

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032720\
 Data File : VD065534.D
 Acq On : 27 Mar 2020 10:07
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 30 06:30:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 01:47:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	521904	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	722684	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	666378	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	346012	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	215060	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	
35) Dibromofluoromethane	7.92	113	228877	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	
50) Toluene-d8	10.34	98	891427	53.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.46%	
62) 4-Bromofluorobenzene	12.64	95	281310	52.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	138630	48.120	ug/l	95
3) Chloromethane	2.21	50	215344	52.426	ug/l	99
4) Vinyl Chloride	2.35	62	220608	45.741	ug/l	99
5) Bromomethane	2.77	94	153177	50.318	ug/l	97
6) Chloroethane	2.93	64	144084	46.231	ug/l	97
7) Trichlorofluoromethane	3.27	101	344700	47.906	ug/l	100
8) Diethyl Ether	3.71	74	103548	45.354	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	226896	47.812	ug/l	99
10) Methyl Iodide	4.30	142	240804	43.854	ug/l	99
11) Tert butyl alcohol	5.24	59	63367	259.374	ug/l	96
12) 1,1-Dichloroethene	4.06	96	210898	46.774	ug/l	97
13) Acrolein	3.93	56	100763	244.282	ug/l	97
14) Allyl chloride	4.71	41	321109	46.805	ug/l	99
15) Acrylonitrile	5.43	53	224529	238.825	ug/l	100
16) Acetone	4.16	43	221770	270.536	ug/l	96
17) Carbon Disulfide	4.40	76	708819	47.686	ug/l	100
18) Methyl Acetate	4.72	43	97710	45.839	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	430780	47.906	ug/l	100
20) Methylene Chloride	4.97	84	238568	46.637	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	250991	48.384	ug/l	98
22) Diisopropyl ether	6.37	45	665169	49.999	ug/l	97
23) Vinyl Acetate	6.31	43	1850272	255.340	ug/l	100
24) 1,1-Dichloroethane	6.27	63	410473	48.657	ug/l	98
25) 2-Butanone	7.22	43	284858	255.874	ug/l	99
26) 2,2-Dichloropropane	7.21	77	364984	48.857	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	258619	48.112	ug/l	99
28) Bromochloromethane	7.54	49	167468	47.744	ug/l	99
29) Tetrahydrofuran	7.57	42	181023	250.888	ug/l	97
30) Chloroform	7.71	83	423244	48.434	ug/l	97
31) Cyclohexane	7.98	56	379923	46.521	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	385350	48.811	ug/l	100
36) 1,1-Dichloropropene	8.11	75	341898	51.780	ug/l	99
37) Ethyl Acetate	7.30	43	128728	50.932	ug/l	99
38) Carbon Tetrachloride	8.10	117	356155	51.212	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	418246	53.727	ug/l	99
40) Benzene	8.35	78	969441	51.453	ug/l	99
41) Methacrylonitrile	7.53	41	75130	51.496	ug/l	95
42) 1,2-Dichloroethane	8.43	62	255008	50.863	ug/l	99
43) Isopropyl Acetate	8.46	43	228999	49.894	ug/l	98
44) Trichloroethene	9.11	130	274506	50.212	ug/l	95
45) 1,2-Dichloropropane	9.39	63	235646	51.486	ug/l	95
46) Dibromomethane	9.48	93	122837	51.147	ug/l	98
47) Bromodichloromethane	9.67	83	319191	50.169	ug/l	98
48) Methyl methacrylate	9.46	41	110591	50.675	ug/l	97
49) 1,4-Dioxane	9.47	88	26653	1020.593	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	623648	269.255	ug/l	99
52) Toluene	10.41	92	625241	52.399	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	299731	51.509	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	367627	51.637	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	172365	50.310	ug/l	97
56) Ethyl methacrylate	10.67	69	195502	46.943	ug/l	98
57) 1,3-Dichloropropane	10.95	76	292650	50.761	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	502158	258.291	ug/l	100
59) 2-Hexanone	10.99	43	453826	287.370	ug/l	98
60) Dibromochloromethane	11.14	129	230598	50.790	ug/l	100
61) 1,2-Dibromoethane	11.25	107	166135	50.103	ug/l	99
64) Tetrachloroethene	10.88	164	243991	51.114	ug/l	95
65) Chlorobenzene	11.67	112	662140	50.826	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	252583	51.991	ug/l	100
67) Ethyl Benzene	11.75	91	1168478	53.251	ug/l	100
68) m/p-Xylenes	11.86	106	925931	107.471	ug/l	99
69) o-Xylene	12.18	106	402664	53.366	ug/l	98
70) Styrene	12.20	104	732882	54.992	ug/l	99
71) Bromoform	12.37	173	133513	49.824	ug/l #	98
73) Isopropylbenzene	12.48	105	1104503	51.986	ug/l	100
74) N-amyl acetate	12.30	43	211100	50.346	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	183677	49.772	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	241021	90.604	ug/l #	100
77) Bromobenzene	12.77	156	275300	49.585	ug/l	98
78) n-propylbenzene	12.83	91	1340838	52.945	ug/l	100
79) 2-Chlorotoluene	12.91	91	744779	51.549	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	939503	53.350	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	58884	49.410	ug/l	97
82) 4-Chlorotoluene	13.01	91	785077	51.131	ug/l	99
83) tert-Butylbenzene	13.23	119	779273	52.836	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	930793	52.869	ug/l	99
85) sec-Butylbenzene	13.41	105	1119005	53.018	ug/l	99
86) p-Isopropyltoluene	13.53	119	1038709	53.405	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	537153	50.257	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	526089	49.261	ug/l	100
89) n-Butylbenzene	13.86	91	944794	53.490	ug/l	100
90) Hexachloroethane	14.12	117	206593	50.652	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	458551	50.540	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	26932	48.442	ug/l	97

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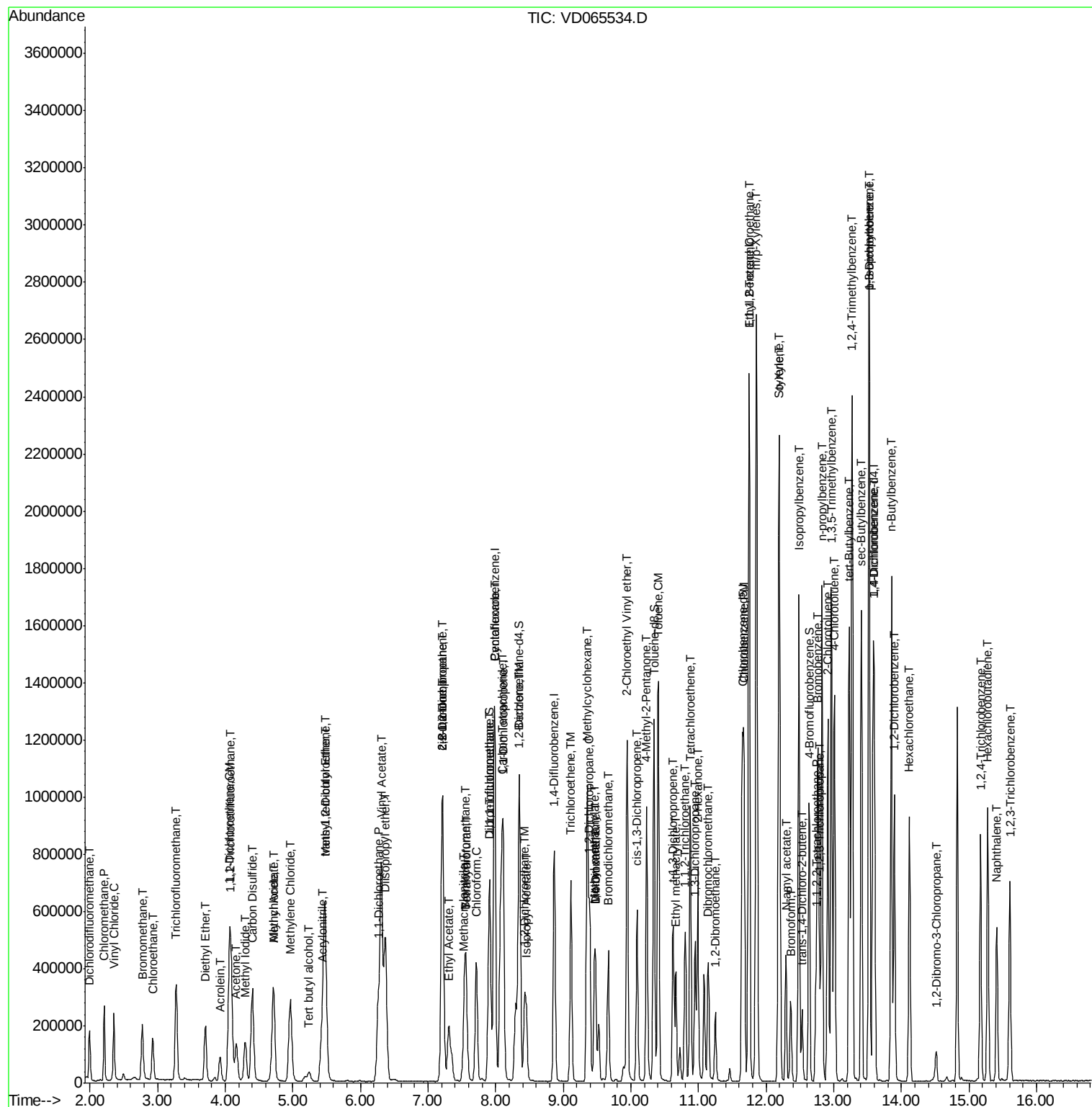
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	310755	49.526	ug/l	99
94) Hexachlorobutadiene	15.28	225	204220	49.946	ug/l	99
95) Naphthalene	15.41	128	478428	45.218	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	268463	49.817	ug/l	99

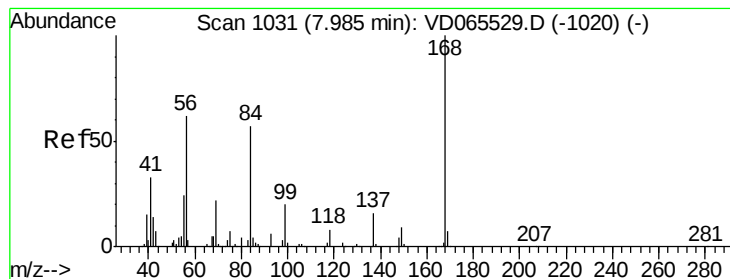
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065534.D

Acq: 27 Mar 2020 10:07

Instrument :

MSVOA_D

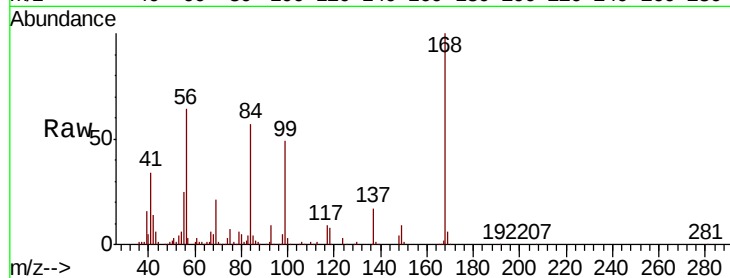
ClientSampleId :

Tot Ion:168 Resp: 521904

Ion Ratio Lower Upper

168 100

99 49.3 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

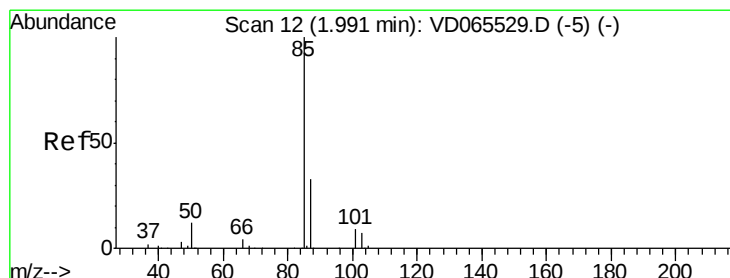
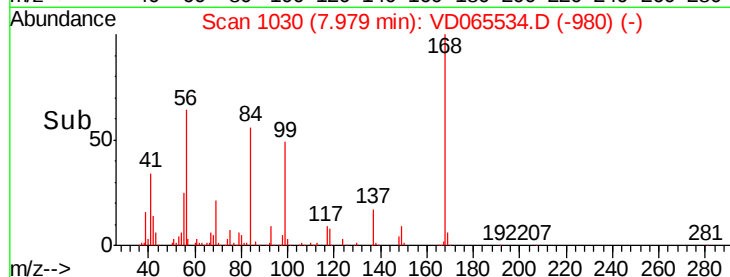
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.120 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065534.D

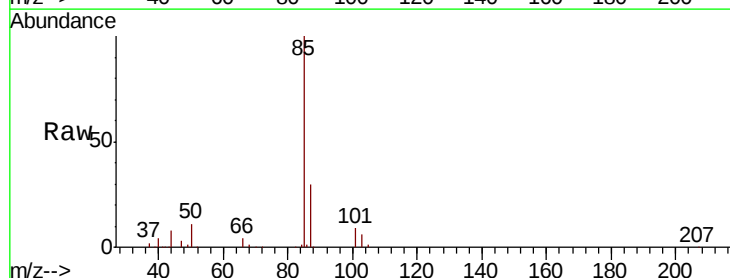
Acq: 27 Mar 2020 10:07

Tgt Ion: 85 Resp: 138630

Ion Ratio Lower Upper

85 100

87 29.9 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

100000

80000

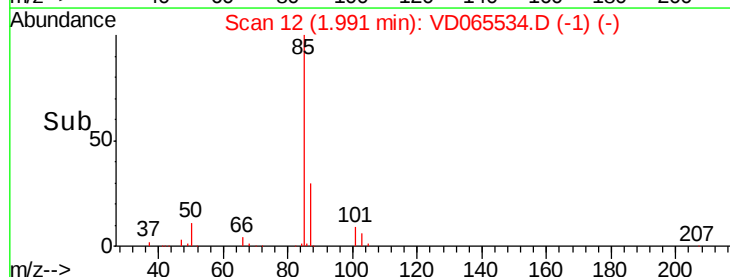
60000

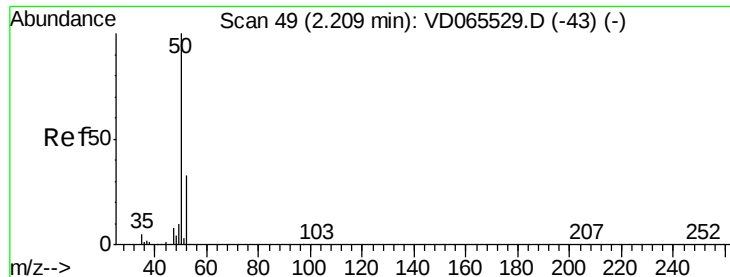
40000

20000

0

Time-->





#3

Chloromethane

Concen: 52.426 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065534.D

Acq: 27 Mar 2020 10:07

Instrument :

MSVOA_D

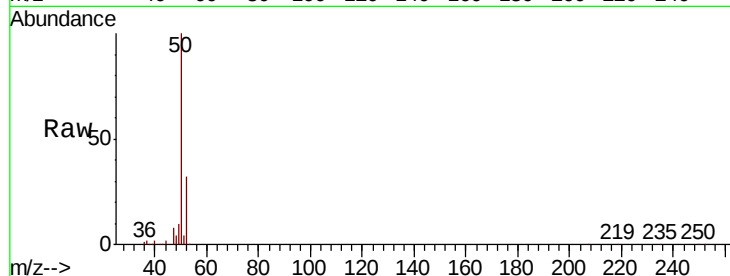
ClientSampleId :

Tot Ion: 50 Resp: 215344

Ion Ratio Lower Upper

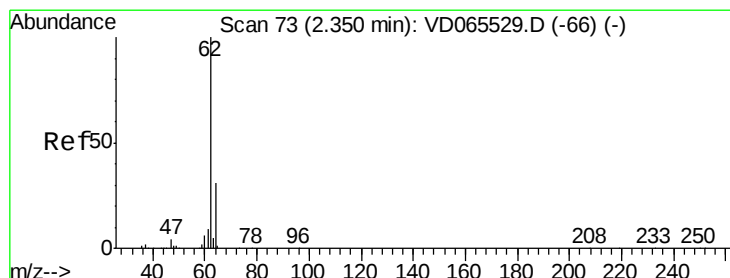
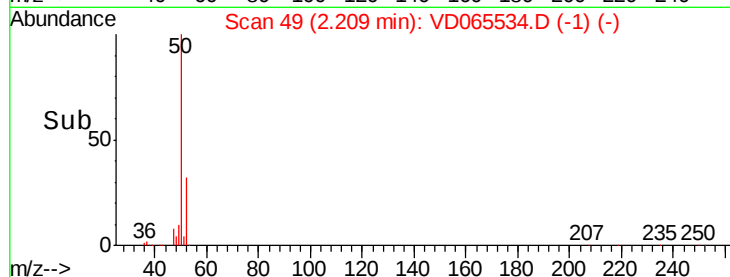
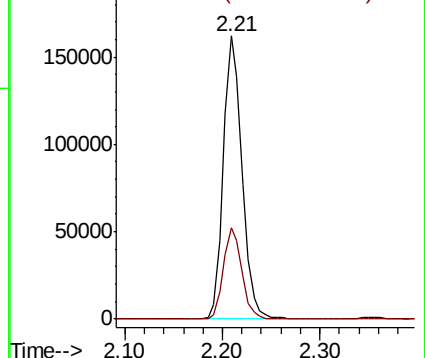
50 100

52 32.4 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 45.741 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065534.D

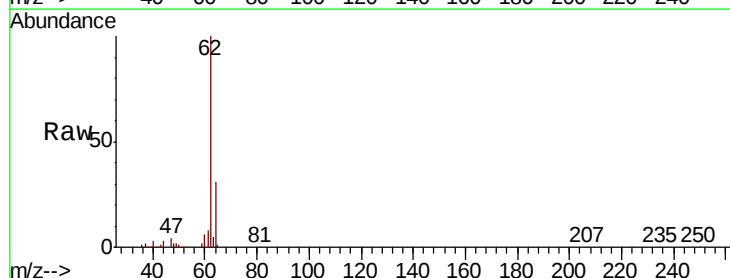
Acq: 27 Mar 2020 10:07

Tgt Ion: 62 Resp: 220608

Ion Ratio Lower Upper

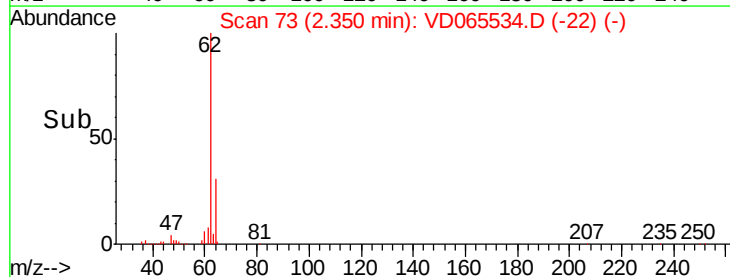
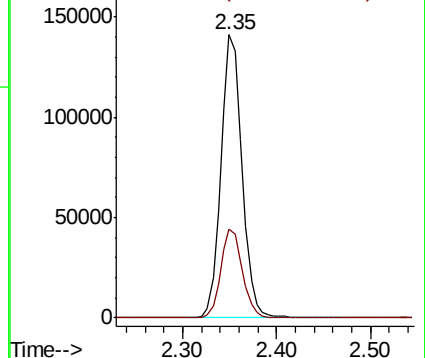
62 100

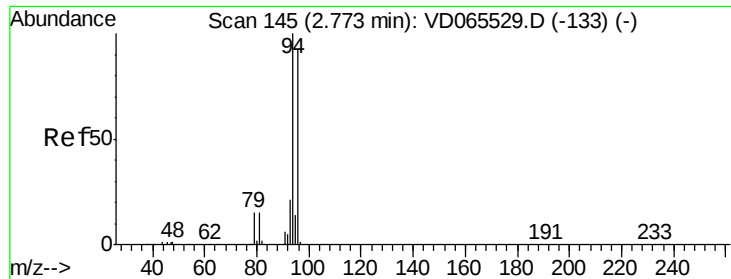
64 31.4 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 50.318 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065534.D

Acq: 27 Mar 2020 10:07

Instrument :

MSVOA_D

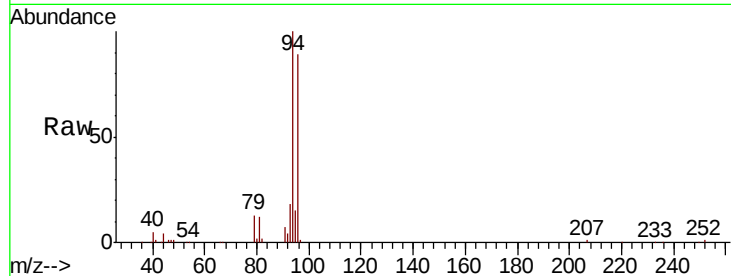
ClientSampleId :

Tot Ion: 94 Resp: 153177

Ion Ratio Lower Upper

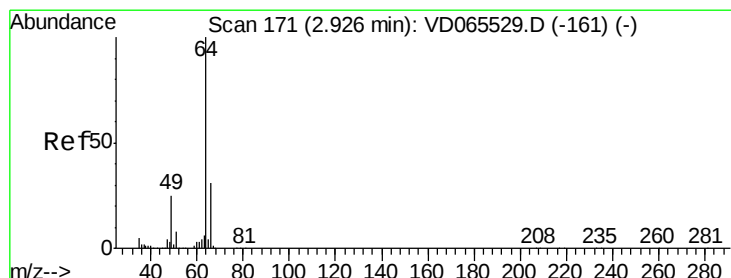
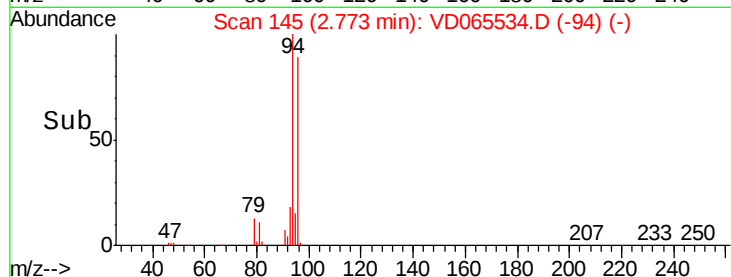
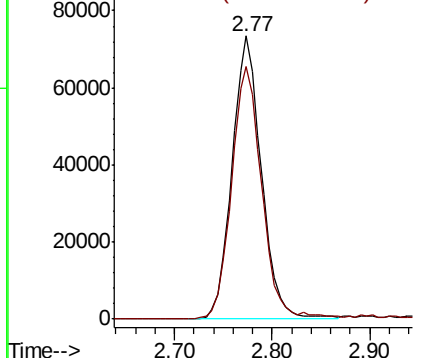
94 100

96 89.1 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 46.231 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065534.D

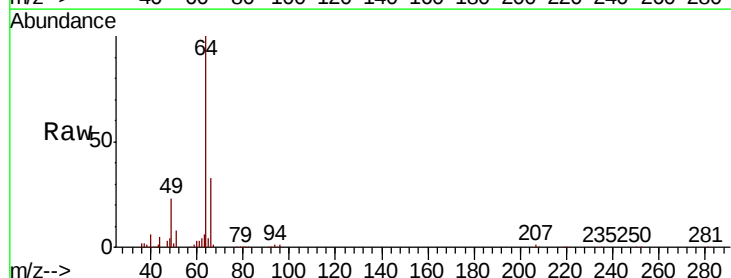
Acq: 27 Mar 2020 10:07

Tgt Ion: 64 Resp: 144084

Ion Ratio Lower Upper

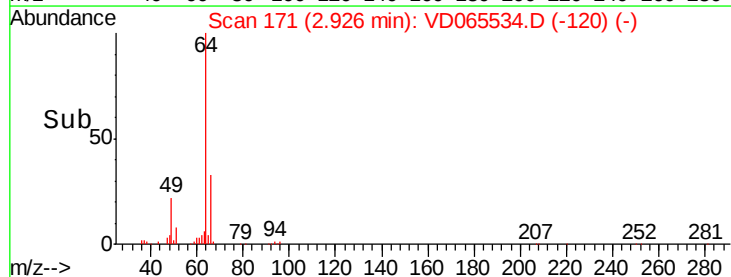
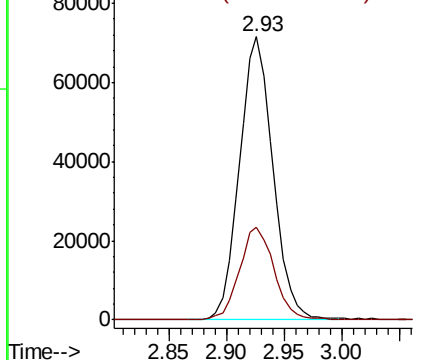
64 100

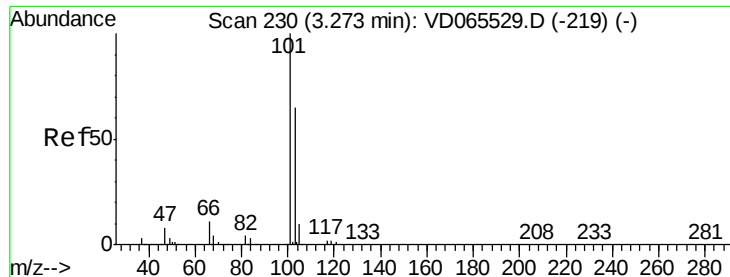
66 32.7 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



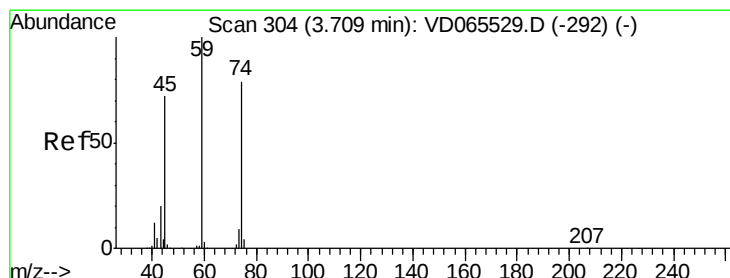
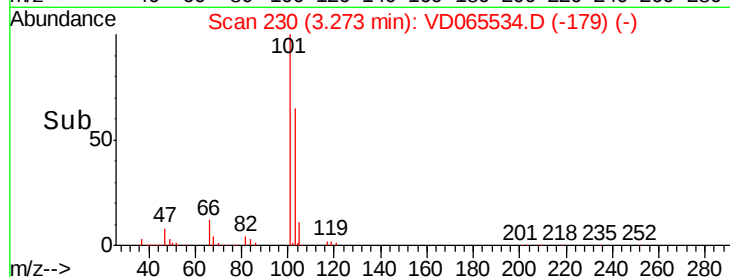
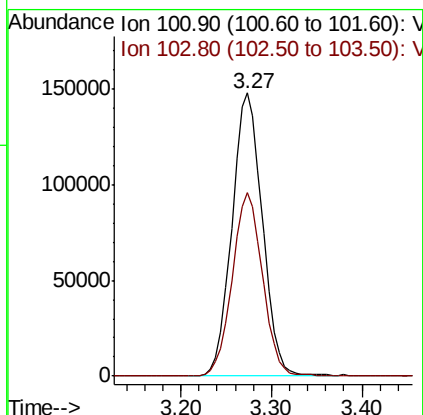
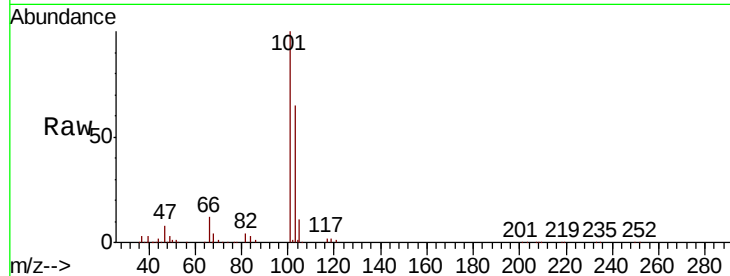


#7

Trichlorofluoromethane
 Concen: 47.906 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065534.D
 Acq: 27 Mar 2020 10:07

Instrument :
 MSVOA_D
 ClientSampleId :

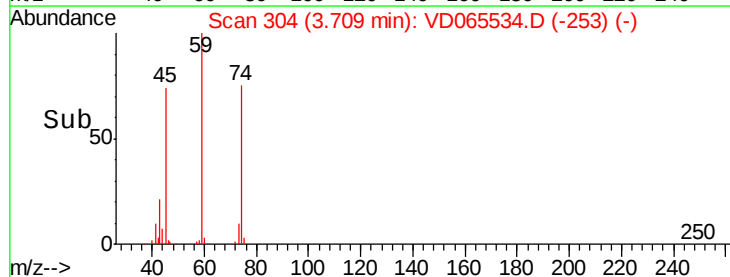
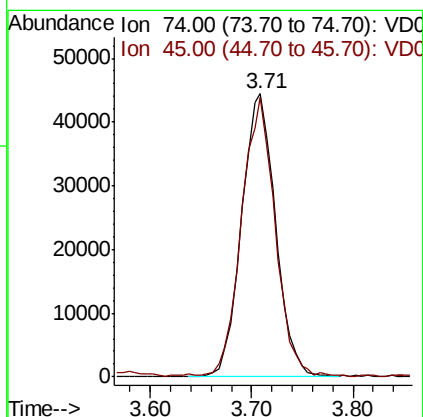
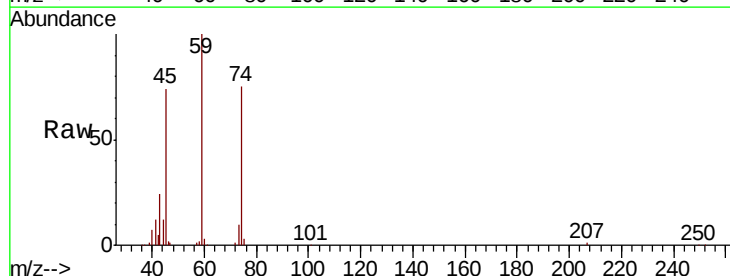
Tot Ion:101 Resp: 344700
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.9 77.9

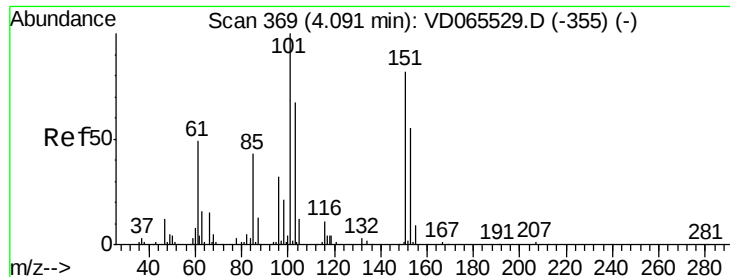


#8

Diethyl Ether
 Concen: 45.354 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065534.D
 Acq: 27 Mar 2020 10:07

Tgt Ion: 74 Resp: 103548
 Ion Ratio Lower Upper
 74 100
 45 98.1 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.812 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065534.D

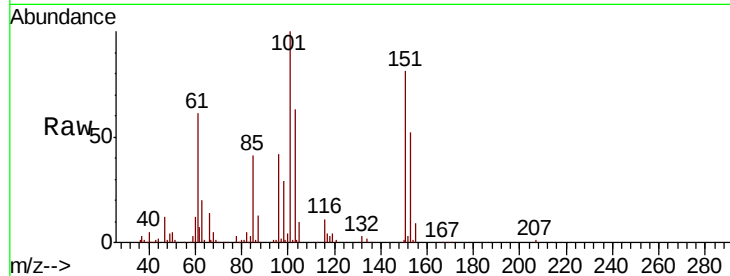
Acq: 27 Mar 2020 10:07

Instrument :

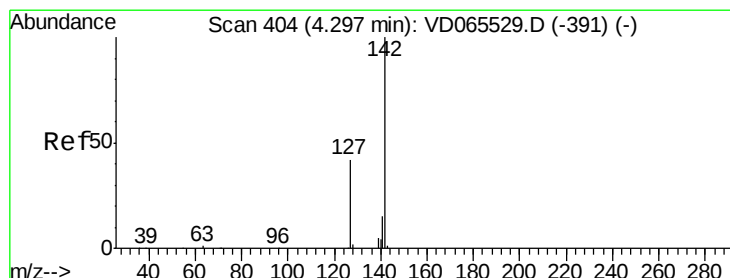
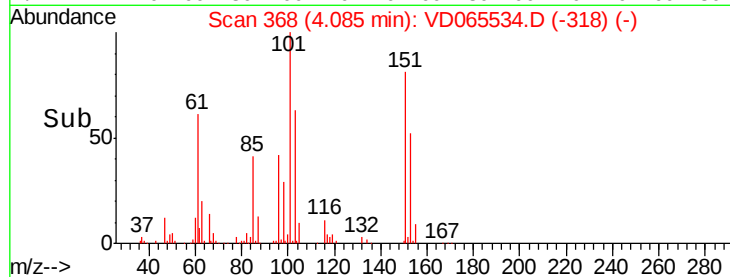
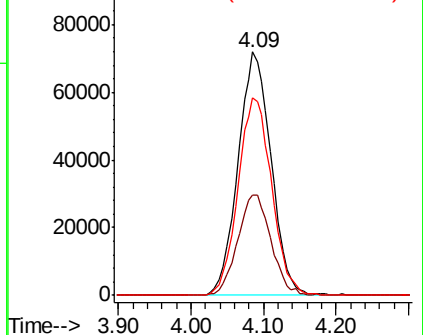
MSVOA_D

ClientSampleId :

Tot Ion:	101	Resp:	226896
Ion	Ratio	Lower	Upper
101	100		
85	41.8	32.6	48.8
151	82.7	65.5	98.3



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: 43.854 ug/l

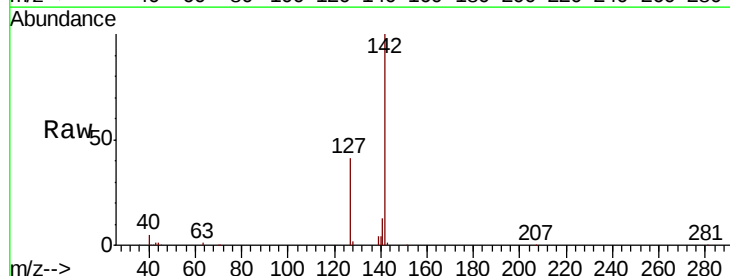
RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

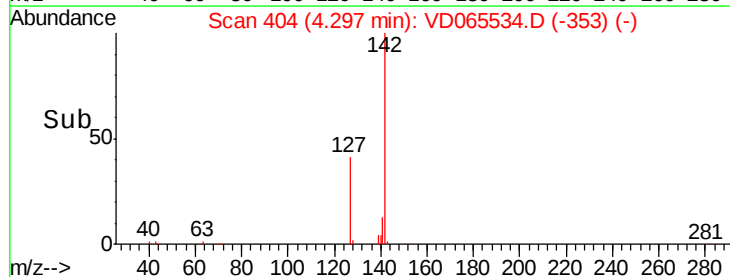
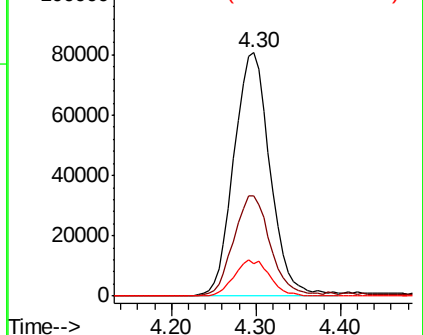
Lab File: VD065534.D

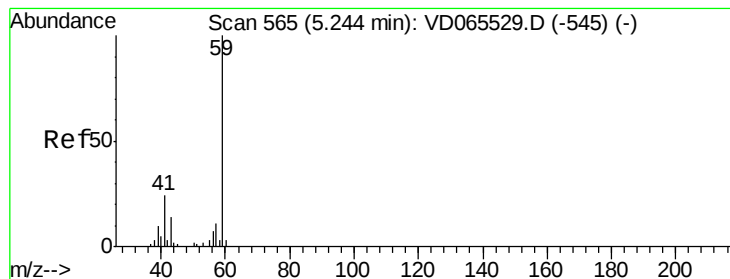
Acq: 27 Mar 2020 10:07

Tgt Ion:	142	Resp:	240804
Ion	Ratio	Lower	Upper
142	100		
127	41.7	33.9	50.9
141	14.4	11.6	17.4



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



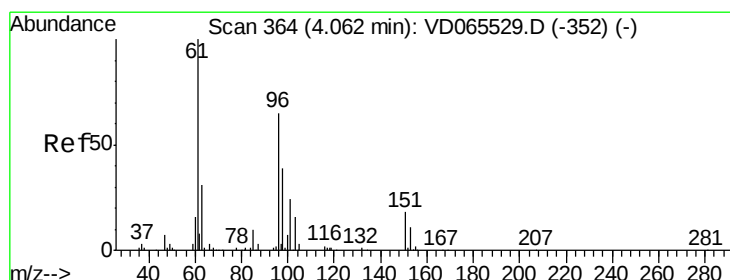
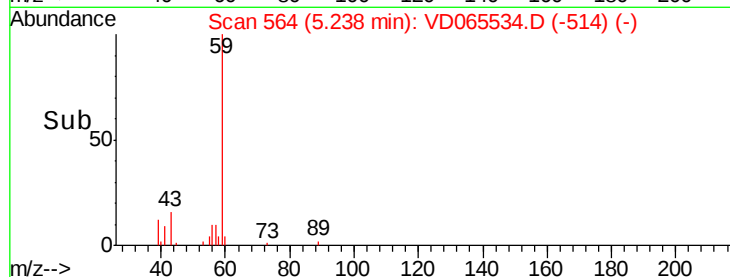
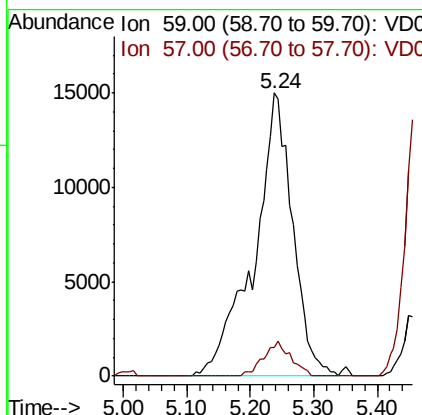
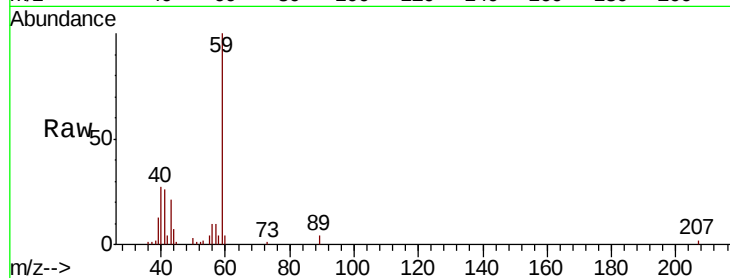


#11

Tert butyl alcohol
Concen: 259.374 ug/l
RT: 5.24 min Scan# 564
Delta R.T. -0.01 min
Lab File: VD065534.D
Acq: 27 Mar 2020 10:07

Instrument :
MSVOA_D
ClientSampleId :

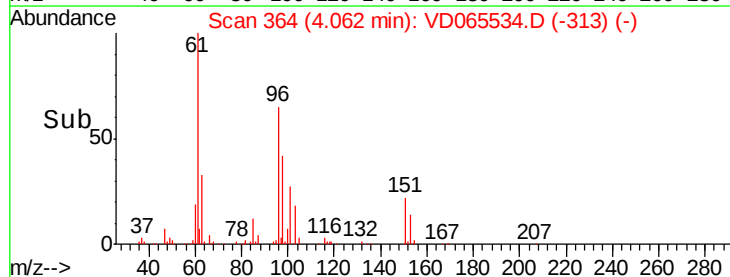
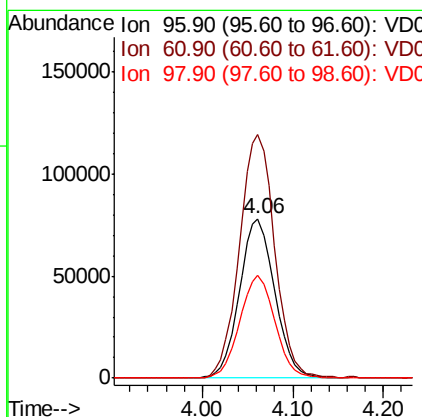
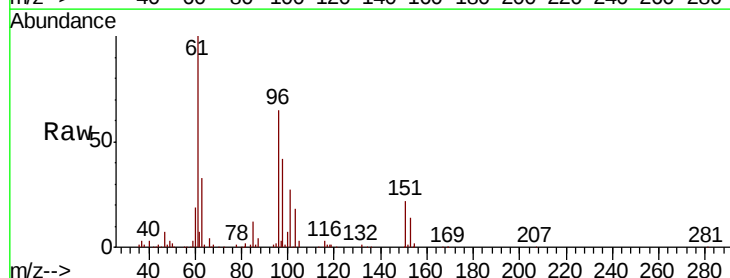
Tot Ion: 59 Resp: 63367
Ion Ratio Lower Upper
59 100
57 8.6 8.1 12.1

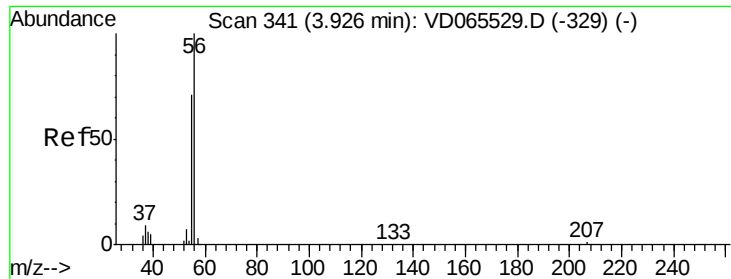


#12

1,1-Dichloroethene
Concen: 46.774 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD065534.D
Acq: 27 Mar 2020 10:07

Tgt Ion: 96 Resp: 210898
Ion Ratio Lower Upper
96 100
61 152.8 124.0 186.0
98 64.2 48.2 72.4





#13

Acrolein

Concen: 244.282 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065534.D

Acq: 27 Mar 2020 10:07

Instrument :

MSVOA_D

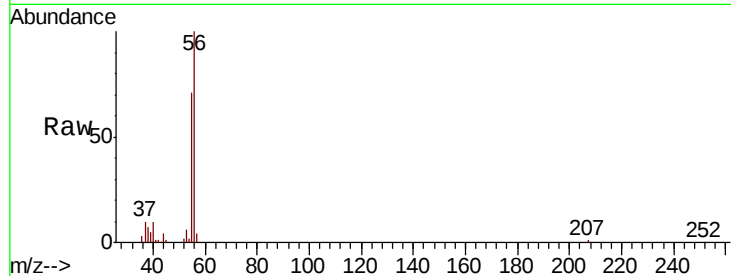
ClientSampleId :

Tot Ion: 56 Resp: 100763

Ion Ratio Lower Upper

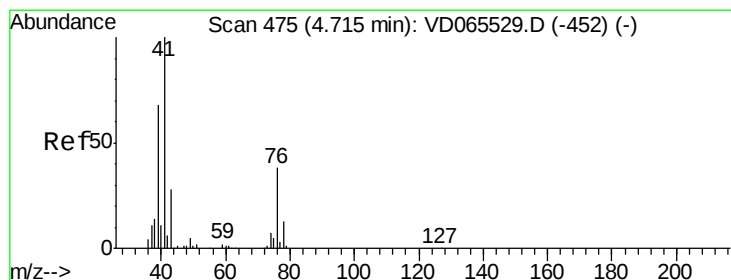
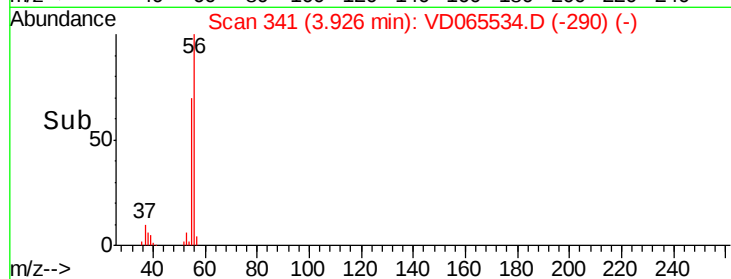
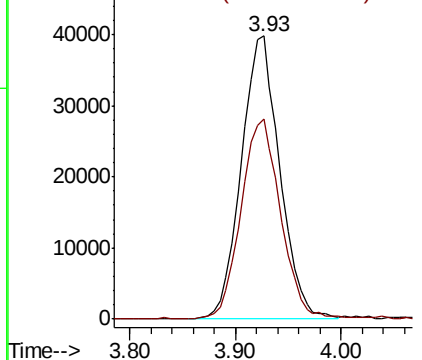
56 100

55 72.7 56.2 84.2



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 46.805 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065534.D

Acq: 27 Mar 2020 10:07

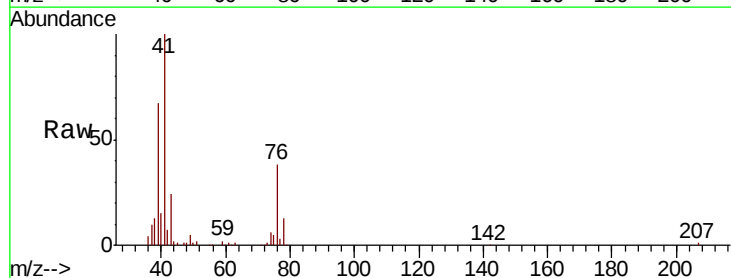
Tgt Ion: 41 Resp: 321109

Ion Ratio Lower Upper

41 100

39 65.5 52.9 79.3

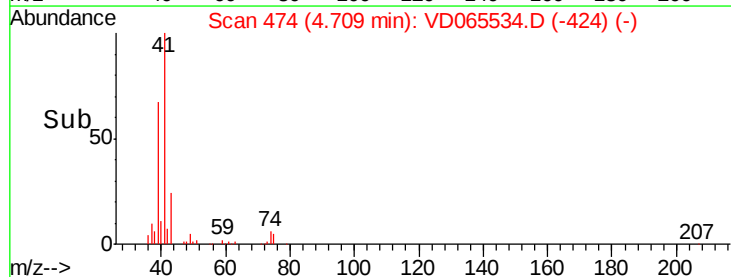
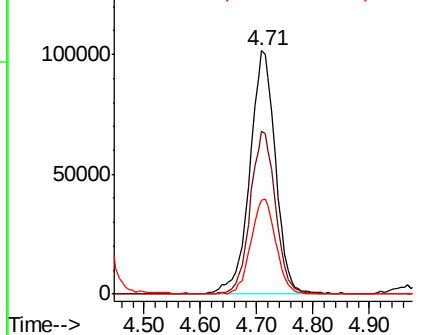
76 37.4 28.9 43.3

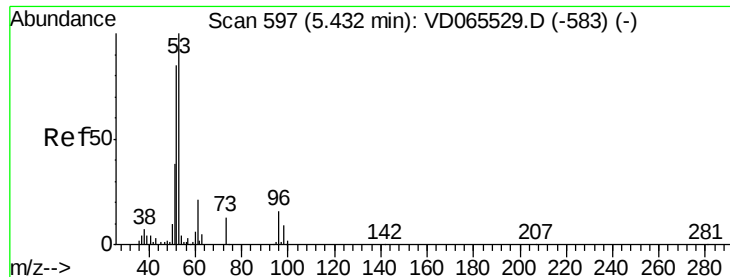


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 238.825 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065534.D

Acq: 27 Mar 2020 10:07

Instrument :

MSVOA_D

ClientSampleId :

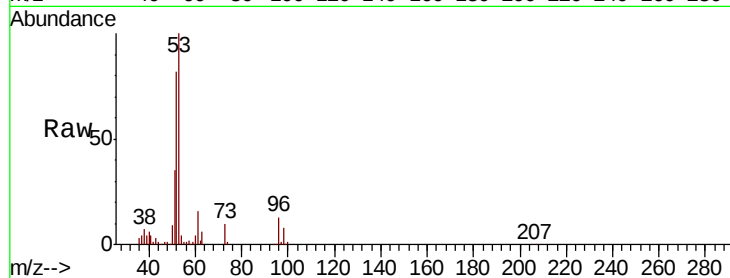
Tot Ion: 53 Resp: 224529

Ion Ratio Lower Upper

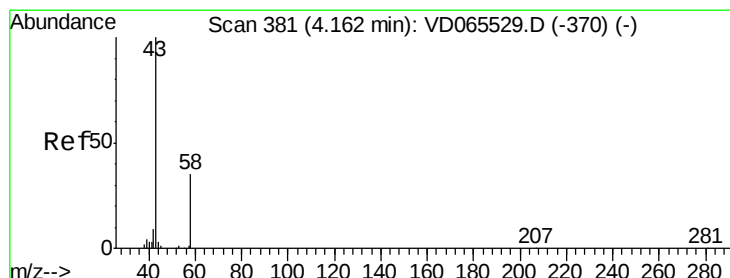
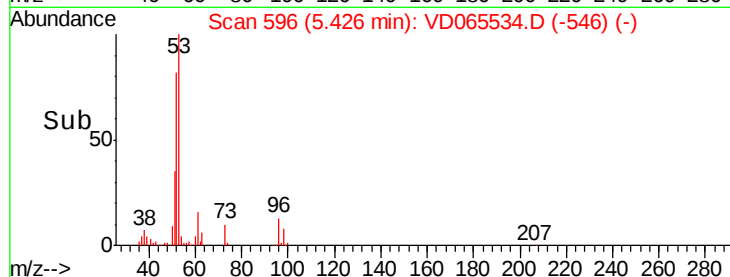
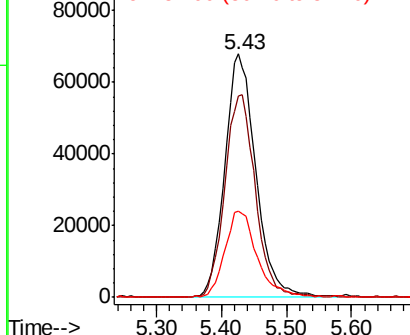
53 100

52 81.9 65.8 98.6

51 37.0 29.7 44.5



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: 270.536 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.00 min

Lab File: VD065534.D

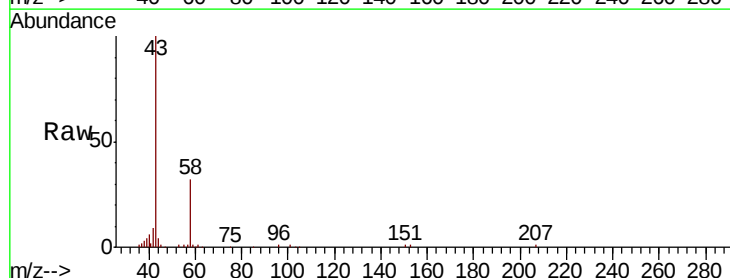
Acq: 27 Mar 2020 10:07

Tgt Ion: 43 Resp: 221770

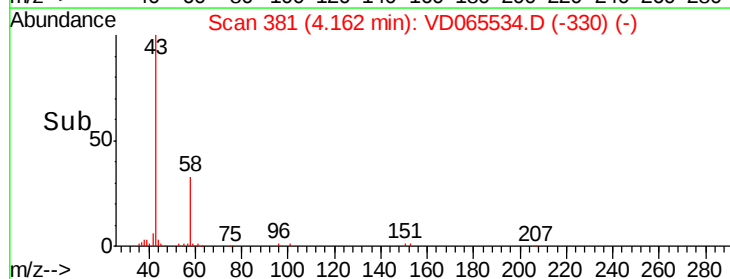
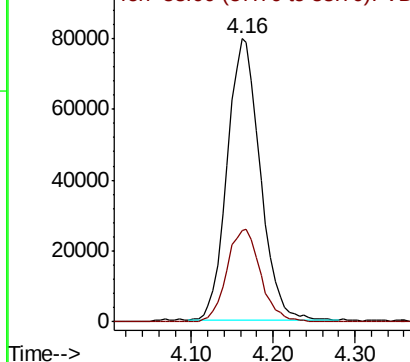
Ion Ratio Lower Upper

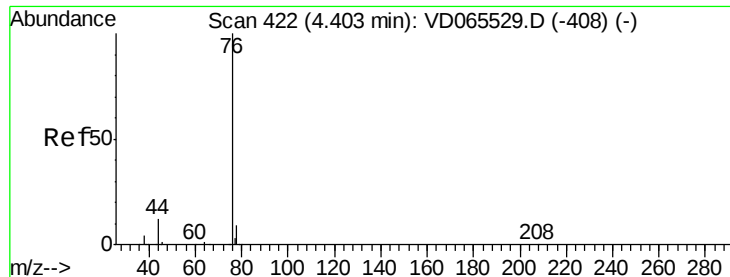
43 100

58 32.7 27.9 41.9



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

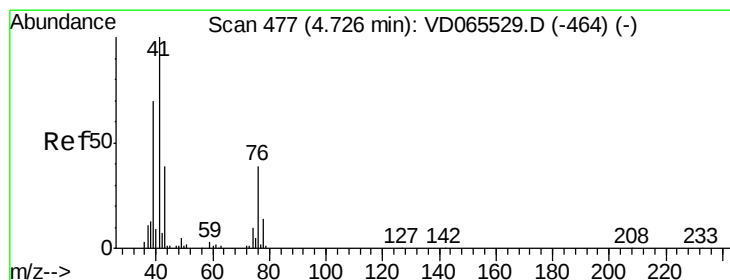
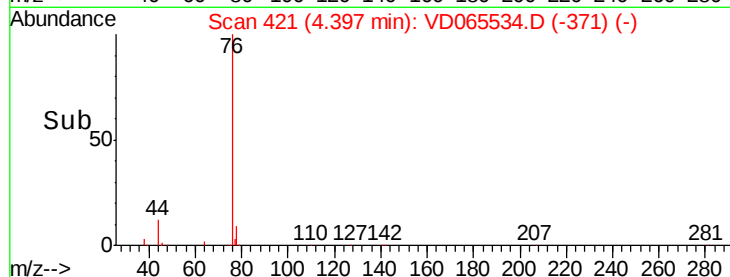
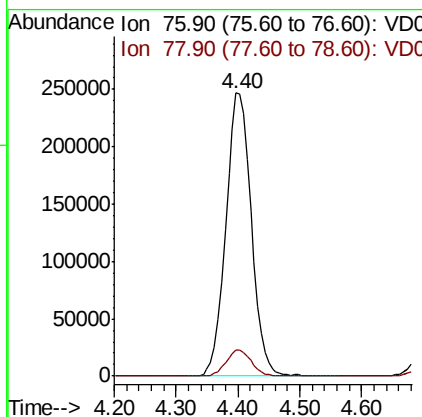
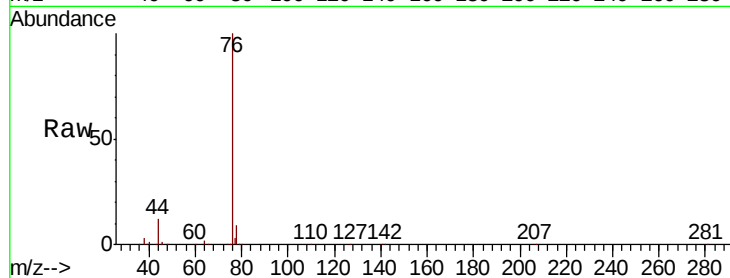




#17
Carbon Disulfide
Concen: 47.686 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD065534.D
Acq: 27 Mar 2020 10:07

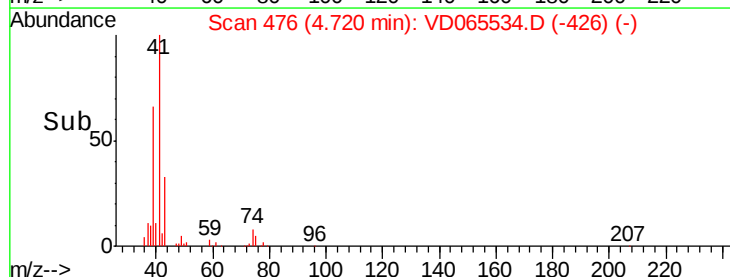
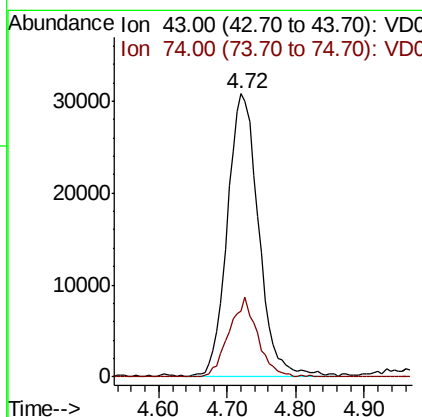
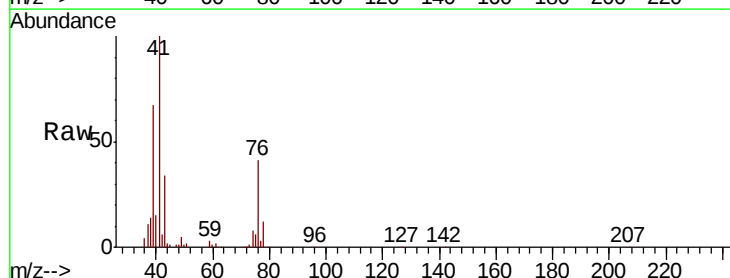
Instrument :
MSVOA_D
ClientSampled :

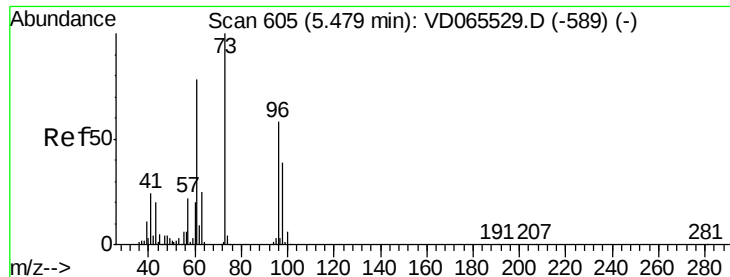
Tot Ion: 76 Resp: 708819
Ion Ratio Lower Upper
76 100
78 9.4 7.5 11.3



#18
Methyl Acetate
Concen: 45.839 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD065534.D
Acq: 27 Mar 2020 10:07

Tgt Ion: 43 Resp: 97710
Ion Ratio Lower Upper
43 100
74 25.2 20.1 30.1

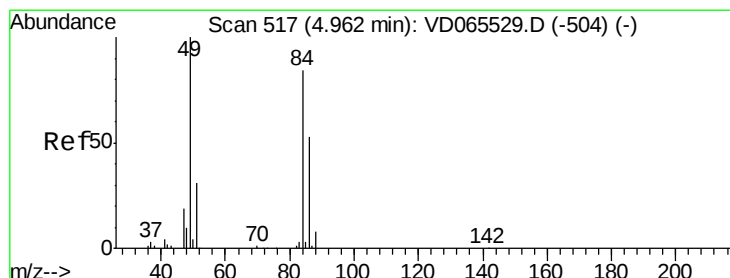
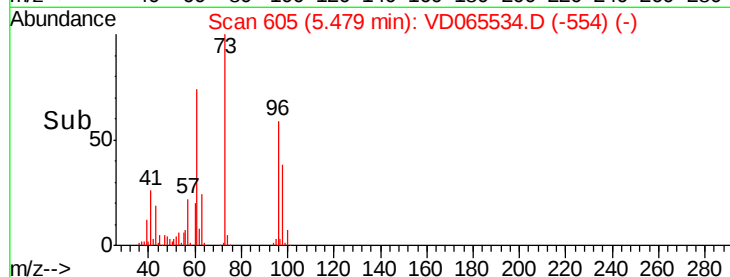
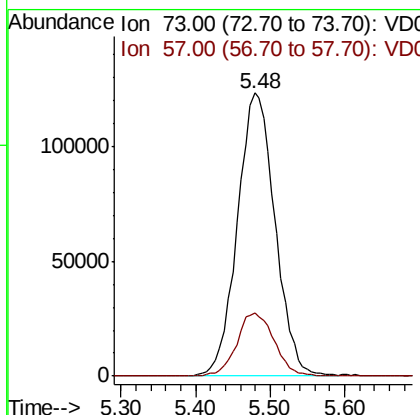
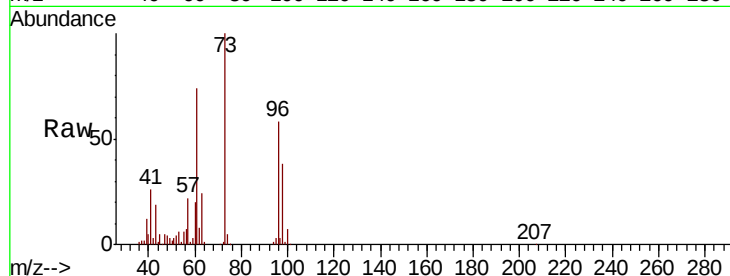




#19
Methyl tert-butyl Ether
Concen: 47.906 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.00 min
Lab File: VD065534.D
Acq: 27 Mar 2020 10:07

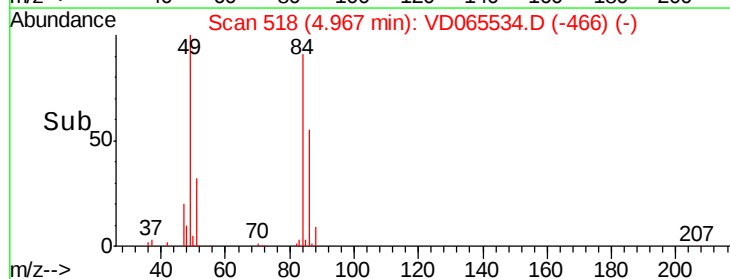
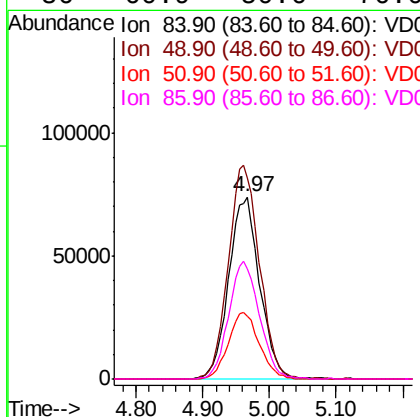
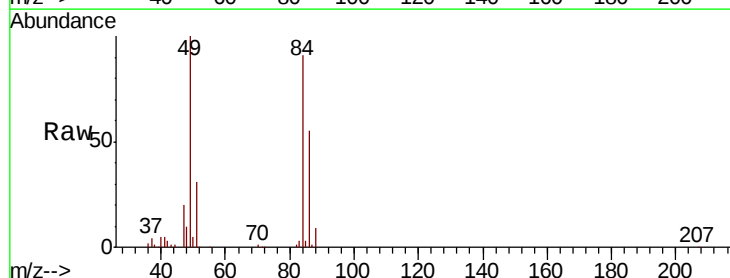
Instrument :
MSVOA_D
ClientSampleId :

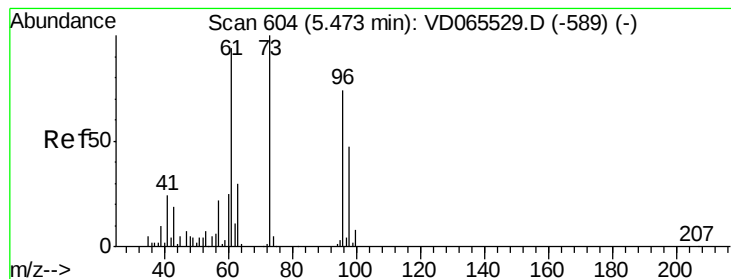
Tot Ion: 73 Resp: 430780
Ion Ratio Lower Upper
73 100
57 22.1 17.7 26.5



#20
Methylene Chloride
Concen: 46.637 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD065534.D
Acq: 27 Mar 2020 10:07

Tgt Ion: 84 Resp: 238568
Ion Ratio Lower Upper
84 100
49 110.4 95.6 143.4
51 34.7 29.4 44.2
86 60.9 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 48.384 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065534.D

Acq: 27 Mar 2020 10:07

Instrument :

MSVOA_D

ClientSampled :

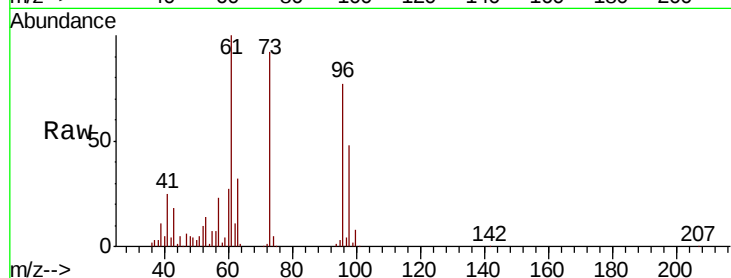
Tot Ion: 96 Resp: 250991

Ion Ratio Lower Upper

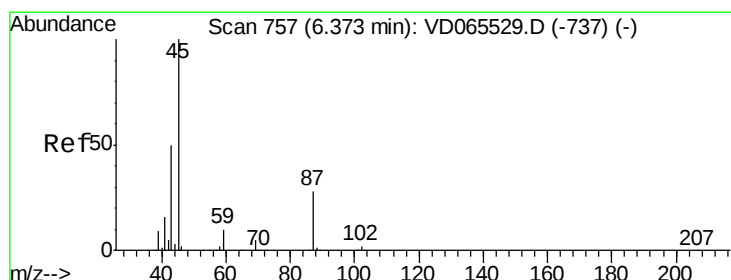
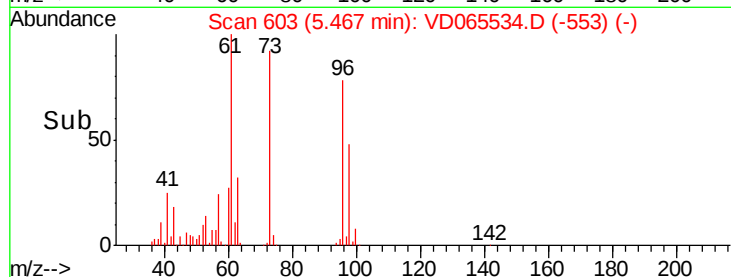
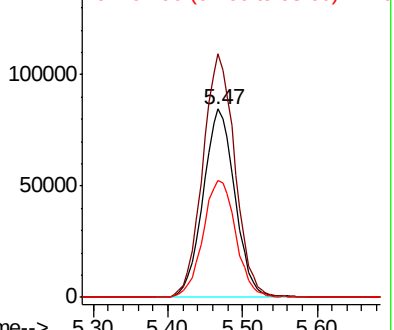
96 100

61 129.4 101.8 152.6

98 61.9 51.4 77.2



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: 49.999 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065534.D

Acq: 27 Mar 2020 10:07

Tgt Ion: 45 Resp: 665169

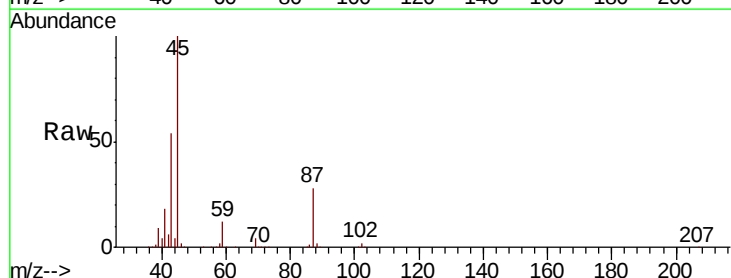
Ion Ratio Lower Upper

45 100

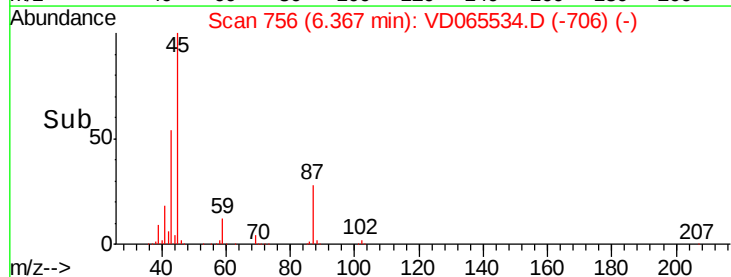
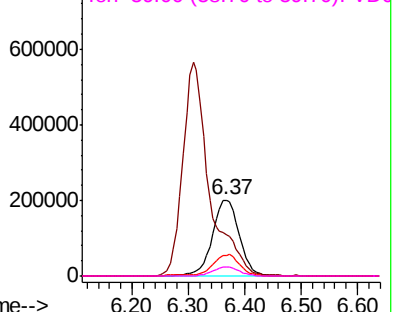
43 53.4 40.5 60.7

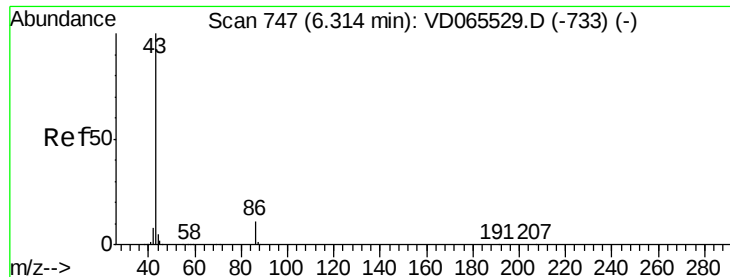
87 27.6 22.5 33.7

59 12.2 8.6 12.8



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: 255.340 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065534.D

Acq: 27 Mar 2020 10:07

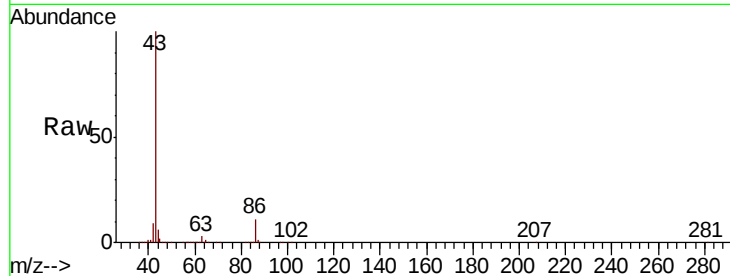
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 1850272

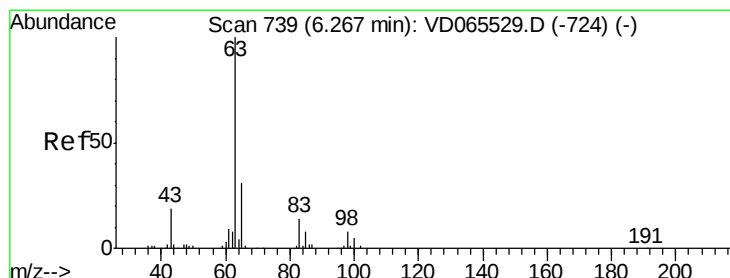
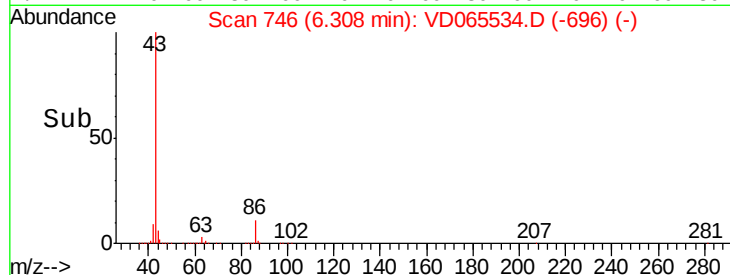
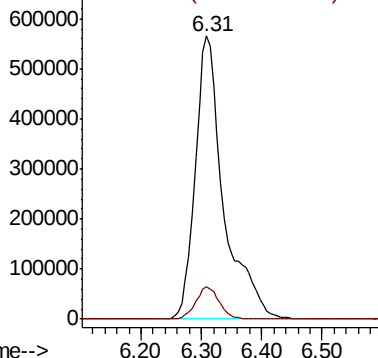
Ion Ratio Lower Upper

43 100

86 11.4 9.0 13.4



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



#24

1,1-Dichloroethane

Concen: 48.657 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065534.D

Acq: 27 Mar 2020 10:07

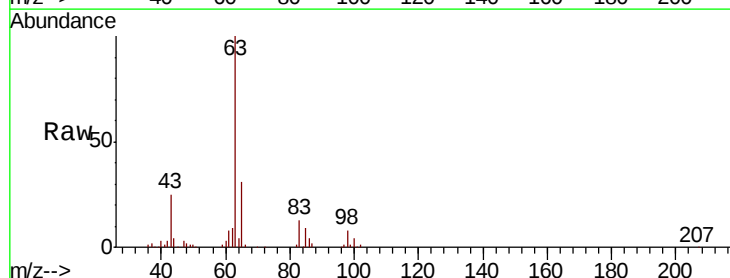
Tgt Ion: 63 Resp: 410473

Ion Ratio Lower Upper

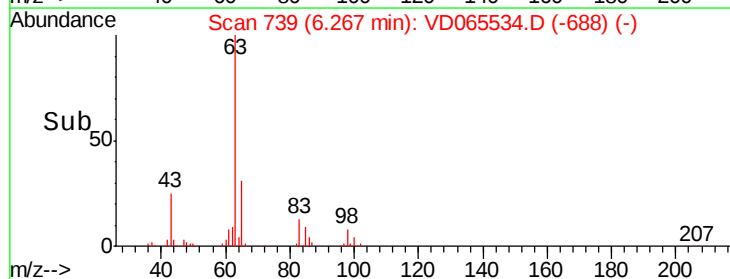
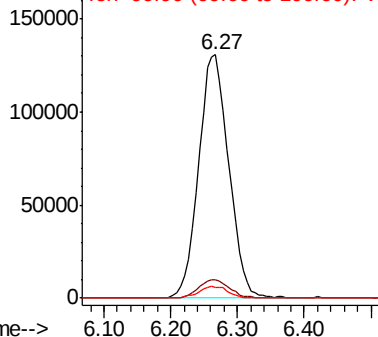
63 100

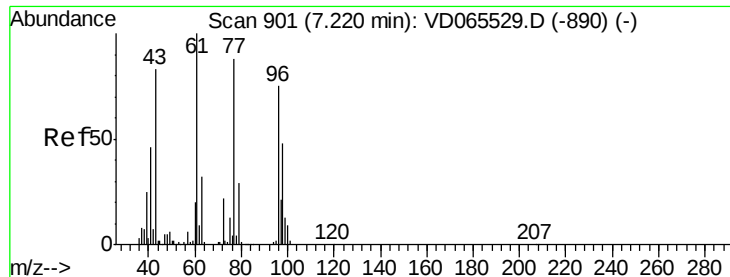
98 7.6 4.2 12.6

100 4.2 2.5 7.4



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

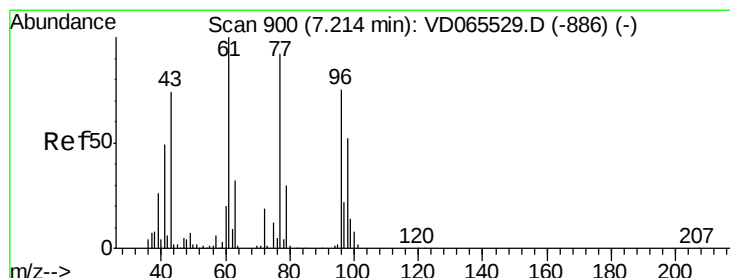
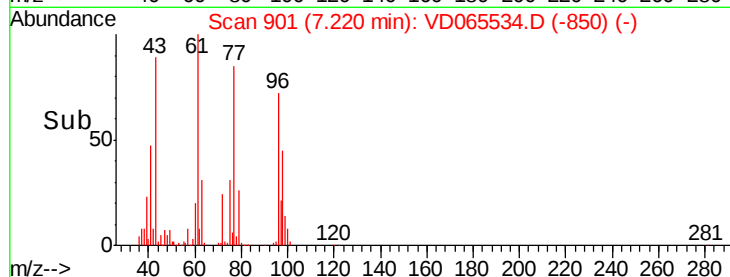
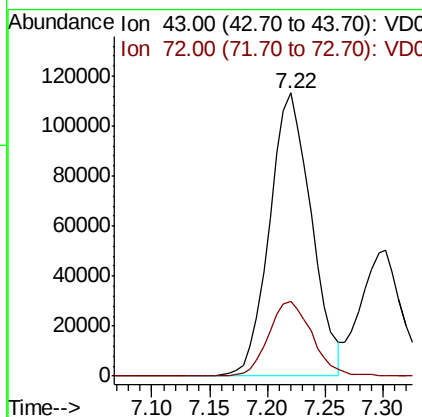
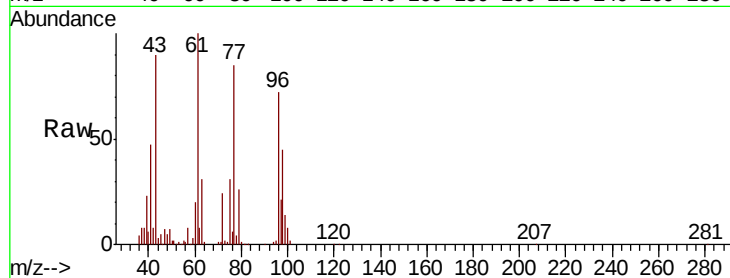




#25
2-Butanone
Concen: 255.874 ug/l
RT: 7.22 min Scan# 901
Delta R.T. -0.00 min
Lab File: VD065534.D
Acq: 27 Mar 2020 10:07

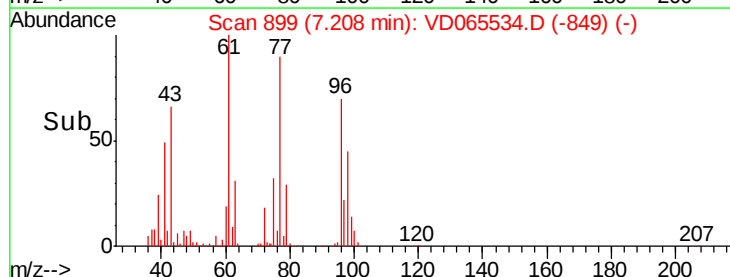
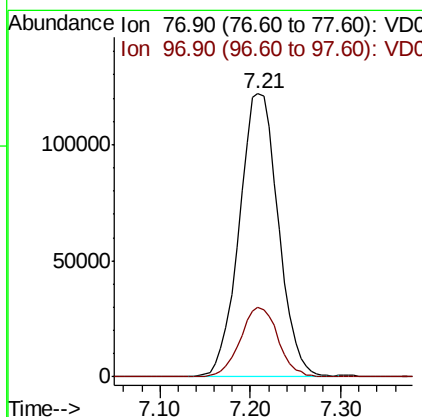
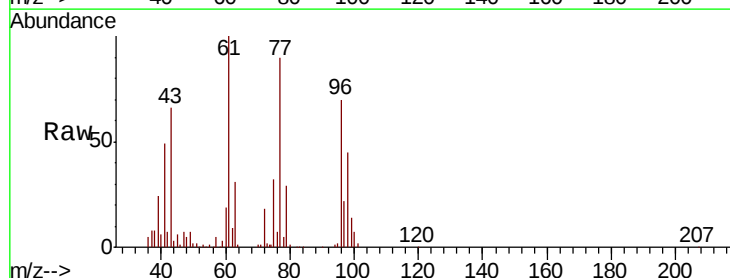
Instrument :
MSVOA_D
ClientSampleId :

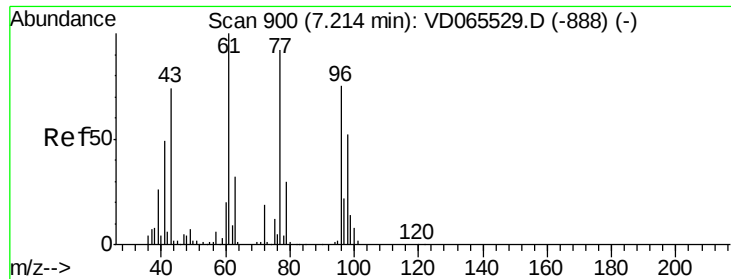
Tot Ion: 43 Resp: 284858
Ion Ratio Lower Upper
43 100
72 26.4 21.5 32.3



#26
2,2-Dichloropropane
Concen: 48.857 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065534.D
Acq: 27 Mar 2020 10:07

Tgt Ion: 77 Resp: 364984
Ion Ratio Lower Upper
77 100
97 23.9 11.7 35.1

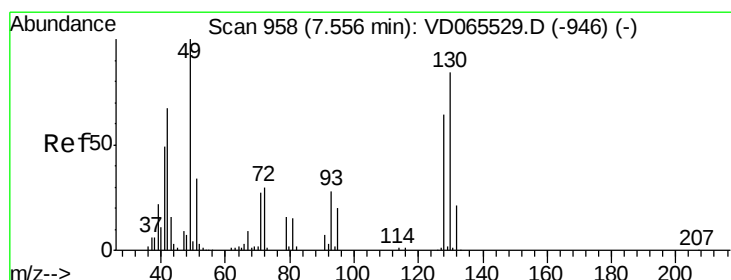
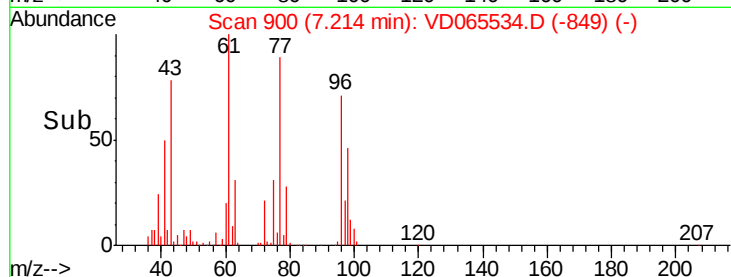
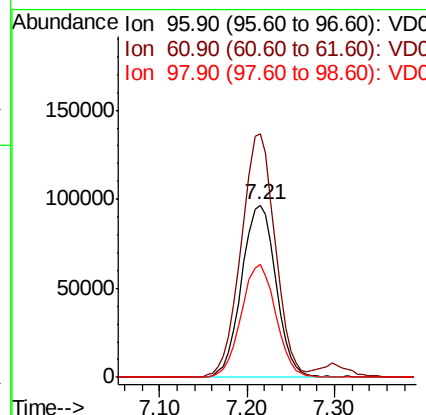
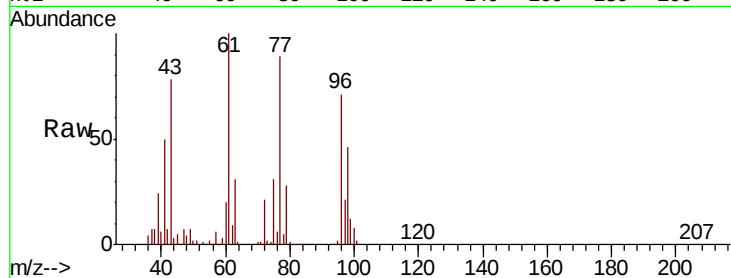




#27
 cis-1,2-Dichloroethene
 Concen: 48.112 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD065534.D
 Acq: 27 Mar 2020 10:07

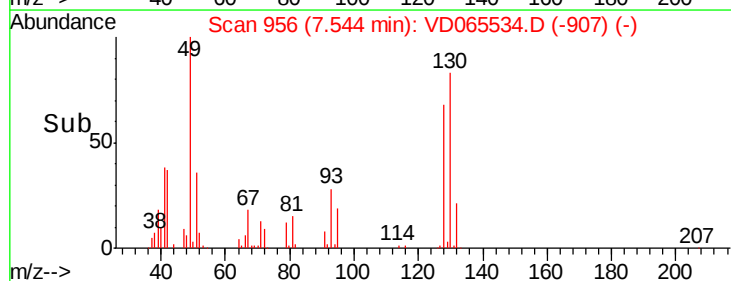
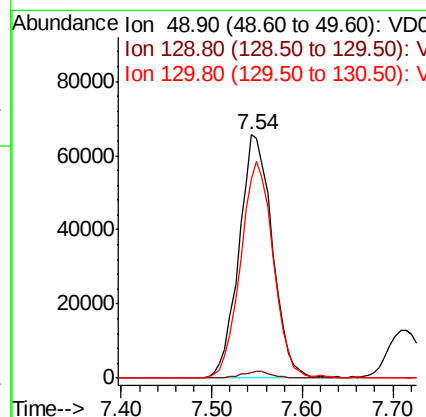
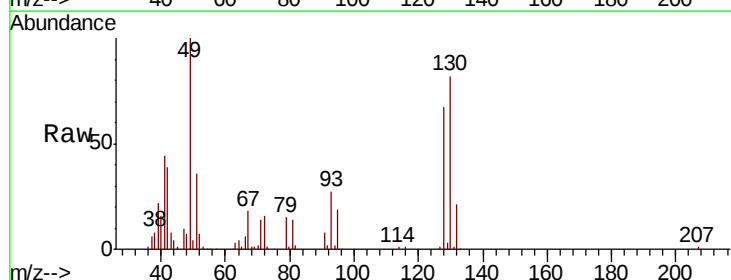
Instrument :
 MSVOA_D
 ClientSampleId :

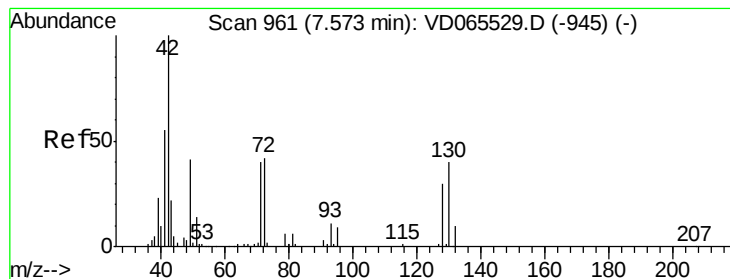
Tot Ion: 96 Resp: 258619
 Ion Ratio Lower Upper
 96 100
 61 139.8 0.0 278.0
 98 65.6 0.0 129.6



#28
 Bromochloromethane
 Concen: 47.744 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD065534.D
 Acq: 27 Mar 2020 10:07

Tgt Ion: 49 Resp: 167468
 Ion Ratio Lower Upper
 49 100
 129 2.6 0.0 4.4
 130 87.7 69.7 104.5





#29

Tetrahydrofuran

Concen: 250.888 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD065534.D

Acq: 27 Mar 2020 10:07

Instrument :

MSVOA_D

ClientSampleId :

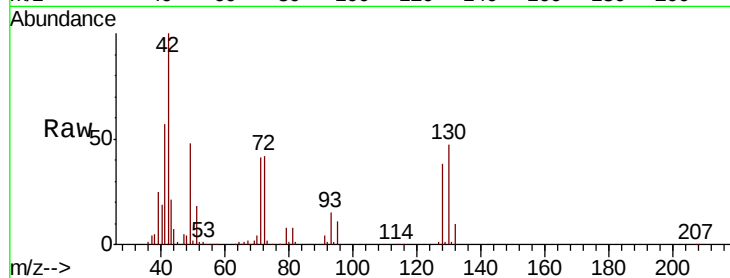
Tot Ion: 42 Resp: 181023

Ion Ratio Lower Upper

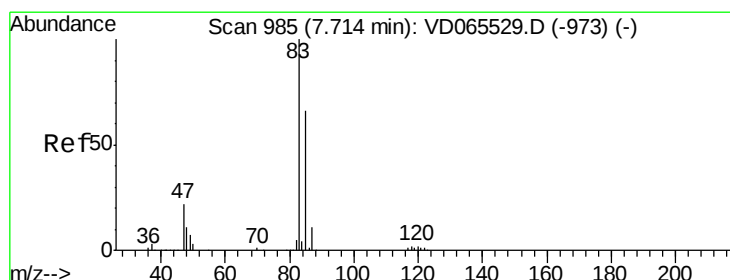
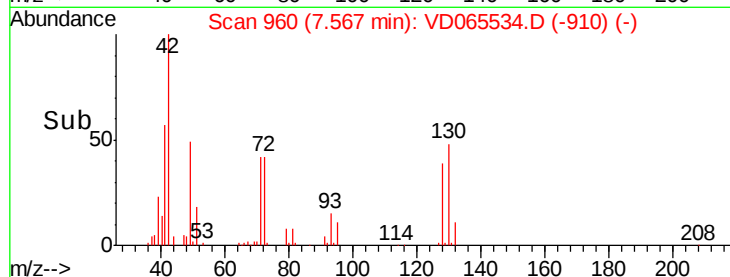
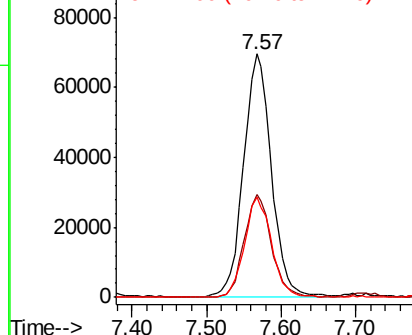
42 100

72 41.0 35.0 52.6

71 39.7 33.0 49.6



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: 48.434 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD065534.D

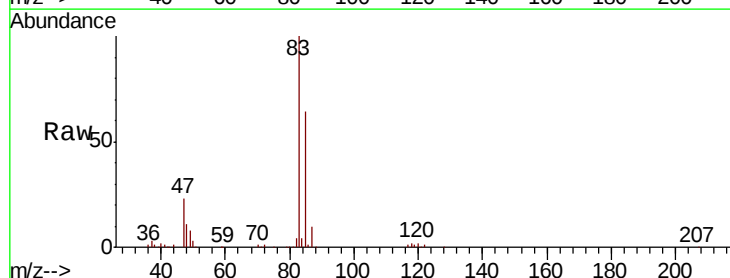
Acq: 27 Mar 2020 10:07

Tgt Ion: 83 Resp: 423244

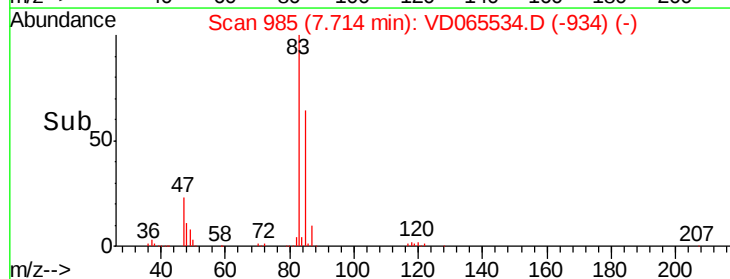
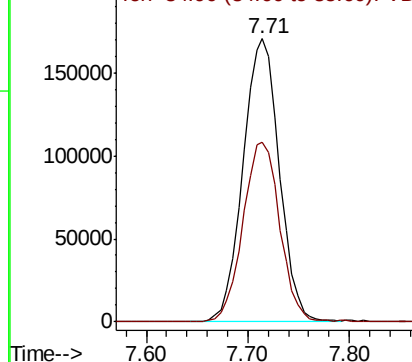
Ion Ratio Lower Upper

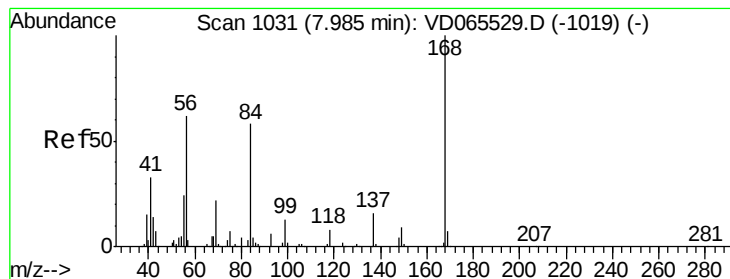
83 100

85 63.7 52.9 79.3



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





#31

Cyclohexane

Concen: 46.521 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065534.D

Acq: 27 Mar 2020 10:07

Instrument :

MSVOA_D

ClientSampled :

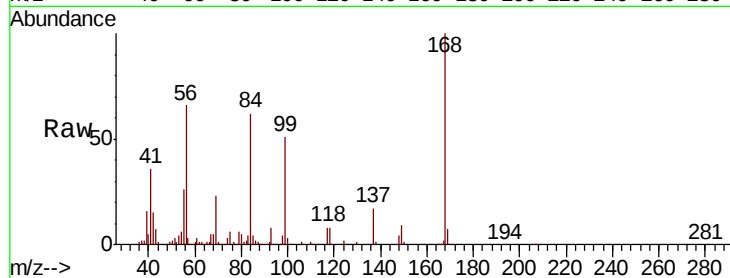
Tot Ion: 56 Resp: 379923

Ion Ratio Lower Upper

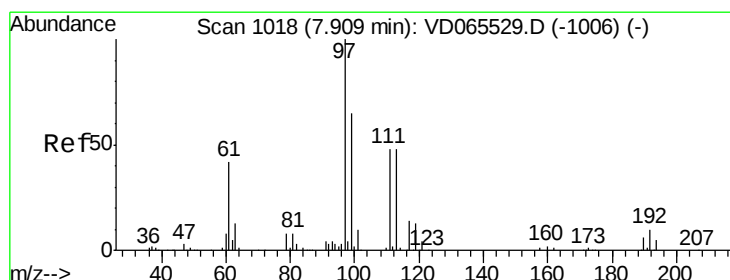
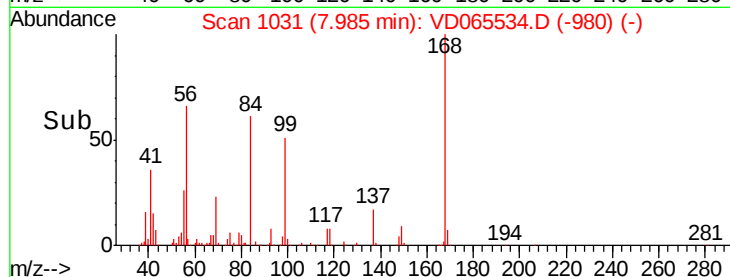
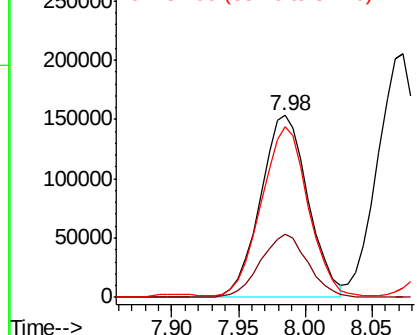
56 100

69 34.5 28.2 42.4

84 92.5 73.4 110.0



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



#32

1,1,1-Trichloroethane

Concen: 48.811 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065534.D

Acq: 27 Mar 2020 10:07

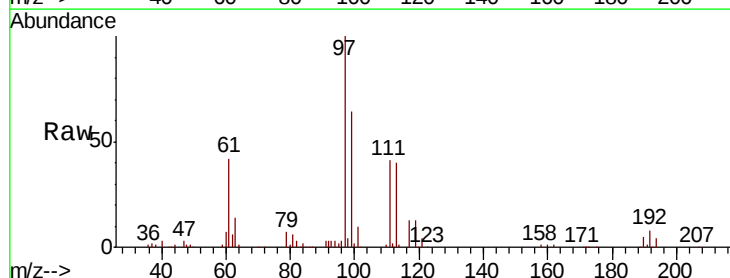
Tgt Ion: 97 Resp: 385350

Ion Ratio Lower Upper

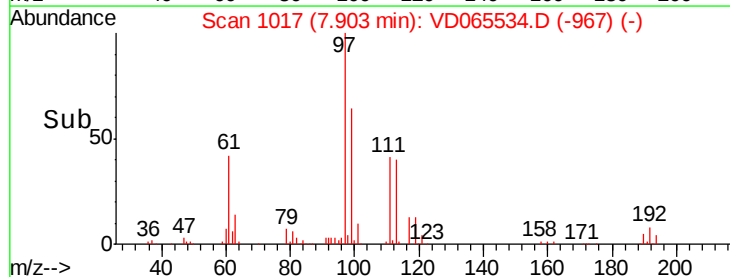
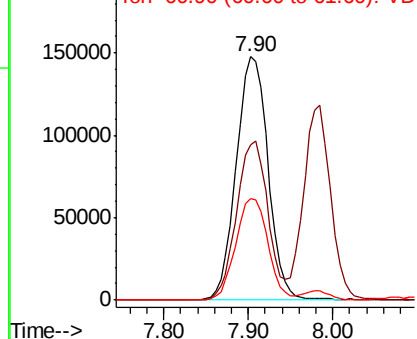
97 100

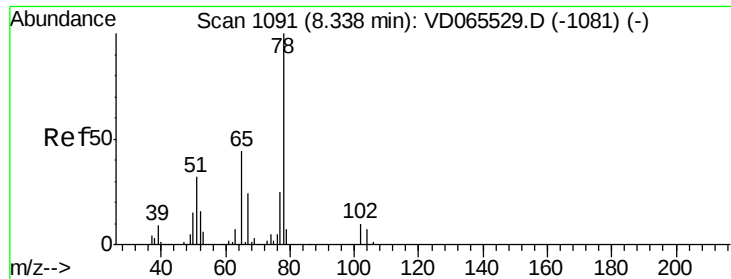
99 64.4 51.2 76.8

61 42.1 33.4 50.2



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





#33

1,2-Dichloroethane-d4

Concen: 49.502 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065534.D

Acq: 27 Mar 2020 10:07

Instrument :

MSVOA_D

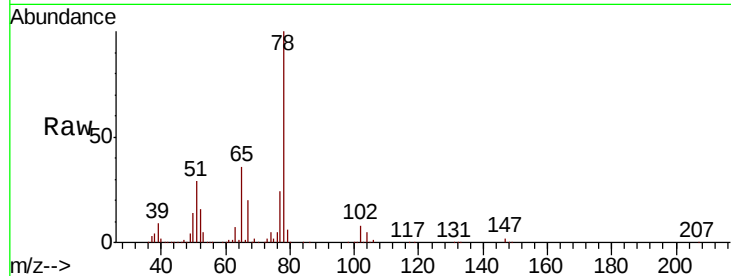
ClientSampled :

Tot Ion: 65 Resp: 215060

Ion Ratio Lower Upper

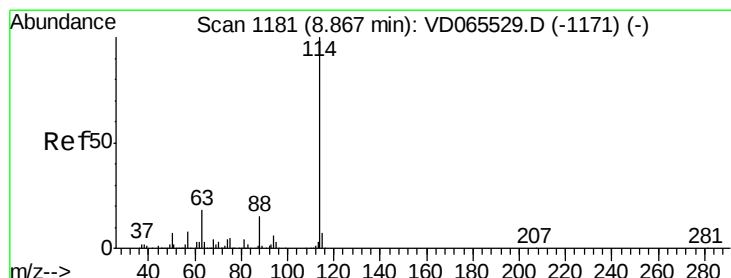
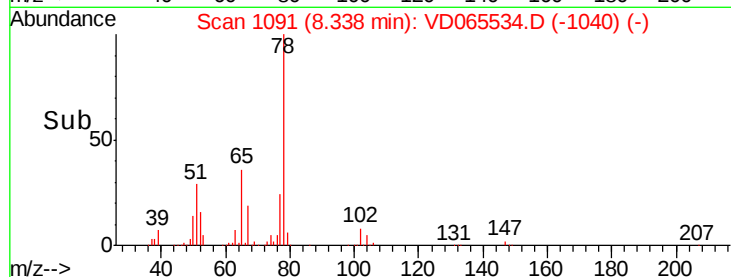
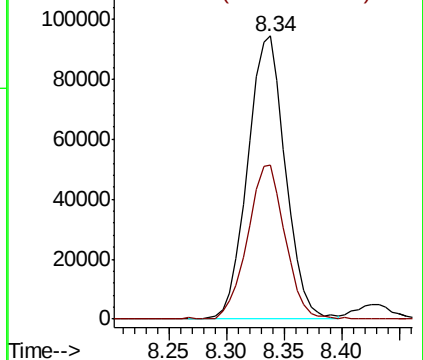
65 100

67 54.2 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): V

Ion 66.90 (66.60 to 67.60): V



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065534.D

Acq: 27 Mar 2020 10:07

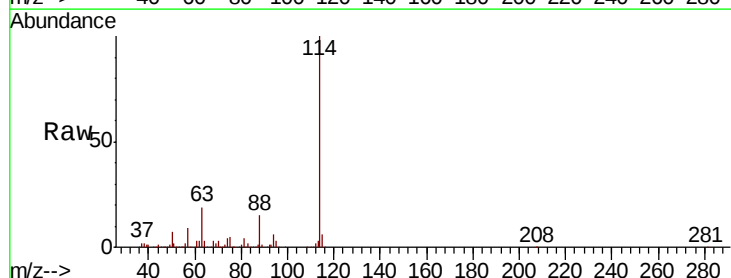
Tgt Ion:114 Resp: 722684

Ion Ratio Lower Upper

114 100

63 18.9 0.0 37.0

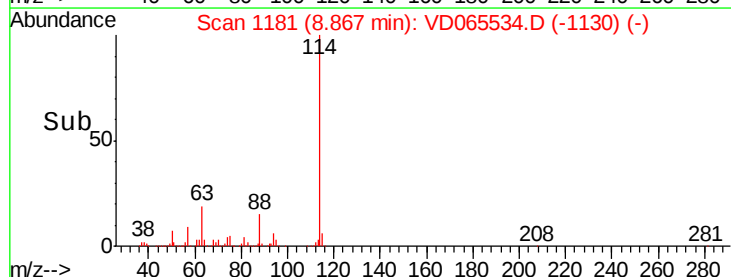
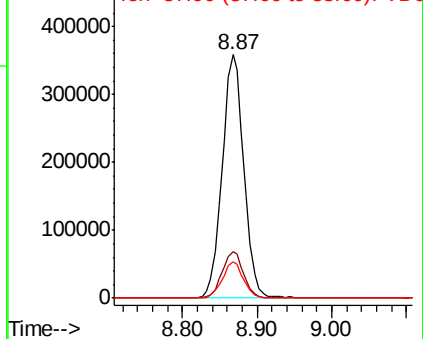
88 14.9 0.0 30.4

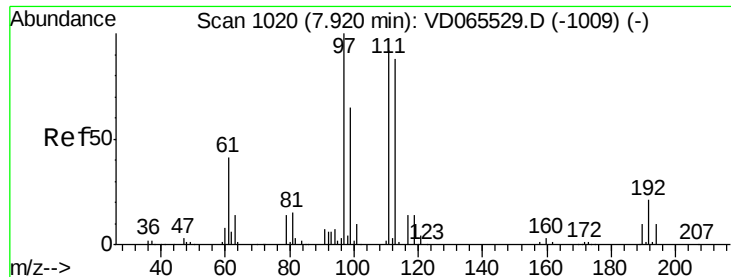


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V

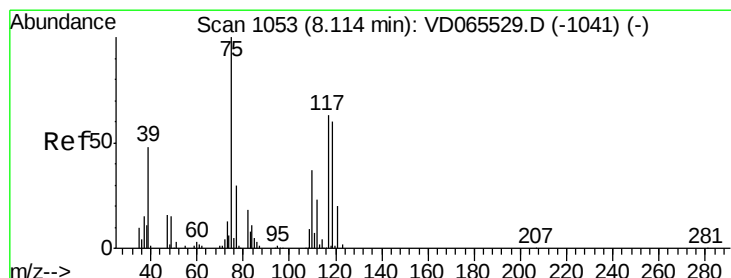
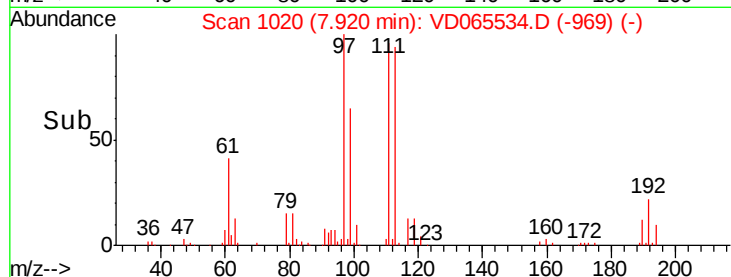
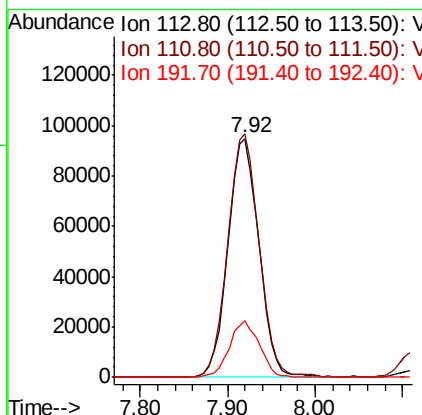
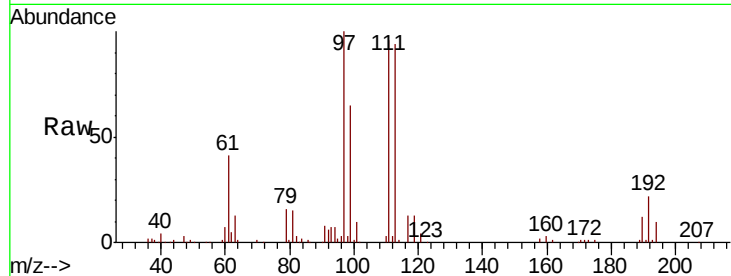




#35
 Dibromofluoromethane
 Concen: 51.309 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065534.D
 Acq: 27 Mar 2020 10:07

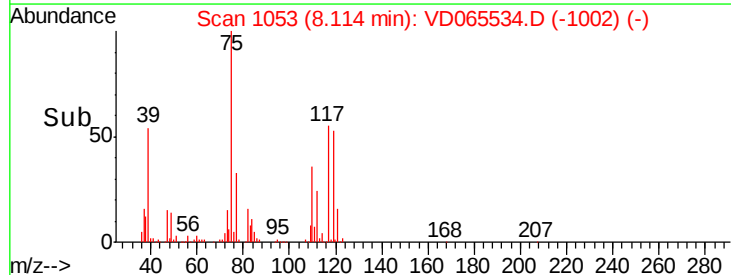
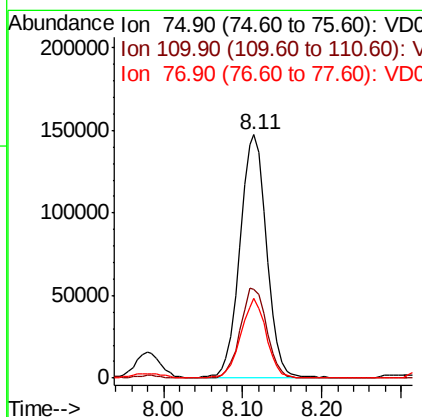
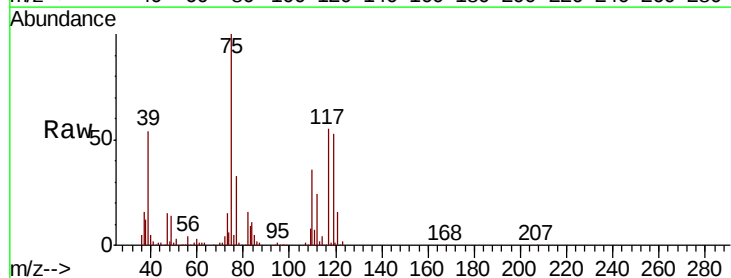
Instrument :
 MSVOA_D
 ClientSampleId :

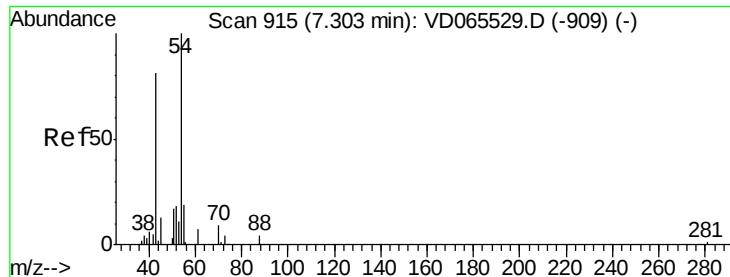
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	83.3	124.9
192	22.9	18.5	27.7



#36
 1,1-Dichloropropene
 Concen: 51.780 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065534.D
 Acq: 27 Mar 2020 10:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.9	18.8	56.4
77	31.8	25.1	37.7

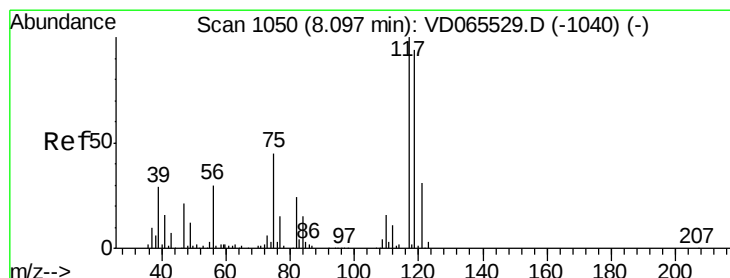
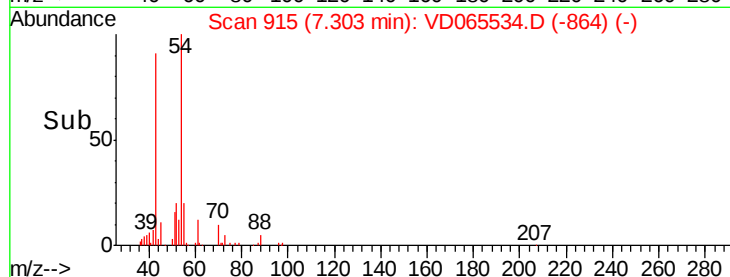
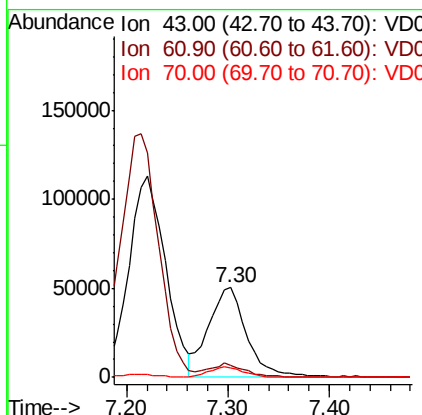
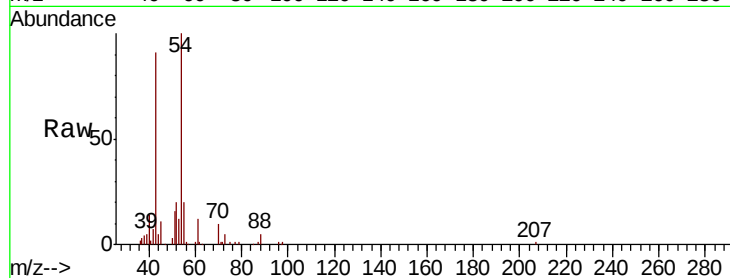




#37
Ethyl Acetate
Concen: 50.932 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD065534.D
Acq: 27 Mar 2020 10:07

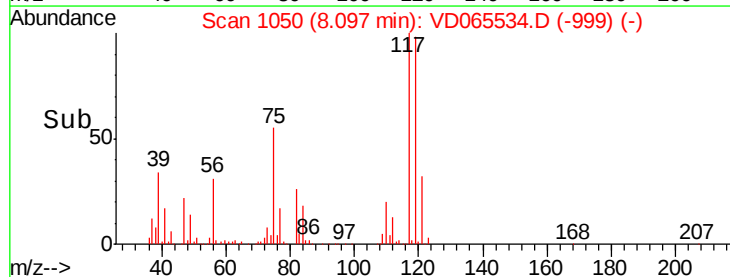
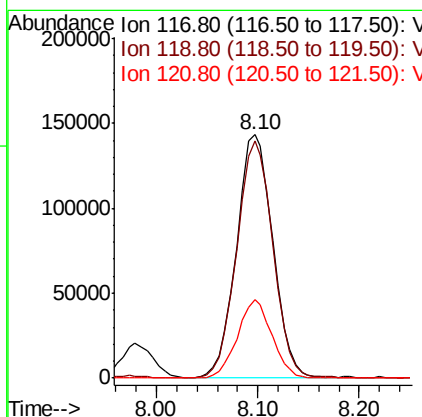
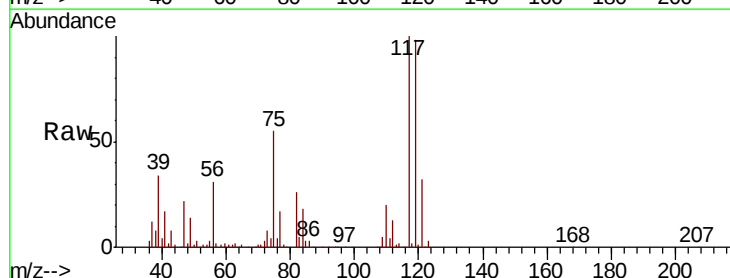
Instrument :
MSVOA_D
ClientSampleId :

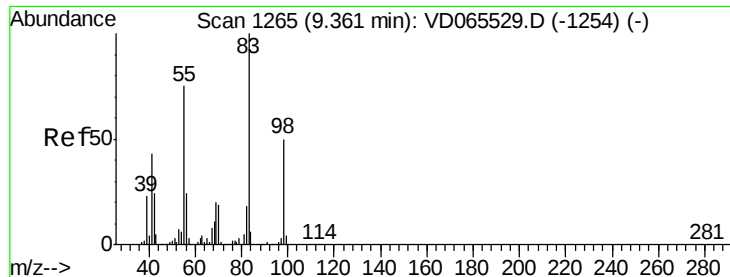
Tot Ion: 43 Resp: 128728
Ion Ratio Lower Upper
43 100
61 15.9 12.2 18.4
70 10.1 8.4 12.6



#38
Carbon Tetrachloride
Concen: 51.212 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065534.D
Acq: 27 Mar 2020 10:07

Tgt Ion: 117 Resp: 356155
Ion Ratio Lower Upper
117 100
119 97.6 75.2 112.8
121 32.4 24.5 36.7

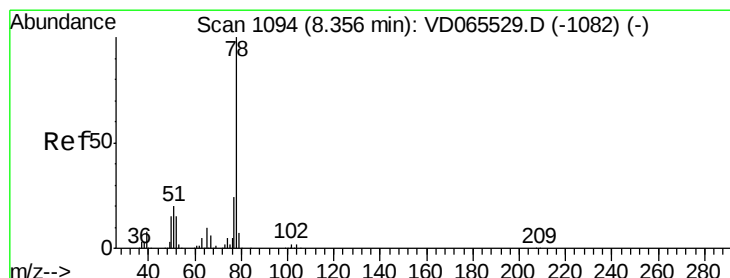
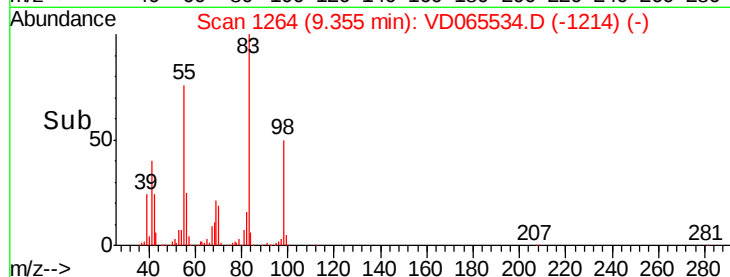
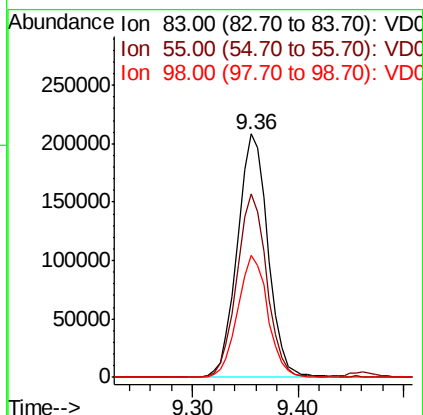
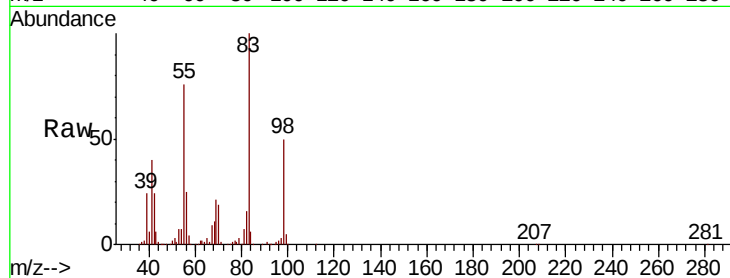




#39
Methvlcvclohexane
Concen: 53.727 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065534.D
Acq: 27 Mar 2020 10:07

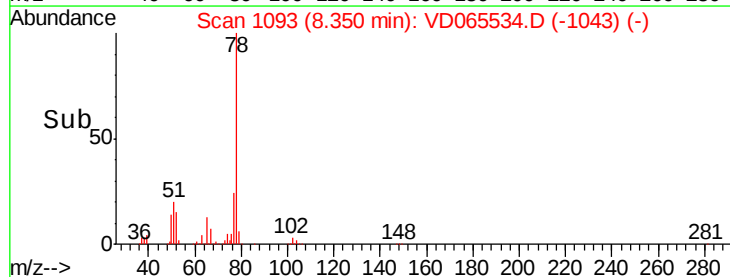
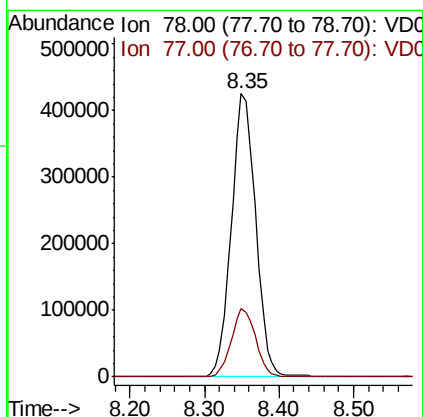
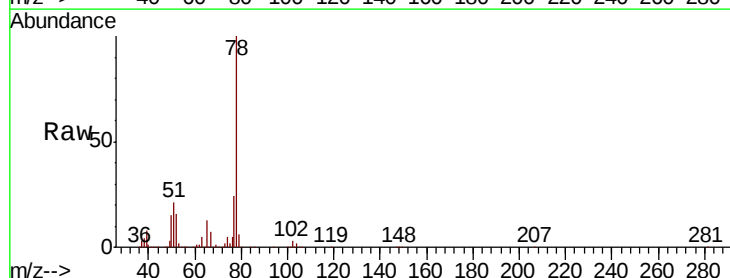
Instrument :
MSVOA_D
ClientSampled :

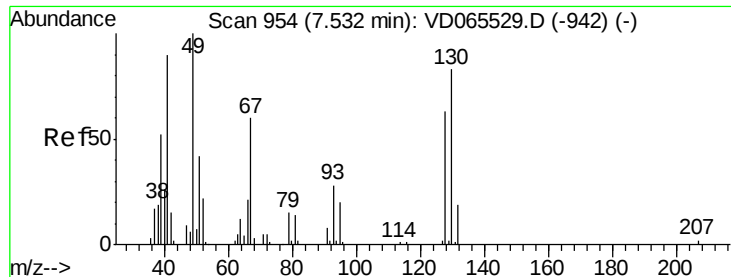
Tot Ion: 83 Resp: 418246
Ion Ratio Lower Upper
83 100
55 75.6 59.7 89.5
98 50.1 40.2 60.2



#40
Benzene
Concen: 51.453 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065534.D
Acq: 27 Mar 2020 10:07

Tgt Ion: 78 Resp: 969441
Ion Ratio Lower Upper
78 100
77 24.2 19.1 28.7





#41

Methacrylonitrile

Concen: 51.496 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD065534.D

Acq: 27 Mar 2020 10:07

Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 41 Resp: 75130

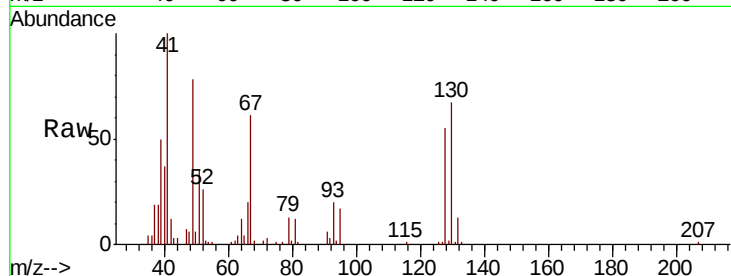
Ion Ratio Lower Upper

41 100

39 52.6 42.9 64.3

67 68.0 60.5 90.7

52 29.1 24.5 36.7

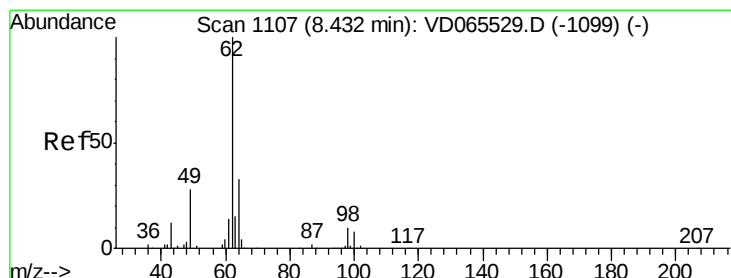
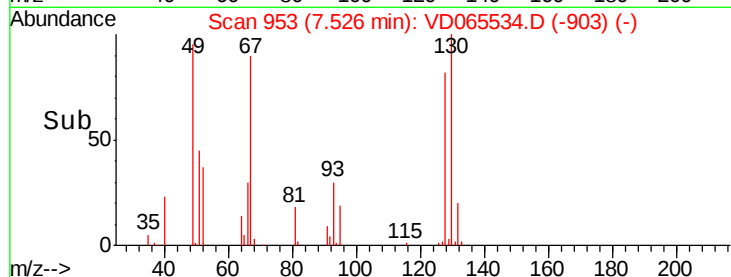
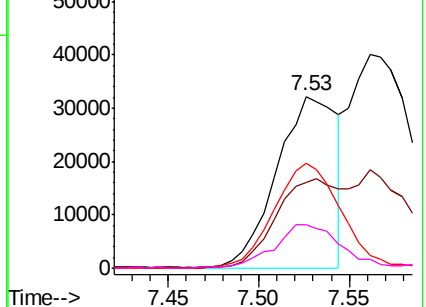


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 50.863 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VD065534.D

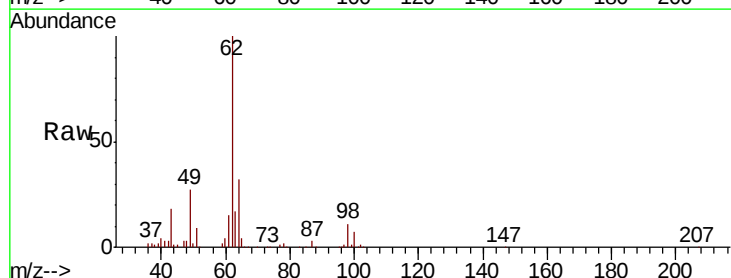
Acq: 27 Mar 2020 10:07

Tgt Ion: 62 Resp: 255008

Ion Ratio Lower Upper

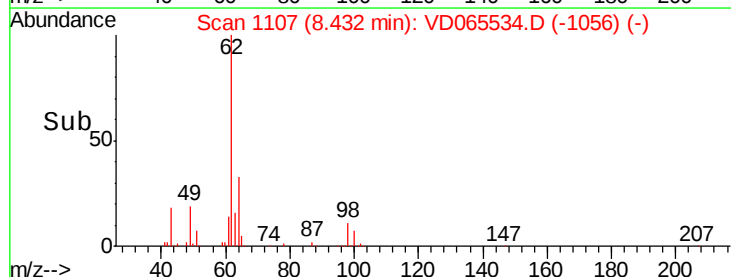
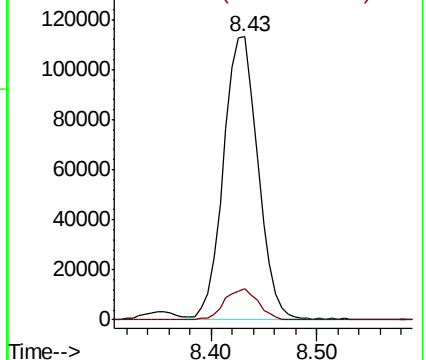
62 100

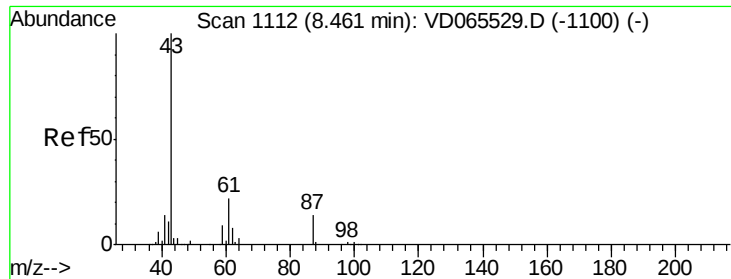
98 10.7 0.0 21.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 49.894 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065534.D

Acq: 27 Mar 2020 10:07

Instrument :

MSVOA_D

ClientSampleId :

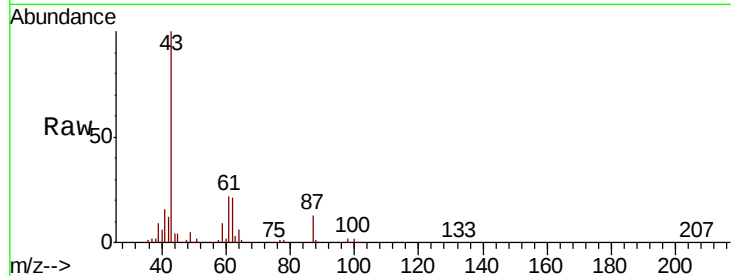
Tot Ion: 43 Resp: 228999

Ion Ratio Lower Upper

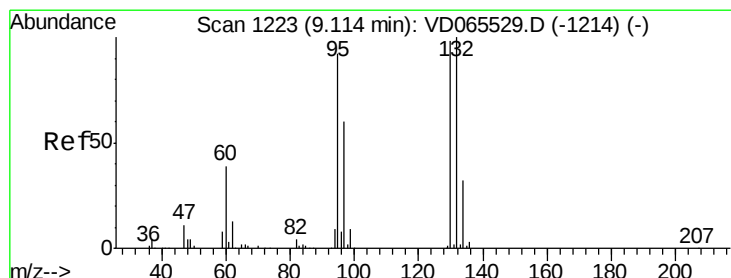
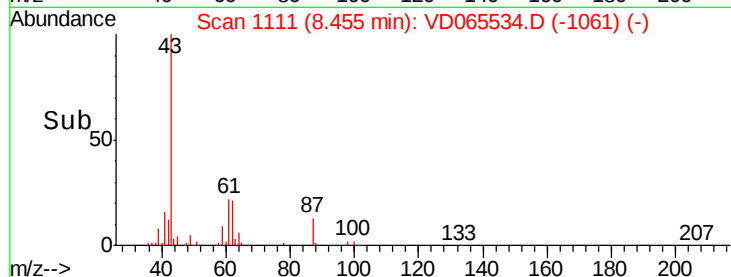
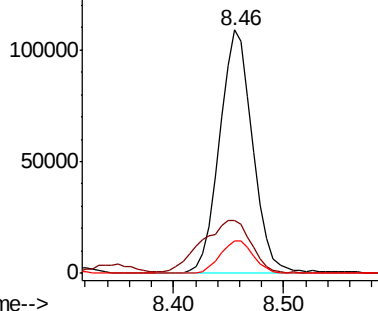
43 100

61 32.6 25.0 37.4

87 13.6 11.0 16.4



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: 50.212 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065534.D

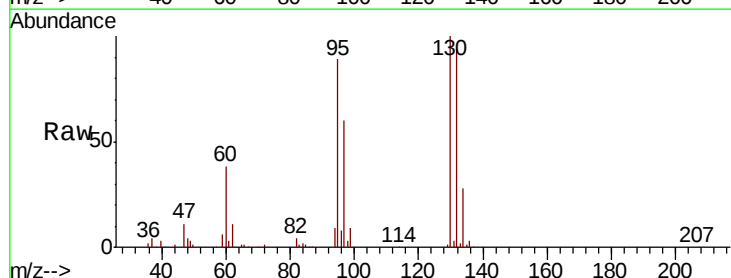
Acq: 27 Mar 2020 10:07

Tgt Ion:130 Resp: 274506

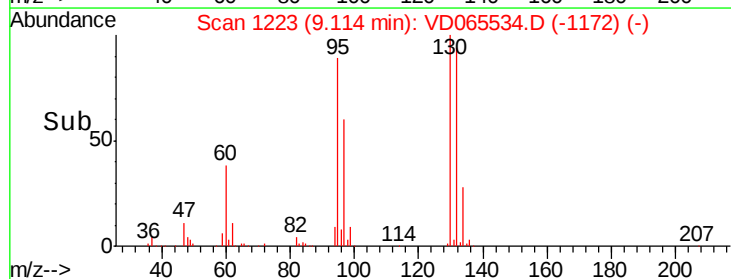
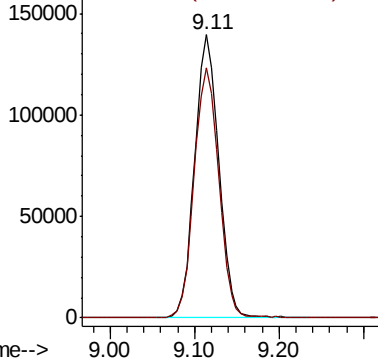
Ion Ratio Lower Upper

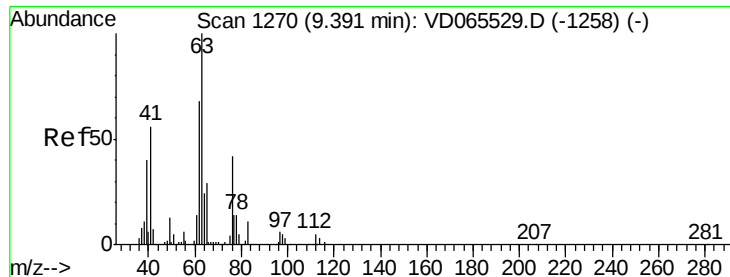
130 100

95 88.6 0.0 187.0



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





#45

1,2-Dichloropropane

Concen: 51.486 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065534.D

Acq: 27 Mar 2020 10:07

Instrument :

MSVOA_D

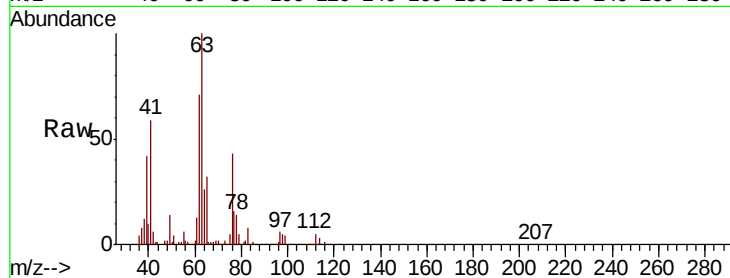
ClientSampled :

Tot Ion: 63 Resp: 235646

Ion Ratio Lower Upper

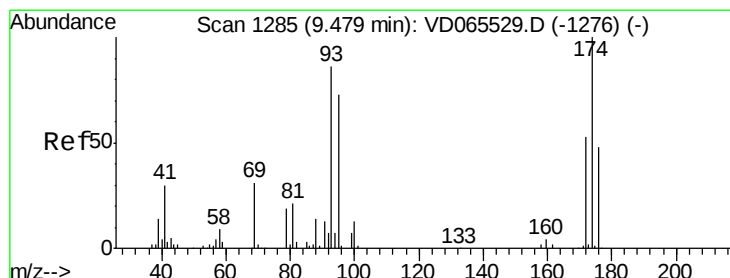
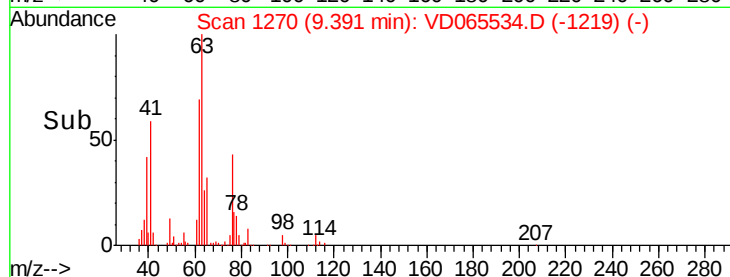
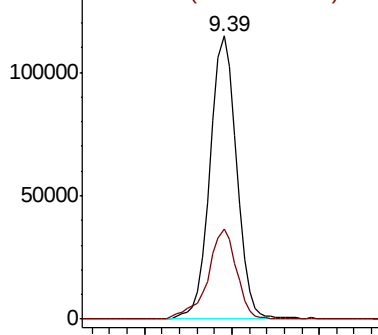
63 100

65 32.0 23.5 35.3



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 51.147 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065534.D

Acq: 27 Mar 2020 10:07

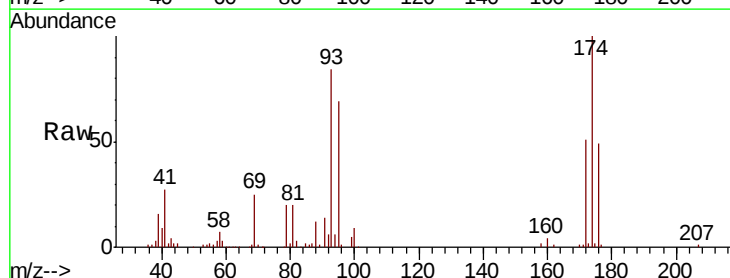
Tgt Ion: 93 Resp: 122837

Ion Ratio Lower Upper

93 100

95 83.7 67.3 100.9

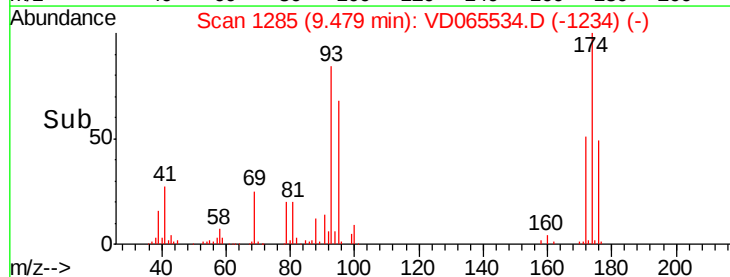
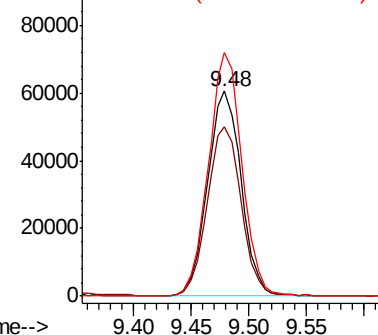
174 118.3 92.5 138.7

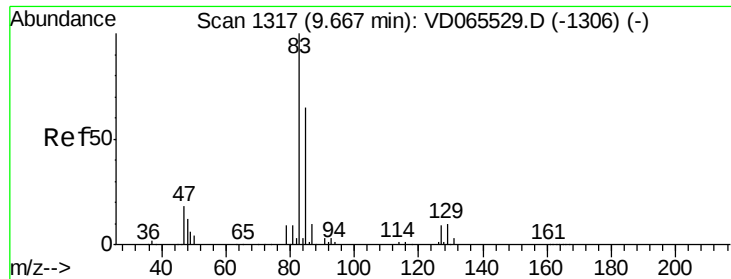


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 50.169 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065534.D

Acq: 27 Mar 2020 10:07

Instrument :

MSVOA_D

ClientSampleId :

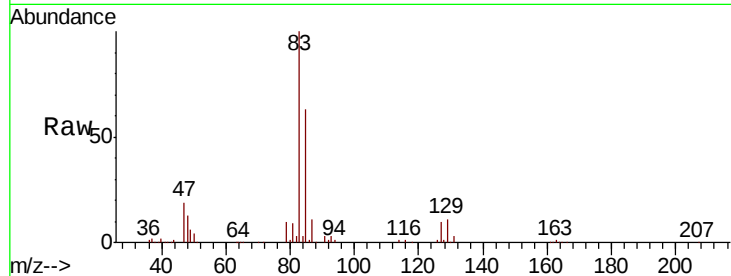
Tot Ion: 83 Resp: 319191

Ion Ratio Lower Upper

83 100

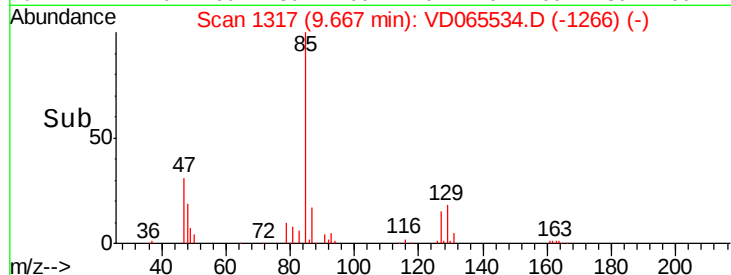
85 63.3 52.2 78.2

127 9.6 7.1 10.7

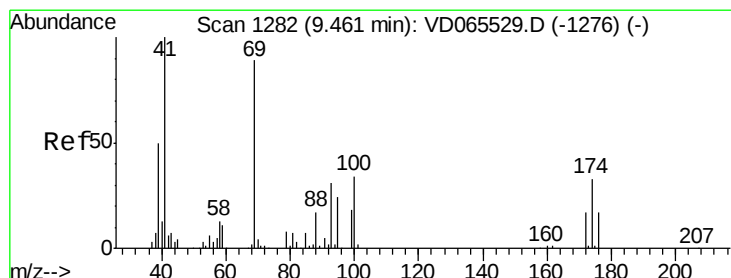


Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC

9.67



Time-->



#48

Methyl methacrylate

Concen: 50.675 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD065534.D

Acq: 27 Mar 2020 10:07

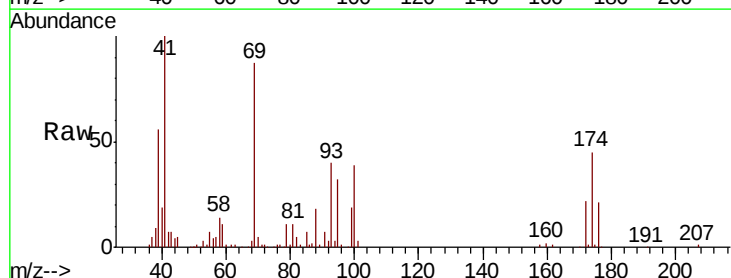
Tgt Ion: 41 Resp: 110591

Ion Ratio Lower Upper

41 100

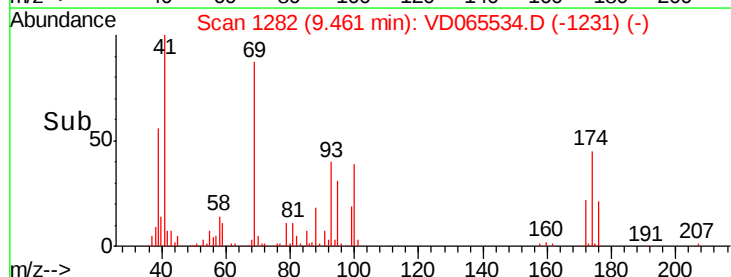
69 93.4 71.8 107.6

39 53.9 42.2 63.4

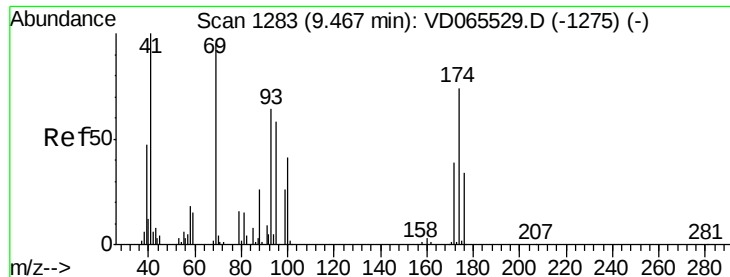


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC

9.46



Time-->



#49

1,4-Dioxane

Concen: 1020.593 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VD065534.D

Acq: 27 Mar 2020 10:07

Instrument :

MSVOA_D

ClientSampleId :

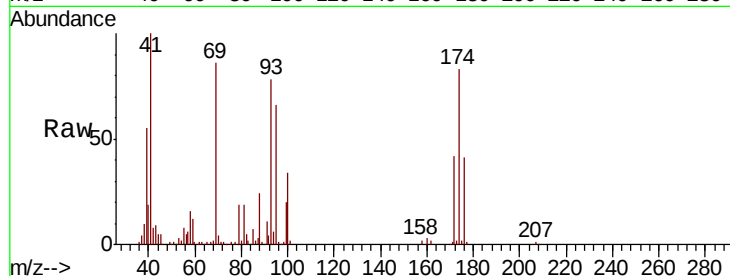
Tot Ion: 88 Resp: 26653

Ion Ratio Lower Upper

88 100

43 36.3 26.0 39.0

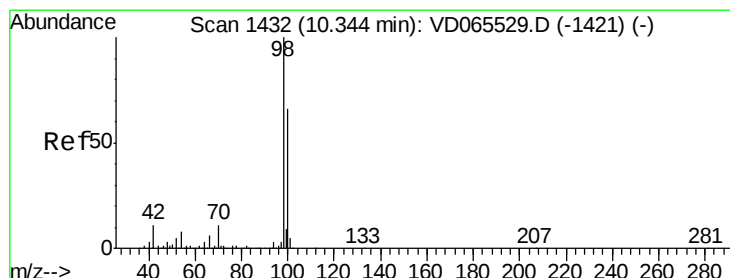
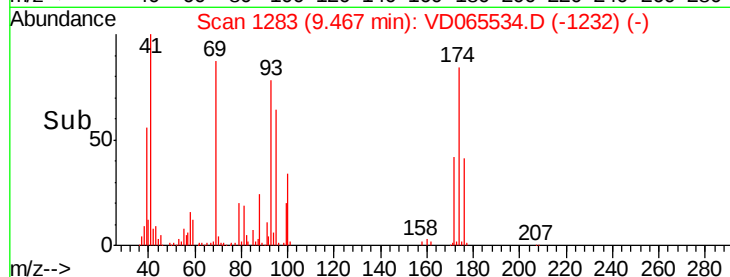
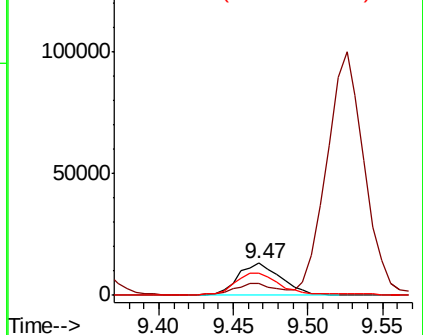
58 71.1 54.6 82.0



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 53.229 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065534.D

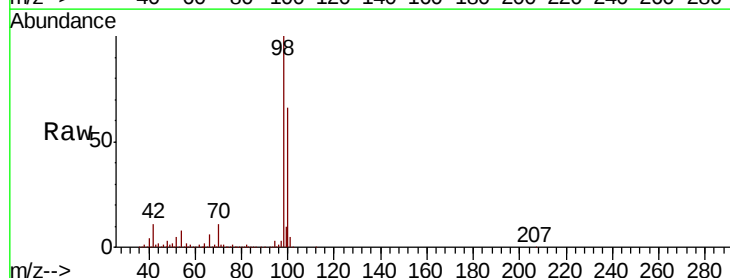
Acq: 27 Mar 2020 10:07

Tgt Ion: 98 Resp: 891427

Ion Ratio Lower Upper

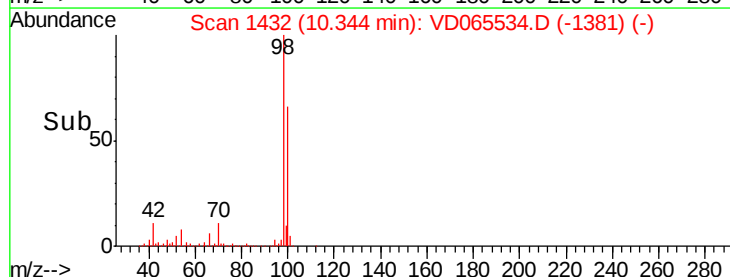
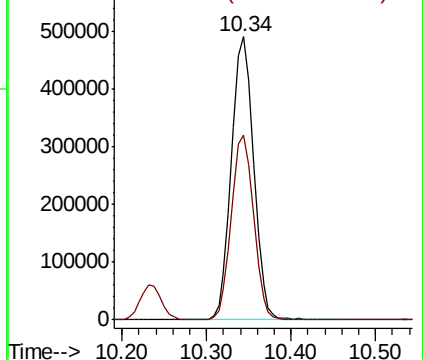
98 100

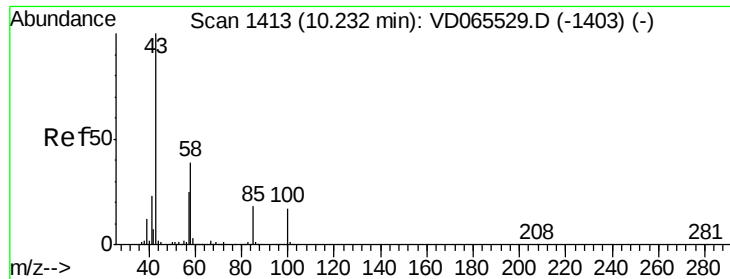
100 65.2 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 269.255 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD065534.D

Acq: 27 Mar 2020 10:07

Instrument :

MSVOA_D

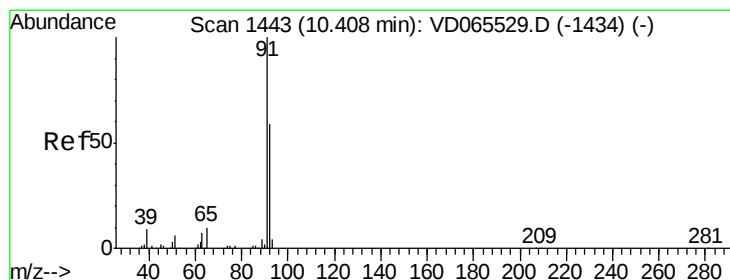
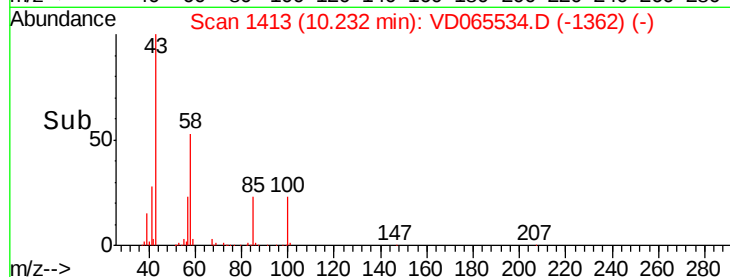
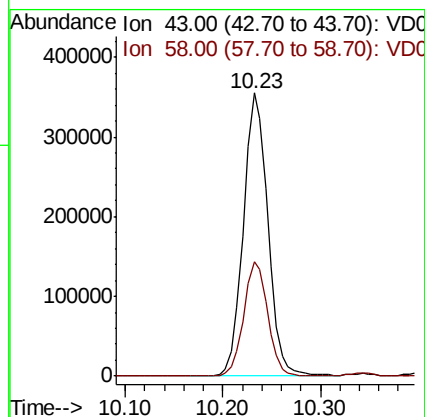
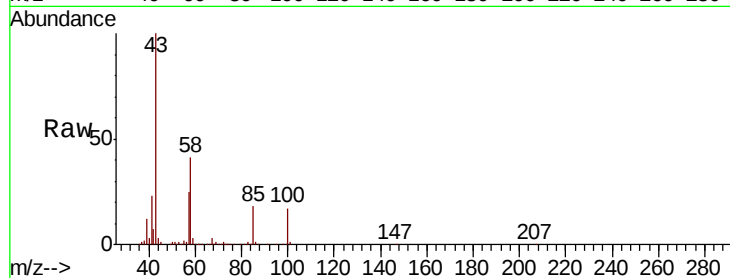
ClientSampled :

Tot Ion: 43 Resp: 623648

Ion Ratio Lower Upper

43 100

58 39.8 31.4 47.2



#52

Toluene

Concen: 52.399 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065534.D

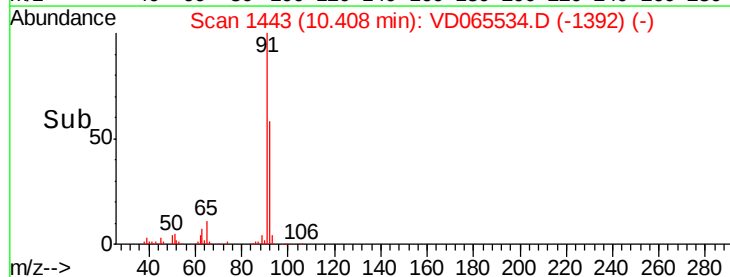
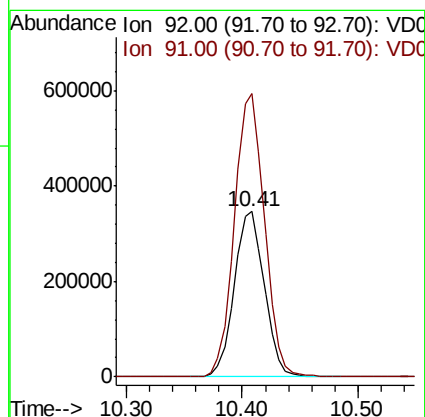
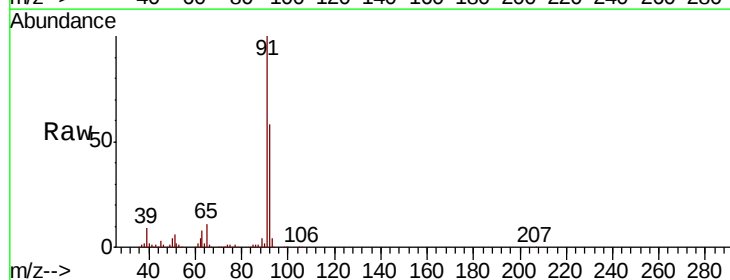
Acq: 27 Mar 2020 10:07

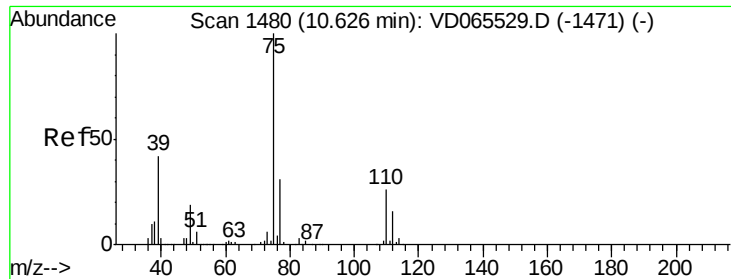
Tgt Ion: 92 Resp: 625241

Ion Ratio Lower Upper

92 100

91 171.9 137.3 205.9





#53

t-1,3-Dichloropropene

Concen: 51.509 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065534.D

Acq: 27 Mar 2020 10:07

Instrument :

MSVOA_D

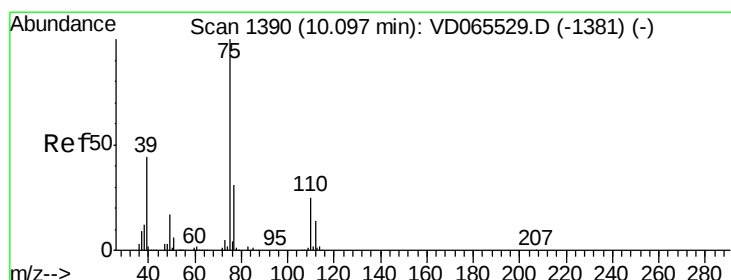
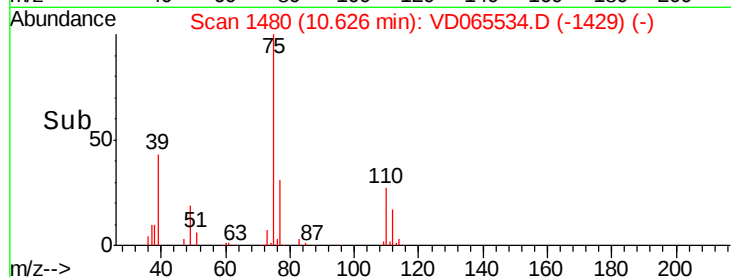
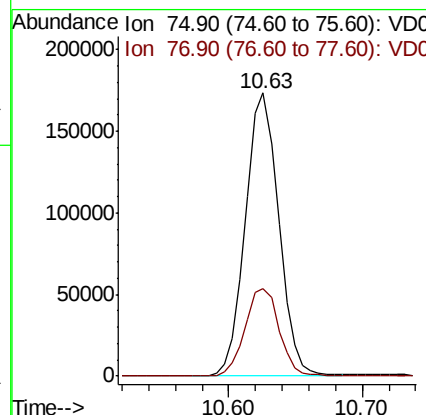
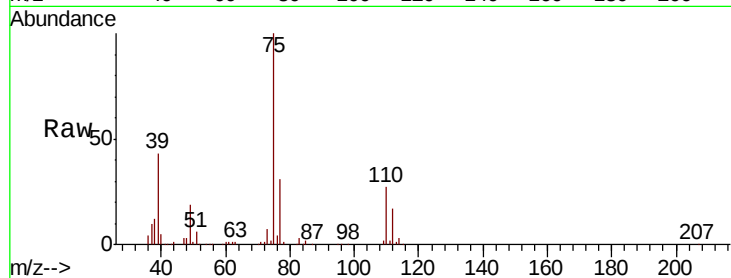
ClientSampleId :

Tot Ion: 75 Resp: 299731

Ion Ratio Lower Upper

75 100

77 31.0 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 51.637 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065534.D

Acq: 27 Mar 2020 10:07

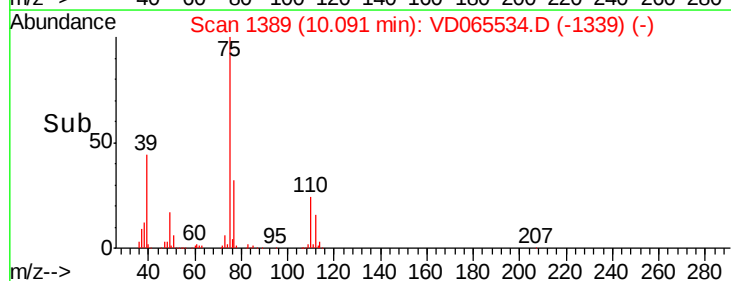
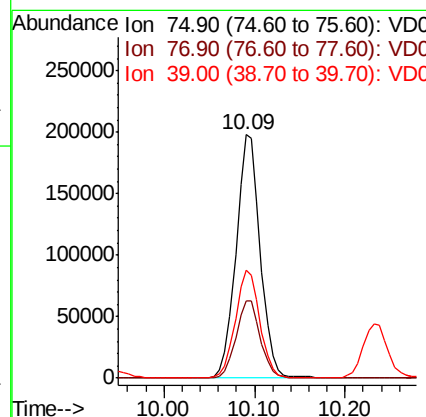
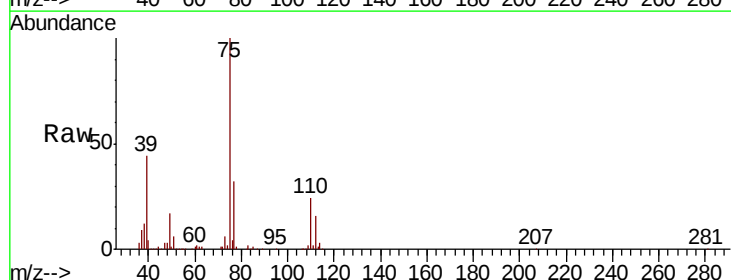
Tgt Ion: 75 Resp: 367627

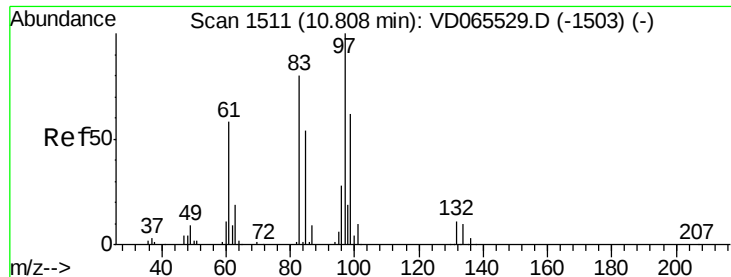
Ion Ratio Lower Upper

75 100

77 31.9 24.6 36.8

39 44.2 35.4 53.2





#55

1,1,2-Trichloroethane

Concen: 50.310 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. -0.00 min

Lab File: VD065534.D

Acq: 27 Mar 2020 10:07

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 172365

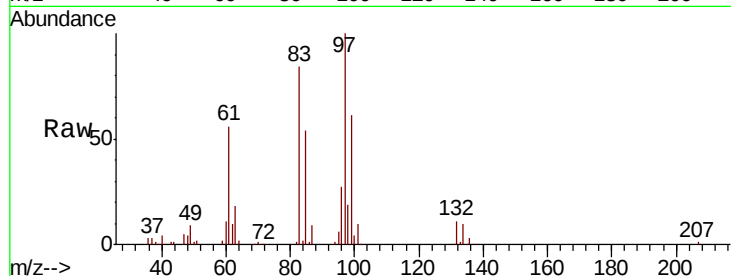
Ion Ratio Lower Upper

97 100

83 83.6 63.8 95.6

85 53.8 42.9 64.3

99 60.9 49.9 74.9



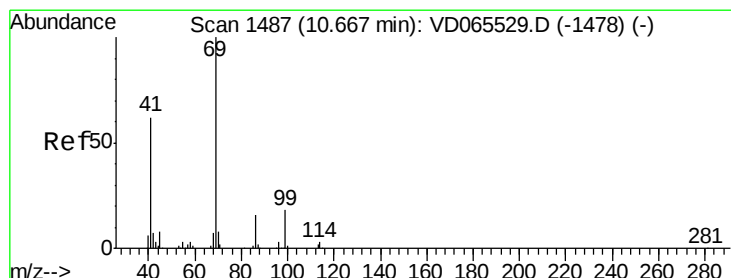
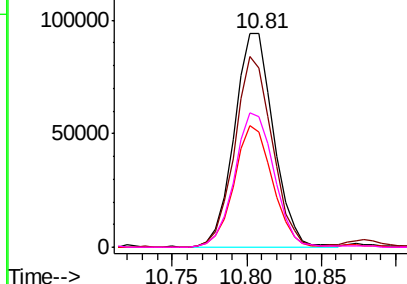
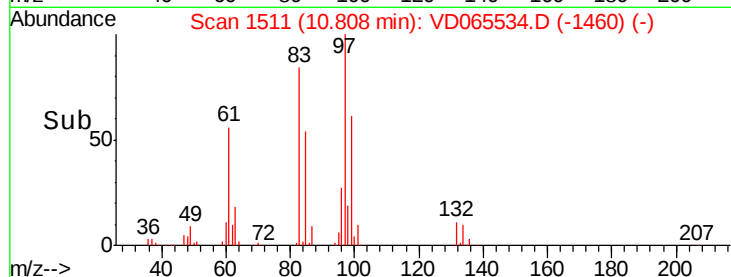
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 46.943 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD065534.D

Acq: 27 Mar 2020 10:07

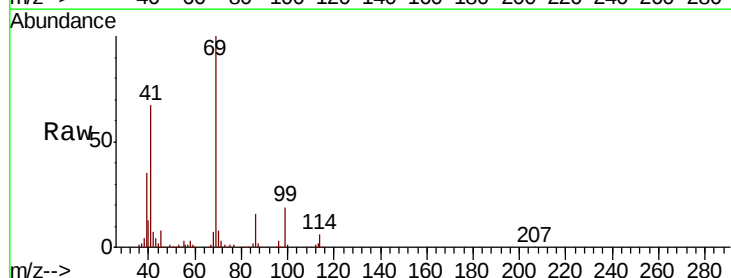
Tgt Ion: 69 Resp: 195502

Ion Ratio Lower Upper

69 100

41 65.7 51.3 76.9

39 31.0 25.3 37.9

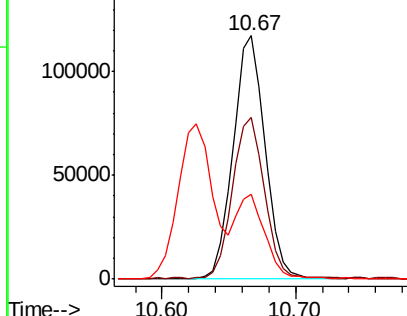
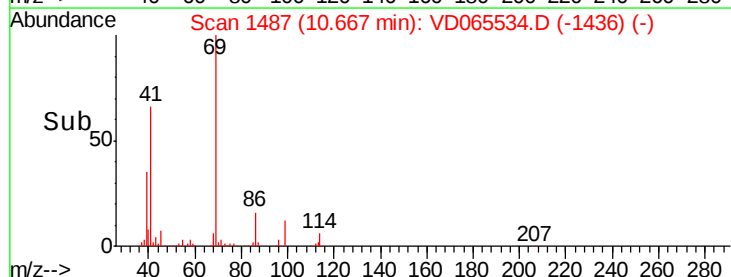


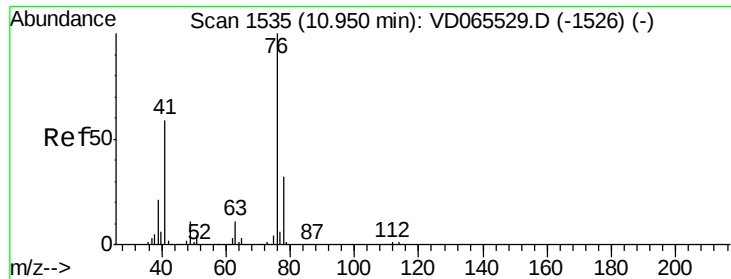
Abundance

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

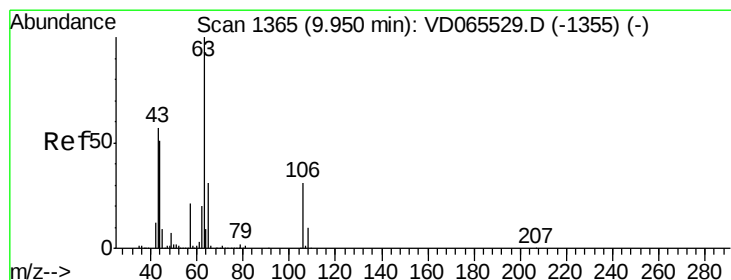
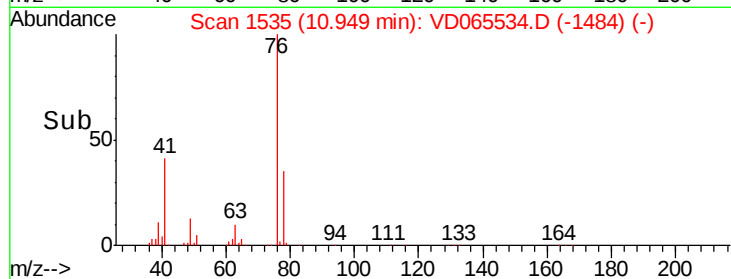
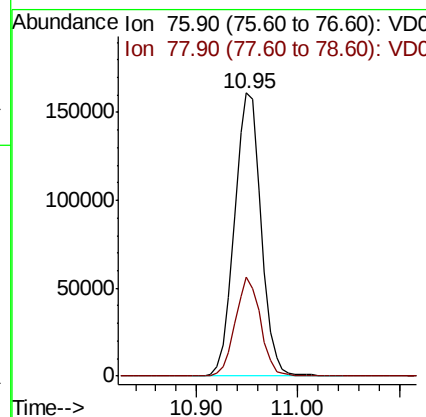
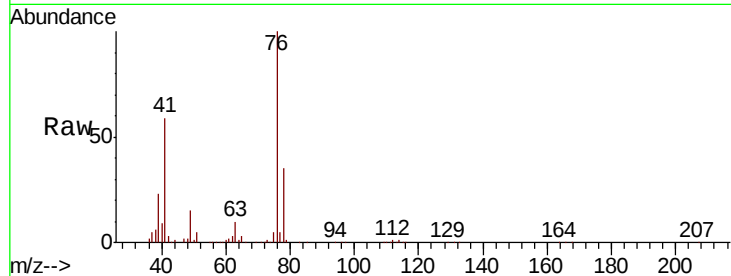




#57
 1,3-Dichloropropane
 Concen: 50.761 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065534.D
 Acq: 27 Mar 2020 10:07

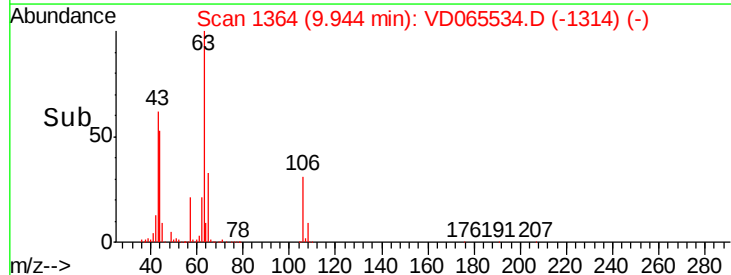
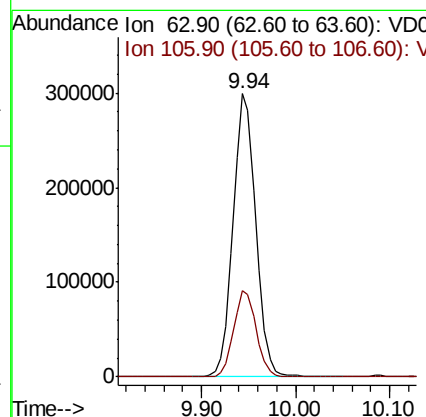
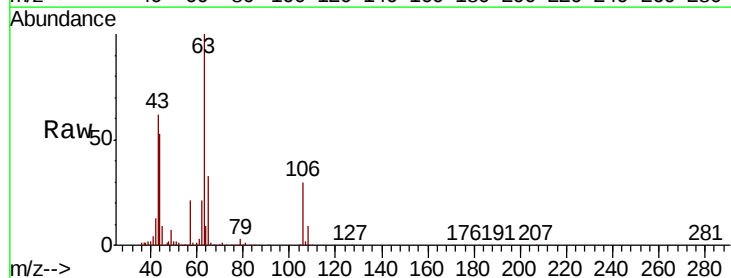
Instrument :
 MSVOA_D
 ClientSampleId :

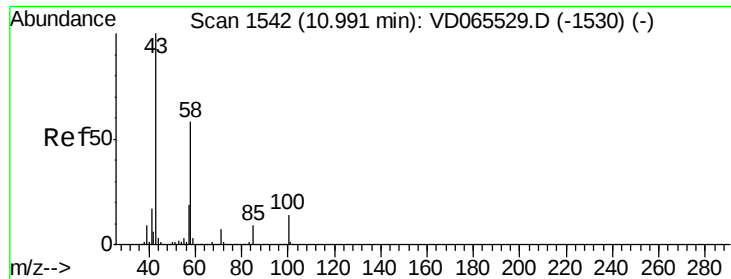
Tot Ion: 76 Resp: 292650
 Ion Ratio Lower Upper
 76 100
 78 33.2 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 258.291 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD065534.D
 Acq: 27 Mar 2020 10:07

Tgt Ion: 63 Resp: 502158
 Ion Ratio Lower Upper
 63 100
 106 30.4 24.3 36.5

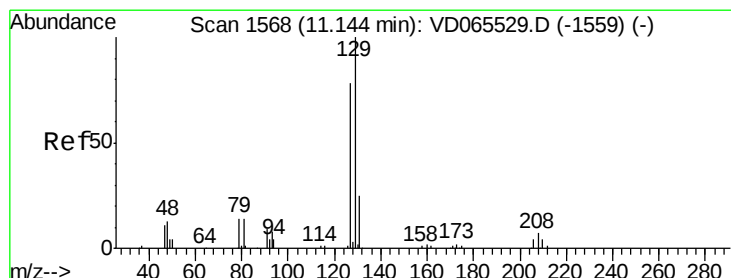
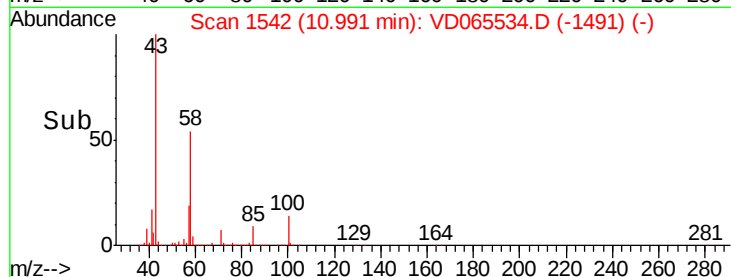
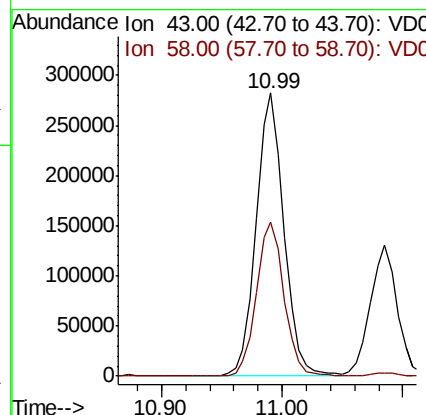
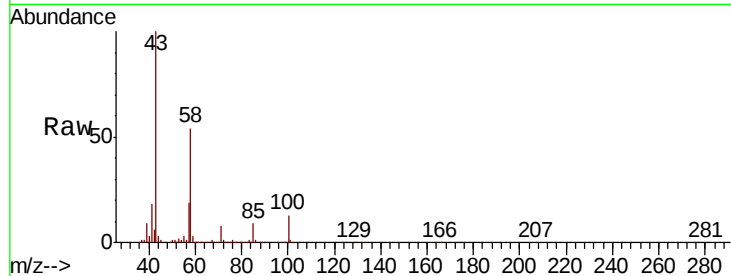




#59
2-Hexanone
Concen: 287.370 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065534.D
Acq: 27 Mar 2020 10:07

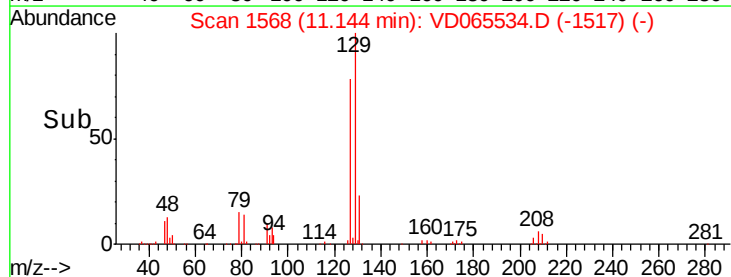
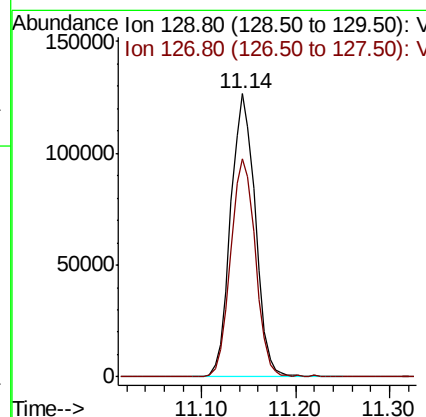
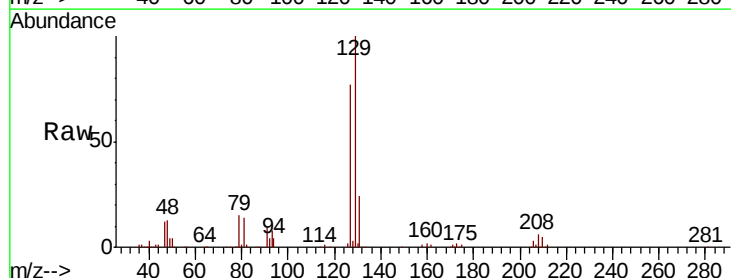
Instrument :
MSVOA_D
ClientSampleId :

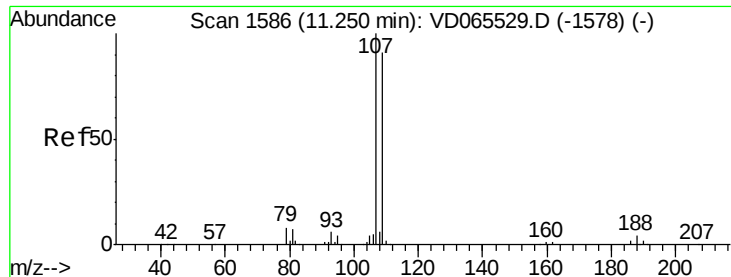
Tot Ion: 43 Resp: 453826
Ion Ratio Lower Upper
43 100
58 54.2 27.9 83.7



#60
Dibromochloromethane
Concen: 50.790 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065534.D
Acq: 27 Mar 2020 10:07

Tgt Ion: 129 Resp: 230598
Ion Ratio Lower Upper
129 100
127 77.5 38.9 116.6

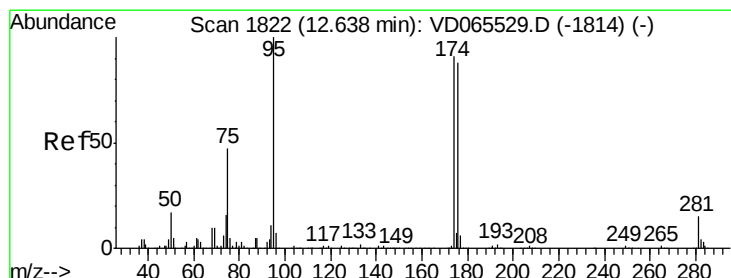
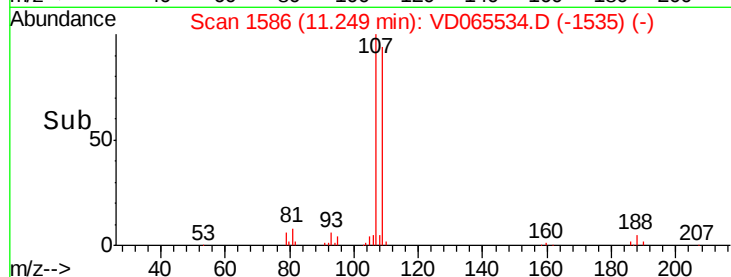
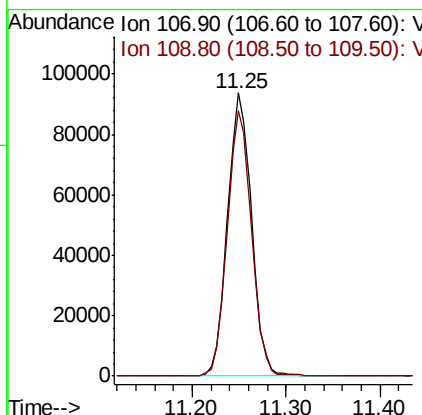
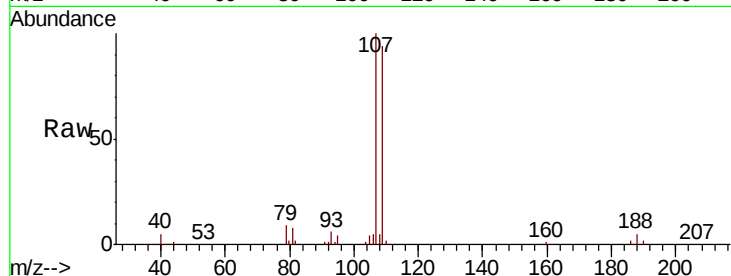




#61
 1,2-Dibromoethane
 Concen: 50.103 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065534.D
 Acq: 27 Mar 2020 10:07

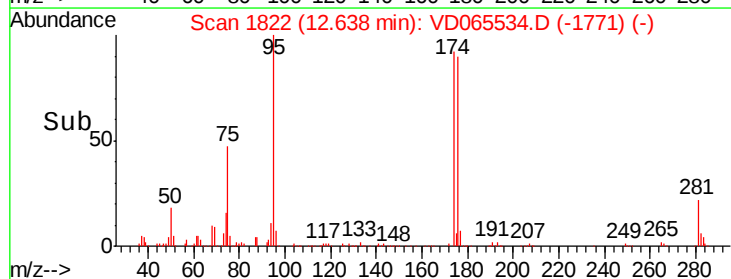
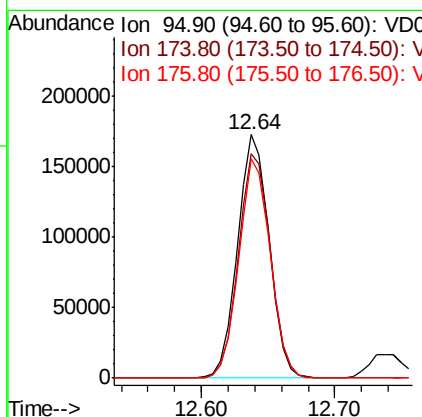
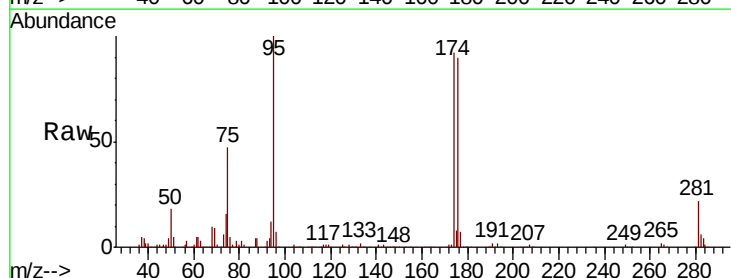
Instrument :
 MSVOA_D
 ClientSampled :

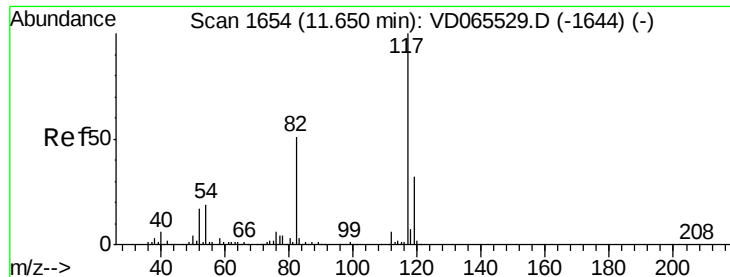
Tot Ion:107 Resp: 166135
 Ion Ratio Lower Upper
 107 100
 109 94.6 74.9 112.3



#62
 4-Bromofluorobenzene
 Concen: 52.925 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065534.D
 Acq: 27 Mar 2020 10:07

Tgt Ion: 95 Resp: 281310
 Ion Ratio Lower Upper
 95 100
 174 93.6 0.0 183.8
 176 90.1 0.0 178.2

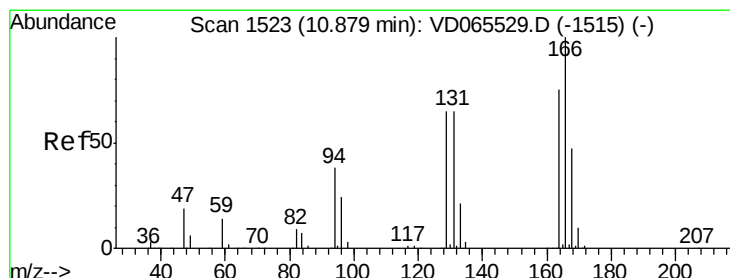
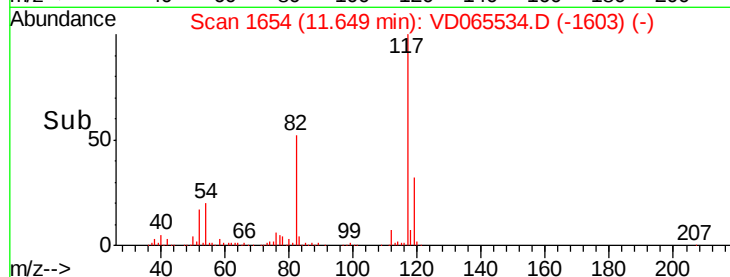
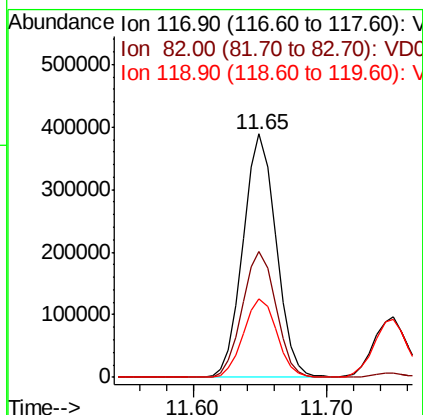
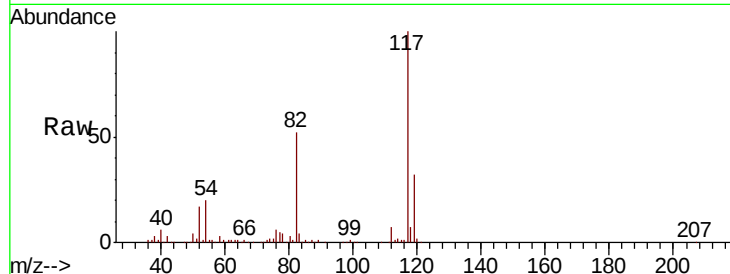




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065534.D
Acq: 27 Mar 2020 10:07

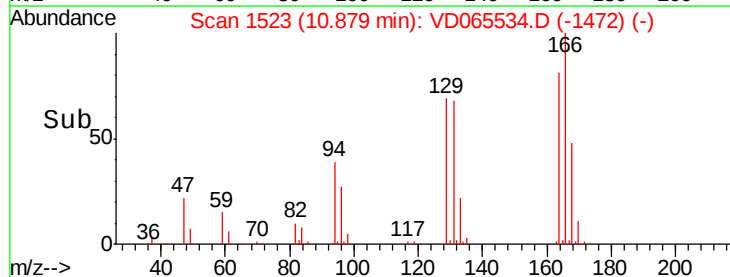
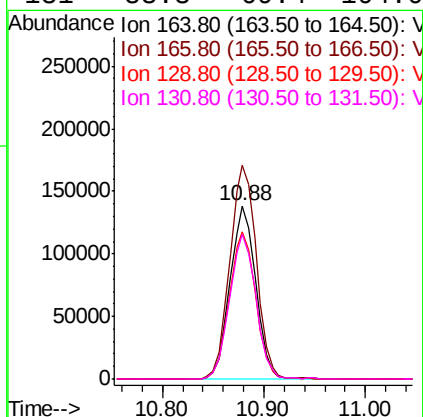
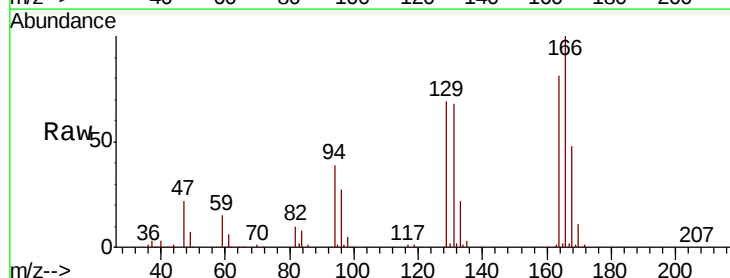
Instrument :
MSVOA_D
ClientSampled :

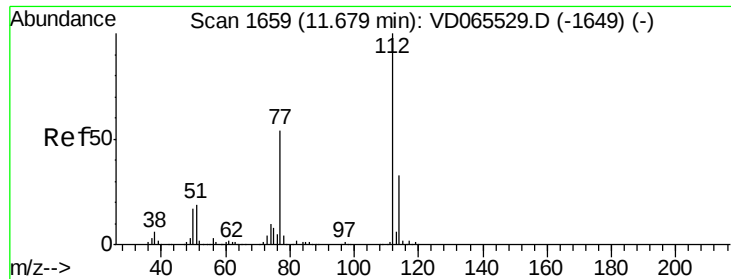
Tot Ion:117 Resp: 666378
Ion Ratio Lower Upper
117 100
82 51.9 41.0 61.6
119 32.3 25.5 38.3



#64
Tetrachloroethene
Concen: 51.114 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065534.D
Acq: 27 Mar 2020 10:07

Tgt Ion:164 Resp: 243991
Ion Ratio Lower Upper
164 100
166 123.5 107.1 160.7
129 85.1 69.2 103.8
131 83.3 69.4 104.0

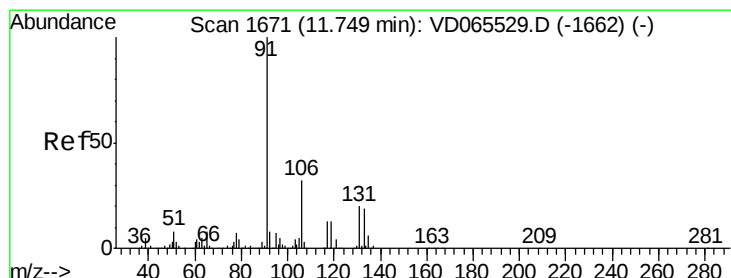
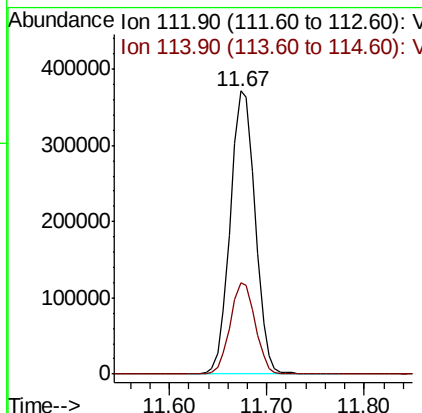
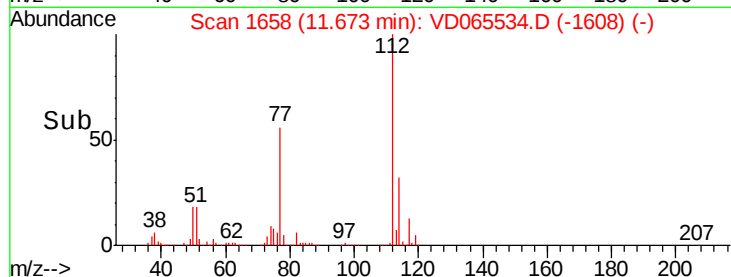
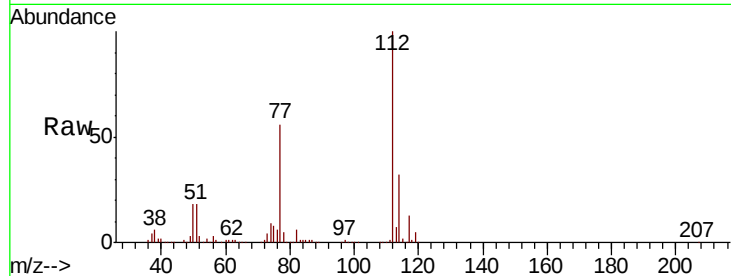




#65
Chlorobenzene
Concen: 50.826 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065534.D
Acq: 27 Mar 2020 10:07

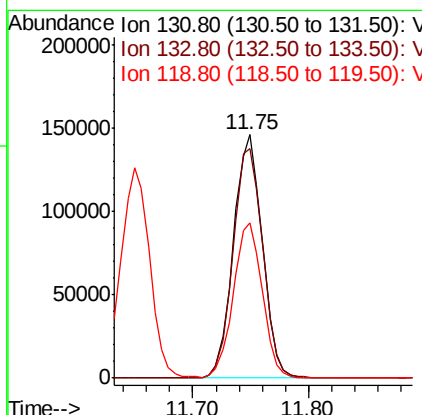
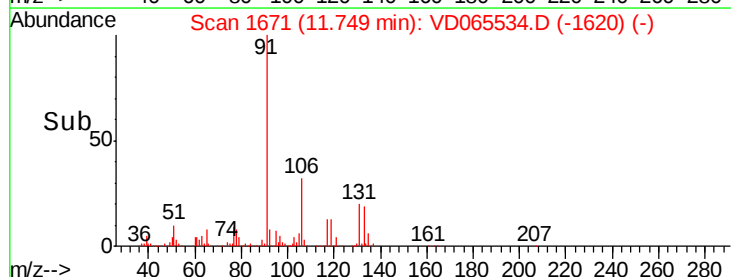
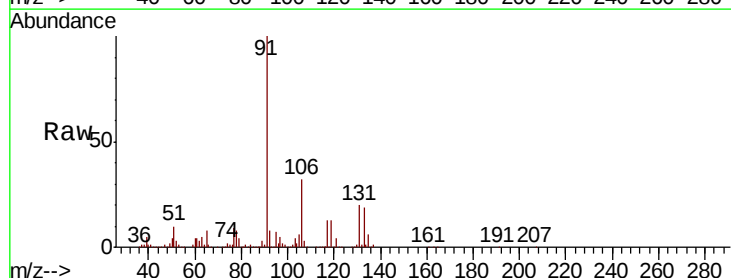
Instrument :
MSVOA_D
ClientSampleId :

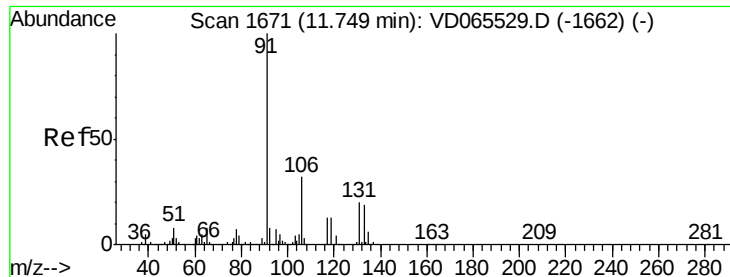
Tot Ion:112 Resp: 662140
Ion Ratio Lower Upper
112 100
114 32.2 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 51.991 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065534.D
Acq: 27 Mar 2020 10:07

Tgt Ion:131 Resp: 252583
Ion Ratio Lower Upper
131 100
133 97.5 48.9 146.7
119 64.3 32.5 97.4





#67

Ethyl Benzene

Concen: 53.251 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065534.D

Acq: 27 Mar 2020 10:07

Instrument :

MSVOA_D

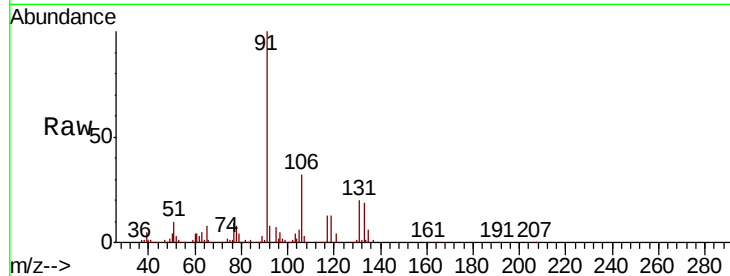
ClientSampled :

Tot Ion: 91 Resp: 1168478

Ion Ratio Lower Upper

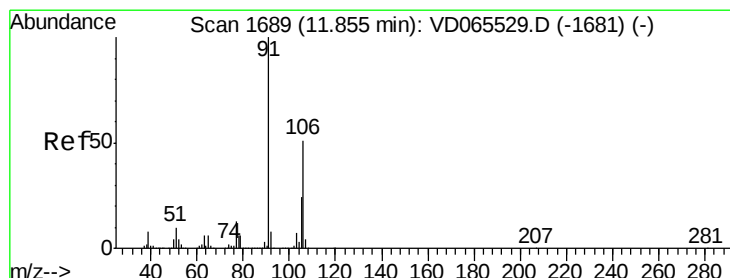
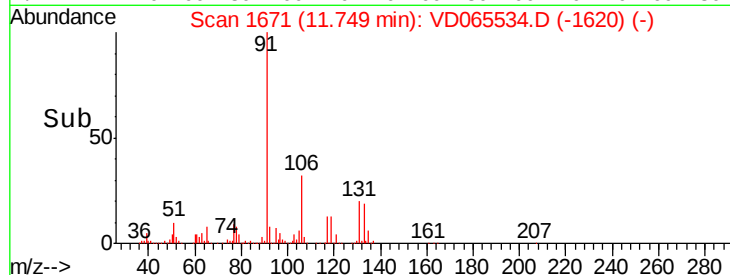
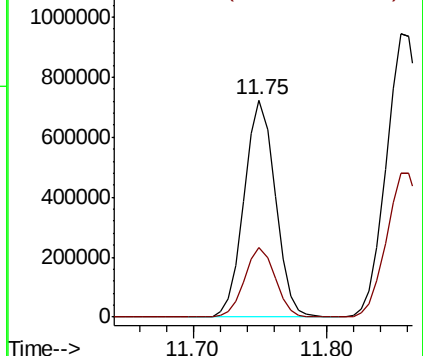
91 100

106 31.9 25.4 38.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 107.471 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD065534.D

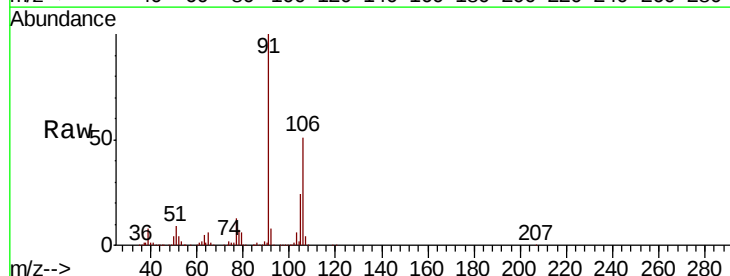
Acq: 27 Mar 2020 10:07

Tgt Ion: 106 Resp: 925931

Ion Ratio Lower Upper

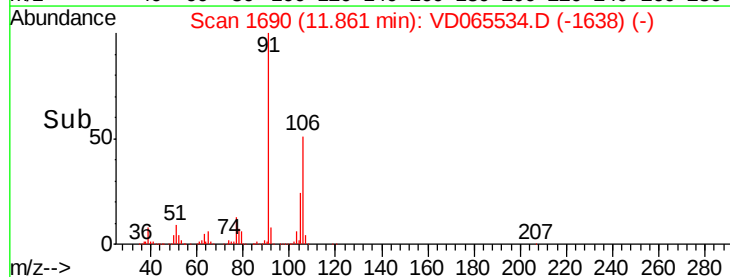
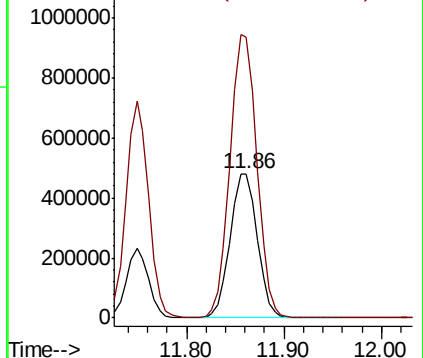
106 100

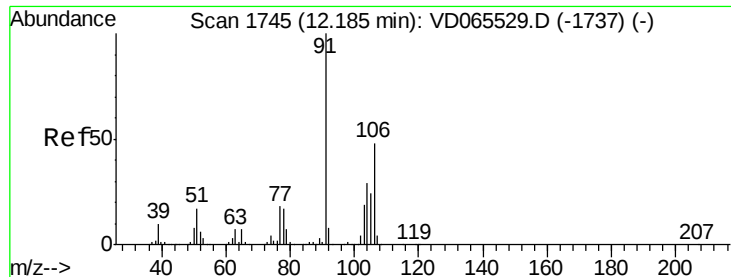
91 195.9 155.4 233.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

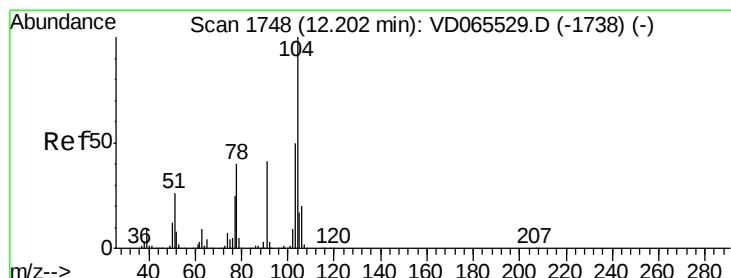
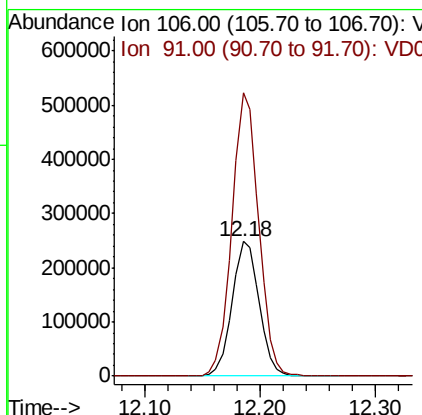
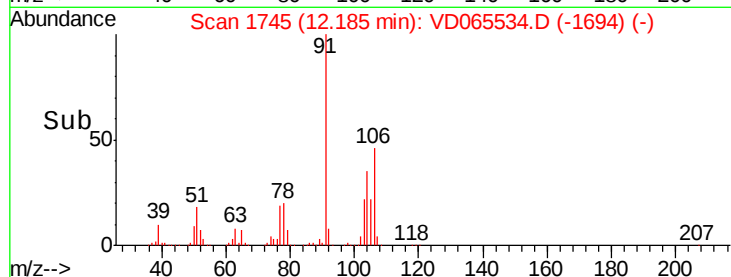
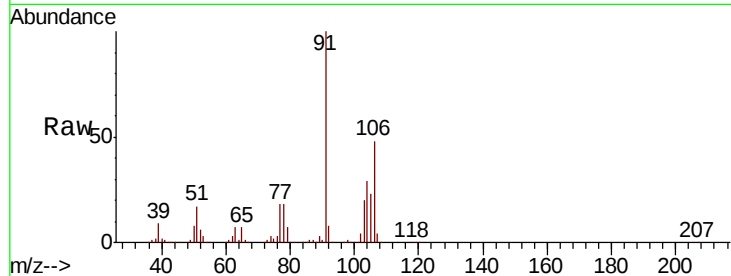




#69
o-Xylene
Concen: 53.366 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065534.D
Acq: 27 Mar 2020 10:07

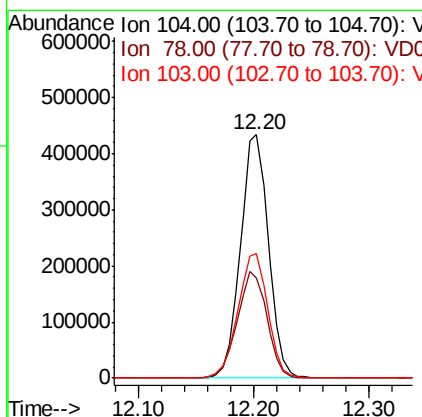
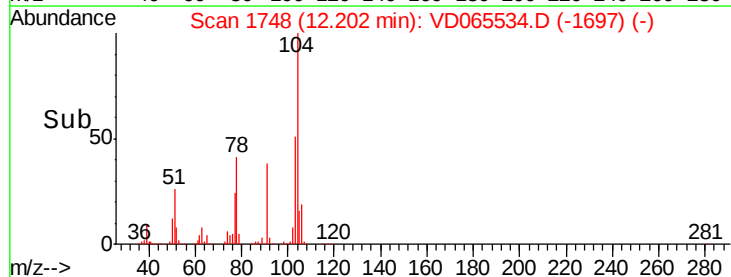
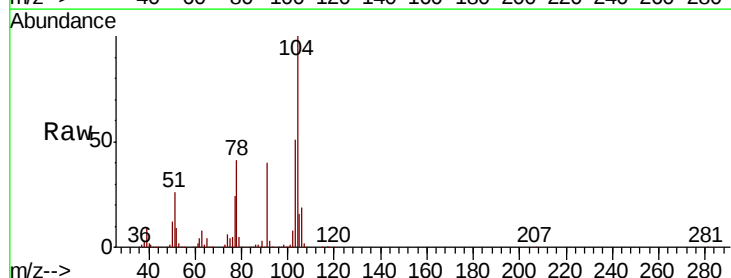
Instrument :
MSVOA_D
ClientSampled :

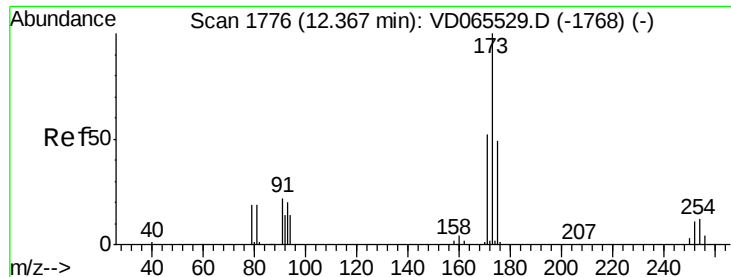
Tot Ion:106 Resp: 402664
Ion Ratio Lower Upper
106 100
91 208.1 102.8 308.4



#70
Styrene
Concen: 54.992 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065534.D
Acq: 27 Mar 2020 10:07

Tgt Ion:104 Resp: 732882
Ion Ratio Lower Upper
104 100
78 46.5 36.6 55.0
103 54.2 43.8 65.6





#71

Bromoform

Concen: 49.824 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065534.D

Acq: 27 Mar 2020 10:07

Instrument :

MSVOA_D

ClientSampleId :

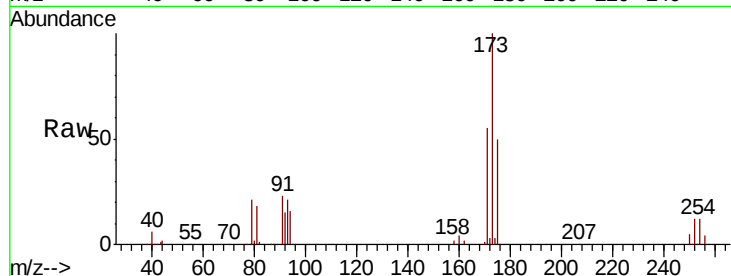
Tot Ion:173 Resp: 133513

Ion Ratio Lower Upper

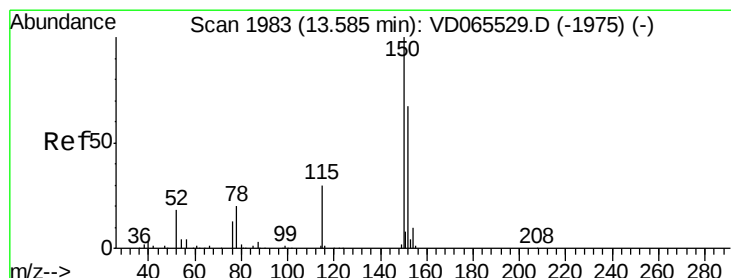
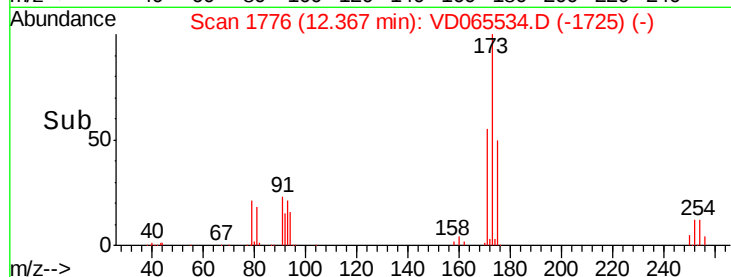
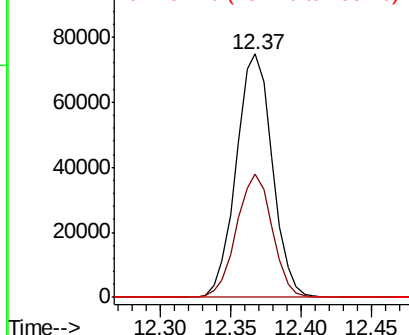
173 100

175 50.1 24.3 72.8

254 0.1 0.0 0.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065534.D

Acq: 27 Mar 2020 10:07

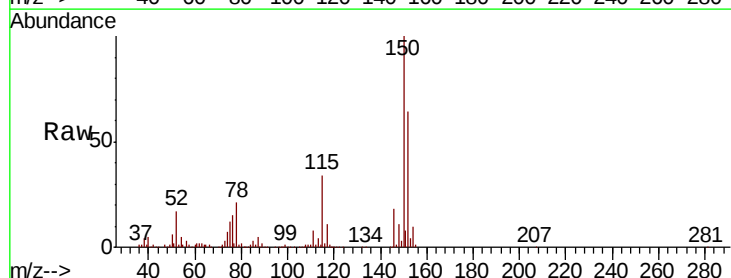
Tgt Ion:152 Resp: 346012

Ion Ratio Lower Upper

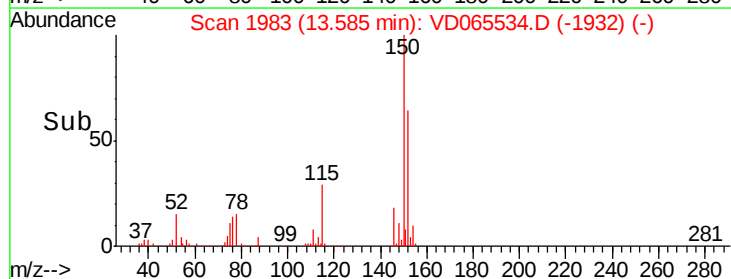
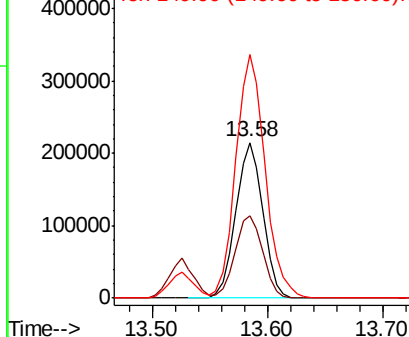
152 100

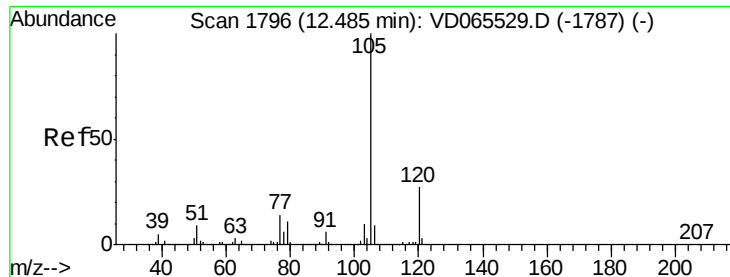
115 54.6 27.2 81.6

150 170.4 0.0 340.2



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





#73

Isopropylbenzene

Concen: 51.986 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065534.D

Acq: 27 Mar 2020 10:07

Instrument :

MSVOA_D

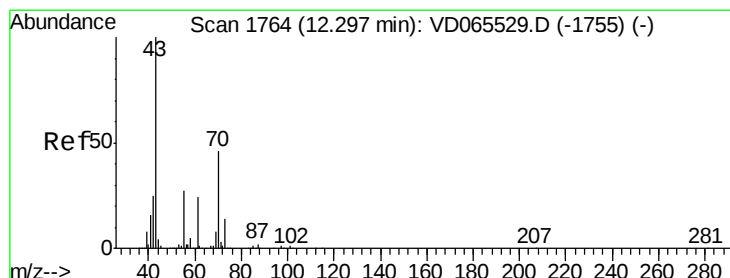
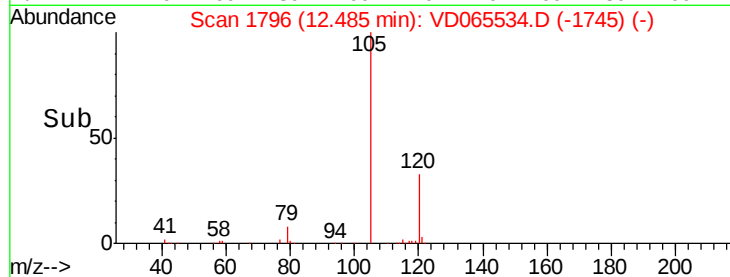
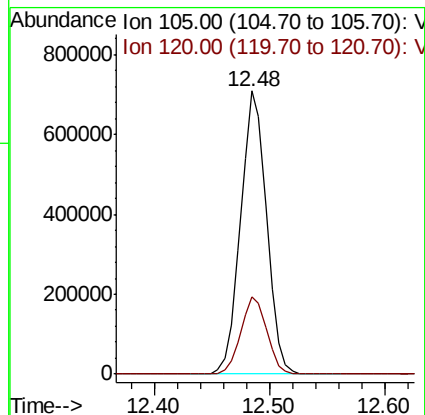
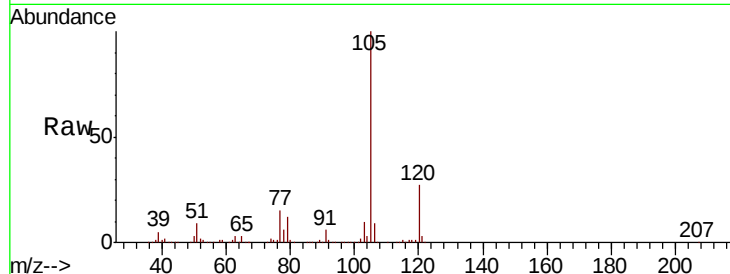
ClientSampleId :

Tot Ion:105 Resp: 1104503

Ion Ratio Lower Upper

105 100

120 27.2 13.7 41.0



#74

N-ethyl acetate

Concen: 50.346 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065534.D

Acq: 27 Mar 2020 10:07

Tgt Ion: 43 Resp: 211100

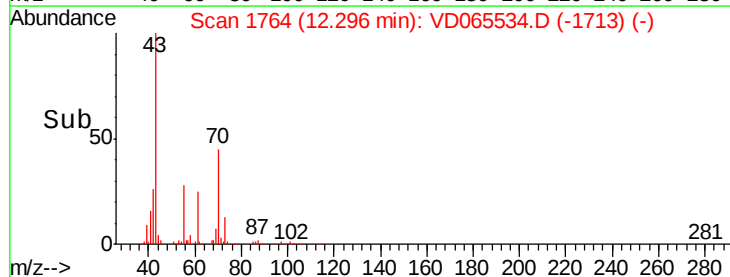
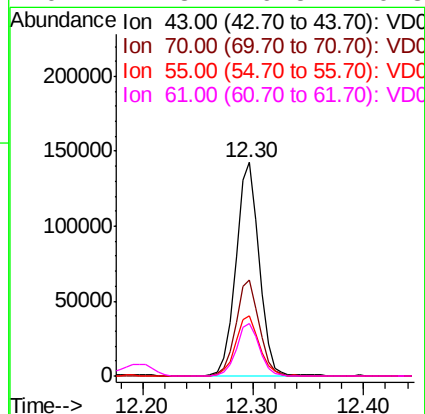
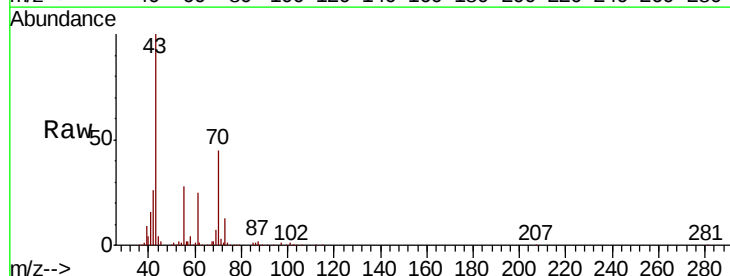
Ion Ratio Lower Upper

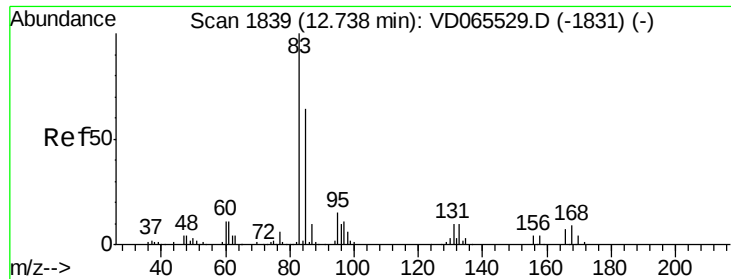
43 100

70 45.0 36.2 54.2

55 29.2 22.2 33.4

61 24.3 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 49.772 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065534.D

Acq: 27 Mar 2020 10:07

Instrument :

MSVOA_D

ClientSampleId :

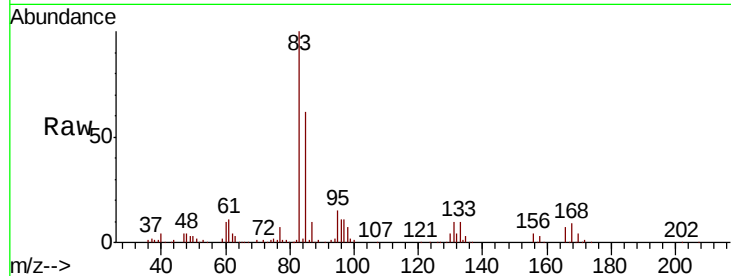
Tot Ion: 83 Resp: 183677

Ion Ratio Lower Upper

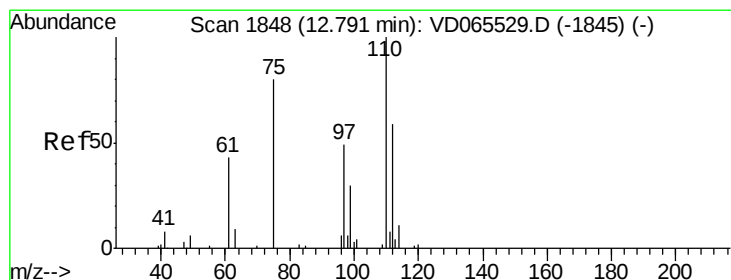
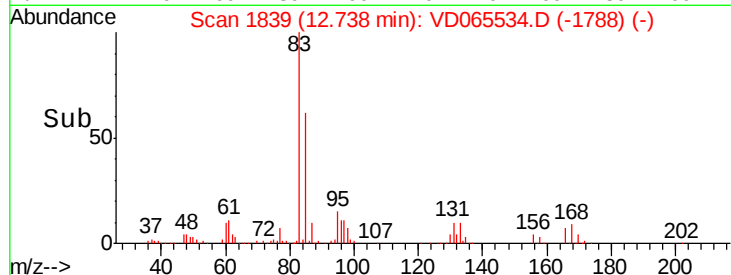
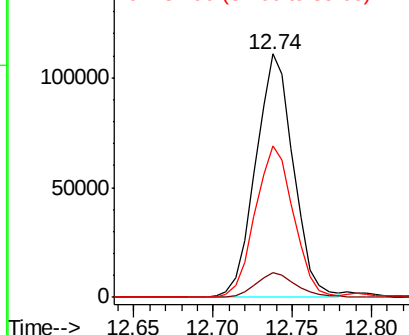
83 100

131 11.1 5.6 16.8

85 63.2 32.6 98.0



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: 90.604 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065534.D

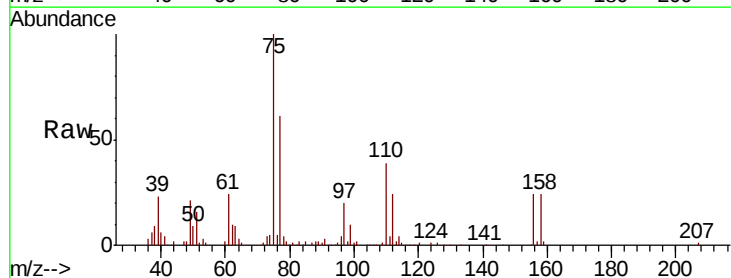
Acq: 27 Mar 2020 10:07

Tgt Ion: 75 Resp: 241021

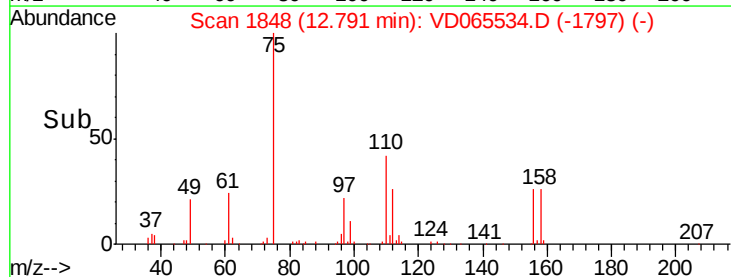
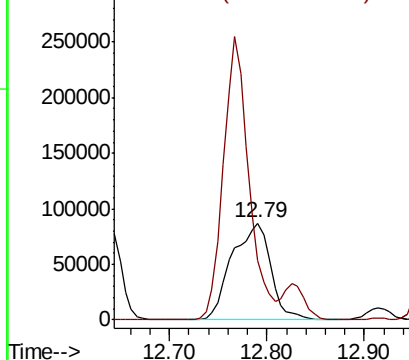
Ion Ratio Lower Upper

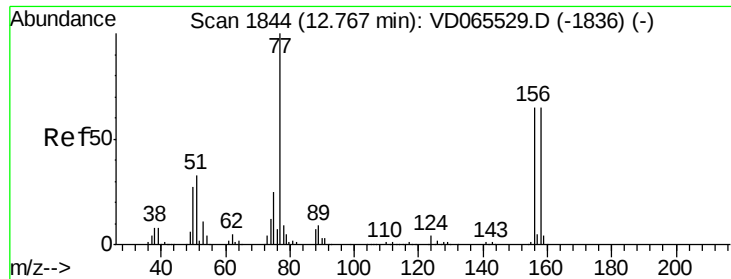
75 100

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: 49.585 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065534.D

Acq: 27 Mar 2020 10:07

Instrument :

MSVOA_D

ClientSampled :

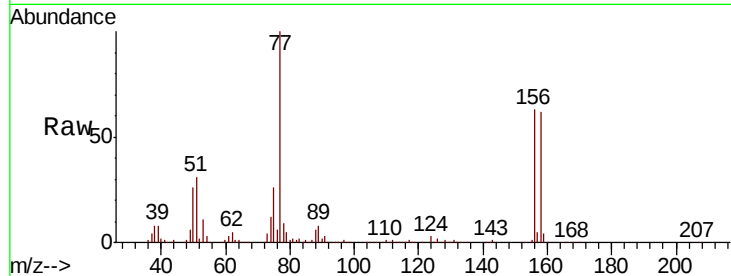
Tot Ion:156 Resp: 275300

Ion Ratio Lower Upper

156 100

77 167.3 81.8 245.3

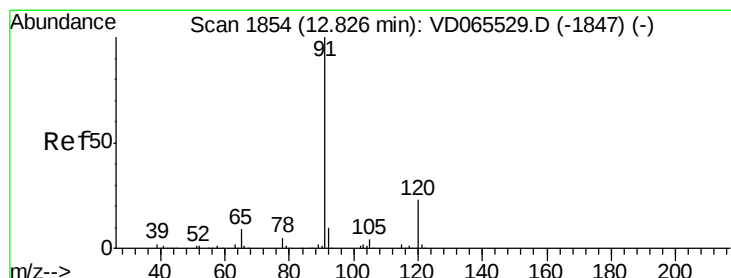
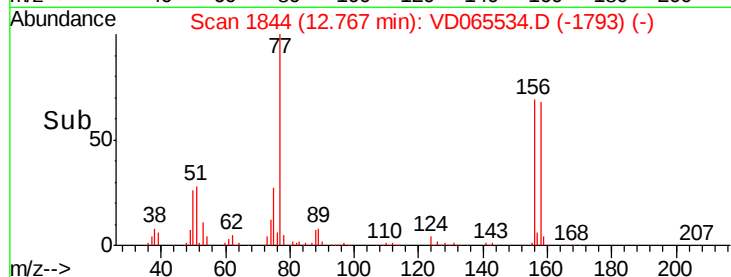
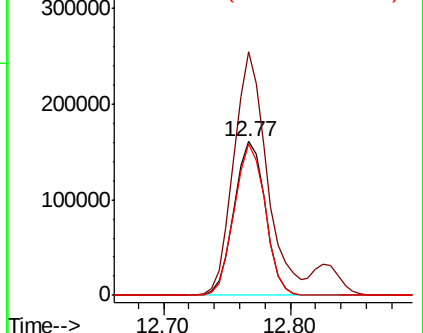
158 97.5 49.1 147.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.945 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065534.D

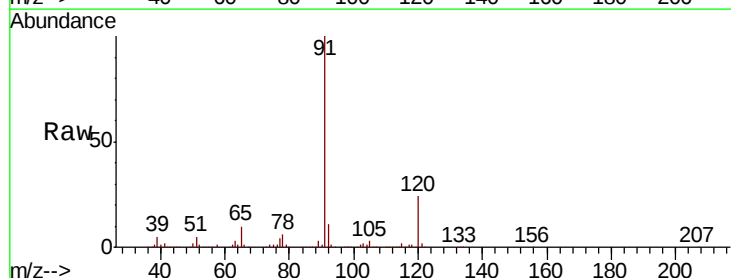
Acq: 27 Mar 2020 10:07

Tgt Ion: 91 Resp: 1340838

Ion Ratio Lower Upper

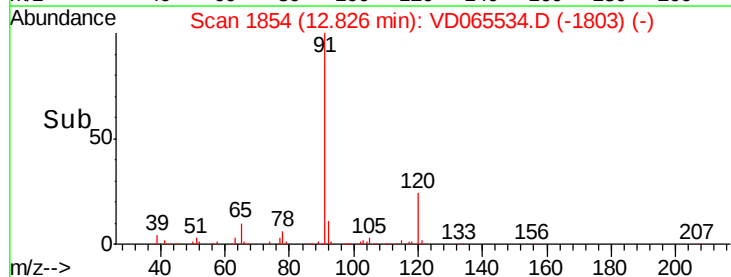
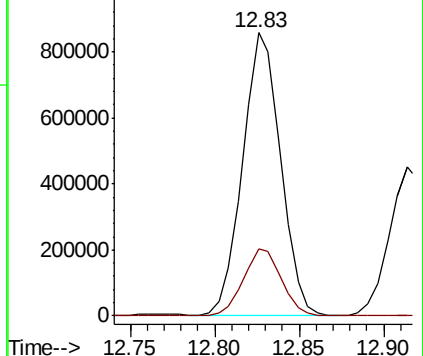
91 100

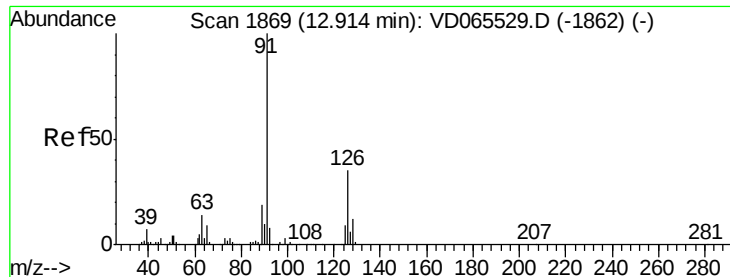
120 23.8 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.549 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065534.D

Acq: 27 Mar 2020 10:07

Instrument :

MSVOA_D

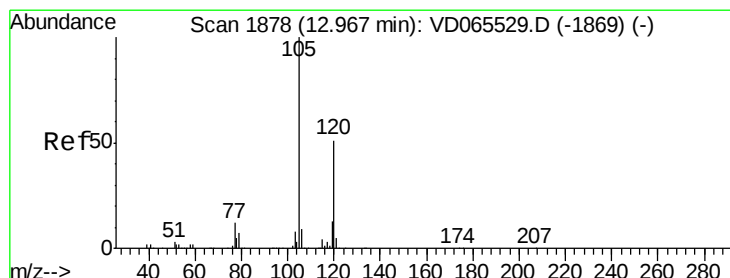
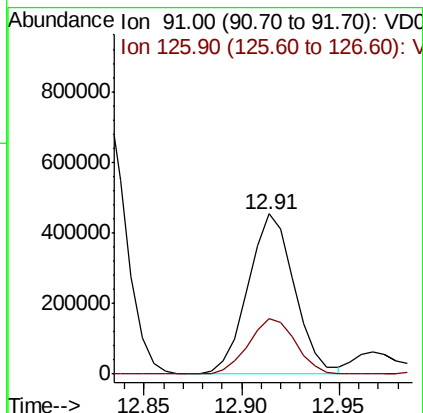
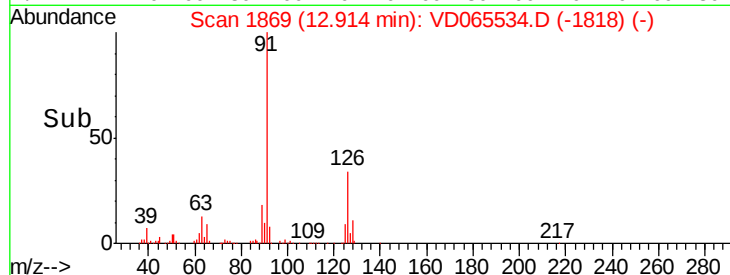
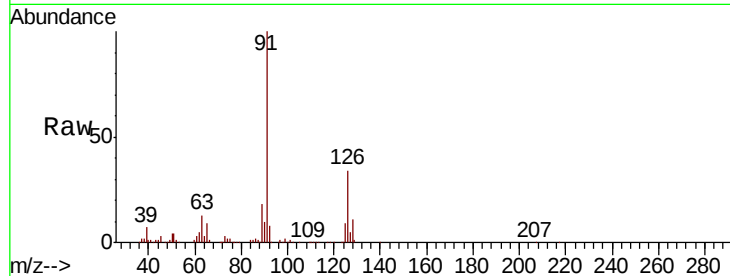
ClientSampleId :

Tot Ion: 91 Resp: 744779

Ion Ratio Lower Upper

91 100

126 35.4 17.8 53.4



#80

1,3,5-Trimethylbenzene

Concen: 53.350 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065534.D

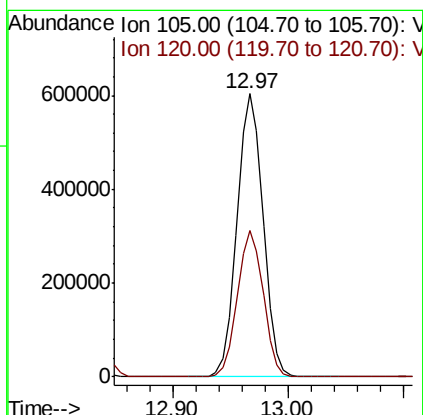
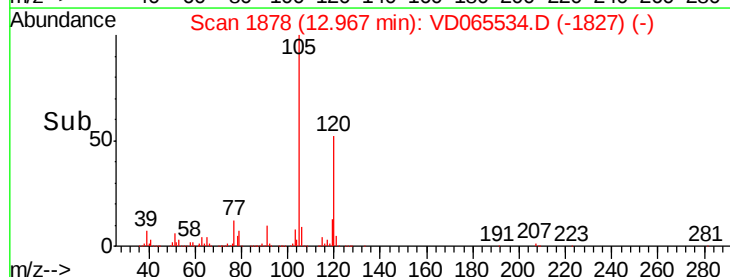
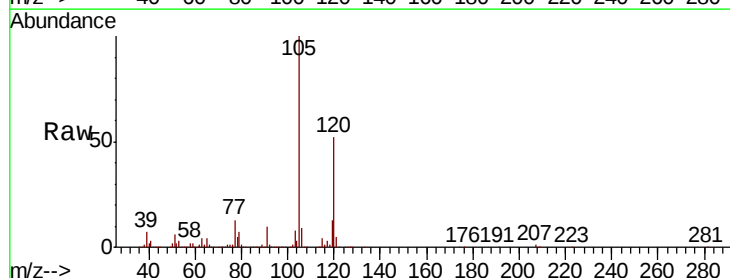
Acq: 27 Mar 2020 10:07

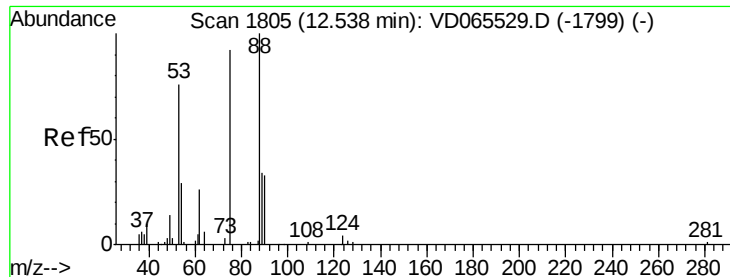
Tgt Ion: 105 Resp: 939503

Ion Ratio Lower Upper

105 100

120 51.6 25.6 76.6





#81

trans-1,4-Dichloro-2-butene

Concen: 49.410 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065534.D

Acq: 27 Mar 2020 10:07

Instrument :

MSVOA_D

ClientSampleId :

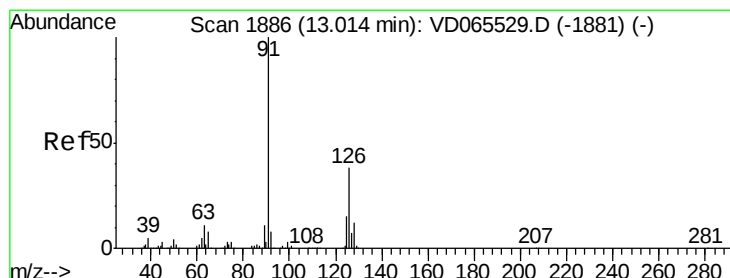
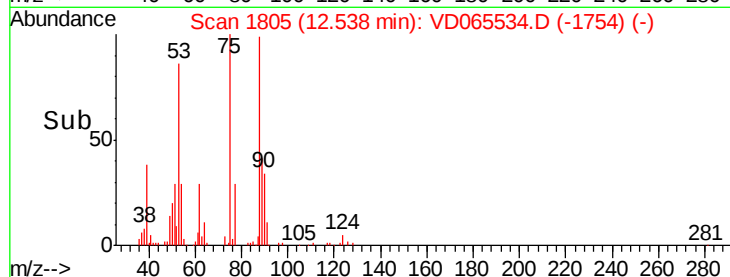
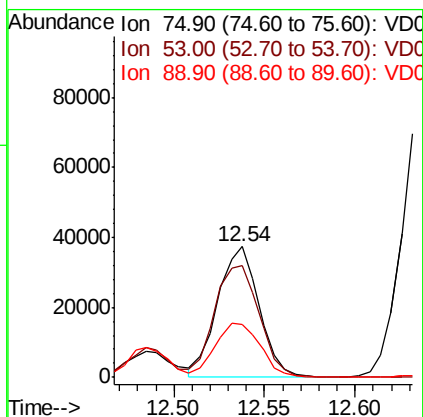
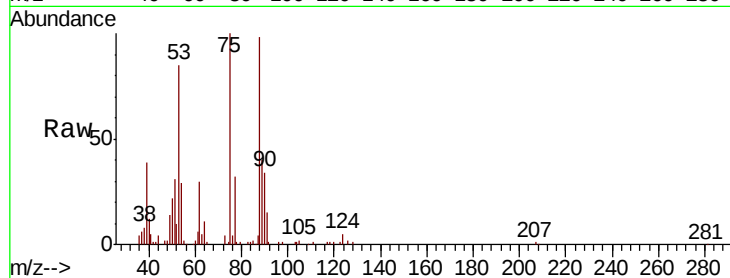
Tot Ion: 75 Resp: 58884

Ion Ratio Lower Upper

75 100

53 94.7 72.4 108.6

89 45.5 36.9 55.3



#82

4-Chlorotoluene

Concen: 51.131 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD065534.D

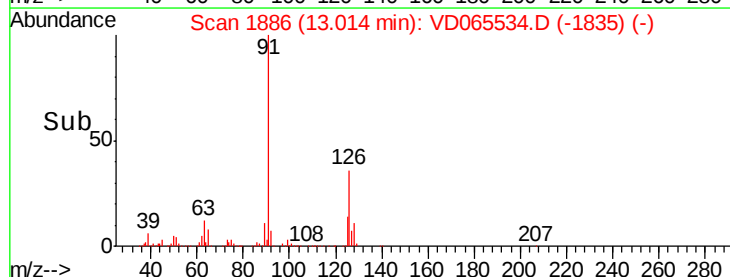
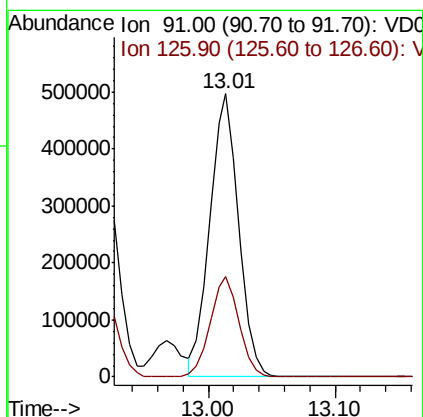
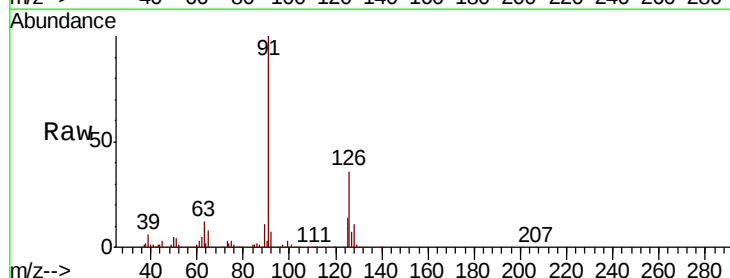
Acq: 27 Mar 2020 10:07

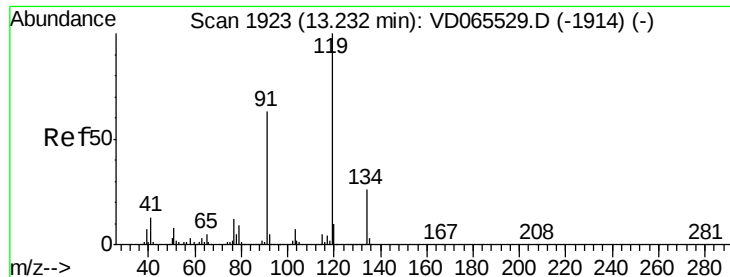
Tgt Ion: 91 Resp: 785077

Ion Ratio Lower Upper

91 100

126 35.5 17.9 53.7

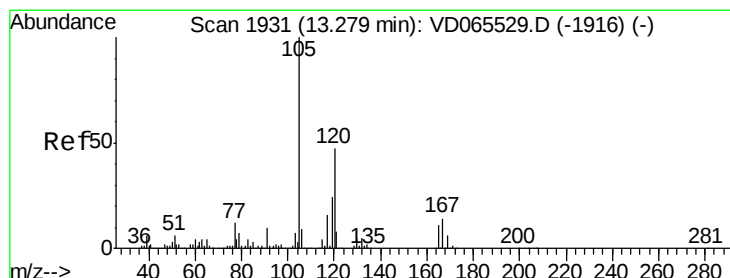
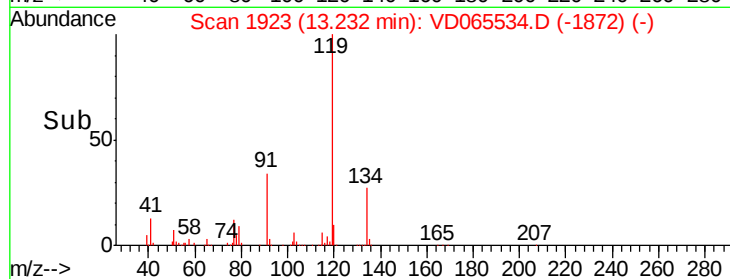
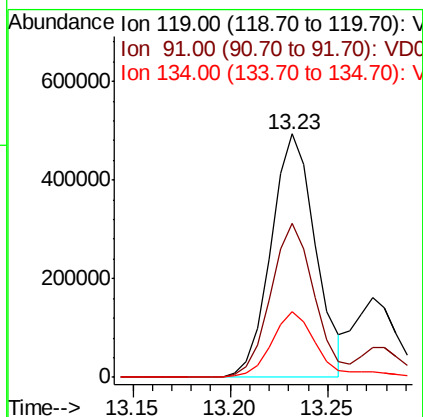
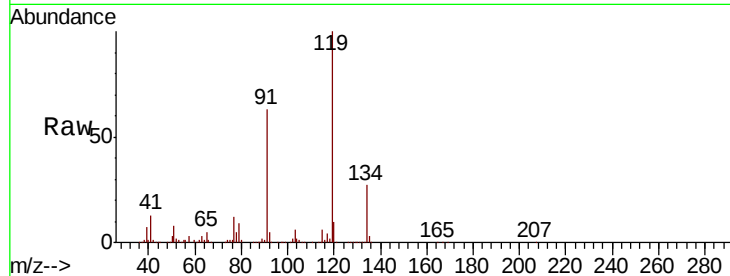




#83
tert-Butylbenzene
Concen: 52.836 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065534.D
Acq: 27 Mar 2020 10:07

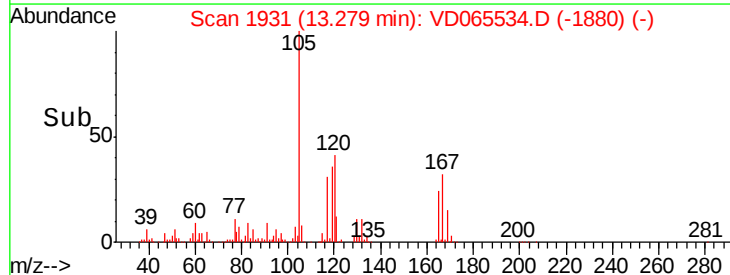
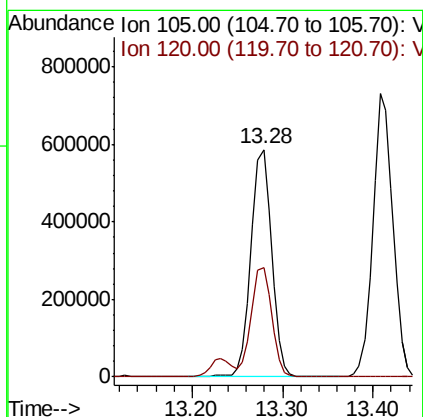
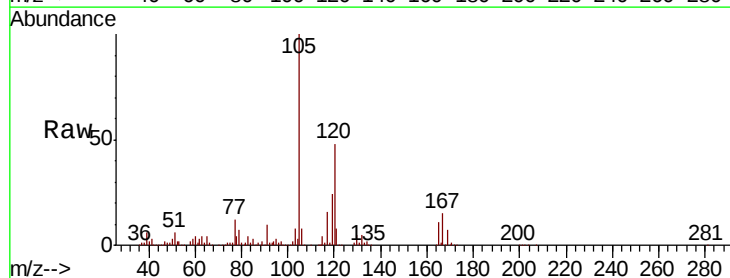
Instrument :
MSVOA_D
ClientSampleId :

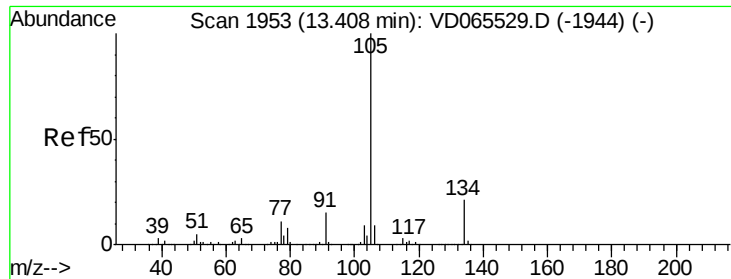
Tot Ion:119 Resp: 779273
Ion Ratio Lower Upper
119 100
91 62.8 31.4 94.0
134 28.2 13.9 41.6



#84
1,2,4-Trimethylbenzene
Concen: 52.869 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065534.D
Acq: 27 Mar 2020 10:07

Tgt Ion:105 Resp: 930793
Ion Ratio Lower Upper
105 100
120 47.5 23.5 70.5





#85

sec-Butylbenzene

Concen: 53.018 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065534.D

Acq: 27 Mar 2020 10:07

Instrument :

MSVOA_D

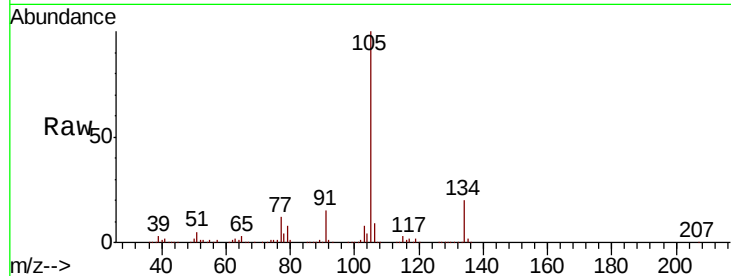
ClientSampleId :

Tot Ion:105 Resp: 1119005

Ion Ratio Lower Upper

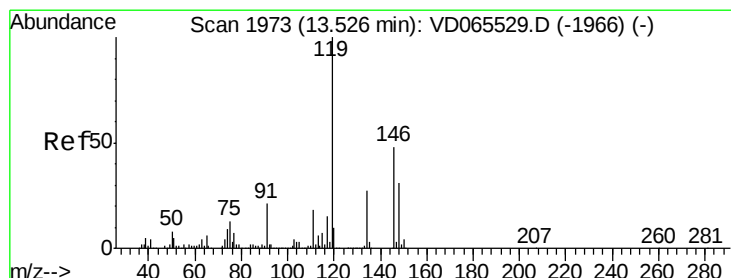
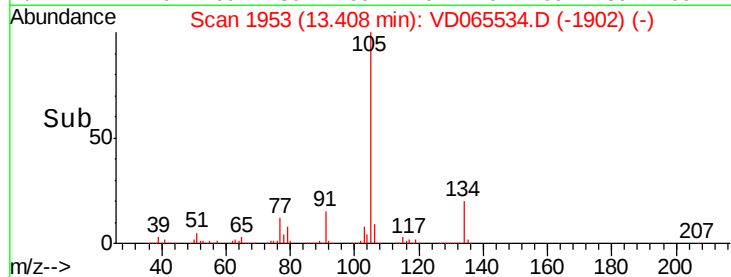
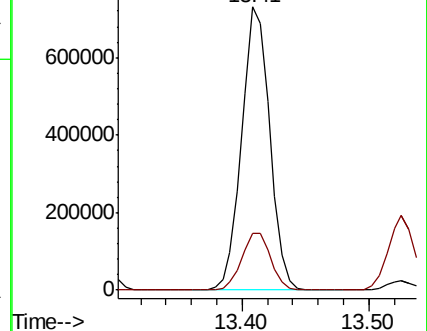
105 100

134 20.9 10.6 31.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.405 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065534.D

Acq: 27 Mar 2020 10:07

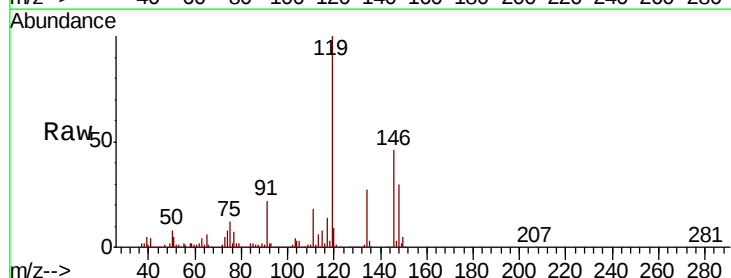
Tgt Ion:119 Resp: 1038709

Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.5

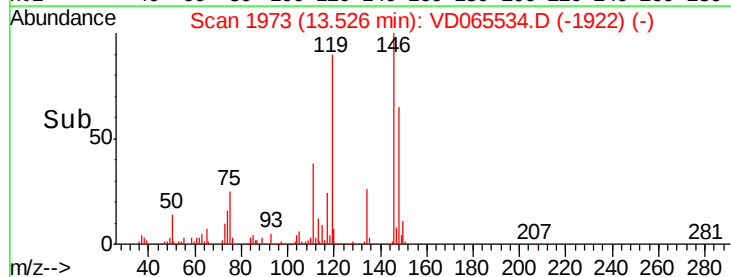
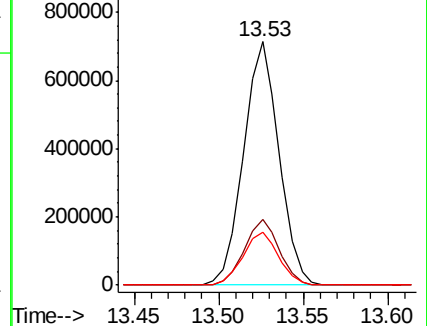
91 21.7 10.8 32.3

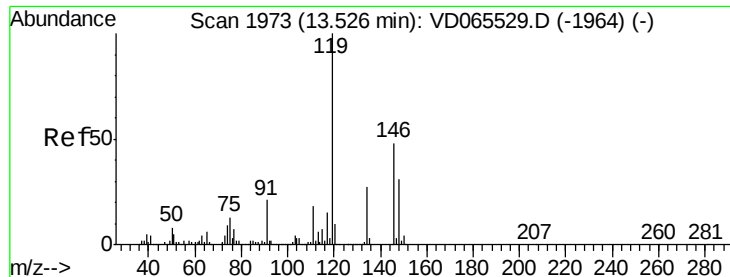


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 50.257 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065534.D

Acq: 27 Mar 2020 10:07

Instrument :

MSVOA_D

ClientSampleId :

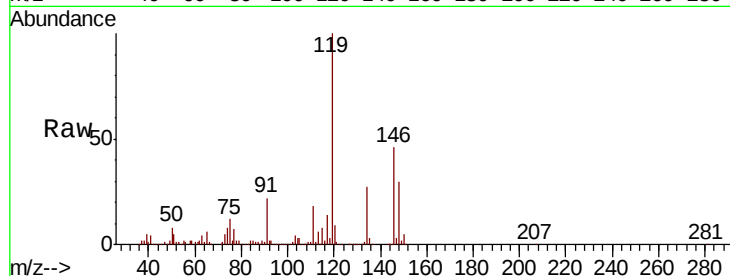
Tot Ion:146 Resp: 537153

Ion Ratio Lower Upper

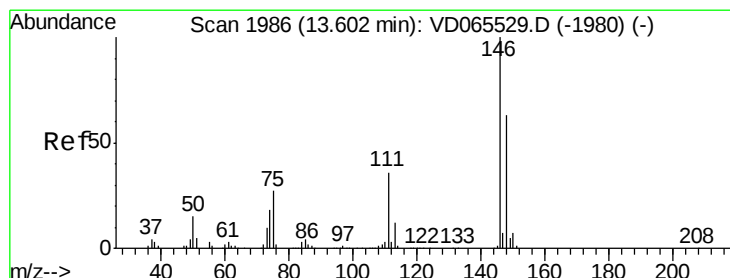
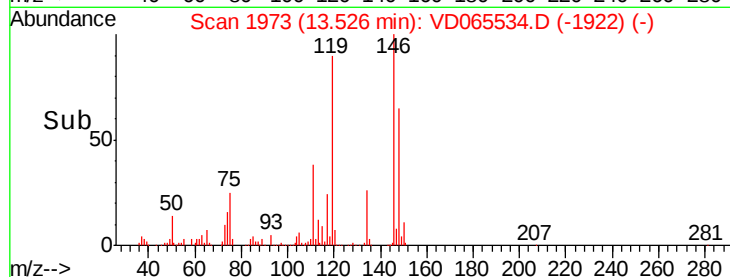
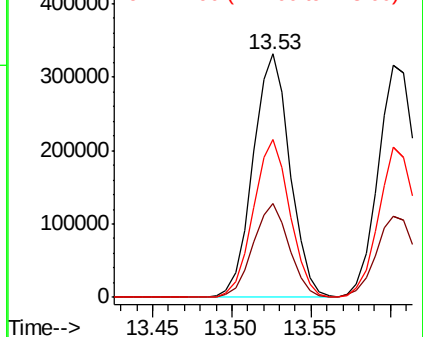
146 100

111 37.6 18.5 55.5

148 64.1 31.8 95.4



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



#88

1,4-Dichlorobenzene

Concen: 49.261 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VD065534.D

Acq: 27 Mar 2020 10:07

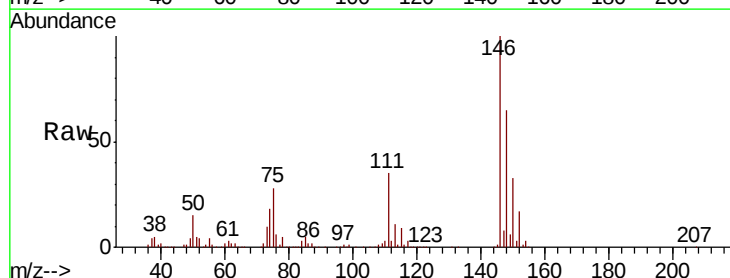
Tgt Ion:146 Resp: 526089

Ion Ratio Lower Upper

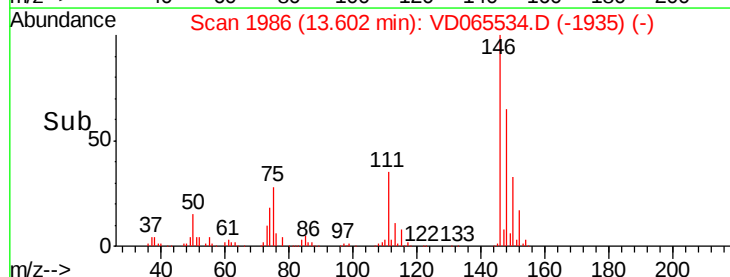
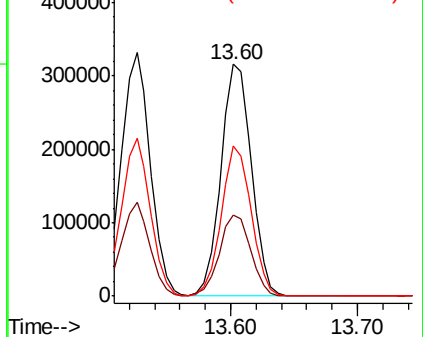
146 100

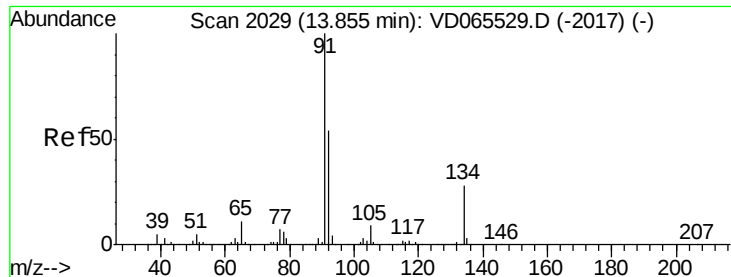
111 36.0 18.0 54.0

148 63.4 31.6 94.8



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

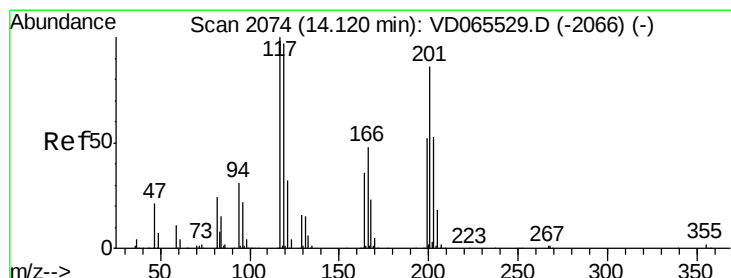
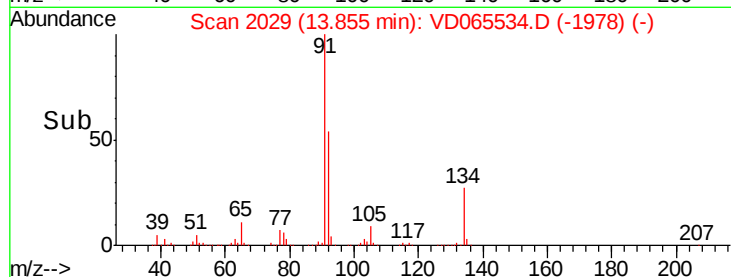
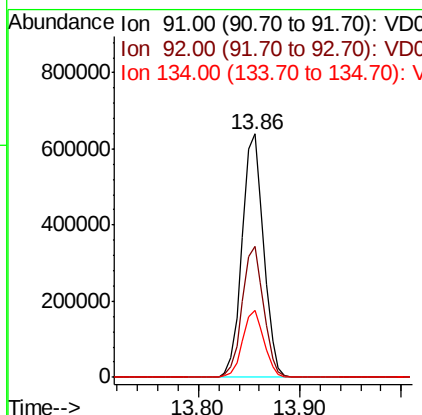
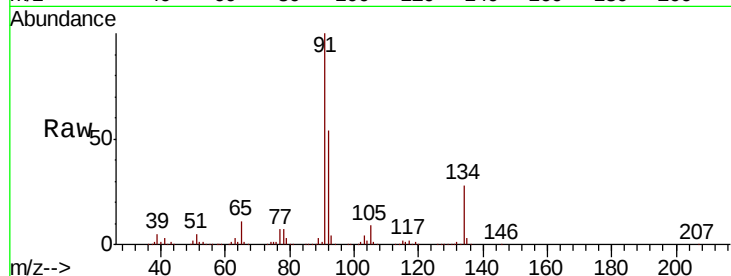




#89
n-Butylbenzene
Concen: 53.490 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065534.D
Acq: 27 Mar 2020 10:07

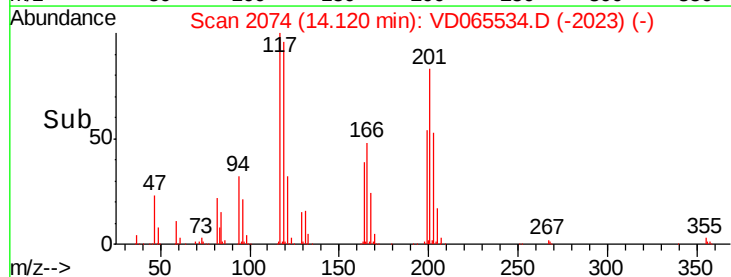
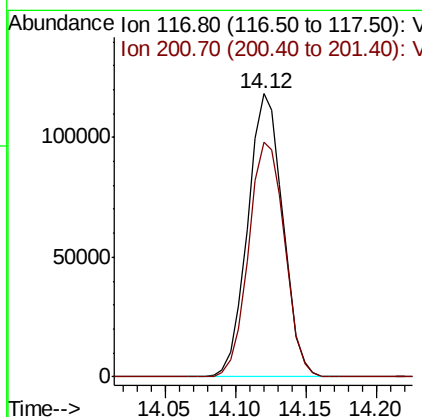
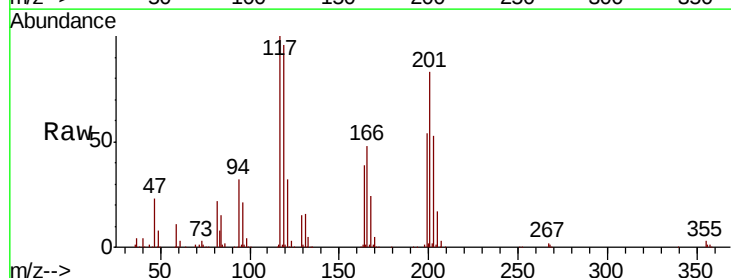
Instrument :
MSVOA_D
ClientSampleId :

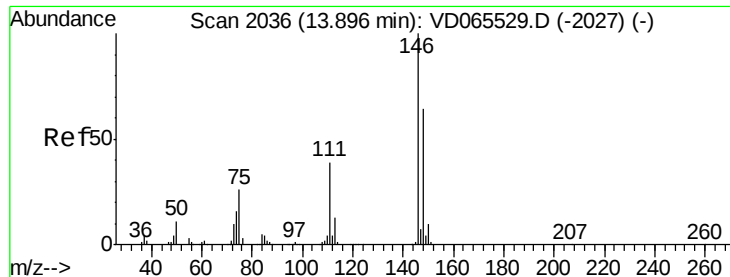
Tot Ion: 91 Resp: 944794
Ion Ratio Lower Upper
91 100
92 53.6 26.8 80.4
134 27.3 13.7 41.0



#90
Hexachloroethane
Concen: 50.652 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065534.D
Acq: 27 Mar 2020 10:07

Tgt Ion: 117 Resp: 206593
Ion Ratio Lower Upper
117 100
201 85.0 43.9 131.6

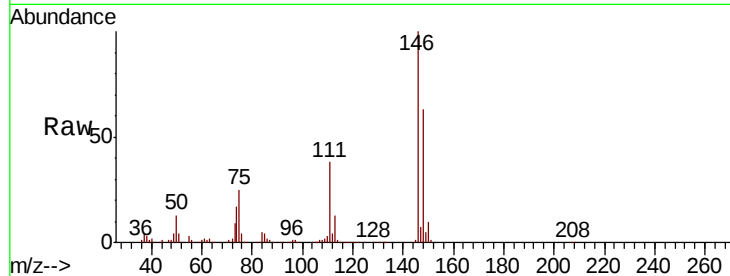




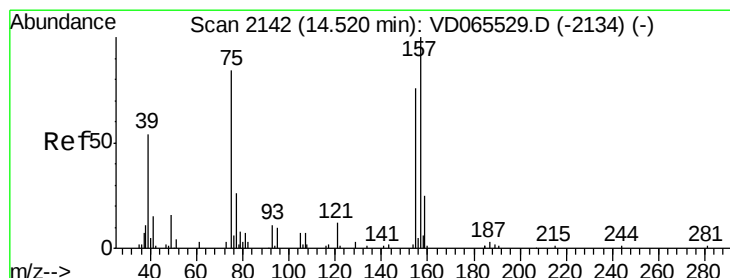
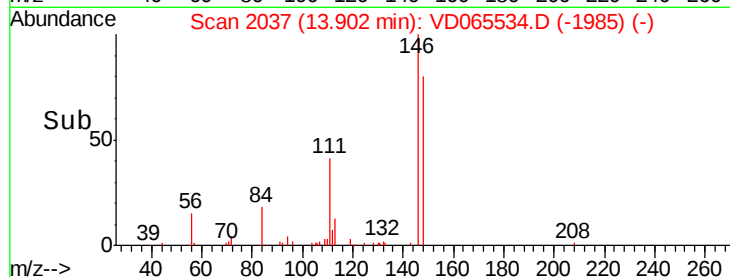
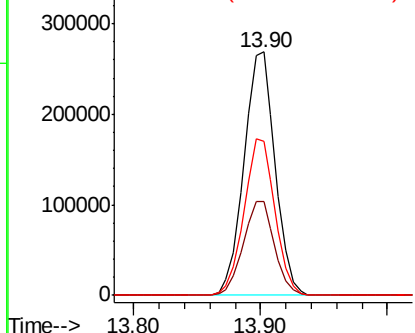
#91
 1,2-Dichlorobenzene
 Concen: 50.540 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VD065534.D
 Acq: 27 Mar 2020 10:07

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.4	58.4
148	63.7	32.1	96.5

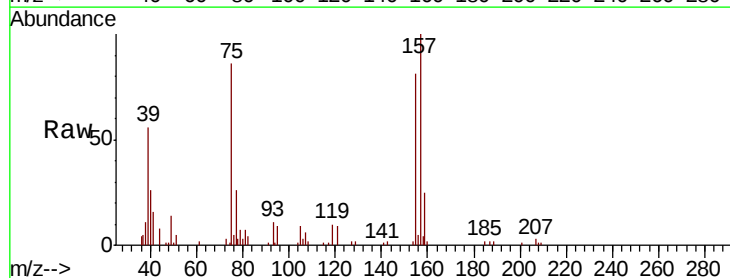


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

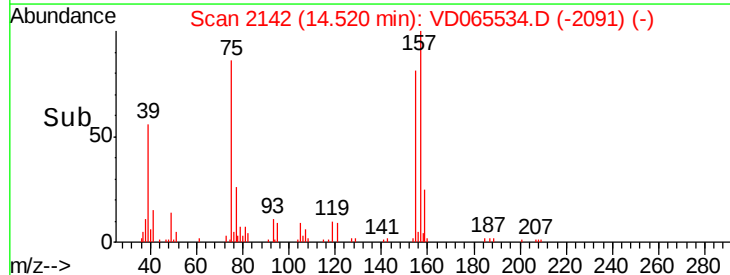
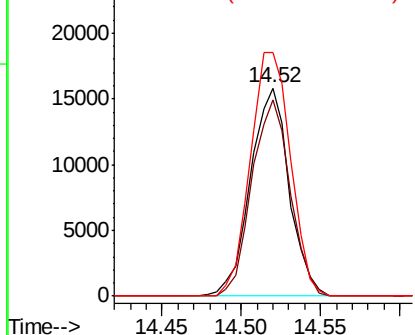


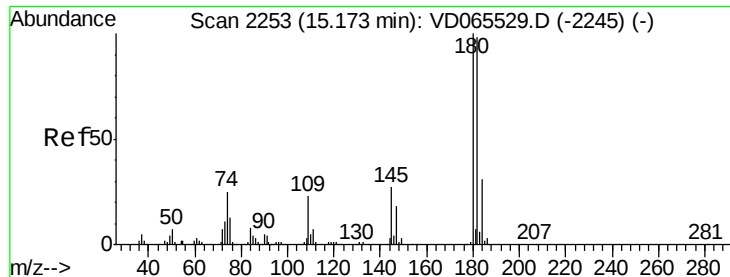
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.442 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD065534.D
 Acq: 27 Mar 2020 10:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.0	46.2	138.6
157	121.3	57.9	173.7



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

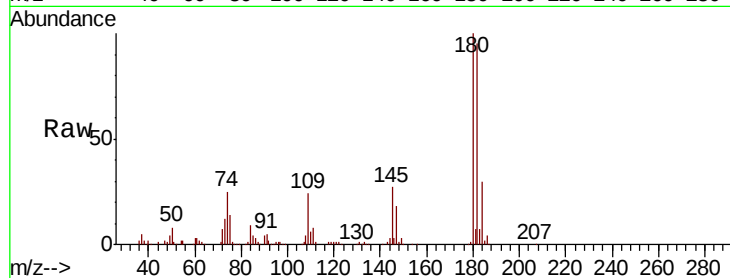




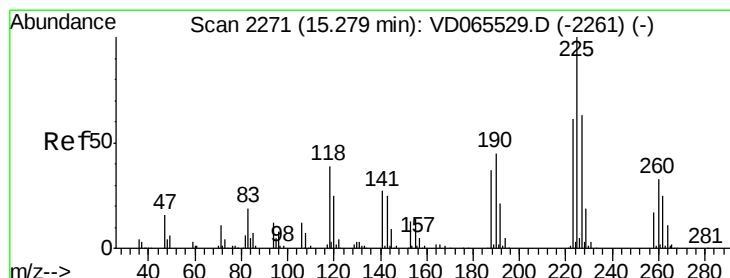
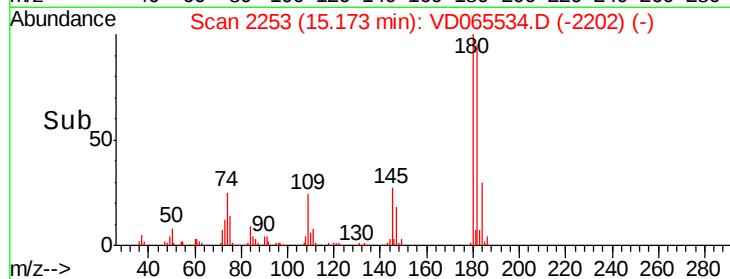
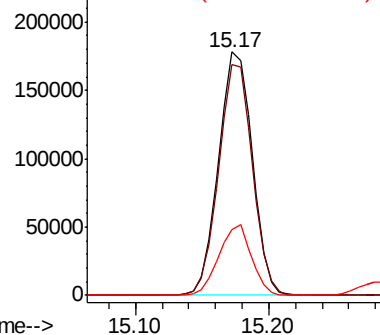
#93
 1,2,4-Trichlorobenzene
 Concen: 49.526 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD065534.D
 Acq: 27 Mar 2020 10:07

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	48.1	144.3
145	27.9	13.9	41.6

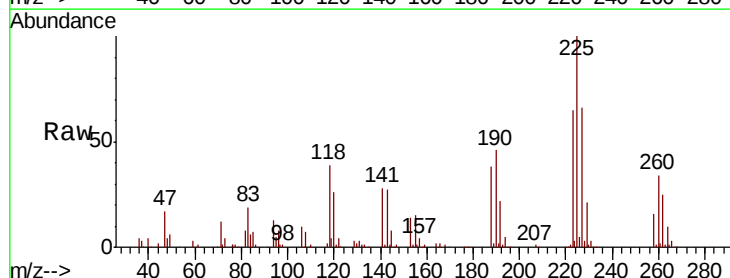


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

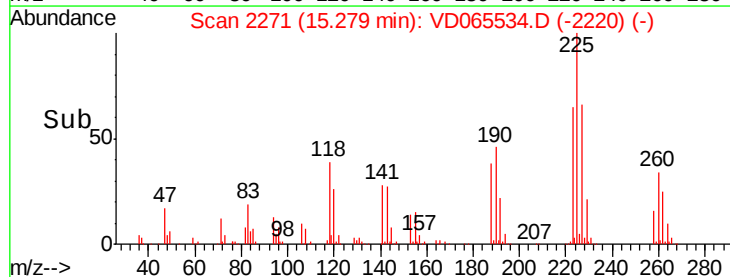
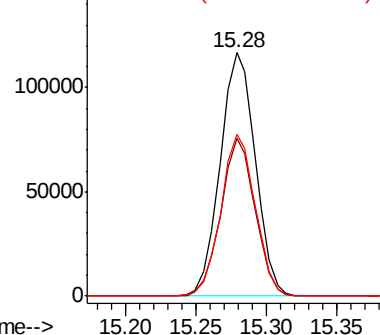


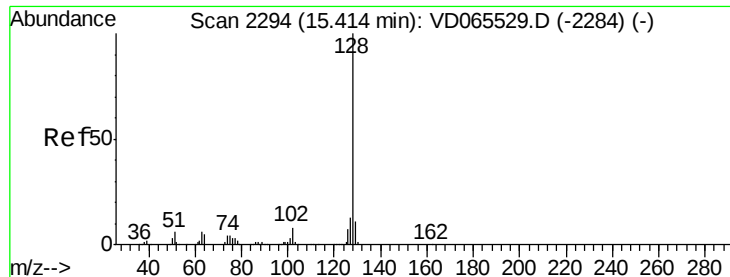
#94
 Hexachlorobutadiene
 Concen: 49.946 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065534.D
 Acq: 27 Mar 2020 10:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.2	93.6
227	65.1	32.3	96.9



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: 45.218 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD065534.D

Acq: 27 Mar 2020 10:07

Instrument :

MSVOA_D

ClientSampleId :

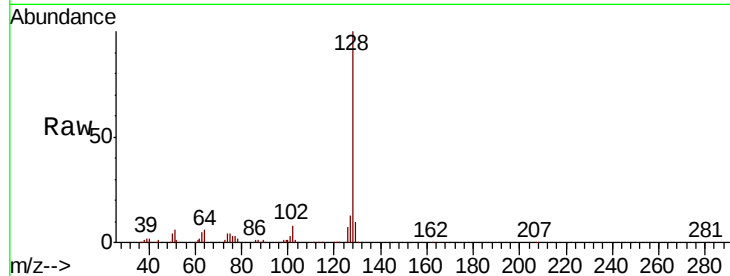
Tot Ion:128 Resp: 478428

Ion Ratio Lower Upper

128 100

127 13.6 10.4 15.6

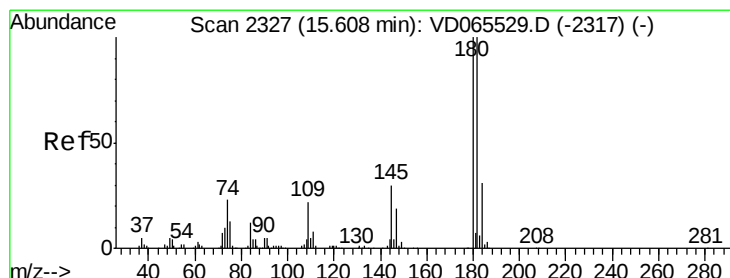
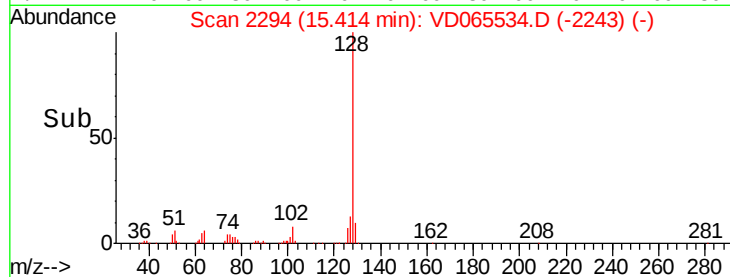
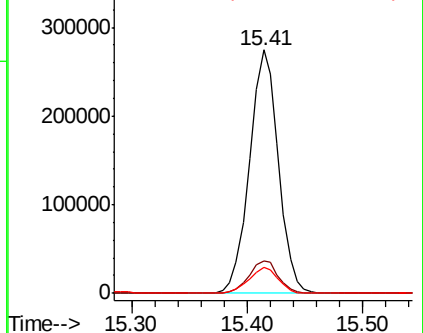
129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.817 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. -0.00 min

Lab File: VD065534.D

Acq: 27 Mar 2020 10:07

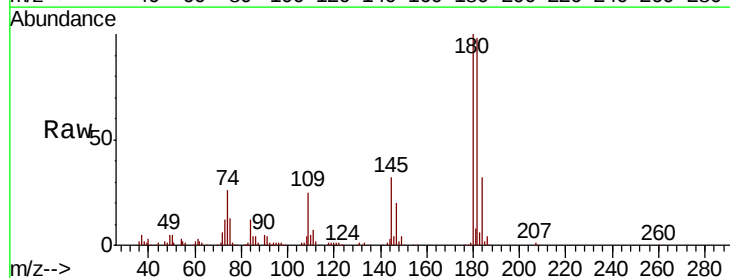
Tgt Ion:180 Resp: 268463

Ion Ratio Lower Upper

180 100

182 94.6 48.1 144.3

145 30.1 15.0 45.0



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

