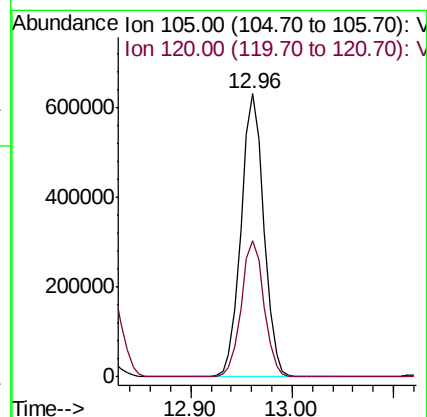
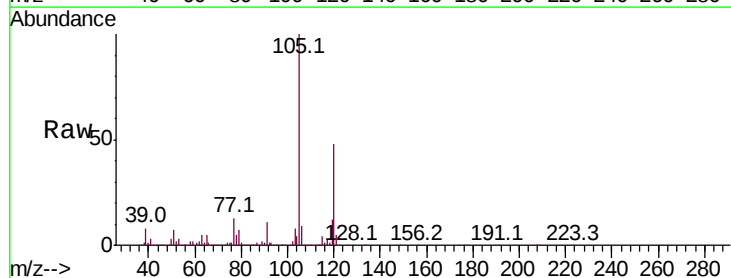
Acq: 14 Sep 2020 18:48

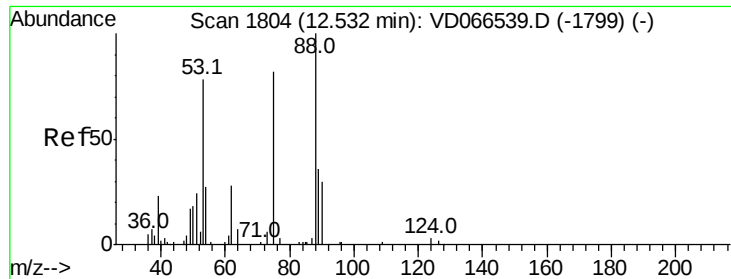
Tgt Ion:105 Resp: 984871

Ion Ratio Lower Upper

105 100

120 48.0 23.9 71.8





#81

trans-1,4-Dichloro-2-butene

Concen: 55.815 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD066679.D

Acq: 14 Sep 2020 18:48

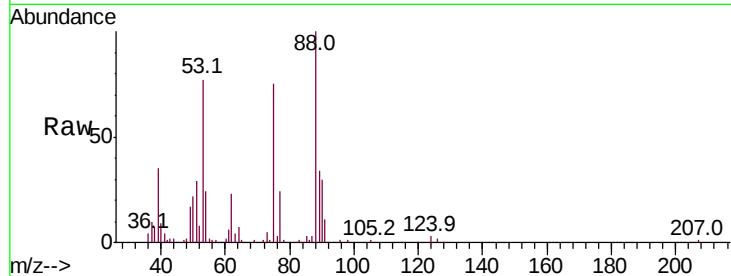
Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 75 Resp: 62378

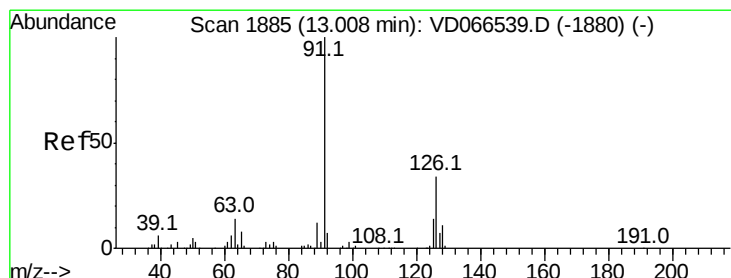
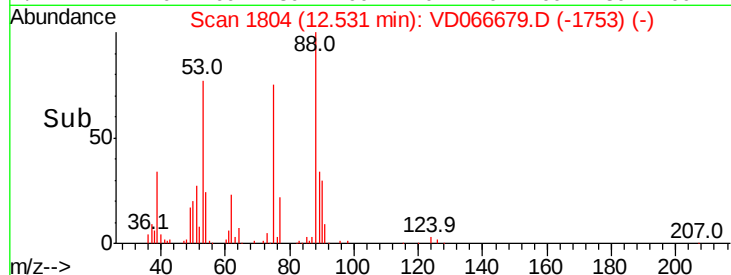
Ion	Ratio	Lower	Upper
75	100		
53	108.7	87.0	130.4
89	46.5	37.1	55.7



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: 56.143 ug/l

RT: 13.01 min Scan# 1885

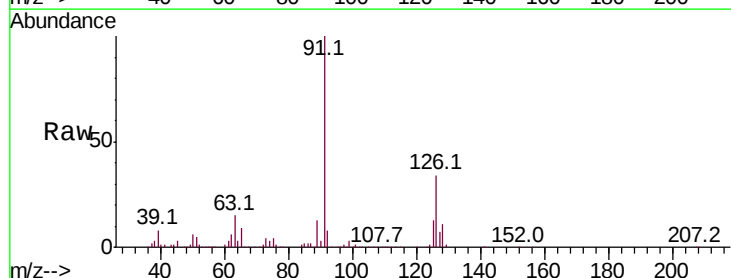
Delta R.T. -0.00 min

Lab File: VD066679.D

Acq: 14 Sep 2020 18:48

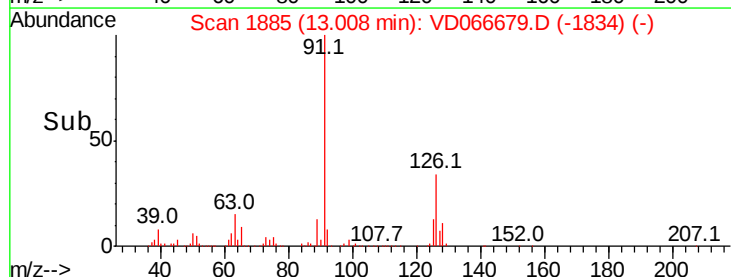
Tgt Ion: 91 Resp: 820143

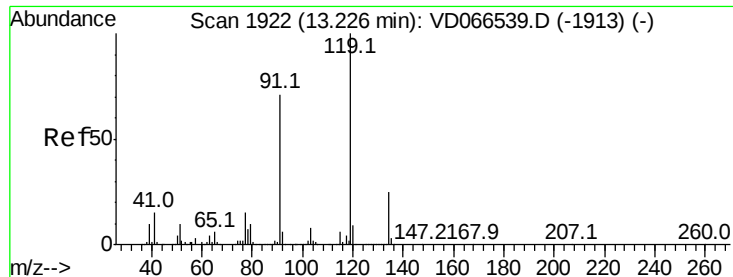
Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.4	49.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

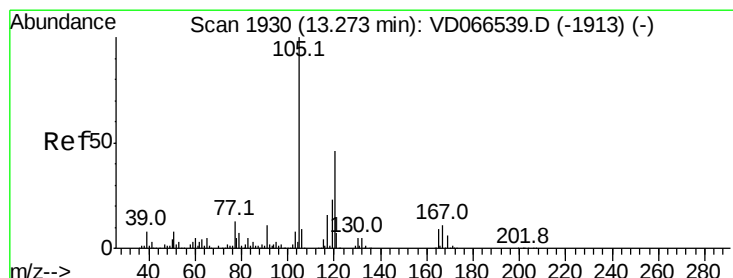
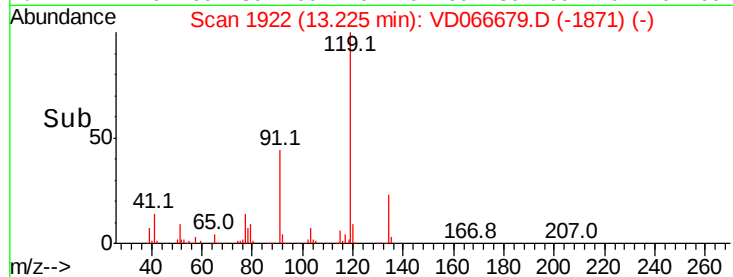
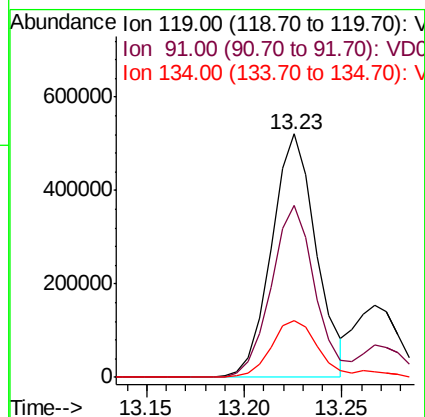
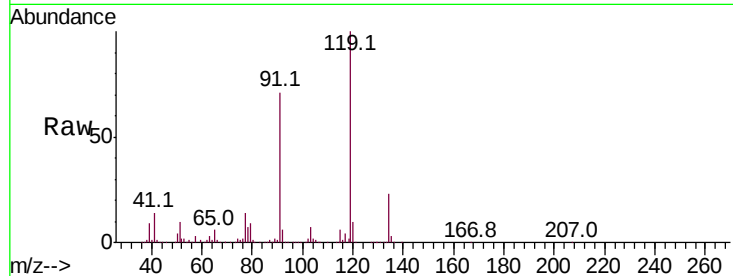




#83
 tert-Butylbenzene
 Concen: 59.537 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VD066679.D
 Acq: 14 Sep 2020 18:48

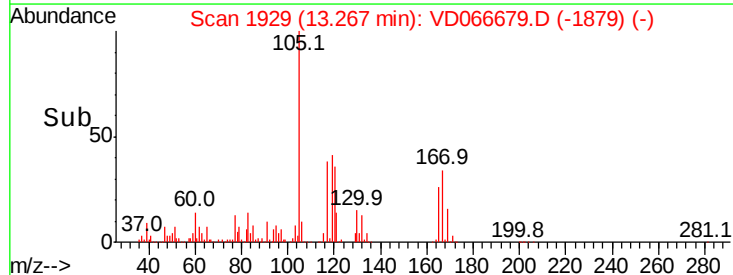
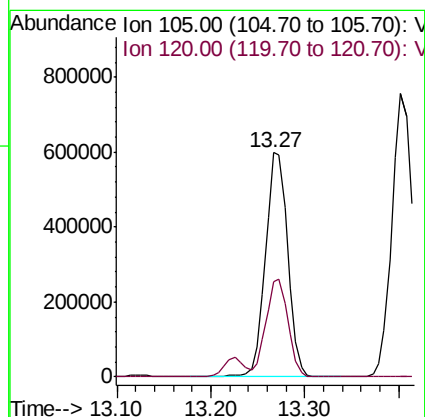
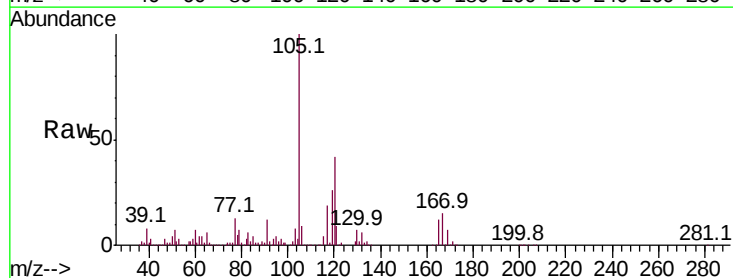
Instrument :
 MSVOA_D
 ClientSampleId :

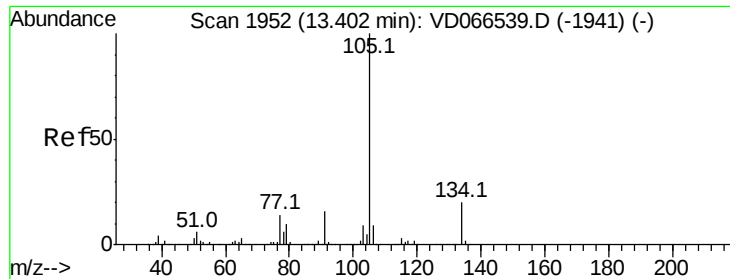
Tot Ion:119 Resp: 821960
 Ion Ratio Lower Upper
 119 100
 91 70.0 35.2 105.6
 134 24.3 13.5 40.5



#84
 1,2,4-Trimethylbenzene
 Concen: 58.342 ug/l
 RT: 13.27 min Scan# 1929
 Delta R.T. -0.01 min
 Lab File: VD066679.D
 Acq: 14 Sep 2020 18:48

Tgt Ion:105 Resp: 982035
 Ion Ratio Lower Upper
 105 100
 120 43.0 22.6 67.7





#85

sec-Butylbenzene

Concen: 58.730 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD066679.D

Acq: 14 Sep 2020 18:48

Instrument :

MSVOA_D

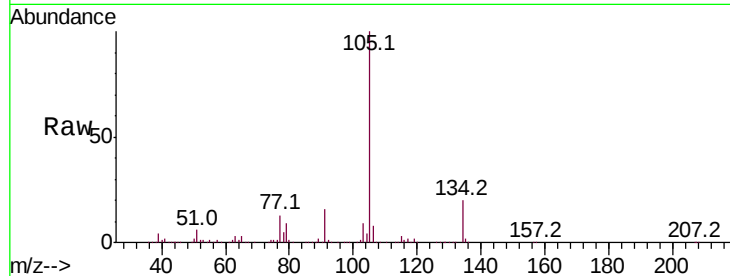
ClientSampleId :

Tot Ion:105 Resp: 1168187

Ion Ratio Lower Upper

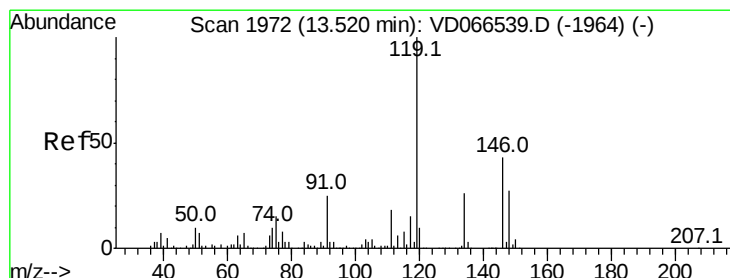
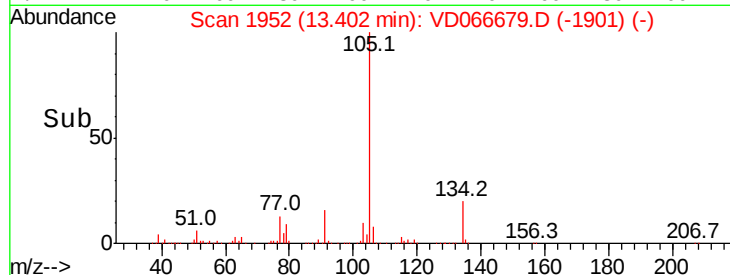
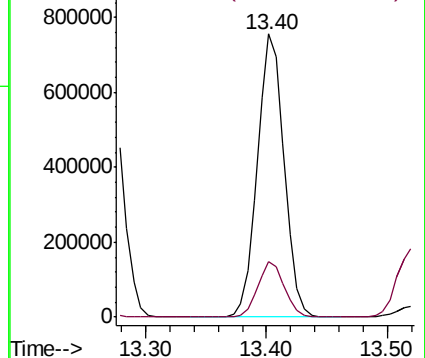
105 100

134 19.4 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: 59.439 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066679.D

Acq: 14 Sep 2020 18:48

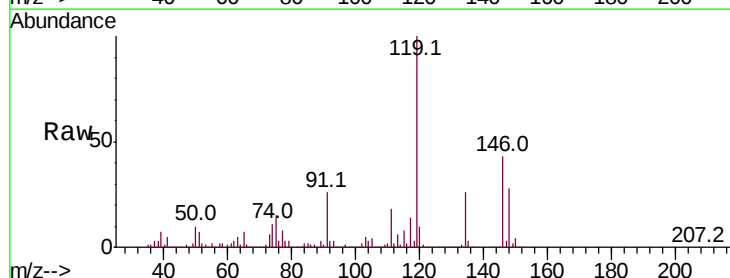
Tgt Ion:119 Resp: 1064135

Ion Ratio Lower Upper

119 100

134 25.5 12.7 38.0

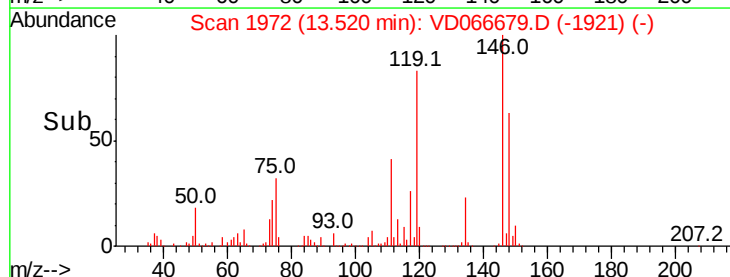
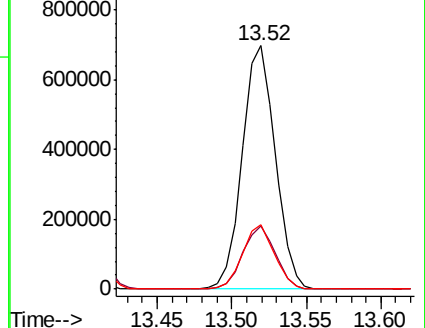
91 25.7 12.5 37.5

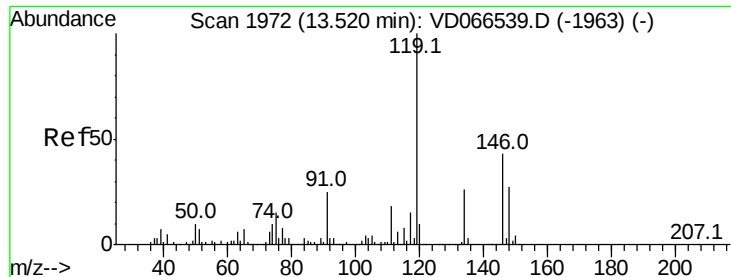


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 55.924 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

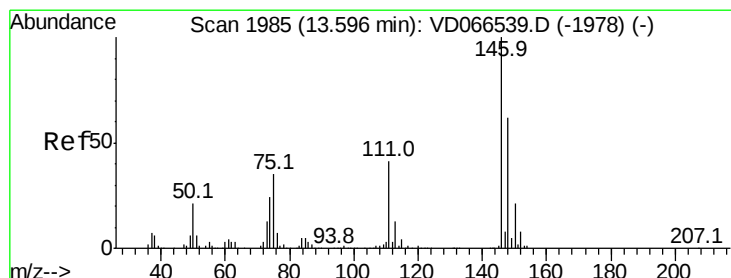
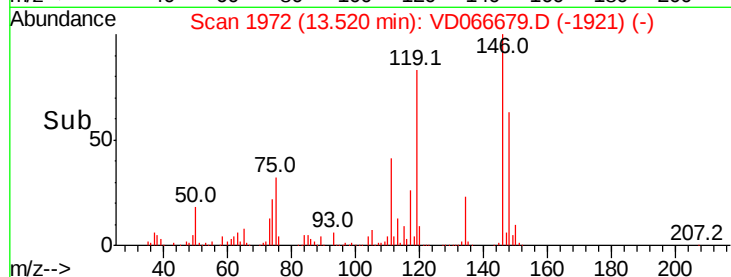
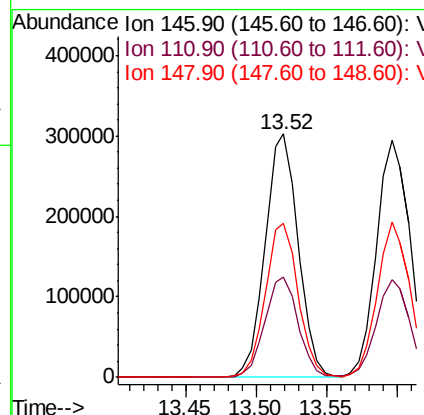
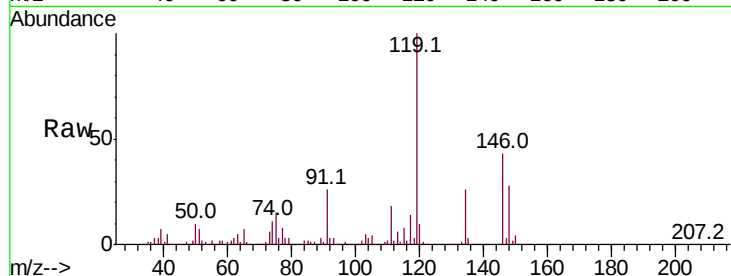
Lab File: VD066679.D

Acq: 14 Sep 2020 18:48

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:146 Resp: 497185

Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.6	61.9
148	63.2	32.1	96.3



#88

1,4-Dichlorobenzene

Concen: 54.530 ug/l

RT: 13.60 min Scan# 1985

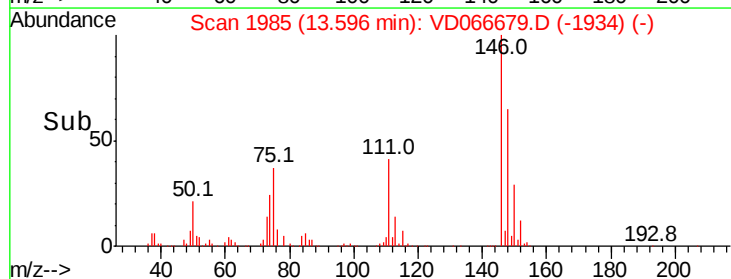
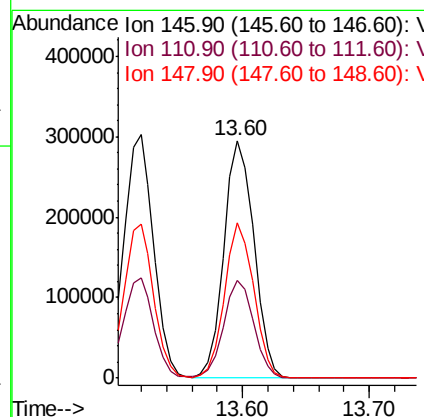
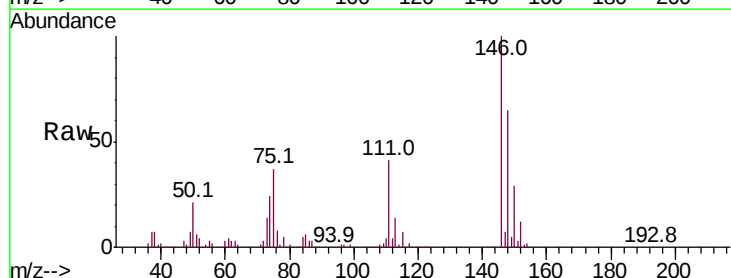
Delta R.T. -0.00 min

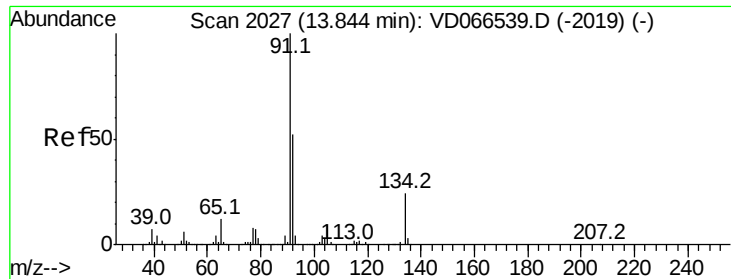
Lab File: VD066679.D

Acq: 14 Sep 2020 18:48

Tgt Ion:146 Resp: 486590

Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.1	60.2
148	63.5	31.6	94.8

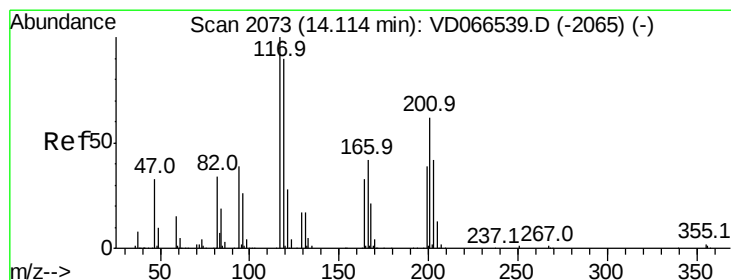
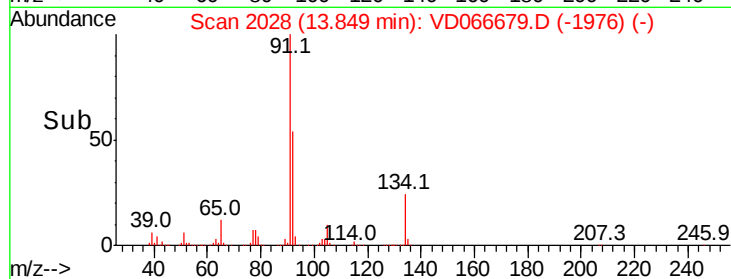
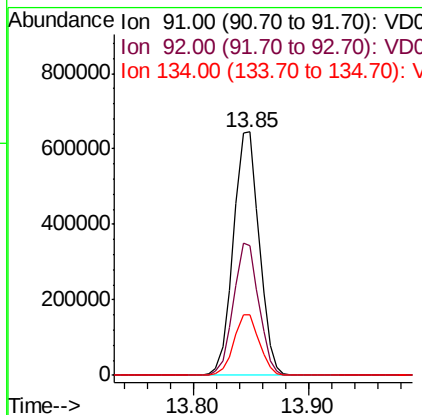
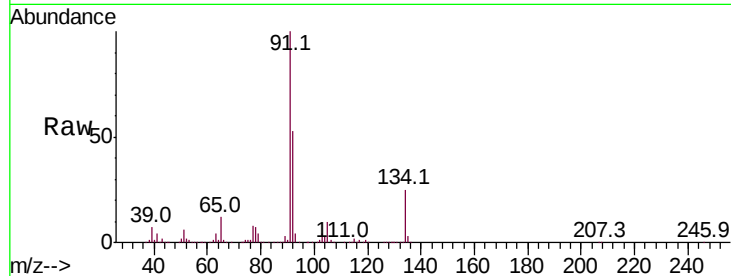




#89
n-Butylbenzene
Concen: 57.487 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD066679.D
Acq: 14 Sep 2020 18:48

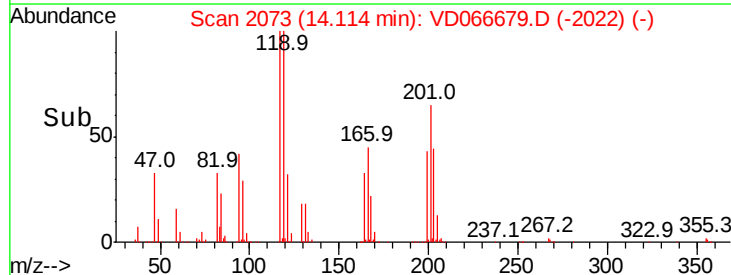
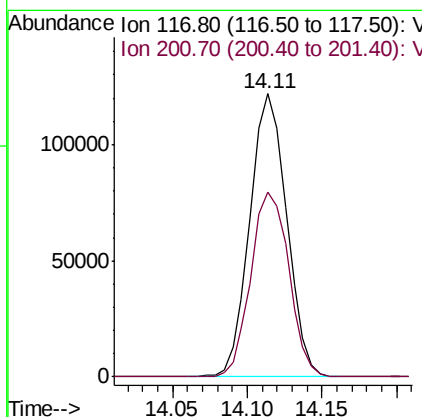
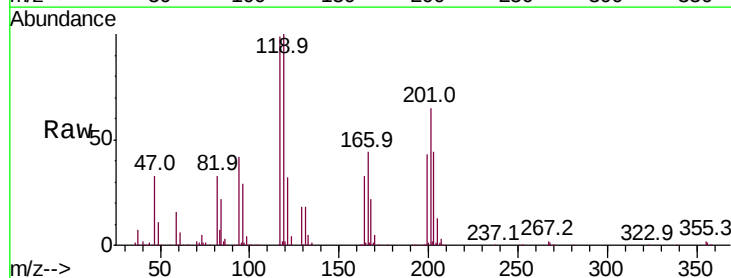
Instrument :
MSVOA_D
ClientSampleId :

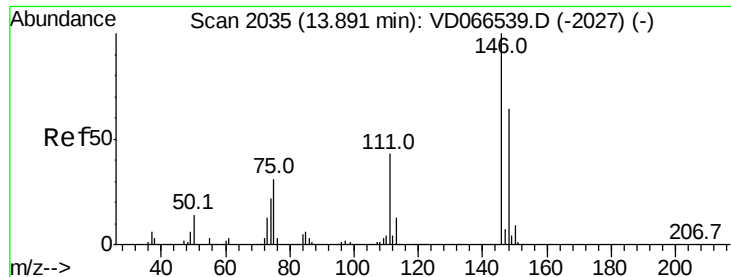
Tot Ion: 91 Resp: 1002930
Ion Ratio Lower Upper
91 100
92 53.1 26.5 79.5
134 24.4 12.1 36.3



#90
Hexachloroethane
Concen: 53.957 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD066679.D
Acq: 14 Sep 2020 18:48

Tgt Ion: 117 Resp: 208141
Ion Ratio Lower Upper
117 100
201 67.6 31.9 95.5





#91

1,2-Dichlorobenzene

Concen: 54.621 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VD066679.D

Acq: 14 Sep 2020 18:48

Instrument :

MSVOA_D

ClientSampleId :

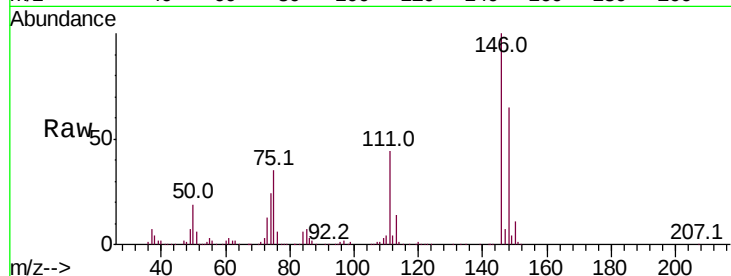
Tot Ion:146 Resp: 424452

Ion Ratio Lower Upper

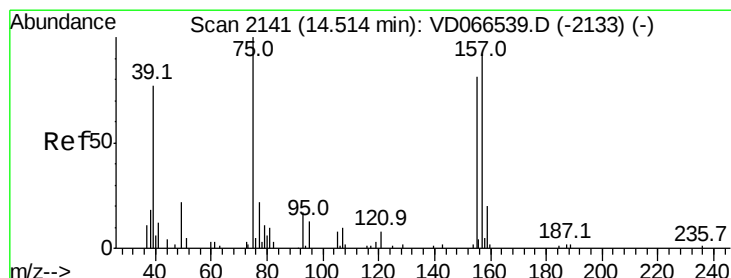
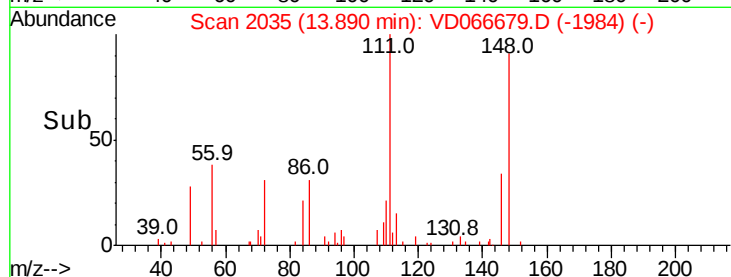
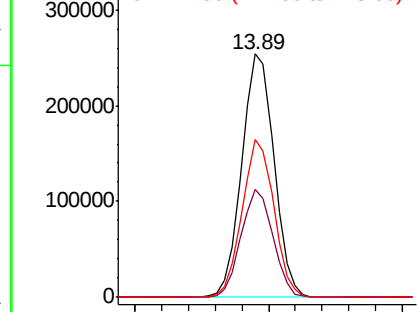
146 100

111 44.0 21.1 63.4

148 63.9 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: 54.635 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. -0.01 min

Lab File: VD066679.D

Acq: 14 Sep 2020 18:48

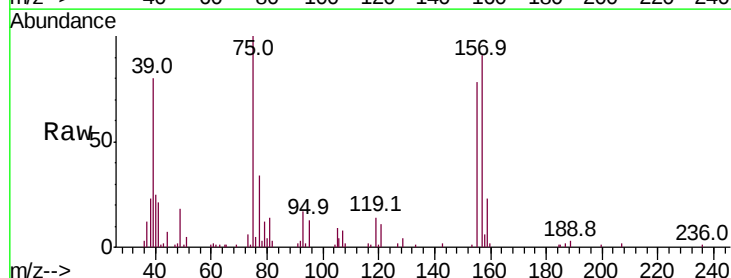
Tgt Ion: 75 Resp: 32935

Ion Ratio Lower Upper

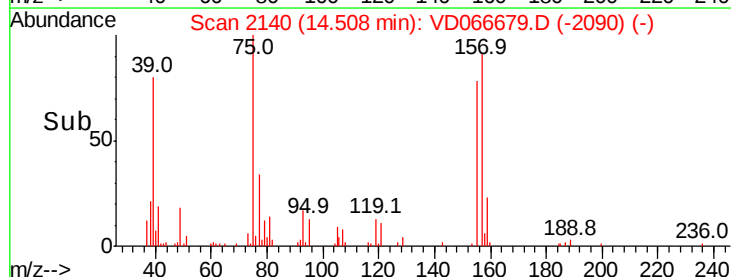
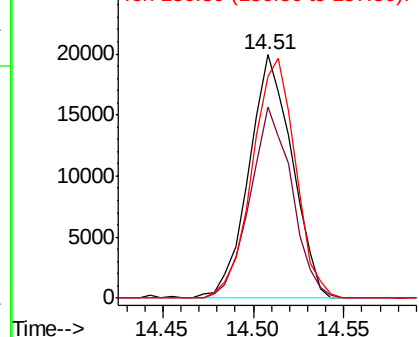
75 100

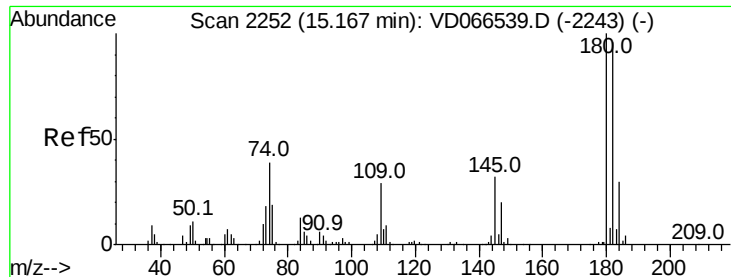
155 76.3 39.3 117.8

157 98.1 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

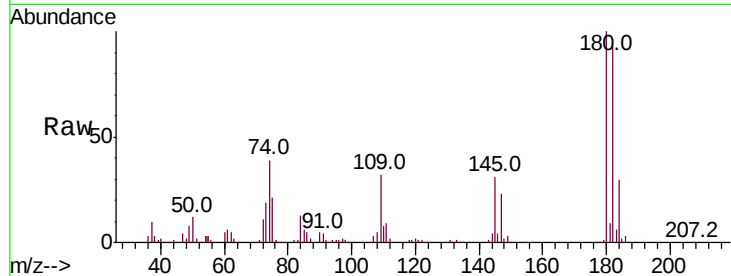




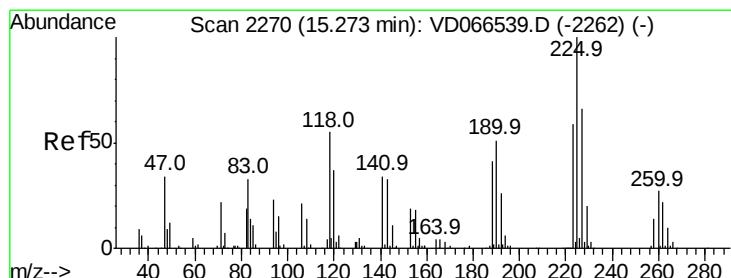
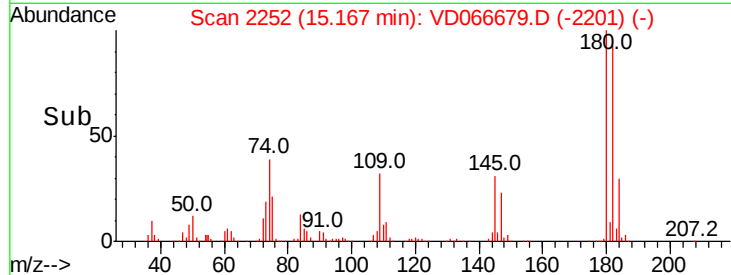
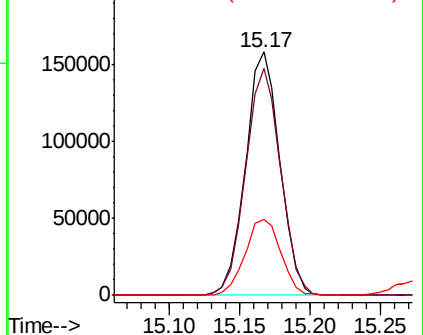
#93
 1,2,4-Trichlorobenzene
 Concen: 57.968 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD066679.D
 Acq: 14 Sep 2020 18:48

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	48.4	145.0
145	32.9	16.7	50.0

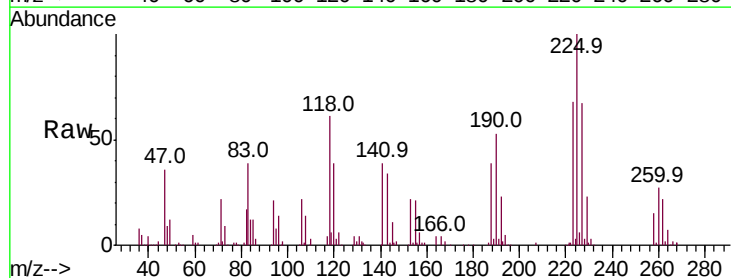


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

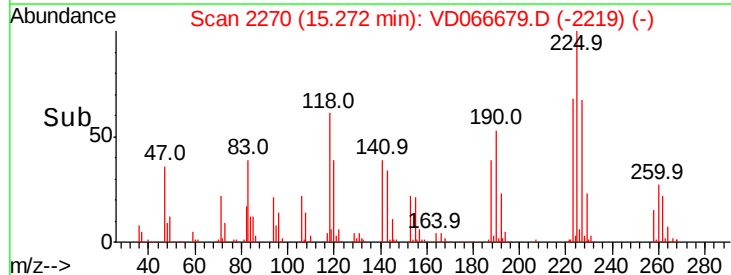
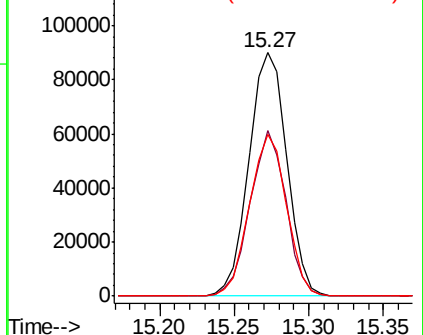


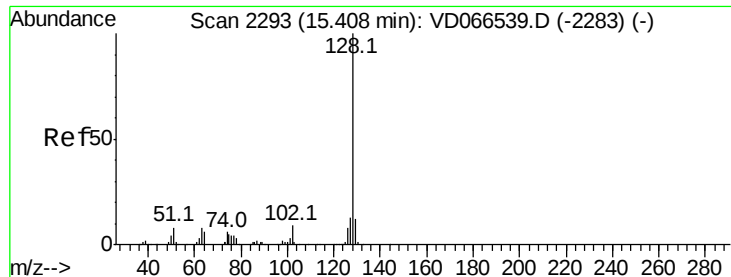
#94
 Hexachlorobutadiene
 Concen: 56.306 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066679.D
 Acq: 14 Sep 2020 18:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	30.5	91.5
227	65.0	32.4	97.2



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





#95

Naphthalene

Concen: 62.446 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD066679.D

Acq: 14 Sep 2020 18:48

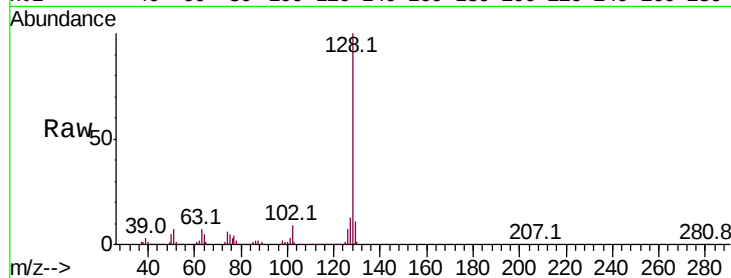
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:128 Resp: 508899

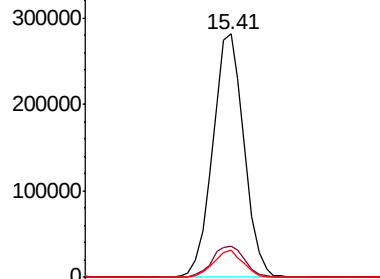
Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.7	16.1
129	10.7	9.1	13.7



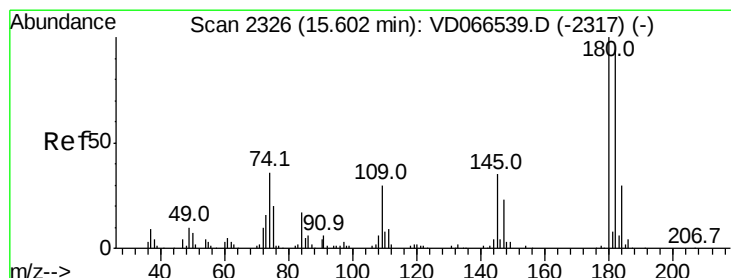
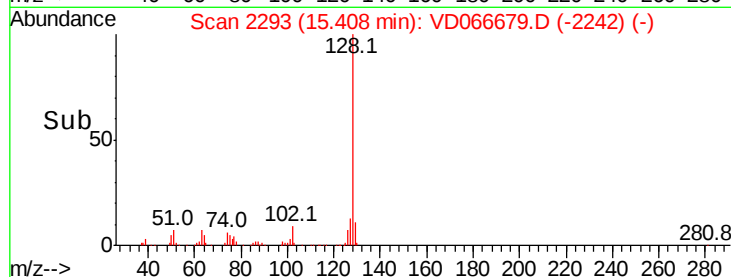
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time--> 15.30 15.40 15.50



#96

1,2,3-Trichlorobenzene

Concen: 59.159 ug/l

RT: 15.60 min Scan# 2325

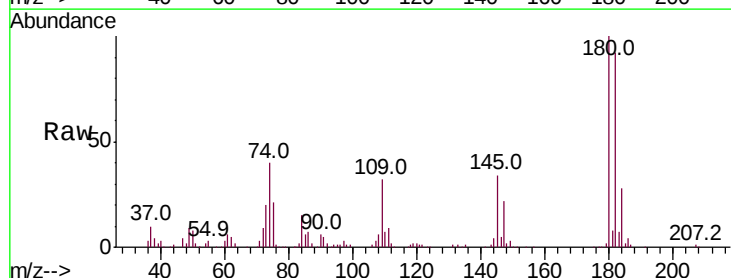
Delta R.T. -0.01 min

Lab File: VD066679.D

Acq: 14 Sep 2020 18:48

Tgt Ion:180 Resp: 235220

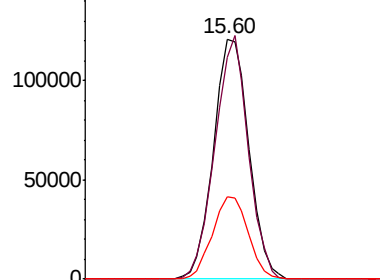
Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.9	143.6
145	34.6	17.3	51.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V



Time--> 15.50 15.60

