

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041720\
 Data File : VD065641.D
 Acq On : 17 Apr 2020 13:16
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 20 06:58:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 15 19:43:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	260846	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	355122	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	327469	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	168902	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	93499	42.14	ug/l	0.00
Spiked Amount			Recovery	=	84.28%	
35) Dibromofluoromethane	7.92	113	97316	44.03	ug/l	0.00
Spiked Amount			Recovery	=	88.06%	
50) Toluene-d8	10.34	98	377561	46.34	ug/l	0.00
Spiked Amount			Recovery	=	92.68%	
62) 4-Bromofluorobenzene	12.64	95	120878	44.59	ug/l	0.00
Spiked Amount			Recovery	=	89.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	103557	47.675	ug/l	98
3) Chloromethane	2.21	50	103559	43.687	ug/l	99
4) Vinyl Chloride	2.35	62	120838	46.923	ug/l	98
5) Bromomethane	2.77	94	66827	47.778	ug/l	98
6) Chloroethane	2.92	64	70226	45.868	ug/l	99
7) Trichlorofluoromethane	3.27	101	161776	44.063	ug/l	100
8) Diethyl Ether	3.71	74	32264	42.783	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	77226	46.141	ug/l	99
10) Methyl Iodide	4.29	142	119176	43.894	ug/l	95
11) Tert butyl alcohol	5.24	59	23739	206.727	ug/l	98
12) 1,1-Dichloroethene	4.06	96	68902	45.798	ug/l	98
13) Acrolein	3.93	56	24757	252.096	ug/l	100
14) Allyl chloride	4.71	41	161008	54.585	ug/l	91
15) Acrylonitrile	5.43	53	103203	227.253	ug/l	97
16) Acetone	4.16	43	93269	293.903	ug/l	97
17) Carbon Disulfide	4.40	76	349785	52.452	ug/l	99
18) Methyl Acetate	4.72	43	51091	45.047	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	196591	46.144	ug/l	99
20) Methylene Chloride	4.96	84	109428	53.303	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	116923	48.096	ug/l	92
22) Diisopropyl ether	6.37	45	309931	44.635	ug/l	99
23) Vinyl Acetate	6.31	43	845109	209.444	ug/l	100
24) 1,1-Dichloroethane	6.26	63	192759	43.939	ug/l	99
25) 2-Butanone	7.22	43	137060	231.472	ug/l	98
26) 2,2-Dichloropropane	7.21	77	172441	45.098	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	119233	44.210	ug/l	99
28) Bromochloromethane	7.55	49	77470	44.216	ug/l	99
29) Tetrahydrofuran	7.57	42	81565	217.100	ug/l	98
30) Chloroform	7.71	83	190737	42.482	ug/l	97
31) Cyclohexane	7.98	56	185586	44.410	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	179320	44.420	ug/l	100
36) 1,1-Dichloropropene	8.11	75	159730	46.582	ug/l	100
37) Ethyl Acetate	7.30	43	59839	43.759	ug/l	98
38) Carbon Tetrachloride	8.10	117	168558	45.891	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	193259	48.433	ug/l	99
40) Benzene	8.35	78	440899	44.721	ug/l	96
41) Methacrylonitrile	7.53	41	30304	44.744	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	119804	44.340	ug/l	100
43) Isopropyl Acetate	8.46	43	106576	43.280	ug/l	99
44) Trichloroethene	9.11	130	124594	45.147	ug/l	94
45) 1,2-Dichloropropane	9.39	63	108500	44.842	ug/l	100
46) Dibromomethane	9.48	93	54175	43.297	ug/l	99
47) Bromodichloromethane	9.66	83	144707	43.431	ug/l	98
48) Methyl methacrylate	9.46	41	52145	39.944	ug/l	95
49) 1,4-Dioxane	9.47	88	12304	813.783	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	280362	205.702	ug/l	99
52) Toluene	10.40	92	283358	46.623	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	133295	43.570	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	164965	44.554	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	75174	42.476	ug/l	97
56) Ethyl methacrylate	10.67	69	86061	39.621	ug/l	98
57) 1,3-Dichloropropane	10.95	76	130539	43.317	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	217630	206.940	ug/l	99
59) 2-Hexanone	10.99	43	204682	218.072	ug/l	98
60) Dibromochloromethane	11.14	129	100606	43.161	ug/l	100
61) 1,2-Dibromoethane	11.25	107	72289	42.450	ug/l	99
64) Tetrachloroethene	10.88	164	108020	45.973	ug/l	99
65) Chlorobenzene	11.67	112	297178	45.836	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	111348	44.918	ug/l	99
67) Ethyl Benzene	11.75	91	528447	47.692	ug/l	97
68) m/p-Xylenes	11.86	106	419715	98.047	ug/l	98
69) o-Xylene	12.18	106	180059	47.939	ug/l	99
70) Styrene	12.20	104	324195	48.762	ug/l	99
71) Bromoform	12.37	173	61536	44.186	ug/l #	98
73) Isopropylbenzene	12.48	105	504437	49.518	ug/l	100
74) N-amyl acetate	12.30	43	98055	41.579	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	79883	43.187	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	107096	78.862	ug/l #	100
77) Bromobenzene	12.77	156	121743	45.004	ug/l	99
78) n-propylbenzene	12.83	91	609148	49.430	ug/l	100
79) 2-Chlorotoluene	12.91	91	330442	47.217	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	420975	48.969	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	28844	46.550	ug/l	97
82) 4-Chlorotoluene	13.01	91	356597	47.351	ug/l	99
83) tert-Butylbenzene	13.23	119	349190	48.445	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	421930	49.230	ug/l	99
85) sec-Butylbenzene	13.41	105	506020	49.070	ug/l	100
86) p-Isopropyltoluene	13.53	119	478699	49.462	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	240197	45.349	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	238239	45.190	ug/l	99
89) n-Butylbenzene	13.85	91	433344	49.334	ug/l	100
90) Hexachloroethane	14.12	117	93285	45.961	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	204092	44.939	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12697	45.390	ug/l	91

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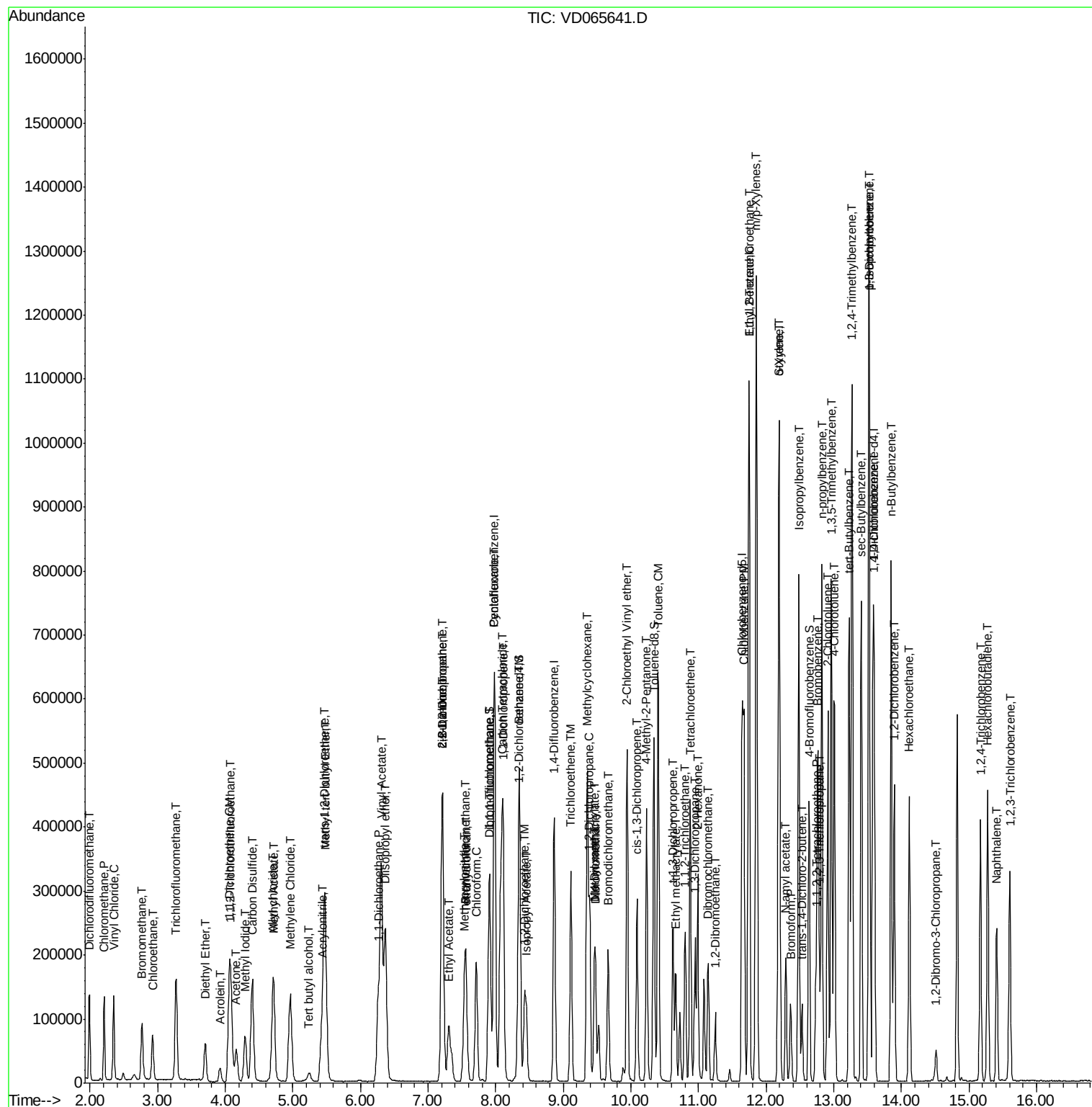
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	145003	46.420	ug/l	98
94) Hexachlorobutadiene	15.28	225	99734	46.566	ug/l	99
95) Naphthalene	15.41	128	212675	40.574	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	126346	45.846	ug/l	99

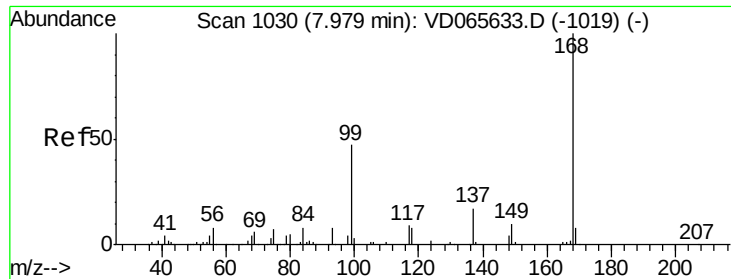
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

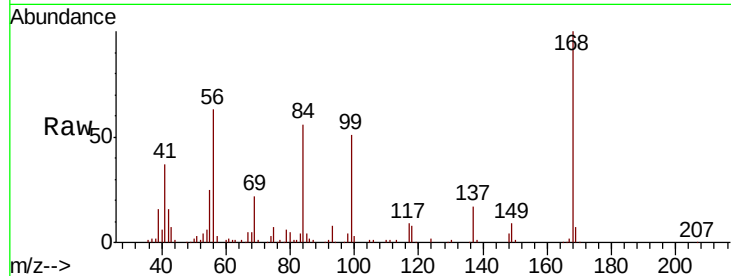
ClientSampleId :

Tot Ion:168 Resp: 260846

Ion Ratio Lower Upper

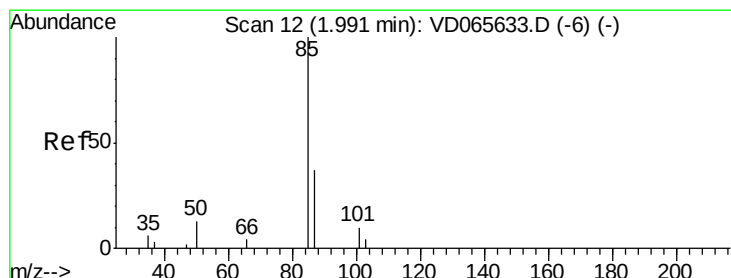
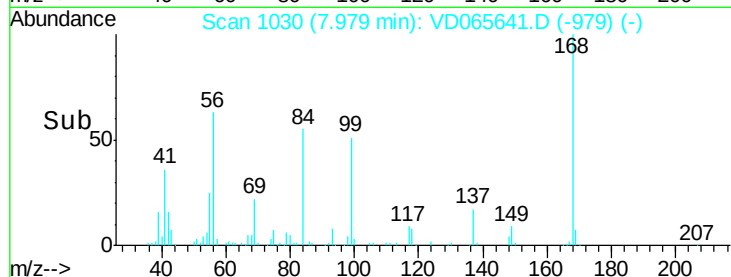
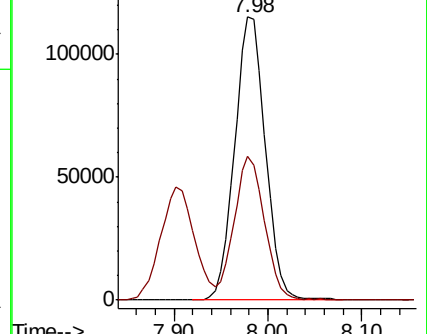
168 100

99 50.4 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 47.675 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD065641.D

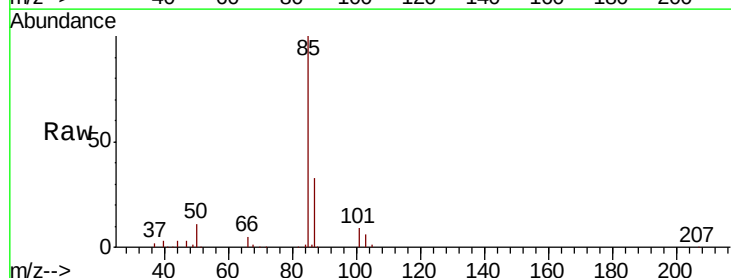
Acq: 17 Apr 2020 13:16

Tgt Ion: 85 Resp: 103557

Ion Ratio Lower Upper

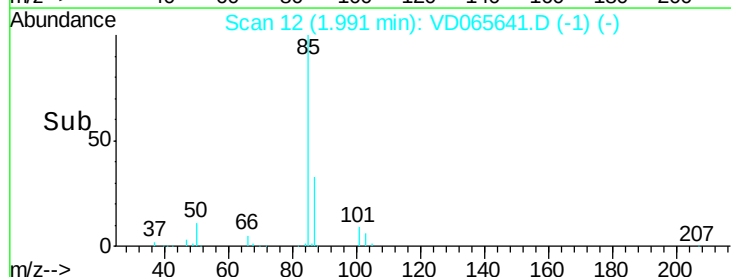
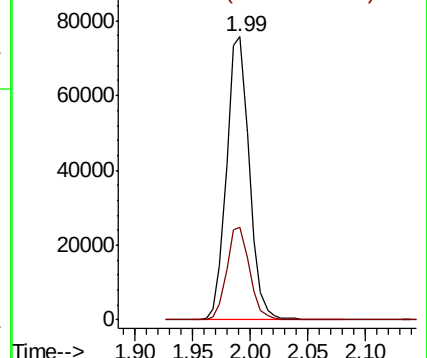
85 100

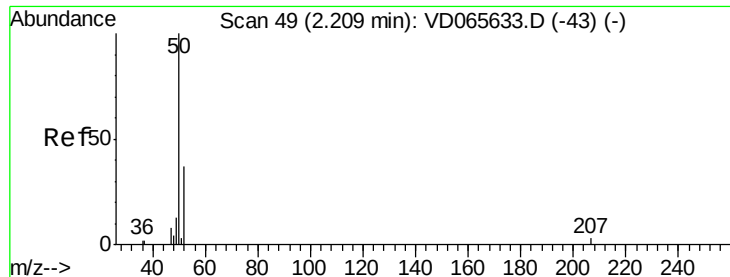
87 32.6 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 43.687 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

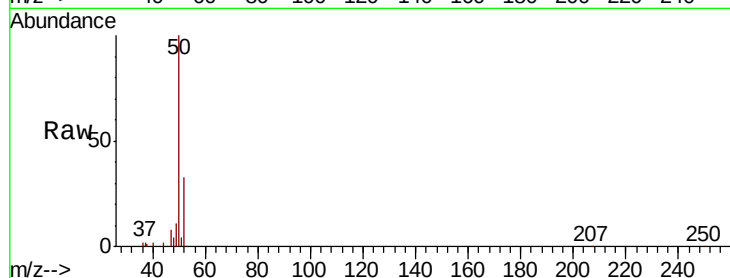
ClientSampleId :

Tot Ion: 50 Resp: 103559

Ion Ratio Lower Upper

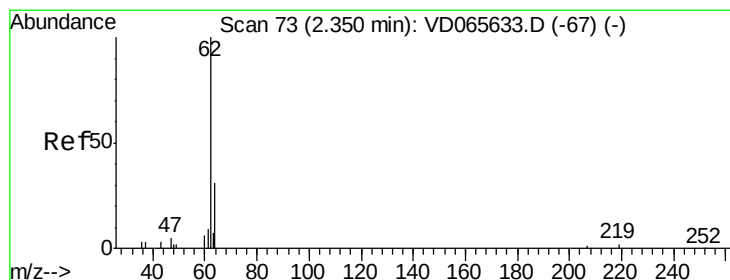
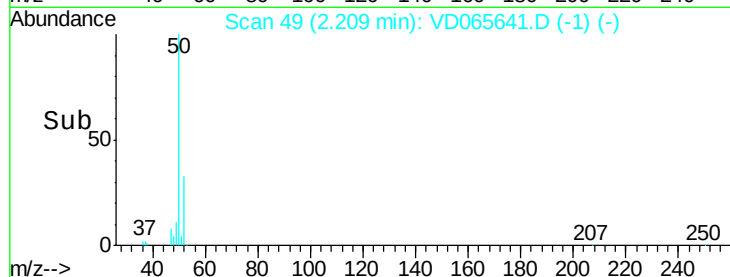
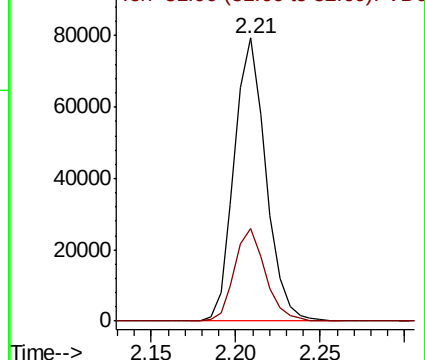
50 100

52 32.7 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 46.923 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065641.D

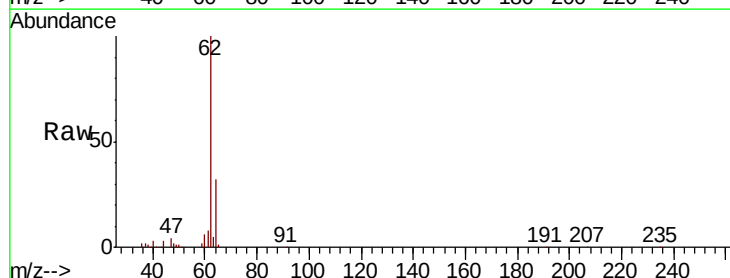
Acq: 17 Apr 2020 13:16

Tgt Ion: 62 Resp: 120838

Ion Ratio Lower Upper

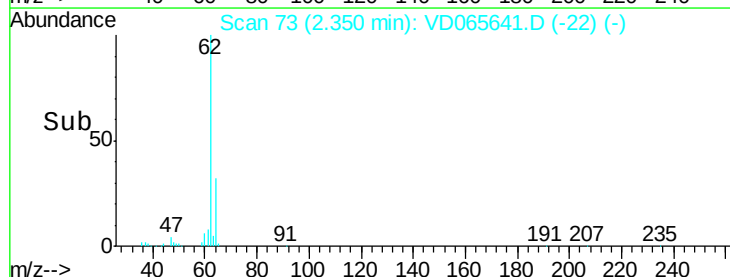
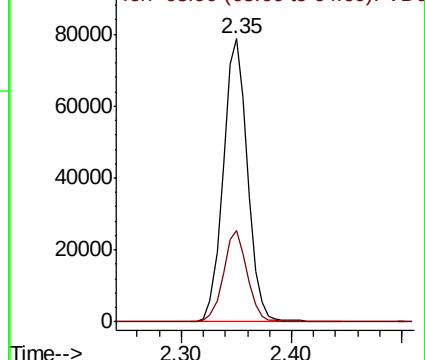
62 100

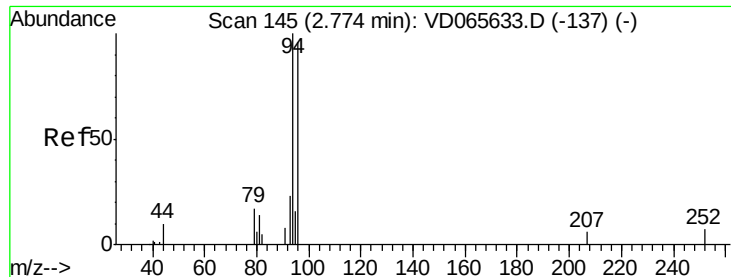
64 32.4 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

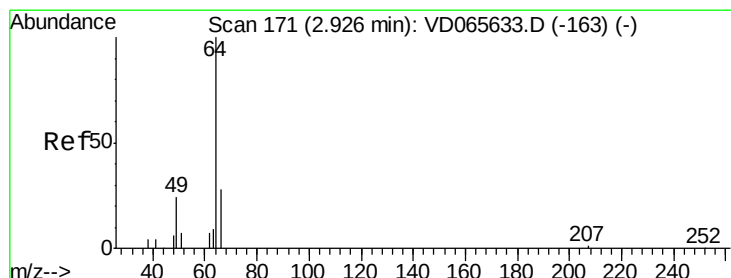
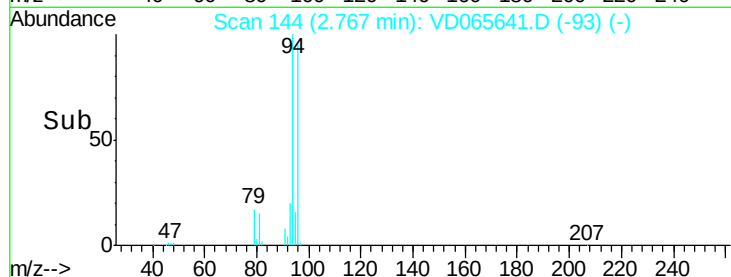
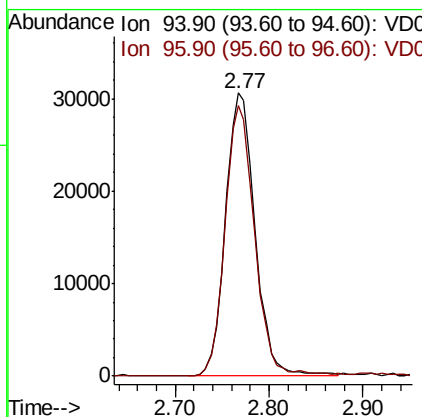
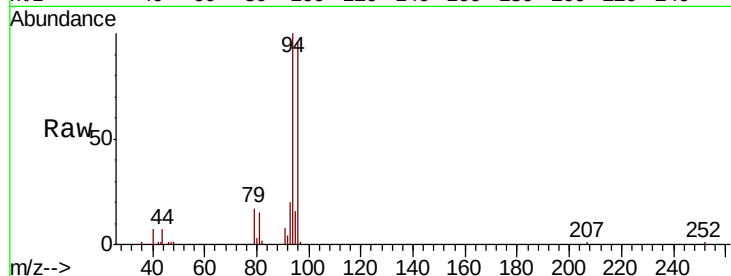




#5
Bromomethane
Concen: 47.778 ug/l
RT: 2.77 min Scan# 144
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

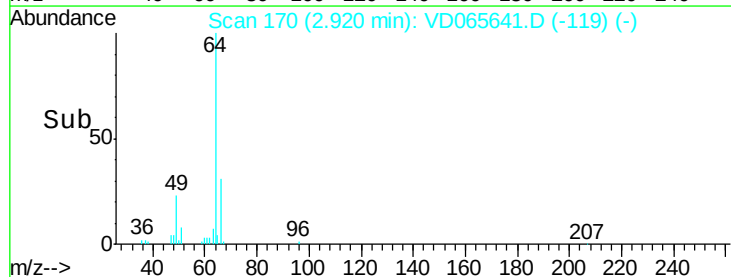
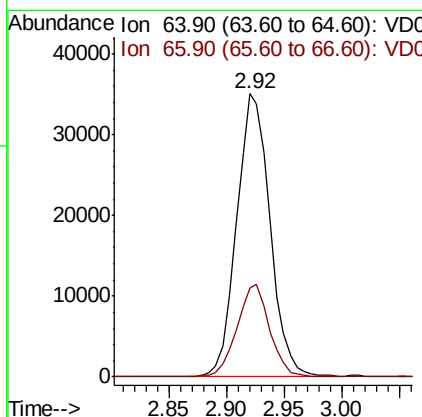
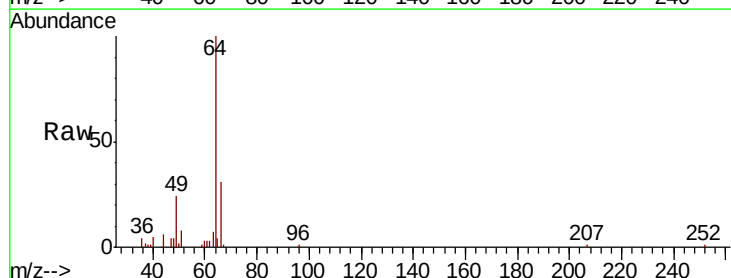
Instrument :
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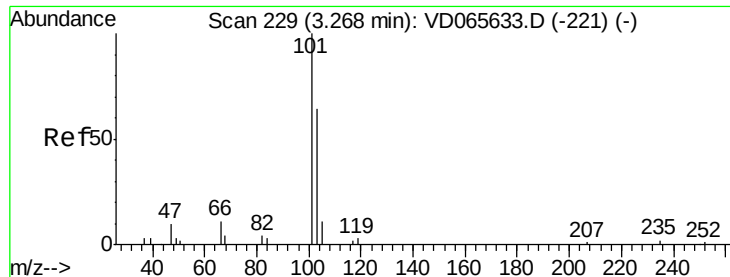
Tot Ion: 94 Resp: 66827
Ion Ratio Lower Upper
94 100
96 95.6 77.9 116.9



#6
Chloroethane
Concen: 45.868 ug/l
RT: 2.92 min Scan# 170
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Tgt Ion: 64 Resp: 70226
Ion Ratio Lower Upper
64 100
66 31.4 25.6 38.4



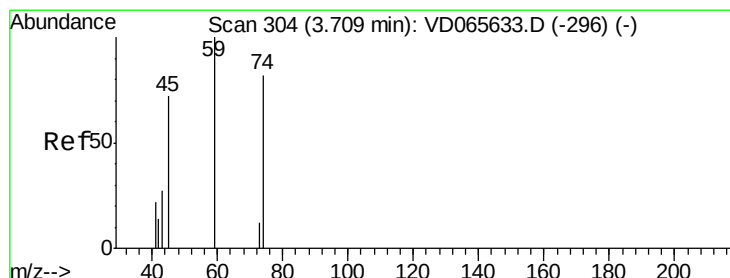
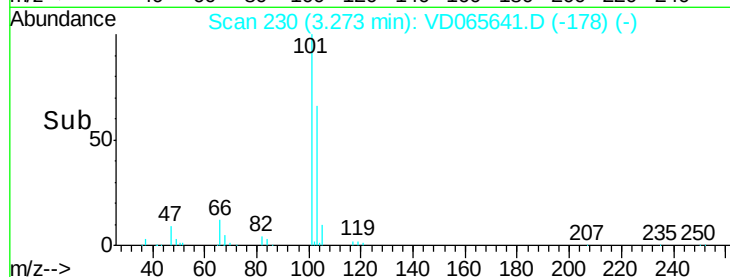
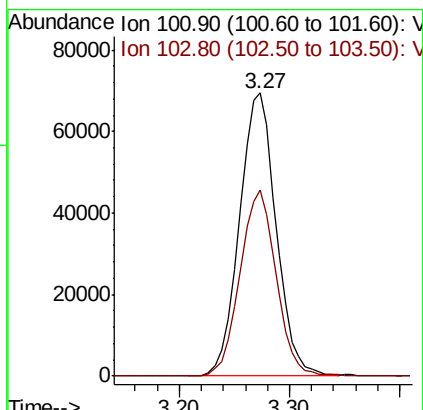
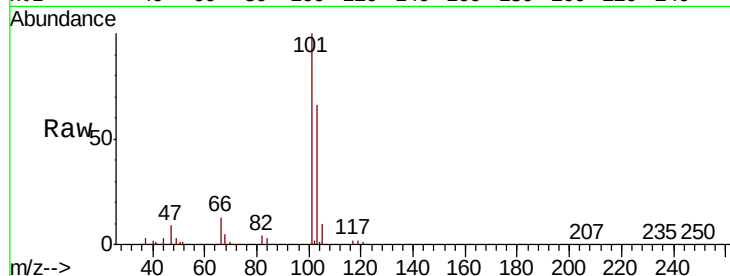


#7

Trichlorofluoromethane
Concen: 44.063 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Instrument :
MSVOA_D
ClientSampleId :

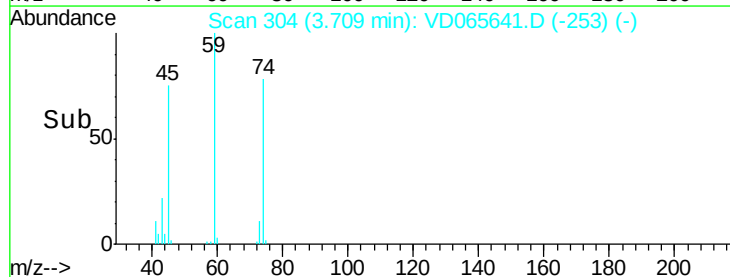
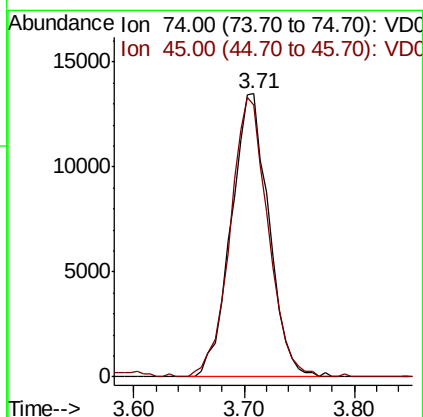
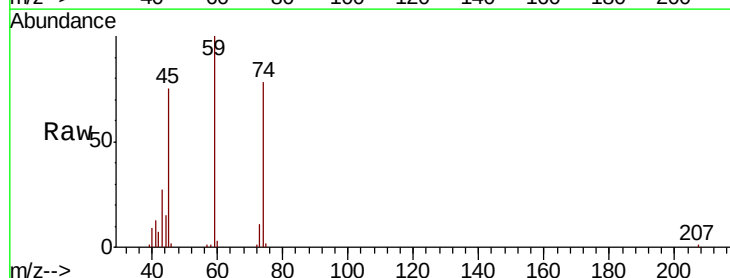
Tot Ion:101 Resp: 161776
Ion Ratio Lower Upper
101 100
103 65.6 52.2 78.4

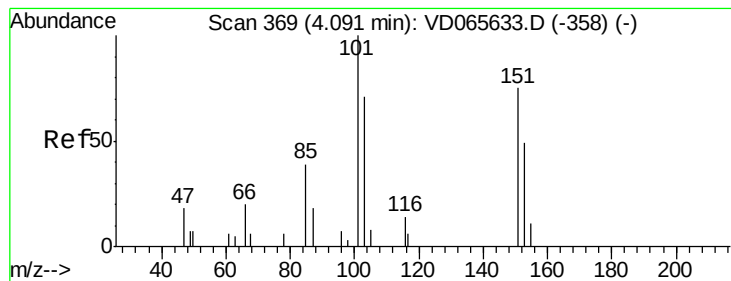


#8

Diethyl Ether
Concen: 42.783 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Tgt Ion: 74 Resp: 32264
Ion Ratio Lower Upper
74 100
45 99.0 49.9 149.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.141 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

ClientSampleId :

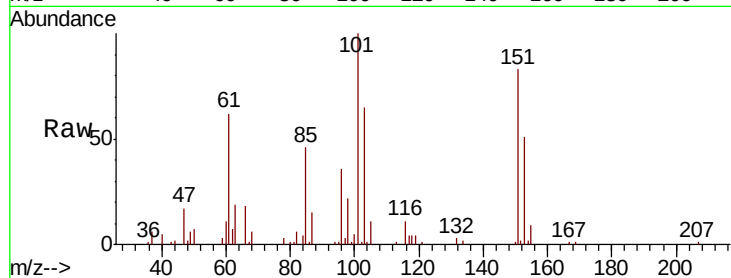
Tot Ion:101 Resp: 77226

Ion Ratio Lower Upper

101 100

85 44.6 36.2 54.2

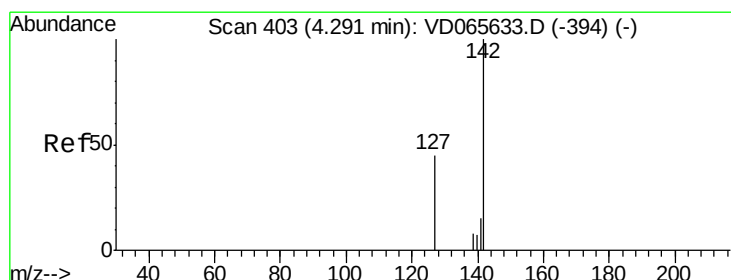
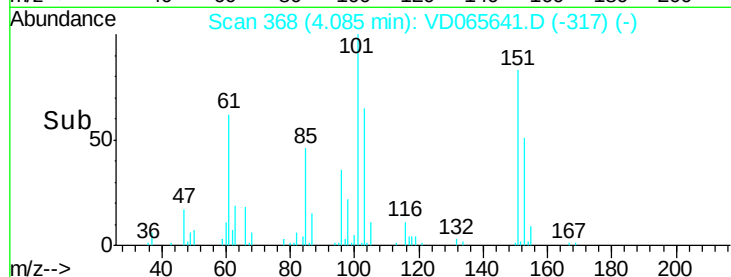
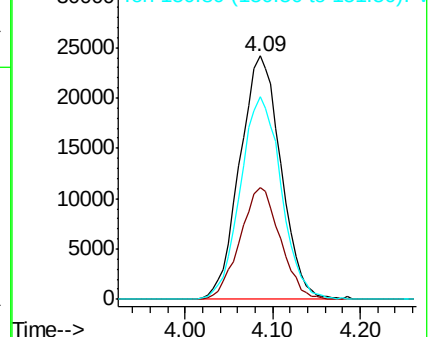
151 82.6 65.6 98.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 43.894 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

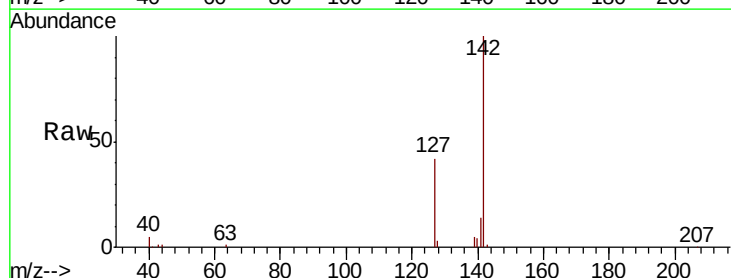
Tgt Ion:142 Resp: 119176

Ion Ratio Lower Upper

142 100

127 43.0 38.1 57.1

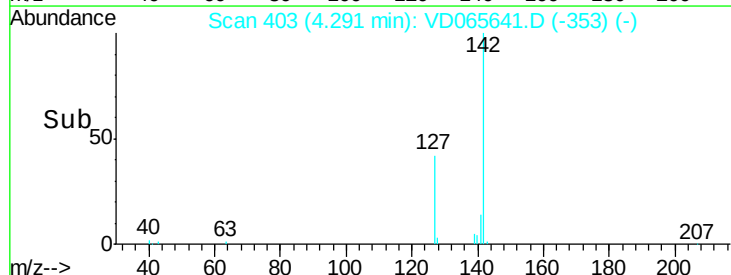
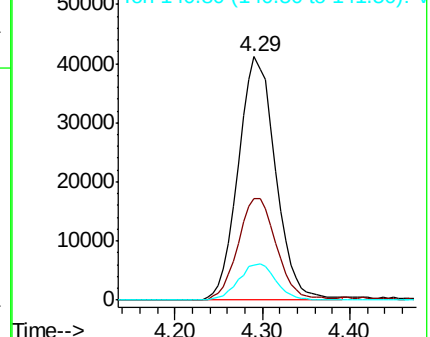
141 14.9 12.1 18.1

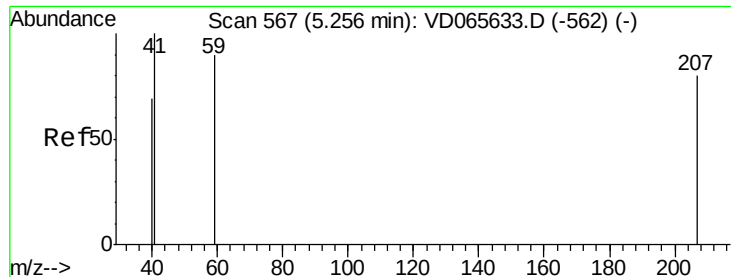


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

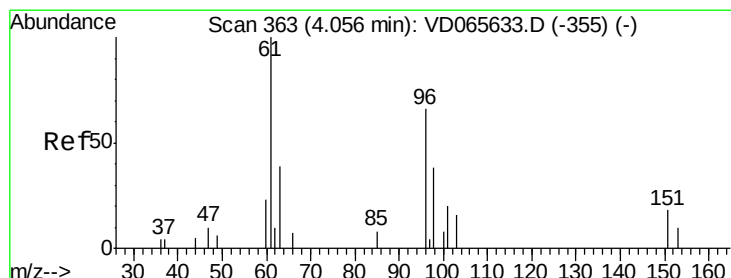
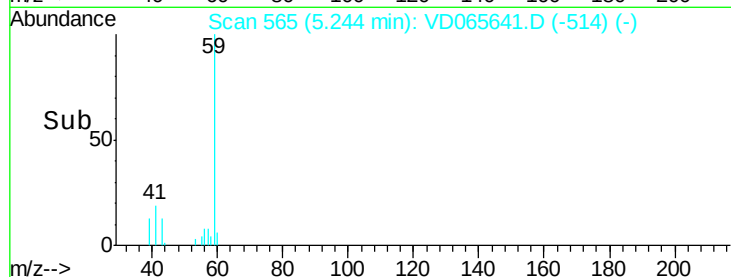
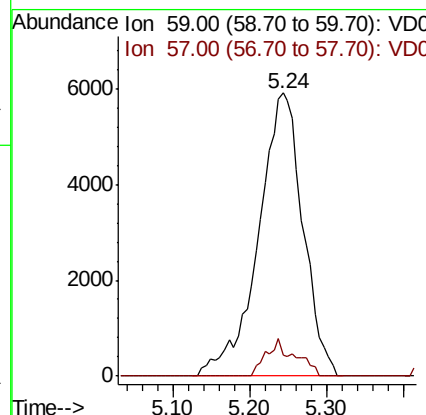
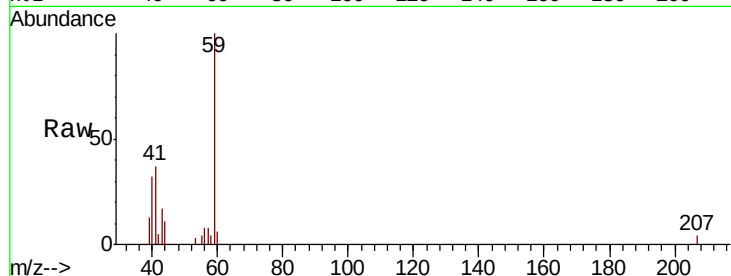




#11
Tert butyl alcohol
Concen: 206.727 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

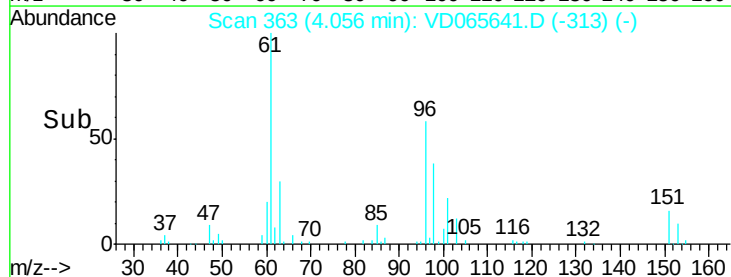
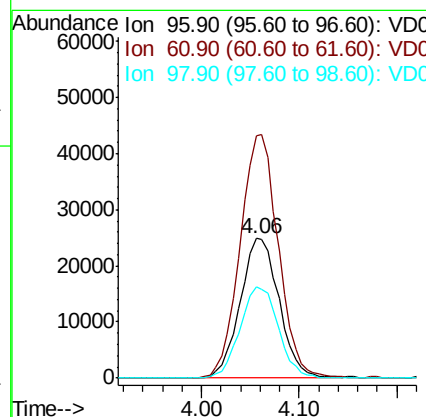
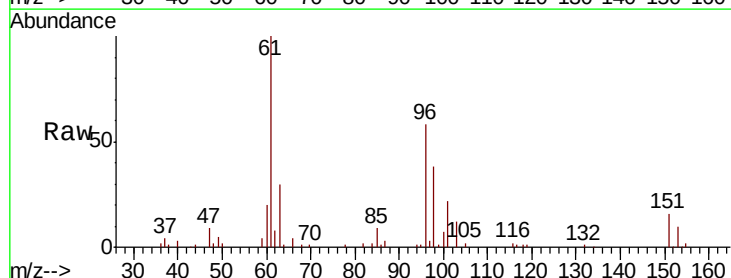
Instrument :
MSVOA_D
ClientSampleId :

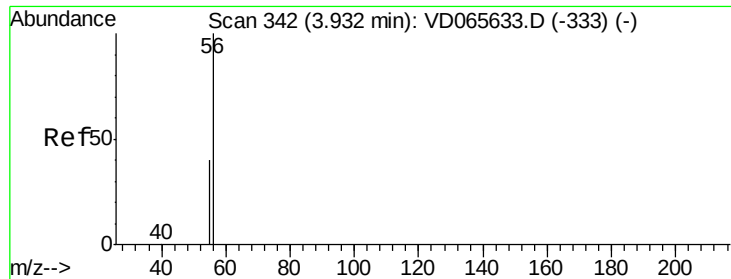
Tot Ion: 59 Resp: 23739
Ion Ratio Lower Upper
59 100
57 8.6 7.4 11.2



#12
1,1-Dichloroethene
Concen: 45.798 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Tgt Ion: 96 Resp: 68902
Ion Ratio Lower Upper
96 100
61 173.4 136.2 204.2
98 65.5 52.2 78.2

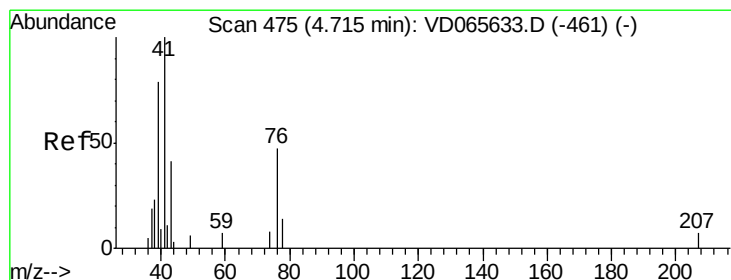
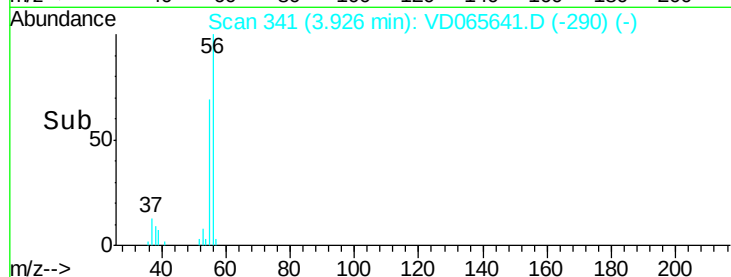
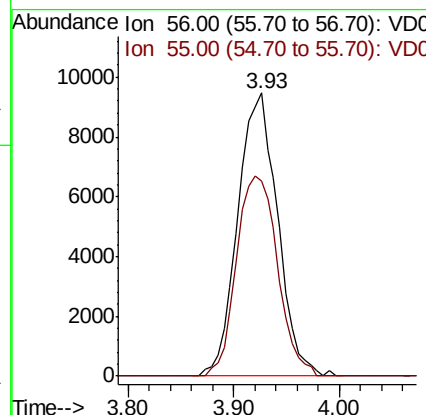
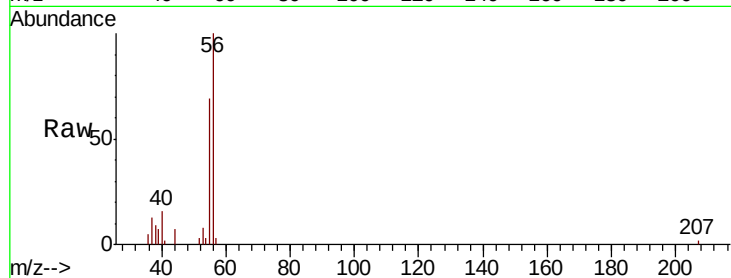




#13
Acrolein
Concen: 252.096 ug/l
RT: 3.93 min Scan# 341
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

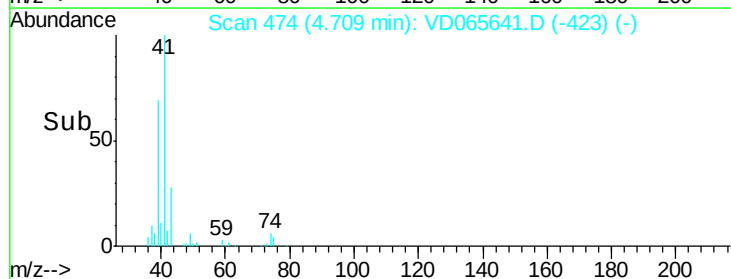
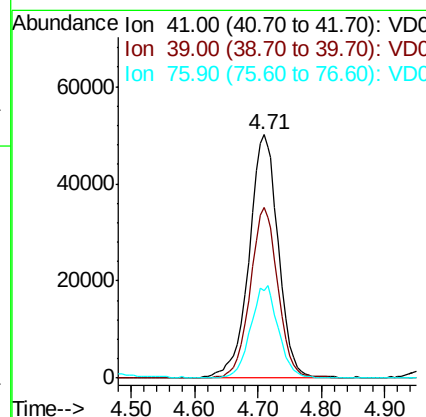
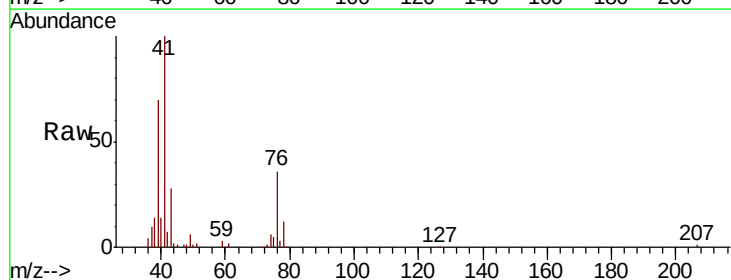
Instrument :
MSVOA_D
ClientSampled :

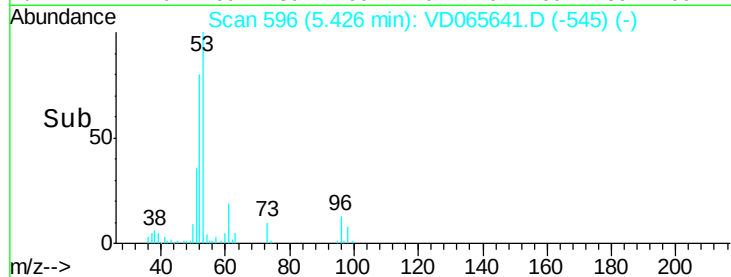
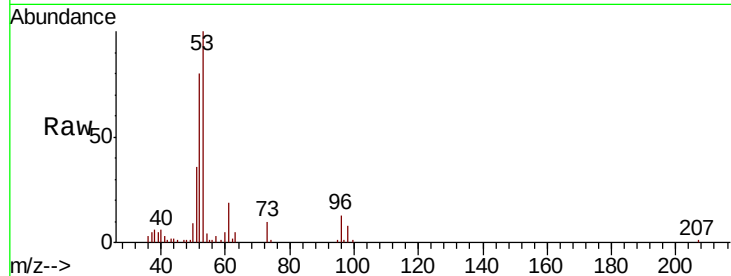
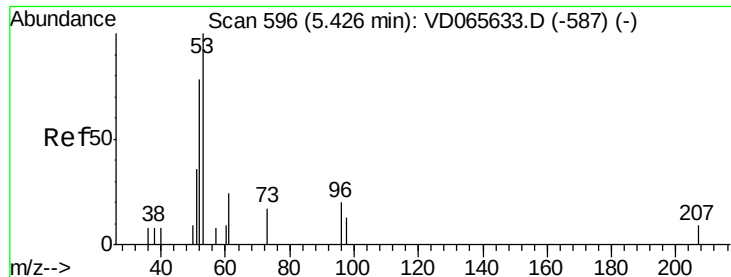
Tot Ion: 56 Resp: 24757
Ion Ratio Lower Upper
56 100
55 72.9 58.2 87.2



#14
Allyl chloride
Concen: 54.585 ug/l
RT: 4.71 min Scan# 474
Delta R.T. 0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Tgt Ion: 41 Resp: 161008
Ion Ratio Lower Upper
41 100
39 66.8 62.5 93.7
76 36.3 29.1 43.7





#15

Acrylonitrile

Concen: 227.253 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

ClientSampleId :

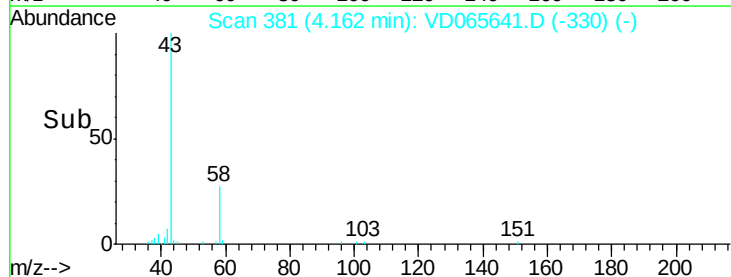
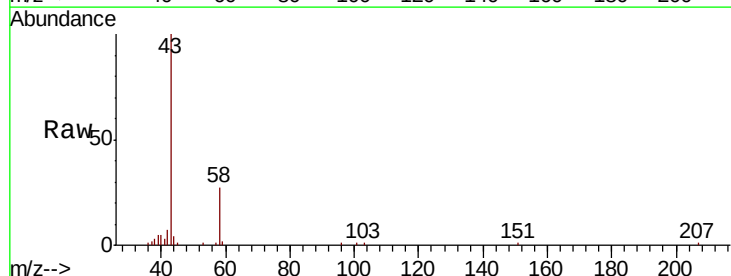
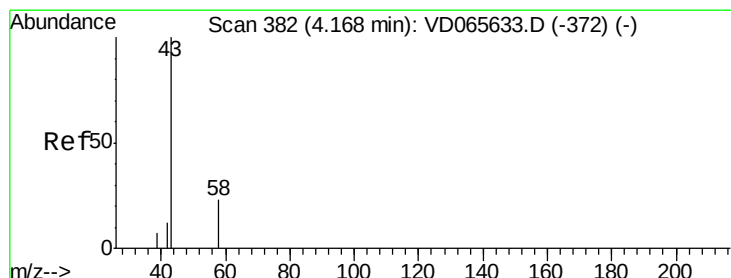
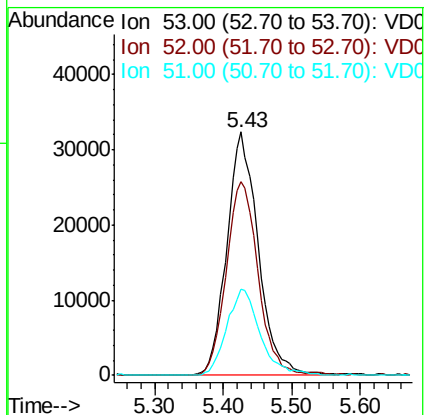
Tot Ion: 53 Resp: 103203

Ion Ratio Lower Upper

53 100

52 79.8 65.8 98.6

51 37.3 30.9 46.3



#16

Acetone

Concen: 293.903 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.00 min

Lab File: VD065641.D

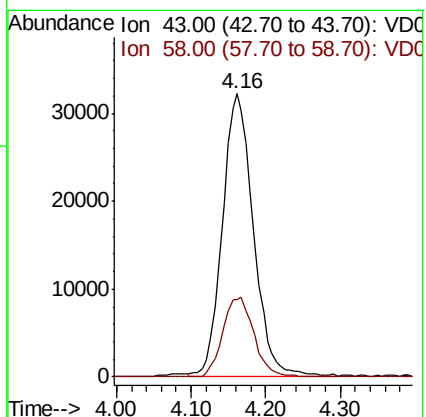
Acq: 17 Apr 2020 13:16

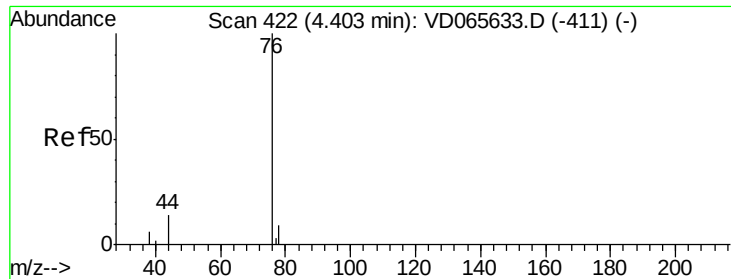
Tgt Ion: 43 Resp: 93269

Ion Ratio Lower Upper

43 100

58 27.2 22.9 34.3

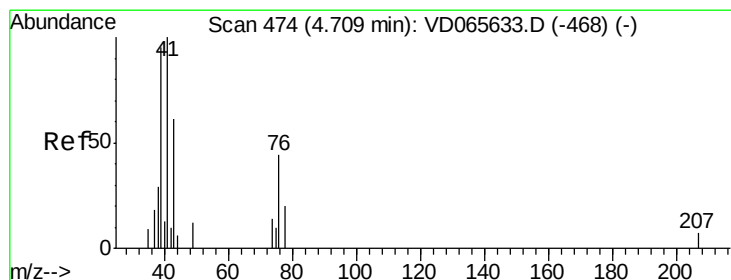
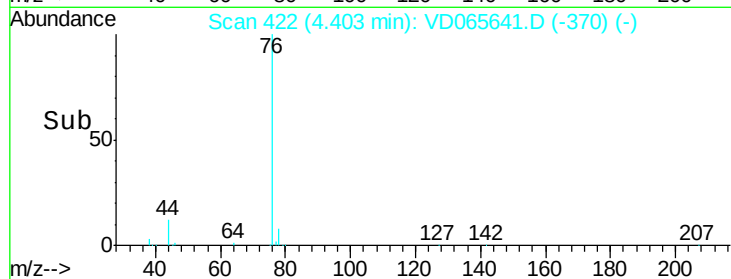
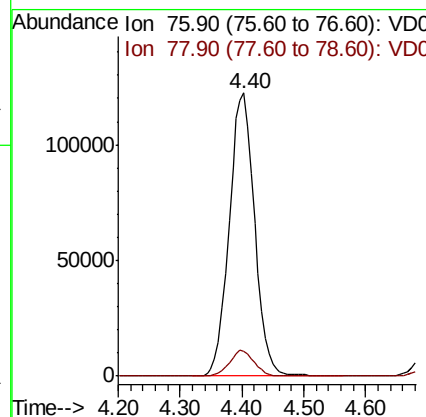
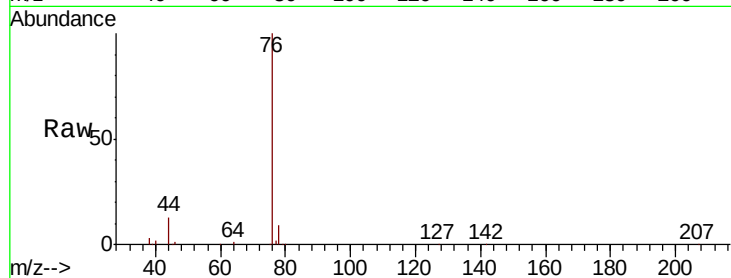




#17
Carbon Disulfide
Concen: 52.452 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

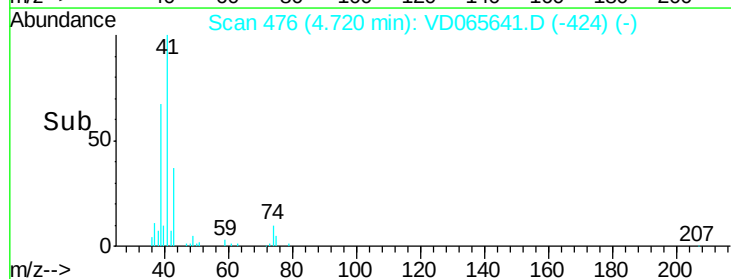
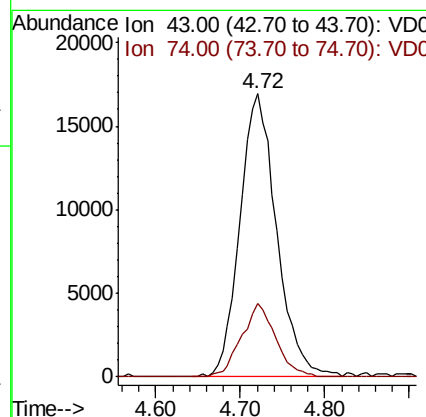
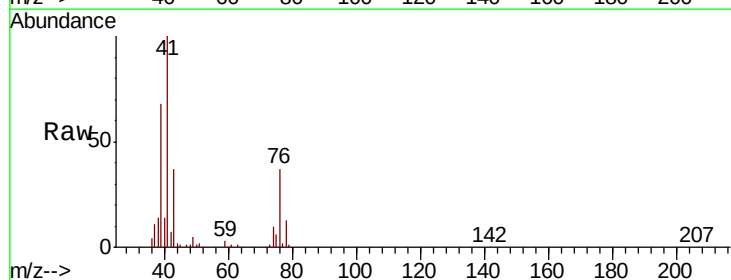
Instrument :
MSVOA_D
ClientSampleId :

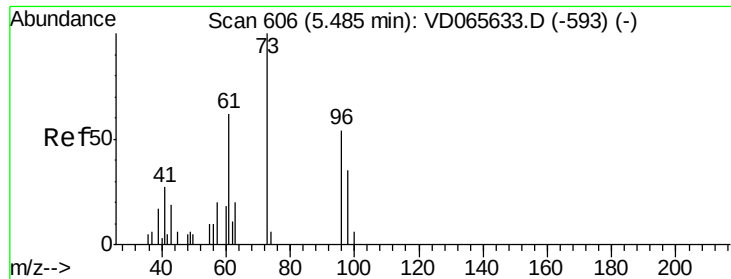
Tot Ion: 76 Resp: 349785
Ion Ratio Lower Upper
76 100
78 8.8 7.3 10.9



#18
Methyl Acetate
Concen: 45.047 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Tgt Ion: 43 Resp: 51091
Ion Ratio Lower Upper
43 100
74 24.1 18.6 28.0

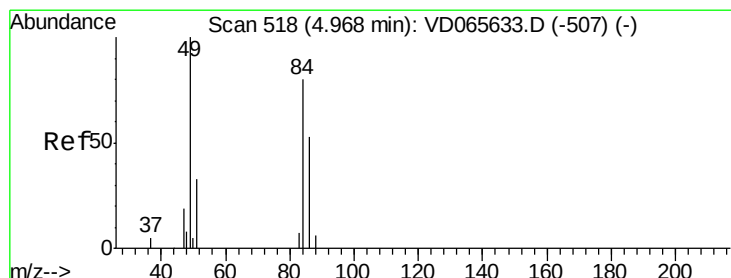
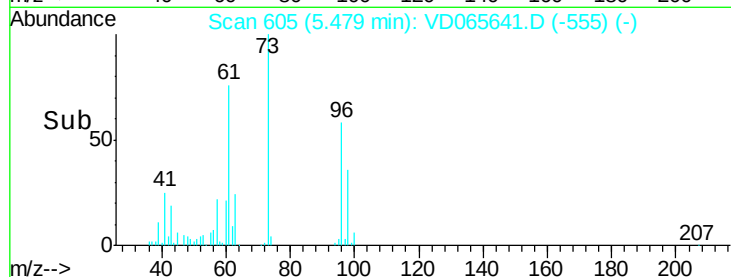
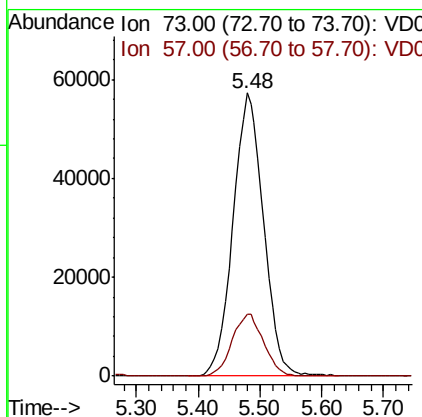
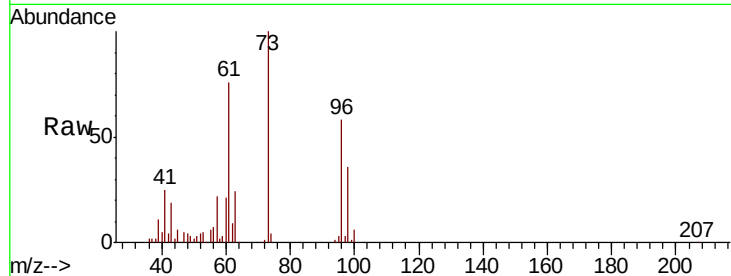




#19
Methyl tert-butyl Ether
Concen: 46.144 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

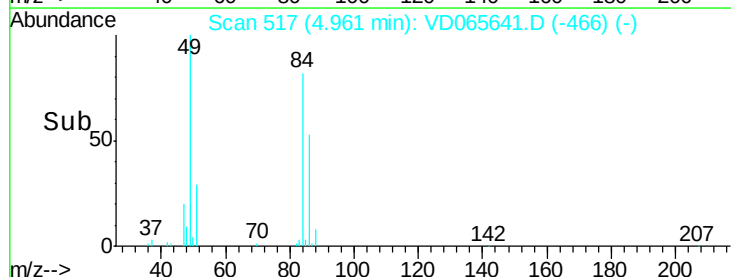
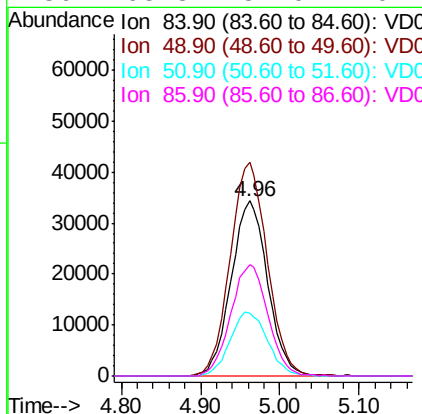
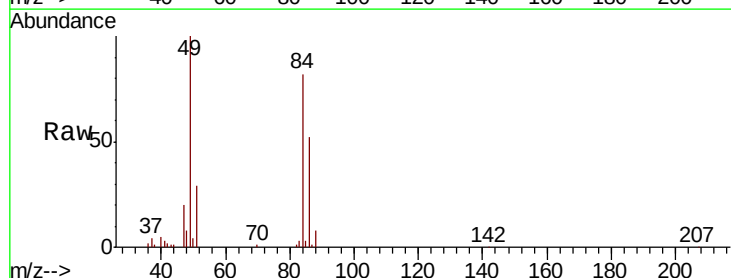
Instrument :
MSVOA_D
ClientSampleId :

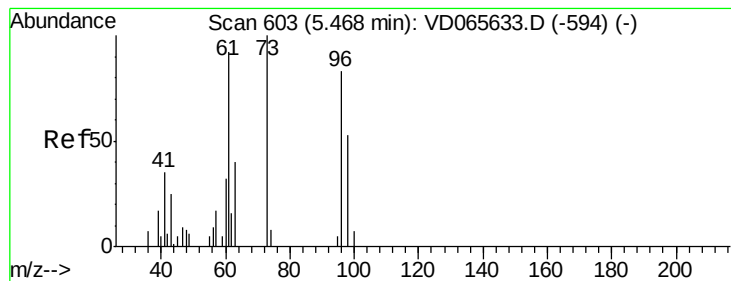
Tot Ion: 73 Resp: 196591
Ion Ratio Lower Upper
73 100
57 21.9 17.8 26.8



#20
Methylene Chloride
Concen: 53.303 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Tgt Ion: 84 Resp: 109428
Ion Ratio Lower Upper
84 100
49 122.0 102.0 153.0
51 35.5 30.8 46.2
86 63.8 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 48.096 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

ClientSampleId :

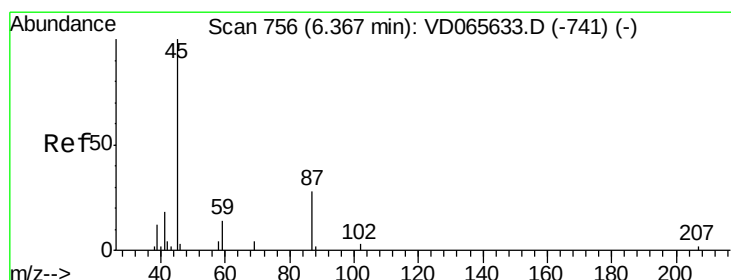
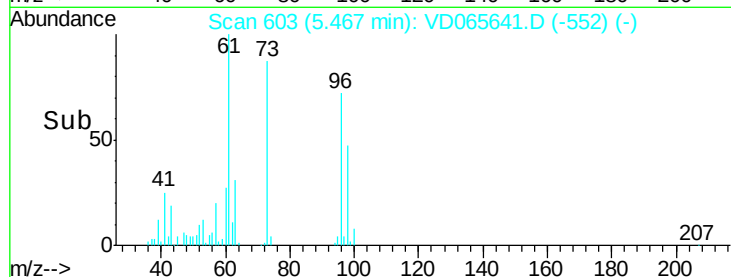
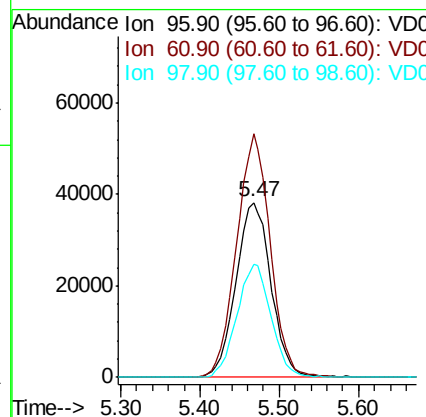
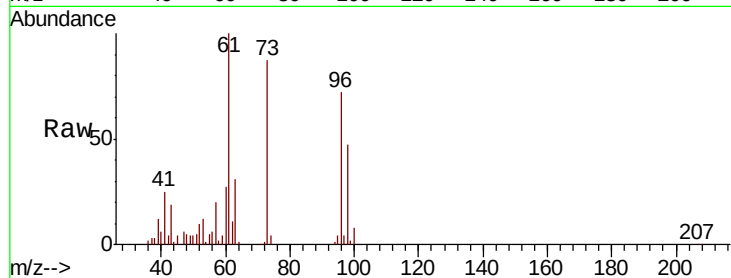
Tot Ion: 96 Resp: 116923

Ion Ratio Lower Upper

96 100

61 139.0 102.6 153.8

98 64.7 49.4 74.0



#22

Diisopropyl ether

Concen: 44.635 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Tgt Ion: 45 Resp: 309931

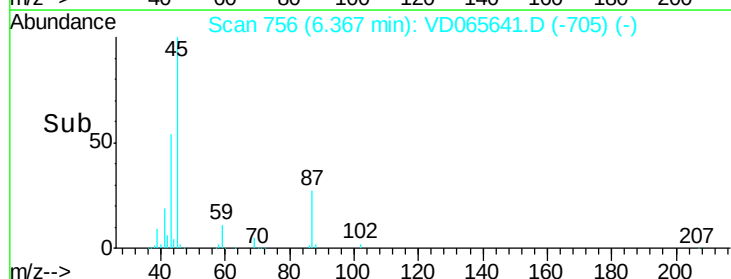
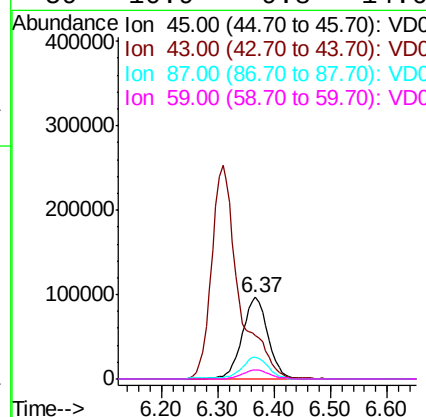
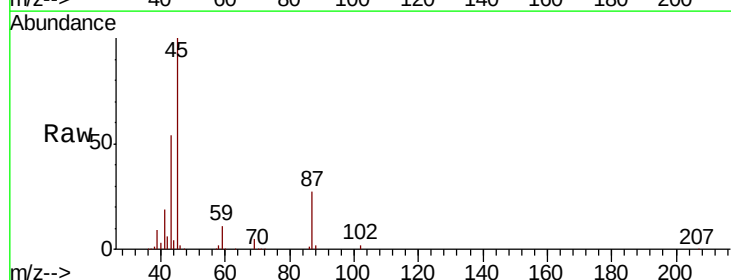
Ion Ratio Lower Upper

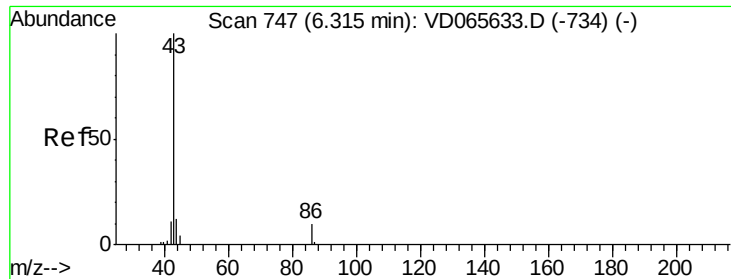
45 100

43 53.5 42.2 63.2

87 27.4 22.1 33.1

59 10.9 9.8 14.6





#23

Vinyl Acetate

Concen: 209.444 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

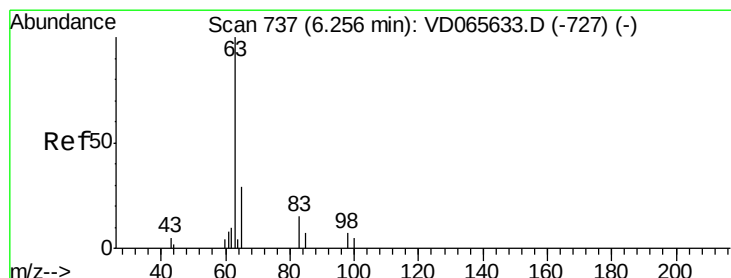
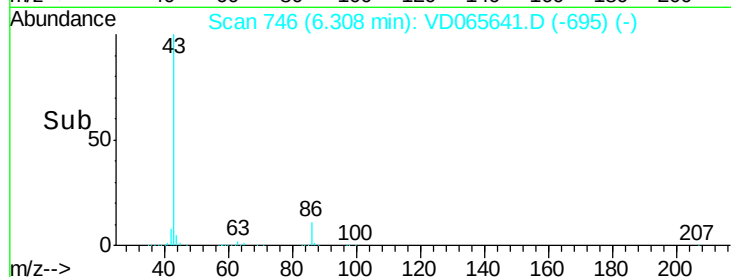
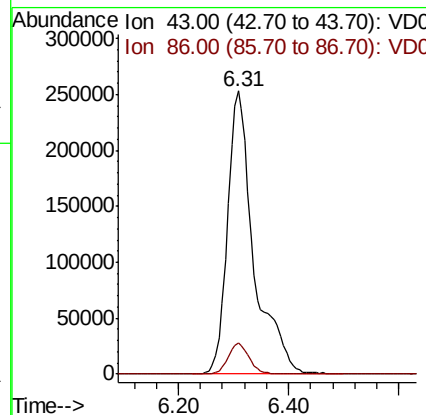
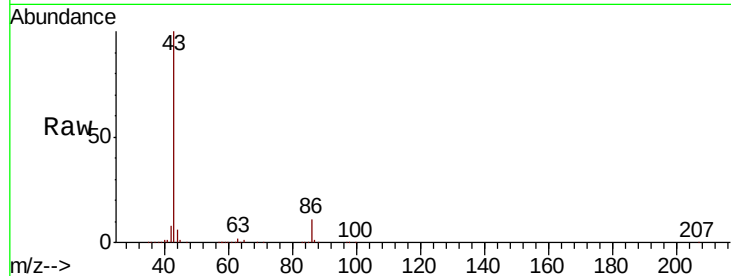
ClientSampleId :

Tot Ion: 43 Resp: 845109

Ion Ratio Lower Upper

43 100

86 11.0 8.7 13.1



#24

1,1-Dichloroethane

Concen: 43.939 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

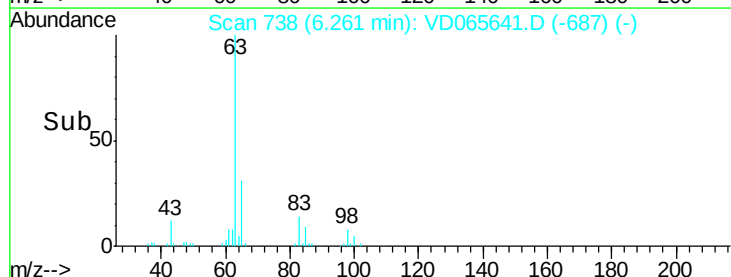
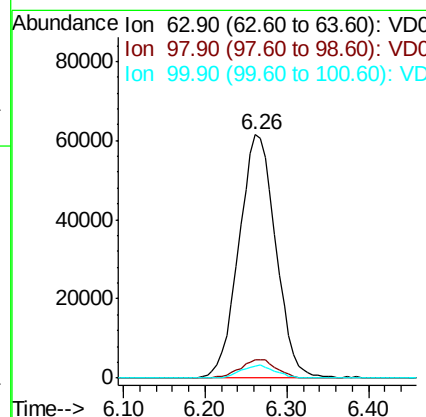
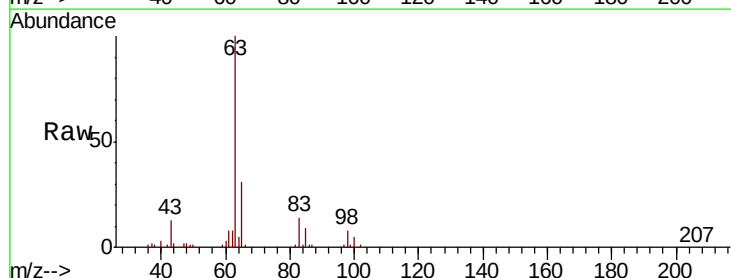
Tgt Ion: 63 Resp: 192759

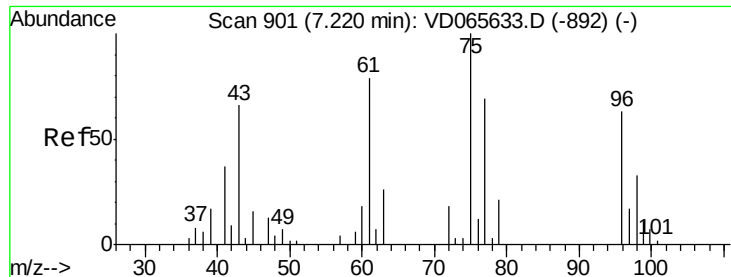
Ion Ratio Lower Upper

63 100

98 7.6 3.6 10.8

100 4.7 2.4 7.2





#25

2-Butanone

Concen: 231.472 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

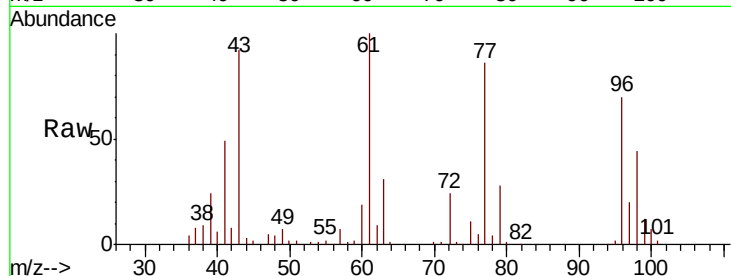
ClientSampleId :

Tot Ion: 43 Resp: 137060

Ion Ratio Lower Upper

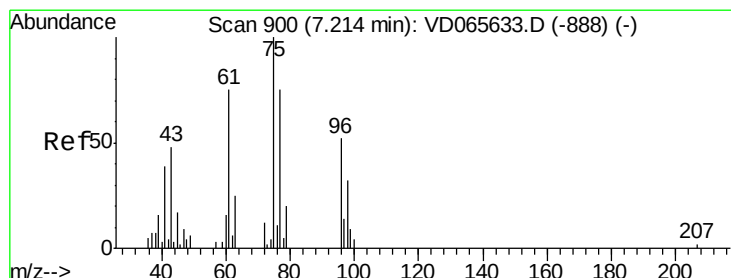
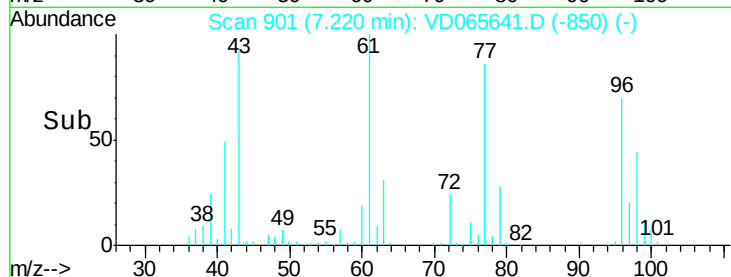
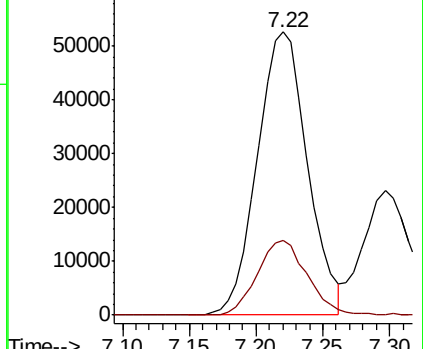
43 100

72 26.4 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 45.098 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD065641.D

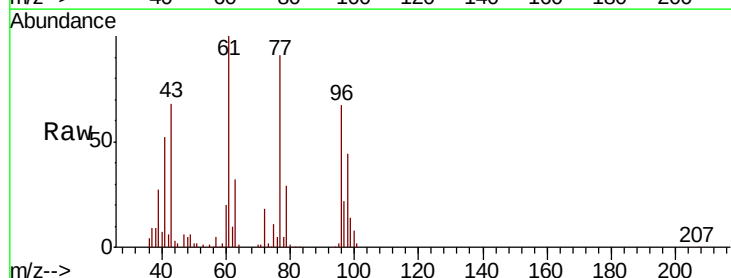
Acq: 17 Apr 2020 13:16

Tgt Ion: 77 Resp: 172441

Ion Ratio Lower Upper

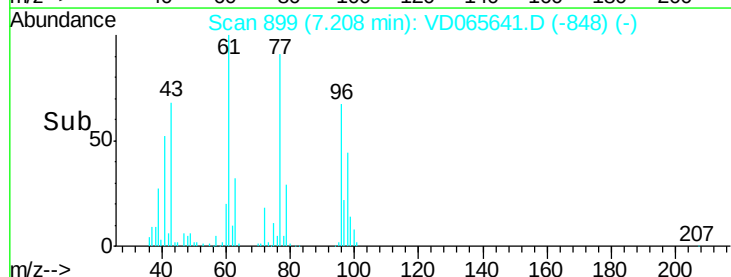
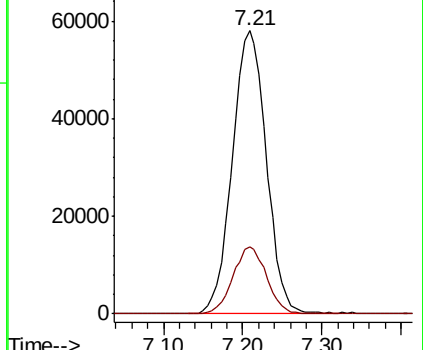
77 100

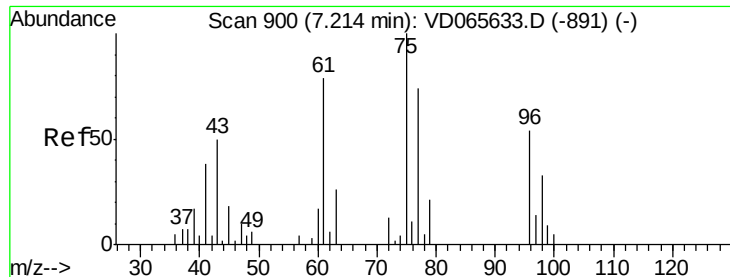
97 23.3 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



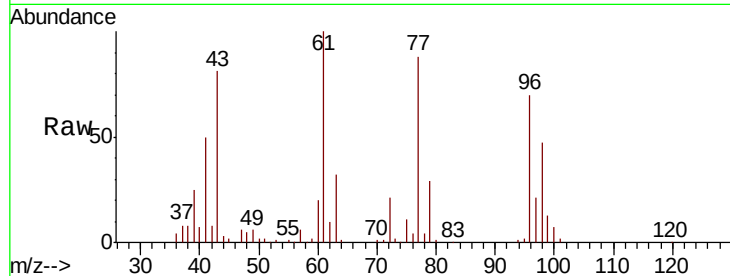


#27

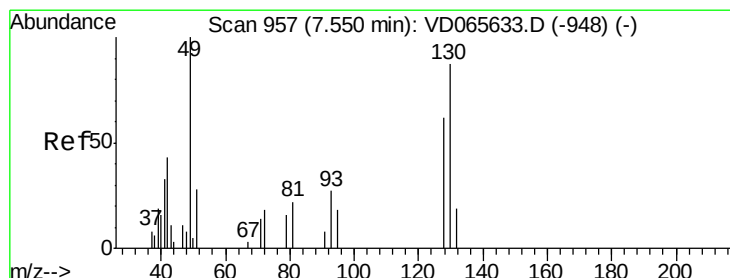
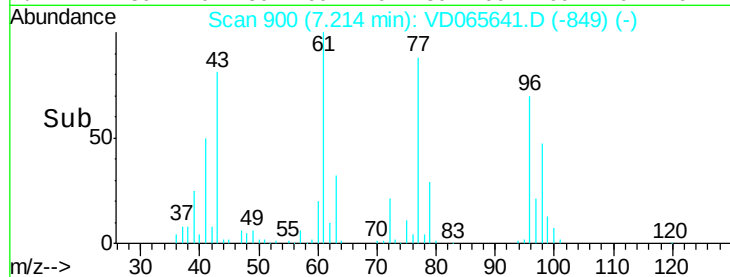
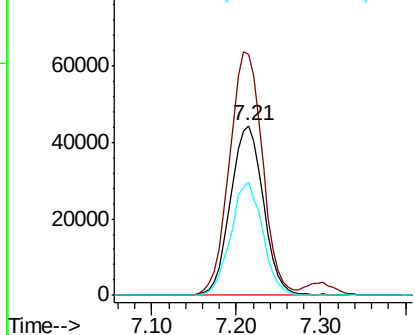
cis-1,2-Dichloroethene
Concen: 44.210 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 96 Resp: 119233
Ion Ratio Lower Upper
96 100
61 144.4 0.0 286.2
98 64.3 0.0 128.0



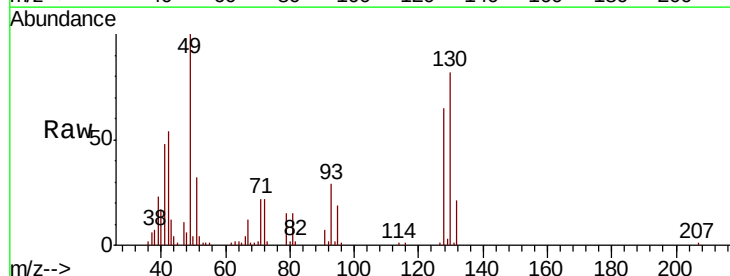
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



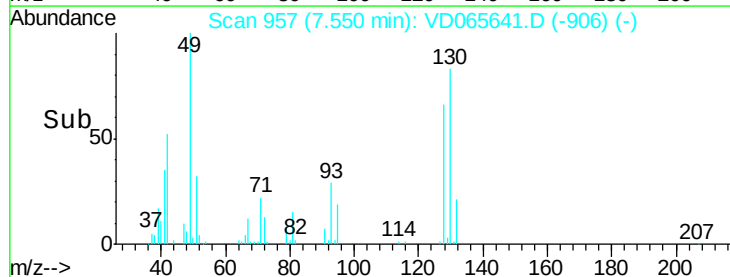
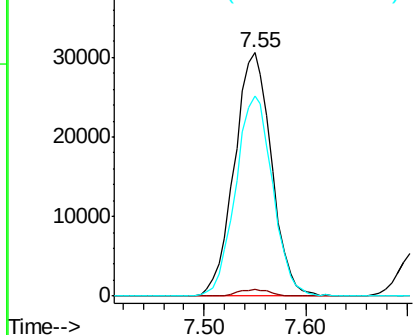
#28

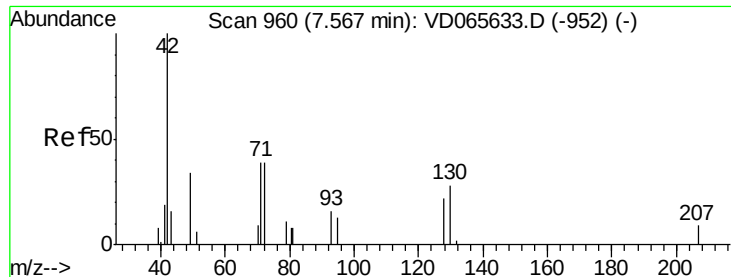
Bromochloromethane
Concen: 44.216 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Tgt Ion: 49 Resp: 77470
Ion Ratio Lower Upper
49 100
129 2.3 0.0 4.2
130 82.2 66.2 99.2



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

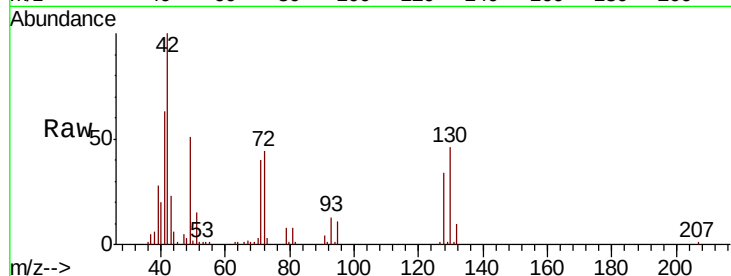




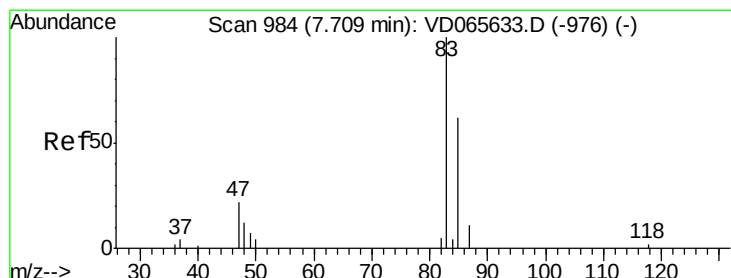
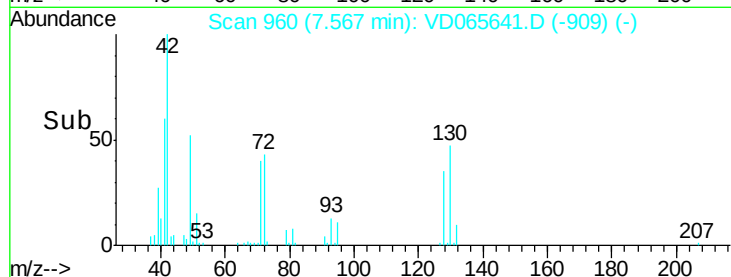
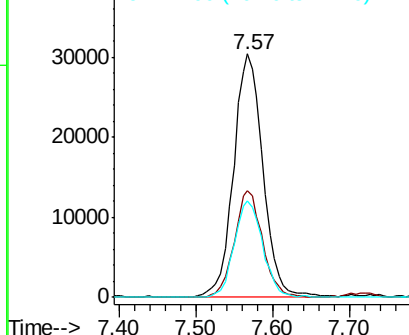
#29
Tetrahydrofuran
Concen: 217.100 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 81565
Ion Ratio Lower Upper
42 100
72 41.7 34.4 51.6
71 38.0 31.4 47.0

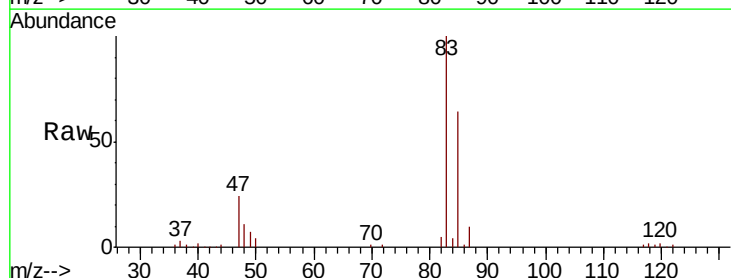


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

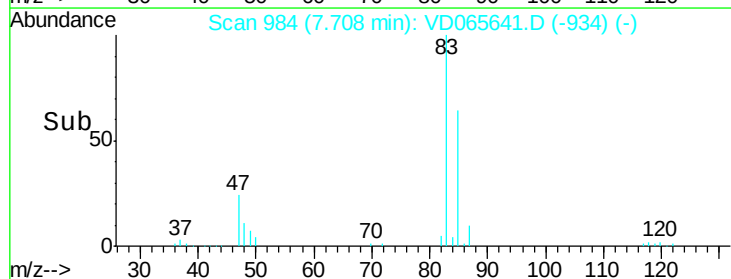
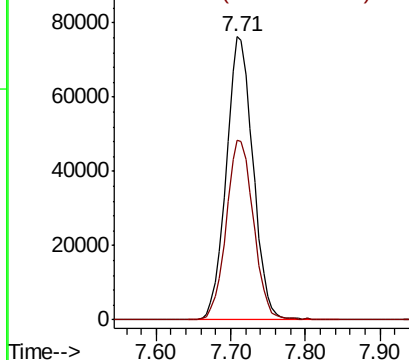


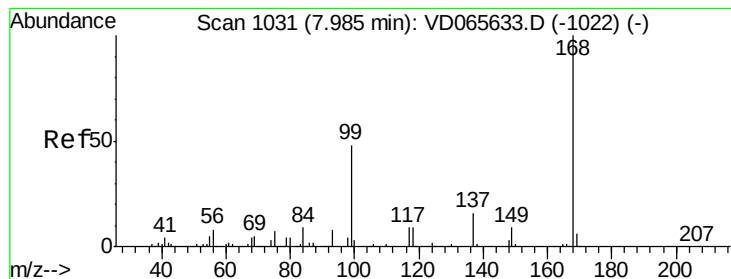
#30
Chloroform
Concen: 42.482 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Tgt Ion: 83 Resp: 190737
Ion Ratio Lower Upper
83 100
85 63.6 52.6 78.8



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





#31

Cyclohexane

Concen: 44.410 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

ClientSampleId :

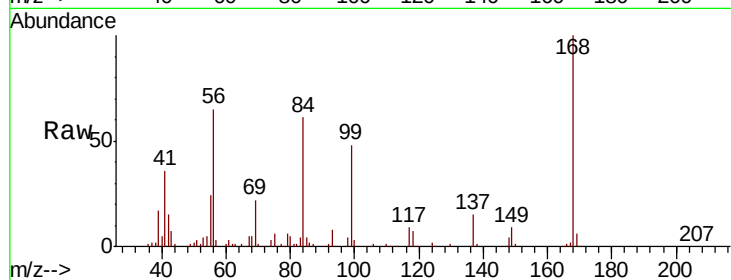
Tot Ion: 56 Resp: 185586

Ion Ratio Lower Upper

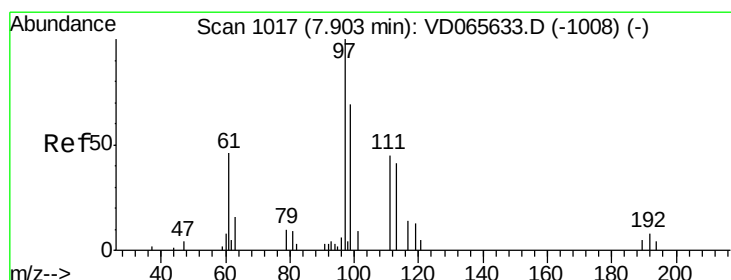
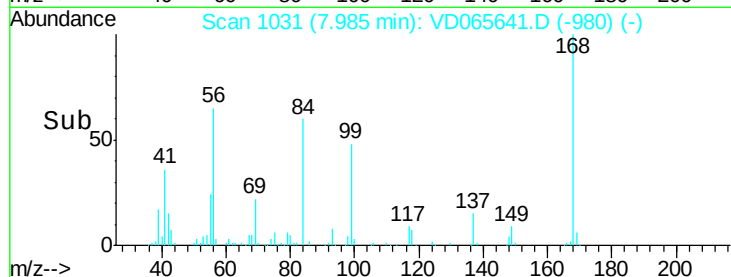
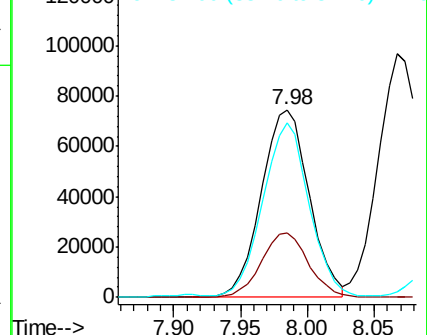
56 100

69 34.2 26.6 40.0

84 91.3 75.3 112.9



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: 44.420 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

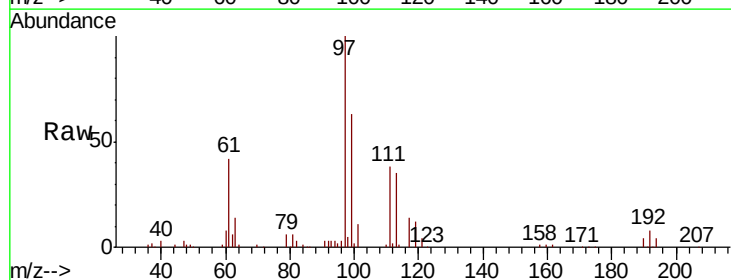
Tgt Ion: 97 Resp: 179320

Ion Ratio Lower Upper

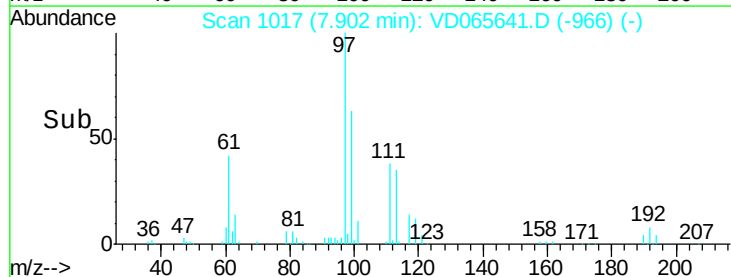
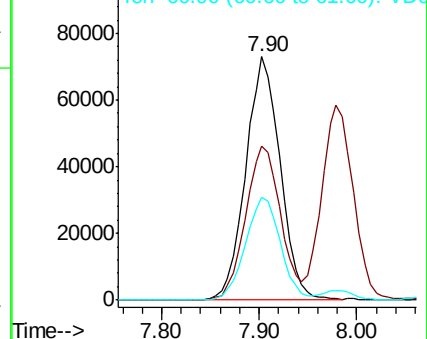
97 100

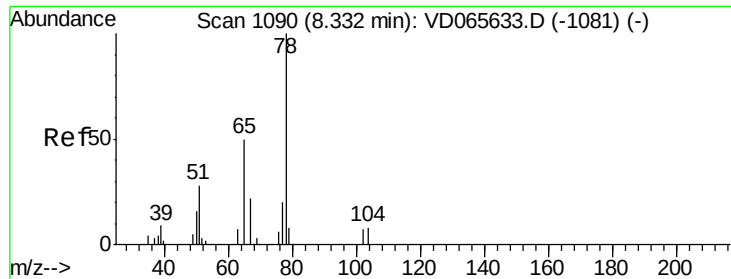
99 64.5 51.5 77.3

61 42.9 34.8 52.2



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

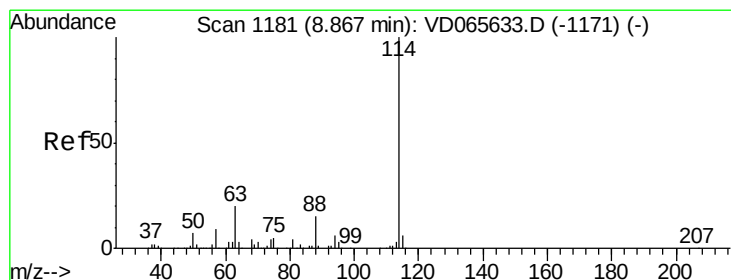
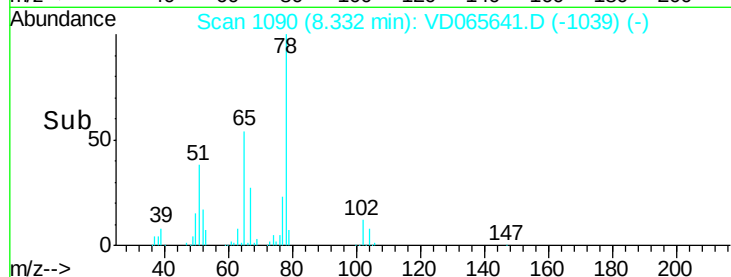
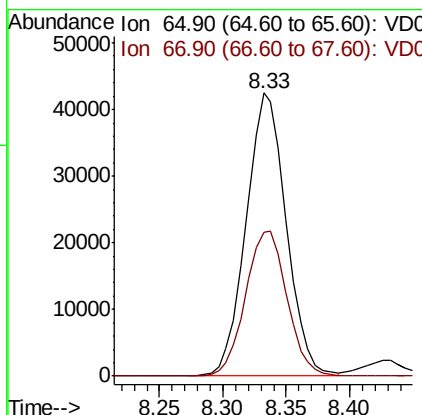
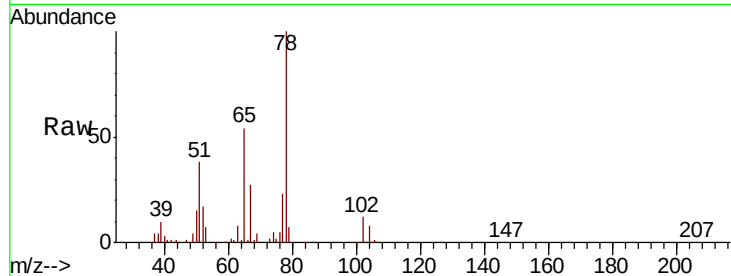




#33
 1,2-Dichloroethane-d4
 Concen: 42.136 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD065641.D
 Acq: 17 Apr 2020 13:16

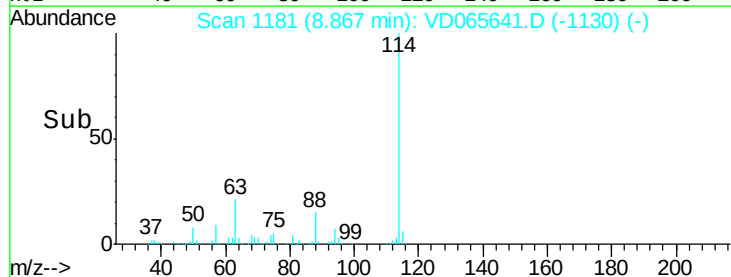
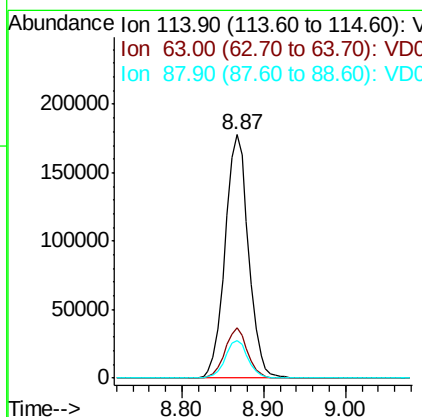
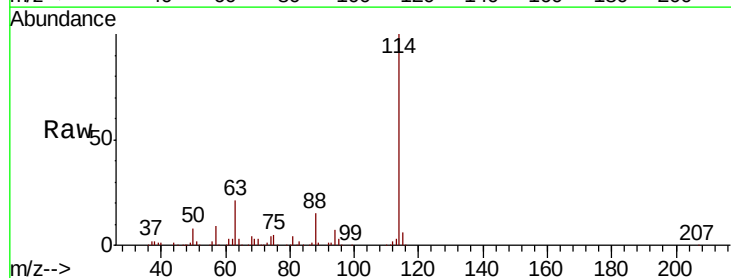
Instrument :
 MSVOA_D
 ClientSampleId :

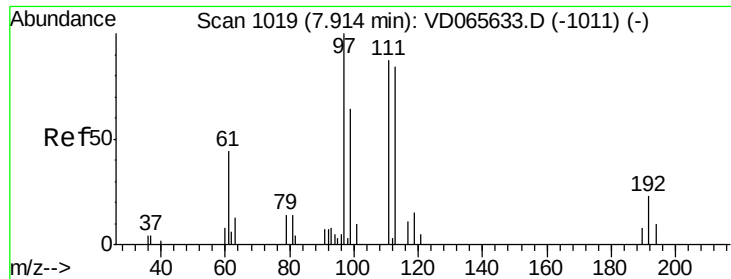
Tot Ion: 65 Resp: 93499
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065641.D
 Acq: 17 Apr 2020 13:16

Tgt Ion: 114 Resp: 355122
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 40.8
 88 15.2 0.0 31.6

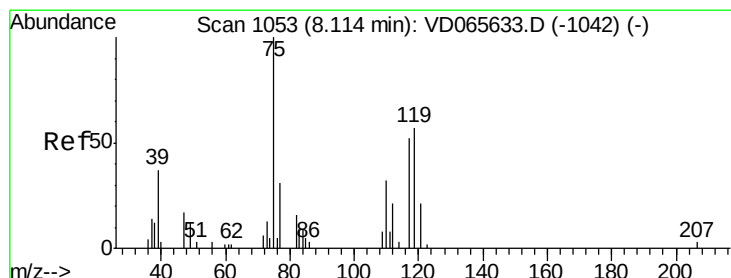
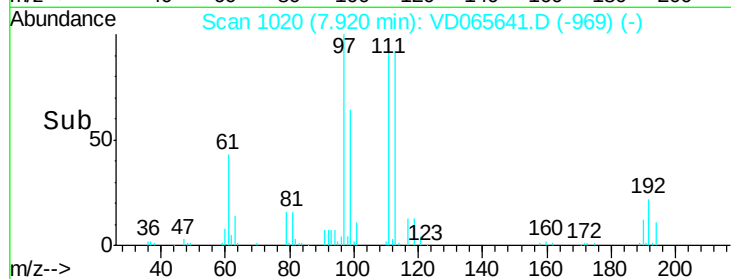
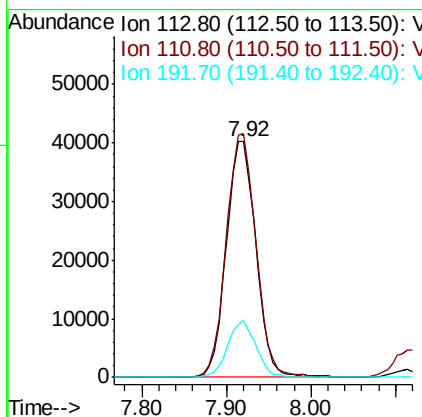
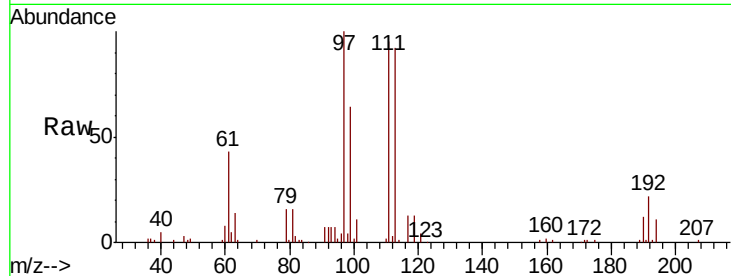




#35
 Dibromofluoromethane
 Concen: 44.031 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065641.D
 Acq: 17 Apr 2020 13:16

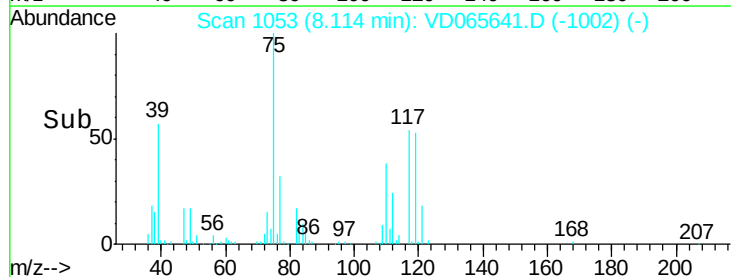
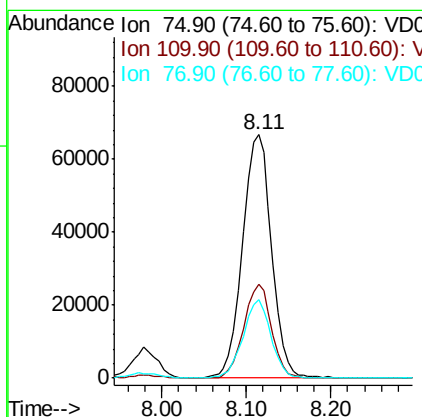
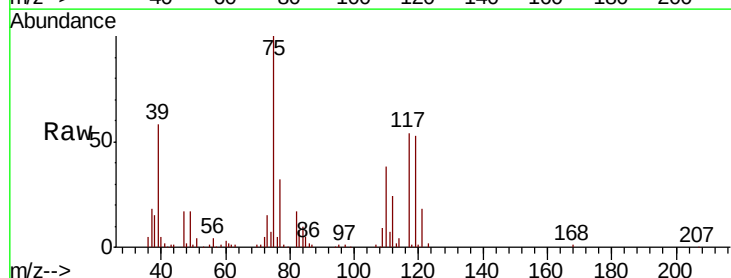
Instrument :
 MSVOA_D
 ClientSampleId :

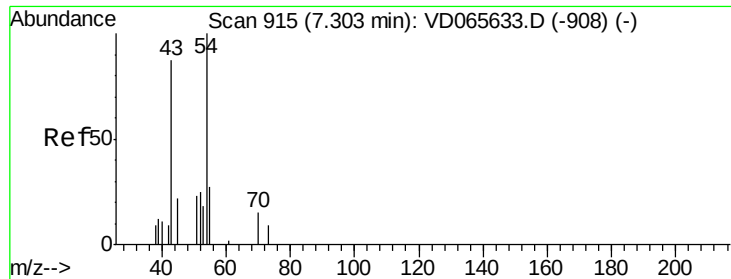
Tot Ion:113 Resp: 97316
 Ion Ratio Lower Upper
 113 100
 111 103.4 81.9 122.9
 192 22.8 18.9 28.3



#36
 1,1-Dichloropropene
 Concen: 46.582 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065641.D
 Acq: 17 Apr 2020 13:16

Tgt Ion: 75 Resp: 159730
 Ion Ratio Lower Upper
 75 100
 110 36.7 18.3 54.8
 77 30.9 24.6 37.0

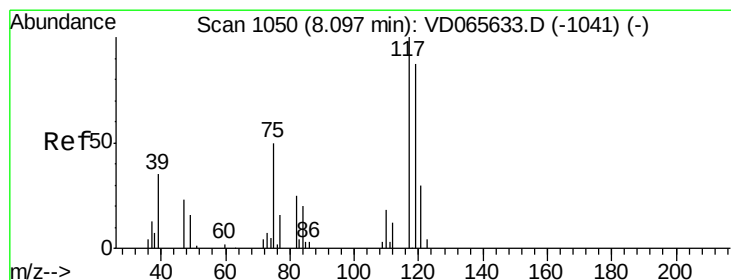
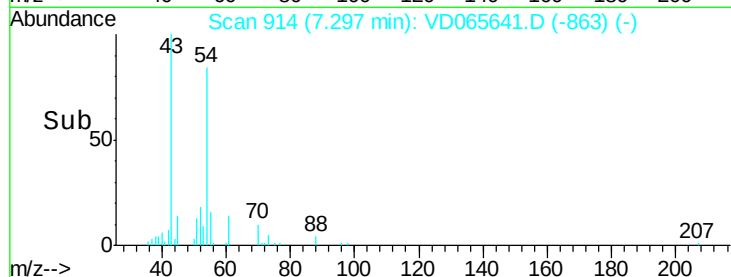
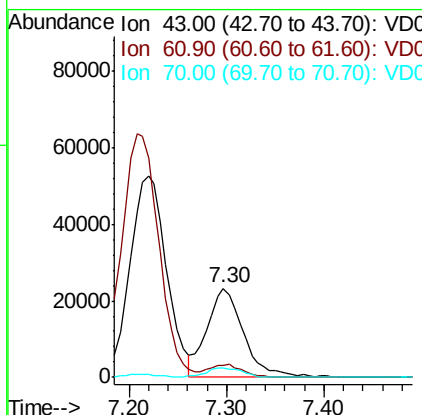
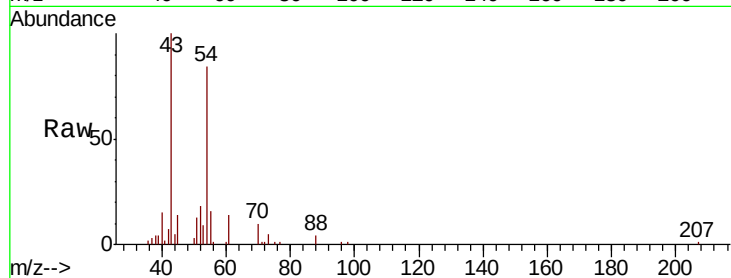




#37
Ethyl Acetate
Concen: 43.759 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

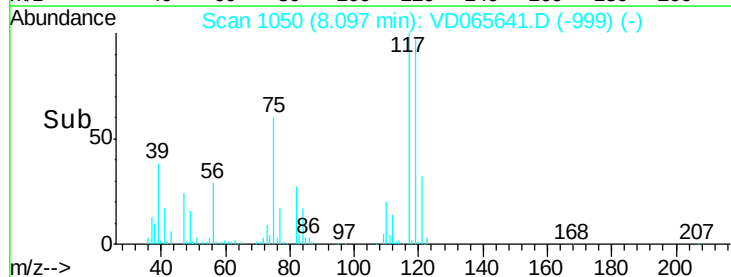
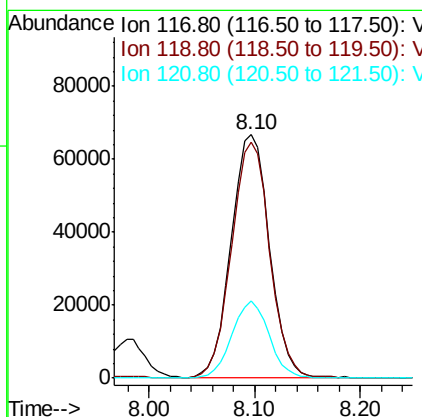
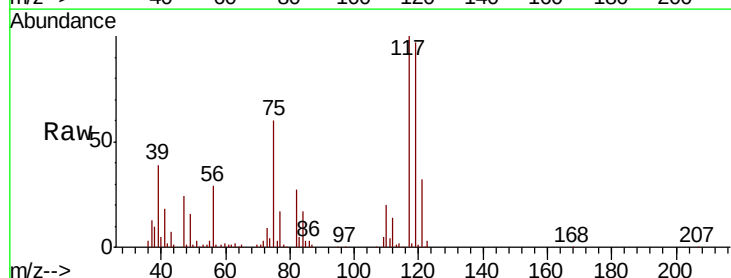
Instrument :
MSVOA_D
ClientSampleId :

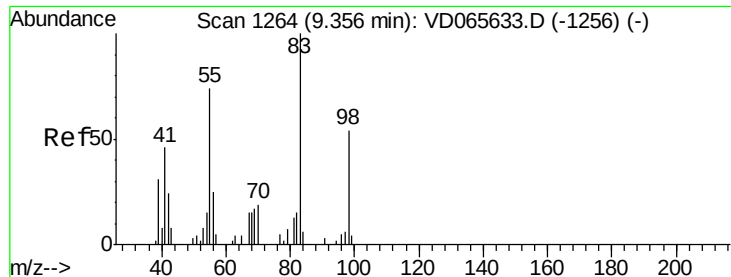
Tot Ion: 43 Resp: 59839
Ion Ratio Lower Upper
43 100
61 14.5 10.9 16.3
70 10.3 7.9 11.9



#38
Carbon Tetrachloride
Concen: 45.891 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Tgt Ion: 117 Resp: 168558
Ion Ratio Lower Upper
117 100
119 96.7 75.3 112.9
121 31.6 24.9 37.3

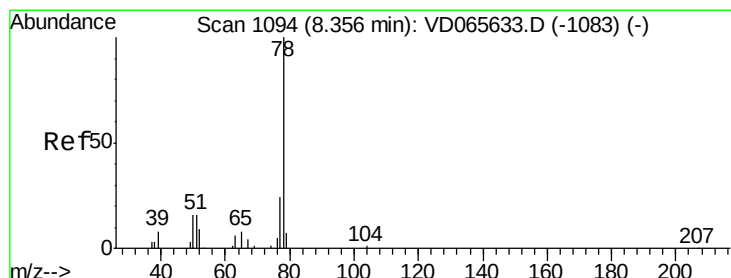
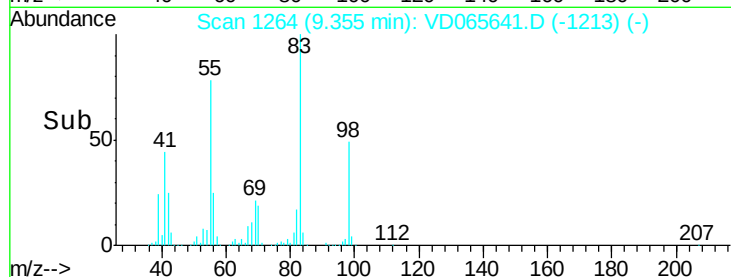
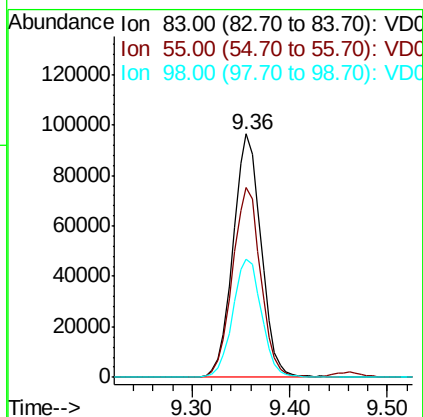
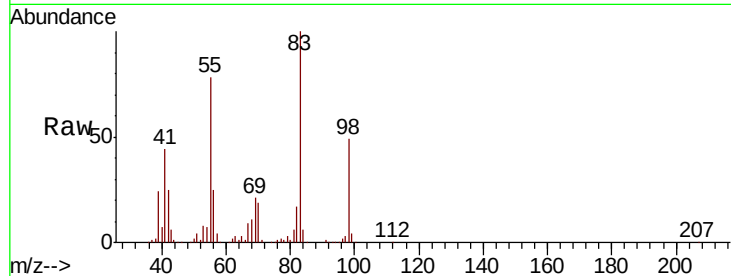




#39
Methylvlcyclohexane
Concen: 48.433 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

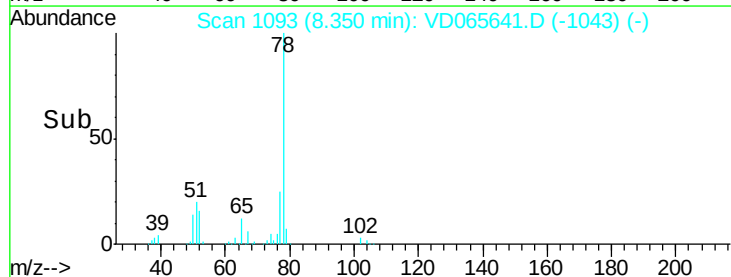
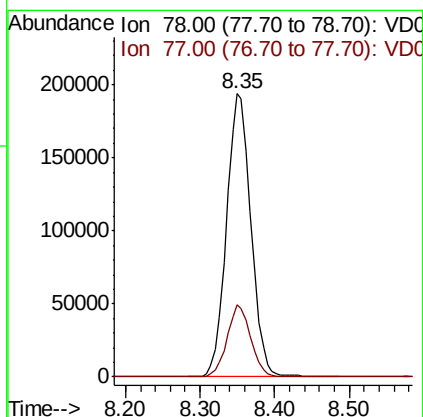
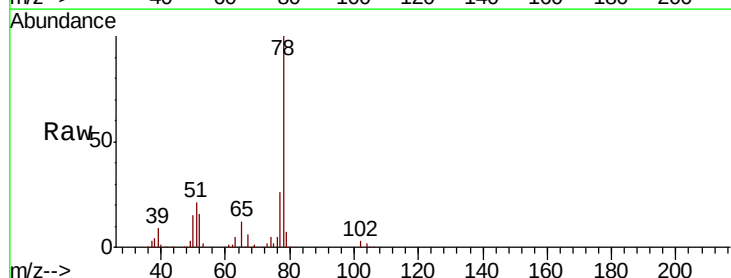
Instrument :
MSVOA_D
ClientSampleId :

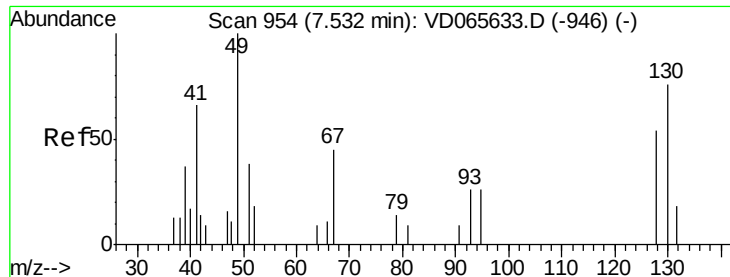
Tot Ion: 83 Resp: 193259
Ion Ratio Lower Upper
83 100
55 78.2 62.3 93.5
98 48.8 40.5 60.7



#40
Benzene
Concen: 44.721 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Tgt Ion: 78 Resp: 440899
Ion Ratio Lower Upper
78 100
77 25.6 18.9 28.3

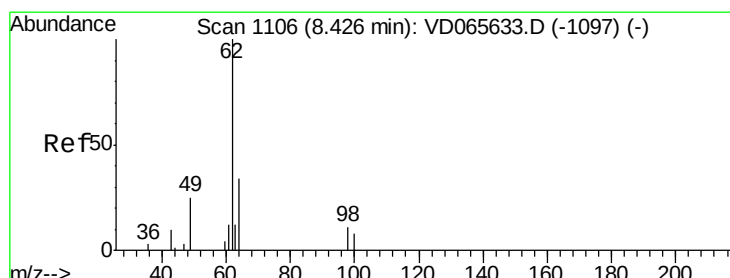
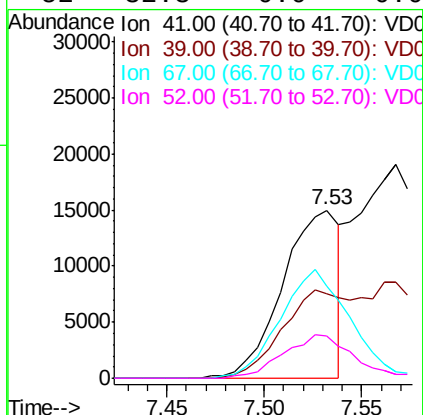
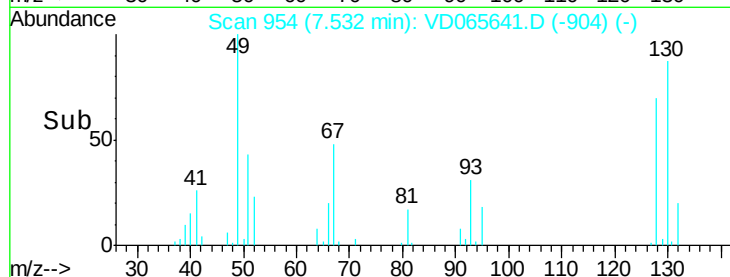
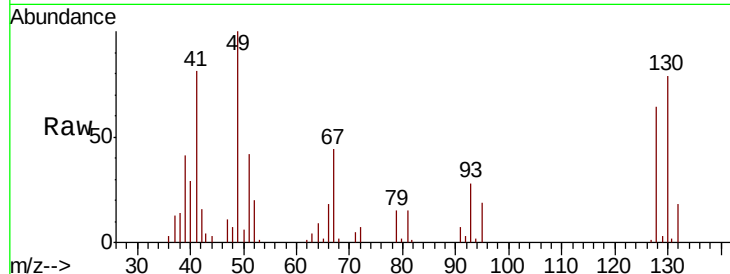




#41
Methacrylonitrile
Concen: 44.744 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.01 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

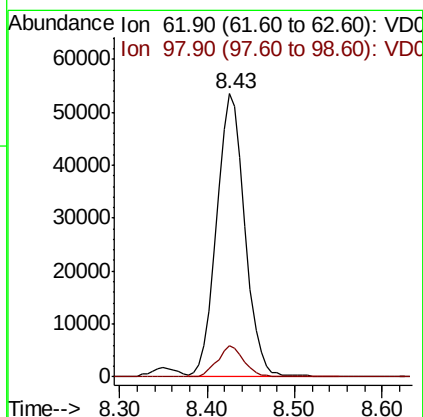
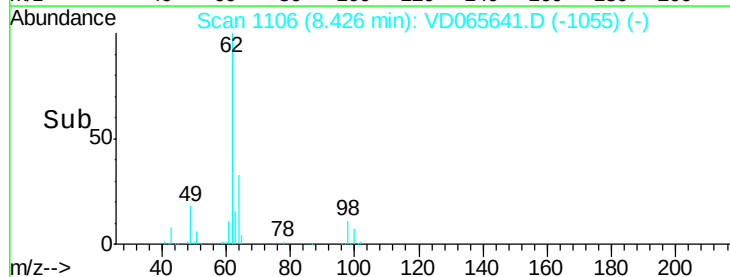
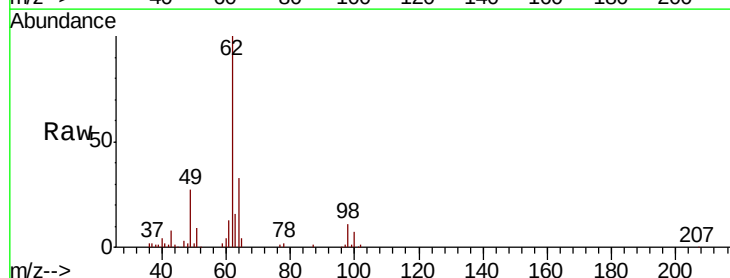
Instrument :
MSVOA_D
ClientSampled :

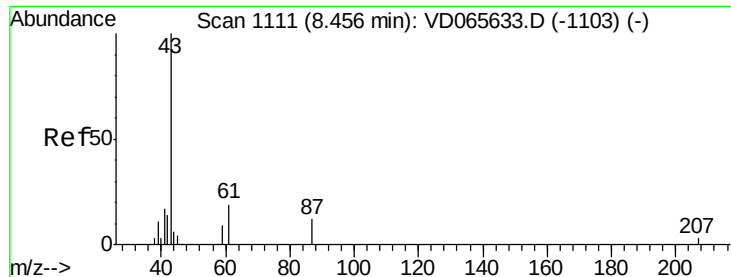
Tot Ion: 41 Resp: 30304
Ion Ratio Lower Upper
41 100
39 60.4 0.0 0.0#
67 78.7 0.0 0.0#
52 32.3 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 44.340 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Tgt Ion: 62 Resp: 119804
Ion Ratio Lower Upper
62 100
98 10.1 0.0 20.6





#43

Isopropyl Acetate

Concen: 43.280 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

ClientSampleId :

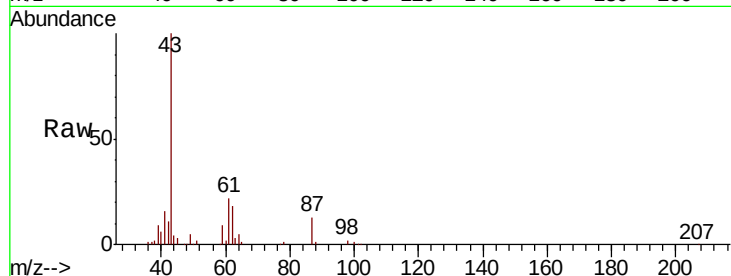
Tot Ion: 43 Resp: 106576

Ion Ratio Lower Upper

43 100

61 32.0 25.0 37.6

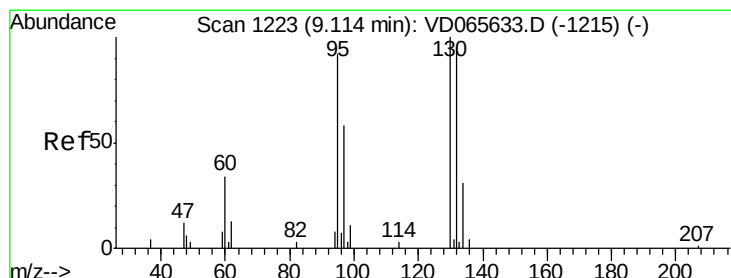
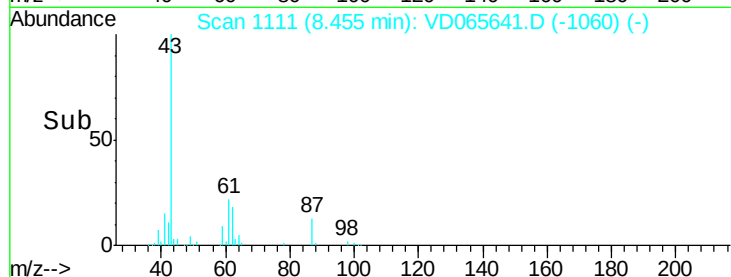
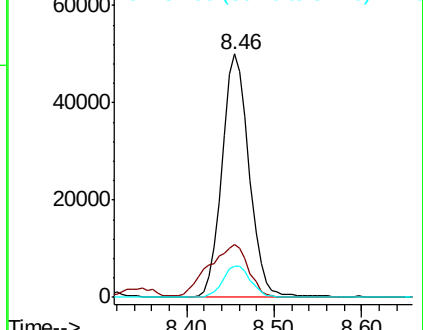
87 13.1 9.9 14.9



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: 45.147 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065641.D

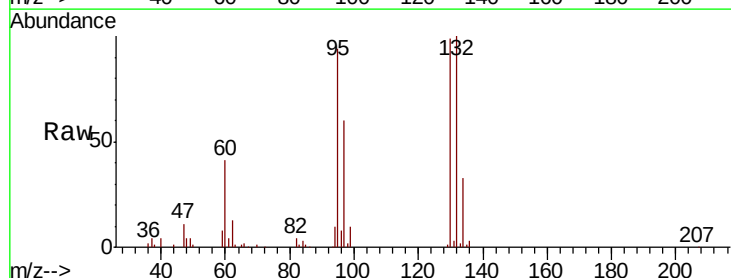
Acq: 17 Apr 2020 13:16

Tgt Ion: 130 Resp: 124594

Ion Ratio Lower Upper

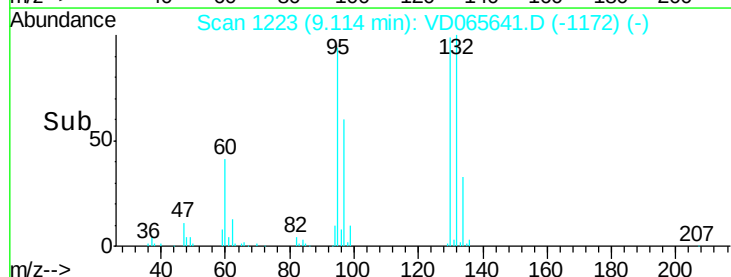
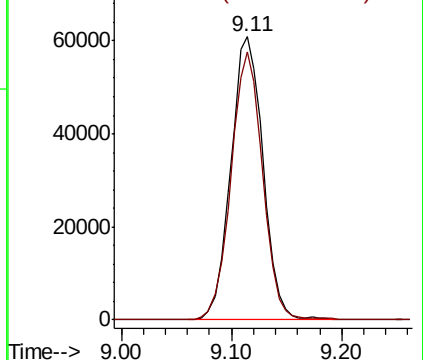
130 100

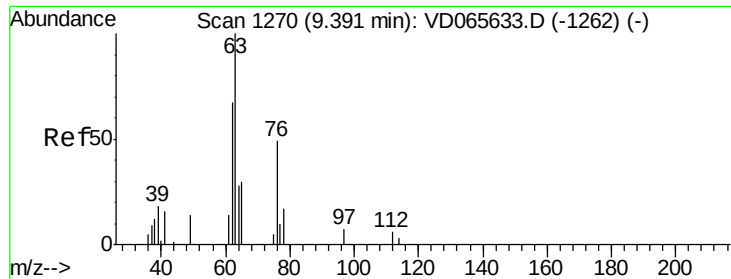
95 94.7 0.0 178.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 44.842 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

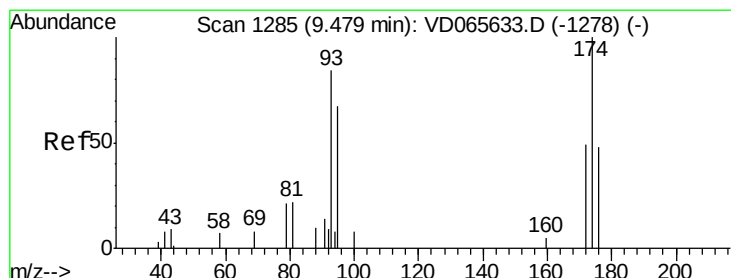
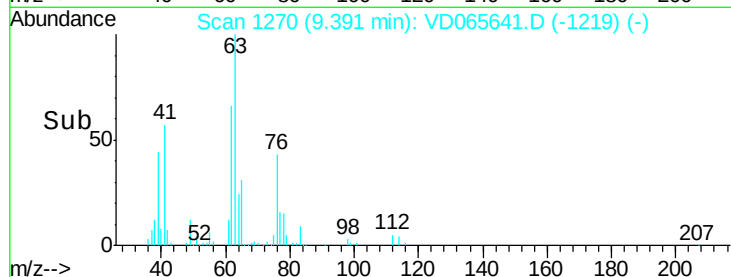
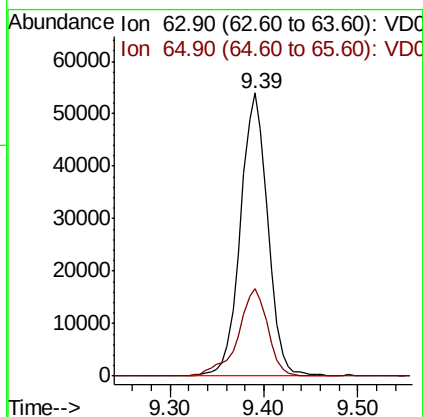
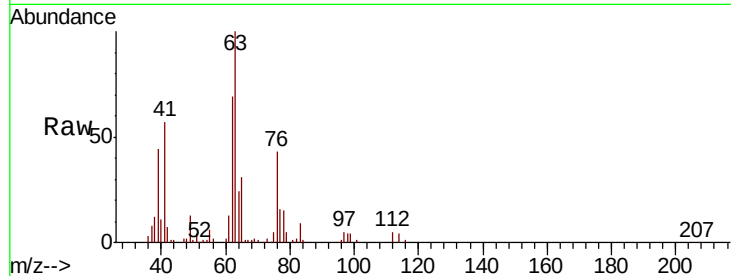
ClientSampled :

Tot Ion: 63 Resp: 108500

Ion Ratio Lower Upper

63 100

65 31.1 24.7 37.1



#46

Dibromomethane

Concen: 43.297 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

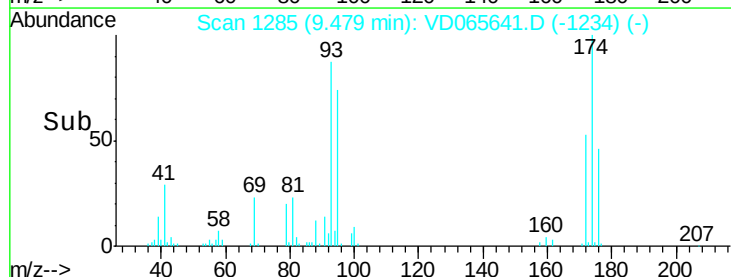
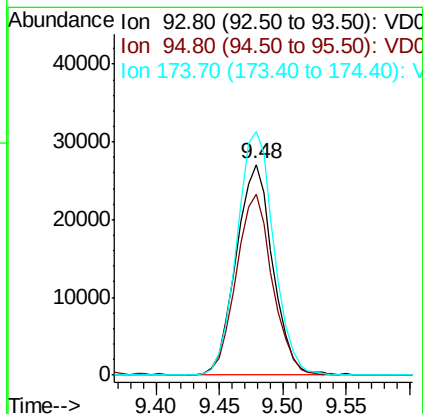
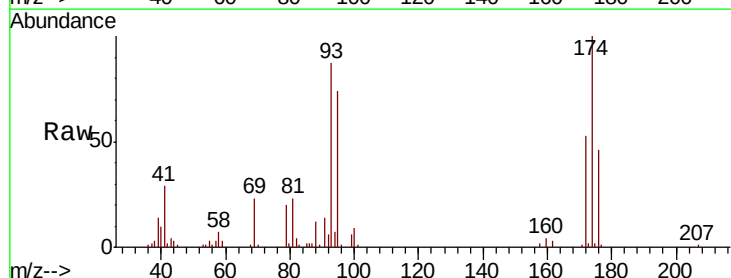
Tgt Ion: 93 Resp: 54175

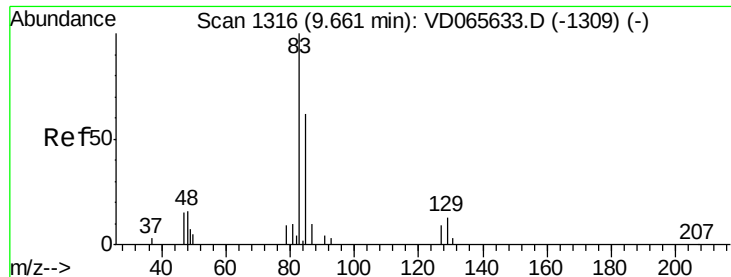
Ion Ratio Lower Upper

93 100

95 84.9 67.4 101.2

174 116.6 94.1 141.1





#47

Bromodichloromethane

Concen: 43.431 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

ClientSampleId :

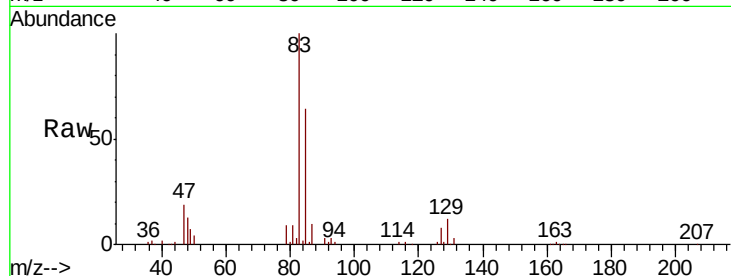
Tot Ion: 83 Resp: 144707

Ion Ratio Lower Upper

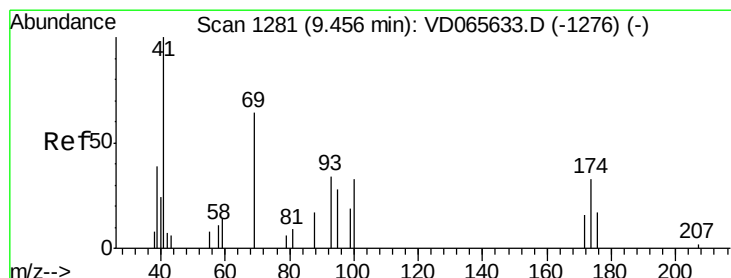
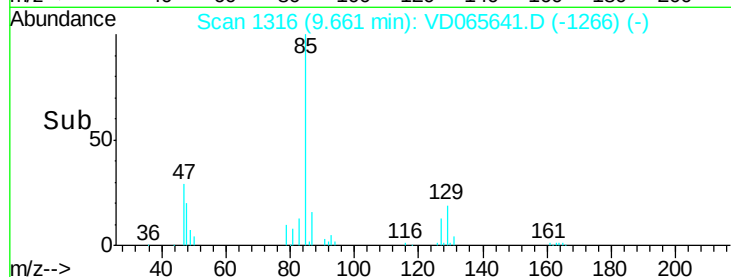
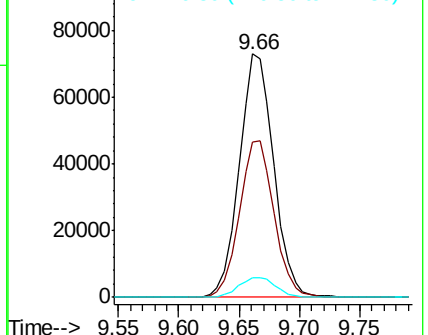
83 100

85 63.6 49.8 74.8

127 8.1 6.6 9.8



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



#48

Methyl methacrylate

Concen: 39.944 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

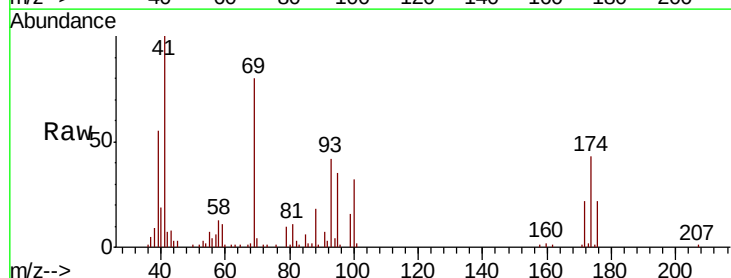
Tgt Ion: 41 Resp: 52145

Ion Ratio Lower Upper

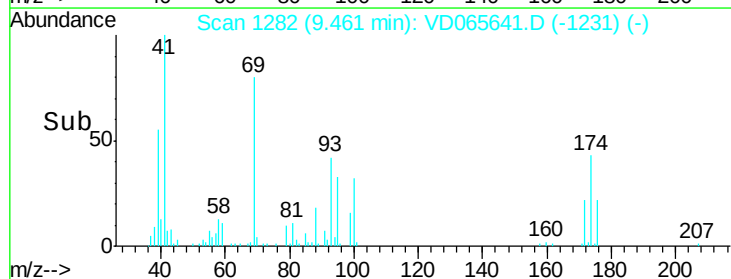
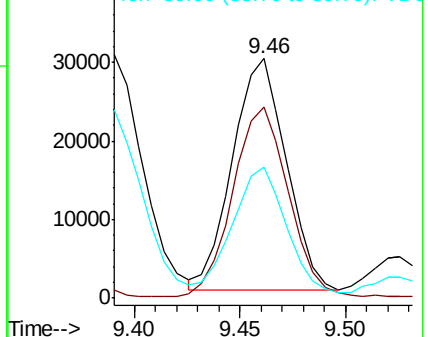
41 100

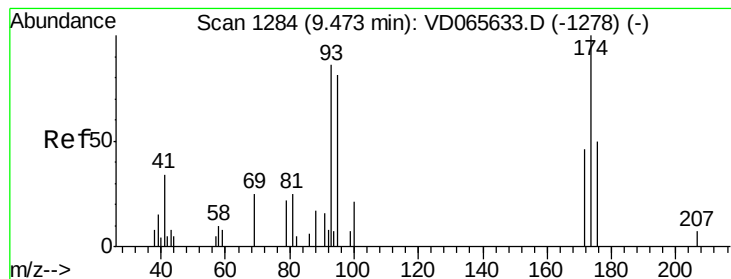
69 86.8 66.8 100.2

39 53.7 39.6 59.4



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: 813.783 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :
MSVOA_D
ClientSampled :

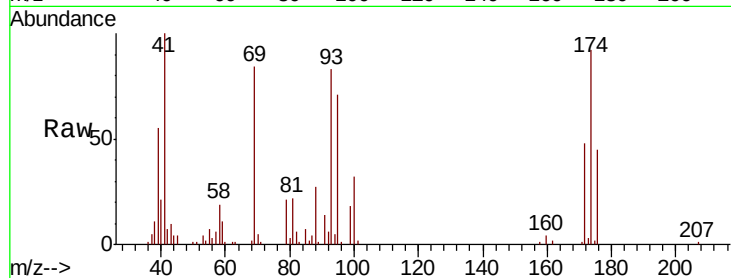
Tot Ion: 88 Resp: 12304

Ion Ratio Lower Upper

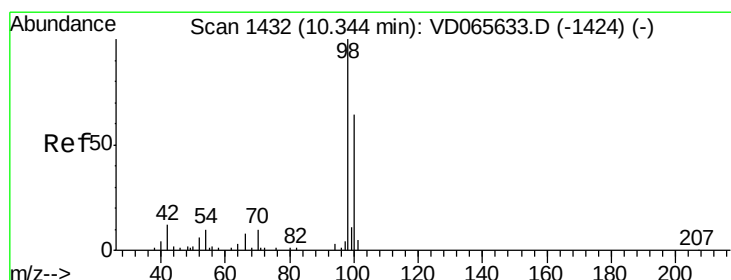
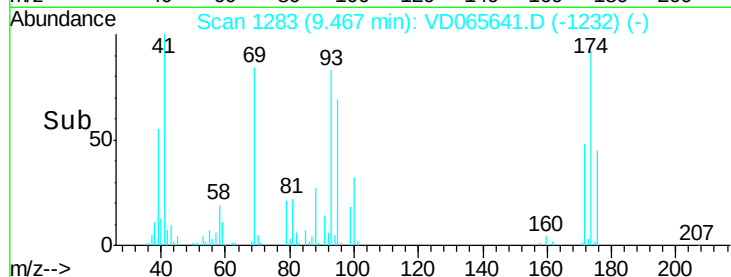
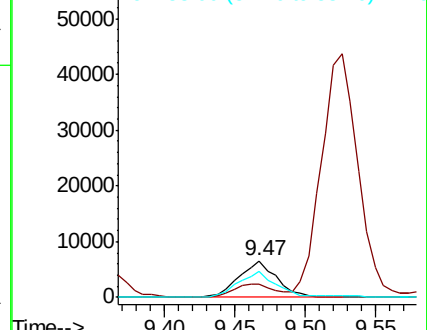
88 100

43 38.4 28.1 42.1

58 68.6 55.7 83.5



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: 46.341 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065641.D

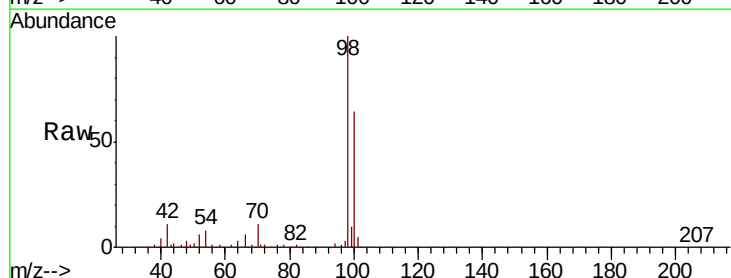
Acq: 17 Apr 2020 13:16

Tgt Ion: 98 Resp: 377561

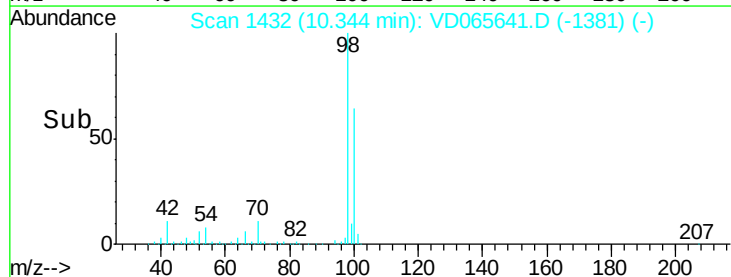
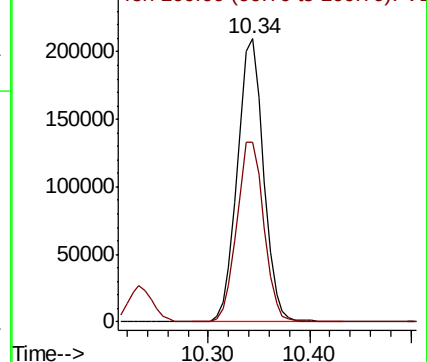
Ion Ratio Lower Upper

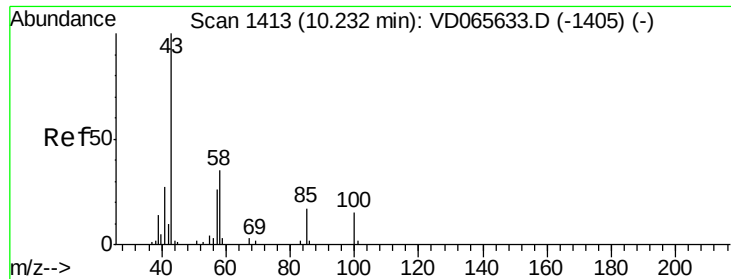
98 100

100 65.8 52.4 78.6



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

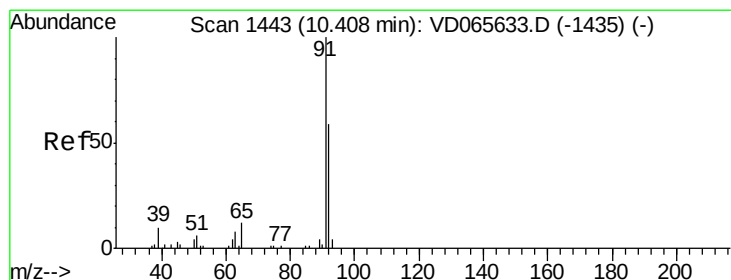
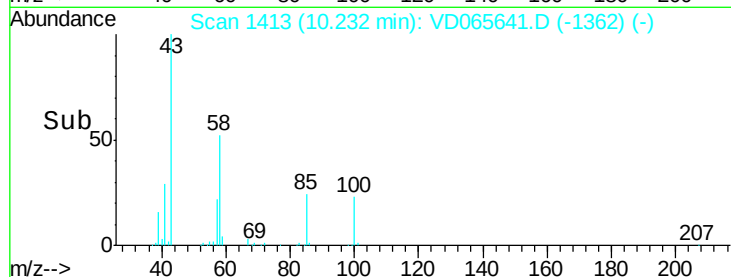
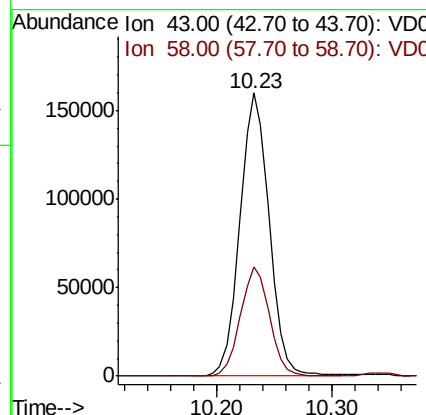
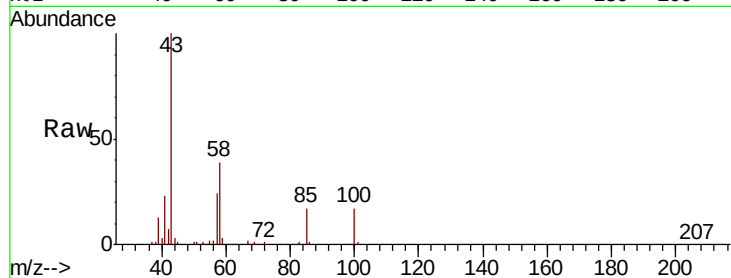




#51
 4-Methyl-2-Pentanone
 Concen: 205.702 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: VD065641.D
 Acq: 17 Apr 2020 13:16

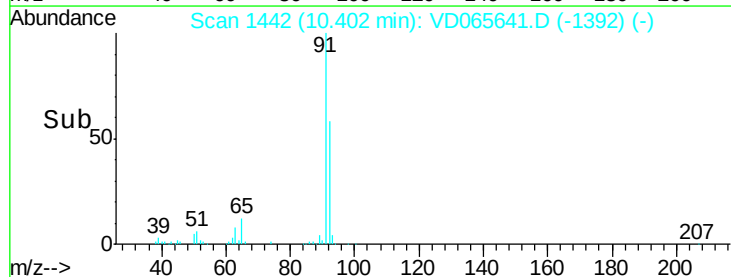
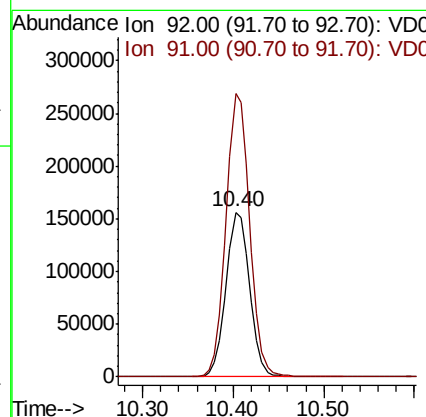
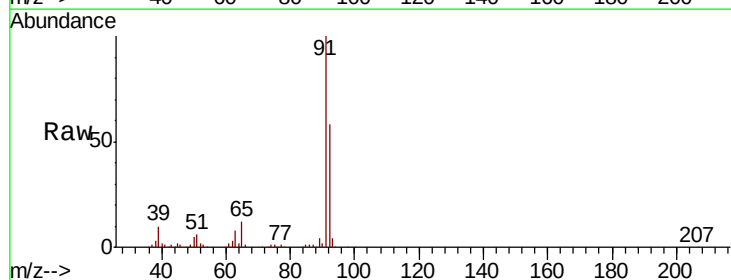
Instrument :
 MSVOA_D
 ClientSampleId :

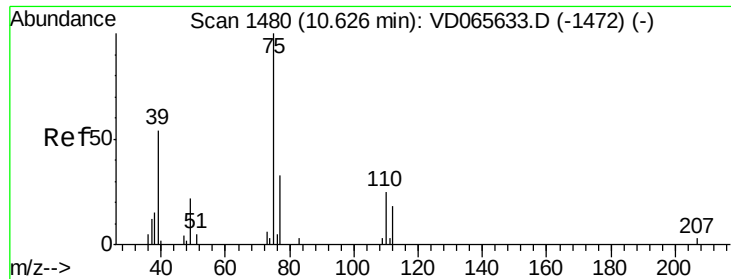
Tot Ion: 43 Resp: 280362
 Ion Ratio Lower Upper
 43 100
 58 38.3 31.1 46.7



#52
 Toluene
 Concen: 46.623 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: VD065641.D
 Acq: 17 Apr 2020 13:16

Tgt Ion: 92 Resp: 283358
 Ion Ratio Lower Upper
 92 100
 91 171.8 136.6 205.0

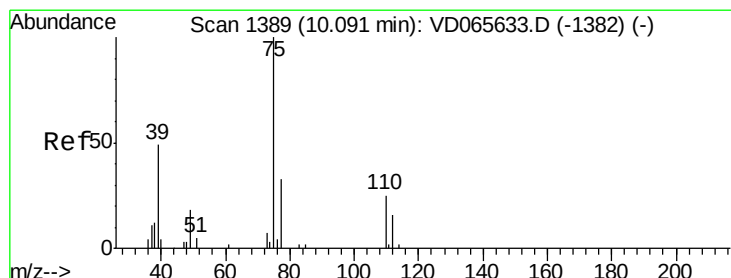
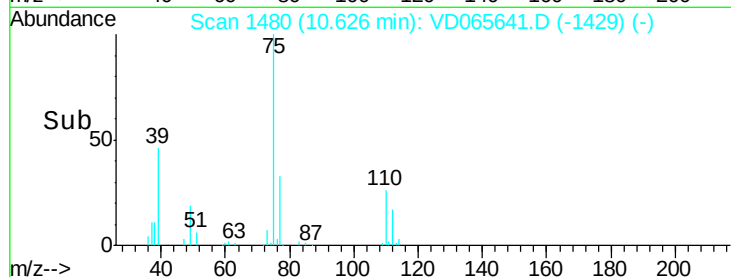
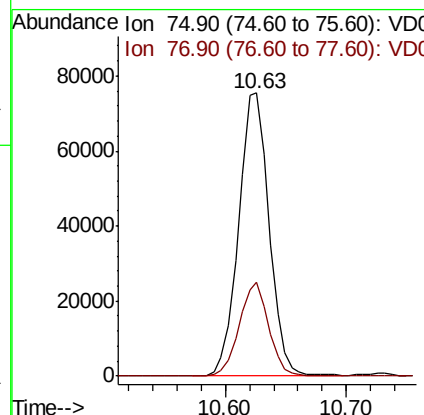
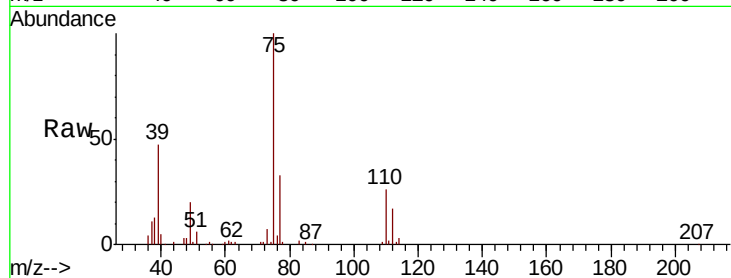




#53
t-1,3-Dichloropropene
Concen: 43.570 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

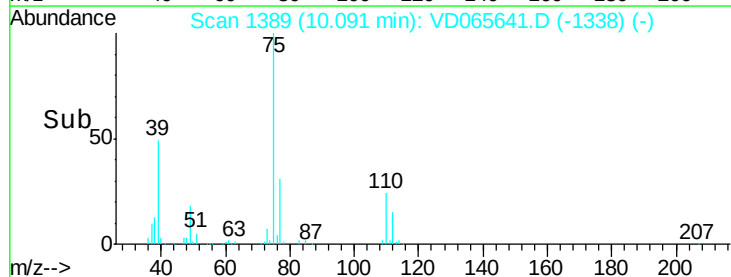
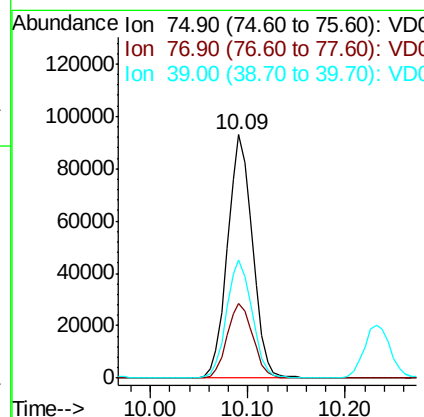
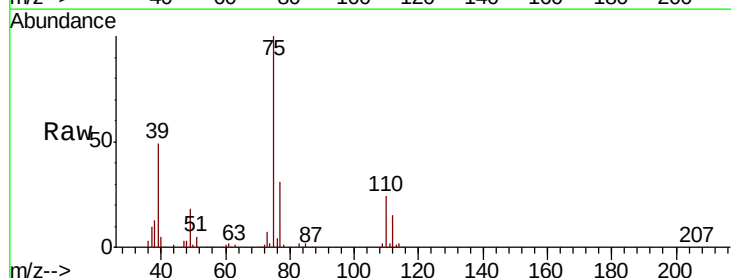
Instrument :
MSVOA_D
ClientSampleId :

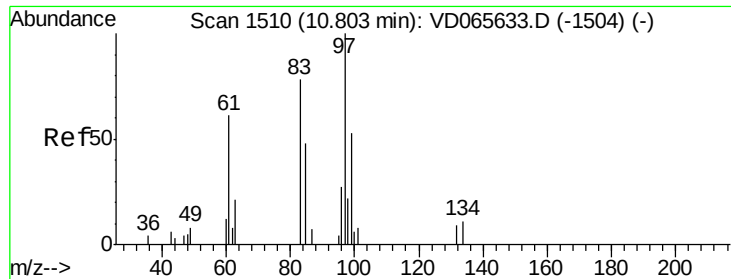
Tot Ion: 75 Resp: 133295
Ion Ratio Lower Upper
75 100
77 33.4 24.8 37.2



#54
cis-1,3-Dichloropropene
Concen: 44.554 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Tgt Ion: 75 Resp: 164965
Ion Ratio Lower Upper
75 100
77 30.6 25.2 37.8
39 48.8 38.7 58.1





#55

1,1,2-Trichloroethane

Concen: 42.476 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 75174

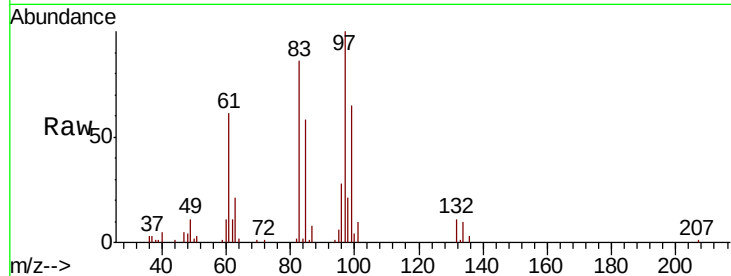
Ion	Ratio	Lower	Upper
97	100		
83	85.6	67.4	101.0
85	57.8	43.4	65.0
99	64.9	50.5	75.7

97 100

83 85.6 67.4 101.0

85 57.8 43.4 65.0

99 64.9 50.5 75.7



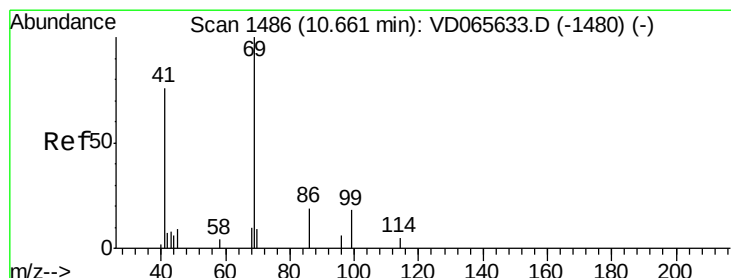
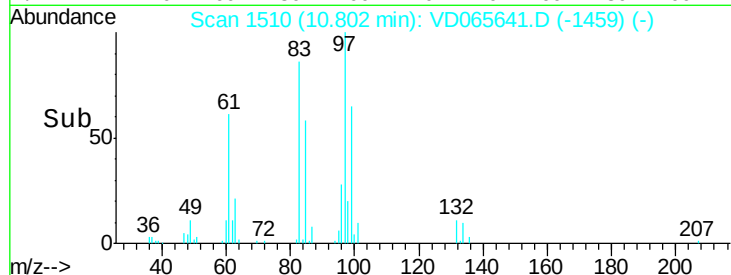
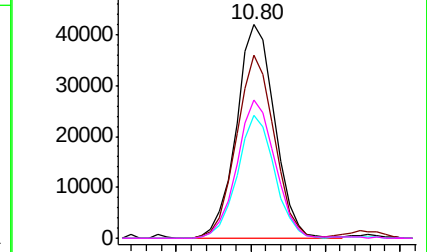
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 39.621 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

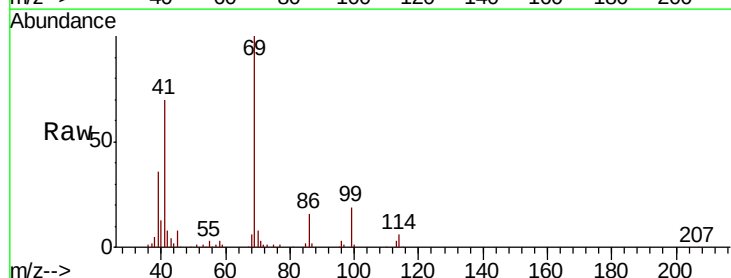
Tgt Ion: 69 Resp: 86061

Ion	Ratio	Lower	Upper
69	100		
41	68.8	56.2	84.4
39	31.7	26.6	39.8

69 100

41 68.8 56.2 84.4

39 31.7 26.6 39.8

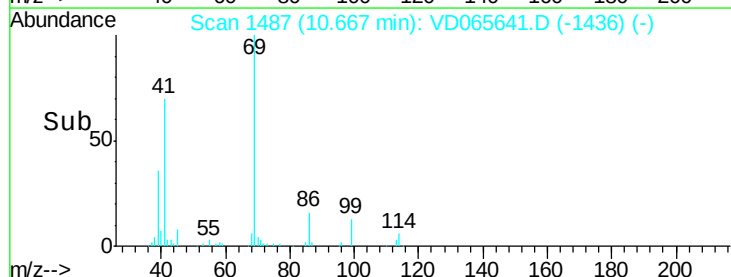
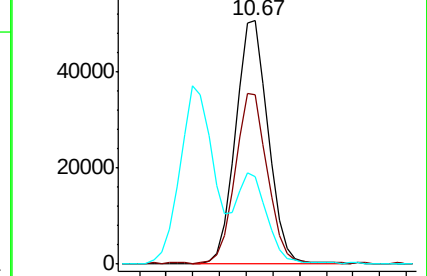


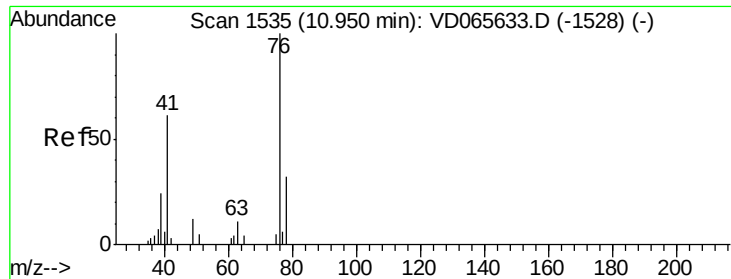
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 43.317 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

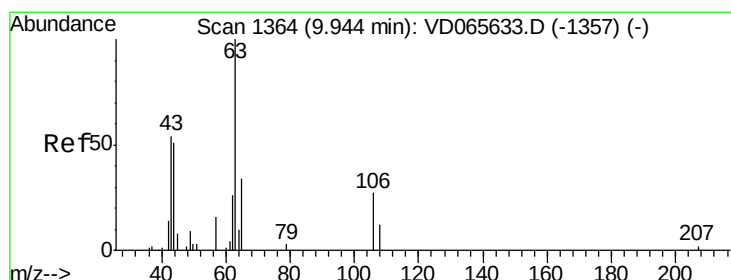
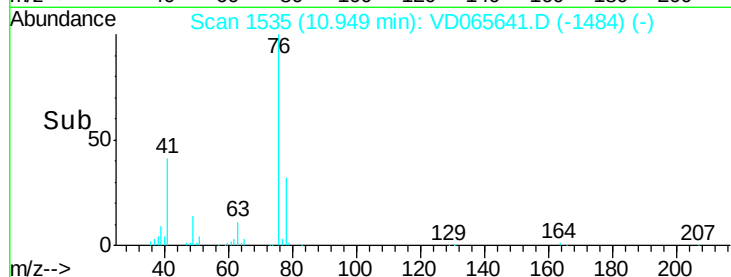
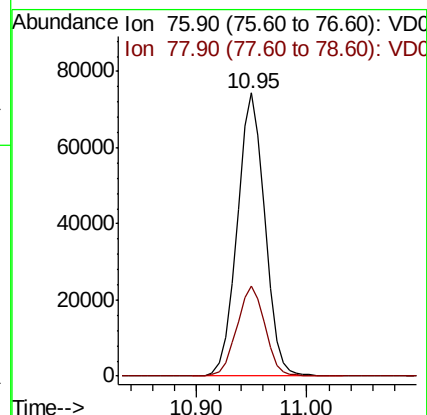
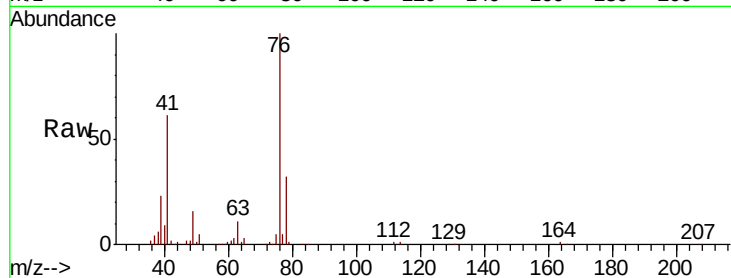
ClientSampleId :

Tot Ion: 76 Resp: 130539

Ion Ratio Lower Upper

76 100

78 32.3 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 206.940 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD065641.D

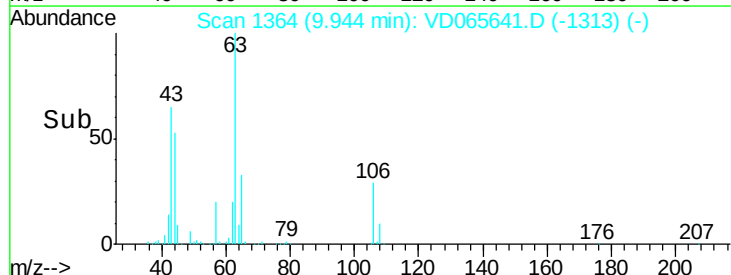
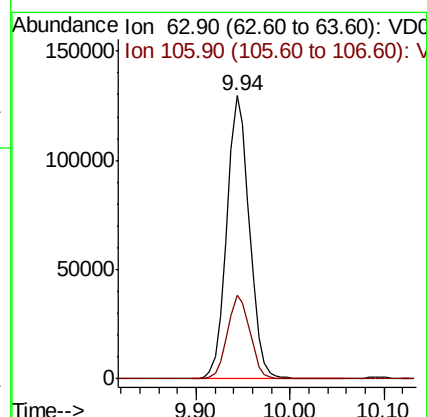
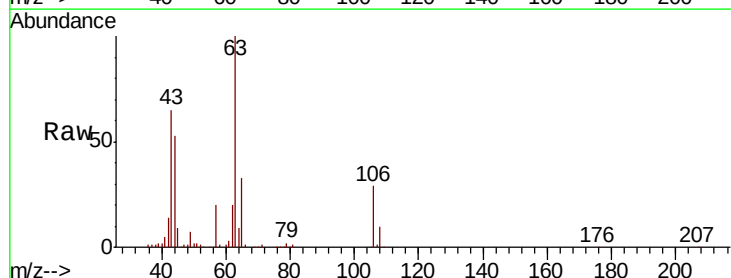
Acq: 17 Apr 2020 13:16

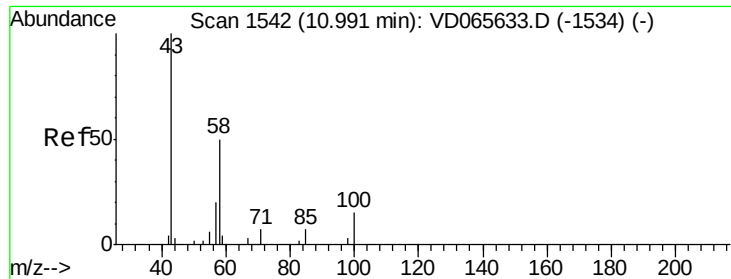
Tgt Ion: 63 Resp: 217630

Ion Ratio Lower Upper

63 100

106 29.4 23.8 35.6

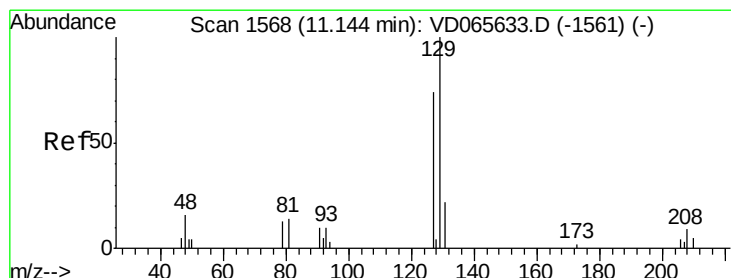
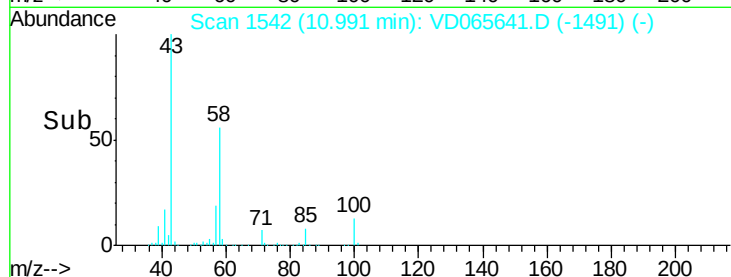
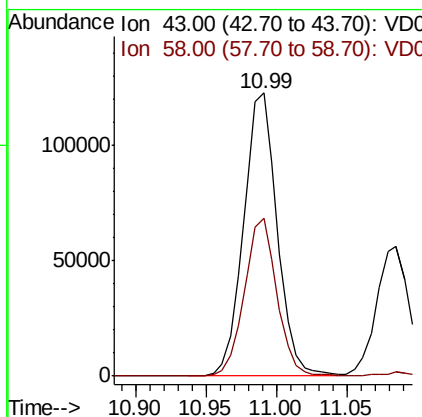
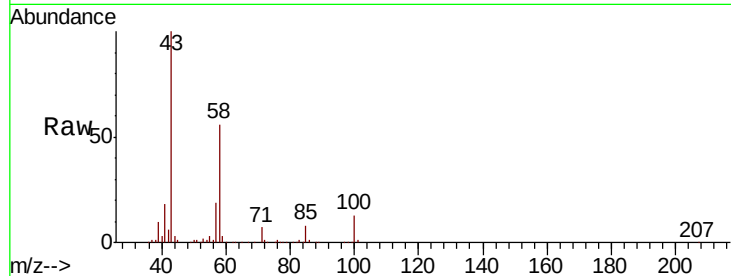




#59
2-Hexanone
Concen: 218.072 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

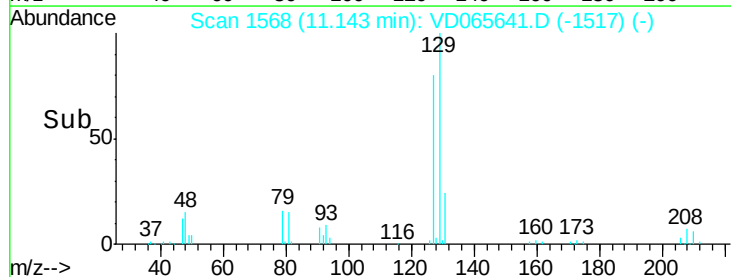
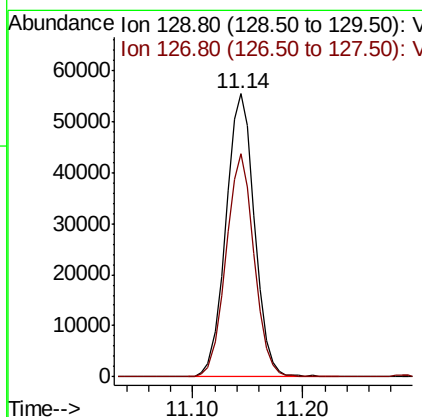
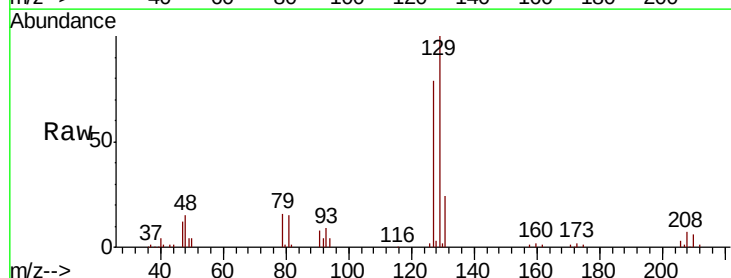
Instrument :
MSVOA_D
ClientSampleId :

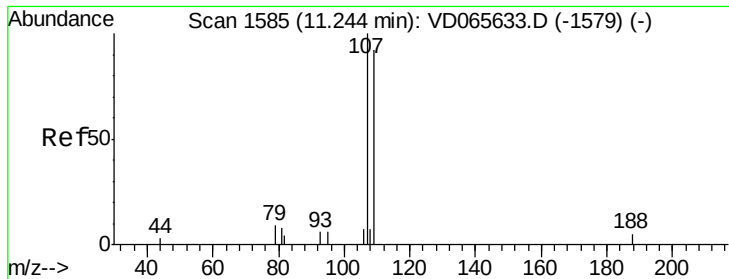
Tot Ion: 43 Resp: 204682
Ion Ratio Lower Upper
43 100
58 54.0 26.5 79.4



#60
Dibromochloromethane
Concen: 43.161 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Tgt Ion:129 Resp: 100606
Ion Ratio Lower Upper
129 100
127 77.1 38.8 116.3

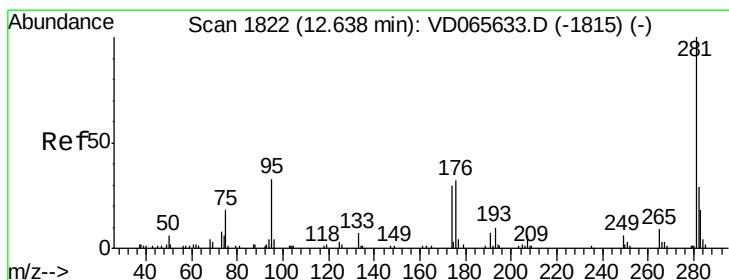
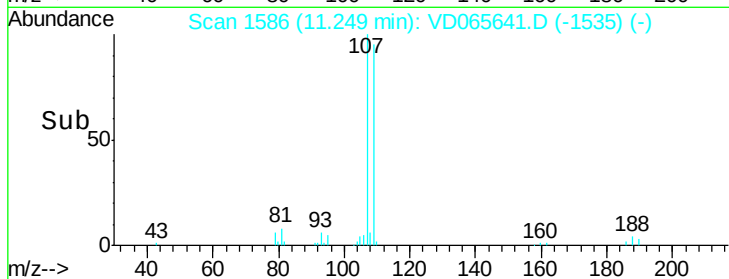
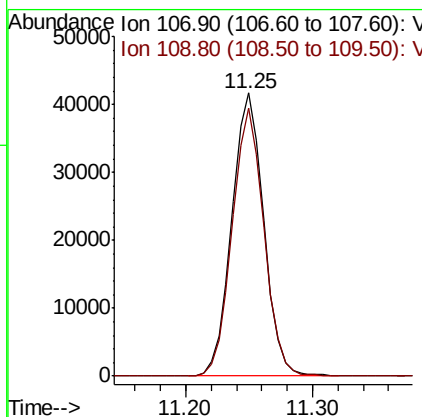
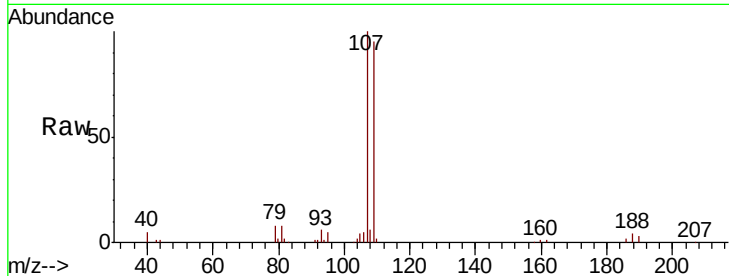




#61
 1,2-Dibromoethane
 Concen: 42.450 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065641.D
 Acq: 17 Apr 2020 13:16

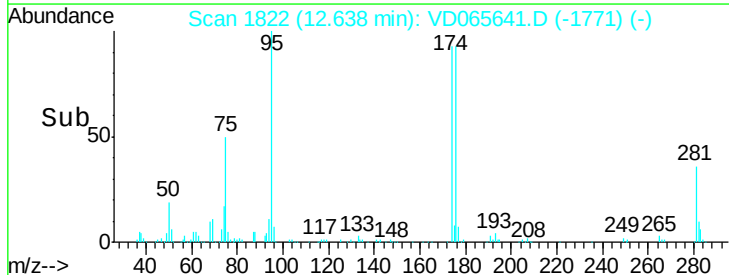
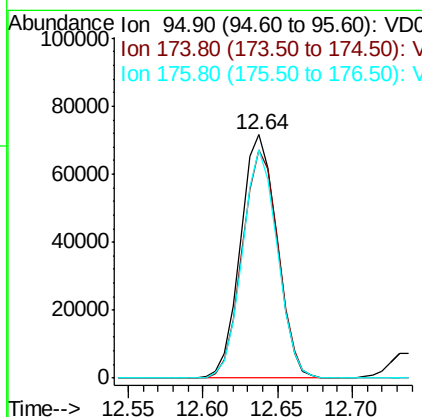
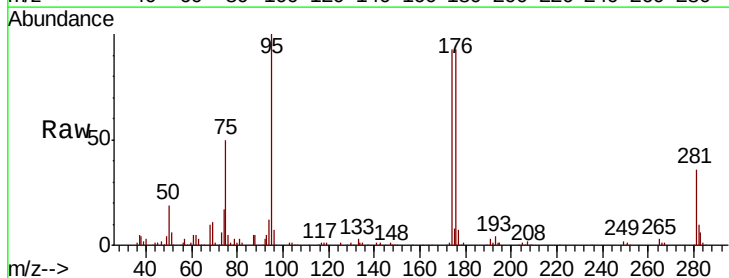
Instrument :
 MSVOA_D
 ClientSampleId :

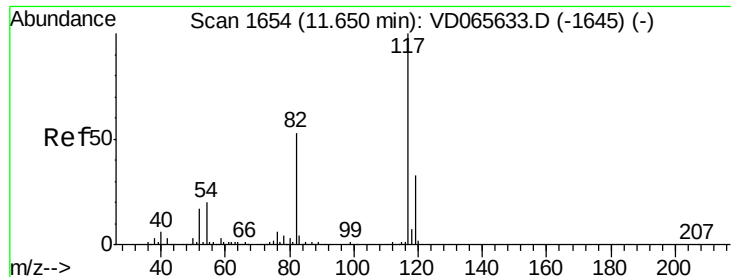
Tot Ion:107 Resp: 72289
 Ion Ratio Lower Upper
 107 100
 109 94.1 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 44.587 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065641.D
 Acq: 17 Apr 2020 13:16

Tgt Ion: 95 Resp: 120878
 Ion Ratio Lower Upper
 95 100
 174 92.9 0.0 183.8
 176 90.2 0.0 181.4

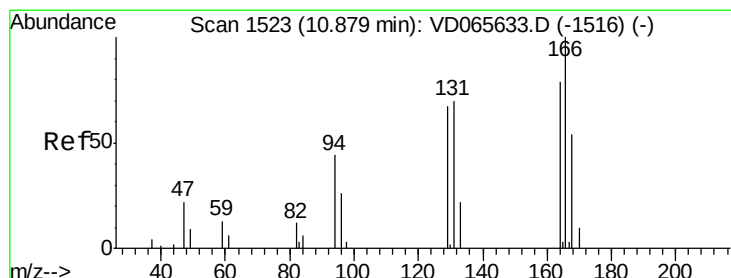
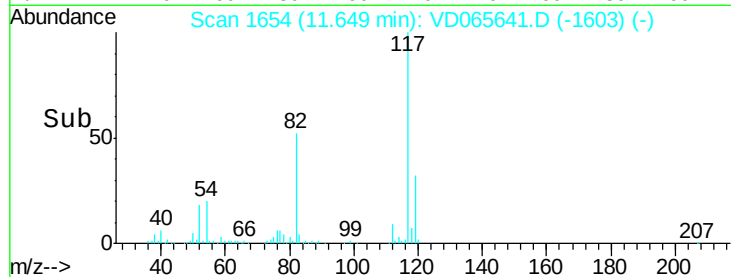
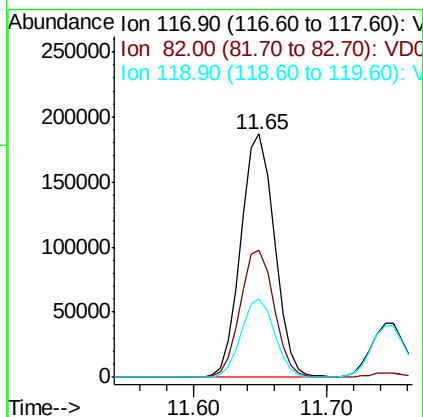
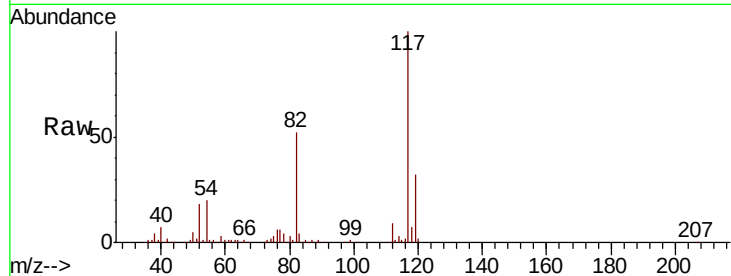




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

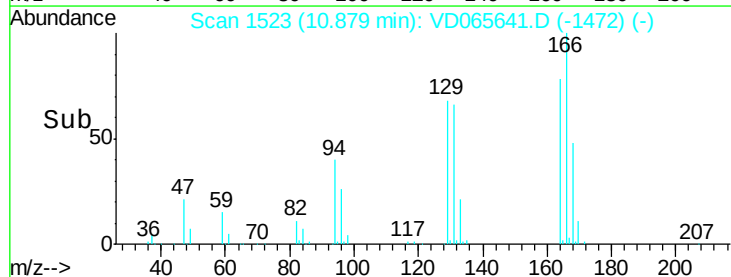
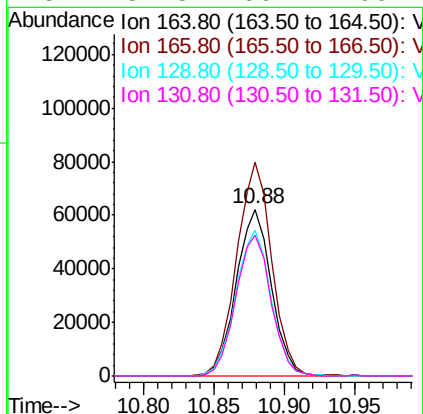
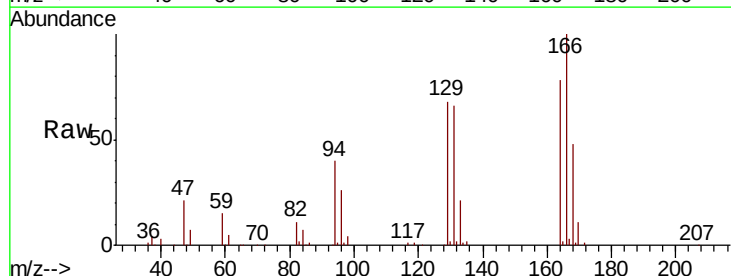
Instrument :
MSVOA_D
ClientSampleId :

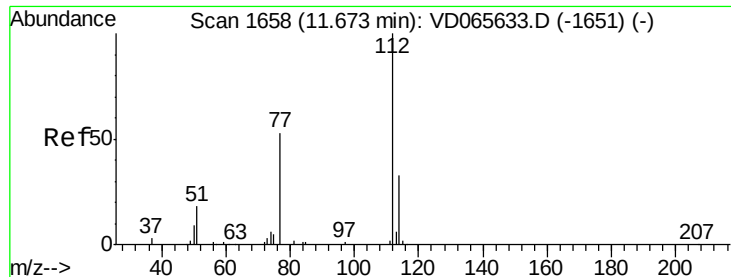
Tot Ion:117 Resp: 327469
Ion Ratio Lower Upper
117 100
82 52.5 43.2 64.8
119 32.1 26.2 39.4



#64
Tetrachloroethene
Concen: 45.973 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Tgt Ion:164 Resp: 108020
Ion Ratio Lower Upper
164 100
166 128.1 102.3 153.5
129 87.6 71.7 107.5
131 84.3 66.2 99.4

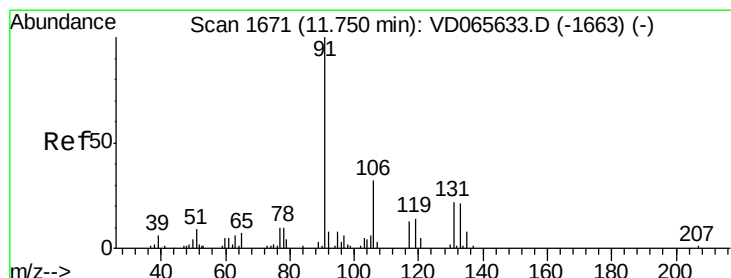
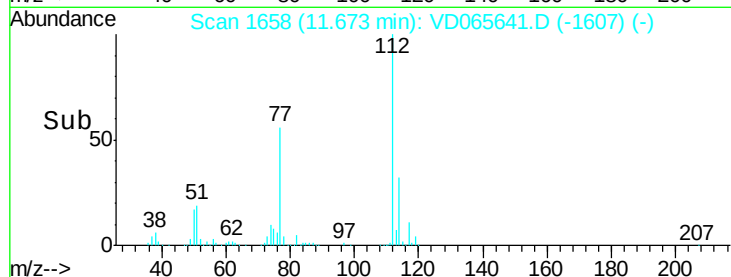
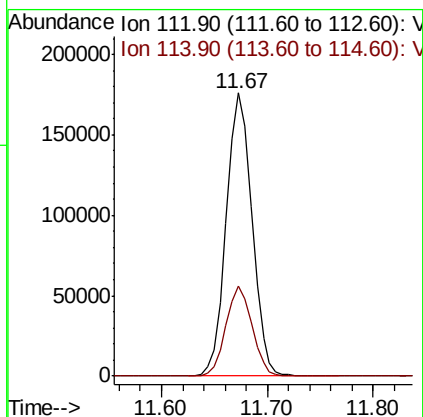
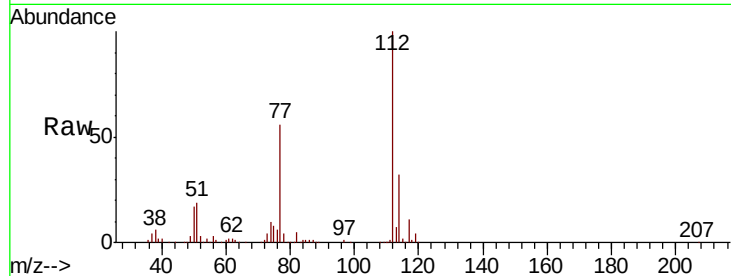




#65
Chlorobenzene
Concen: 45.836 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

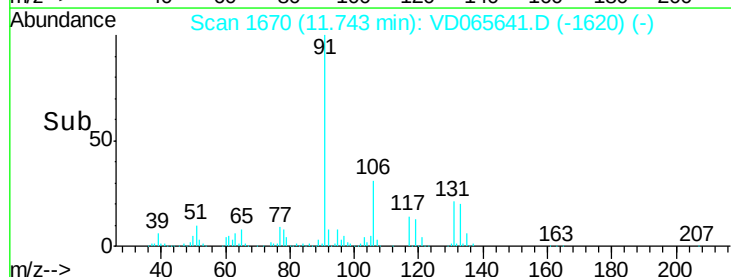
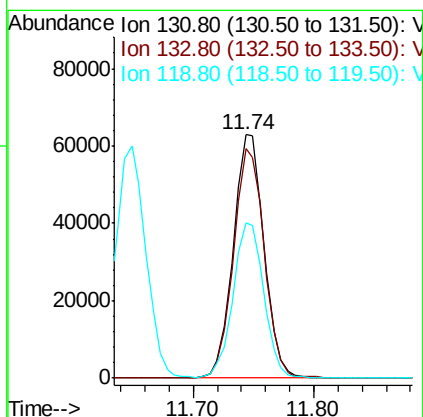
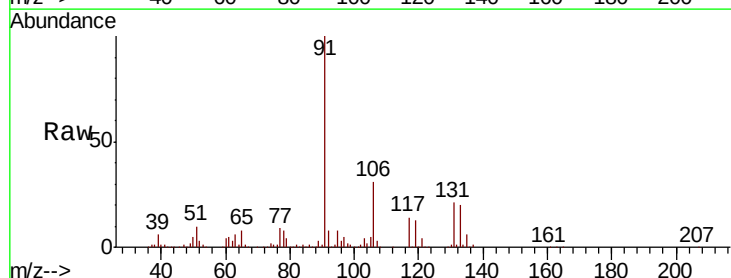
Instrument :
MSVOA_D
ClientSampleId :

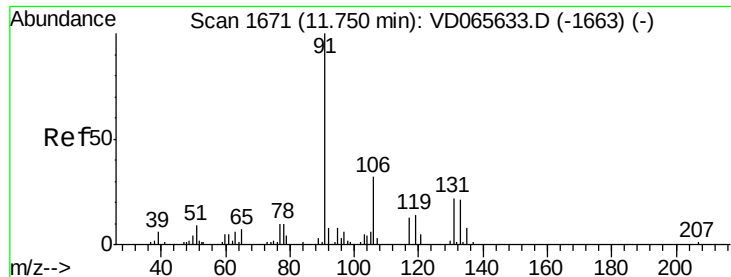
Tot Ion:112 Resp: 297178
Ion Ratio Lower Upper
112 100
114 31.6 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 44.918 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Tgt Ion:131 Resp: 111348
Ion Ratio Lower Upper
131 100
133 94.7 47.7 143.1
119 64.2 32.6 97.7





#67

Ethyl Benzene

Concen: 47.692 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

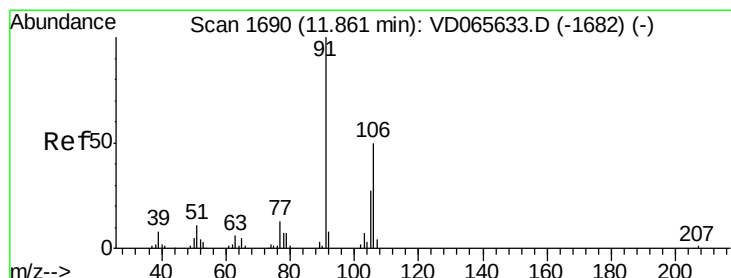
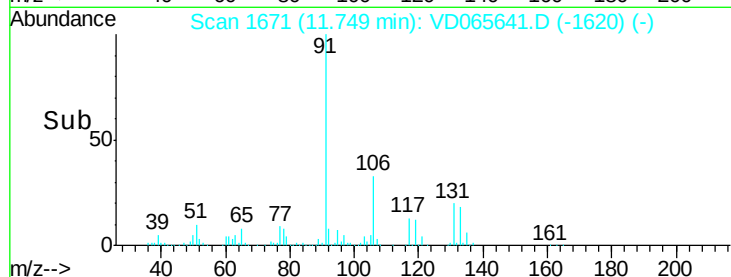
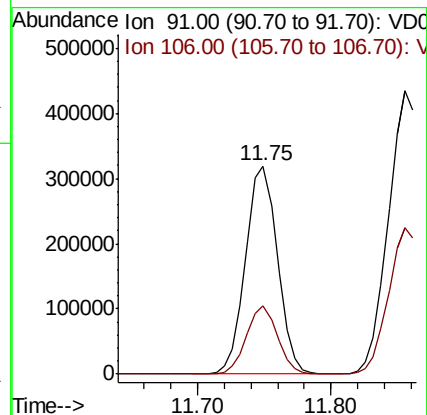
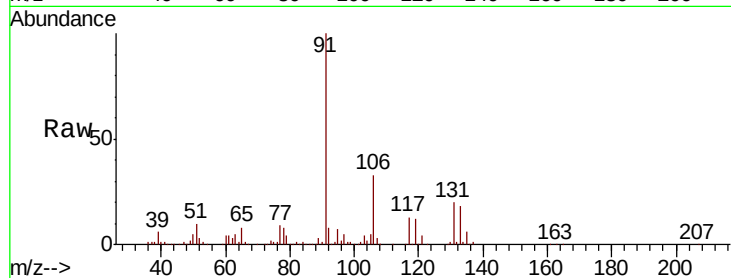
ClientSampled :

Tot Ion: 91 Resp: 528447

Ion Ratio Lower Upper

91 100

106 33.0 25.1 37.7



#68

m/p-Xylenes

Concen: 98.047 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD065641.D

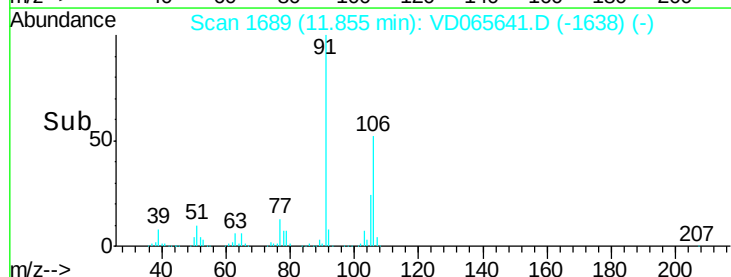
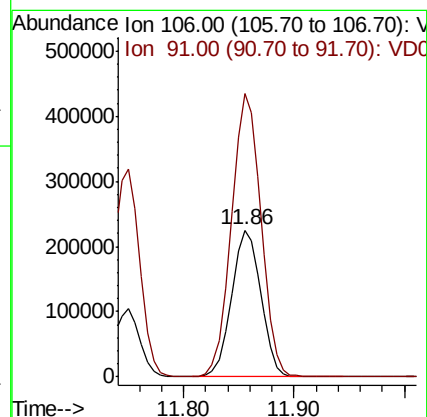
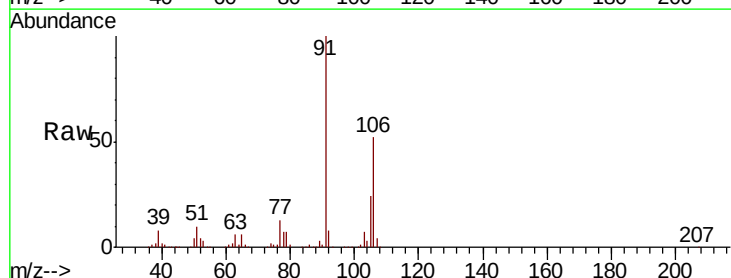
Acq: 17 Apr 2020 13:16

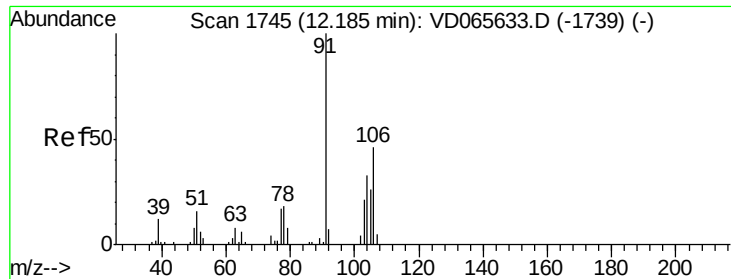
Tgt Ion: 106 Resp: 419715

Ion Ratio Lower Upper

106 100

91 194.8 157.9 236.9

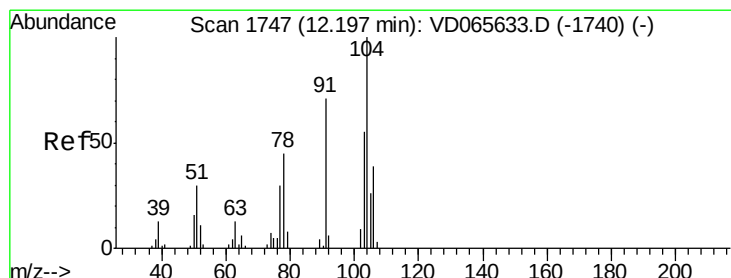
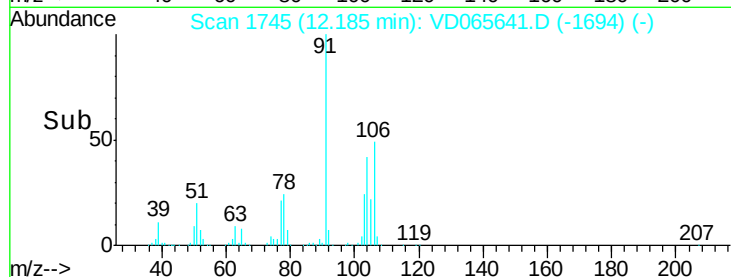
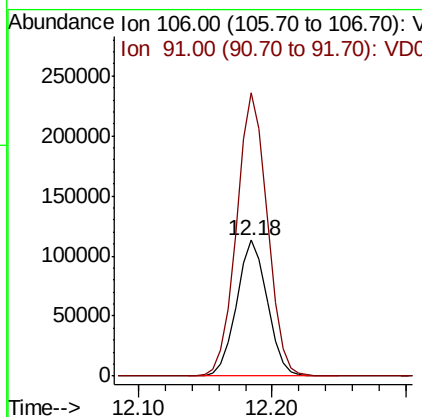
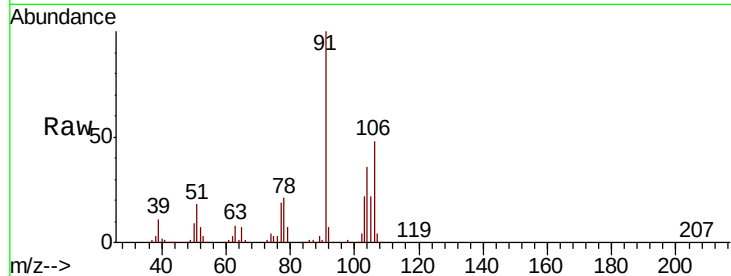




#69
o-Xylene
Concen: 47.939 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

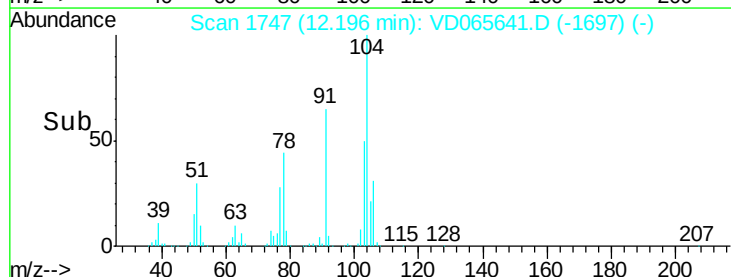
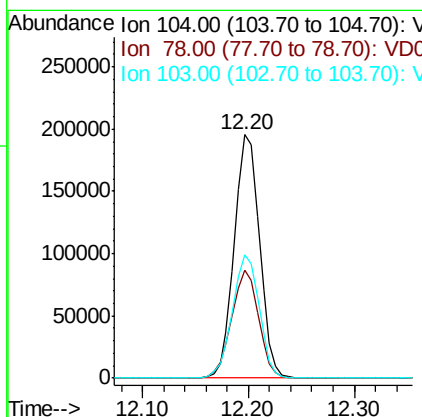
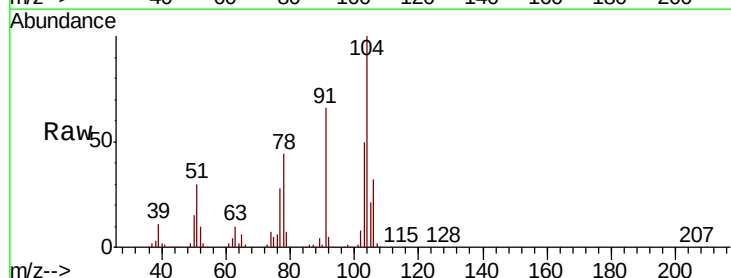
Instrument :
MSVOA_D
ClientSampleId :

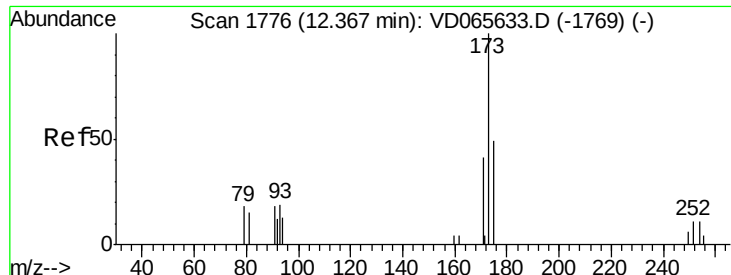
Tot Ion:106 Resp: 180059
Ion Ratio Lower Upper
106 100
91 208.8 103.6 310.9



#70
Styrene
Concen: 48.762 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Tgt Ion:104 Resp: 324195
Ion Ratio Lower Upper
104 100
78 47.2 37.5 56.3
103 53.7 43.4 65.0





#71

Bromoform

Concen: 44.186 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

ClientSampleId :

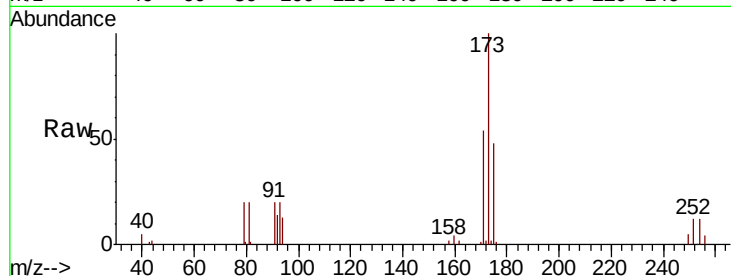
Tot Ion:173 Resp: 61536

Ion Ratio Lower Upper

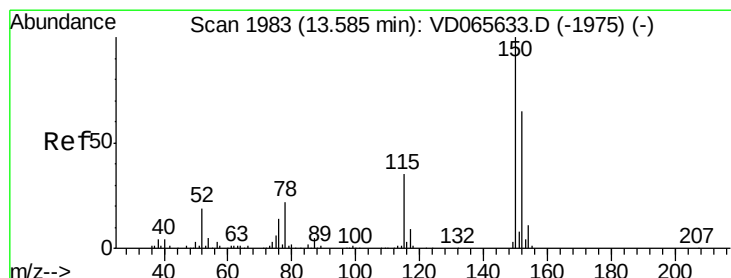
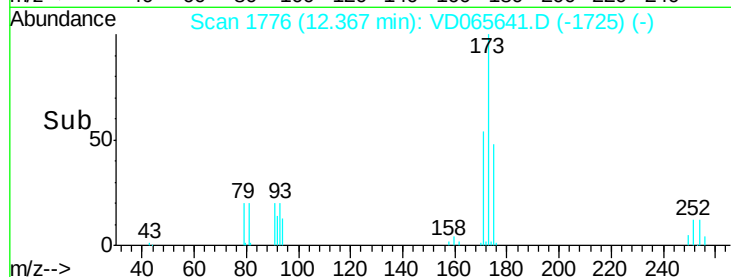
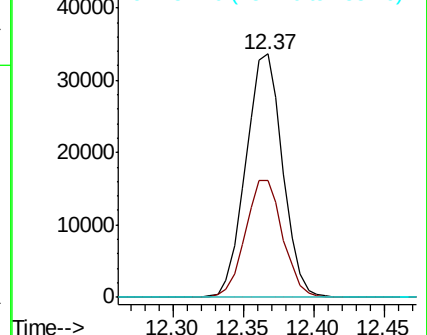
173 100

175 48.6 25.1 75.2

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: VD065641.D

Acq: 17 Apr 2020 13:16

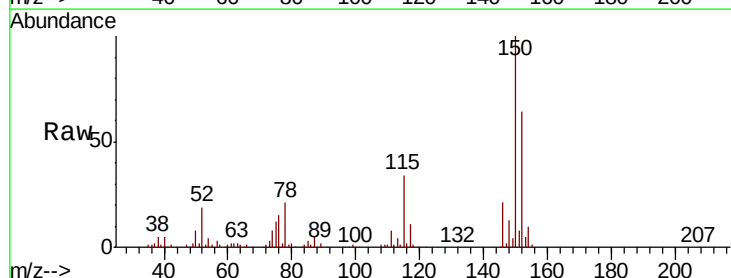
Tgt Ion:152 Resp: 168902

Ion Ratio Lower Upper

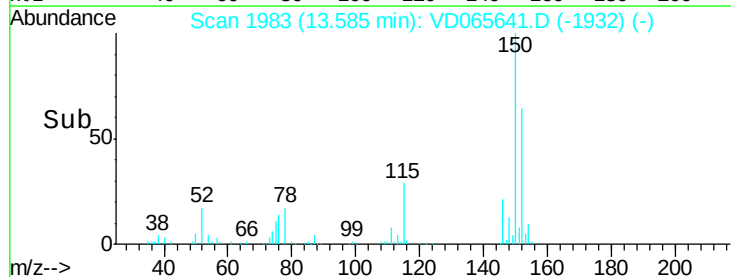
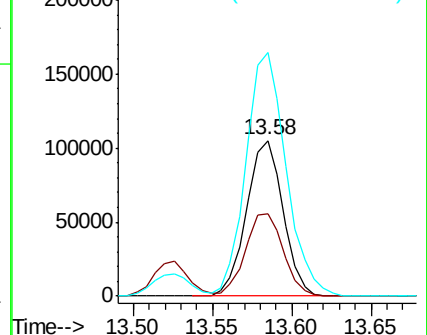
152 100

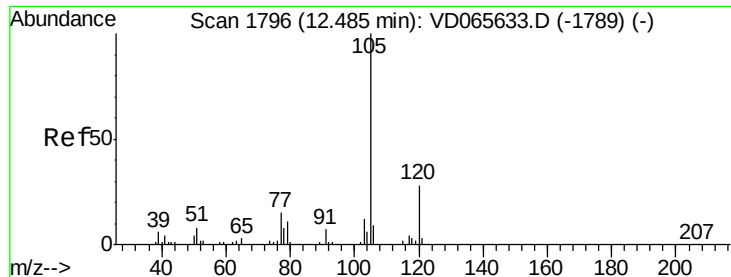
115 54.8 27.6 82.7

150 171.6 0.0 346.0



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: 49.518 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

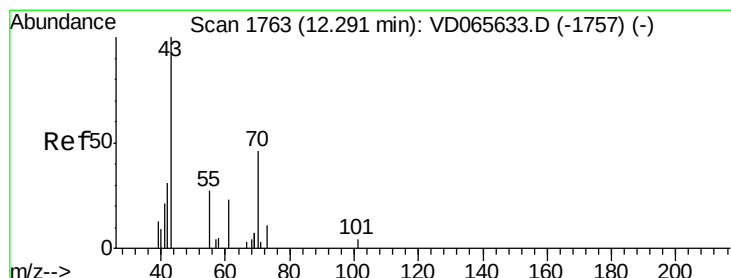
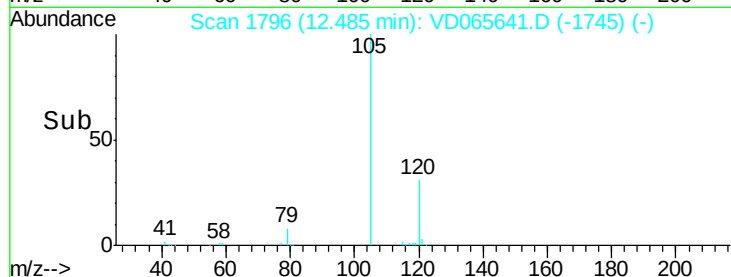
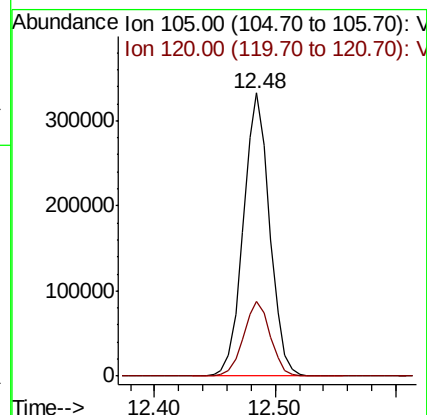
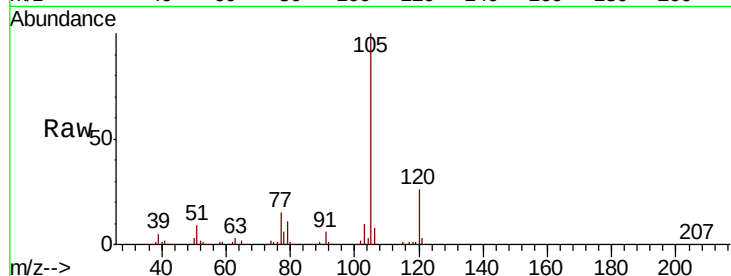
ClientSampleId :

Tot Ion:105 Resp: 504437

Ion Ratio Lower Upper

105 100

120 26.8 13.4 40.2



#74

N-ethyl acetate

Concen: 41.579 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Tgt Ion: 43 Resp: 98055

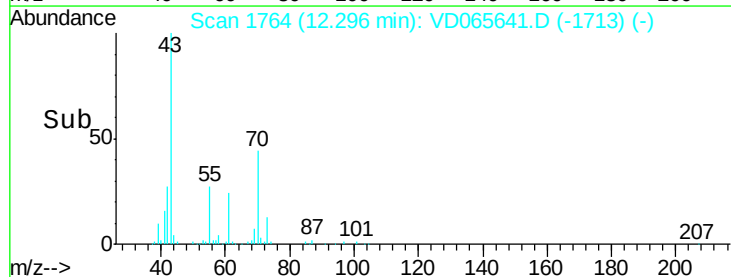
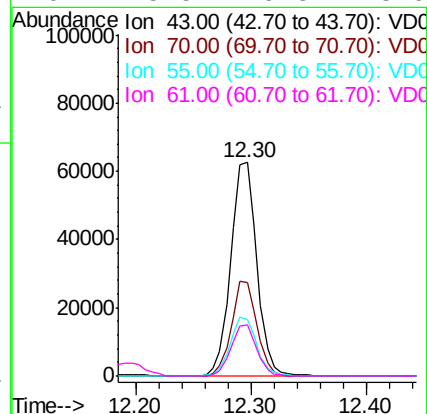
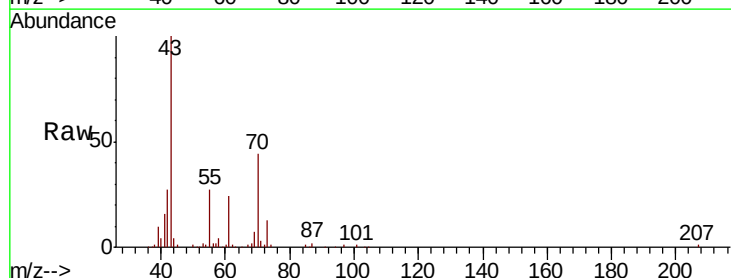
Ion Ratio Lower Upper

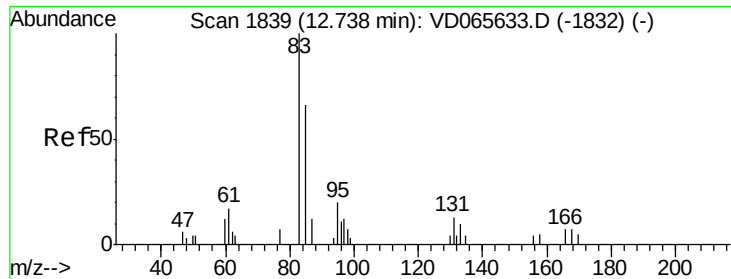
43 100

70 43.0 35.4 53.0

55 27.9 22.2 33.2

61 23.5 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 43.187 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

ClientSampleId :

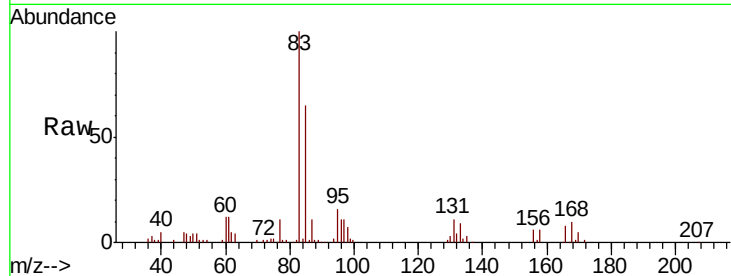
Tot Ion: 83 Resp: 79883

Ion Ratio Lower Upper

83 100

131 11.2 5.7 17.0

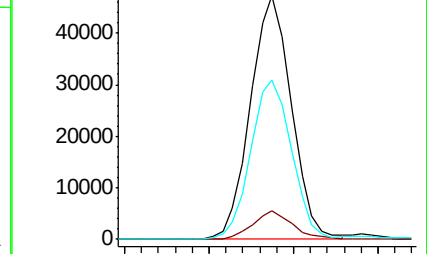
85 65.5 32.5 97.4



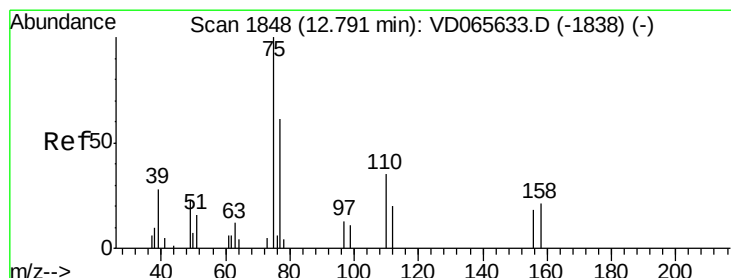
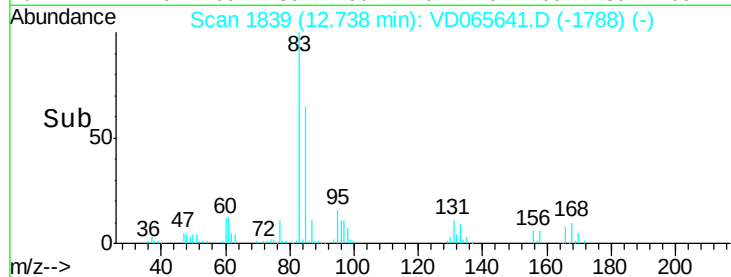
Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



Time--> 12.65 12.70 12.75 12.80



#76

1,2,3-Trichloropropane

Concen: 78.862 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065641.D

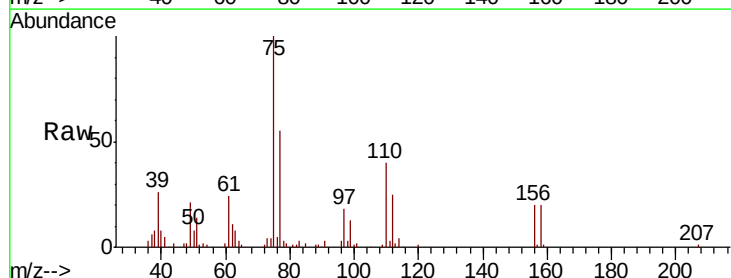
Acq: 17 Apr 2020 13:16

Tgt Ion: 75 Resp: 107096

Ion Ratio Lower Upper

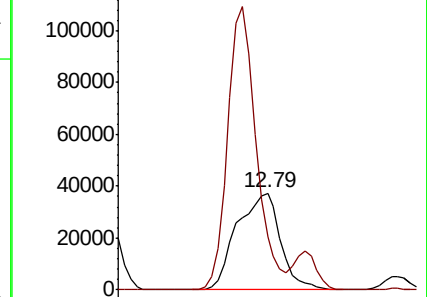
75 100

77 0.0 0.0 0.0

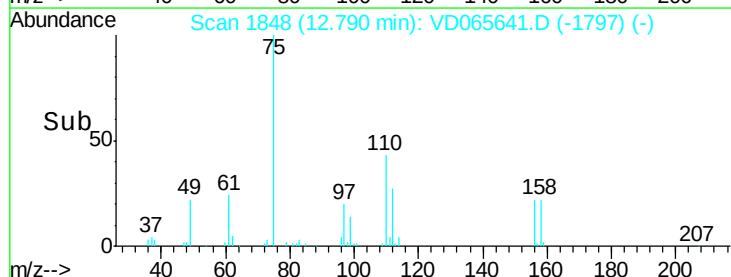


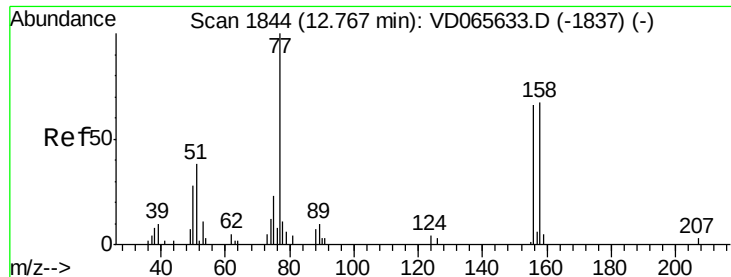
Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



Time--> 12.70 12.80 12.90





#77

Bromobenzene

Concen: 45.004 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

ClientSampled :

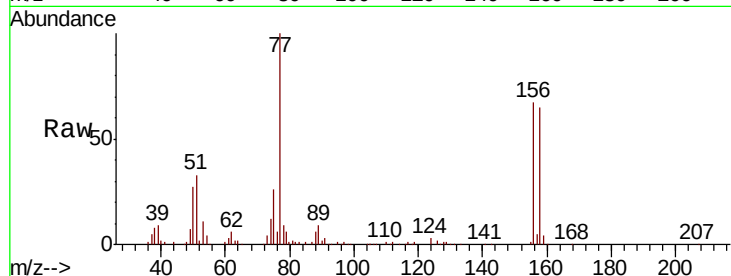
Tot Ion:156 Resp: 121743

Ion Ratio Lower Upper

156 100

77 169.1 84.7 254.1

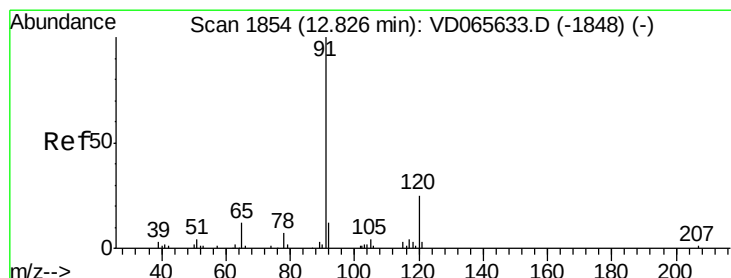
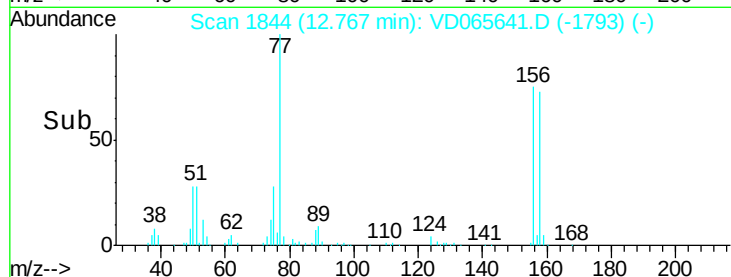
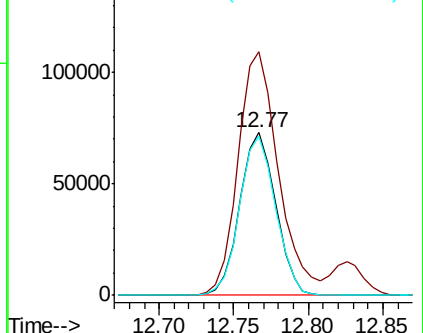
158 98.2 48.5 145.5



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: 49.430 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065641.D

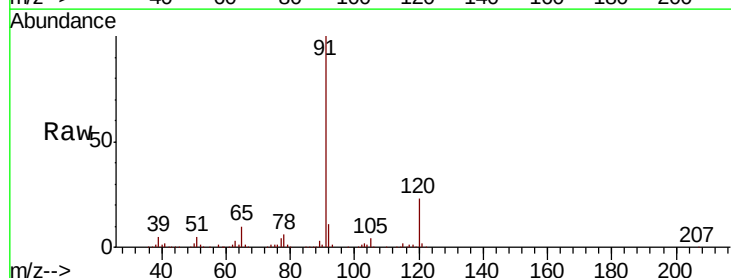
Acq: 17 Apr 2020 13:16

Tgt Ion: 91 Resp: 609148

Ion Ratio Lower Upper

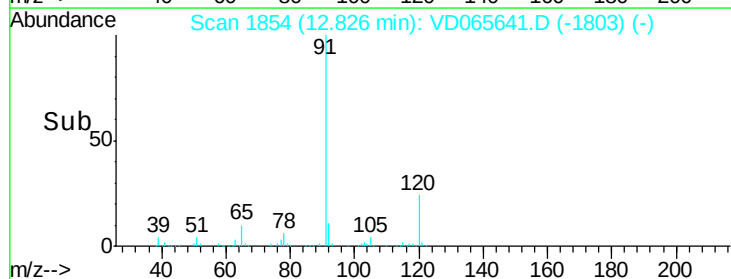
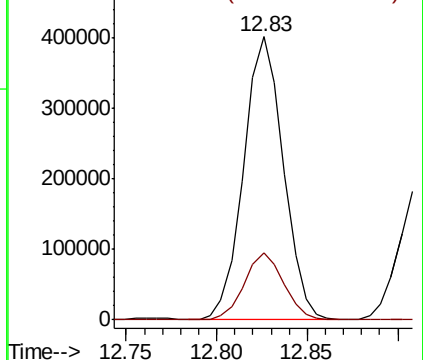
91 100

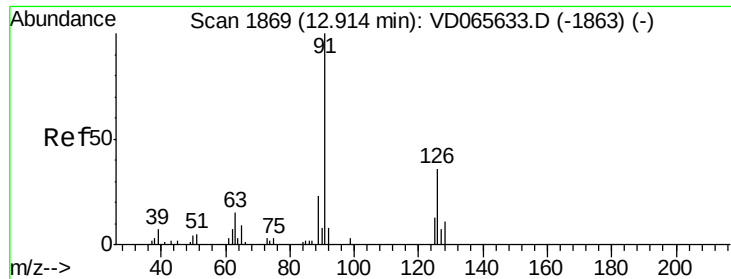
120 23.3 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

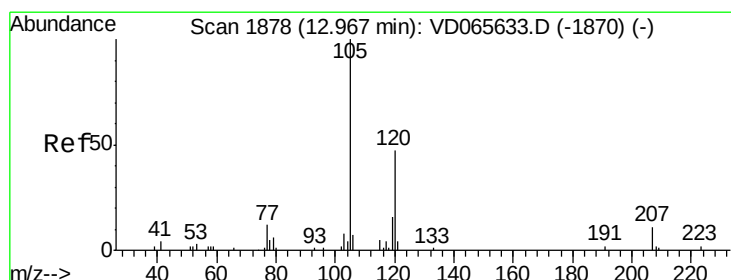
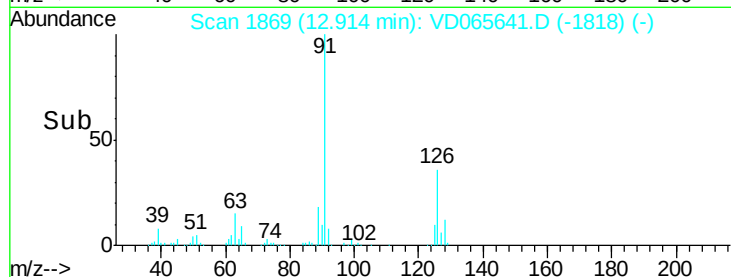
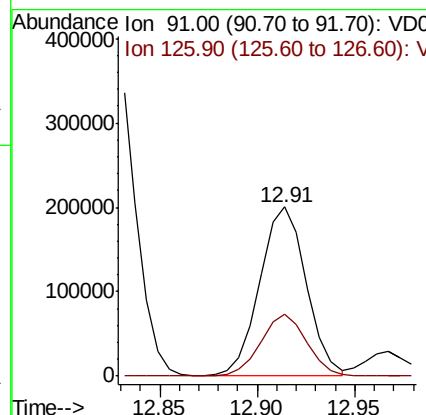
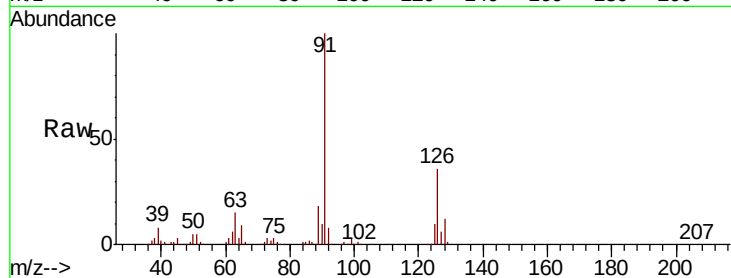




#79
2-Chlorotoluene
Concen: 47.217 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

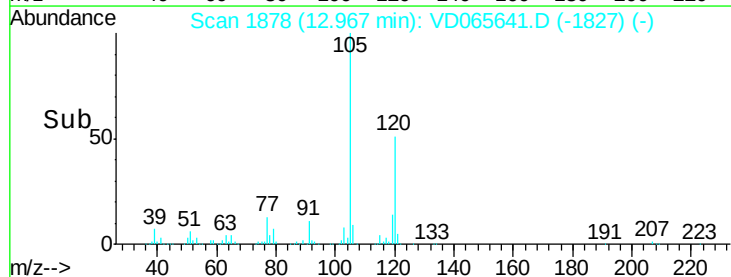
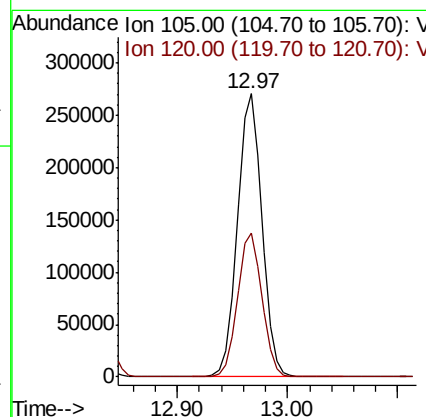
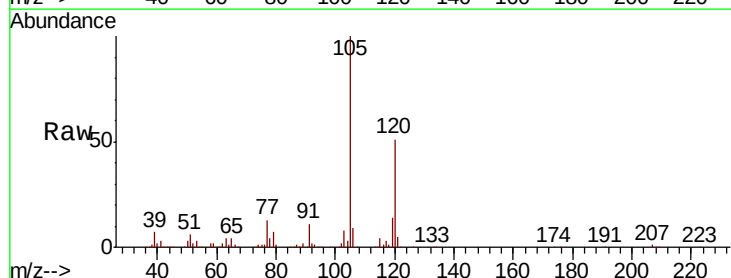
Instrument :
MSVOA_D
ClientSampleId :

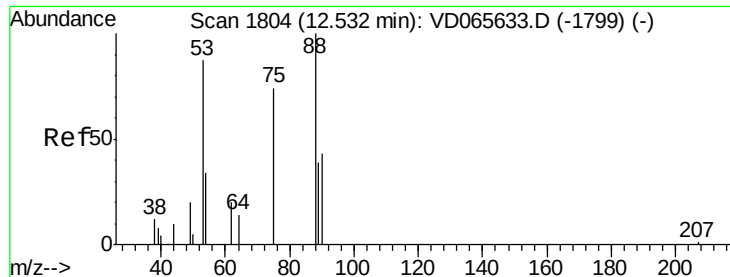
Tot Ion: 91 Resp: 330442
Ion Ratio Lower Upper
91 100
126 36.0 17.8 53.3



#80
1,3,5-Trimethylbenzene
Concen: 48.969 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Tgt Ion:105 Resp: 420975
Ion Ratio Lower Upper
105 100
120 50.9 25.2 75.6

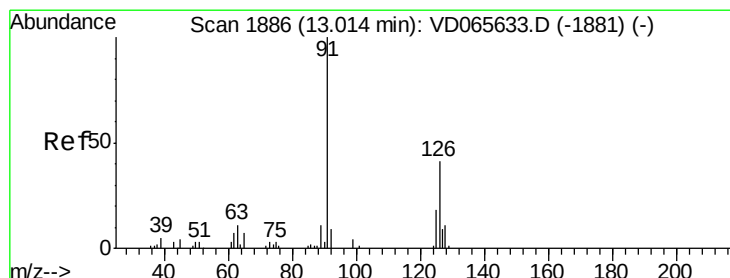
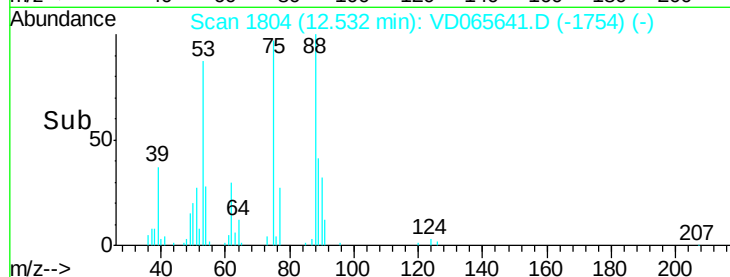
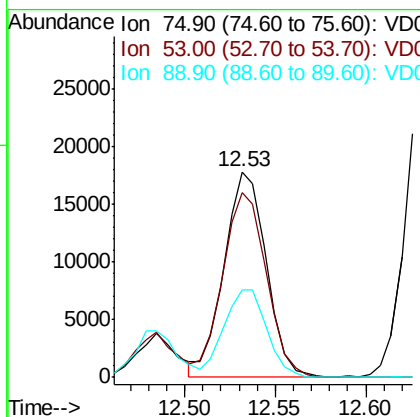
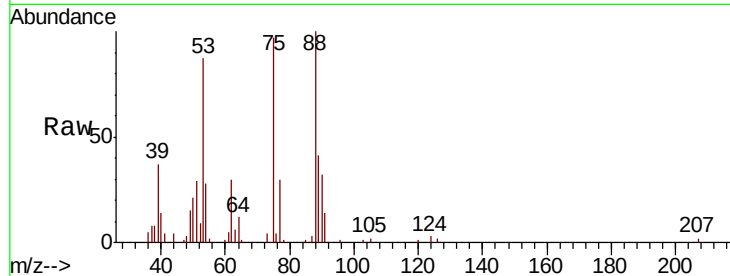




#81
trans-1,4-Dichloro-2-butene
Concen: 46.550 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.01 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

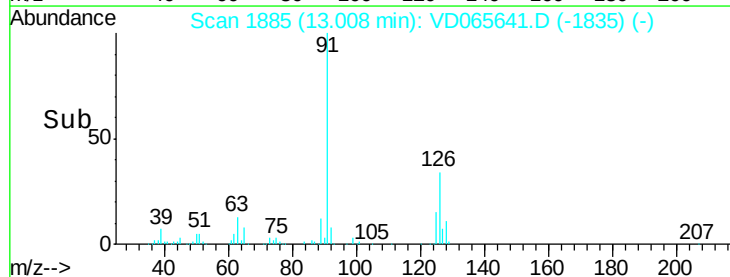
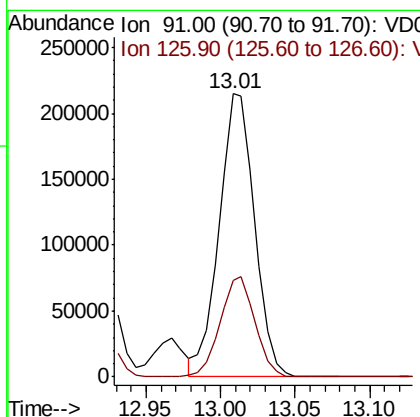
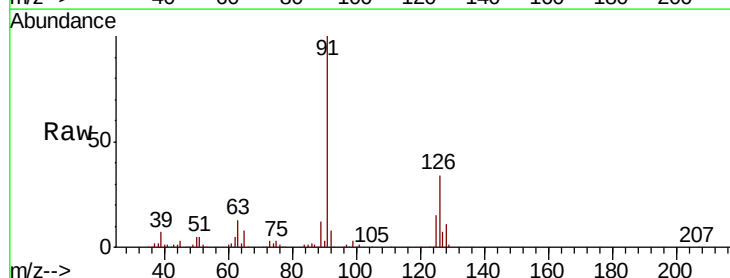
Instrument :
MSVOA_D
ClientSampled :

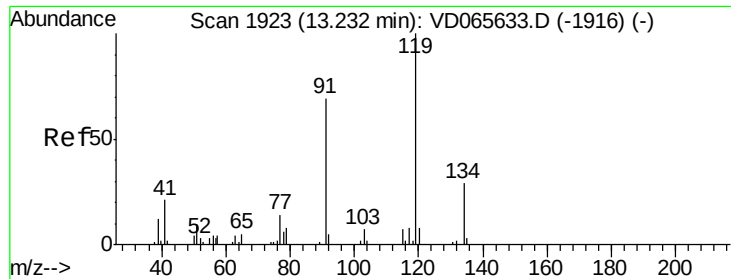
Tot Ion: 75 Resp: 28844
Ion Ratio Lower Upper
75 100
53 93.4 76.8 115.2
89 43.1 36.1 54.1



#82
4-Chlorotoluene
Concen: 47.351 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Tgt Ion: 91 Resp: 356597
Ion Ratio Lower Upper
91 100
126 34.8 17.5 52.6

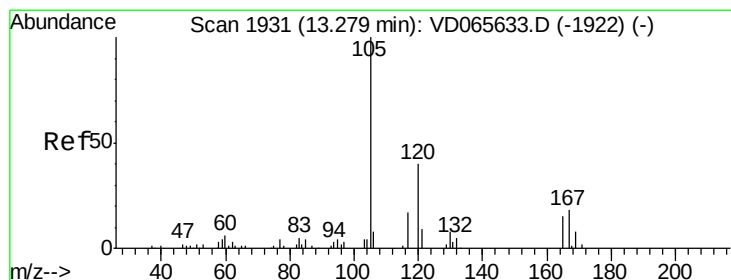
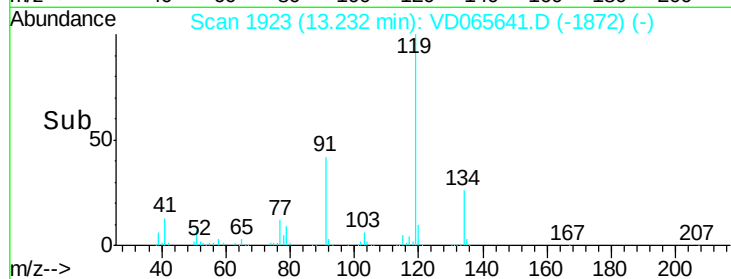
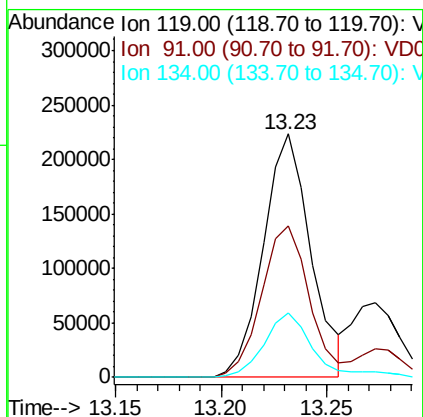
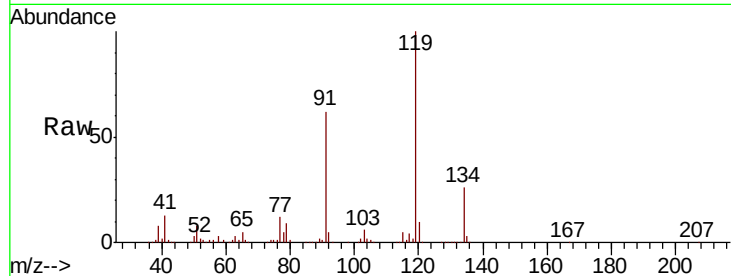




#83
 tert-Butylbenzene
 Concen: 48.445 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD065641.D
 Acq: 17 Apr 2020 13:16

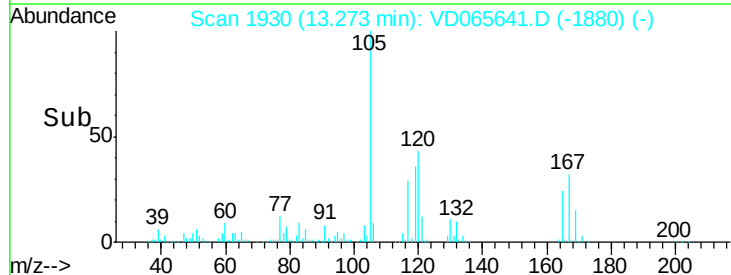
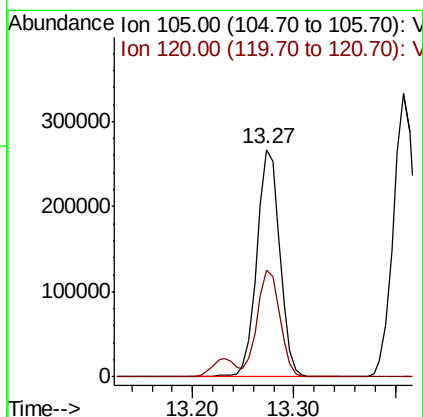
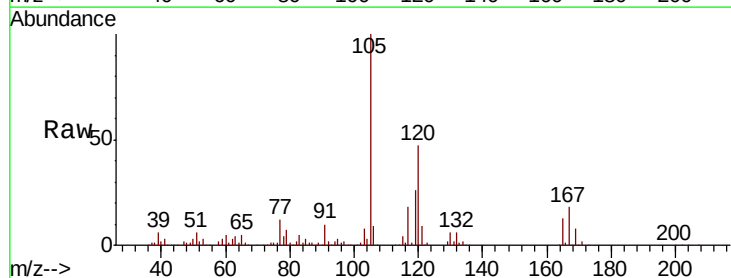
Instrument :
 MSVOA_D
 ClientSampleID :

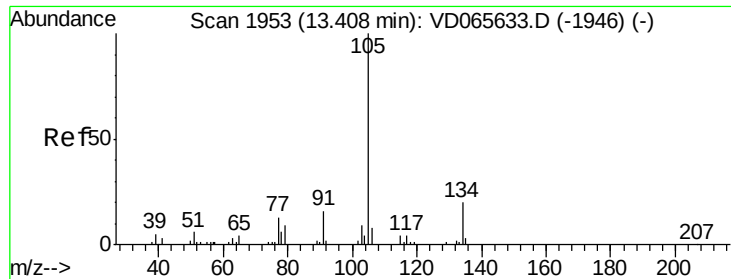
Tot Ion:119 Resp: 349190
 Ion Ratio Lower Upper
 119 100
 91 62.4 31.7 95.1
 134 27.5 14.0 41.9



#84
 1,2,4-Trimethylbenzene
 Concen: 49.230 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.01 min
 Lab File: VD065641.D
 Acq: 17 Apr 2020 13:16

Tgt Ion:105 Resp: 421930
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.5 70.6





#85

sec-Butylbenzene

Concen: 49.070 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

Instrument :

MSVOA_D

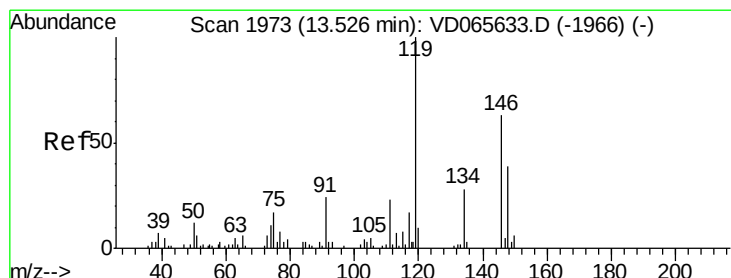
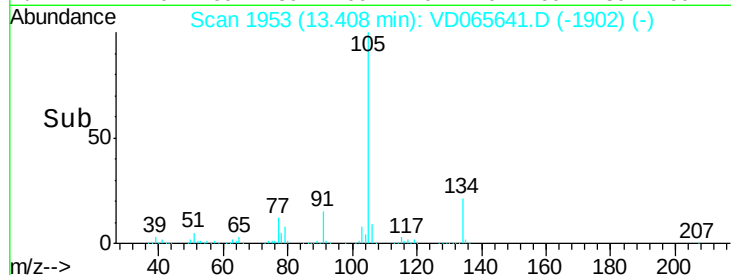
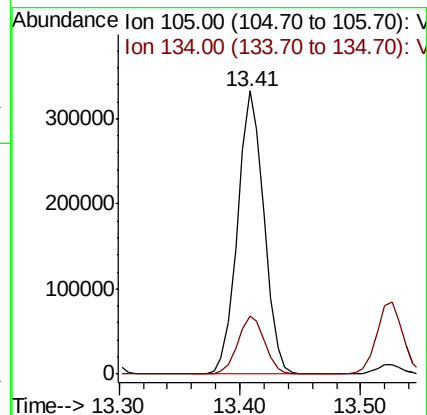
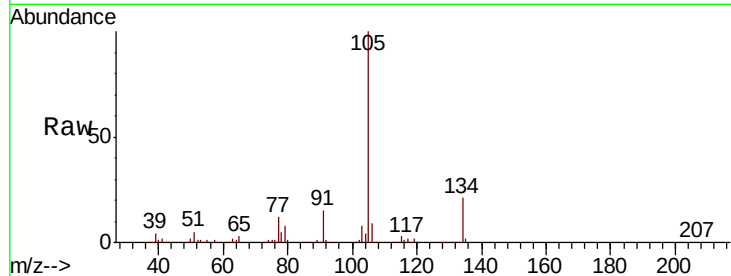
ClientSampleId :

Tot Ion:105 Resp: 506020

Ion Ratio Lower Upper

105 100

134 21.0 10.4 31.4



#86

p-Isopropyltoluene

Concen: 49.462 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065641.D

Acq: 17 Apr 2020 13:16

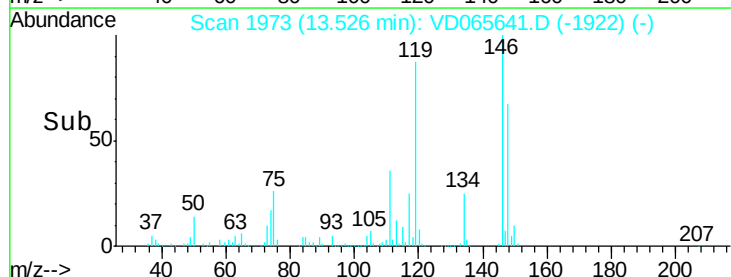
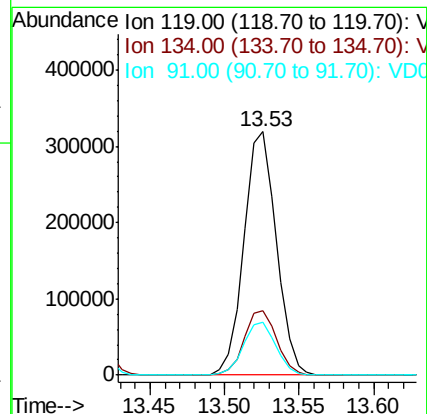
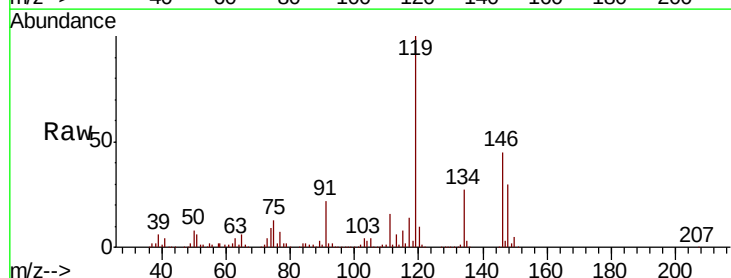
Tgt Ion:119 Resp: 478699

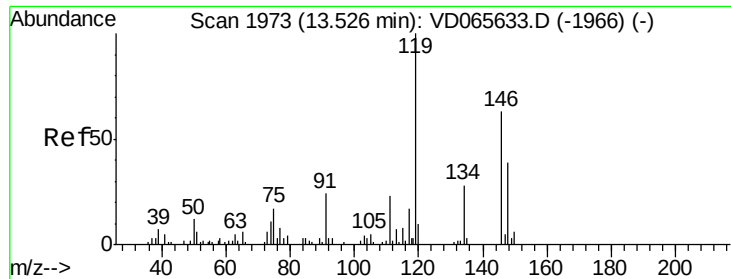
Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.1

91 21.9 11.1 33.3

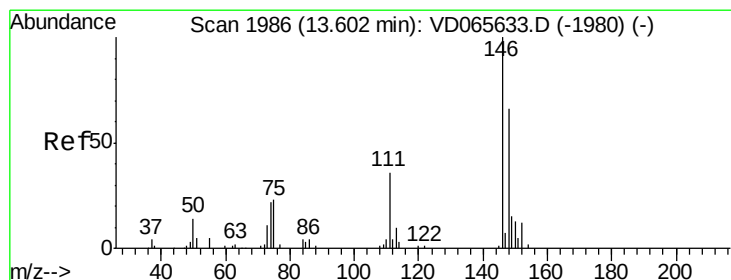
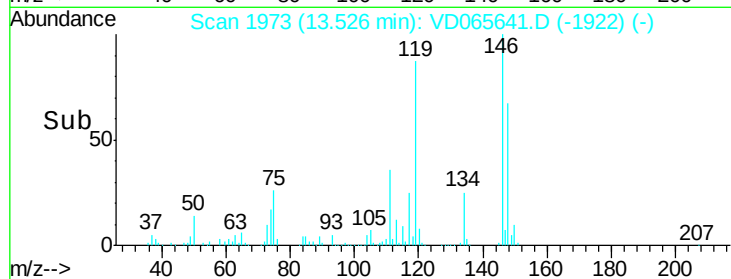
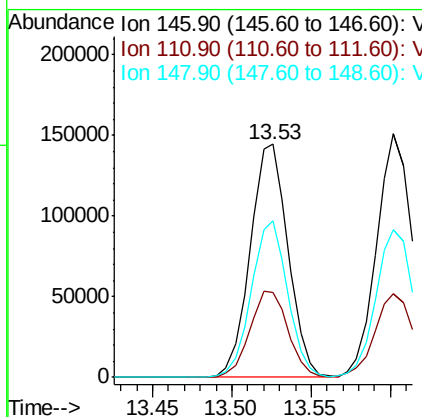
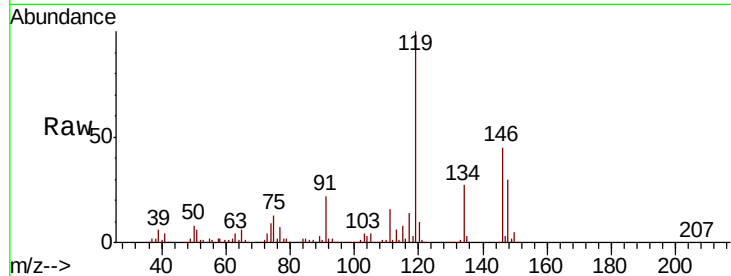




#87
 1,3-Dichlorobenzene
 Concen: 45.349 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065641.D
 Acq: 17 Apr 2020 13:16

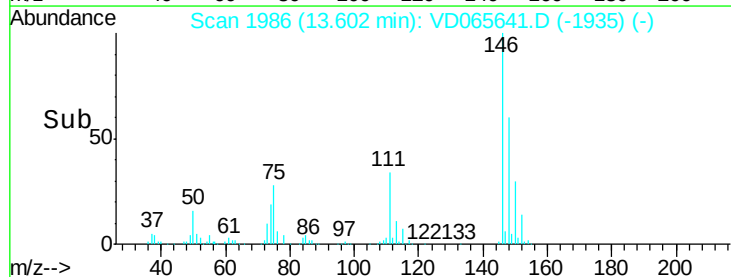
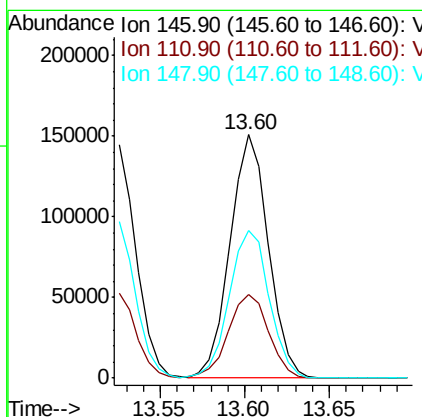
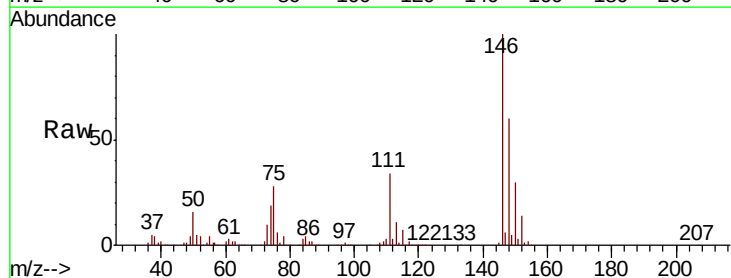
Instrument :
 MSVOA_D
 ClientSampleId :

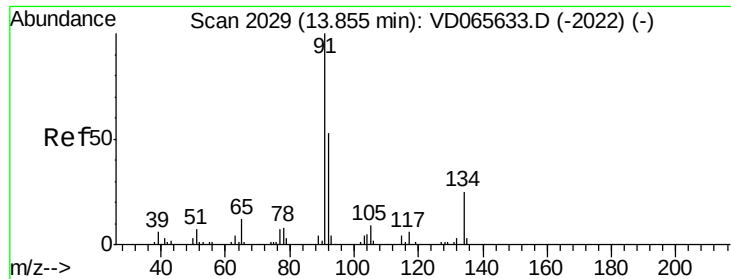
Tot Ion:146 Resp: 240197
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.6 55.6
 148 64.5 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 45.190 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065641.D
 Acq: 17 Apr 2020 13:16

Tgt Ion:146 Resp: 238239
 Ion Ratio Lower Upper
 146 100
 111 36.3 18.0 54.0
 148 63.3 31.4 94.2

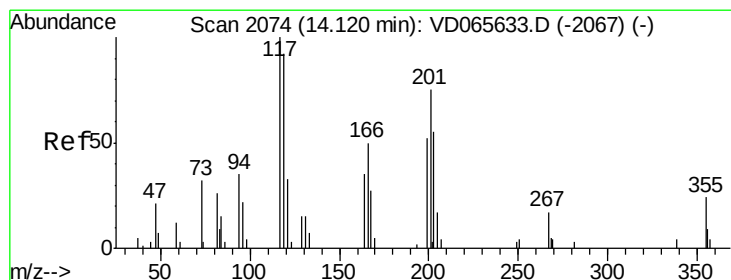
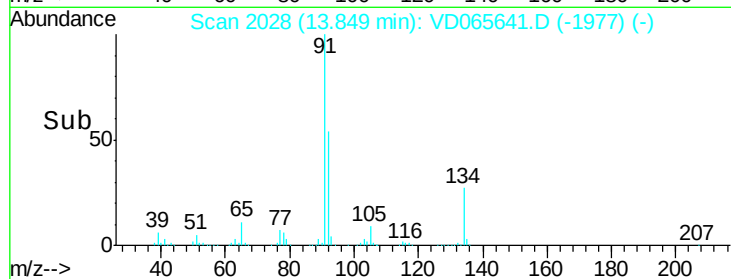
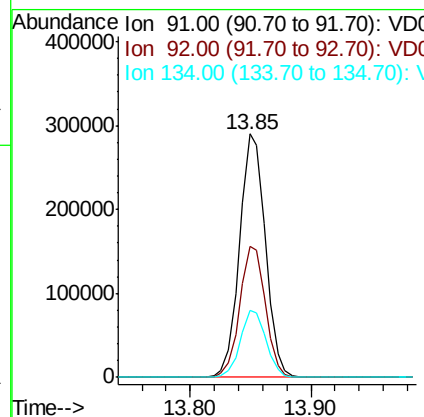
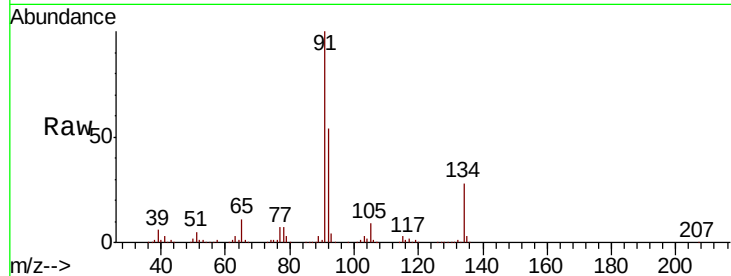




#89
n-Butylbenzene
Concen: 49.334 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

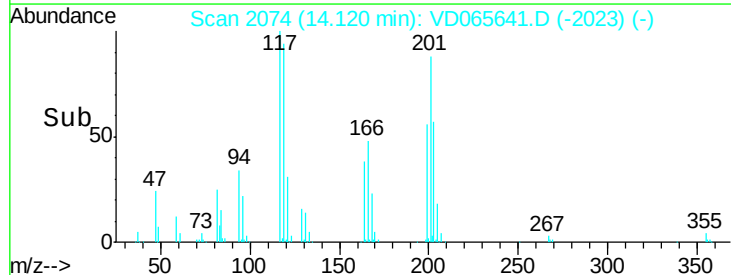
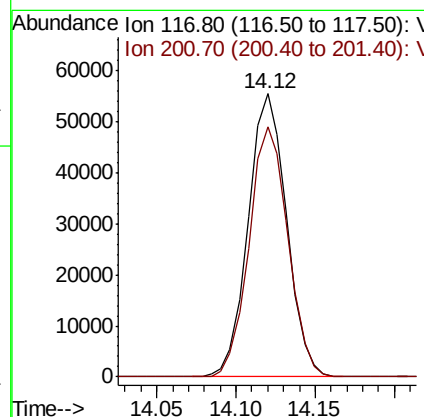
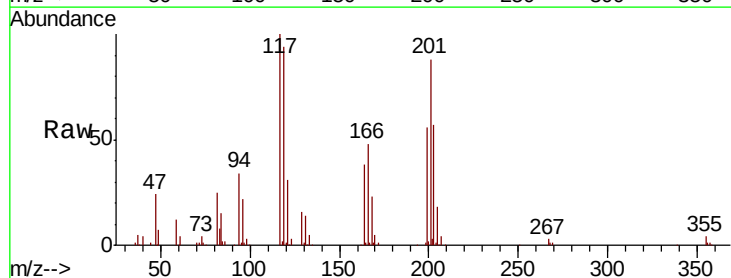
Instrument :
MSVOA_D
ClientSampleId :

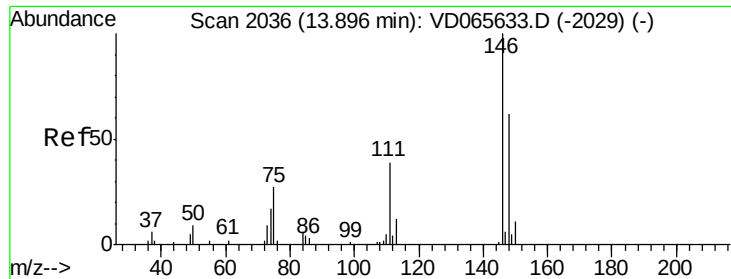
Tot Ion: 91 Resp: 433344
Ion Ratio Lower Upper
91 100
92 53.6 26.9 80.6
134 27.3 13.6 40.8



#90
Hexachloroethane
Concen: 45.961 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Tgt Ion: 117 Resp: 93285
Ion Ratio Lower Upper
117 100
201 89.3 44.9 134.7

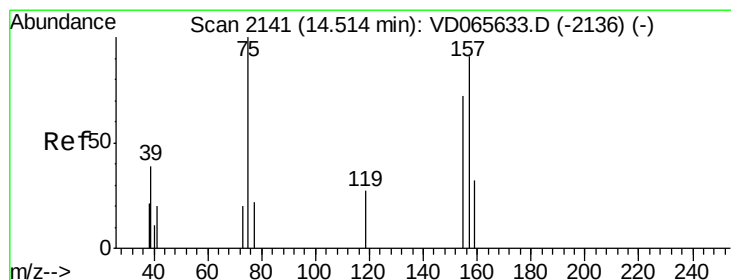
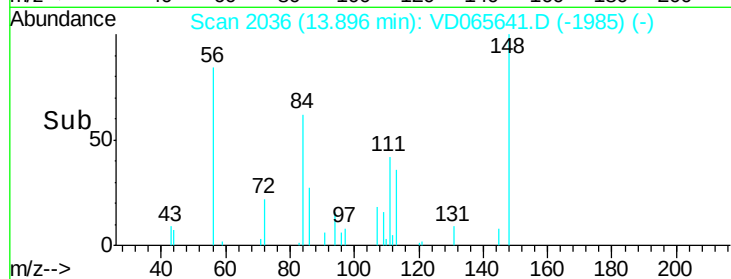
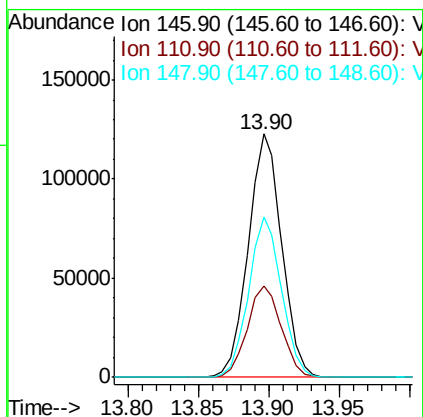
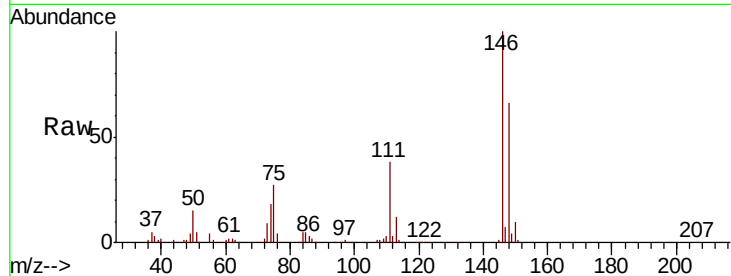




#91
 1,2-Dichlorobenzene
 Concen: 44.939 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD065641.D
 Acq: 17 Apr 2020 13:16

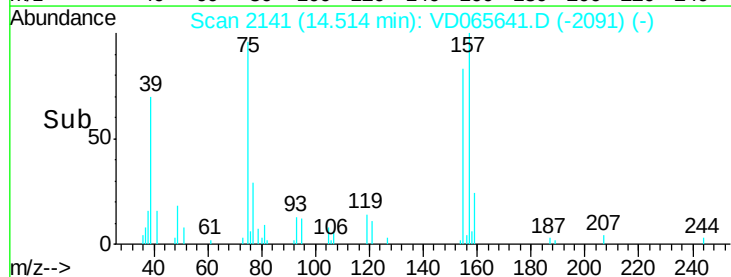
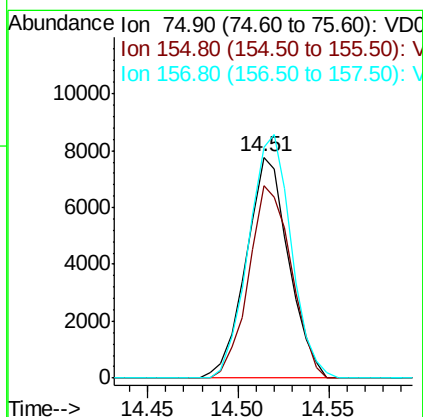
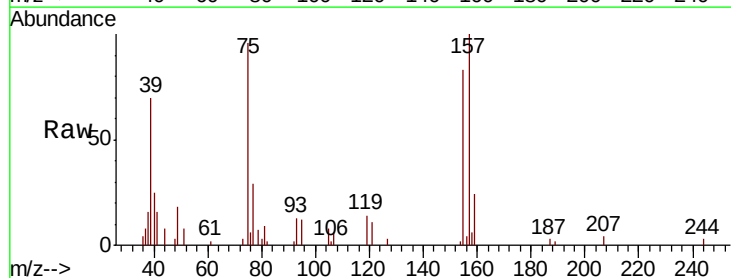
Instrument :
 MSVOA_D
 ClientSampleId :

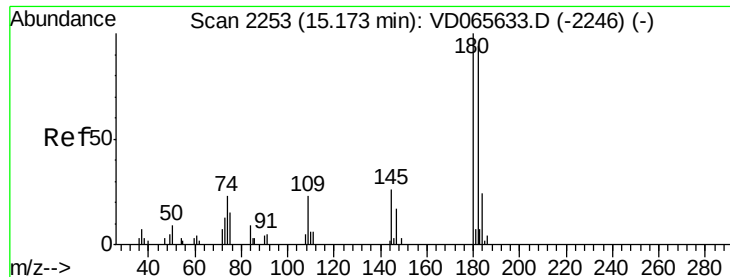
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.3	57.9
148	64.9	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.390 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065641.D
 Acq: 17 Apr 2020 13:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.6	48.0	144.2
157	109.8	59.2	177.6

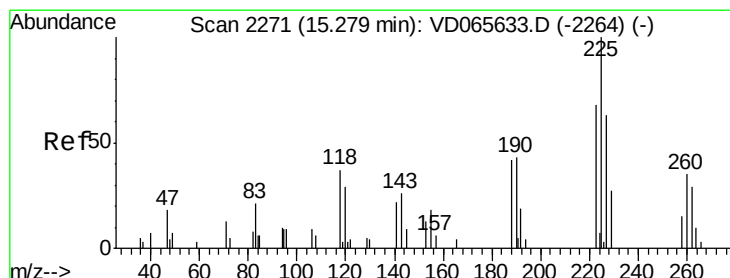
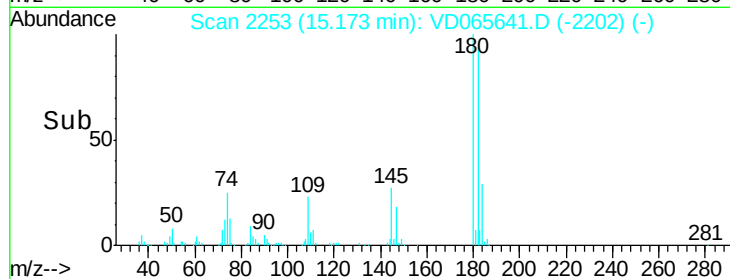
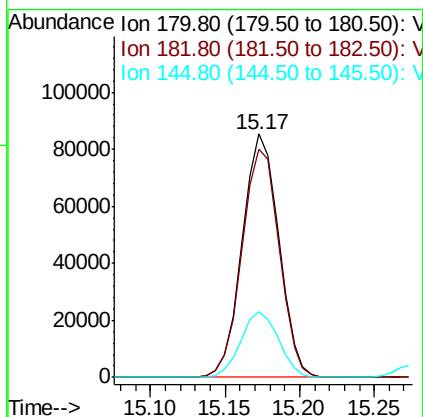
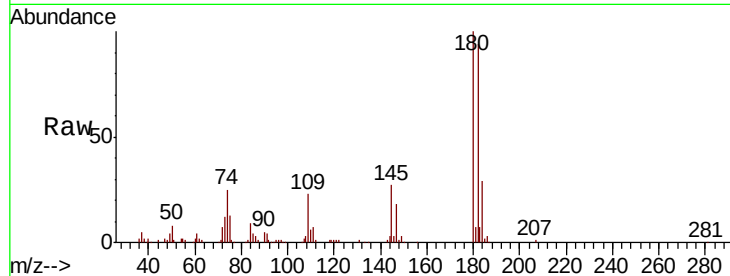




#93
 1,2,4-Trichlorobenzene
 Concen: 46.420 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD065641.D
 Acq: 17 Apr 2020 13:16

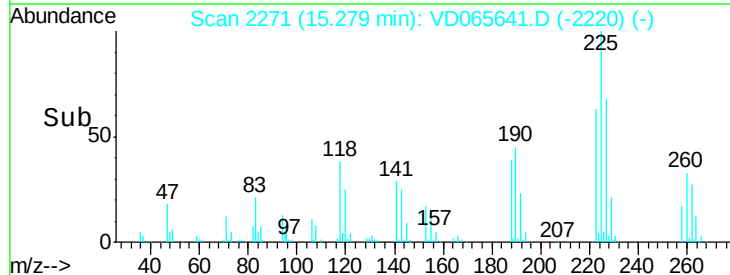
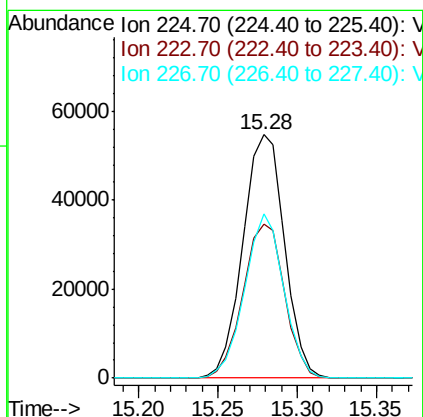
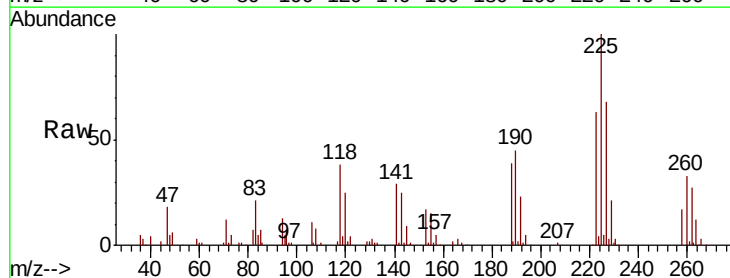
Instrument :
 MSVOA_D
 ClientSampled :

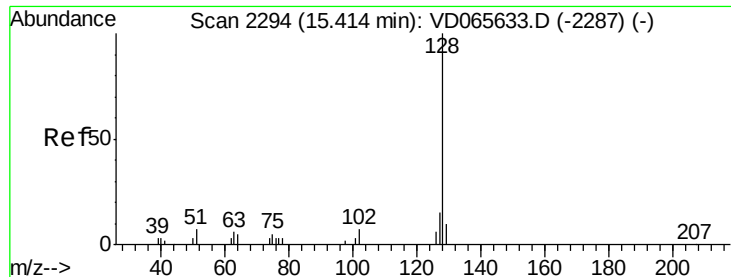
Tot Ion:180 Resp: 145003
 Ion Ratio Lower Upper
 180 100
 182 95.3 48.9 146.6
 145 27.9 13.8 41.3



#94
 Hexachlorobutadiene
 Concen: 46.566 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065641.D
 Acq: 17 Apr 2020 13:16

Tgt Ion:225 Resp: 99734
 Ion Ratio Lower Upper
 225 100
 223 63.2 31.9 95.5
 227 63.7 32.0 96.2

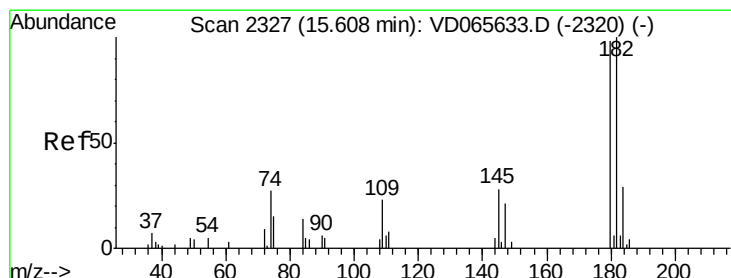
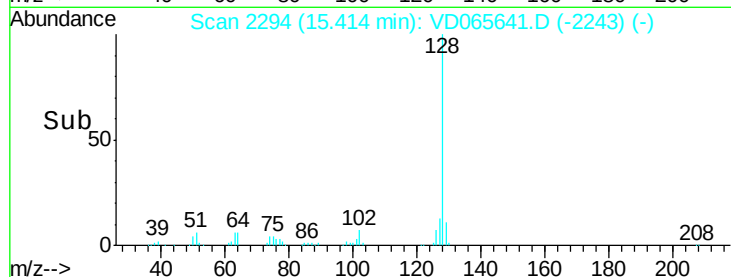
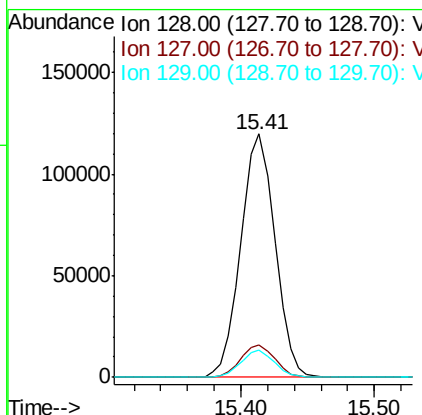
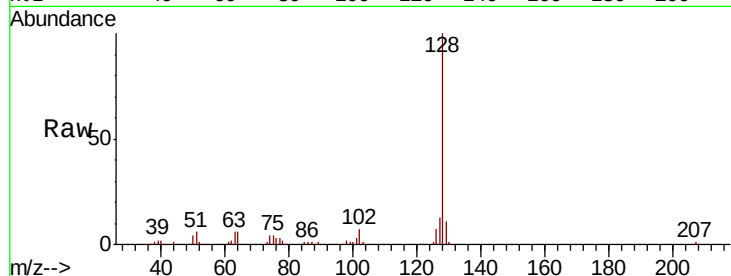




#95
Naphthalene
Concen: 40.574 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 212675
Ion Ratio Lower Upper
128 100
127 13.4 10.6 16.0
129 10.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 45.846 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065641.D
Acq: 17 Apr 2020 13:16

Tgt Ion:180 Resp: 126346
Ion Ratio Lower Upper
180 100
182 94.7 47.8 143.3
145 29.7 15.0 45.0

