

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032720\
 Data File : VD065556.D
 Acq On : 27 Mar 2020 20:58
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 30 06:37:50 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	476220	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	711235	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	676985	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	334679	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	230368	58.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.22%	
35) Dibromofluoromethane	7.91	113	242930	55.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.68%	
50) Toluene-d8	10.34	98	926417	56.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.42%	
62) 4-Bromofluorobenzene	12.64	95	300240	57.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	118625	44.753	ug/l	100
3) Chloromethane	2.21	50	186897	49.704	ug/l	99
4) Vinyl Chloride	2.35	62	191538	43.523	ug/l	100
5) Bromomethane	2.77	94	139091	50.058	ug/l	99
6) Chloroethane	2.92	64	131084	46.094	ug/l	97
7) Trichlorofluoromethane	3.27	101	291837	44.450	ug/l	100
8) Diethyl Ether	3.70	74	75384	36.185	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.08	101	158306	36.559	ug/l	97
10) Methyl Iodide	4.29	142	212444	42.401	ug/l	97
11) Tert butyl alcohol	5.24	59	57905	259.754	ug/l	96
12) 1,1-Dichloroethene	4.06	96	148743	36.154	ug/l	96
13) Acrolein	3.93	56	84003	223.187	ug/l	98
14) Allyl chloride	4.71	41	300881	48.064	ug/l	100
15) Acrylonitrile	5.43	53	221852	258.615	ug/l	99
16) Acetone	4.17	43	141302	188.910	ug/l #	86
17) Carbon Disulfide	4.40	76	616292	45.438	ug/l	97
18) Methyl Acetate	4.72	43	96560	49.646	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	428647	52.241	ug/l	98
20) Methylene Chloride	4.96	84	237239	51.375	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	228052	48.180	ug/l	97
22) Diisopropyl ether	6.37	45	659677	54.343	ug/l	98
23) Vinyl Acetate	6.31	43	1790743	270.832	ug/l	100
24) 1,1-Dichloroethane	6.26	63	387598	50.353	ug/l	98
25) 2-Butanone	7.22	43	254696	250.728	ug/l	99
26) 2,2-Dichloropropane	7.21	77	309101	45.346	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	249581	50.884	ug/l	99
28) Bromochloromethane	7.55	49	170920	53.403	ug/l	99
29) Tetrahydrofuran	7.57	42	170576	259.088	ug/l	99
30) Chloroform	7.71	83	402168	50.437	ug/l	99
31) Cyclohexane	7.98	56	323892	43.465	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	341702	47.435	ug/l	99
36) 1,1-Dichloropropene	8.11	75	297223	45.739	ug/l	100
37) Ethyl Acetate	7.30	43	125770	50.563	ug/l	96
38) Carbon Tetrachloride	8.10	117	311299	45.483	ug/l	96

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	350062	45.692	ug/l	100
40) Benzene	8.35	78	918397	49.528	ug/l	100
41) Methacrylonitrile	7.53	41	83426	58.102	ug/l	89
42) 1,2-Dichloroethane	8.43	62	252004	51.073	ug/l	99
43) Isopropyl Acetate	8.46	43	225677	49.962	ug/l	98
44) Trichloroethene	9.11	130	251750	46.791	ug/l	99
45) 1,2-Dichloropropane	9.39	63	229249	50.895	ug/l	100
46) Dibromomethane	9.48	93	121382	51.355	ug/l	98
47) Bromodichloromethane	9.67	83	314688	50.258	ug/l	98
48) Methyl methacrylate	9.46	41	108090	50.327	ug/l	100
49) 1,4-Dioxane	9.47	88	28403	1105.111	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	602794	264.441	ug/l	100
52) Toluene	10.41	92	594662	50.639	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	293126	51.185	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	353364	50.433	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	166892	49.497	ug/l	98
56) Ethyl methacrylate	10.67	69	194455	47.408	ug/l	98
57) 1,3-Dichloropropane	10.95	76	283370	49.943	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	544495	284.576	ug/l	99
59) 2-Hexanone	10.99	43	397127	255.516	ug/l	99
60) Dibromochloromethane	11.14	129	222245	49.738	ug/l	100
61) 1,2-Dibromoethane	11.25	107	162507	49.798	ug/l	99
64) Tetrachloroethene	10.88	164	217770	44.906	ug/l	95
65) Chlorobenzene	11.67	112	630070	47.606	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	240946	48.818	ug/l	99
67) Ethyl Benzene	11.75	91	1077182	48.322	ug/l	99
68) m/p-Xylenes	11.86	106	845304	96.575	ug/l	98
69) o-Xylene	12.18	106	379719	49.536	ug/l	98
70) Styrene	12.20	104	690992	51.037	ug/l	100
71) Bromoform	12.37	173	133863	49.172	ug/l #	100
73) Isopropylbenzene	12.48	105	1011686	49.230	ug/l	99
74) N-amyl acetate	12.30	43	206283	50.863	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	174574	48.907	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	223609	86.905	ug/l #	100
77) Bromobenzene	12.77	156	268669	50.030	ug/l	99
78) n-propylbenzene	12.83	91	1200826	49.022	ug/l	99
79) 2-Chlorotoluene	12.91	91	679016	48.589	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	853946	50.134	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	54351	47.151	ug/l	97
82) 4-Chlorotoluene	13.01	91	721701	48.595	ug/l	99
83) tert-Butylbenzene	13.23	119	702315	49.231	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	848015	49.799	ug/l	99
85) sec-Butylbenzene	13.41	105	972268	47.626	ug/l	100
86) p-Isopropyltoluene	13.53	119	921950	49.007	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	494605	47.843	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	482573	46.717	ug/l	99
89) n-Butylbenzene	13.85	91	807182	47.247	ug/l	100
90) Hexachloroethane	14.12	117	180820	45.834	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	430892	49.100	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	25381	47.198	ug/l	94

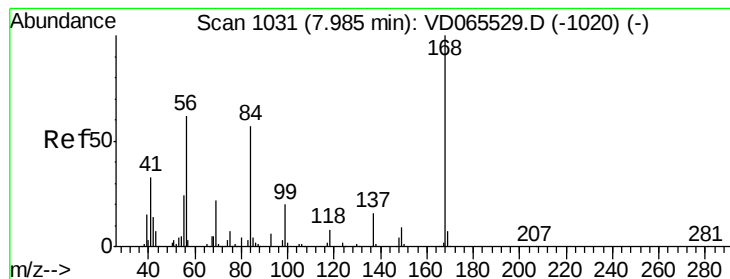
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	287678	47.401	ug/l	98
94) Hexachlorobutadiene	15.28	225	176016	44.506	ug/l	99
95) Naphthalene	15.41	128	456533	44.668	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	255933	49.100	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065556.D

Acq: 27 Mar 2020 20:58

Instrument :

MSVOA_D

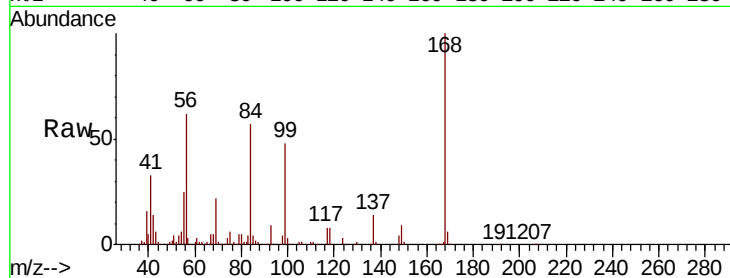
ClientSampleId :

Tot Ion:168 Resp: 476220

Ion Ratio Lower Upper

168 100

99 48.3 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

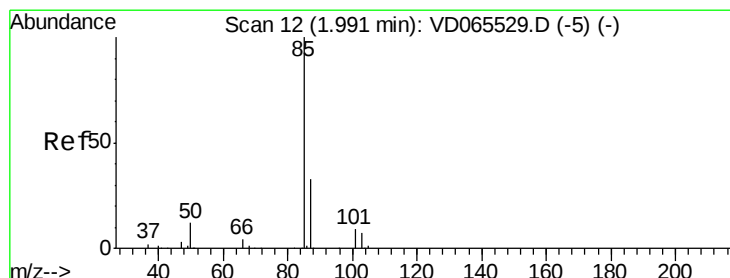
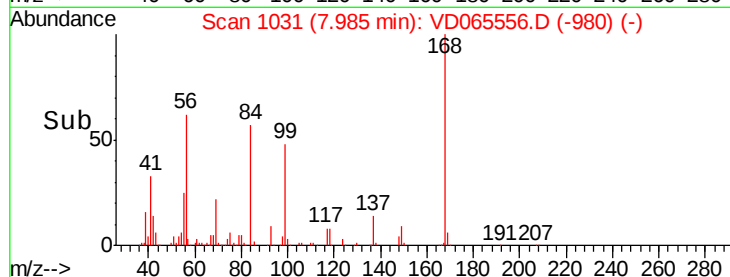
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 44.753 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065556.D

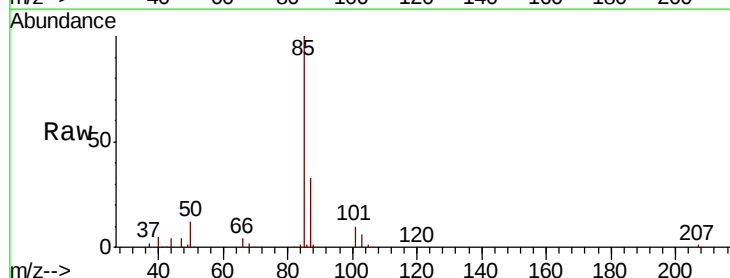
Acq: 27 Mar 2020 20:58

Tgt Ion: 85 Resp: 118625

Ion Ratio Lower Upper

85 100

87 32.9 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

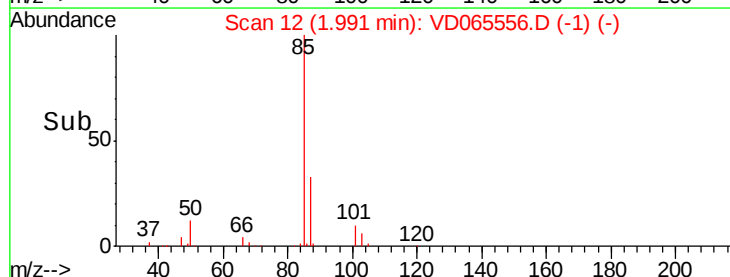
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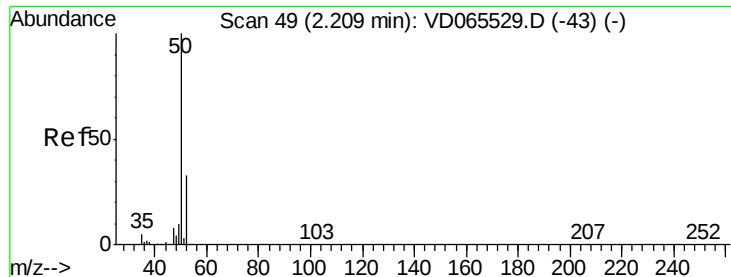
20000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 49.704 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065556.D

Acq: 27 Mar 2020 20:58

Instrument :

MSVOA_D

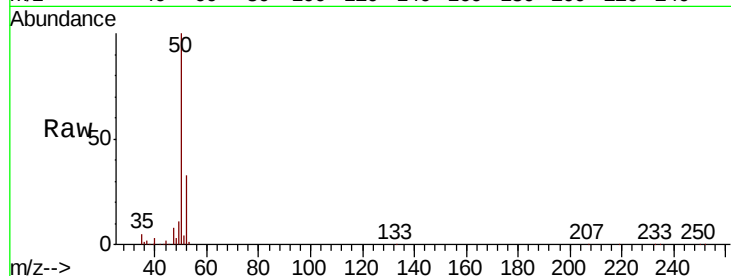
ClientSampleId :

Tot Ion: 50 Resp: 186897

Ion Ratio Lower Upper

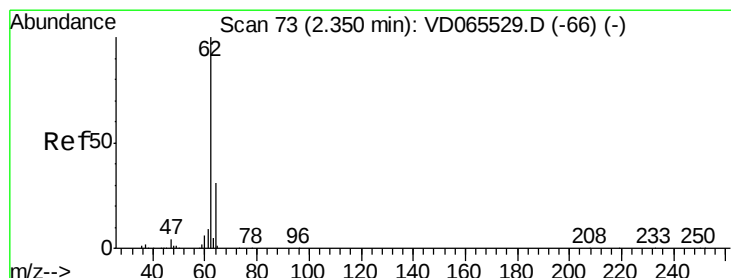
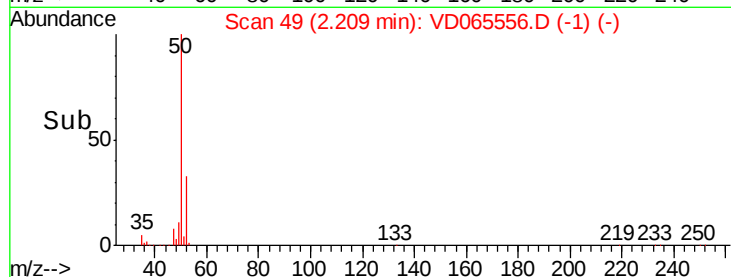
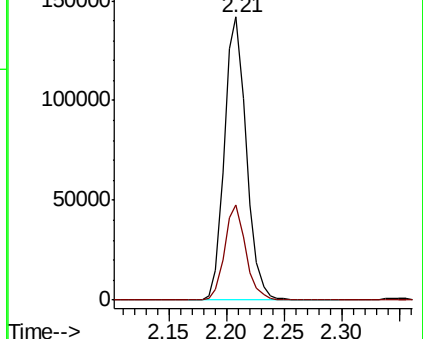
50 100

52 33.4 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: 43.523 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065556.D

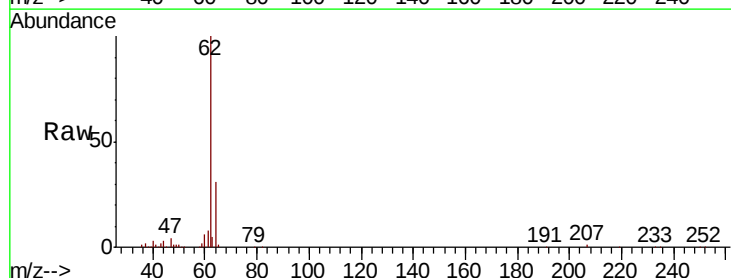
Acq: 27 Mar 2020 20:58

Tgt Ion: 62 Resp: 191538

Ion Ratio Lower Upper

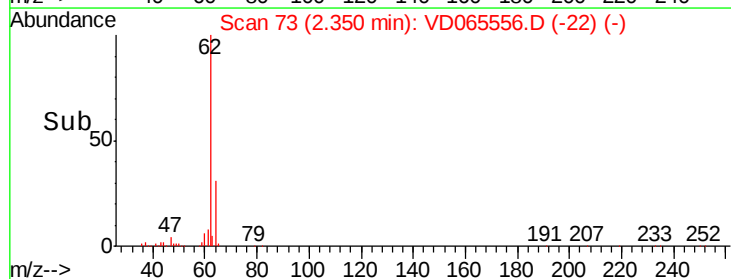
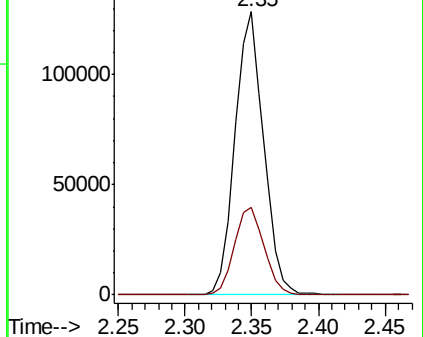
62 100

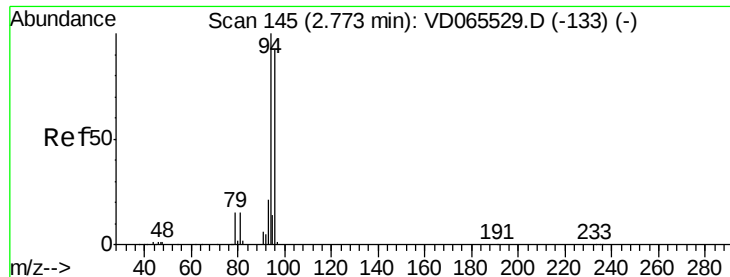
64 30.8 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 50.058 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065556.D

Acq: 27 Mar 2020 20:58

Instrument :

MSVOA_D

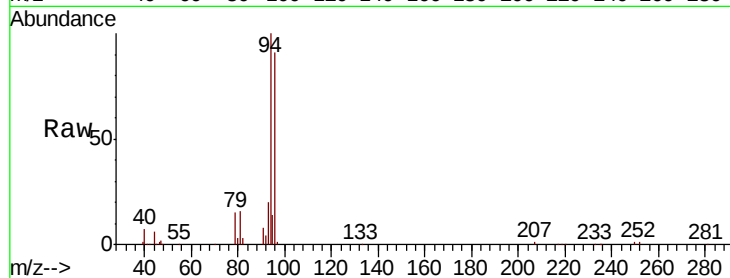
ClientSampleId :

Tot Ion: 94 Resp: 139091

Ion Ratio Lower Upper

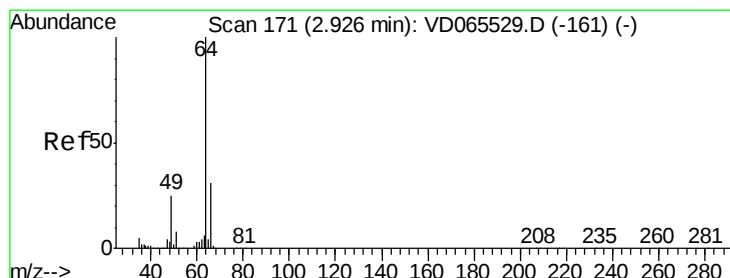
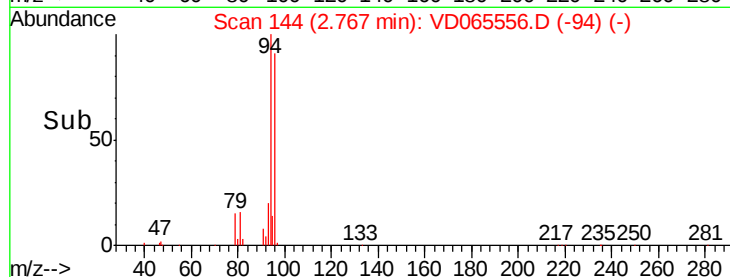
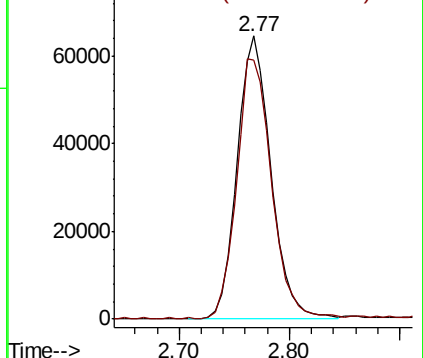
94 100

96 91.0 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: 46.094 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065556.D

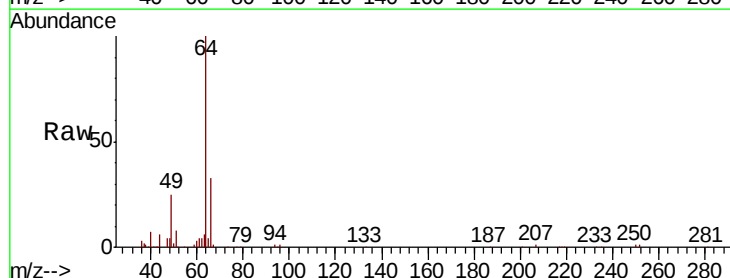
Acq: 27 Mar 2020 20:58

Tgt Ion: 64 Resp: 131084

Ion Ratio Lower Upper

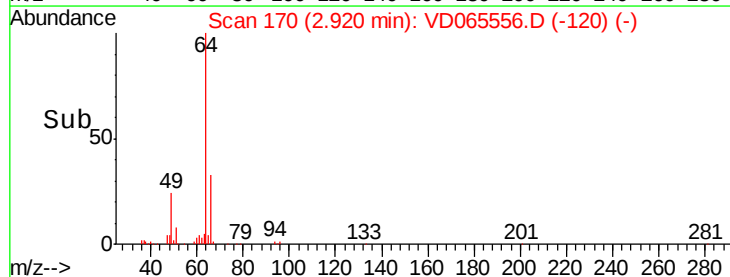
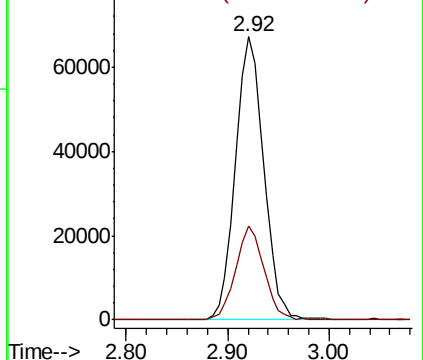
64 100

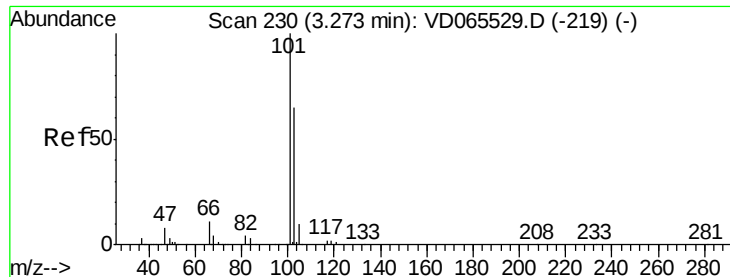
66 33.2 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



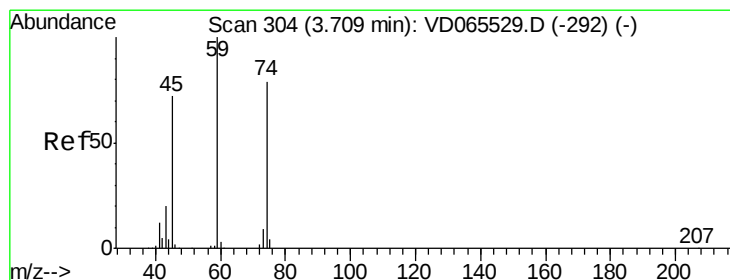
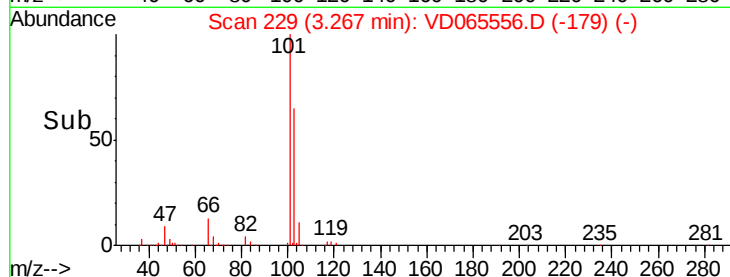
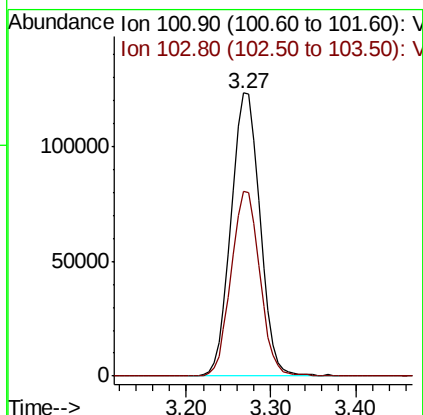
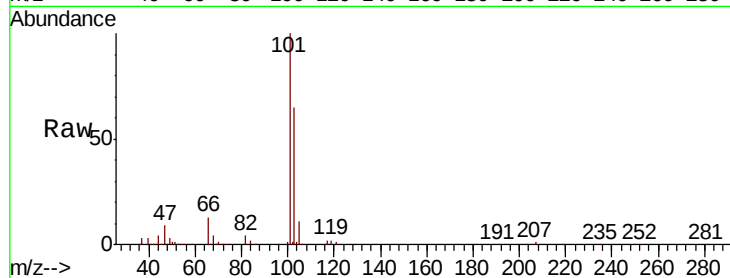


#7

Trichlorofluoromethane
 Concen: 44.450 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD065556.D
 Acq: 27 Mar 2020 20:58

Instrument :
 MSVOA_D
 ClientSampleId :

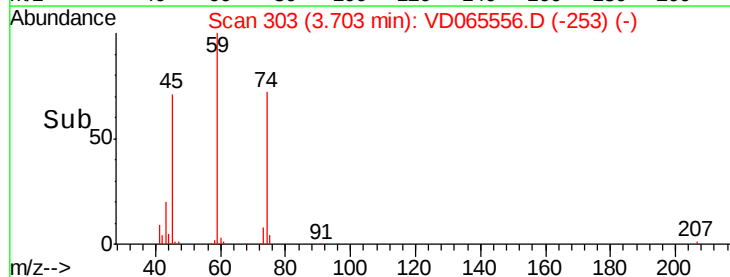
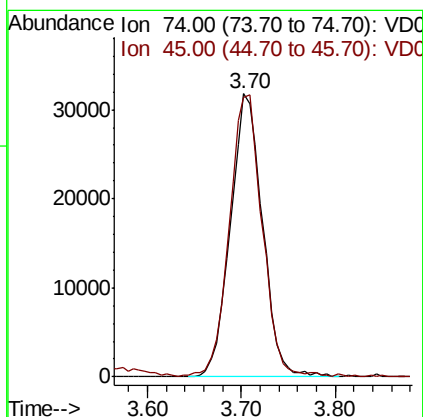
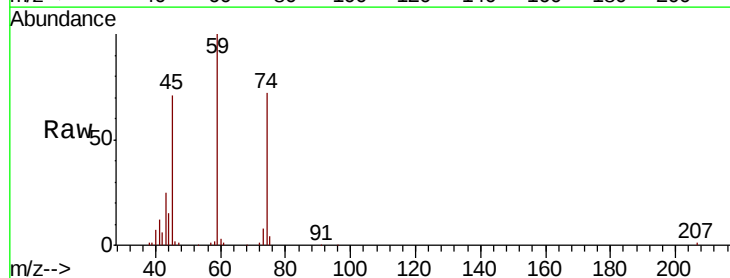
Tot Ion:101 Resp: 291837
 Ion Ratio Lower Upper
 101 100
 103 65.1 51.9 77.9

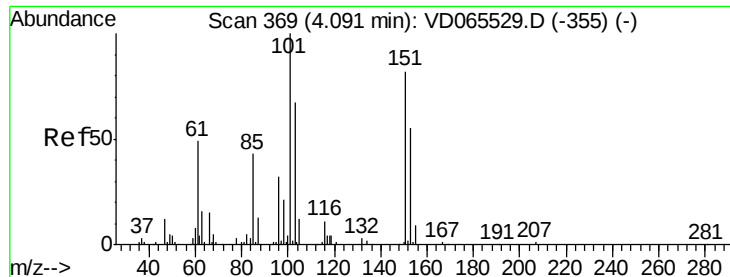


#8

Diethyl Ether
 Concen: 36.185 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD065556.D
 Acq: 27 Mar 2020 20:58

Tgt Ion: 74 Resp: 75384
 Ion Ratio Lower Upper
 74 100
 45 101.4 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 36.559 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD065556.D

Acq: 27 Mar 2020 20:58

Instrument :

MSVOA_D

ClientSampleId :

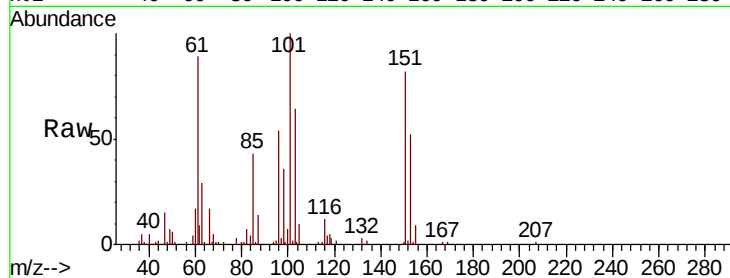
Tot Ion:101 Resp: 158306

Ion Ratio Lower Upper

101 100

85 42.9 32.6 48.8

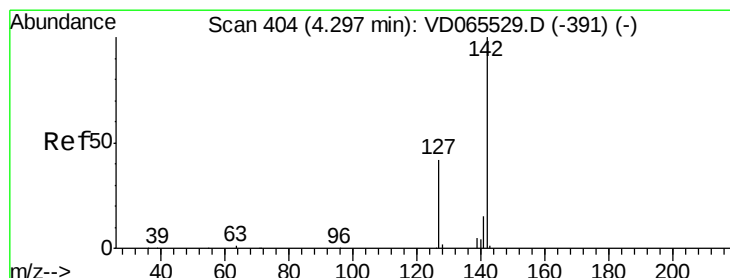
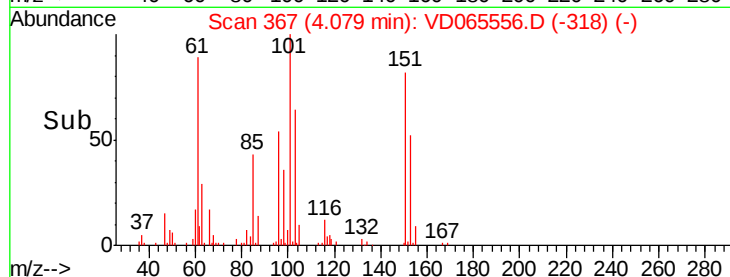
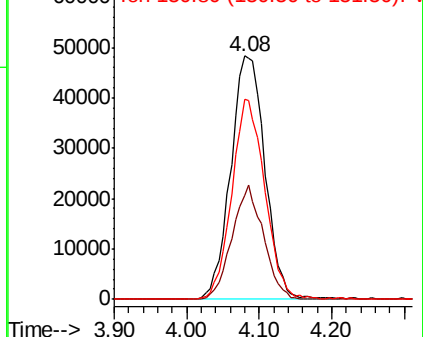
151 79.2 65.5 98.3



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: 42.401 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065556.D

Acq: 27 Mar 2020 20:58

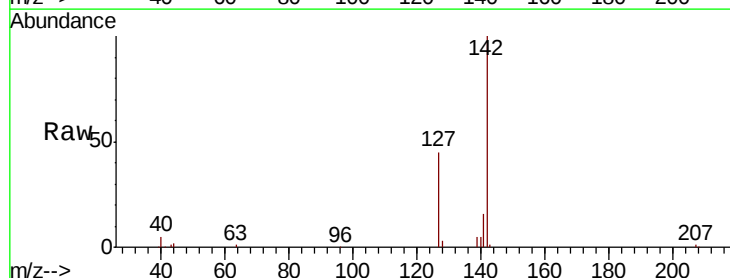
Tgt Ion:142 Resp: 212444

Ion Ratio Lower Upper

142 100

127 45.0 33.9 50.9

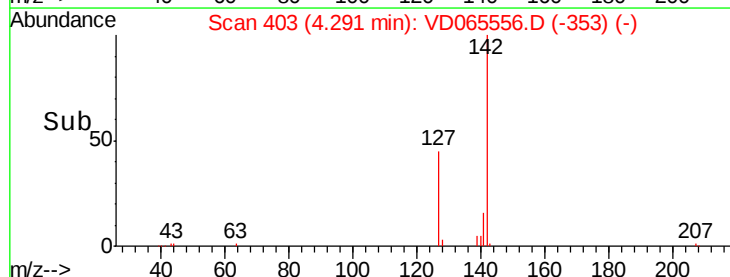
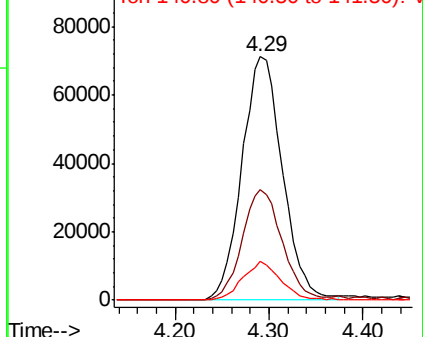
141 14.9 11.6 17.4

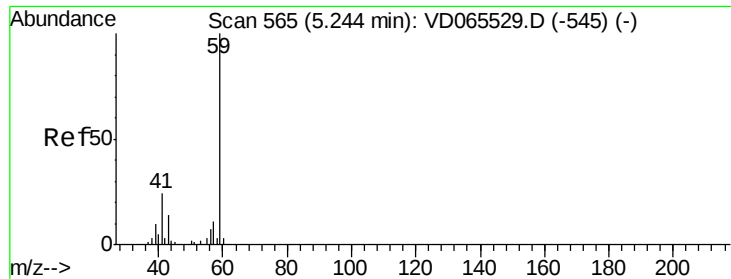


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



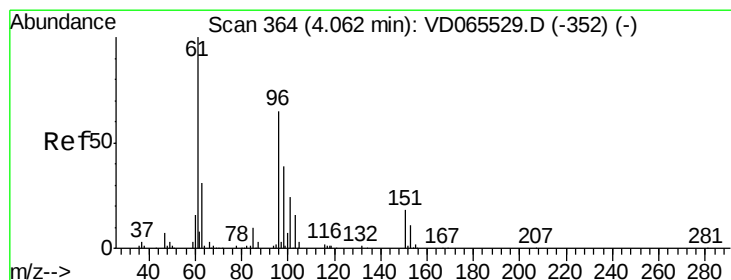
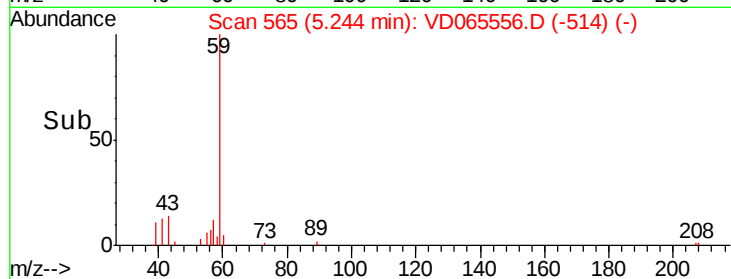
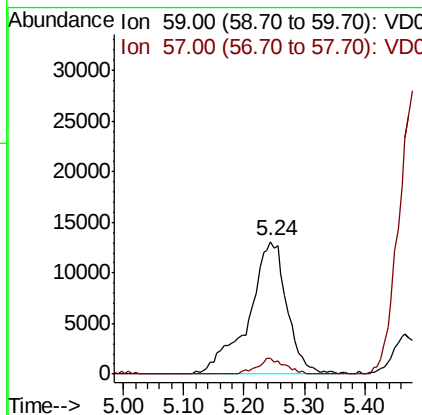
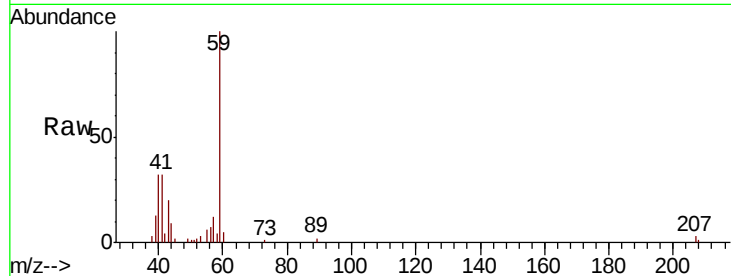


#11

Tert butyl alcohol
Concen: 259.754 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.00 min
Lab File: VD065556.D
Acq: 27 Mar 2020 20:58

Instrument :
MSVOA_D
ClientSampleId :

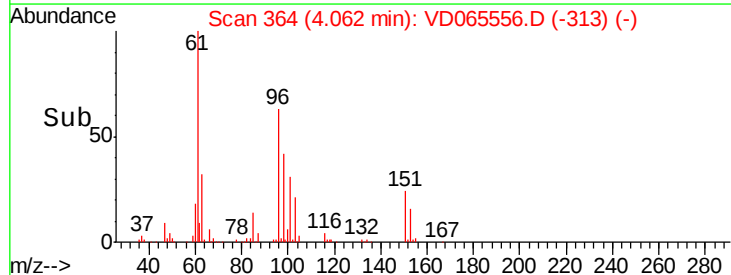
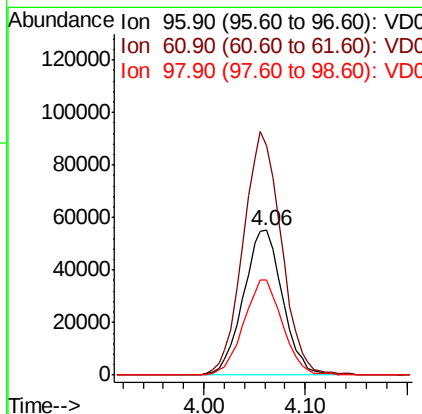
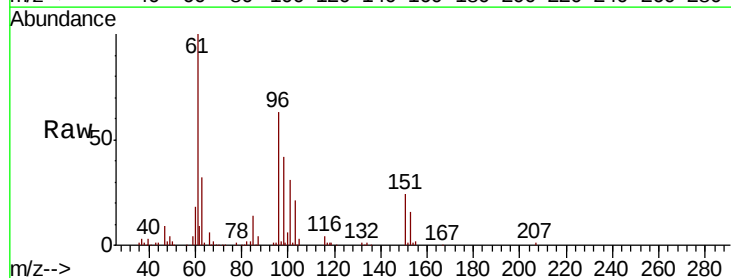
Tot Ion: 59 Resp: 57905
Ion Ratio Lower Upper
59 100
57 8.5 8.1 12.1

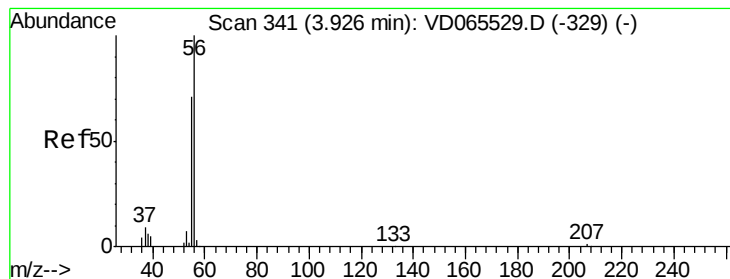


#12

1,1-Dichloroethene
Concen: 36.154 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD065556.D
Acq: 27 Mar 2020 20:58

Tgt Ion: 96 Resp: 148743
Ion Ratio Lower Upper
96 100
61 158.1 124.0 186.0
98 65.7 48.2 72.4





#13

Acrolein

Concen: 223.187 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065556.D

Acq: 27 Mar 2020 20:58

Instrument :

MSVOA_D

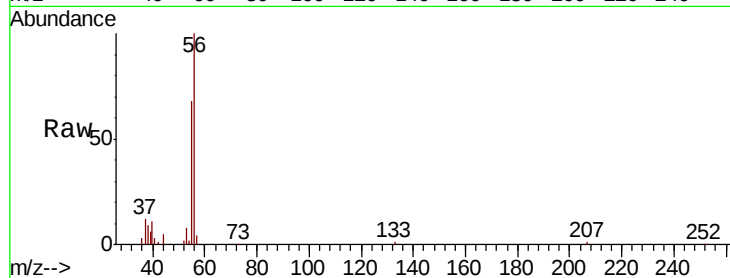
ClientSampleId :

Tot Ion: 56 Resp: 84003

Ion Ratio Lower Upper

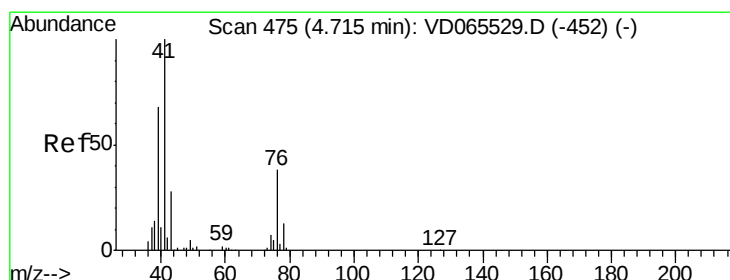
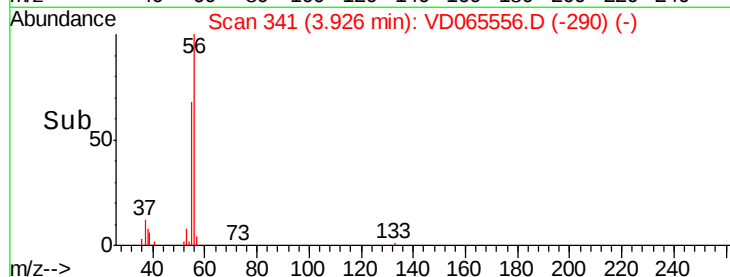
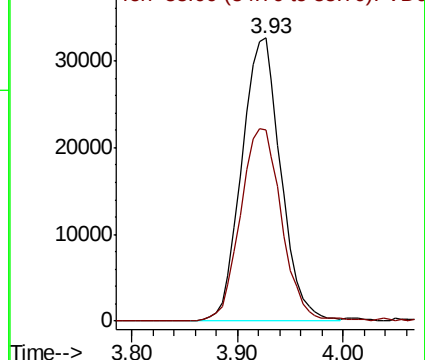
56 100

55 71.6 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: 48.064 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065556.D

Acq: 27 Mar 2020 20:58

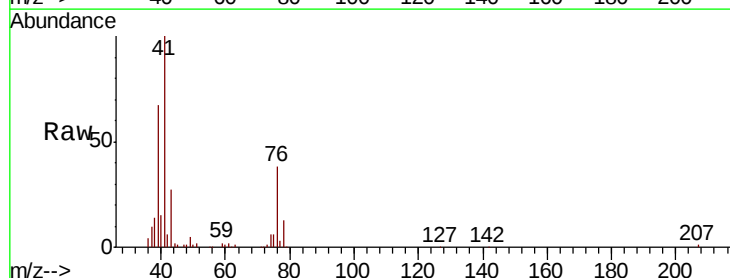
Tgt Ion: 41 Resp: 300881

Ion Ratio Lower Upper

41 100

39 66.0 52.9 79.3

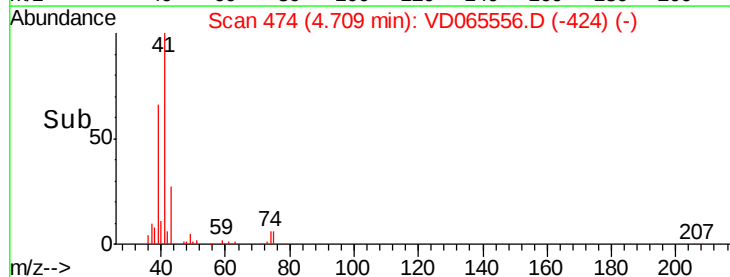
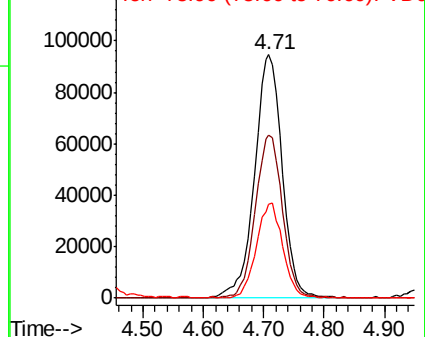
76 36.5 28.9 43.3

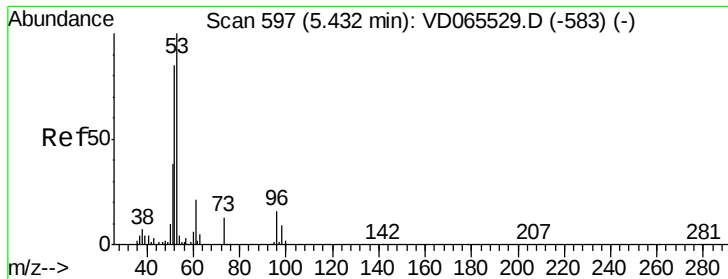


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

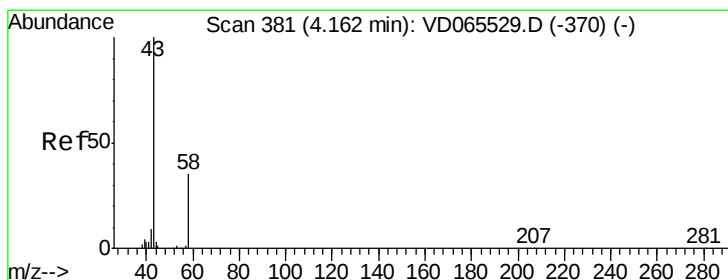
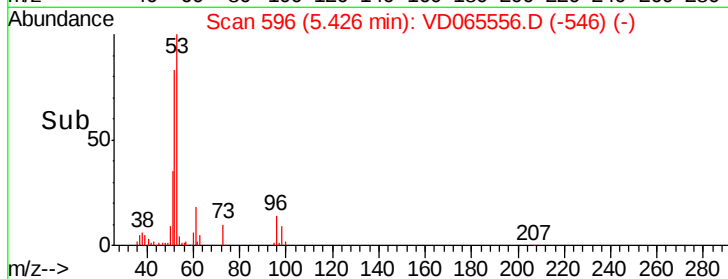
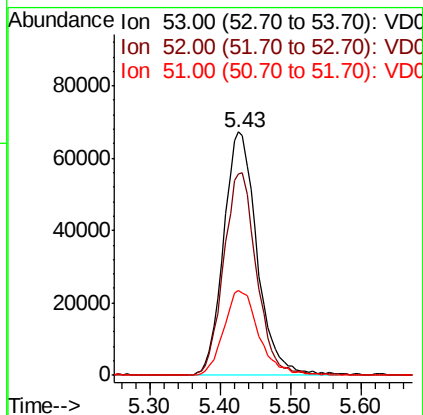
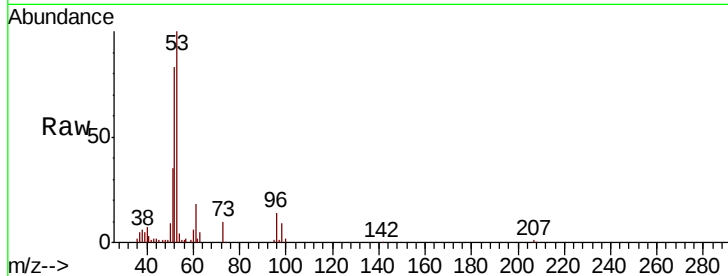




#15
 Acrylonitrile
 Concen: 258.615 ug/l
 RT: 5.43 min Scan# 596
 Delta R.T. -0.01 min
 Lab File: VD065556.D
 Acq: 27 Mar 2020 20:58

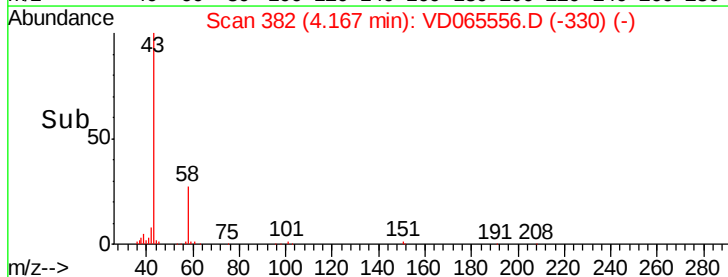
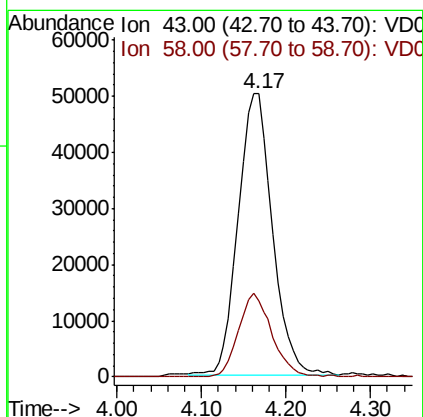
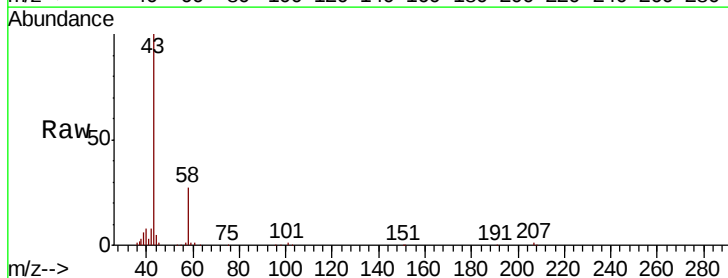
Instrument :
 MSVOA_D
 ClientSampleID :

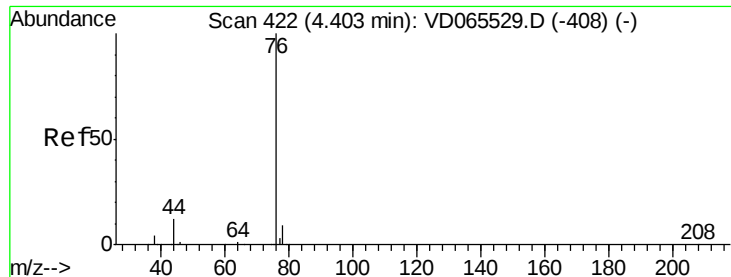
Tot Ion: 53 Resp: 221852
 Ion Ratio Lower Upper
 53 100
 52 81.6 65.8 98.6
 51 36.6 29.7 44.5



#16
 Acetone
 Concen: 188.910 ug/l
 RT: 4.17 min Scan# 382
 Delta R.T. 0.01 min
 Lab File: VD065556.D
 Acq: 27 Mar 2020 20:58

Tgt Ion: 43 Resp: 141302
 Ion Ratio Lower Upper
 43 100
 58 26.6 27.9 41.9#

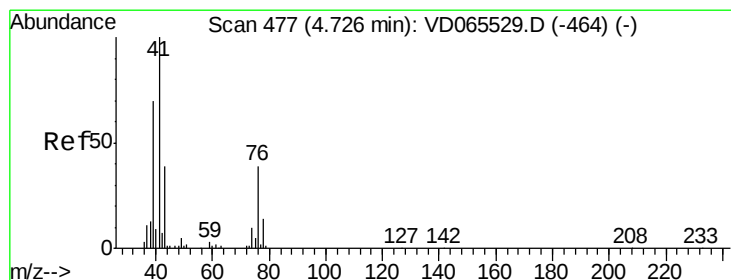
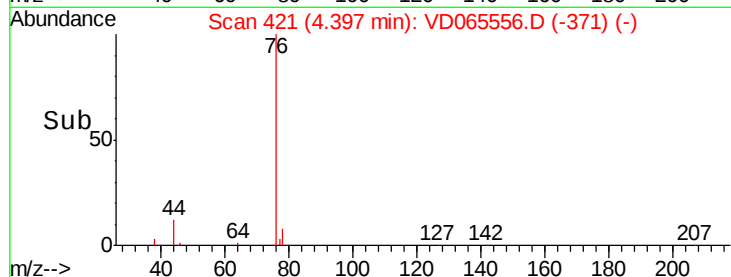
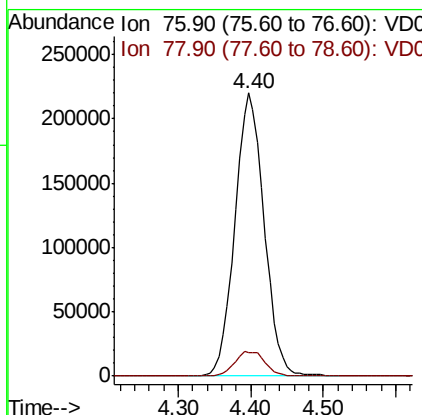
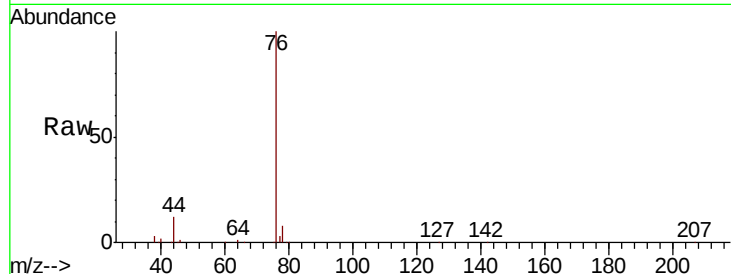




#17
Carbon Disulfide
Concen: 45.438 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD065556.D
Acq: 27 Mar 2020 20:58

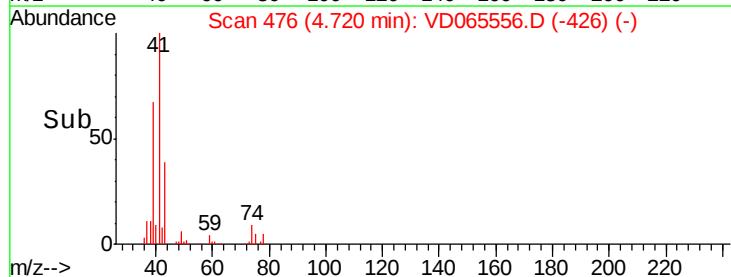
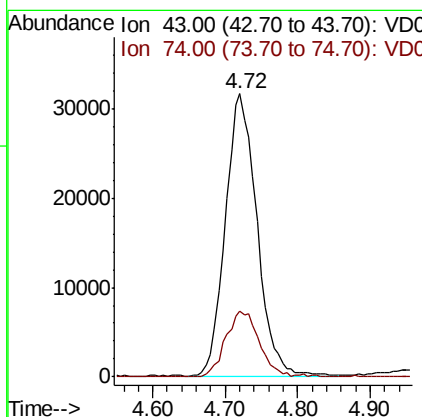
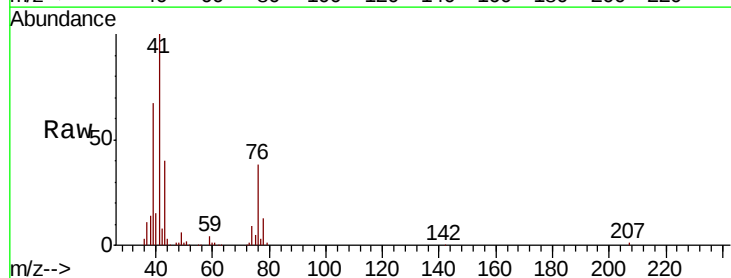
Instrument :
MSVOA_D
ClientSampleId :

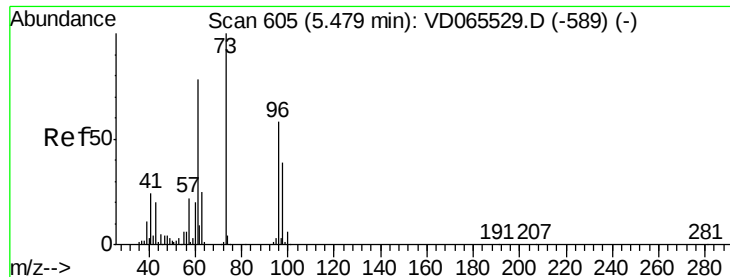
Tot Ion: 76 Resp: 616292
Ion Ratio Lower Upper
76 100
78 8.5 7.5 11.3



#18
Methyl Acetate
Concen: 49.646 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD065556.D
Acq: 27 Mar 2020 20:58

Tgt Ion: 43 Resp: 96560
Ion Ratio Lower Upper
43 100
74 24.2 20.1 30.1



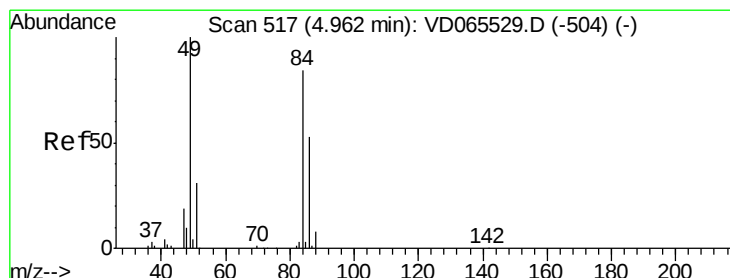
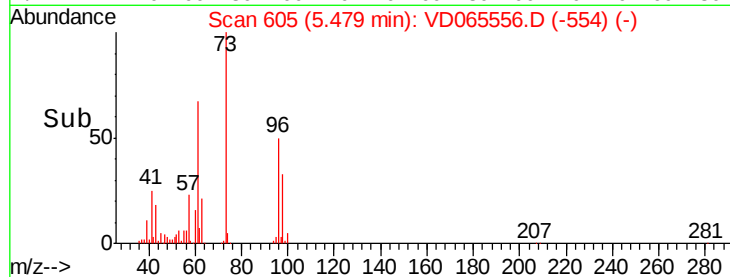
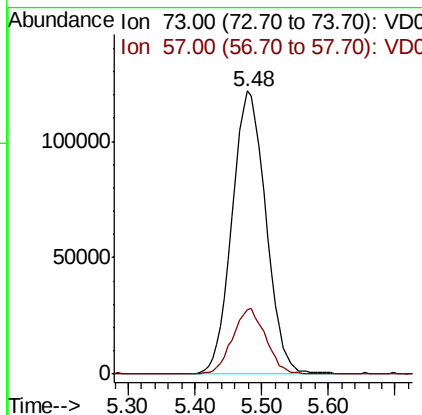
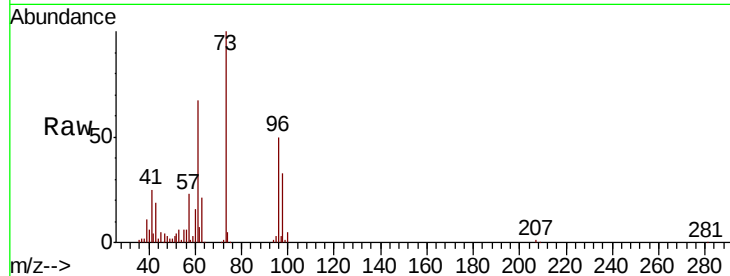


#19

Methyl tert-butyl Ether
 Concen: 52.241 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: VD065556.D
 Acq: 27 Mar 2020 20:58

Instrument :
 MSVOA_D
 ClientSampleId :

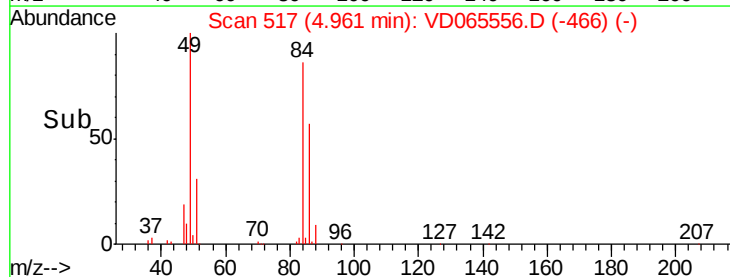
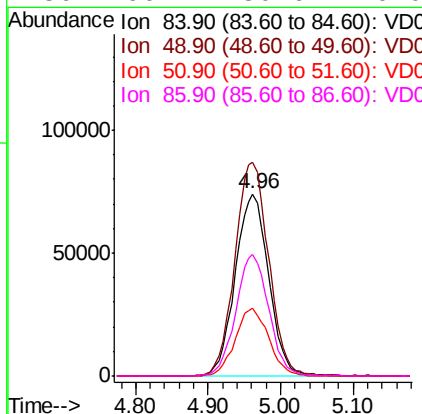
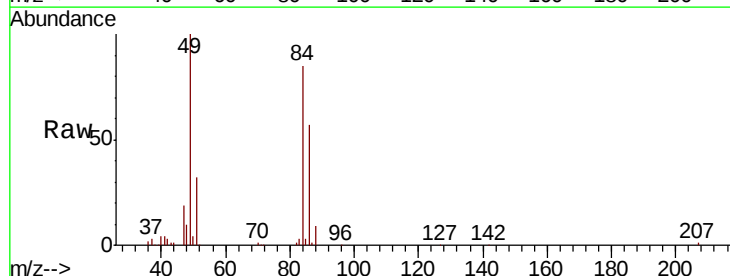
Tot Ion: 73 Resp: 428647
 Ion Ratio Lower Upper
 73 100
 57 23.0 17.7 26.5

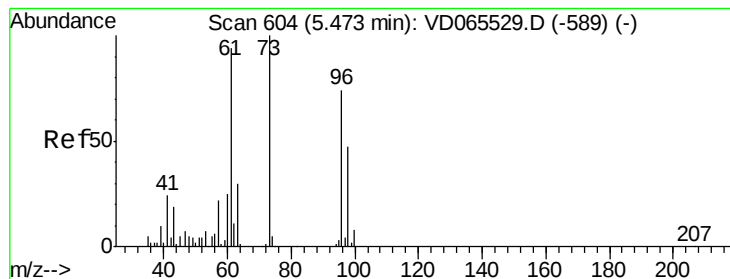


#20

Methylene Chloride
 Concen: 51.375 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD065556.D
 Acq: 27 Mar 2020 20:58

Tgt Ion: 84 Resp: 237239
 Ion Ratio Lower Upper
 84 100
 49 117.1 95.6 143.4
 51 37.0 29.4 44.2
 86 66.4 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 48.180 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065556.D

Acq: 27 Mar 2020 20:58

Instrument :
MSVOA_D
ClientSampleId :

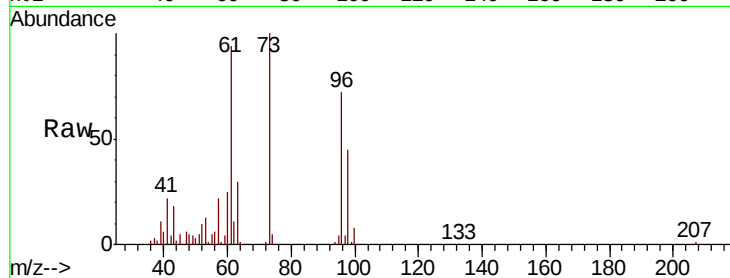
Tot Ion: 96 Resp: 228052

Ion Ratio Lower Upper

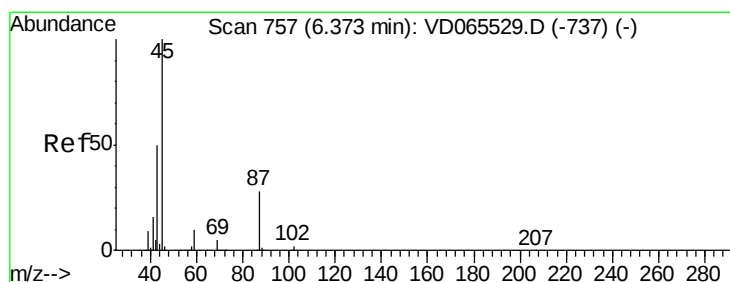
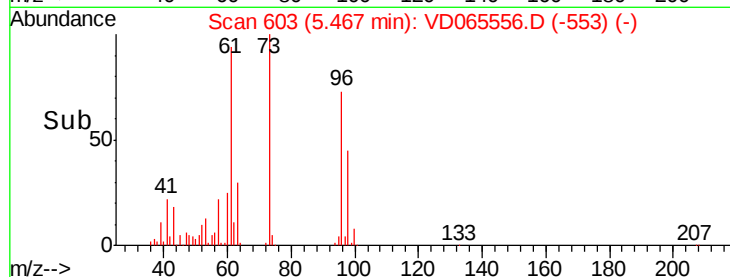
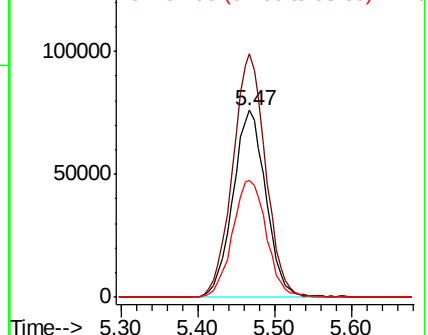
96 100

61 130.1 101.8 152.6

98 62.2 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: 54.343 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065556.D

Acq: 27 Mar 2020 20:58

Tgt Ion: 45 Resp: 659677

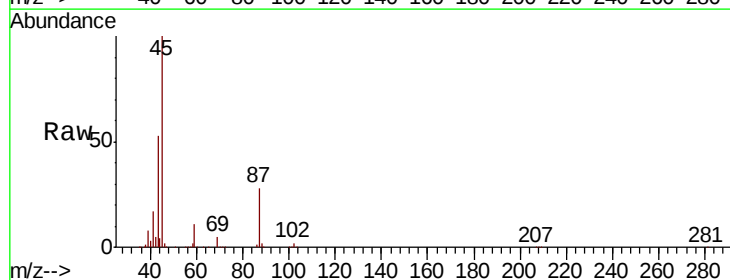
Ion Ratio Lower Upper

45 100

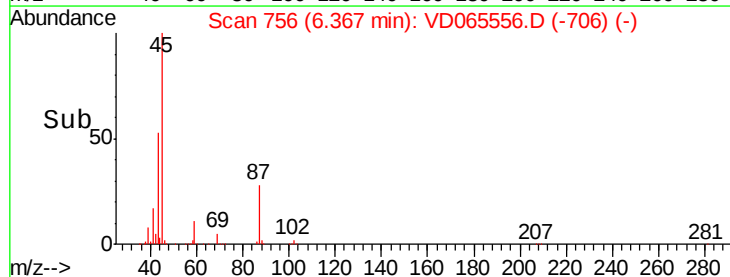
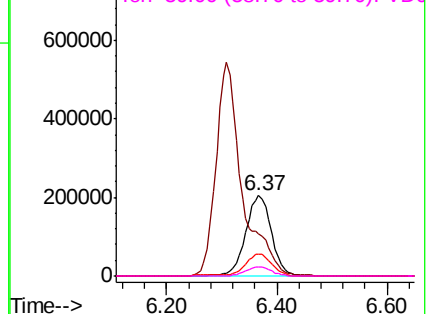
43 52.2 40.5 60.7

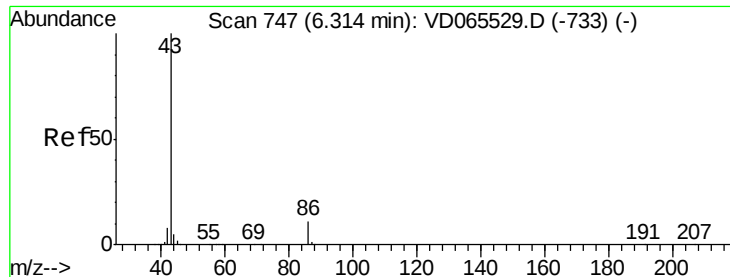
87 27.8 22.5 33.7

59 11.1 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: 270.832 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065556.D

Acq: 27 Mar 2020 20:58

Instrument :

MSVOA_D

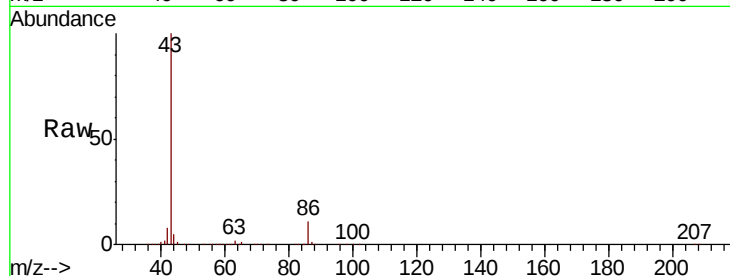
ClientSampleId :

Tot Ion: 43 Resp: 1790743

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

6.31

600000

500000

400000

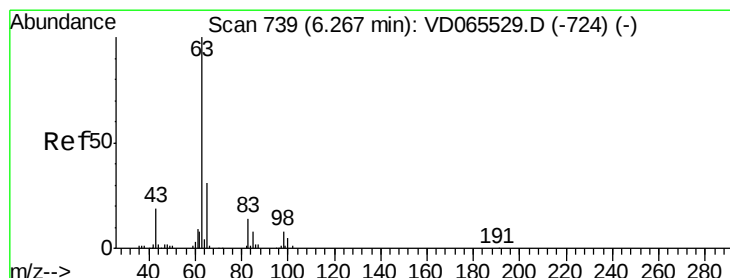
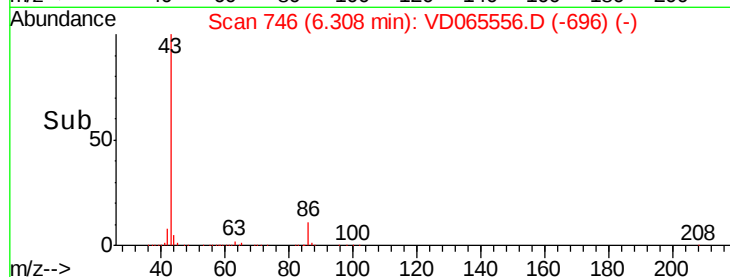
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.353 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065556.D

Acq: 27 Mar 2020 20:58

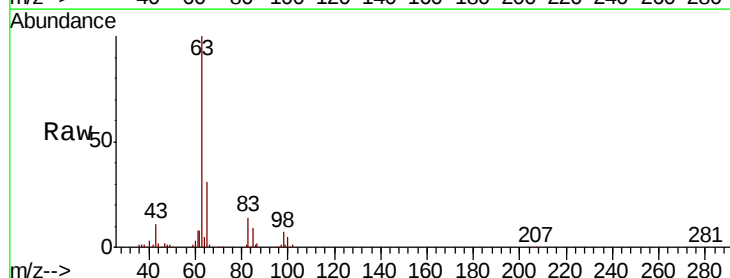
Tgt Ion: 63 Resp: 387598

Ion Ratio Lower Upper

63 100

98 7.4 4.2 12.6

100 4.7 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

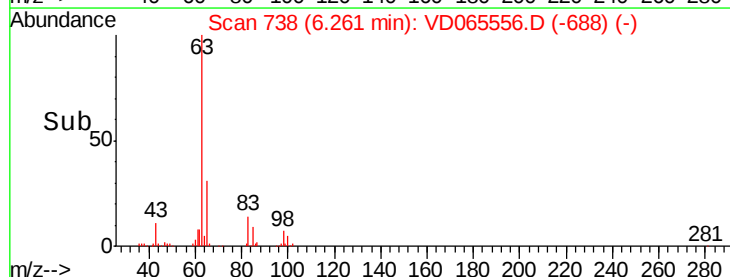
150000

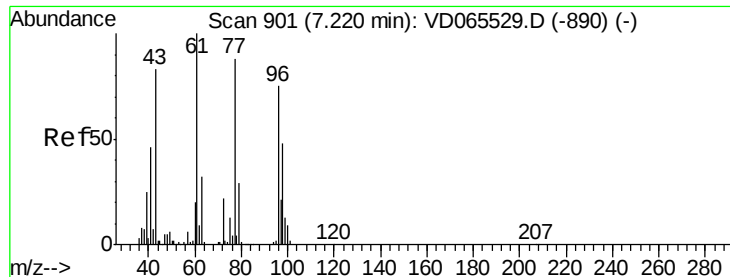
100000

50000

0

Time-->





#25

2-Butanone

Concen: 250.728 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD065556.D

Acq: 27 Mar 2020 20:58

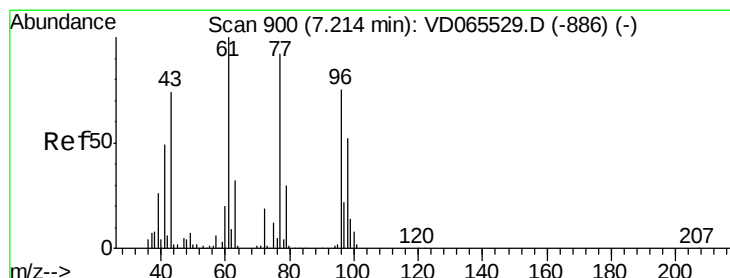
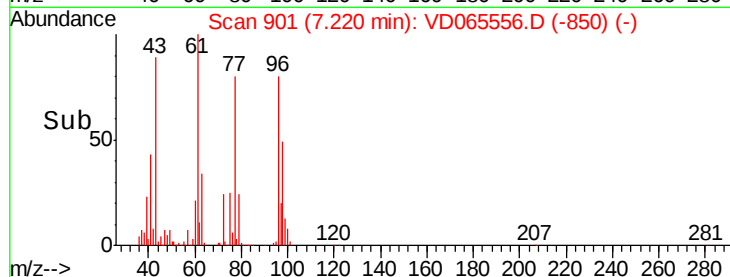
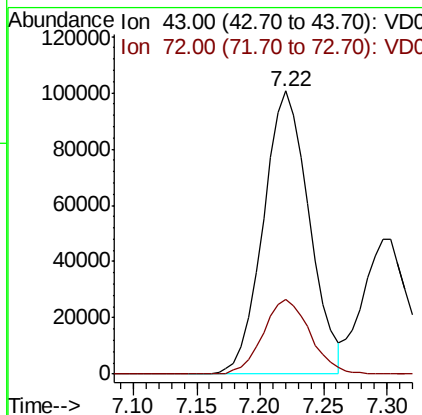
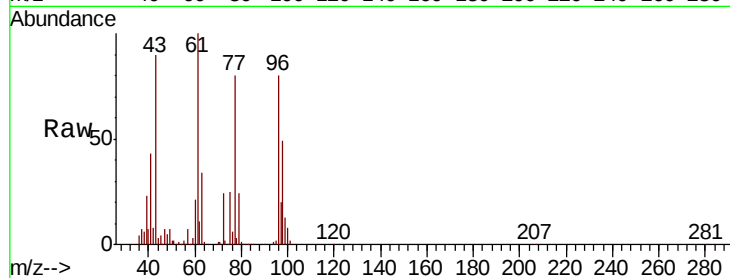
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 254696

Ion Ratio Lower Upper

43 100

72 26.5 21.5 32.3



#26

2,2-Dichloropropane

Concen: 45.346 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065556.D

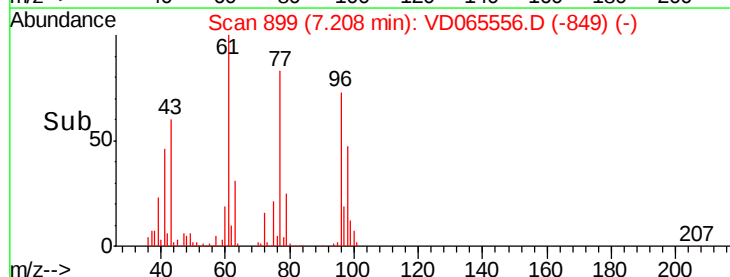
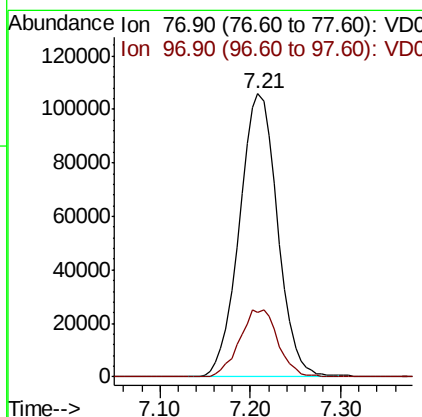
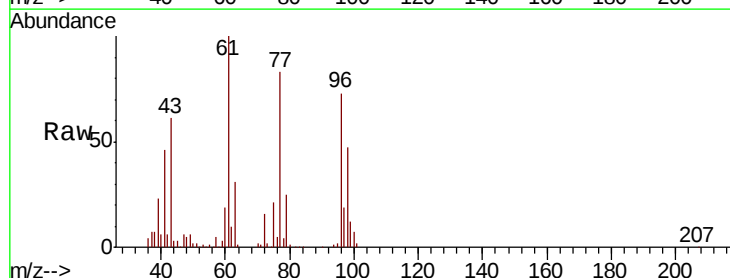
Acq: 27 Mar 2020 20:58

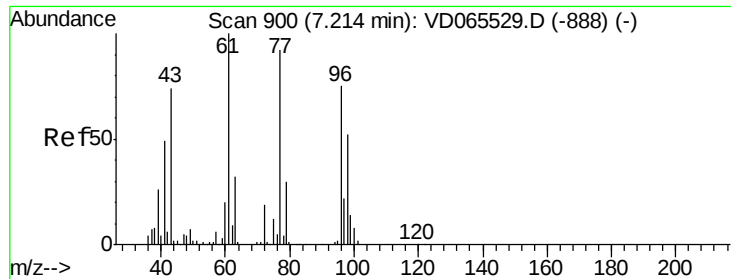
Tgt Ion: 77 Resp: 309101

Ion Ratio Lower Upper

77 100

97 24.0 11.7 35.1



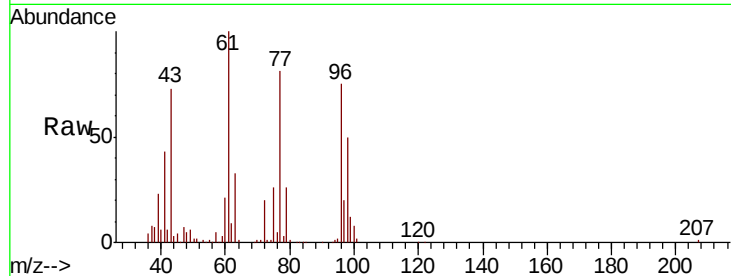


#27

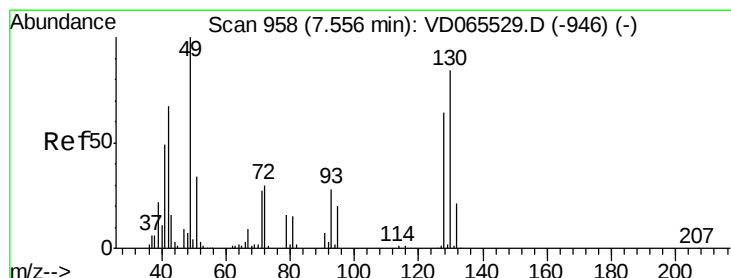
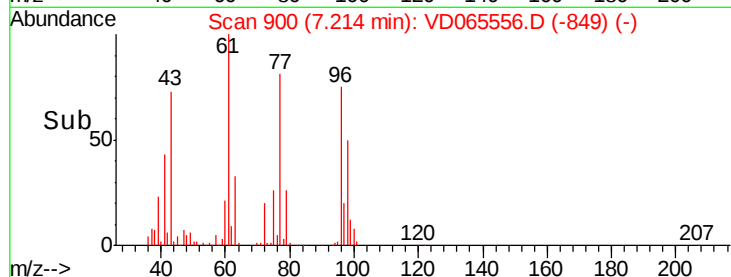
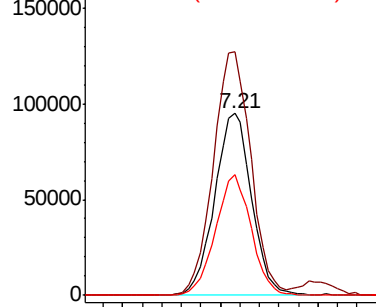
cis-1,2-Dichloroethene
Concen: 50.884 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD065556.D
Acq: 27 Mar 2020 20:58

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 96 Resp: 249581
Ion Ratio Lower Upper
96 100
61 136.6 0.0 278.0
98 64.6 0.0 129.6



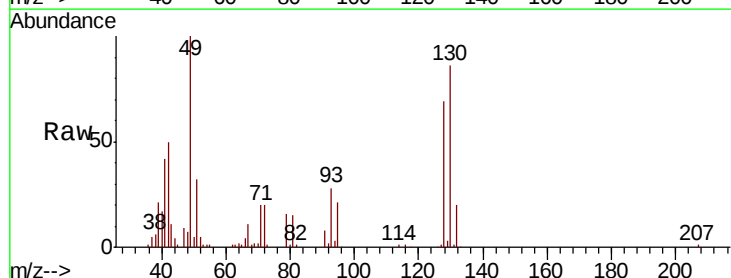
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



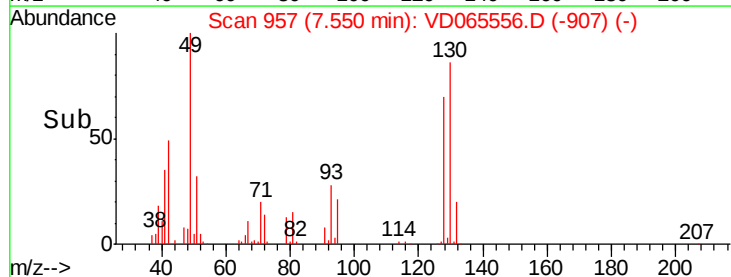
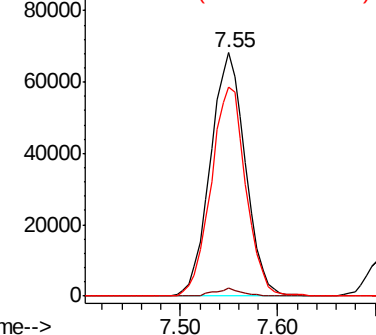
#28

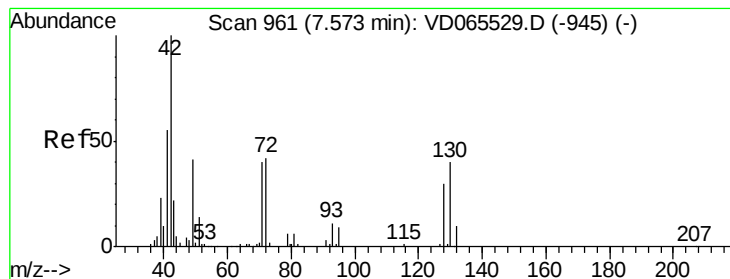
Bromochloromethane
Concen: 53.403 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.01 min
Lab File: VD065556.D
Acq: 27 Mar 2020 20:58

Tgt Ion: 49 Resp: 170920
Ion Ratio Lower Upper
49 100
129 2.3 0.0 4.4
130 85.9 69.7 104.5



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





#29

Tetrahydrofuran

Concen: 259.088 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD065556.D

Acq: 27 Mar 2020 20:58

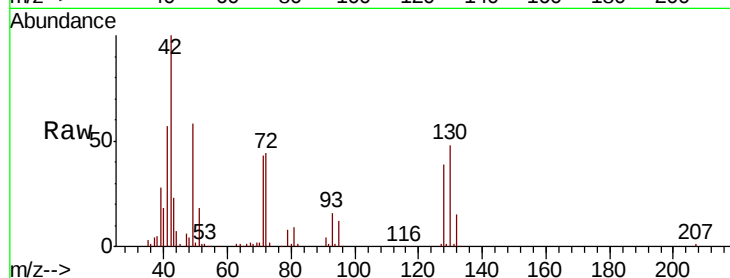
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 42 Resp: 170576

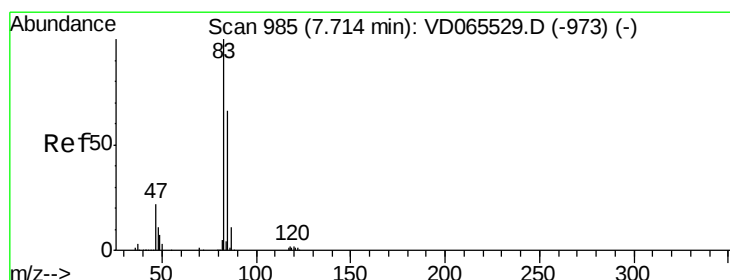
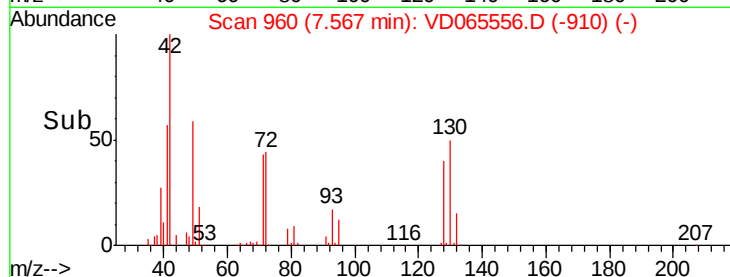
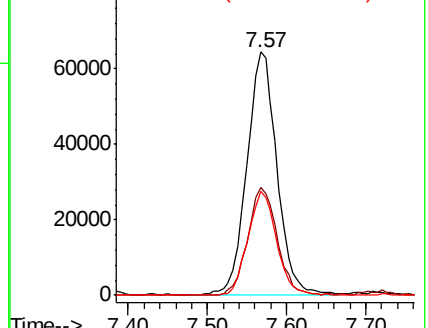
Ion	Ratio	Lower	Upper
42	100		
72	43.5	35.0	52.6
71	40.7	33.0	49.6



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: 50.437 ug/l

RT: 7.71 min Scan# 985

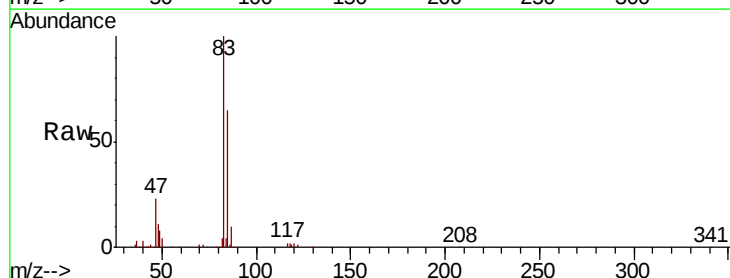
Delta R.T. -0.00 min

Lab File: VD065556.D

Acq: 27 Mar 2020 20:58

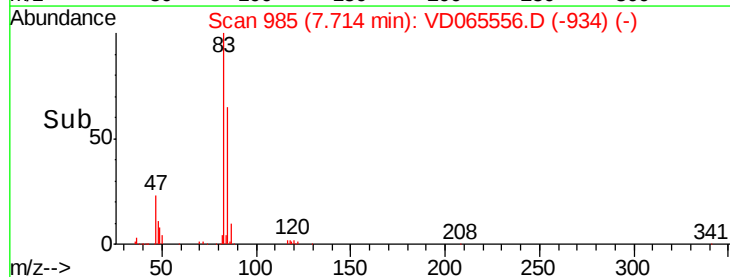
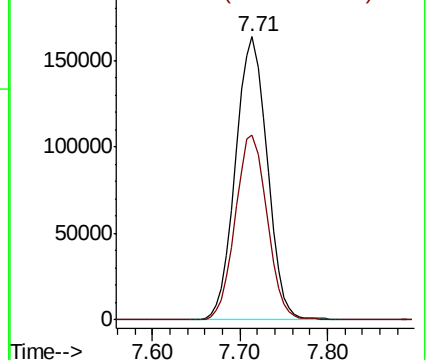
Tgt Ion: 83 Resp: 402168

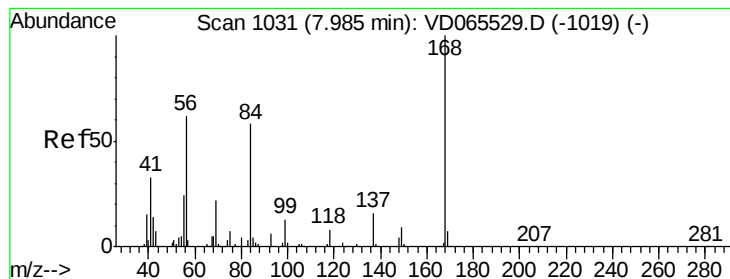
Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.9	79.3



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 43.465 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065556.D

Acq: 27 Mar 2020 20:58

Instrument :

MSVOA_D

ClientSampled :

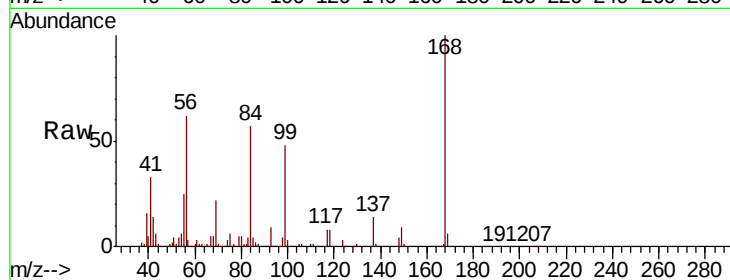
Tot Ion: 56 Resp: 323892

Ion Ratio Lower Upper

56 100

69 35.3 28.2 42.4

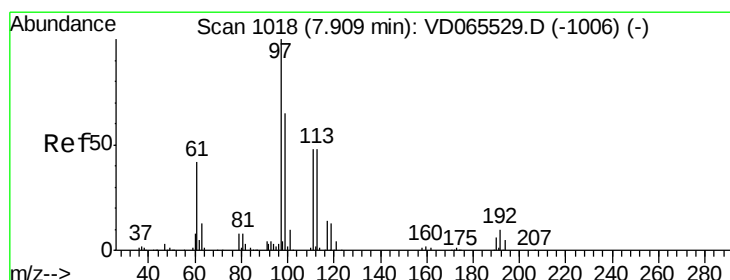
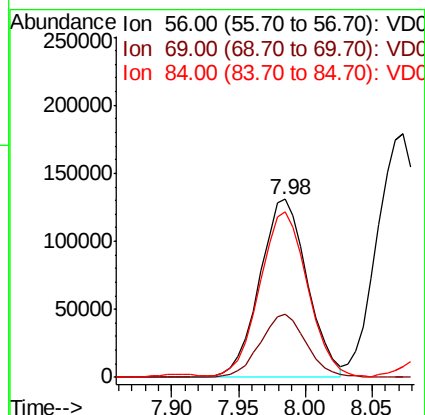
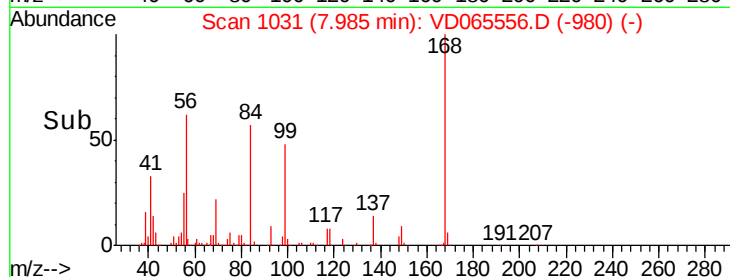
84 91.0 73.4 110.0



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: 47.435 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065556.D

Acq: 27 Mar 2020 20:58

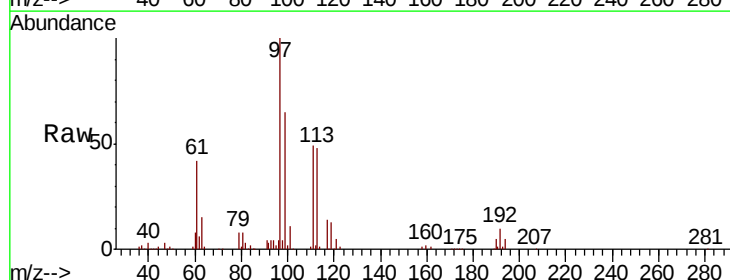
Tgt Ion: 97 Resp: 341702

Ion Ratio Lower Upper

97 100

99 64.5 51.2 76.8

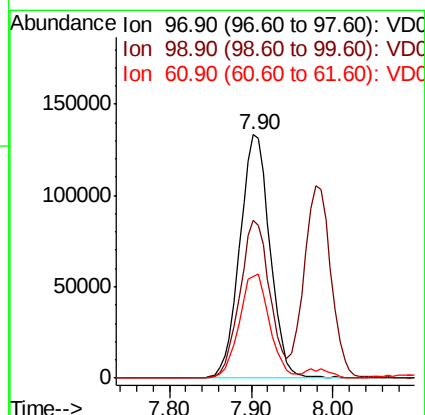
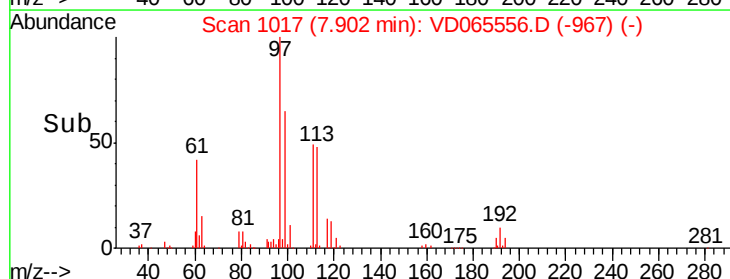
61 42.8 33.4 50.2

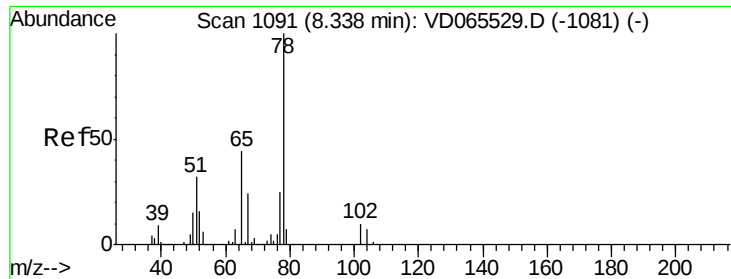


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 98.90 (98.60 to 99.60): VDC

Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 58.112 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065556.D

Acq: 27 Mar 2020 20:58

Instrument :

MSVOA_D

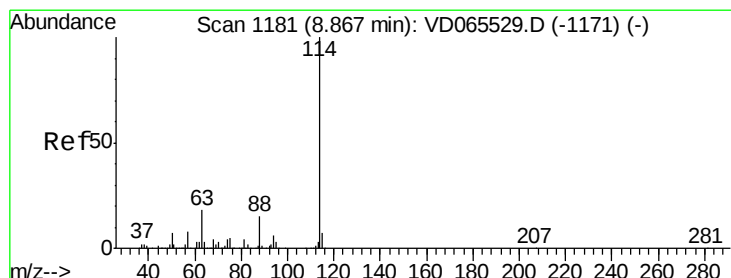
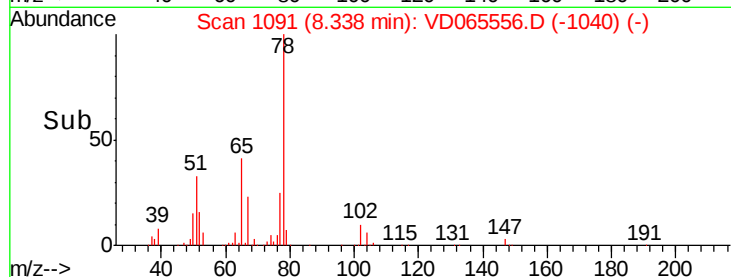
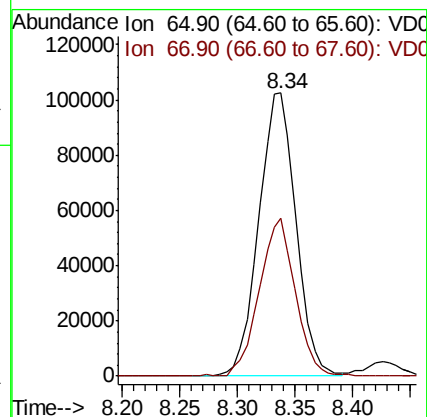
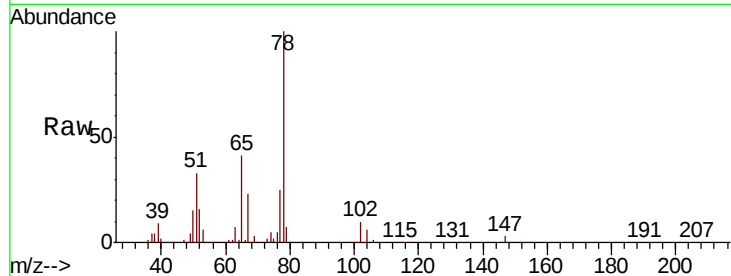
ClientSampleId :

Tot Ion: 65 Resp: 230368

Ion Ratio Lower Upper

65 100

67 54.0 0.0 107.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065556.D

Acq: 27 Mar 2020 20:58

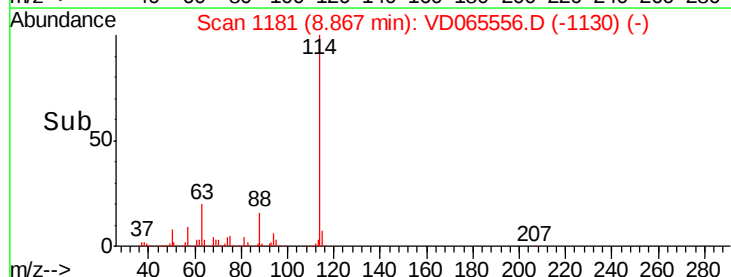
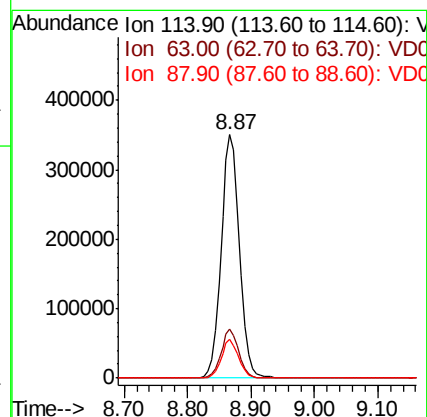
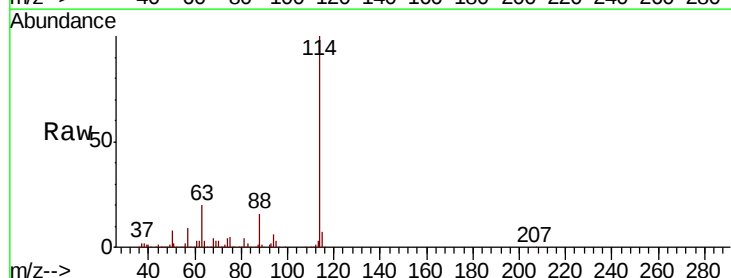
Tgt Ion: 114 Resp: 711235

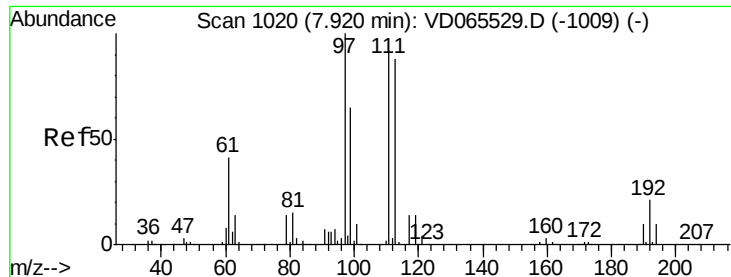
Ion Ratio Lower Upper

114 100

63 19.9 0.0 37.0

88 15.7 0.0 30.4

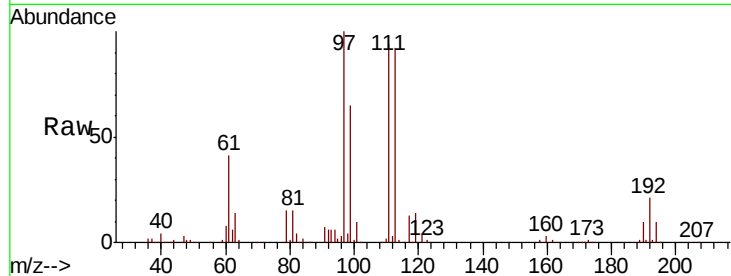




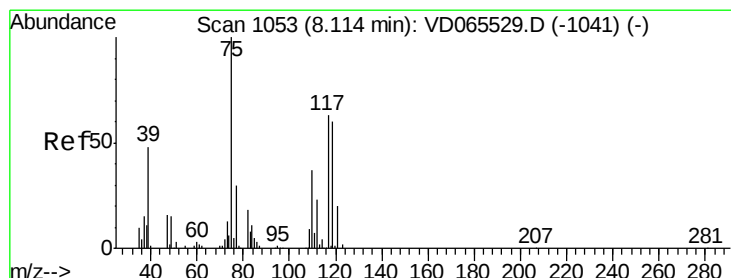
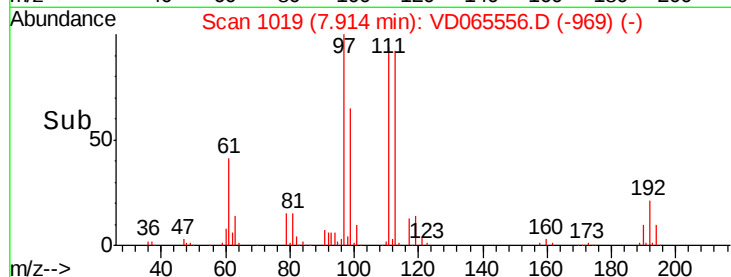
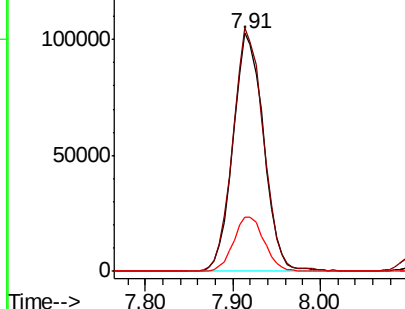
#35
 Dibromofluoromethane
 Concen: 55.336 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065556.D
 Acq: 27 Mar 2020 20:58

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	83.3	124.9
192	22.8	18.5	27.7

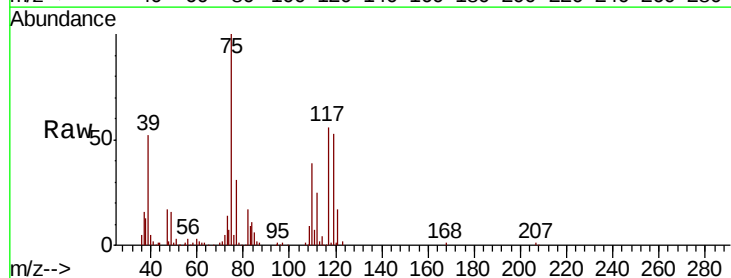


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

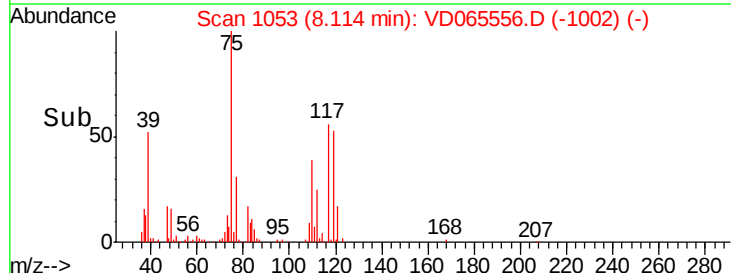
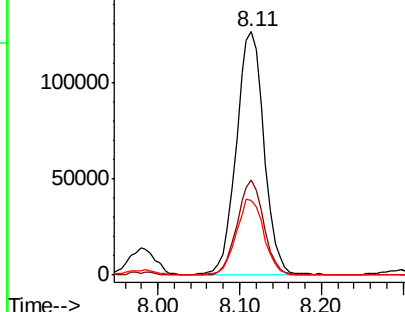


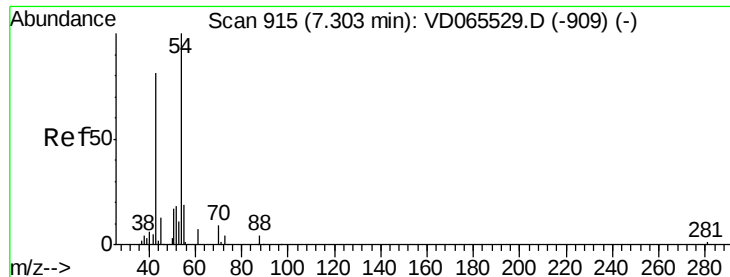
#36
 1,1-Dichloropropene
 Concen: 45.739 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065556.D
 Acq: 27 Mar 2020 20:58

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.3	18.8	56.4
77	31.5	25.1	37.7



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

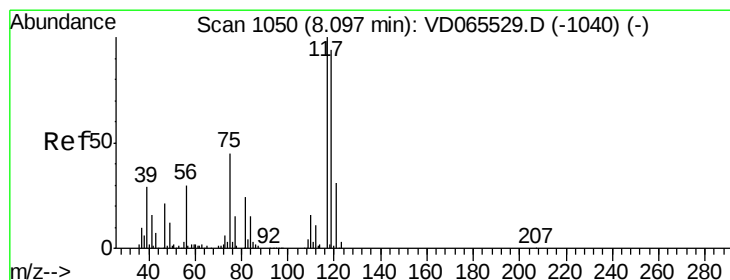
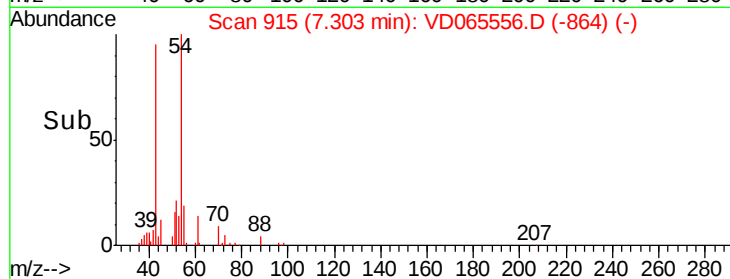
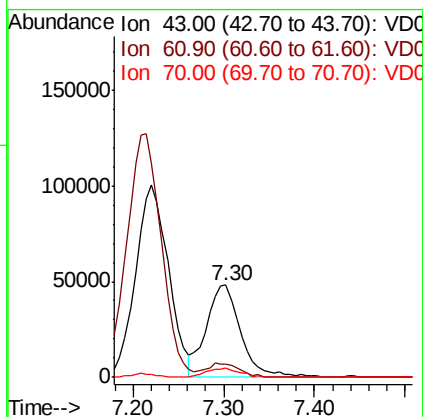
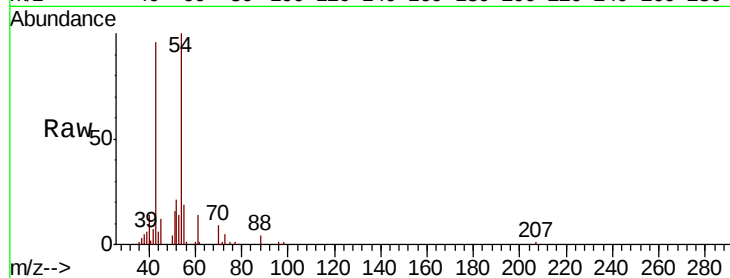




#37
Ethyl Acetate
Concen: 50.563 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD065556.D
Acq: 27 Mar 2020 20:58

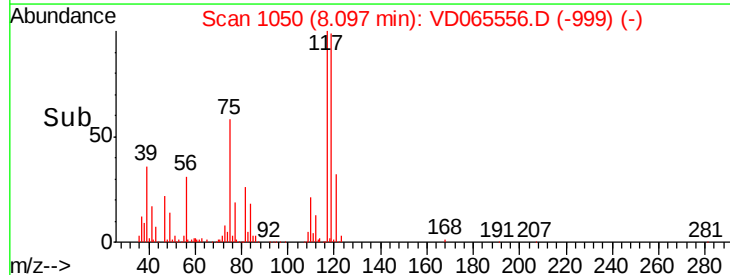
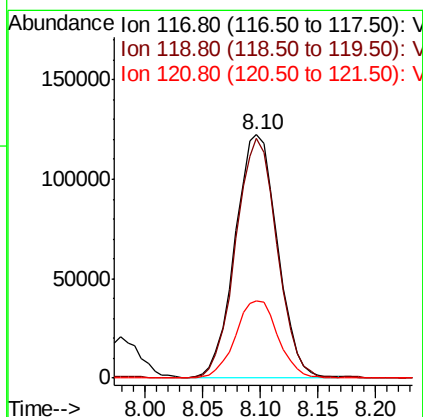
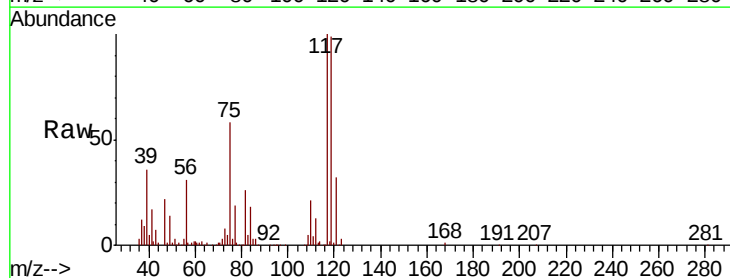
Instrument :
MSVOA_D
ClientSampled :

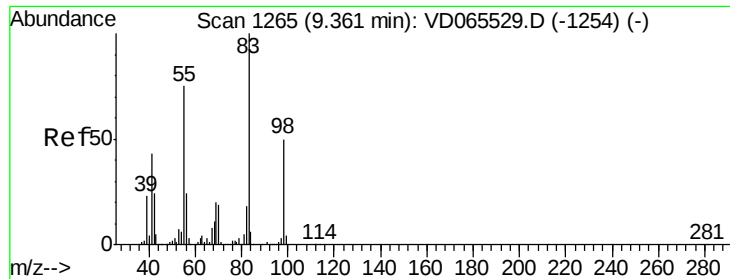
Tot Ion: 43 Resp: 125770
Ion Ratio Lower Upper
43 100
61 13.3 12.2 18.4
70 9.6 8.4 12.6



#38
Carbon Tetrachloride
Concen: 45.483 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065556.D
Acq: 27 Mar 2020 20:58

Tgt Ion: 117 Resp: 311299
Ion Ratio Lower Upper
117 100
119 98.8 75.2 112.8
121 32.0 24.5 36.7

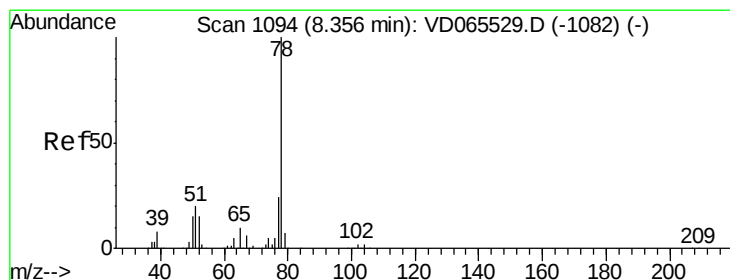
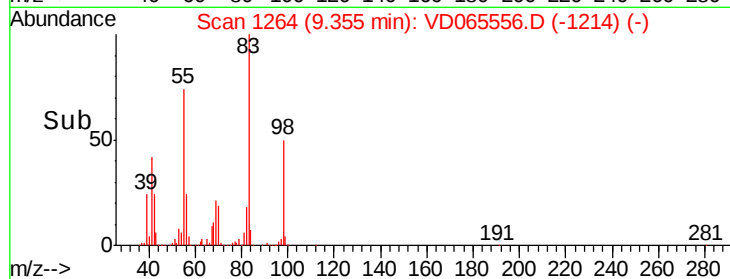
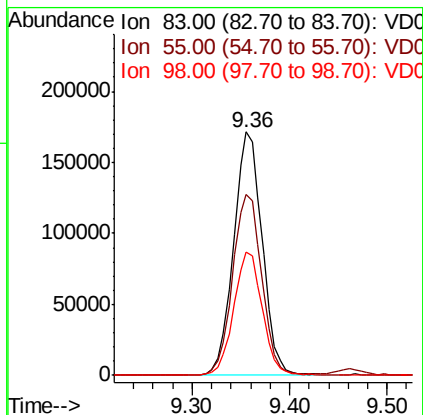
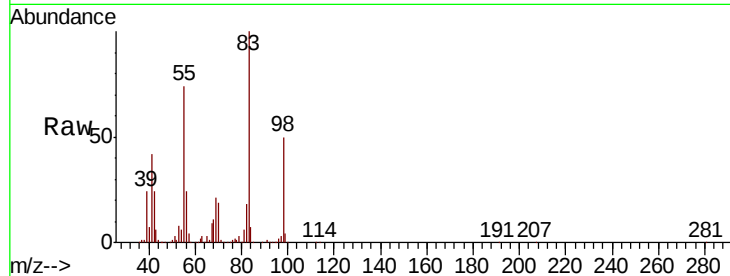




#39
Methvlcvclohexane
Concen: 45.692 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065556.D
Acq: 27 Mar 2020 20:58

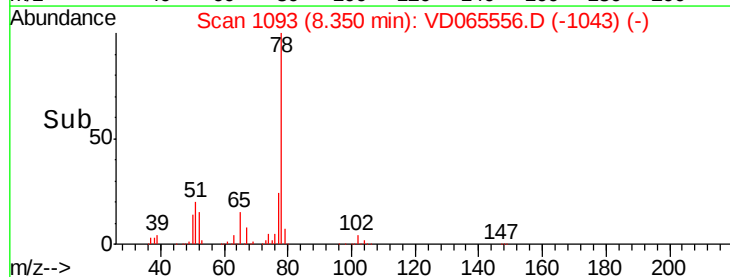
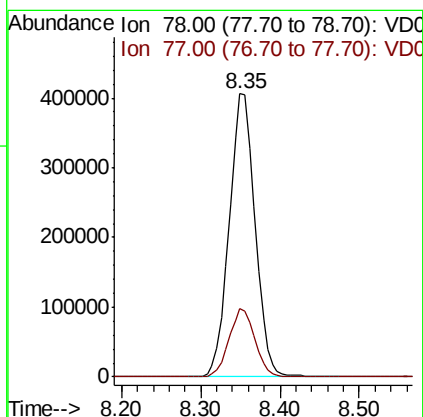
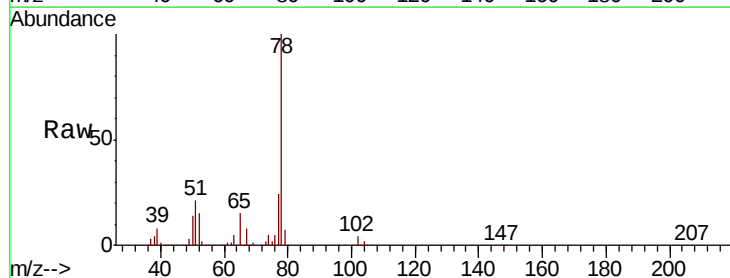
Instrument :
MSVOA_D
ClientSampled :

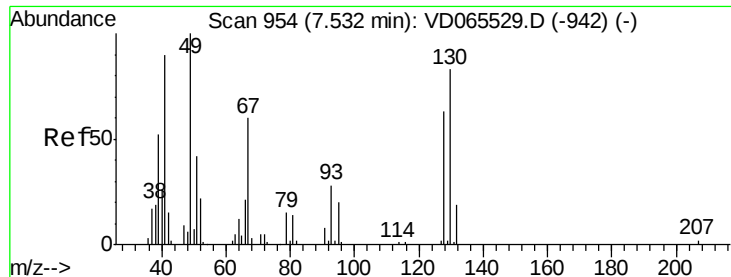
Tot Ion: 83 Resp: 350062
Ion Ratio Lower Upper
83 100
55 74.1 59.7 89.5
98 50.5 40.2 60.2



#40
Benzene
Concen: 49.528 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065556.D
Acq: 27 Mar 2020 20:58

Tgt Ion: 78 Resp: 918397
Ion Ratio Lower Upper
78 100
77 24.0 19.1 28.7

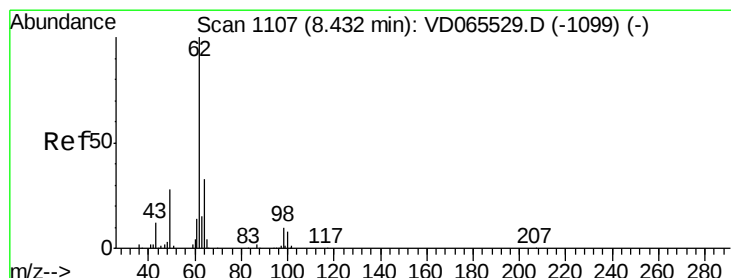
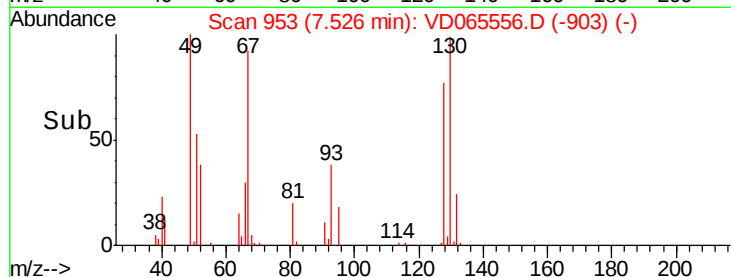
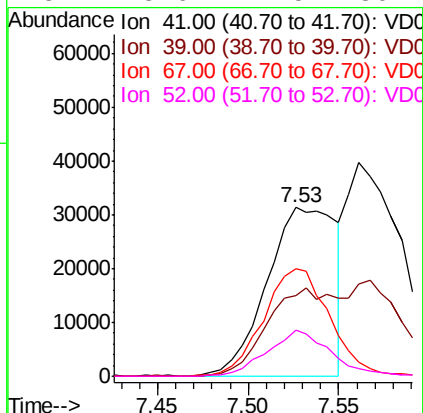
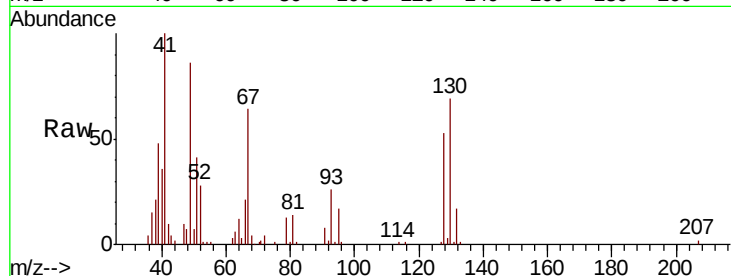




#41
Methacrylonitrile
Concen: 58.102 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD065556.D
Acq: 27 Mar 2020 20:58

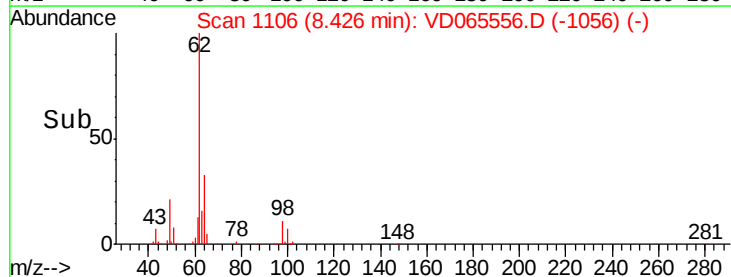
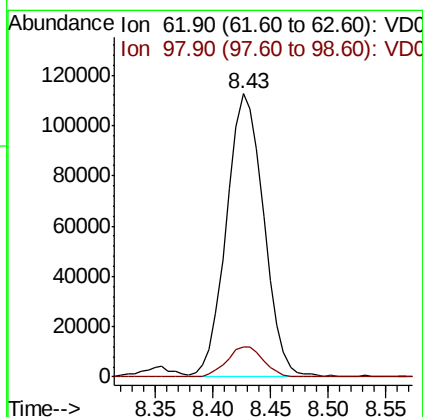
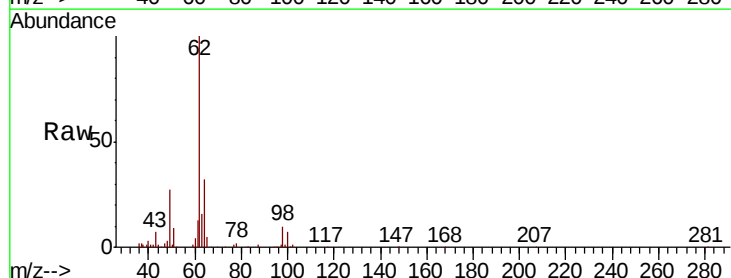
Instrument :
MSVOA_D
ClientSampled :

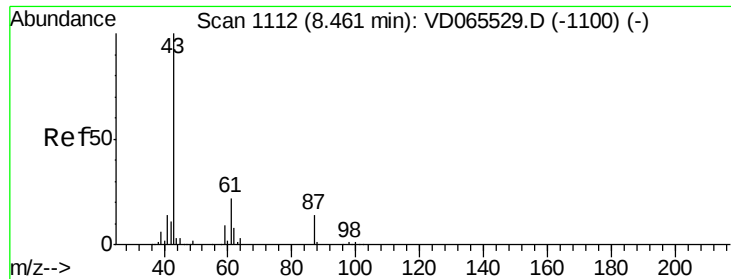
Tot Ion:	41	Resp:	83426
Ion	Ratio	Lower	Upper
41	100		
39	51.2	42.9	64.3
67	61.7	60.5	90.7
52	25.6	24.5	36.7



#42
1,2-Dichloroethane
Concen: 51.073 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065556.D
Acq: 27 Mar 2020 20:58

Tgt Ion:	62	Resp:	252004
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	21.8





#43

Isopropyl Acetate

Concen: 49.962 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD065556.D

Acq: 27 Mar 2020 20:58

Instrument :

MSVOA_D

ClientSampled :

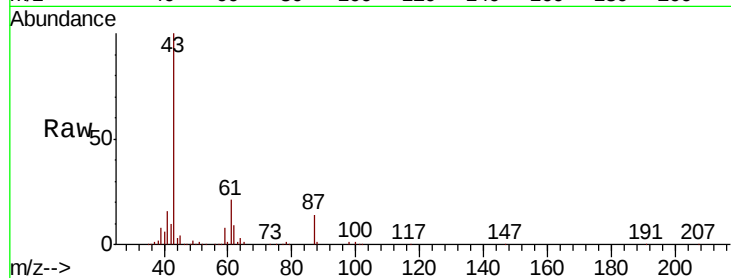
Tot Ion: 43 Resp: 225677

Ion Ratio Lower Upper

43 100

61 33.0 25.0 37.4

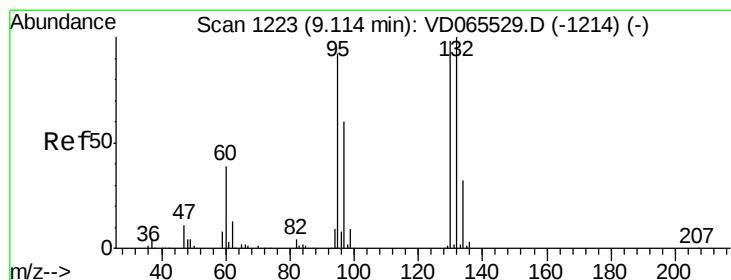
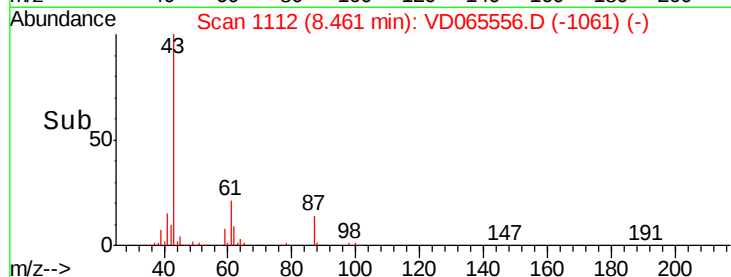
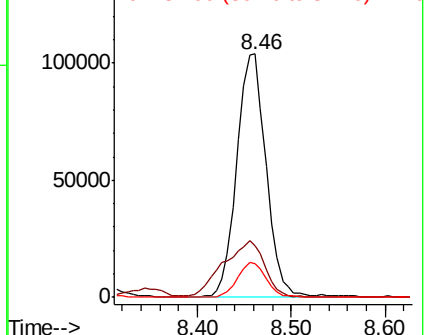
87 13.9 11.0 16.4



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: 46.791 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065556.D

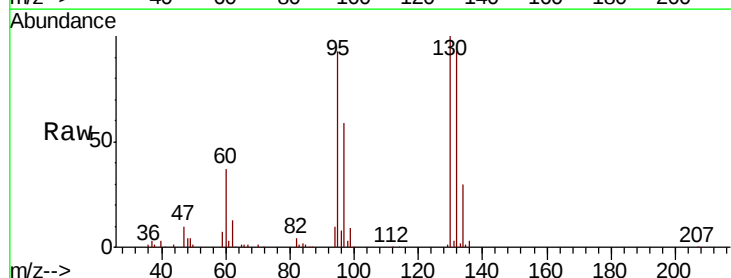
Acq: 27 Mar 2020 20:58

Tgt Ion:130 Resp: 251750

Ion Ratio Lower Upper

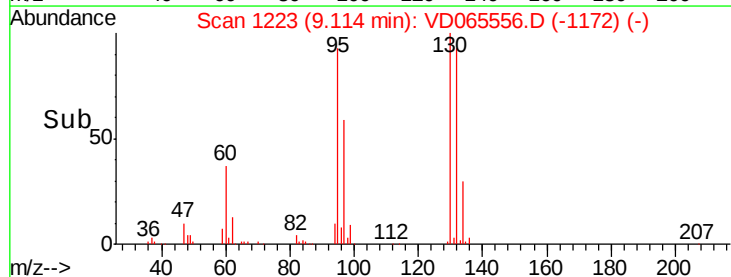
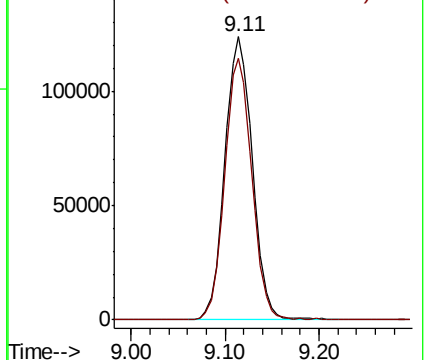
130 100

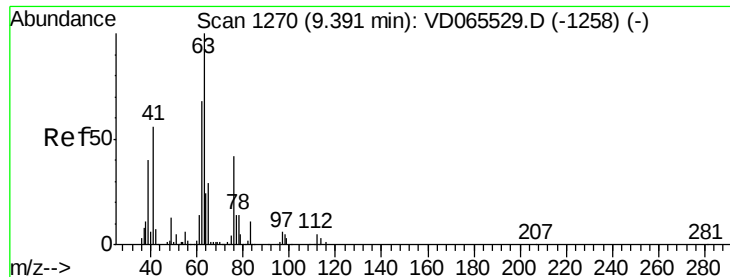
95 92.6 0.0 187.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

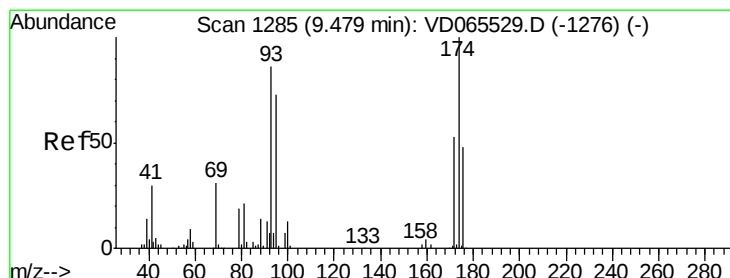
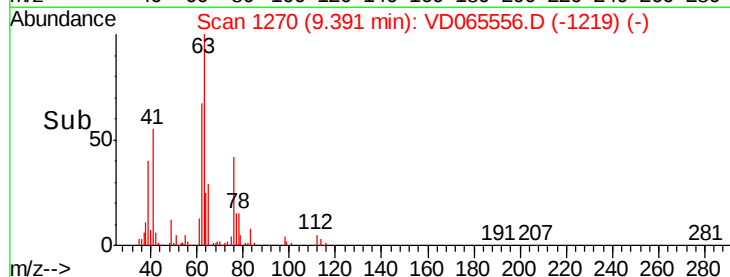
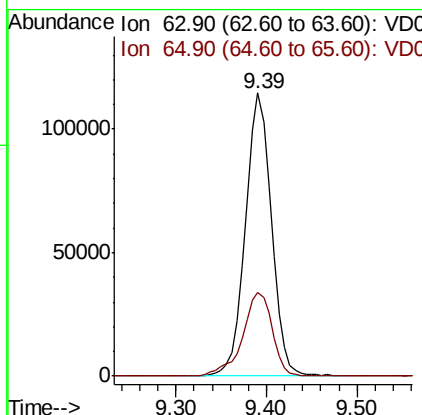
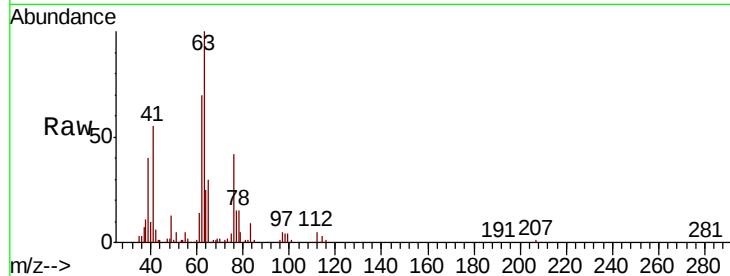




#45
 1,2-Dichloropropane
 Concen: 50.895 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065556.D
 Acq: 27 Mar 2020 20:58

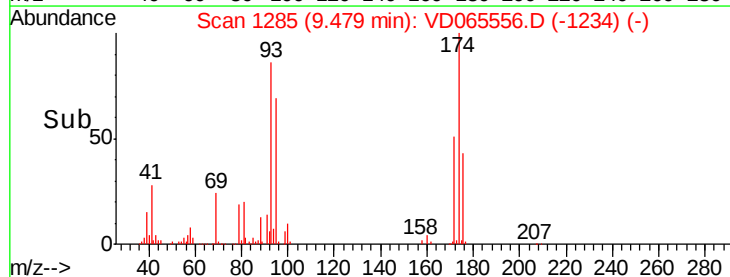
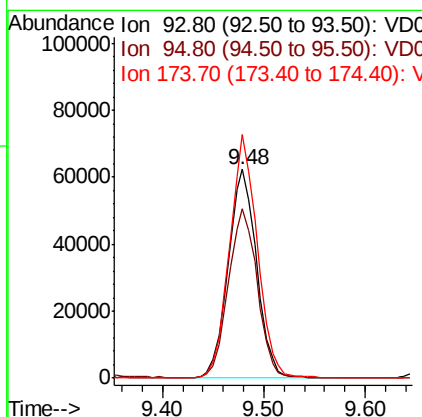
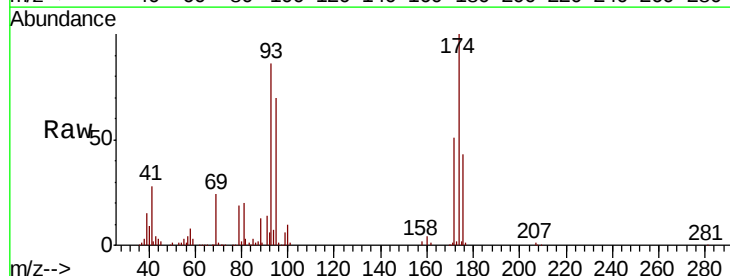
Instrument :
 MSVOA_D
 ClientSampled :

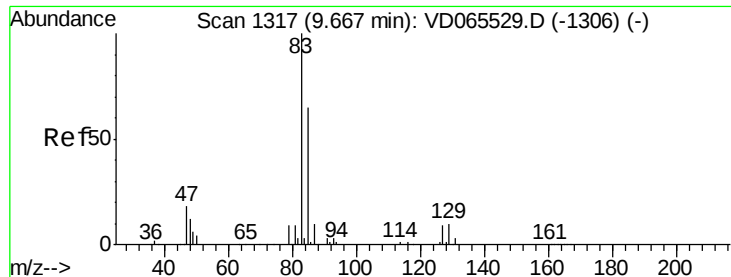
Tot Ion: 63 Resp: 229249
 Ion Ratio Lower Upper
 63 100
 65 29.6 23.5 35.3



#46
 Dibromomethane
 Concen: 51.355 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065556.D
 Acq: 27 Mar 2020 20:58

Tgt Ion: 93 Resp: 121382
 Ion Ratio Lower Upper
 93 100
 95 82.5 67.3 100.9
 174 114.0 92.5 138.7





#47

Bromodichloromethane

Concen: 50.258 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065556.D

Acq: 27 Mar 2020 20:58

Instrument :

MSVOA_D

ClientSampleId :

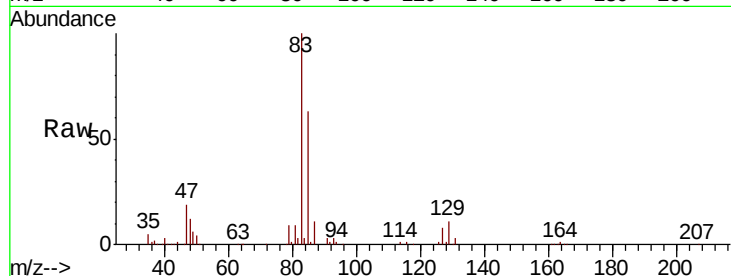
Tot Ion: 83 Resp: 314688

Ion Ratio Lower Upper

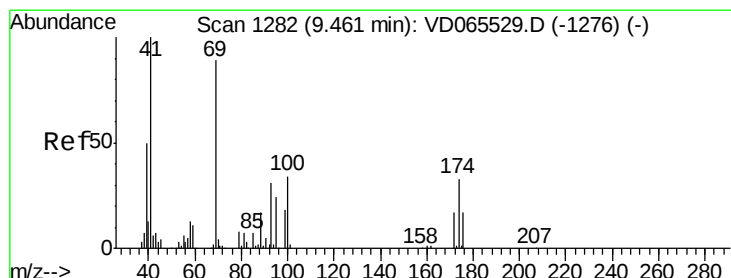
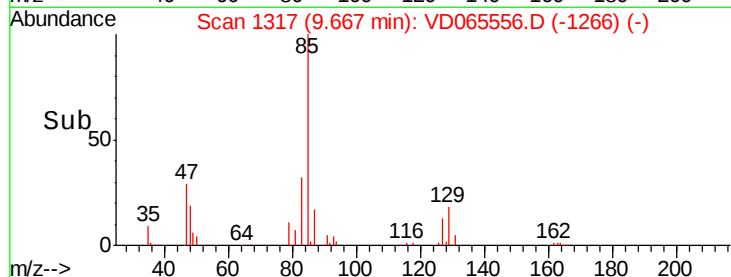
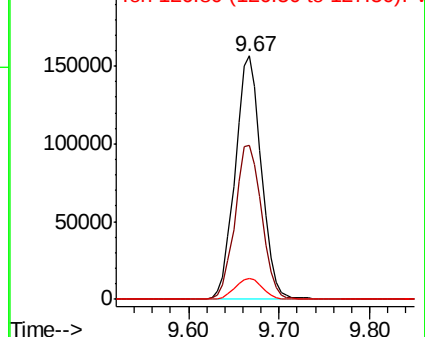
83 100

85 63.2 52.2 78.2

127 8.4 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



#48

Methyl methacrylate

Concen: 50.327 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD065556.D

Acq: 27 Mar 2020 20:58

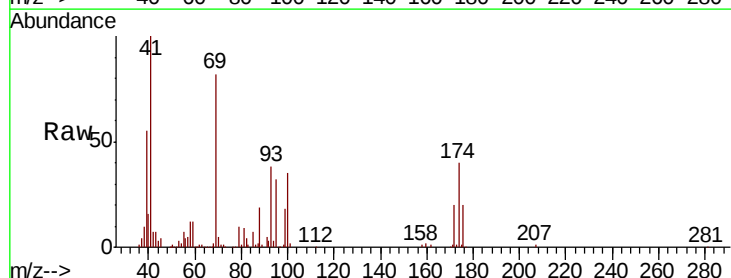
Tgt Ion: 41 Resp: 108090

Ion Ratio Lower Upper

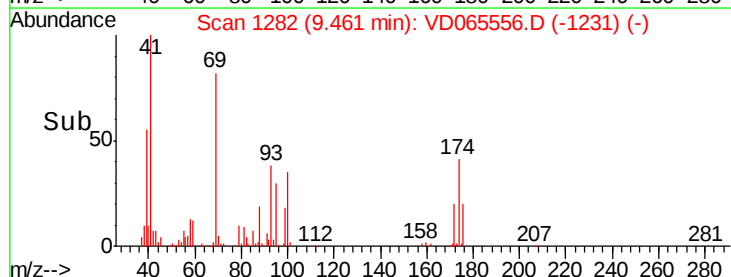
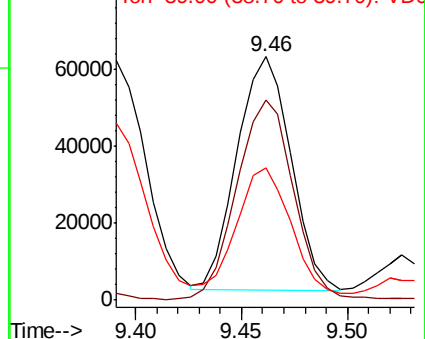
41 100

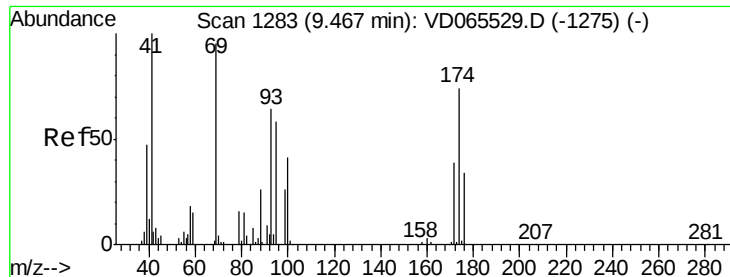
69 89.6 71.8 107.6

39 53.4 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





#49

1,4-Dioxane

Concen: 1105.111 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VD065556.D

Acq: 27 Mar 2020 20:58

Instrument :
MSVOA_D
ClientSampleId :

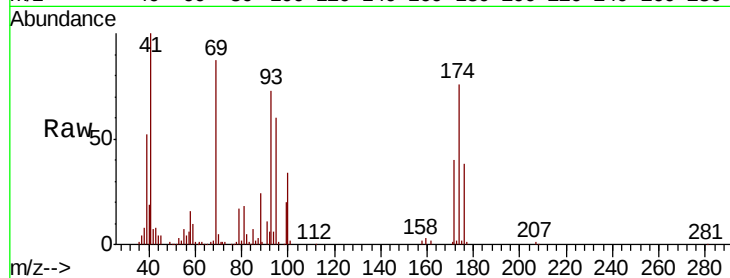
Tot Ion: 88 Resp: 28403

Ion Ratio Lower Upper

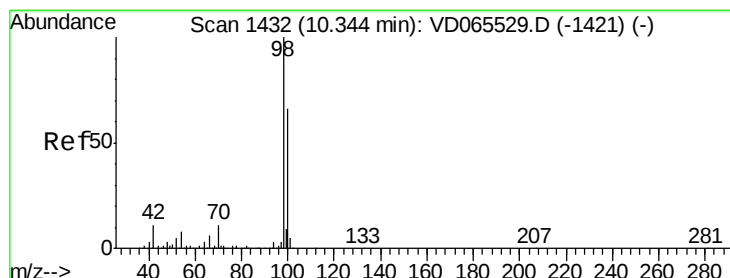
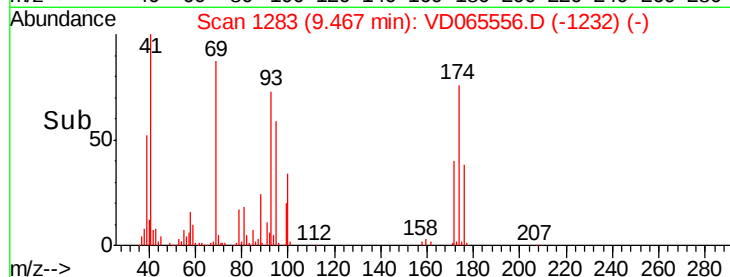
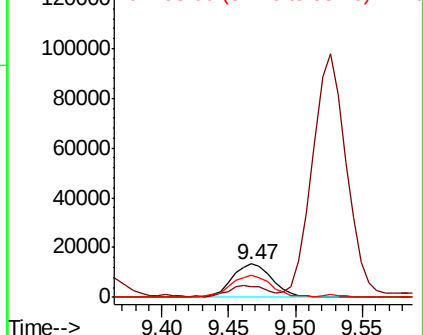
88 100

43 31.7 26.0 39.0

58 66.0 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: 56.209 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065556.D

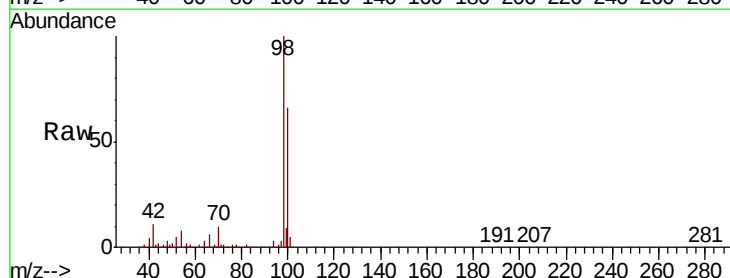
Acq: 27 Mar 2020 20:58

Tgt Ion: 98 Resp: 926417

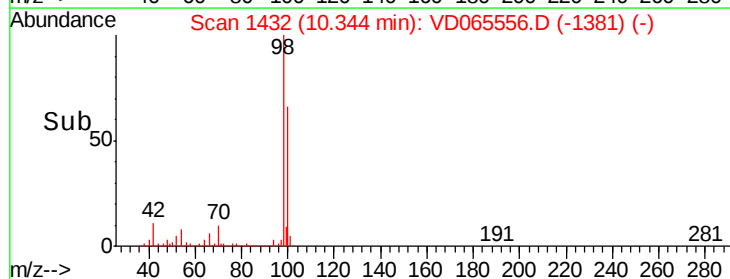
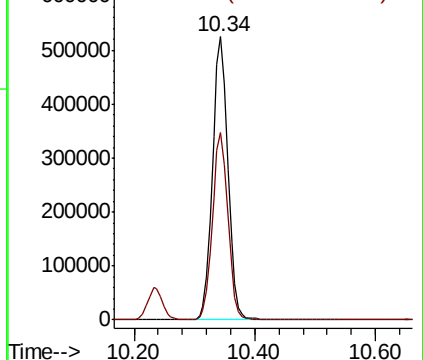
Ion Ratio Lower Upper

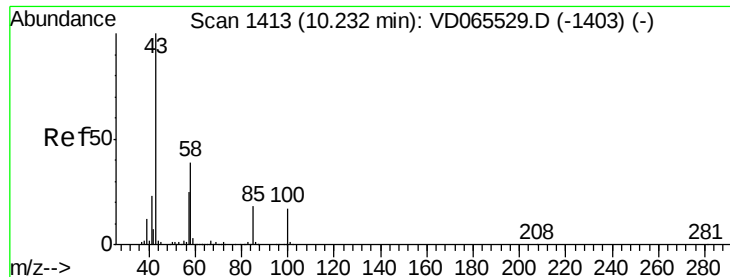
98 100

100 66.2 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC

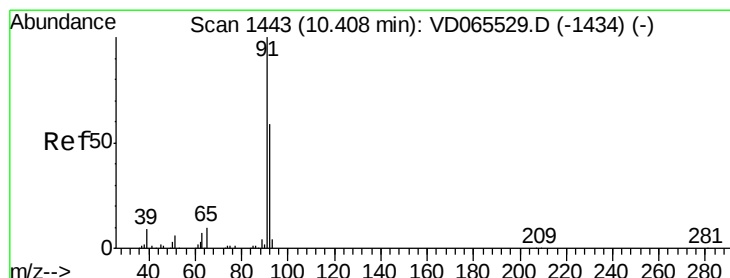
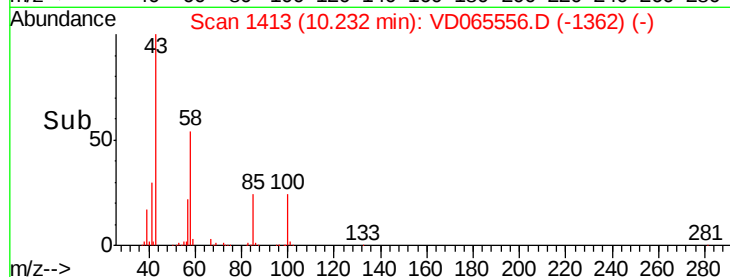
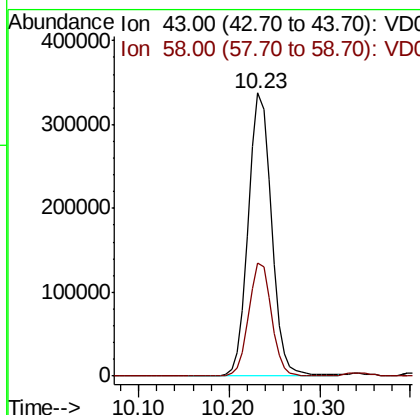
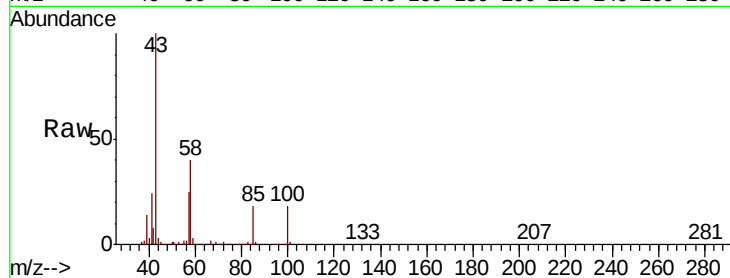




#51
4-Methyl-2-Pentanone
Concen: 264.441 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD065556.D
Acq: 27 Mar 2020 20:58

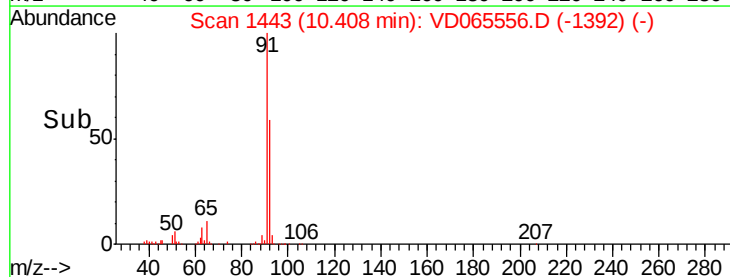
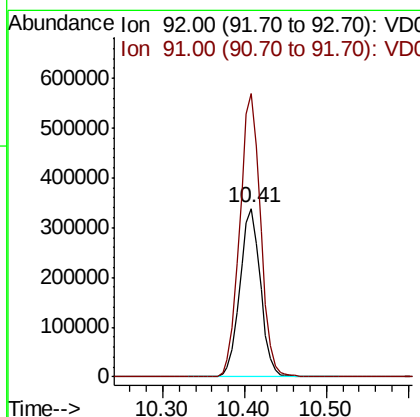
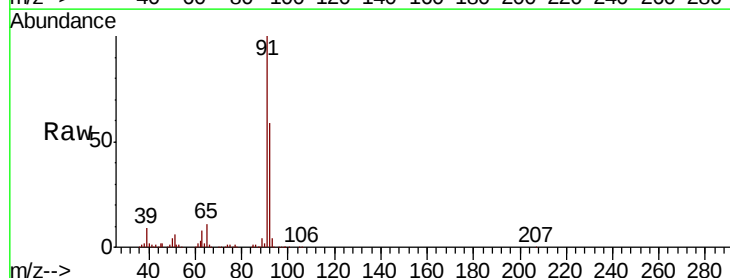
Instrument :
MSVOA_D
ClientSampleId :

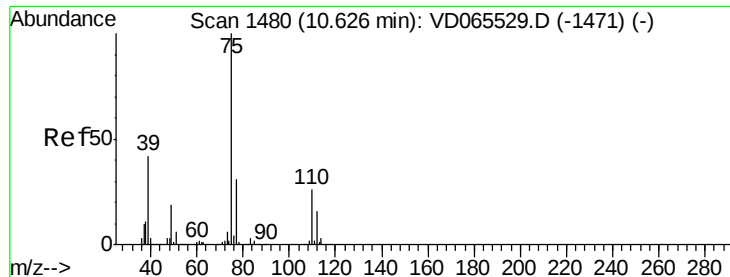
Tot Ion: 43 Resp: 602794
Ion Ratio Lower Upper
43 100
58 39.3 31.4 47.2



#52
Toluene
Concen: 50.639 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD065556.D
Acq: 27 Mar 2020 20:58

Tgt Ion: 92 Resp: 594662
Ion Ratio Lower Upper
92 100
91 170.3 137.3 205.9





#53

t-1,3-Dichloropropene

Concen: 51.185 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065556.D

Acq: 27 Mar 2020 20:58

Instrument :

MSVOA_D

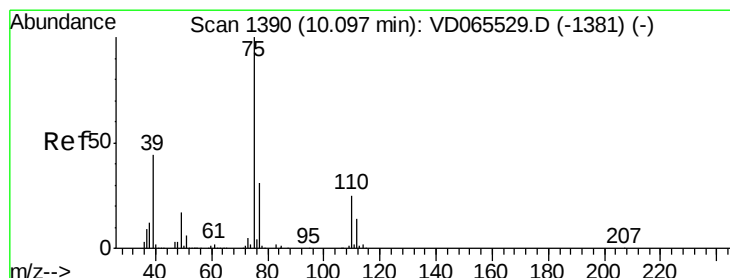
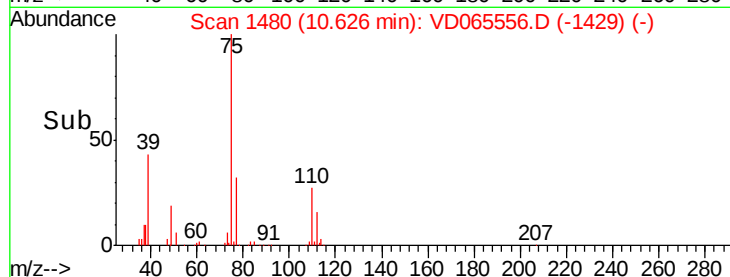
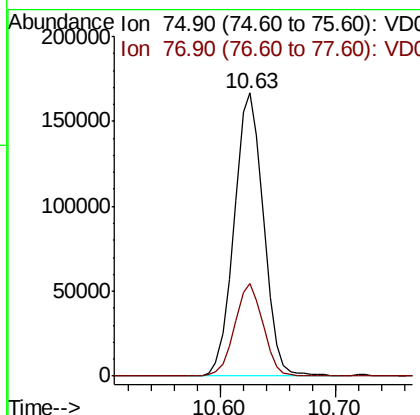
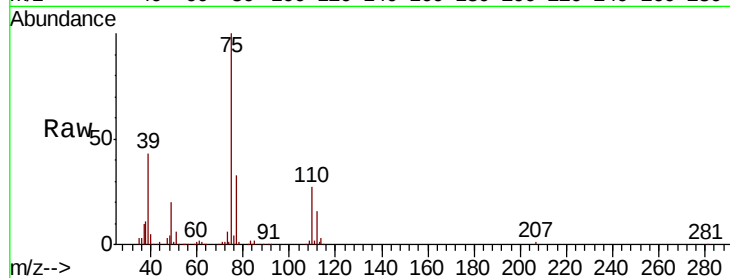
ClientSampleId :

Tot Ion: 75 Resp: 293126

Ion Ratio Lower Upper

75 100

77 32.6 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 50.433 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065556.D

Acq: 27 Mar 2020 20:58

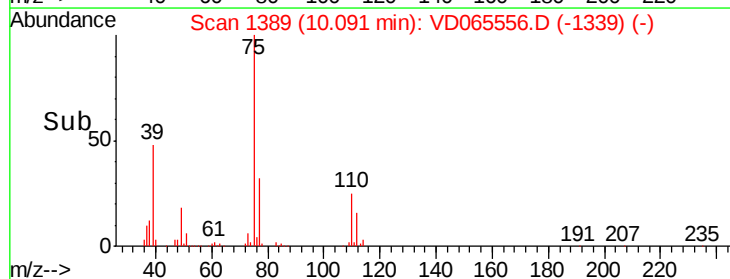
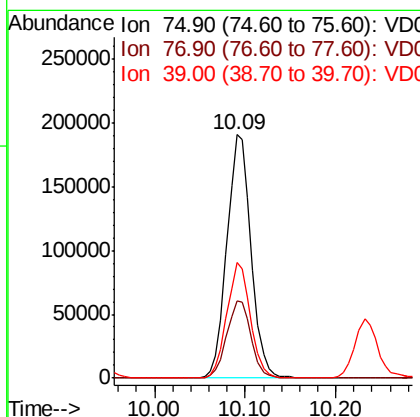
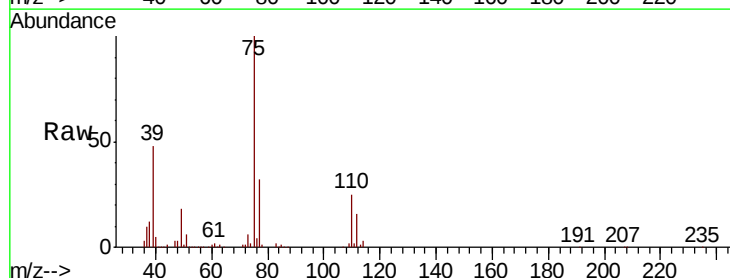
Tgt Ion: 75 Resp: 353364

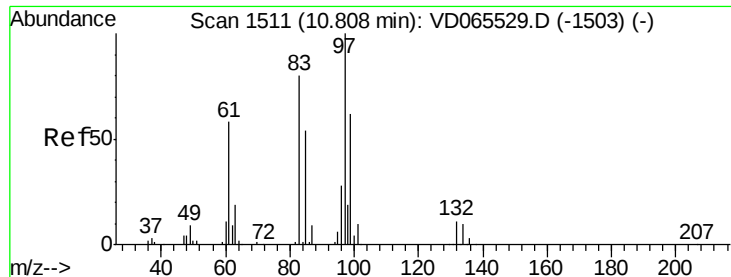
Ion Ratio Lower Upper

75 100

77 31.7 24.6 36.8

39 47.5 35.4 53.2

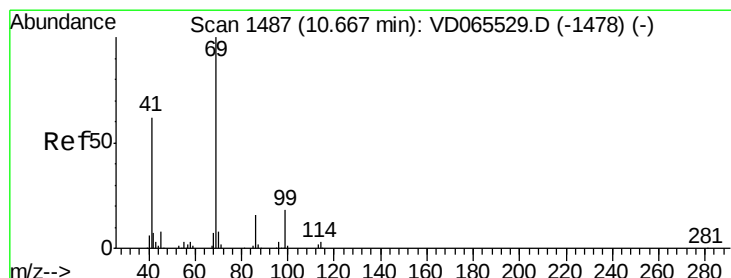
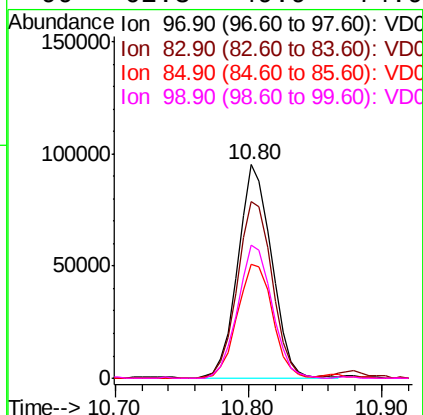
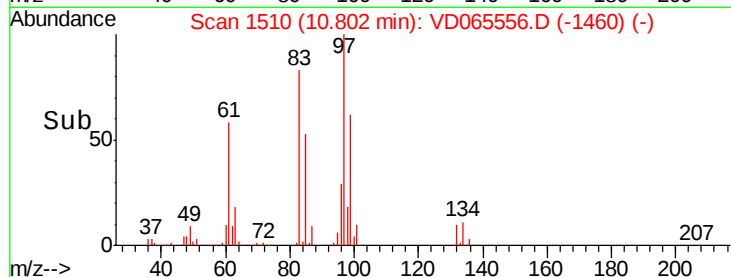
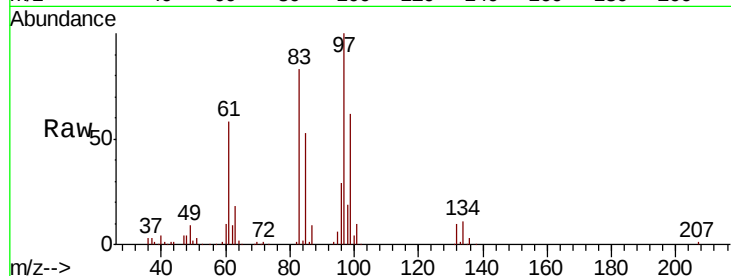




#55
 1,1,2-Trichloroethane
 Concen: 49.497 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065556.D
 Acq: 27 Mar 2020 20:58

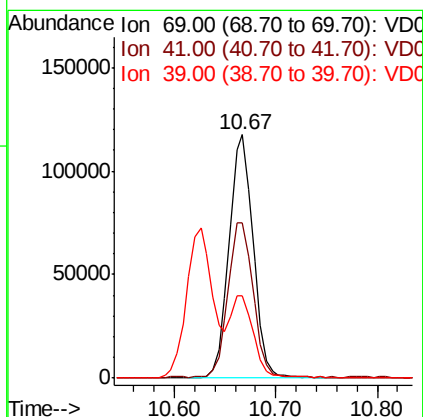
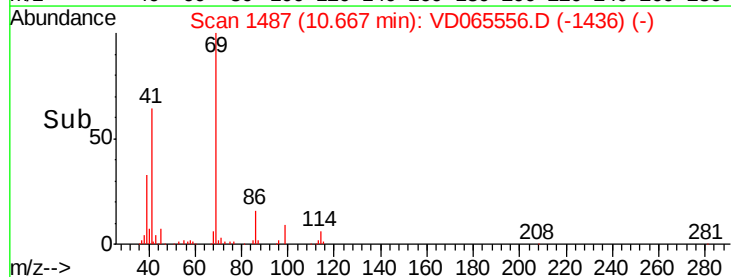
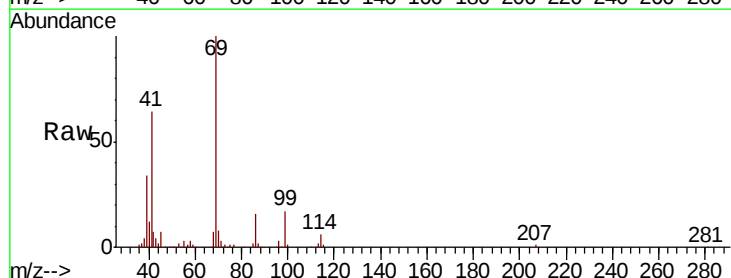
Instrument :
 MSVOA_D
 ClientSampleID :

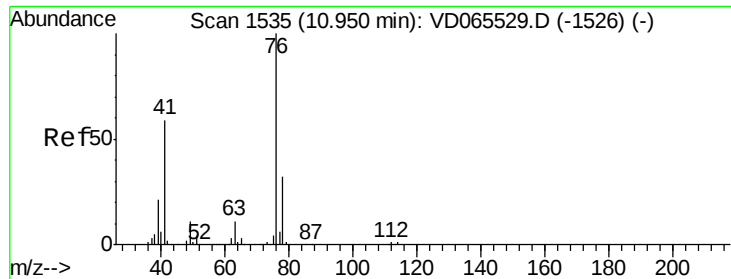
Tot Ion:	97	Resp:	166892
Ion	Ratio	Lower	Upper
97	100		
83	83.1	63.8	95.6
85	53.3	42.9	64.3
99	62.3	49.9	74.9



#56
 Ethyl methacrylate
 Concen: 47.408 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065556.D
 Acq: 27 Mar 2020 20:58

Tgt Ion:	69	Resp:	194455
Ion	Ratio	Lower	Upper
69	100		
41	66.4	51.3	76.9
39	32.1	25.3	37.9

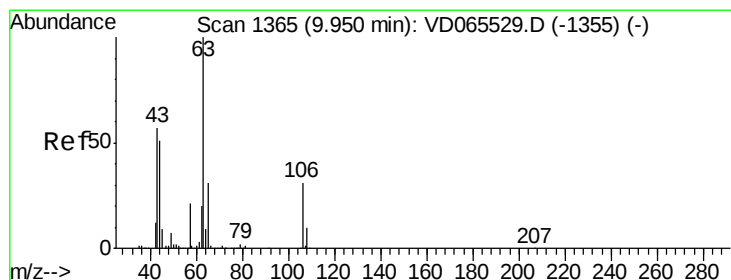
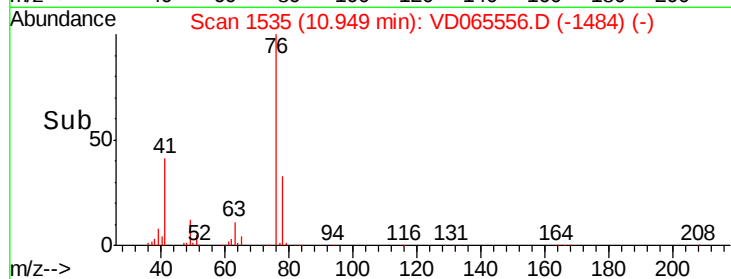
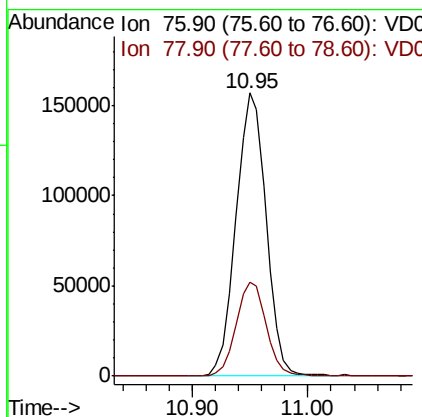
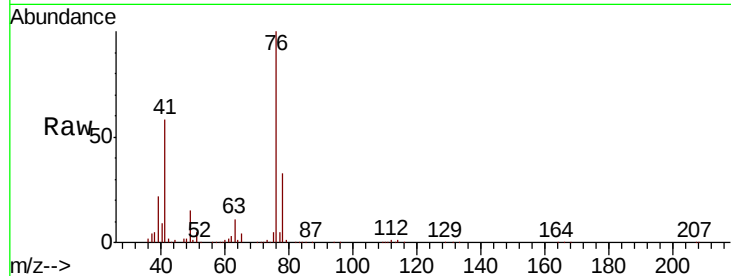




#57
 1,3-Dichloropropane
 Concen: 49.943 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065556.D
 Acq: 27 Mar 2020 20:58

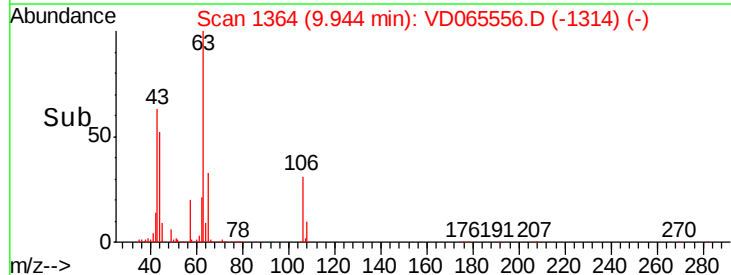
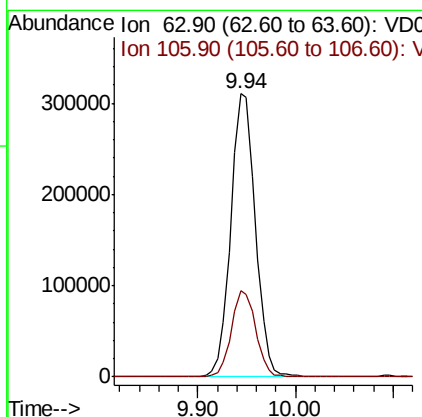
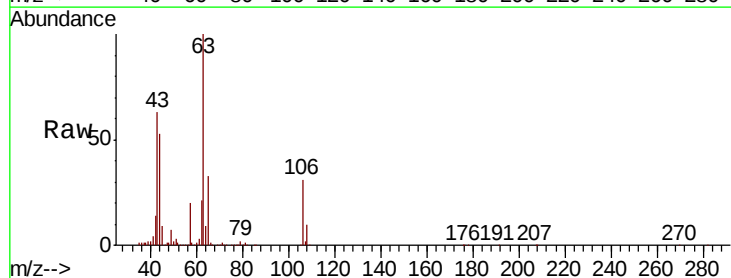
Instrument :
 MSVOA_D
 ClientSampleId :

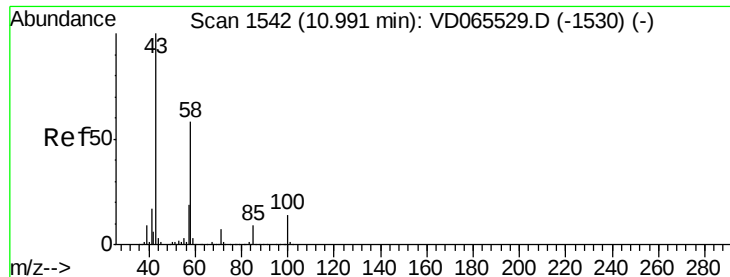
Tot Ion: 76 Resp: 283370
 Ion Ratio Lower Upper
 76 100
 78 33.2 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 284.576 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD065556.D
 Acq: 27 Mar 2020 20:58

Tgt Ion: 63 Resp: 544495
 Ion Ratio Lower Upper
 63 100
 106 30.1 24.3 36.5

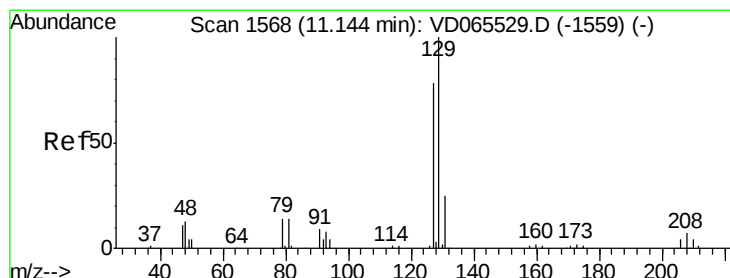
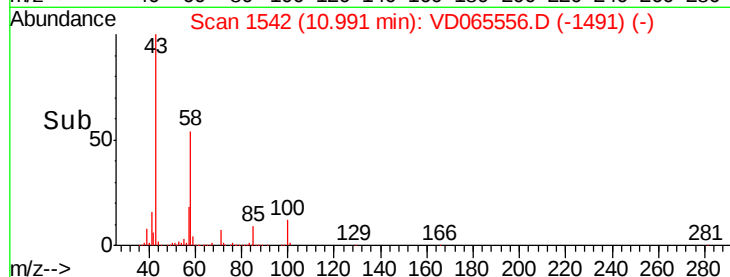
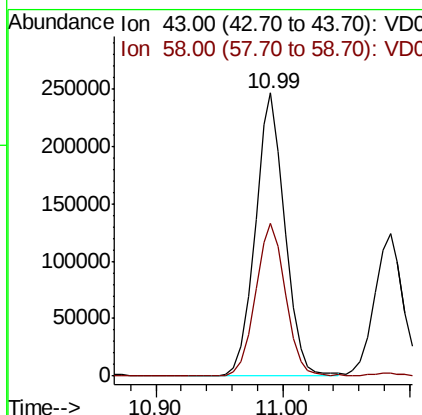
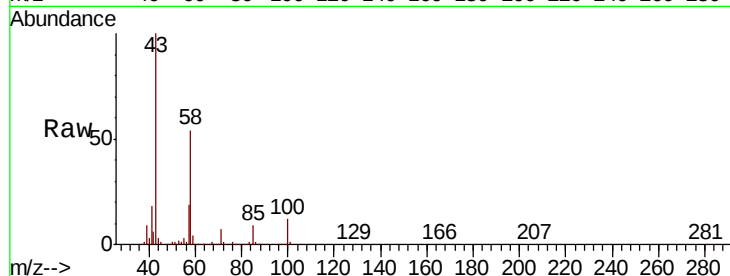




#59
2-Hexanone
Concen: 255.516 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065556.D
Acq: 27 Mar 2020 20:58

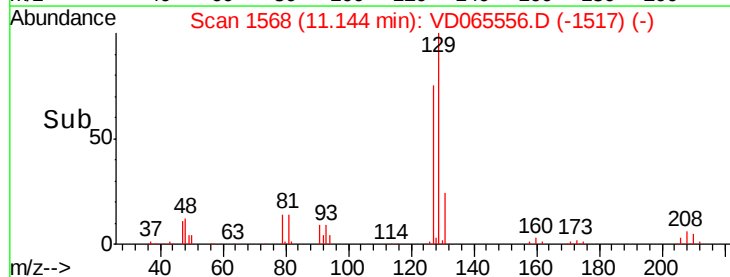
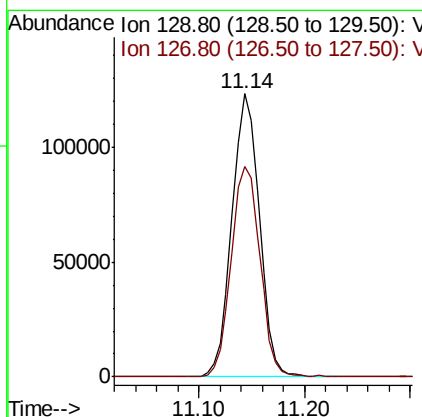
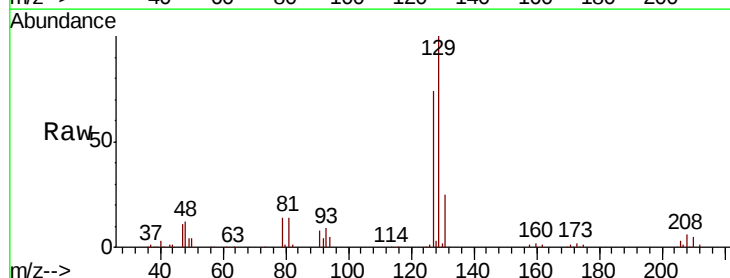
Instrument :
MSVOA_D
ClientSampleId :

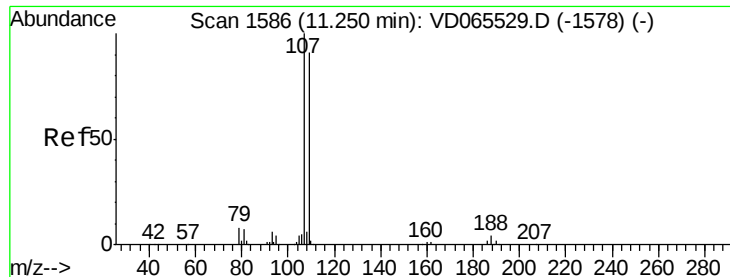
Tot Ion: 43 Resp: 397127
Ion Ratio Lower Upper
43 100
58 55.0 27.9 83.7



#60
Dibromochloromethane
Concen: 49.738 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065556.D
Acq: 27 Mar 2020 20:58

Tgt Ion: 129 Resp: 222245
Ion Ratio Lower Upper
129 100
127 77.6 38.9 116.6





#61

1,2-Dibromoethane

Concen: 49.798 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VD065556.D

Acq: 27 Mar 2020 20:58

Instrument :

MSVOA_D

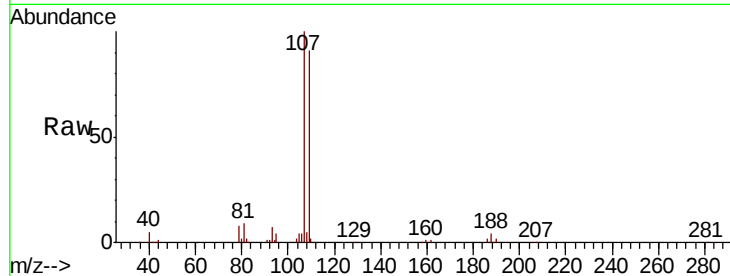
ClientSampled :

Tot Ion:107 Resp: 162507

Ion Ratio Lower Upper

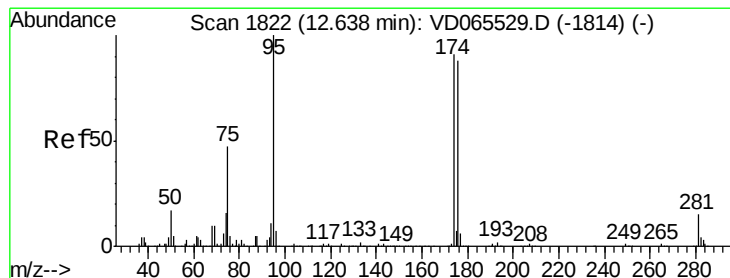
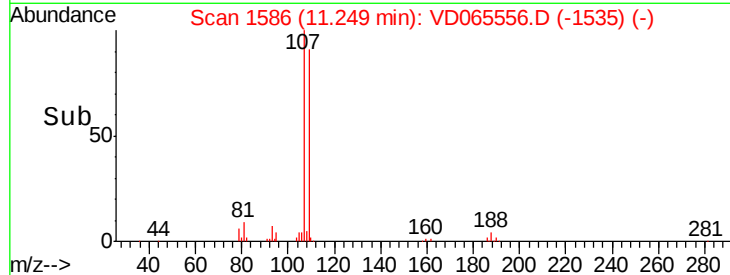
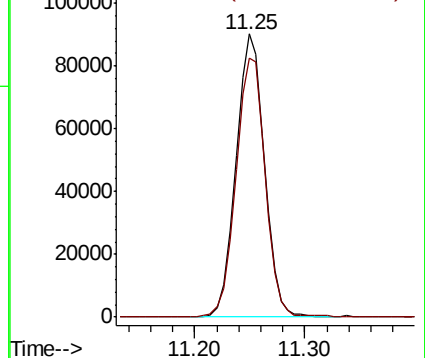
107 100

109 94.5 74.9 112.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 57.395 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065556.D

Acq: 27 Mar 2020 20:58

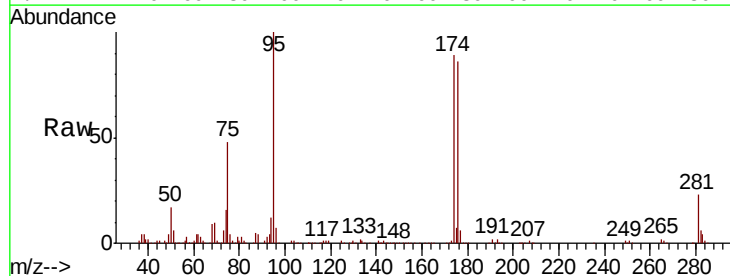
Tgt Ion: 95 Resp: 300240

Ion Ratio Lower Upper

95 100

174 91.3 0.0 183.8

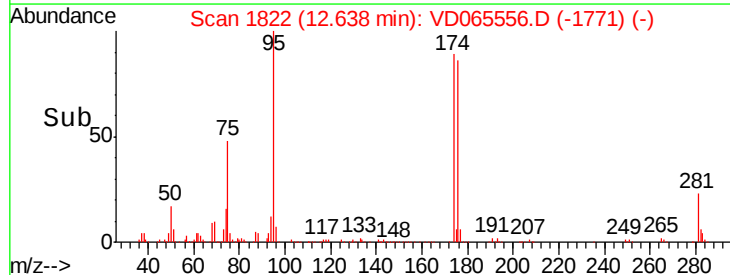
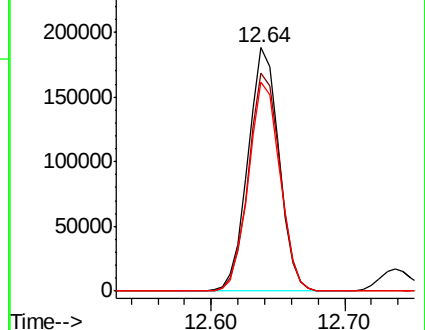
176 87.6 0.0 178.2

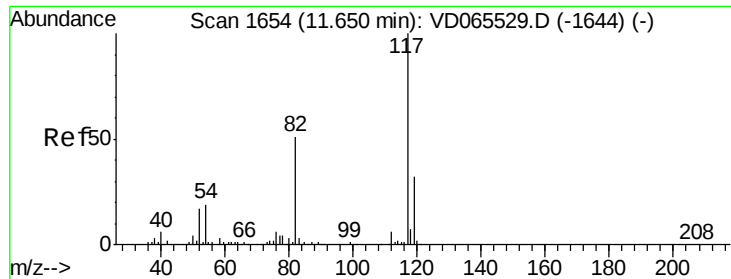


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

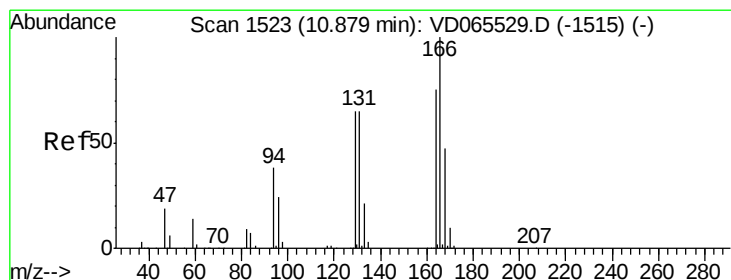
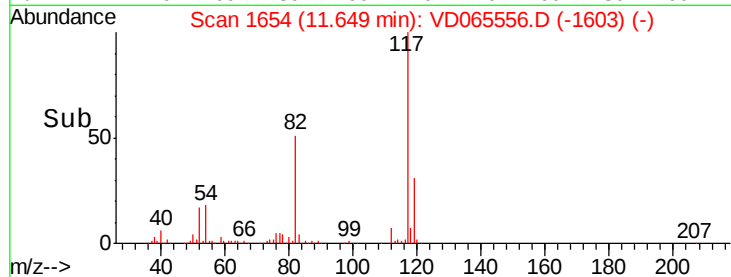
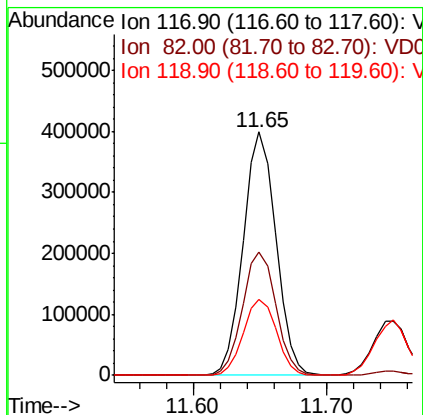
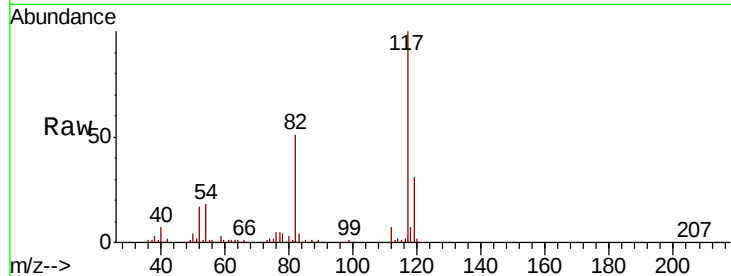




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065556.D
Acq: 27 Mar 2020 20:58

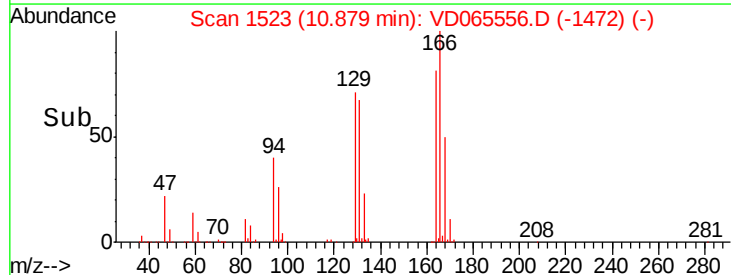
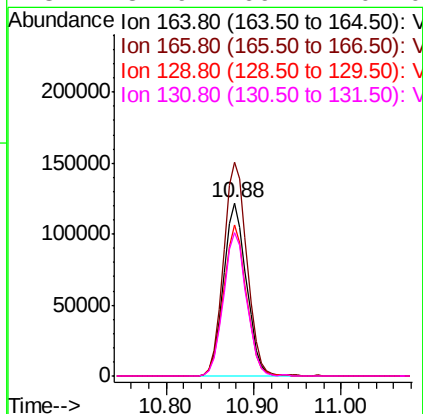
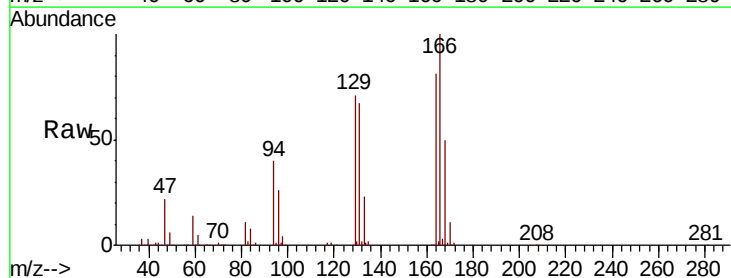
Instrument :
MSVOA_D
ClientSampleId :

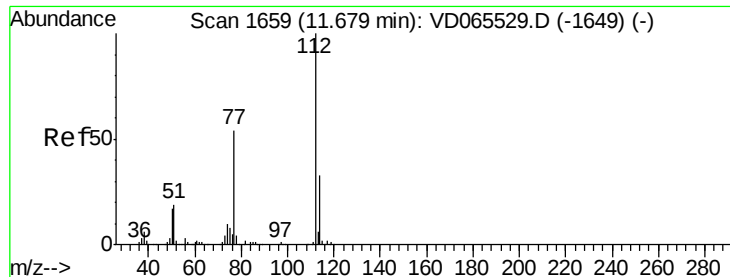
Tot Ion	Ratio	Lower	Upper
117	100		
82	50.6	41.0	61.6
119	31.2	25.5	38.3



#64
Tetrachloroethene
Concen: 44.906 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065556.D
Acq: 27 Mar 2020 20:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.3	107.1	160.7
129	87.0	69.2	103.8
131	82.9	69.4	104.0

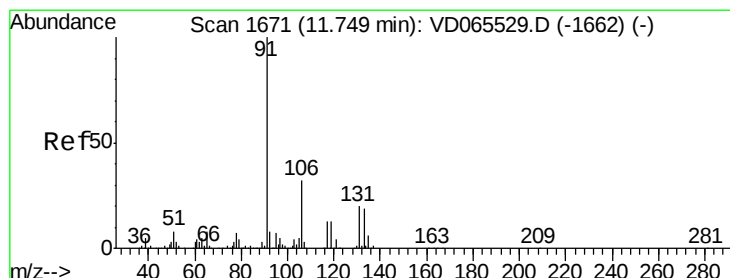
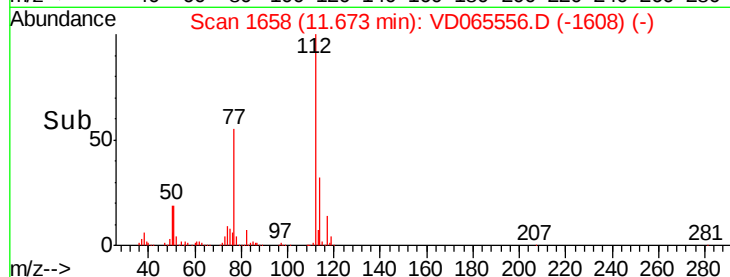
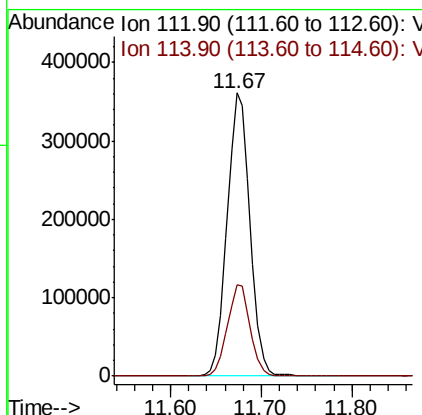
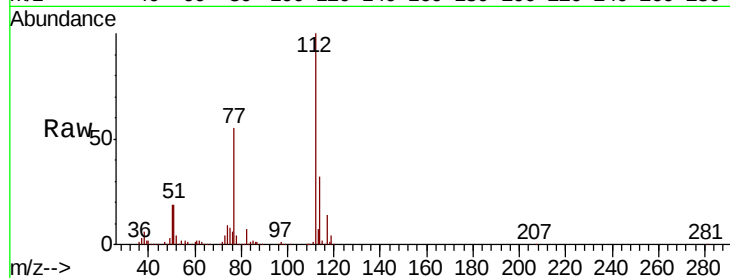




#65
Chlorobenzene
Concen: 47.606 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065556.D
Acq: 27 Mar 2020 20:58

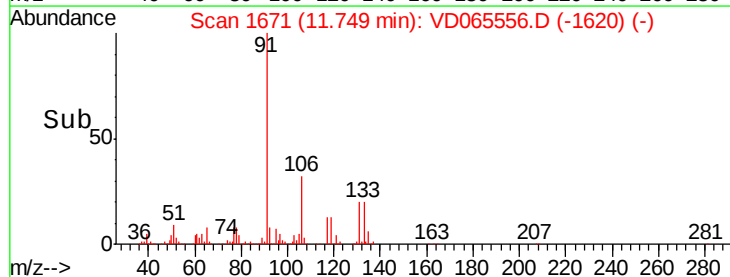
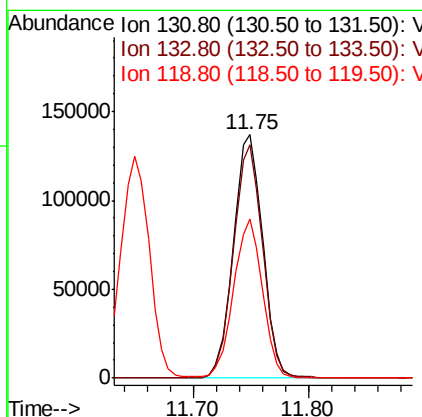
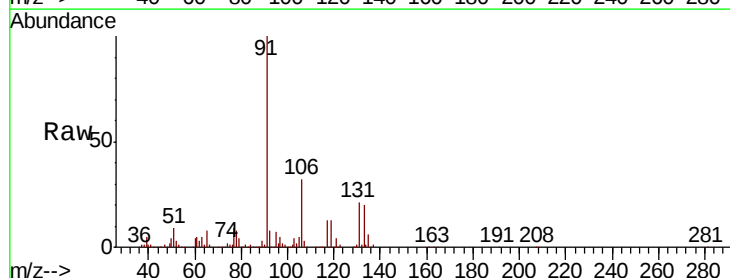
Instrument :
MSVOA_D
ClientSampleId :

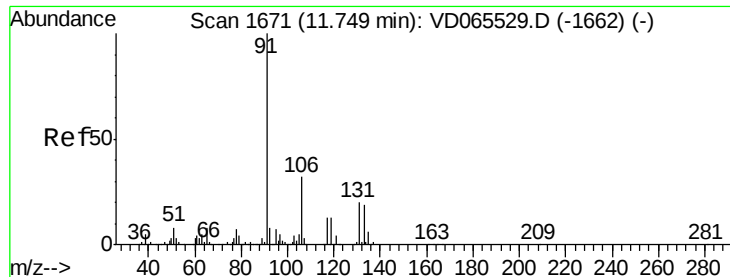
Tot Ion:112 Resp: 630070
Ion Ratio Lower Upper
112 100
114 32.2 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 48.818 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065556.D
Acq: 27 Mar 2020 20:58

Tgt Ion:131 Resp: 240946
Ion Ratio Lower Upper
131 100
133 95.5 48.9 146.7
119 65.0 32.5 97.4

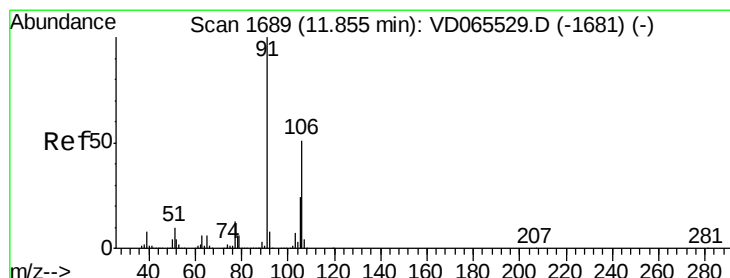
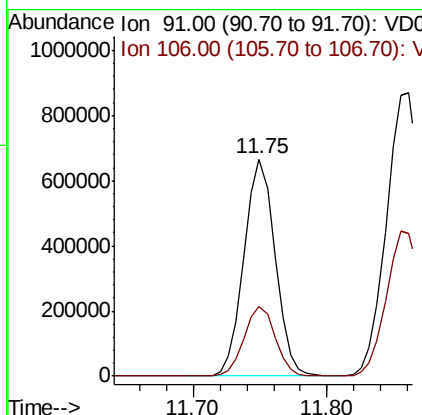
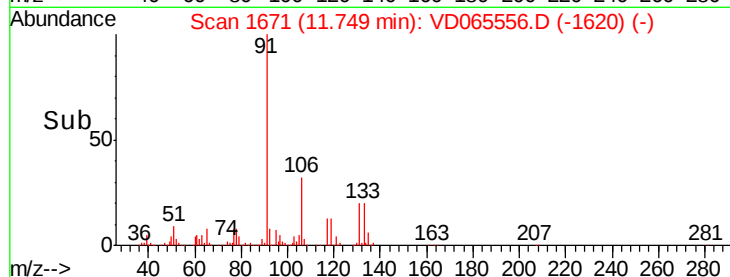
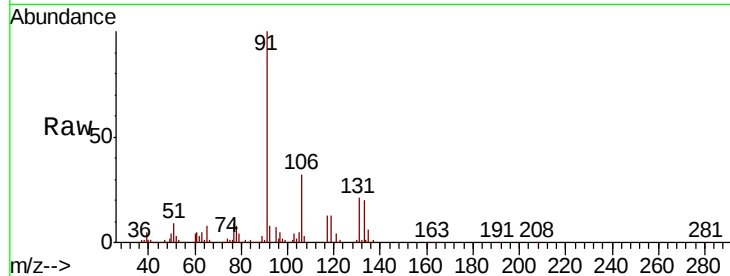




#67
Ethyl Benzene
Concen: 48.322 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065556.D
Acq: 27 Mar 2020 20:58

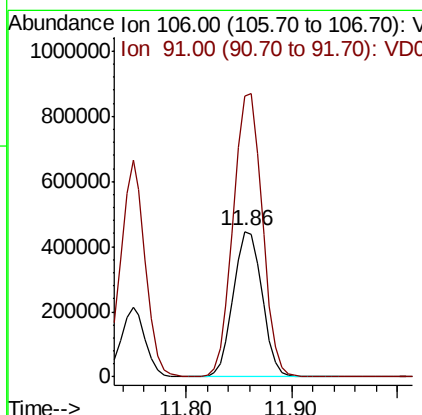
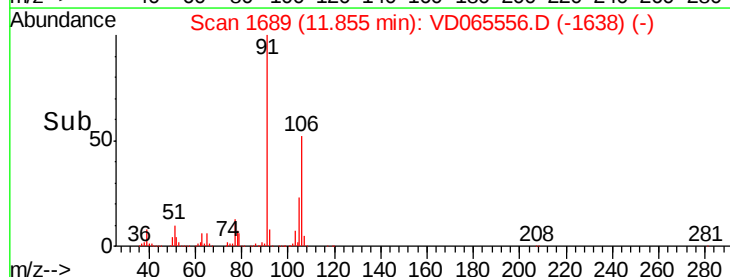
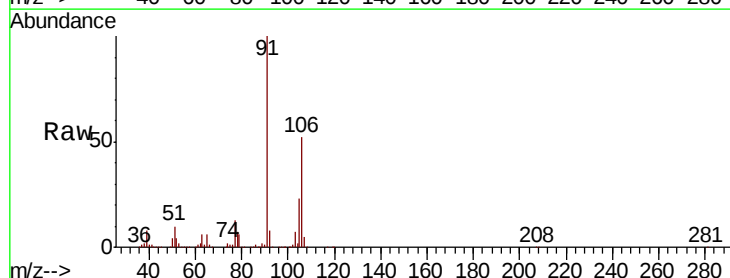
Instrument :
MSVOA_D
ClientSampled :

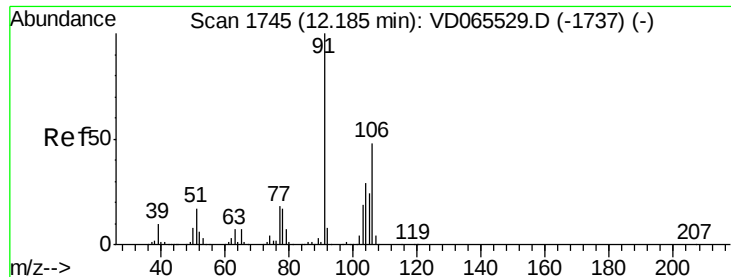
Tot Ion: 91 Resp: 1077182
Ion Ratio Lower Upper
91 100
106 32.2 25.4 38.0



#68
m/p-Xylenes
Concen: 96.575 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD065556.D
Acq: 27 Mar 2020 20:58

Tgt Ion: 106 Resp: 845304
Ion Ratio Lower Upper
106 100
91 196.5 155.4 233.0

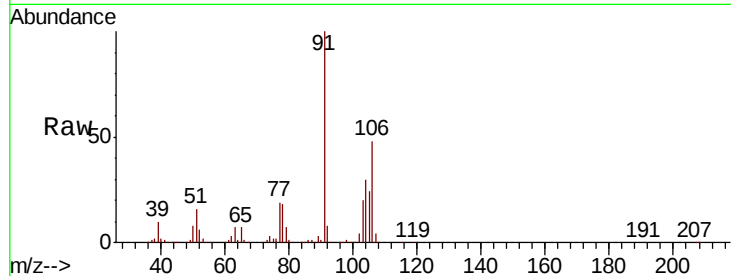




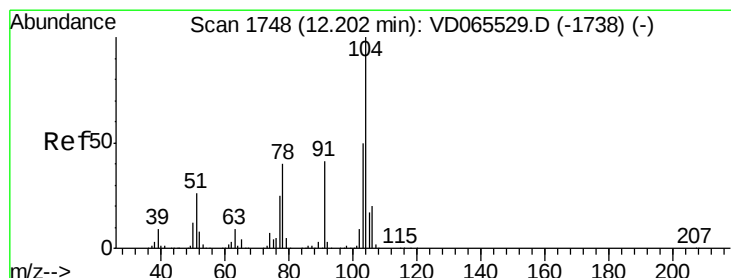
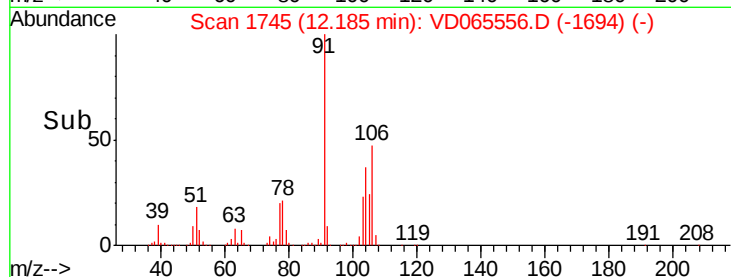
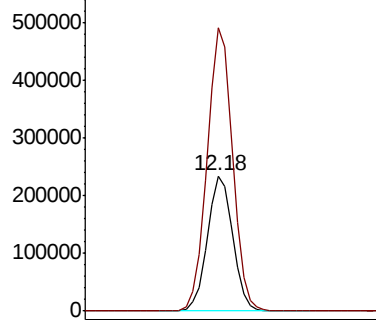
#69
o-Xylene
Concen: 49.536 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065556.D
Acq: 27 Mar 2020 20:58

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 379719
Ion Ratio Lower Upper
106 100
91 209.3 102.8 308.4

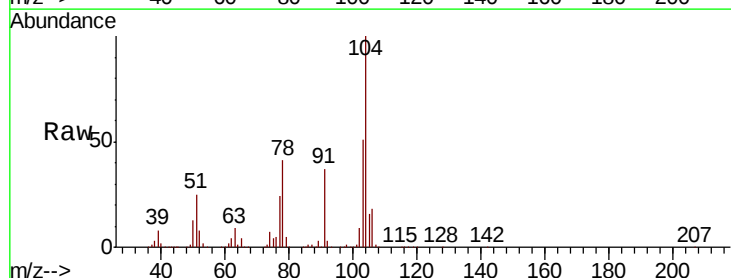


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VDC

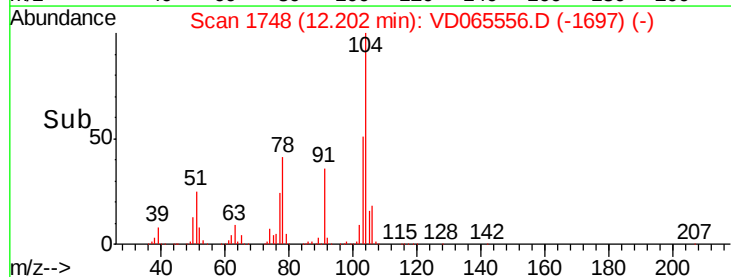
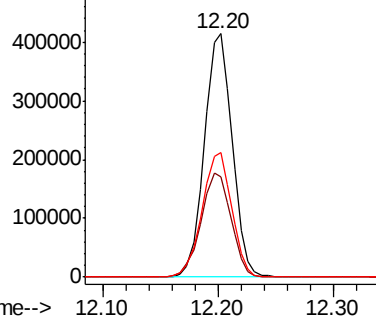


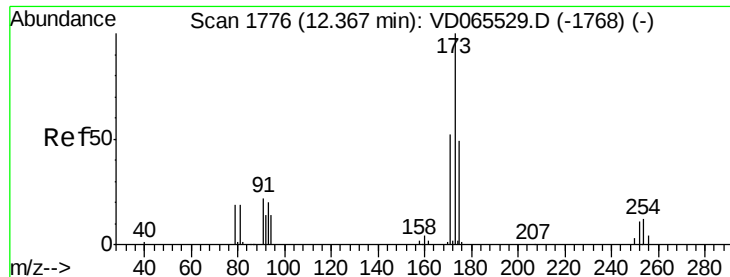
#70
Styrene
Concen: 51.037 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065556.D
Acq: 27 Mar 2020 20:58

Tgt Ion:104 Resp: 690992
Ion Ratio Lower Upper
104 100
78 46.4 36.6 55.0
103 54.6 43.8 65.6



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





#71

Bromoform

Concen: 49.172 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065556.D

Acq: 27 Mar 2020 20:58

Instrument :

MSVOA_D

ClientSampleId :

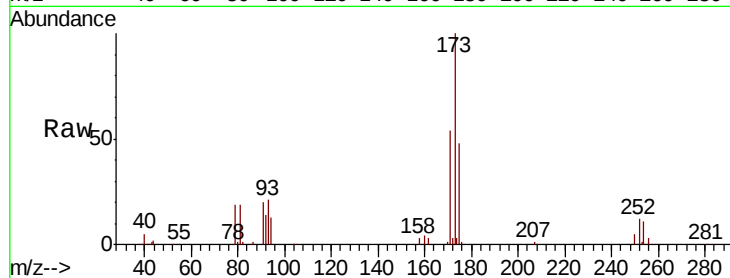
Tot Ion:173 Resp: 133863

Ion Ratio Lower Upper

173 100

175 48.4 24.3 72.8

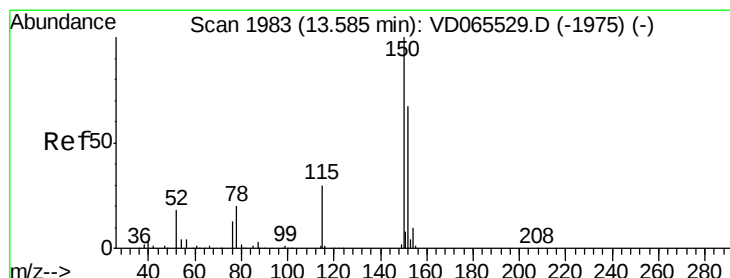
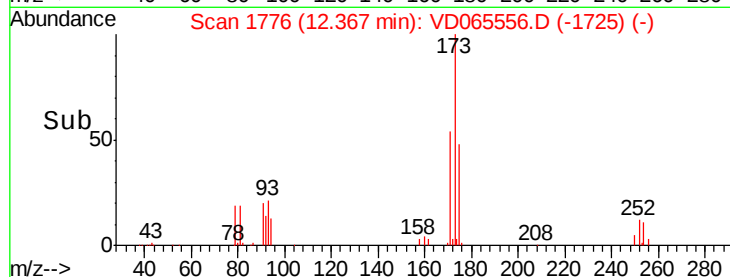
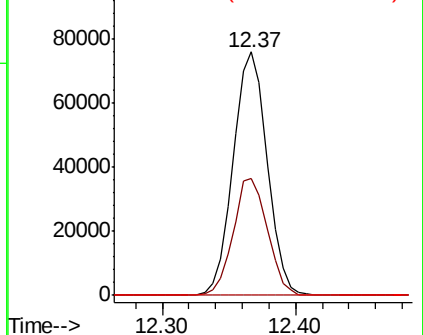
254 0.0 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065556.D

Acq: 27 Mar 2020 20:58

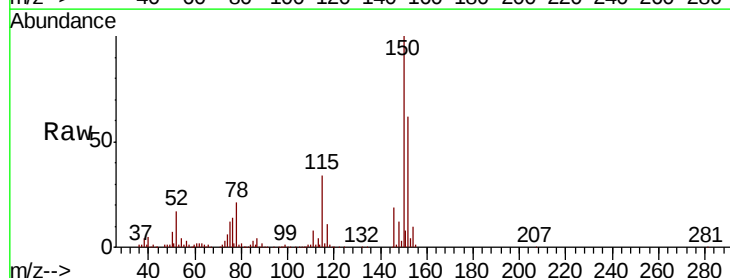
Tgt Ion:152 Resp: 334679

Ion Ratio Lower Upper

152 100

115 54.6 27.2 81.6

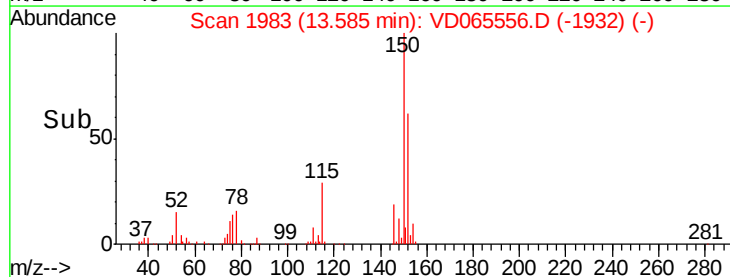
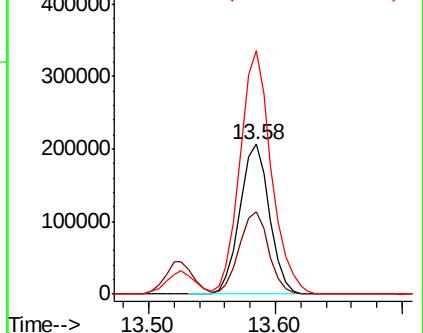
150 172.2 0.0 340.2

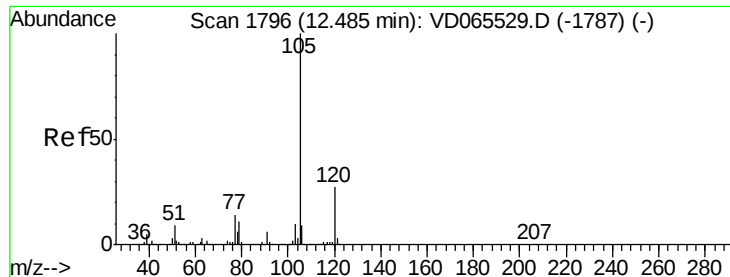


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.230 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065556.D

Acq: 27 Mar 2020 20:58

Instrument :

MSVOA_D

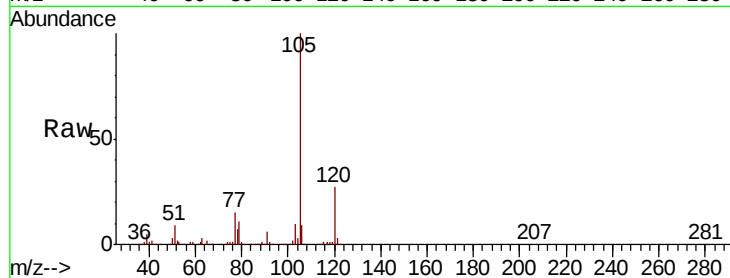
ClientSampleId :

Tot Ion:105 Resp: 1011686

Ion Ratio Lower Upper

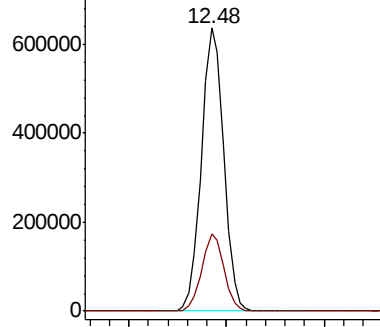
105 100

120 27.0 13.7 41.0

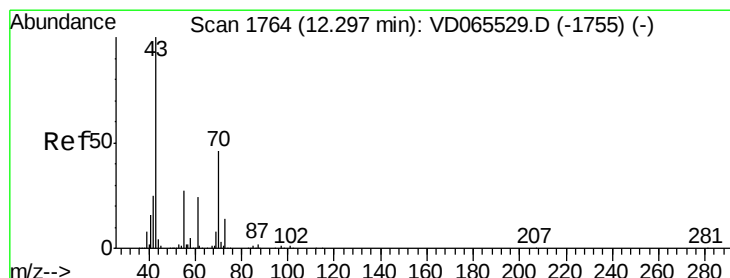
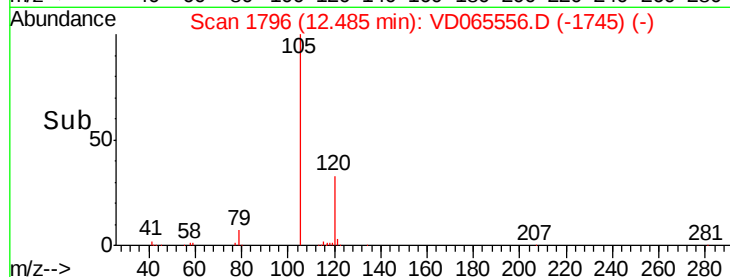


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#74

N-ethyl acetate

Concen: 50.863 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065556.D

Acq: 27 Mar 2020 20:58

Tgt Ion: 43 Resp: 206283

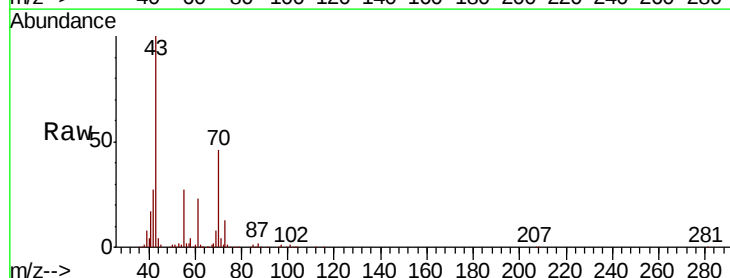
Ion Ratio Lower Upper

43 100

70 45.1 36.2 54.2

55 28.4 22.2 33.4

61 24.0 19.5 29.3

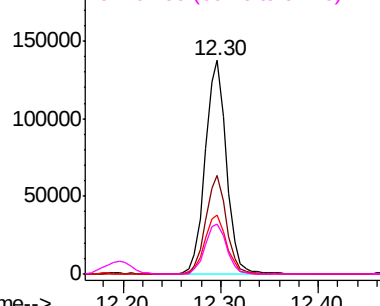


Abundance Ion 43.00 (42.70 to 43.70): V

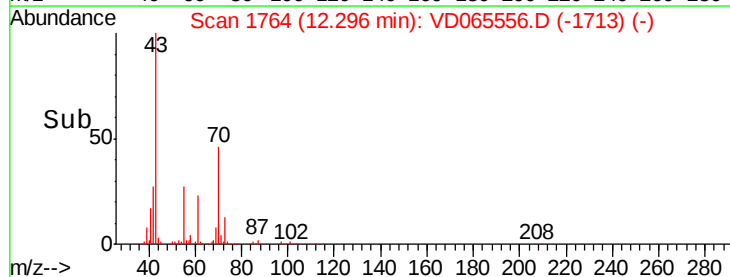
Ion 70.00 (69.70 to 70.70): V

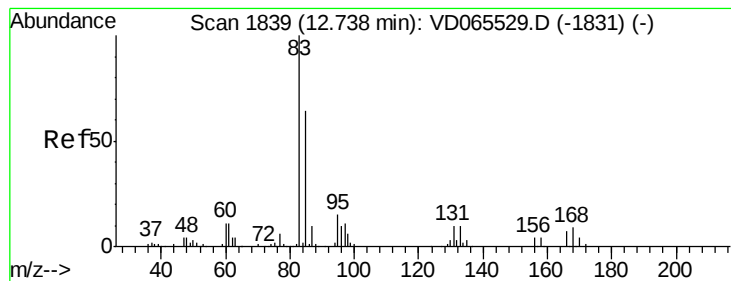
Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 48.907 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065556.D

Acq: 27 Mar 2020 20:58

Instrument :

MSVOA_D

ClientSampleId :

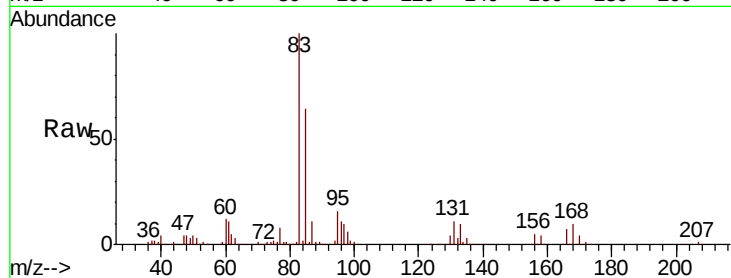
Tot Ion: 83 Resp: 174574

Ion Ratio Lower Upper

83 100

131 11.5 5.6 16.8

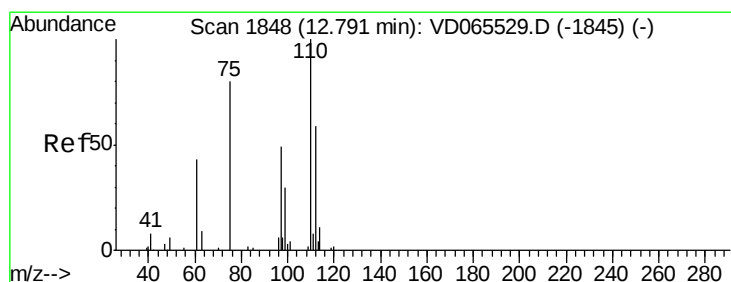
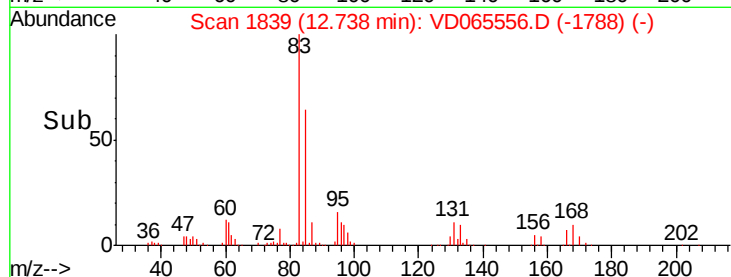
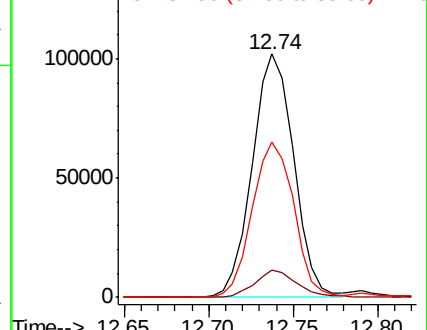
85 64.2 32.6 98.0



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: 86.905 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065556.D

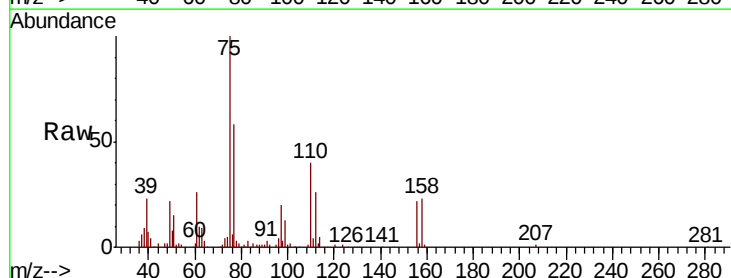
Acq: 27 Mar 2020 20:58

Tgt Ion: 75 Resp: 223609

Ion Ratio Lower Upper

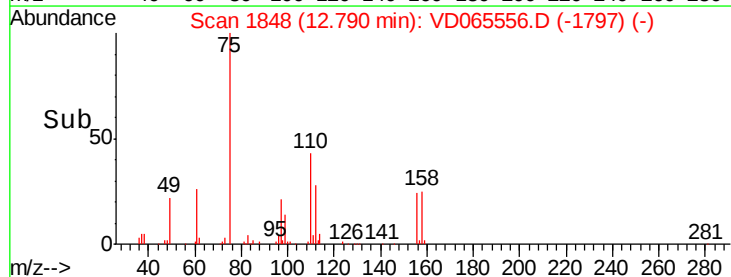
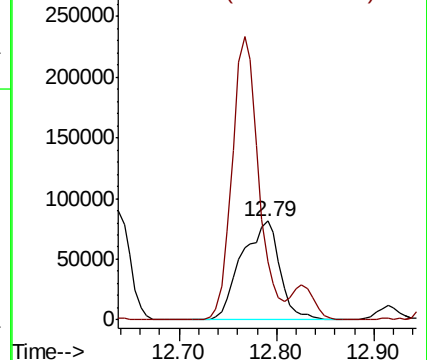
75 100

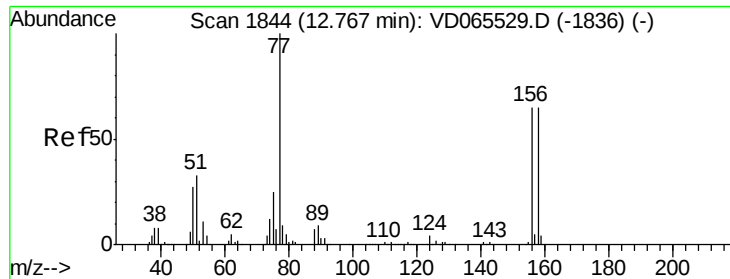
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 50.030 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065556.D

Acq: 27 Mar 2020 20:58

Instrument :

MSVOA_D

ClientSampleId :

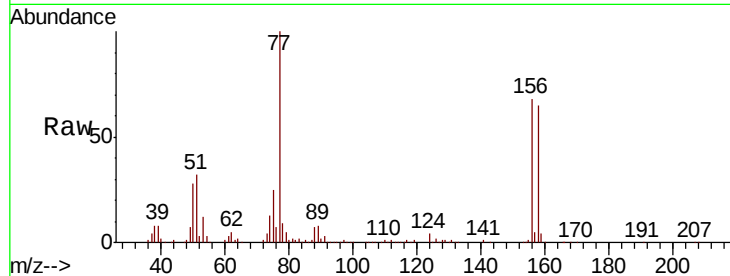
Tot Ion:156 Resp: 268669

Ion Ratio Lower Upper

156 100

77 164.0 81.8 245.3

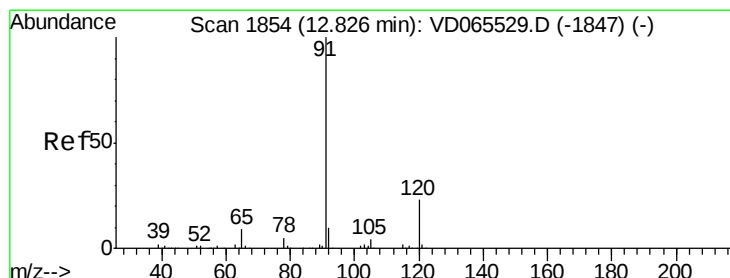
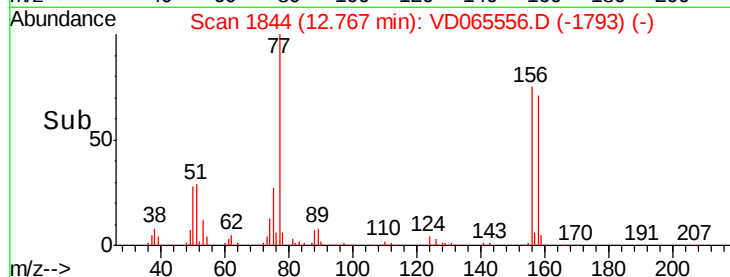
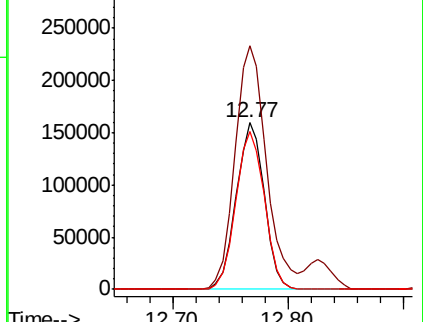
158 96.4 49.1 147.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.022 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065556.D

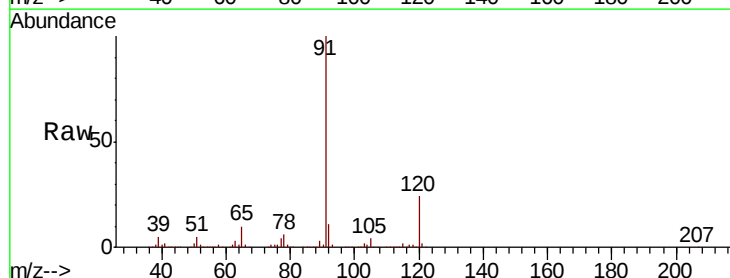
Acq: 27 Mar 2020 20:58

Tgt Ion: 91 Resp: 1200826

Ion Ratio Lower Upper

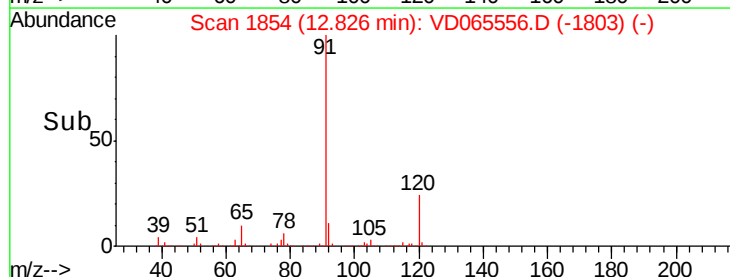
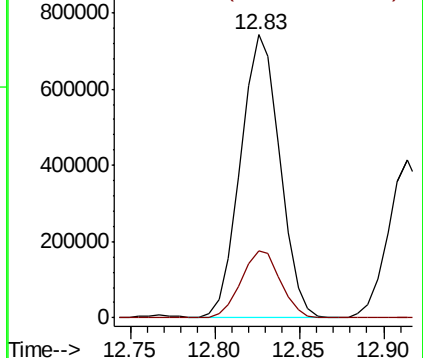
91 100

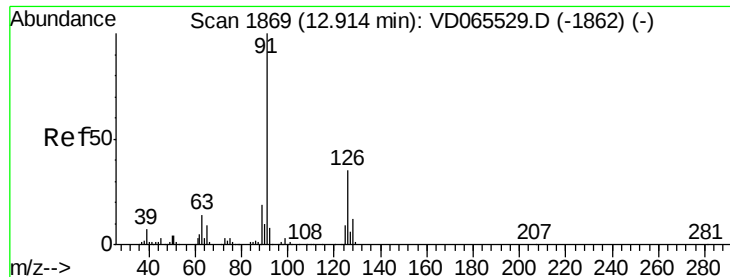
120 23.9 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.589 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065556.D

Acq: 27 Mar 2020 20:58

Instrument :

MSVOA_D

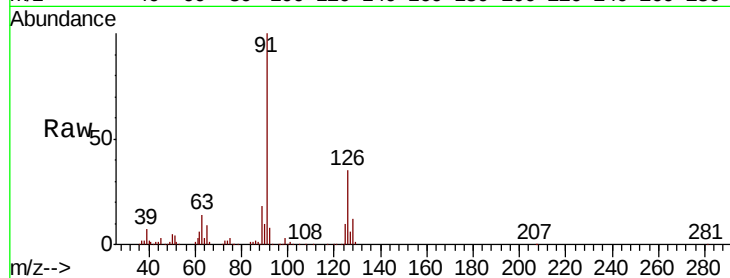
ClientSampleId :

Tot Ion: 91 Resp: 679016

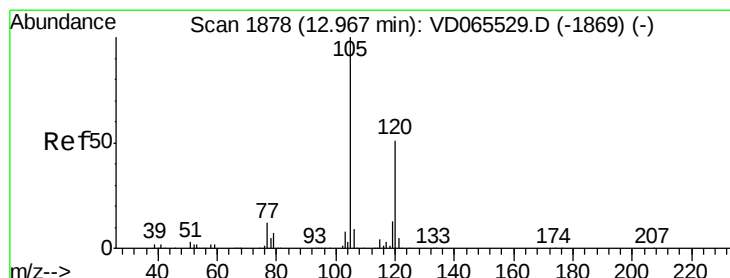
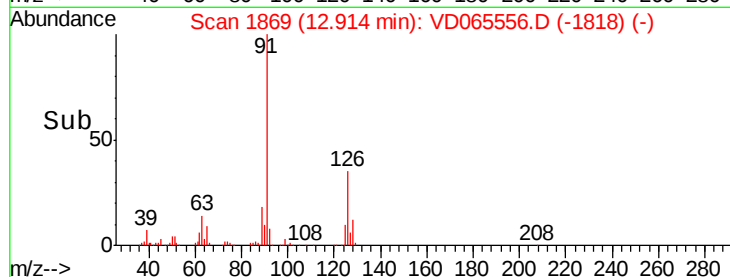
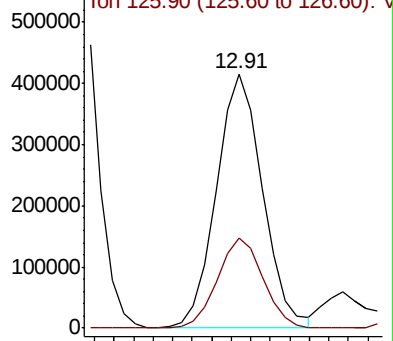
Ion Ratio Lower Upper

91 100

126 35.3 17.8 53.4



Abundance Ion 91.00 (90.70 to 91.70): VD065529.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.134 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065556.D

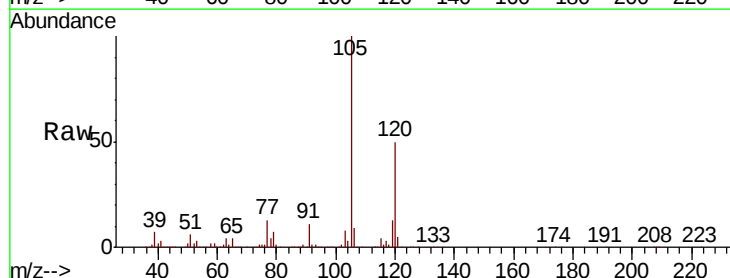
Acq: 27 Mar 2020 20:58

Tgt Ion: 105 Resp: 853946

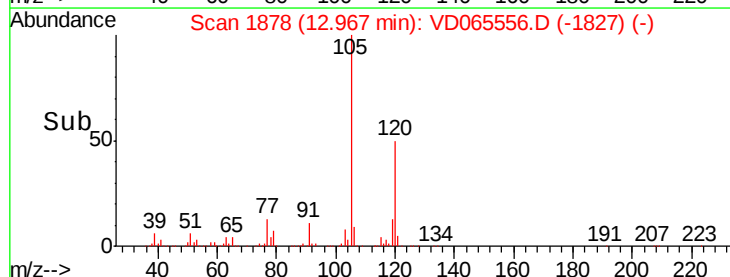
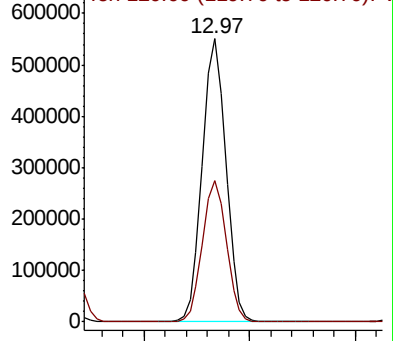
Ion Ratio Lower Upper

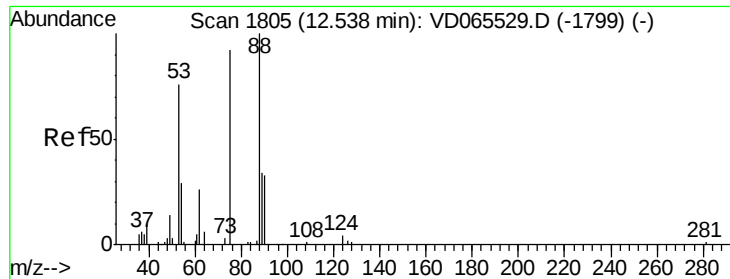
105 100

120 50.5 25.6 76.6



Abundance Ion 105.00 (104.70 to 105.70): VD065529.D (-1869) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 47.151 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065556.D

Acq: 27 Mar 2020 20:58

Instrument :

MSVOA_D

ClientSampleId :

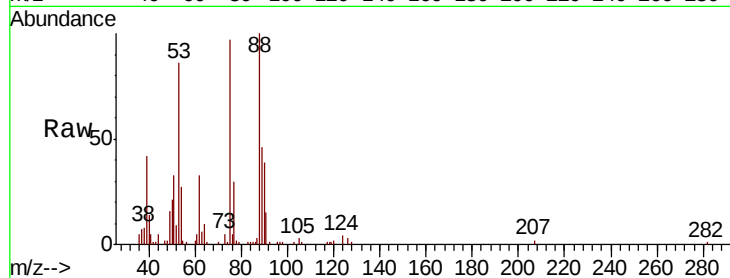
Tot Ion: 75 Resp: 54351

Ion Ratio Lower Upper

75 100

53 93.7 72.4 108.6

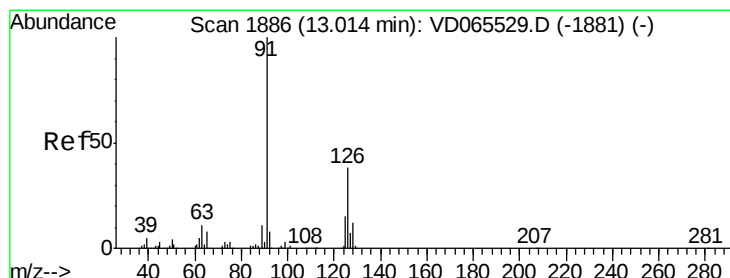
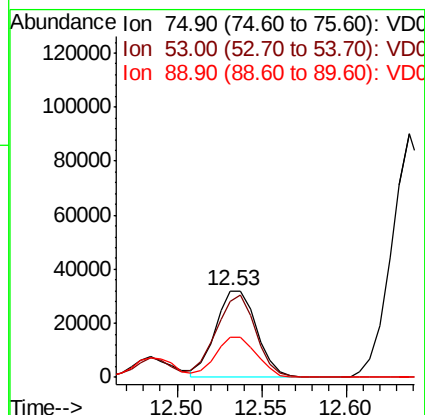
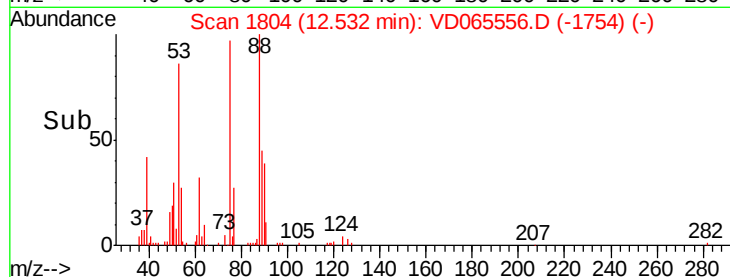
89 46.6 36.9 55.3



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 48.595 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD065556.D

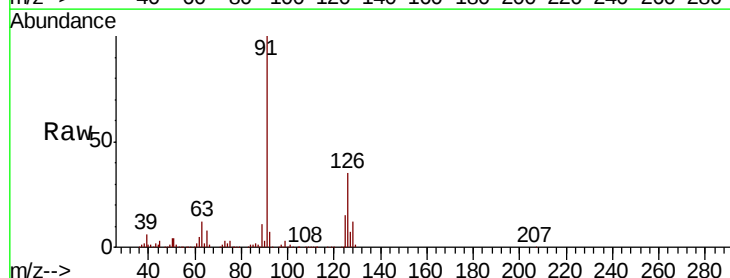
Acq: 27 Mar 2020 20:58

Tgt Ion: 91 Resp: 721701

Ion Ratio Lower Upper

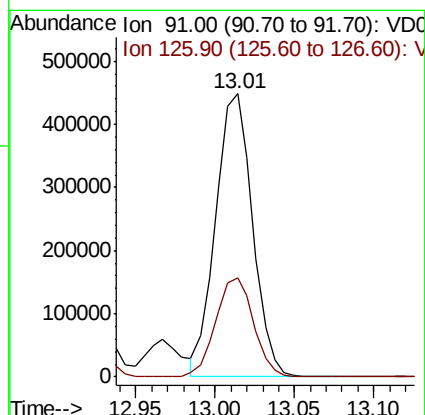
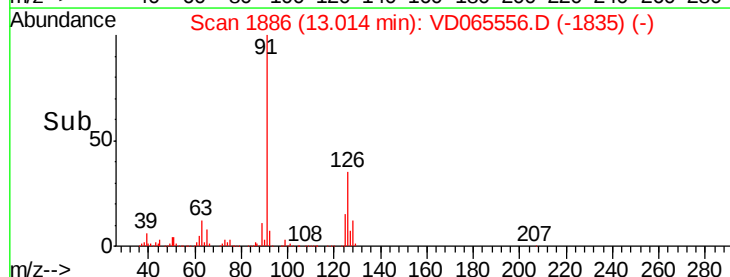
91 100

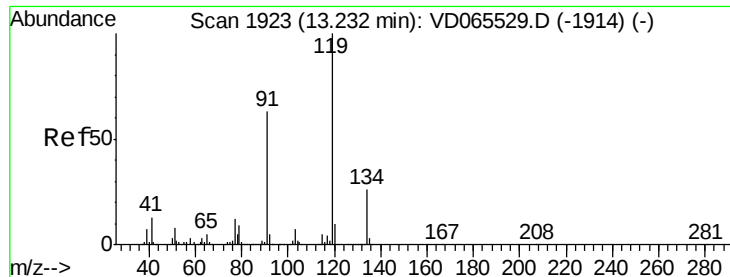
126 36.1 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

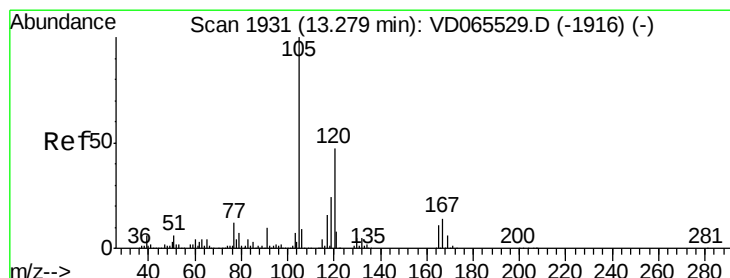
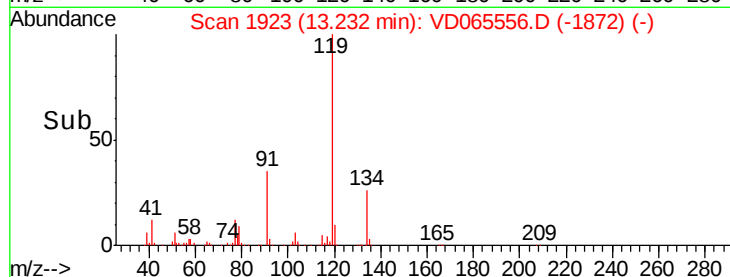
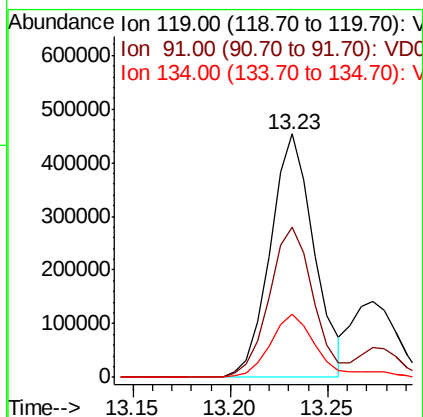
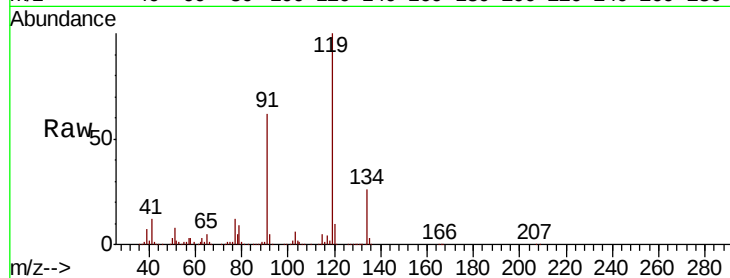




#83
tert-Butylbenzene
Concen: 49.231 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065556.D
Acq: 27 Mar 2020 20:58

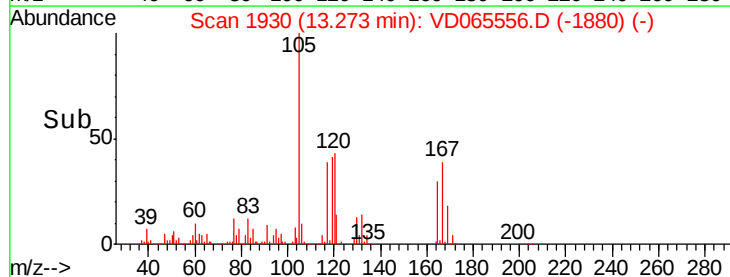
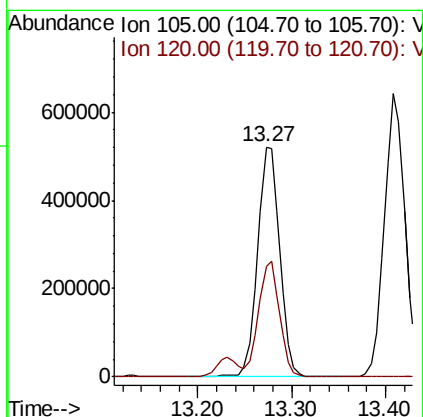
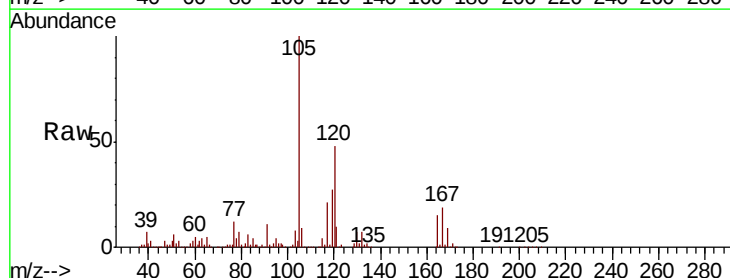
Instrument :
MSVOA_D
ClientSampled :

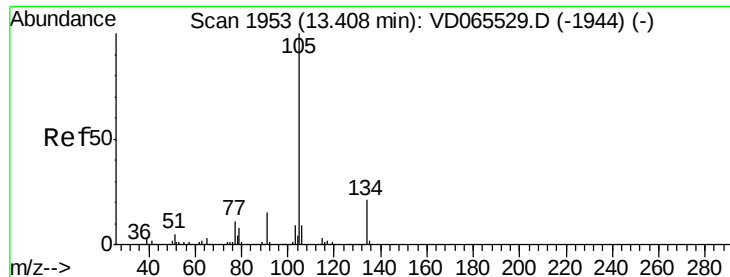
Tot Ion:119 Resp: 702315
Ion Ratio Lower Upper
119 100
91 63.0 31.4 94.0
134 28.3 13.9 41.6



#84
1,2,4-Trimethylbenzene
Concen: 49.799 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.01 min
Lab File: VD065556.D
Acq: 27 Mar 2020 20:58

Tgt Ion:105 Resp: 848015
Ion Ratio Lower Upper
105 100
120 47.7 23.5 70.5





#85

sec-Butylbenzene

Concen: 47.626 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065556.D

Acq: 27 Mar 2020 20:58

Instrument :

MSVOA_D

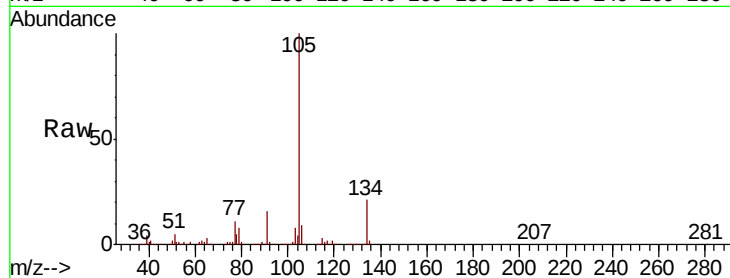
ClientSampleId :

Tot Ion:105 Resp: 972268

Ion Ratio Lower Upper

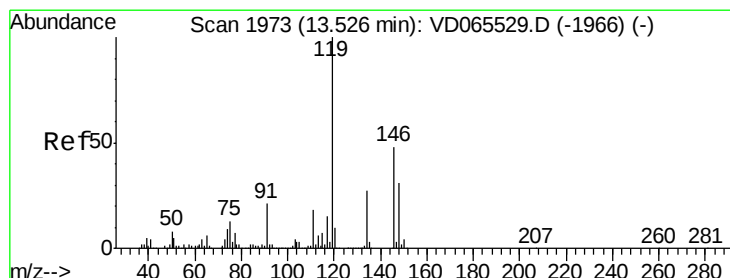
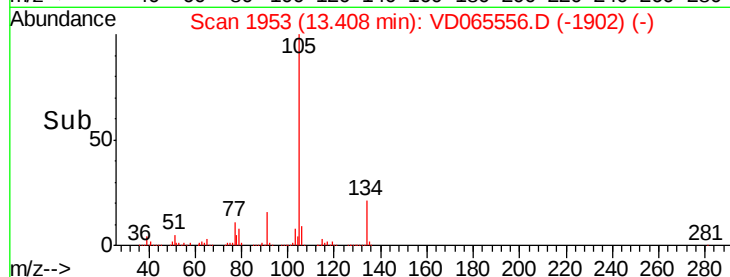
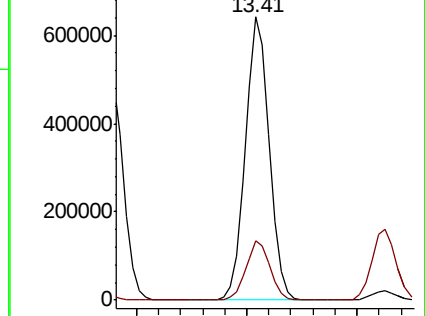
105 100

134 21.0 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: 49.007 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065556.D

Acq: 27 Mar 2020 20:58

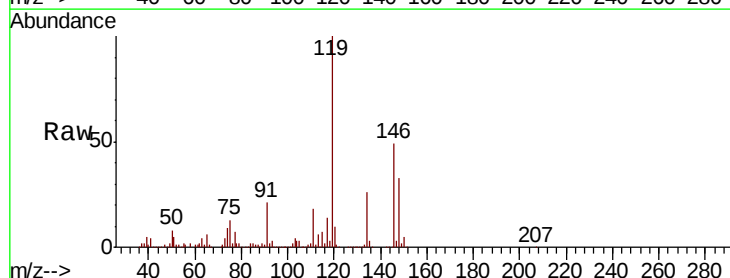
Tgt Ion:119 Resp: 921950

Ion Ratio Lower Upper

119 100

134 26.5 13.5 40.5

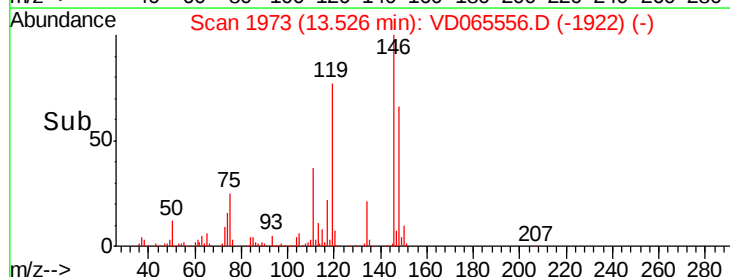
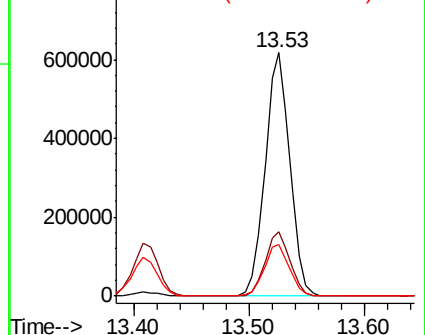
91 21.3 10.8 32.3

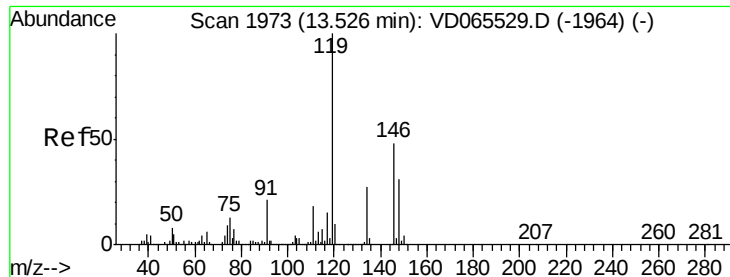


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

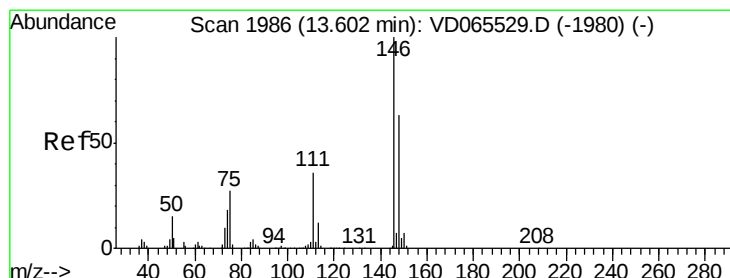
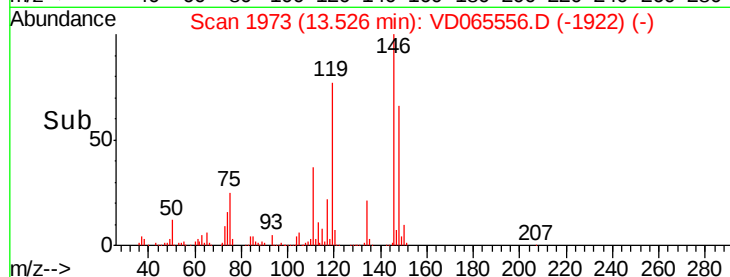
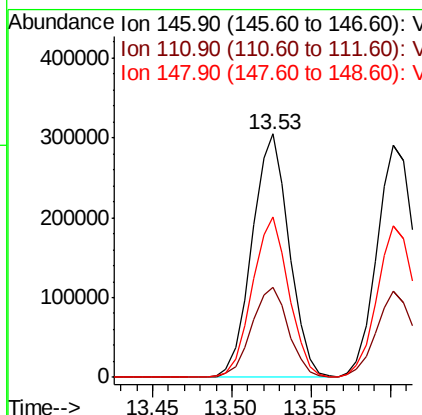
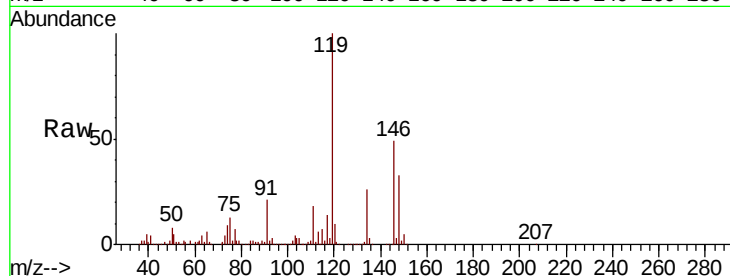




#87
 1,3-Dichlorobenzene
 Concen: 47.843 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065556.D
 Acq: 27 Mar 2020 20:58

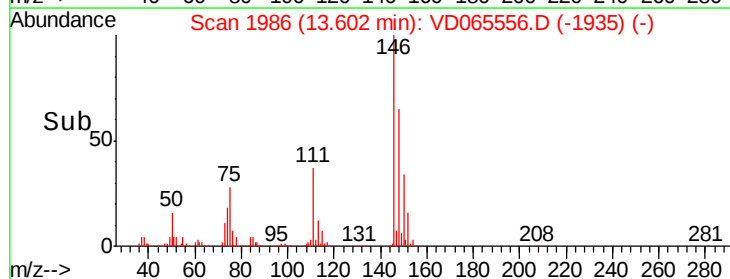
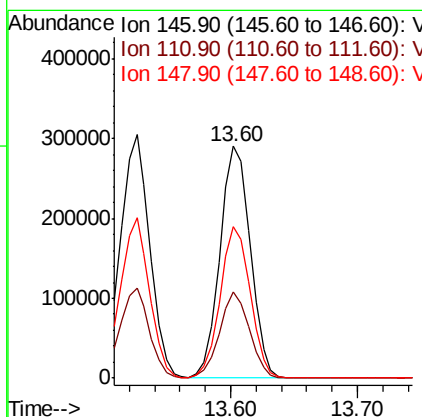
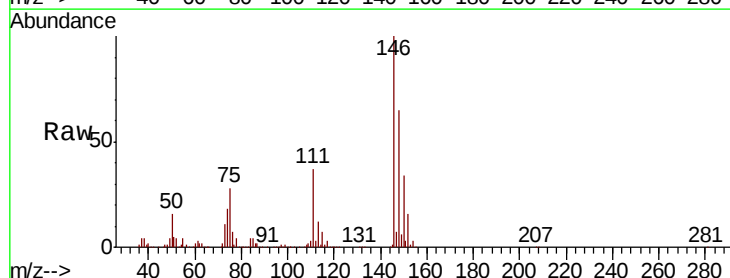
Instrument :
 MSVOA_D
 ClientSampled :

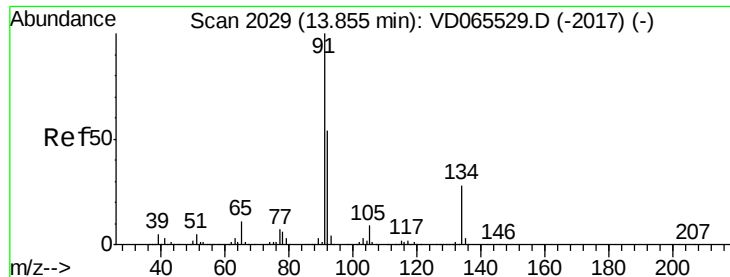
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.5	55.5
148	65.0	31.8	95.4



#88
 1,4-Dichlorobenzene
 Concen: 46.717 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065556.D
 Acq: 27 Mar 2020 20:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.0	54.0
148	64.4	31.6	94.8

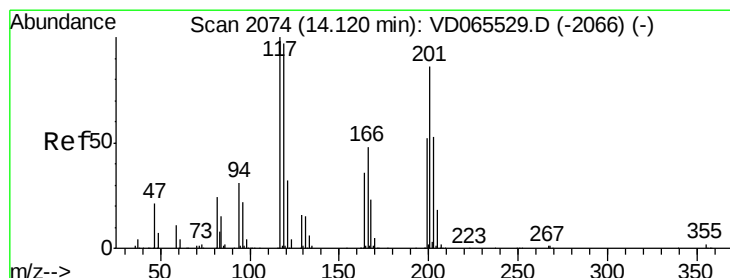
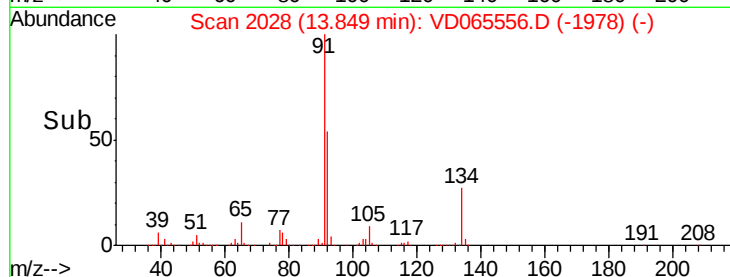
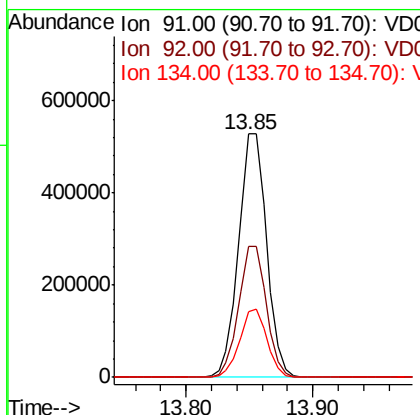
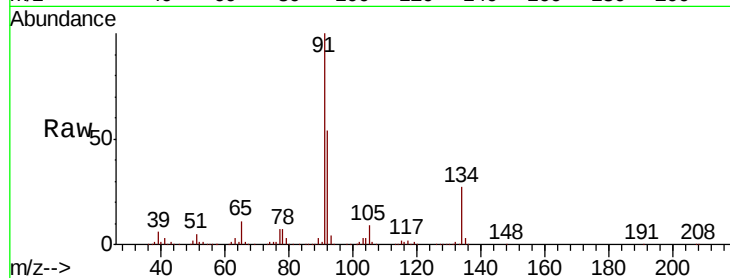




#89
n-Butylbenzene
Concen: 47.247 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD065556.D
Acq: 27 Mar 2020 20:58

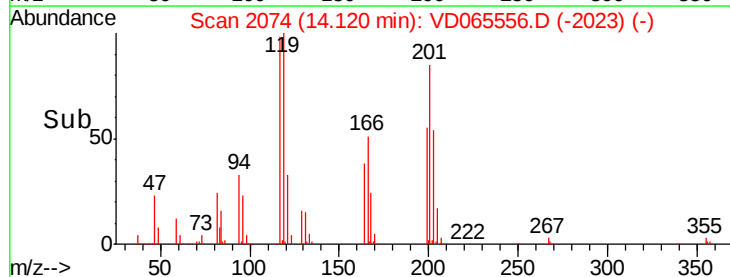
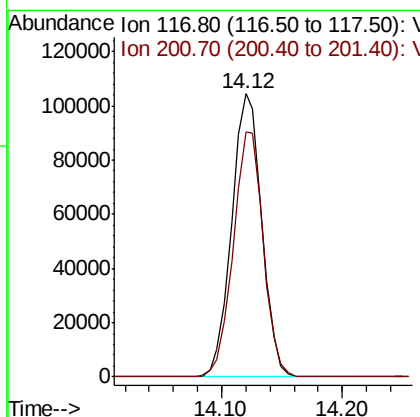
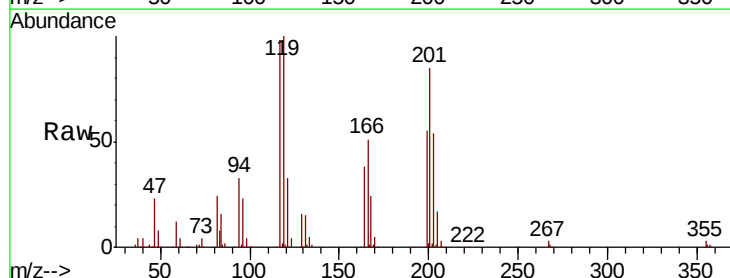
Instrument :
MSVOA_D
ClientSampleId :

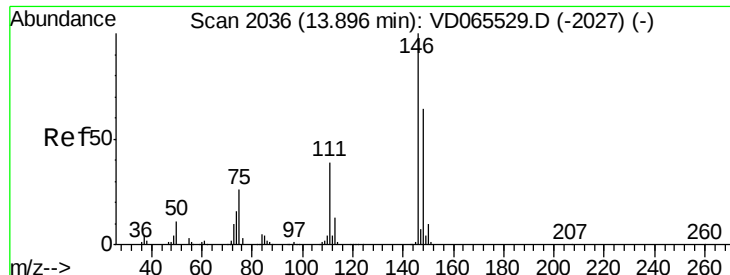
Tot Ion: 91 Resp: 807182
Ion Ratio Lower Upper
91 100
92 53.5 26.8 80.4
134 27.2 13.7 41.0



#90
Hexachloroethane
Concen: 45.834 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065556.D
Acq: 27 Mar 2020 20:58

Tgt Ion: 117 Resp: 180820
Ion Ratio Lower Upper
117 100
201 86.3 43.9 131.6





#91

1,2-Dichlorobenzene

Concen: 49.100 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VD065556.D

Acq: 27 Mar 2020 20:58

Instrument :

MSVOA_D

ClientSampleId :

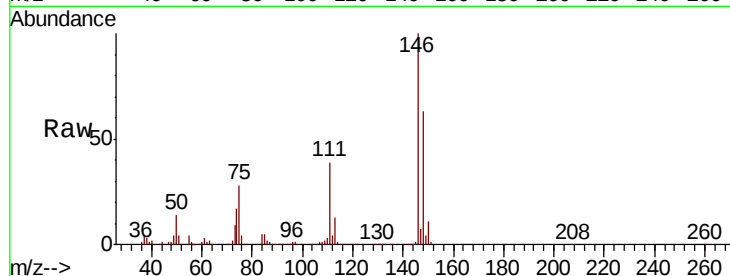
Tot Ion:146 Resp: 430892

Ion Ratio Lower Upper

146 100

111 38.9 19.4 58.4

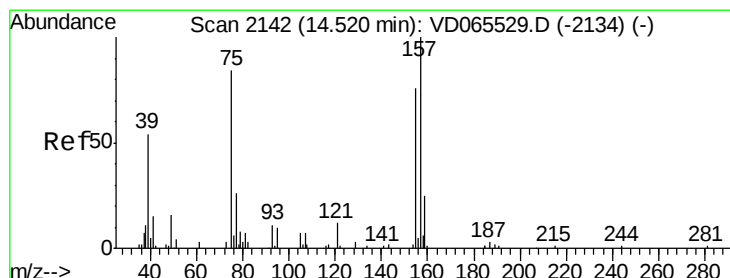
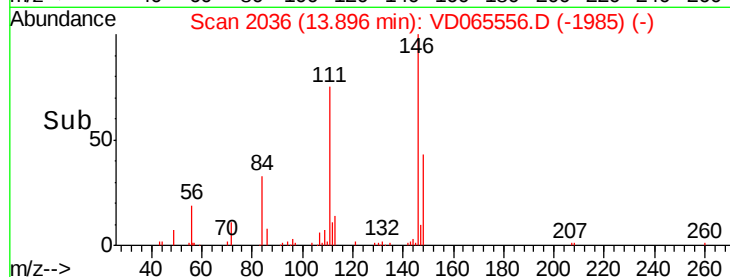
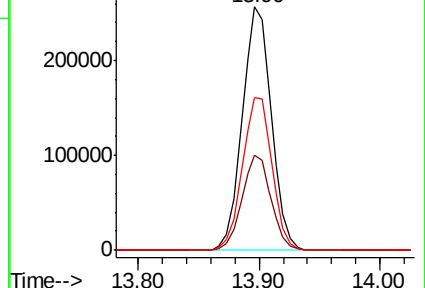
148 63.9 32.1 96.5



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: 47.198 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. -0.01 min

Lab File: VD065556.D

Acq: 27 Mar 2020 20:58

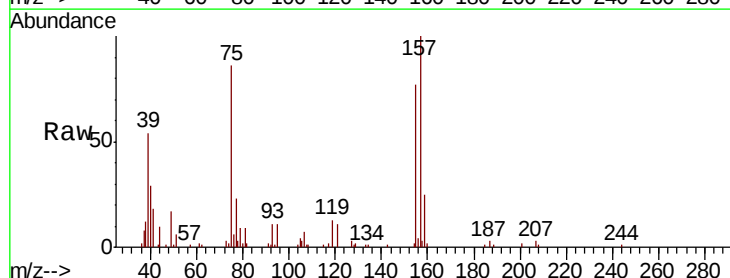
Tgt Ion: 75 Resp: 25381

Ion Ratio Lower Upper

75 100

155 95.8 46.2 138.6

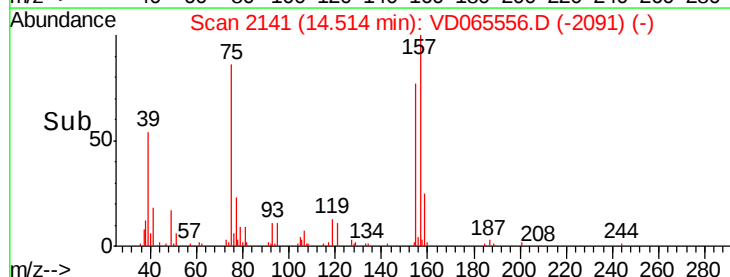
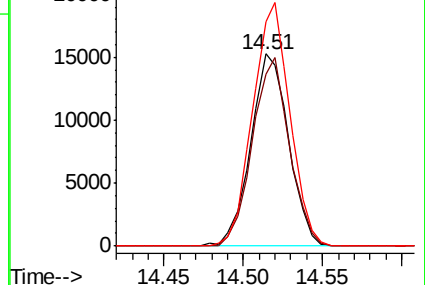
157 124.4 57.9 173.7

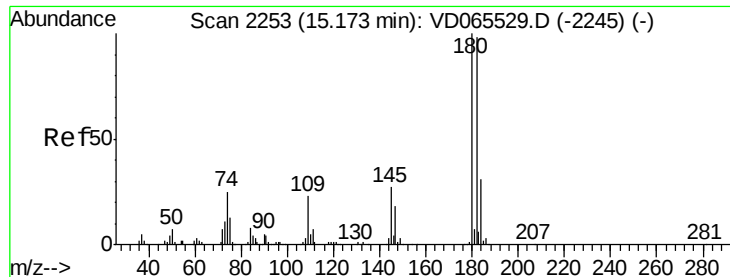


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

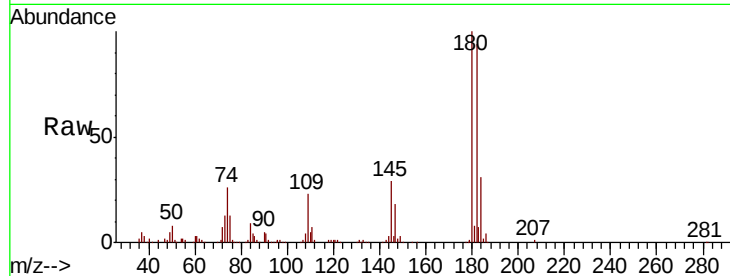




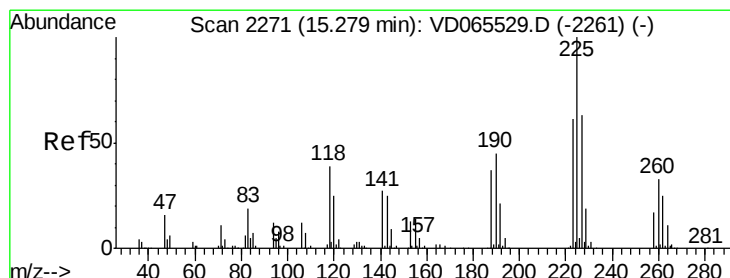
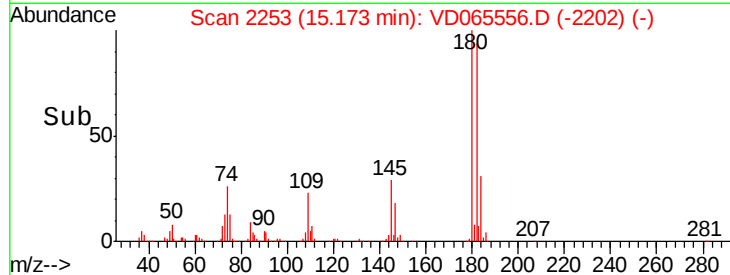
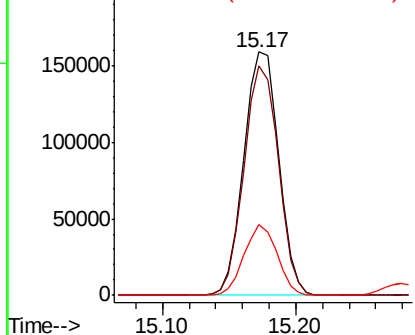
#93
 1,2,4-Trichlorobenzene
 Concen: 47.401 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD065556.D
 Acq: 27 Mar 2020 20:58

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.1	48.1	144.3
145	27.7	13.9	41.6

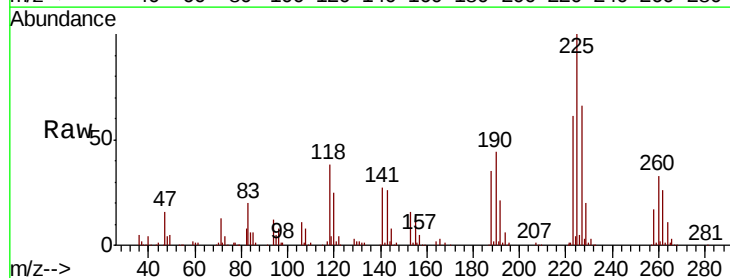


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

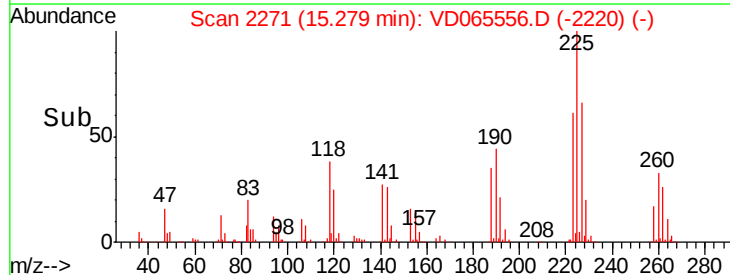
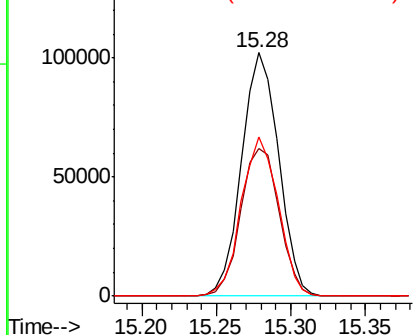


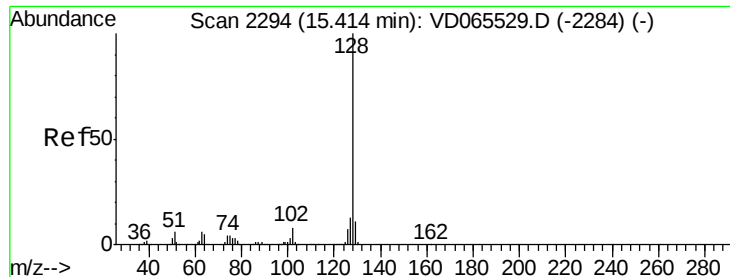
#94
 Hexachlorobutadiene
 Concen: 44.506 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065556.D
 Acq: 27 Mar 2020 20:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	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

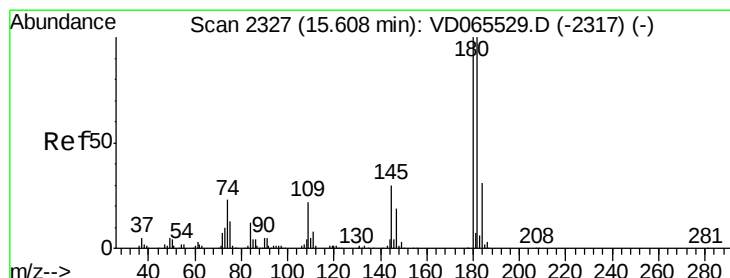
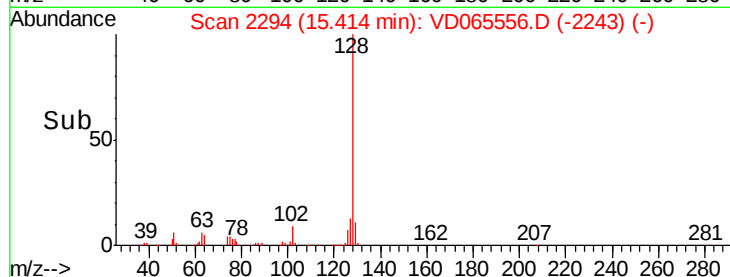
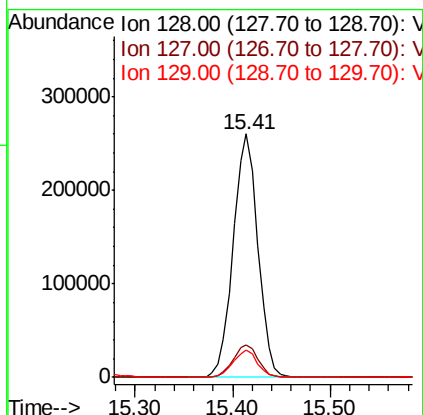
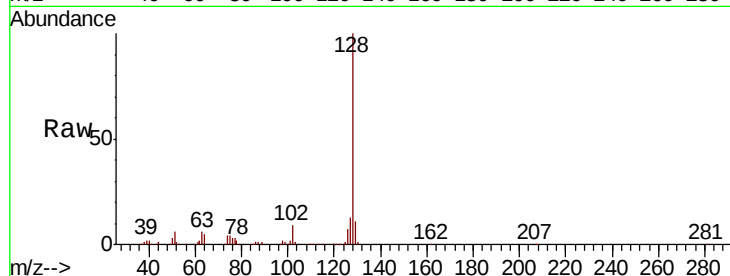




#95
Naphthalene
Concen: 44.668 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065556.D
Acq: 27 Mar 2020 20:58

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 456533
Ion Ratio Lower Upper
128 100
127 13.5 10.4 15.6
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 49.100 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065556.D
Acq: 27 Mar 2020 20:58

Tgt Ion:180 Resp: 255933
Ion Ratio Lower Upper
180 100
182 94.4 48.1 144.3
145 30.0 15.0 45.0

