

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111519\
 Data File : VD064240.D
 Acq On : 15 Nov 2019 21:46
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 18 00:41:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	604596	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	892988	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	774734	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	379492	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	266518	53.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.20%	
35) Dibromofluoromethane	7.92	113	271042	52.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.76%	
50) Toluene-d8	10.34	98	975132	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	
62) 4-Bromofluorobenzene	12.64	95	324687	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	242171	48.296	ug/l	99
3) Chloromethane	2.21	50	290887	54.083	ug/l	99
4) Vinyl Chloride	2.35	62	334627	58.180	ug/l	99
5) Bromomethane	2.77	94	232177	63.927	ug/l	99
6) Chloroethane	2.92	64	228472	62.166	ug/l	97
7) Trichlorofluoromethane	3.27	101	575737	61.741	ug/l	96
8) Diethyl Ether	3.71	74	143600	56.006	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.08	101	272920	51.206	ug/l	99
10) Methyl Iodide	4.30	142	315145	51.725	ug/l	100
11) Tert butyl alcohol	5.25	59	103154	297.014	ug/l #	69
12) 1,1-Dichloroethene	4.06	96	263538	51.875	ug/l	97
13) Acrolein	3.93	56	100106	340.716	ug/l	100
14) Allyl chloride	4.71	41	448029	49.878	ug/l	96
15) Acrylonitrile	5.43	53	324464	296.835	ug/l	99
16) Acetone	4.17	43	242589	205.937	ug/l	95
17) Carbon Disulfide	4.40	76	788165	49.817	ug/l	99
18) Methyl Acetate	4.73	43	179592	54.585	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	686849	56.633	ug/l	99
20) Methylene Chloride	4.97	84	300099	50.434	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	301559	52.392	ug/l	97
22) Diisopropyl ether	6.37	45	894131	53.649	ug/l	100
23) Vinyl Acetate	6.31	43	2705531	291.226	ug/l	98
24) 1,1-Dichloroethane	6.27	63	515156	53.236	ug/l	99
25) 2-Butanone	7.22	43	405567	266.491	ug/l	100
26) 2,2-Dichloropropane	7.21	77	445791	46.975	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	338952	54.914	ug/l	94
28) Bromochloromethane	7.55	49	195684	58.084	ug/l	97
29) Tetrahydrofuran	7.57	42	266909	291.903	ug/l	97
30) Chloroform	7.71	83	554888	56.058	ug/l	100
31) Cyclohexane	7.98	56	458968	47.029	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	492724	51.986	ug/l	99
36) 1,1-Dichloropropene	8.11	75	409025	49.630	ug/l	99
37) Ethyl Acetate	7.30	43	189856	54.644	ug/l	100
38) Carbon Tetrachloride	8.10	117	454462	51.534	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	503518	48.283	ug/l	97
40) Benzene	8.36	78	1162866	51.627	ug/l	98
41) Methacrylonitrile	7.53	41	123632	56.615	ug/l #	92
42) 1,2-Dichloroethane	8.43	62	361001	53.364	ug/l	100
43) Isopropyl Acetate	8.46	43	388219	54.230	ug/l	99
44) Trichloroethene	9.11	130	347415	51.391	ug/l	97
45) 1,2-Dichloropropane	9.39	63	288751	52.669	ug/l	97
46) Dibromomethane	9.48	93	164199	55.945	ug/l	99
47) Bromodichloromethane	9.67	83	426461	53.943	ug/l	98
48) Methyl methacrylate	9.46	41	181775	51.929	ug/l	93
49) 1,4-Dioxane	9.47	88	40870	1159.456	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	953418	277.727	ug/l	99
52) Toluene	10.41	92	754340	50.931	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	418370	52.822	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	480446	51.983	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	224487	56.382	ug/l	95
56) Ethyl methacrylate	10.67	69	307274	55.169	ug/l	95
57) 1,3-Dichloropropane	10.95	76	383755	55.265	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	601884	266.777	ug/l	99
59) 2-Hexanone	10.99	43	643531	263.490	ug/l	98
60) Dibromochloromethane	11.14	129	310451	55.880	ug/l	98
61) 1,2-Dibromoethane	11.25	107	222314	55.747	ug/l	99
64) Tetrachloroethene	10.88	164	295152	49.535	ug/l	95
65) Chlorobenzene	11.67	112	815661	51.774	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	316259	52.794	ug/l	98
67) Ethyl Benzene	11.75	91	1464822	51.403	ug/l	100
68) m/p-Xylenes	11.86	106	1115067	102.086	ug/l	99
69) o-Xylene	12.18	106	520965	51.426	ug/l	99
70) Styrene	12.20	104	920405	52.050	ug/l	99
71) Bromoform	12.37	173	194116	56.939	ug/l	100
73) Isopropylbenzene	12.48	105	1388961	49.865	ug/l	99
74) N-amyl acetate	12.30	43	348026	52.909	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	234353	55.836	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	317323	103.813	ug/l #	100
77) Bromobenzene	12.77	156	358216	52.935	ug/l	99
78) n-propylbenzene	12.83	91	1603681	50.392	ug/l	99
79) 2-Chlorotoluene	12.91	91	894089	49.762	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	1137155	49.683	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	79118	51.415	ug/l	98
82) 4-Chlorotoluene	13.01	91	936016	49.947	ug/l	99
83) tert-Butylbenzene	13.23	119	1003695	49.732	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	1151517	50.960	ug/l	100
85) sec-Butylbenzene	13.41	105	1353995	49.951	ug/l	100
86) p-Isopropyltoluene	13.53	119	1281217	49.717	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	663364	52.809	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	640762	52.264	ug/l	99
89) n-Butylbenzene	13.85	91	1150979	49.436	ug/l	99
90) Hexachloroethane	14.12	117	239689	50.327	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	566947	53.323	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	39364	52.455	ug/l	97

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Response via : Initial Calibration

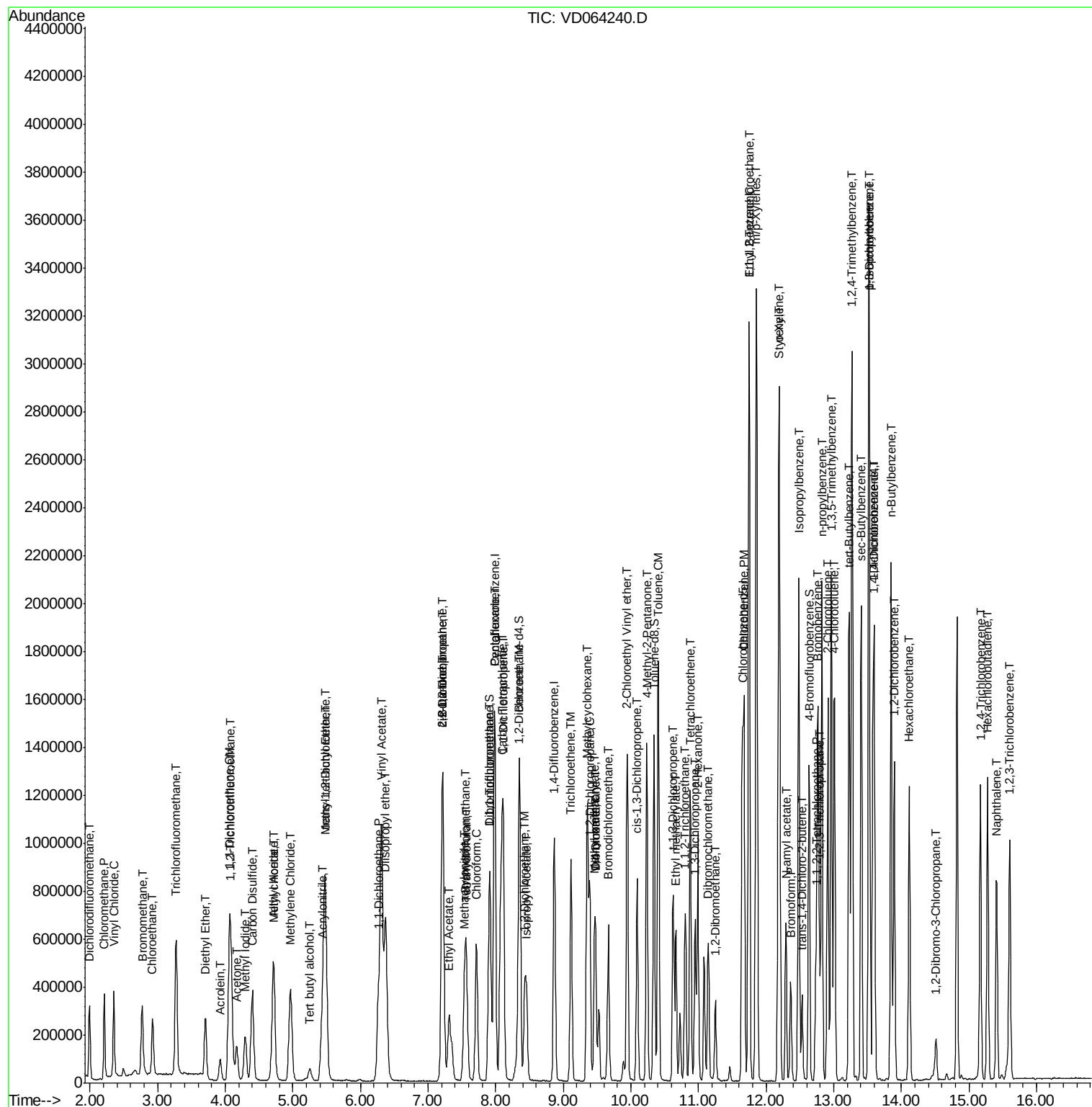
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	434285	52.949	ug/l	100
94) Hexachlorobutadiene	15.28	225	266171	50.244	ug/l	99
95) Naphthalene	15.41	128	750723	55.837	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	382019	54.794	ug/l	99

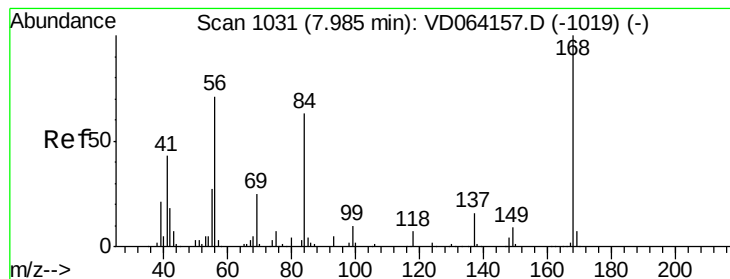
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064240.D

Acq: 15 Nov 2019 21:46

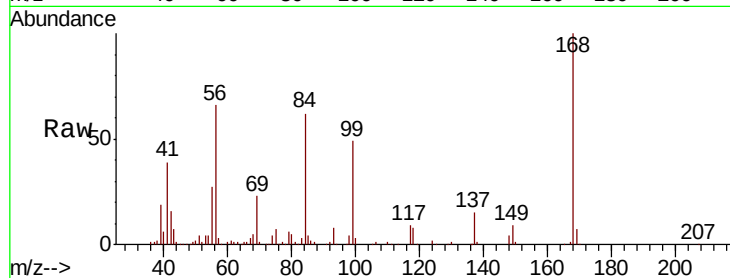
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 604596

Ion Ratio Lower Upper

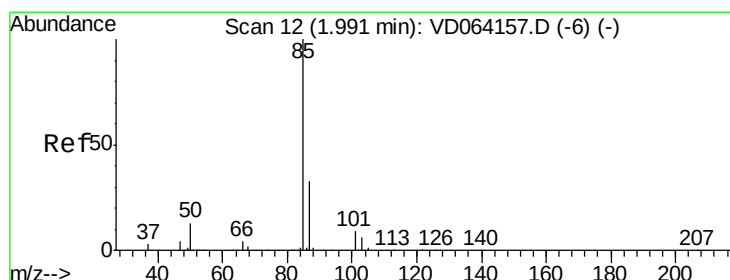
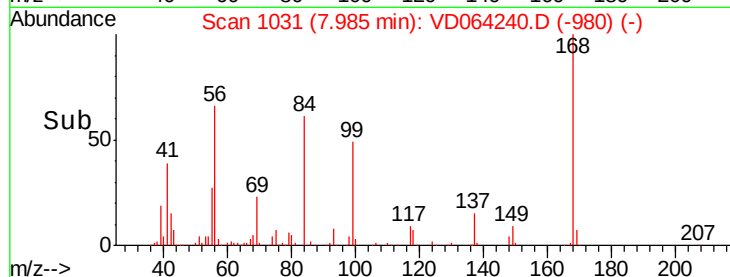
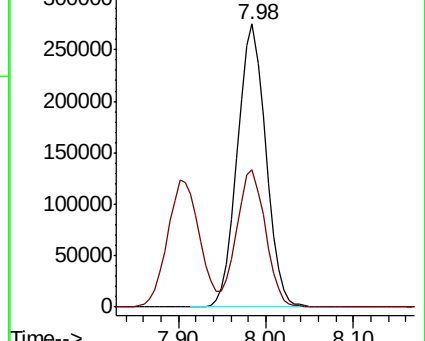
168 100

99 48.5 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 48.296 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064240.D

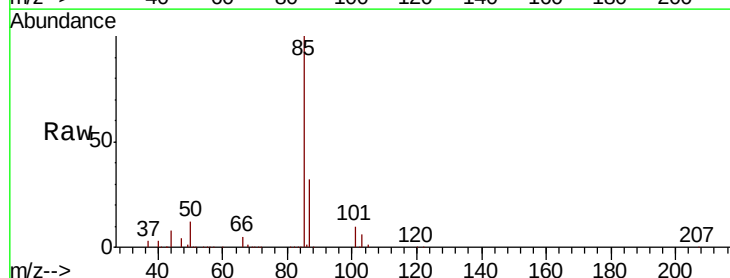
Acq: 15 Nov 2019 21:46

Tgt Ion: 85 Resp: 242171

Ion Ratio Lower Upper

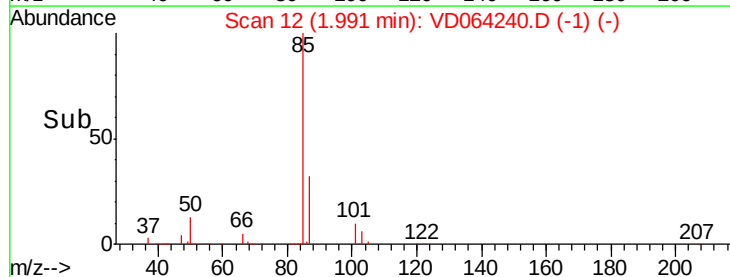
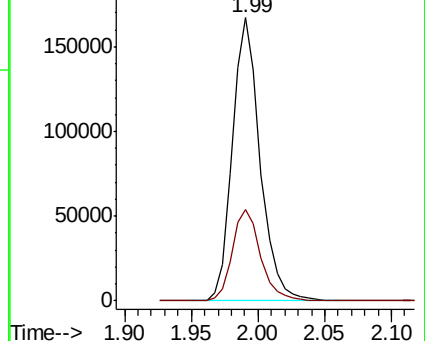
85 100

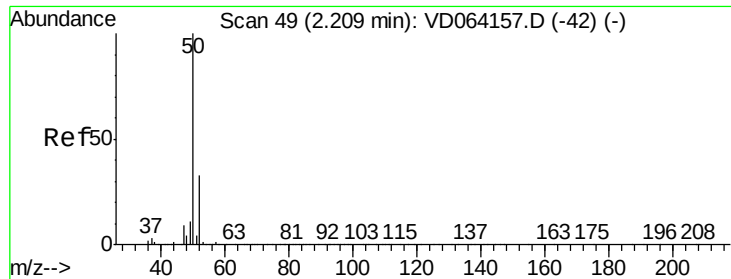
87 32.3 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 54.083 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064240.D

Acq: 15 Nov 2019 21:46

Instrument :

MSVOA_D

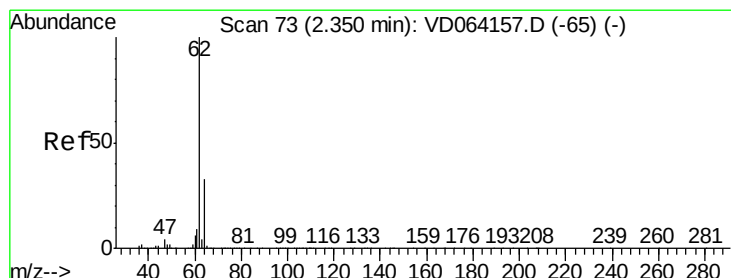
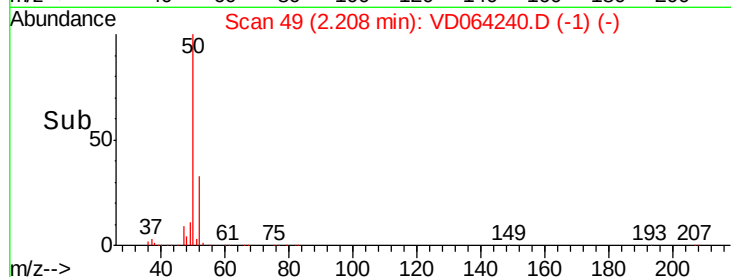
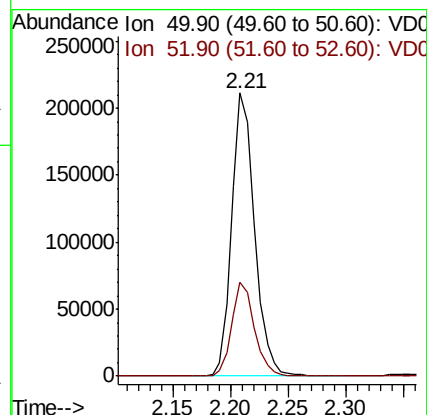
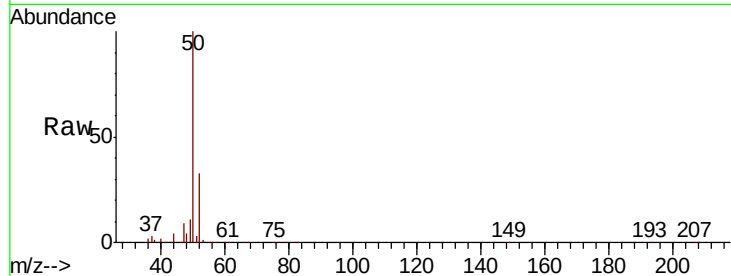
ClientSampleId :

Tot Ion: 50 Resp: 290887

Ion Ratio Lower Upper

50 100

52 33.2 26.2 39.4



#4

Vinyl Chloride

Concen: 58.180 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064240.D

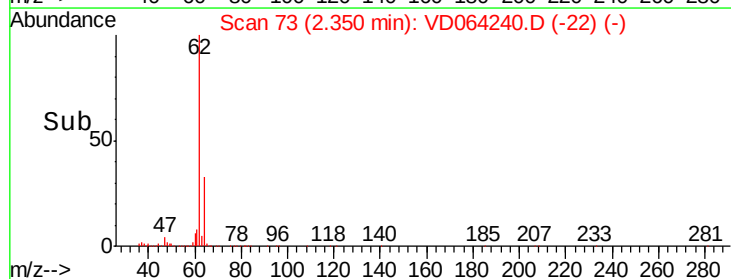
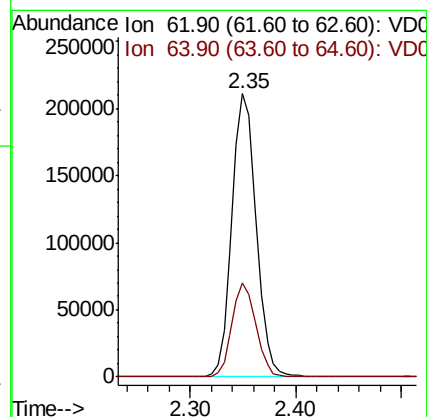
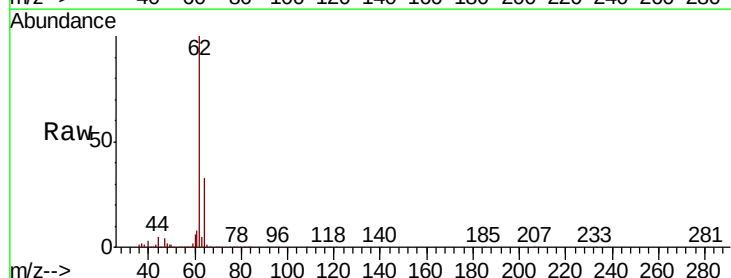
Acq: 15 Nov 2019 21:46

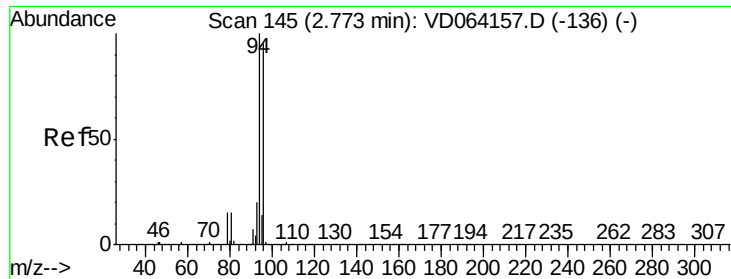
Tgt Ion: 62 Resp: 334627

Ion Ratio Lower Upper

62 100

64 33.1 26.2 39.2





#5

Bromomethane

Concen: 63.927 ug/l

RT: 2.77 min Scan# 145

Delta R.T. -0.00 min

Lab File: VD064240.D

Acq: 15 Nov 2019 21:46

Instrument :

MSVOA_D

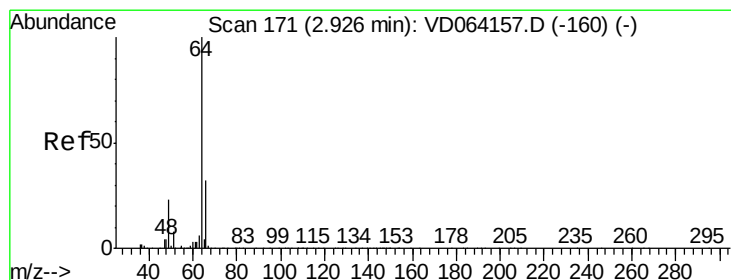
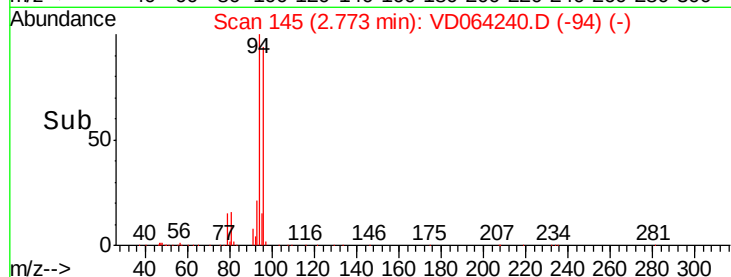
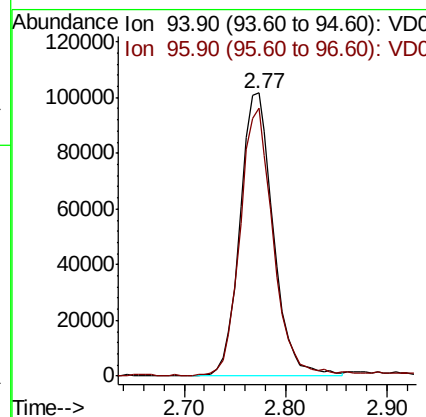
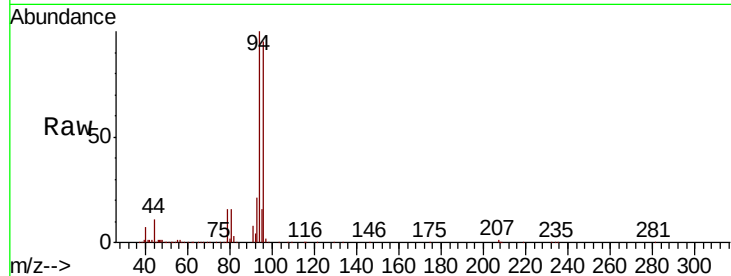
ClientSampled :

Tot Ion: 94 Resp: 232177

Ion Ratio Lower Upper

94 100

96 94.2 76.2 114.4



#6

Chloroethane

Concen: 62.166 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064240.D

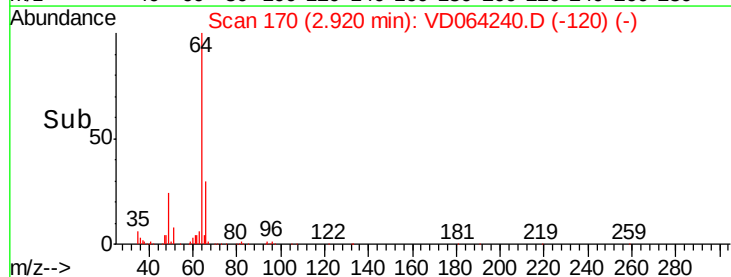
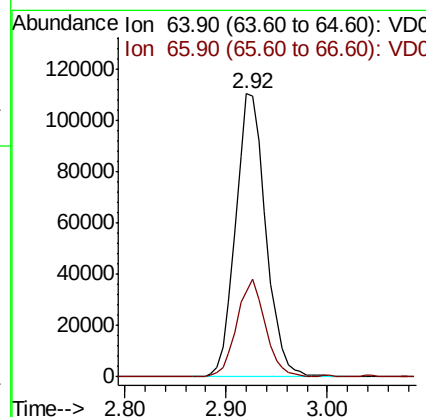
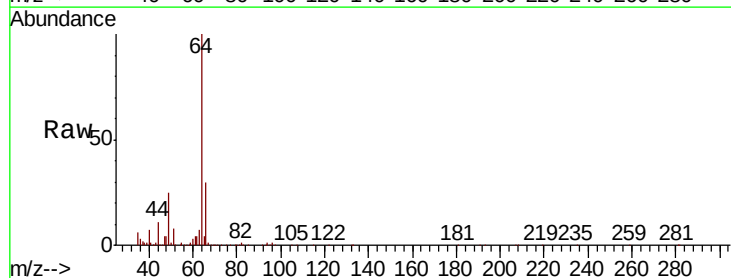
Acq: 15 Nov 2019 21:46

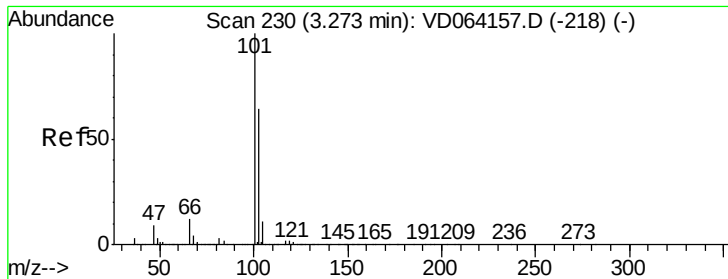
Tgt Ion: 64 Resp: 228472

Ion Ratio Lower Upper

64 100

66 30.2 25.5 38.3



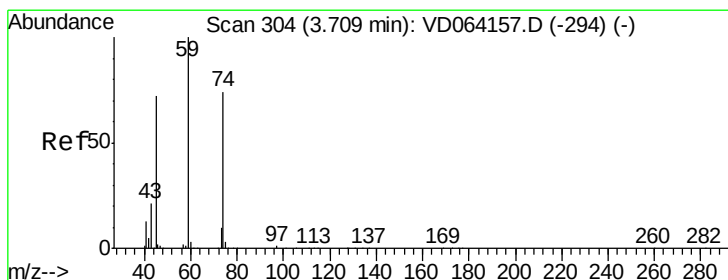
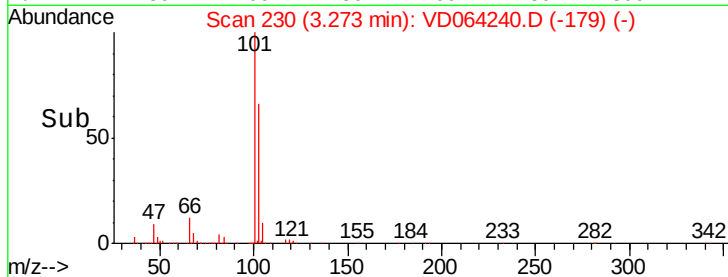
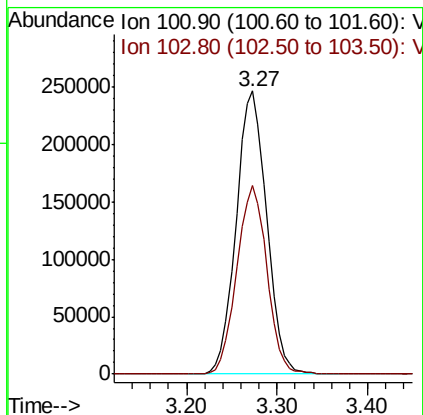
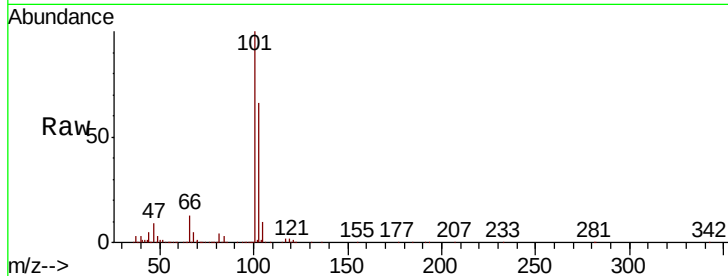


#7

Trichlorofluoromethane
 Concen: 61.741 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD064240.D
 Acq: 15 Nov 2019 21:46

Instrument :
 MSVOA_D
 ClientSampleId :

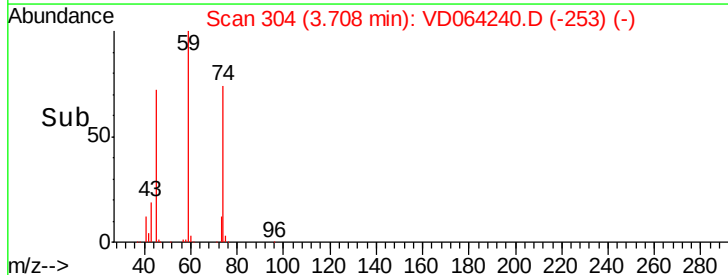
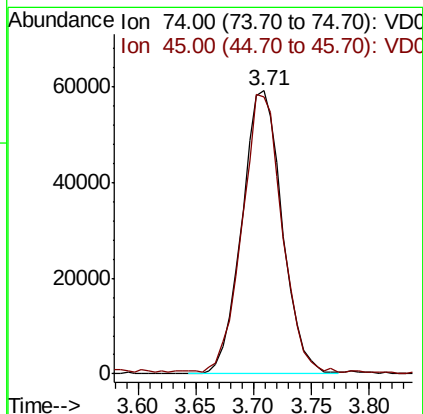
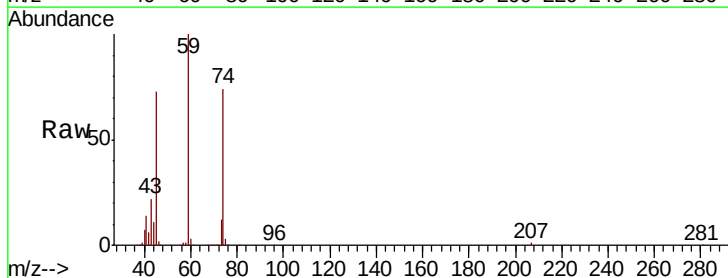
Tot Ion:101 Resp: 575737
 Ion Ratio Lower Upper
 101 100
 103 66.5 50.8 76.2

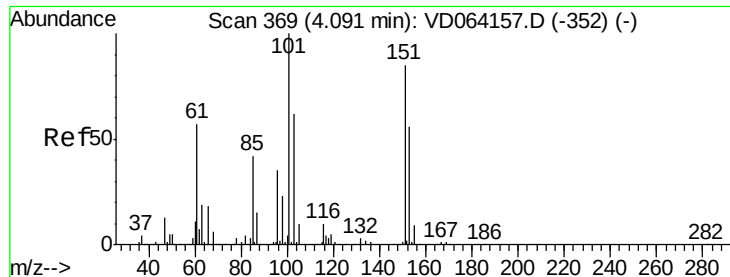


#8

Diethyl Ether
 Concen: 56.006 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD064240.D
 Acq: 15 Nov 2019 21:46

Tgt Ion: 74 Resp: 143600
 Ion Ratio Lower Upper
 74 100
 45 96.7 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.206 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064240.D

Acq: 15 Nov 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

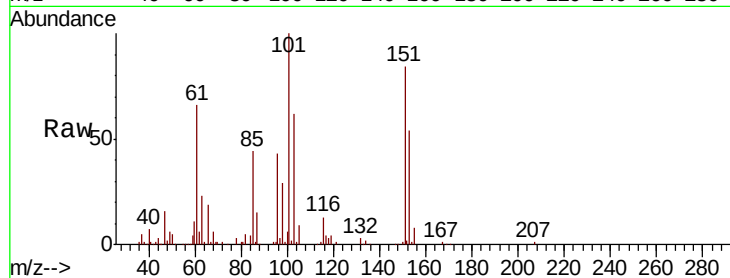
Tot Ion:101 Resp: 272920

Ion Ratio Lower Upper

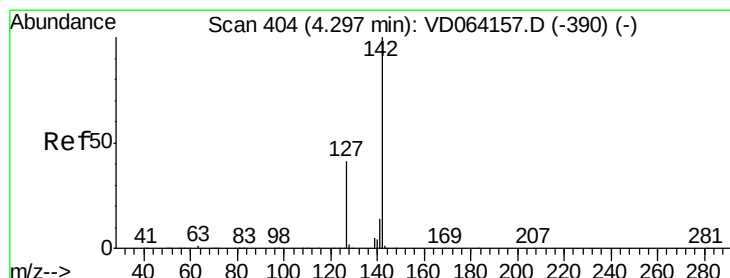
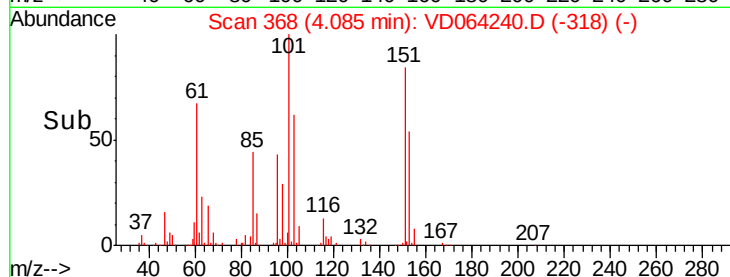
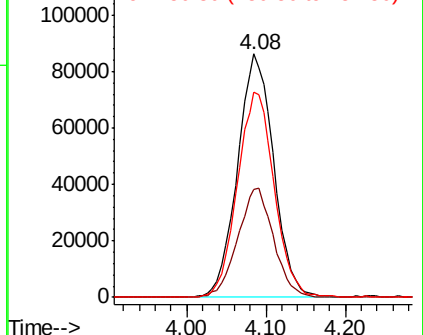
101 100

85 44.3 34.4 51.6

151 85.8 68.1 102.1



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: 51.725 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD064240.D

Acq: 15 Nov 2019 21:46

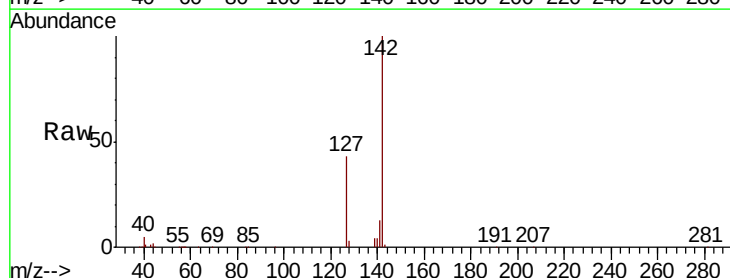
Tgt Ion:142 Resp: 315145

Ion Ratio Lower Upper

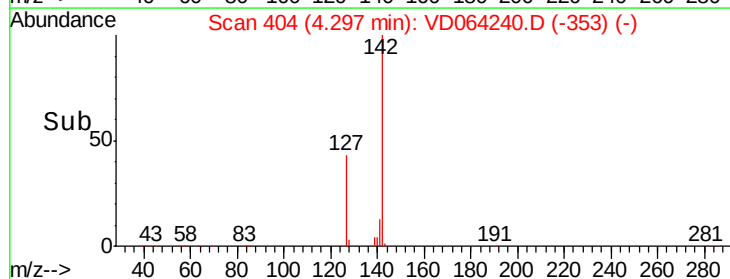
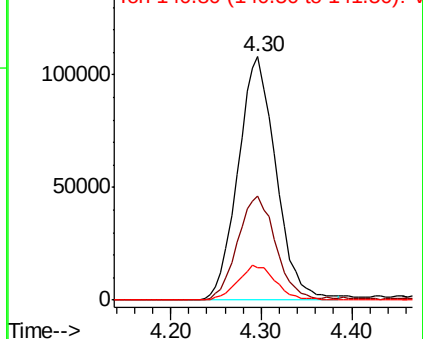
142 100

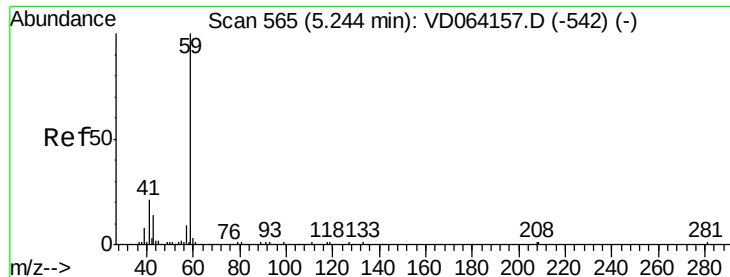
127 43.0 34.4 51.6

141 14.6 11.2 16.8



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



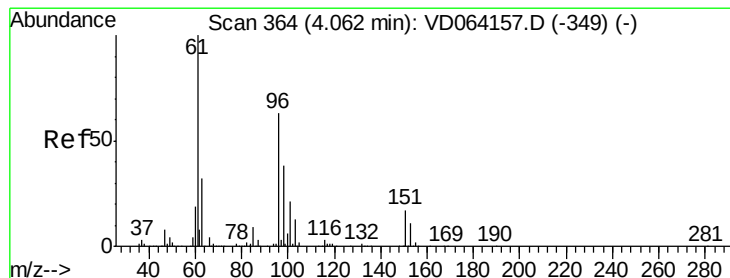
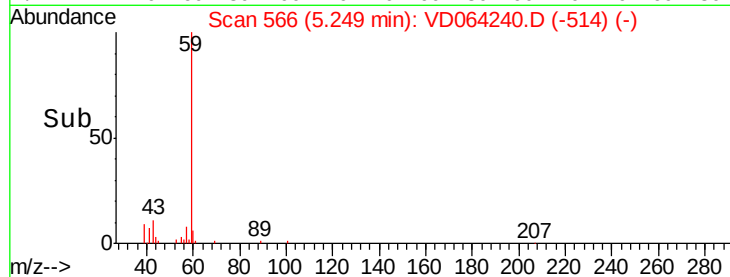
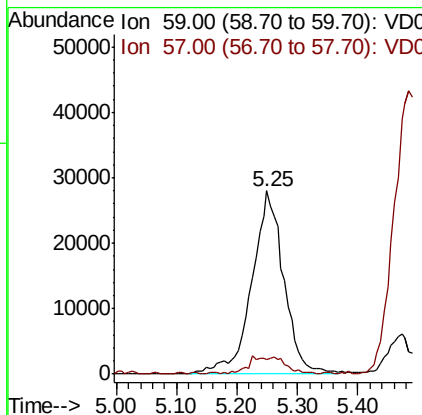
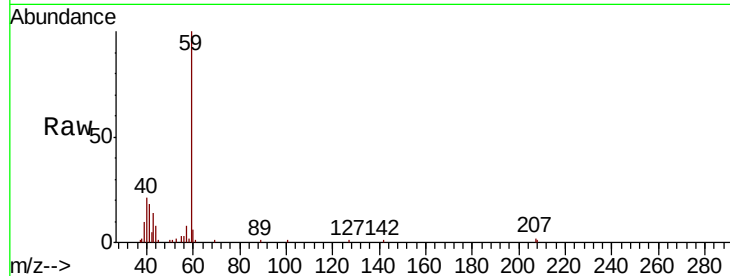


#11

Tert butyl alcohol
 Concen: 297.014 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VD064240.D
 Acq: 15 Nov 2019 21:46

Instrument :
 MSVOA_D
 ClientSampleId :

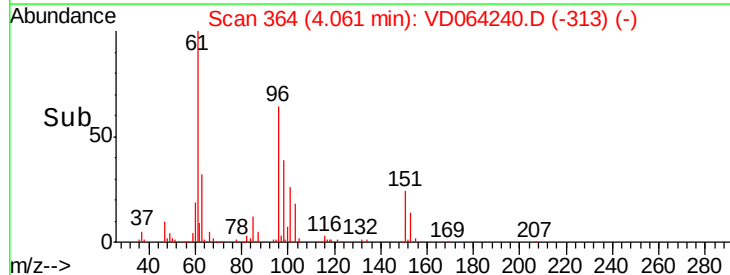
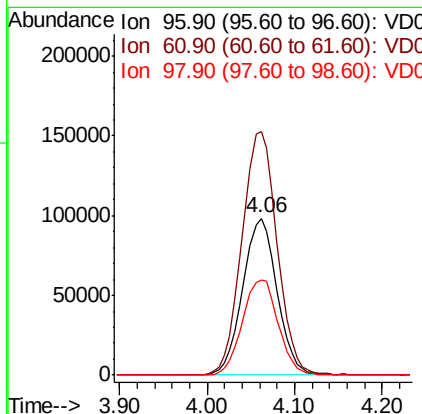
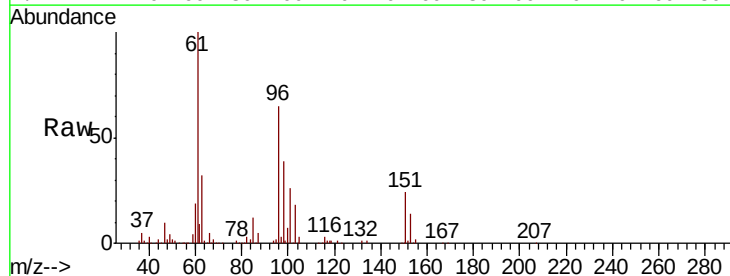
Tot Ion: 59 Resp: 103154
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.4 14.2#

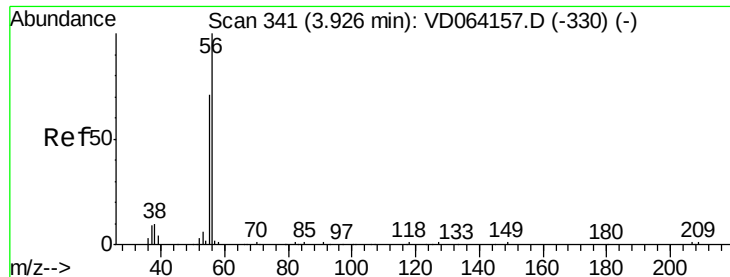


#12

1,1-Dichloroethene
 Concen: 51.875 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VD064240.D
 Acq: 15 Nov 2019 21:46

Tgt Ion: 96 Resp: 263538
 Ion Ratio Lower Upper
 96 100
 61 155.0 127.4 191.2
 98 60.7 48.1 72.1





#13

Acrolein

Concen: 340.716 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD064240.D

Acq: 15 Nov 2019 21:46

Instrument :

MSVOA_D

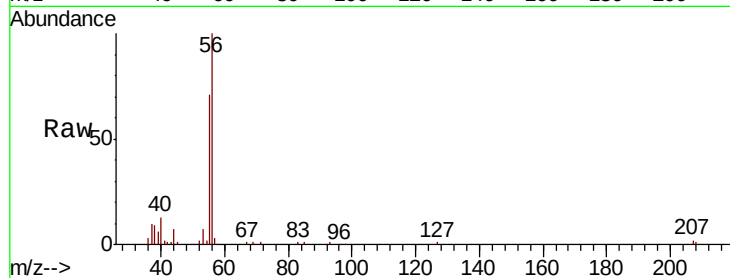
ClientSampleId :

Tot Ion: 56 Resp: 100106

Ion Ratio Lower Upper

56 100

55 69.9 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.93

40000

30000

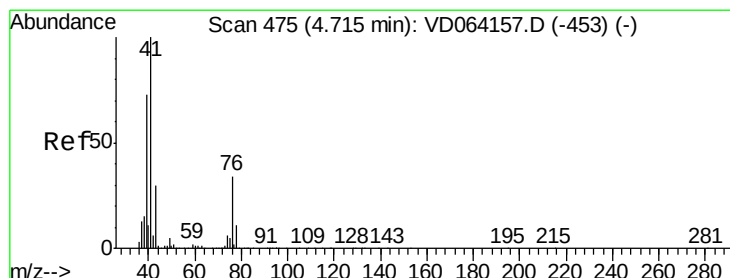
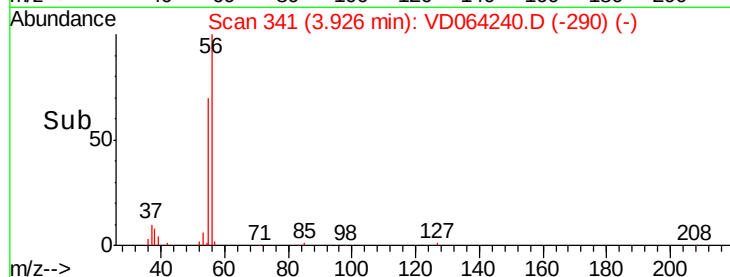
20000

10000

0

Time-->

3.80 3.90 4.00



#14

Allyl chloride

Concen: 49.878 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064240.D

Acq: 15 Nov 2019 21:46

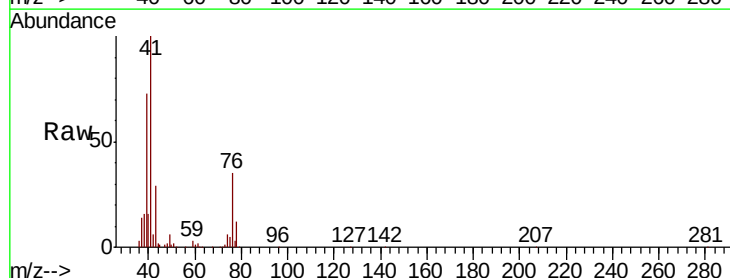
Tgt Ion: 41 Resp: 448029

Ion Ratio Lower Upper

41 100

39 74.8 57.5 86.3

76 36.2 26.8 40.2



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

150000

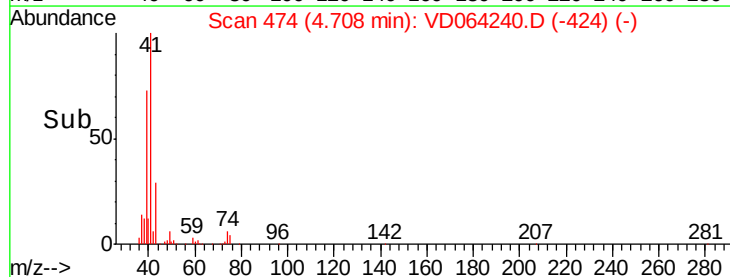
100000

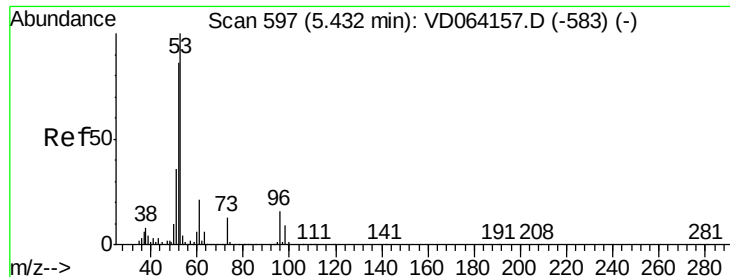
50000

0

Time-->

4.50 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 296.835 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064240.D

Acq: 15 Nov 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

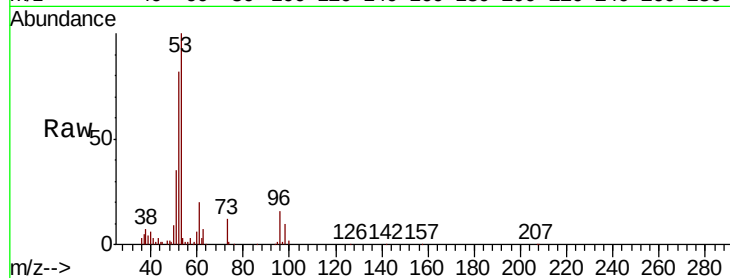
Tot Ion: 53 Resp: 324464

Ion Ratio Lower Upper

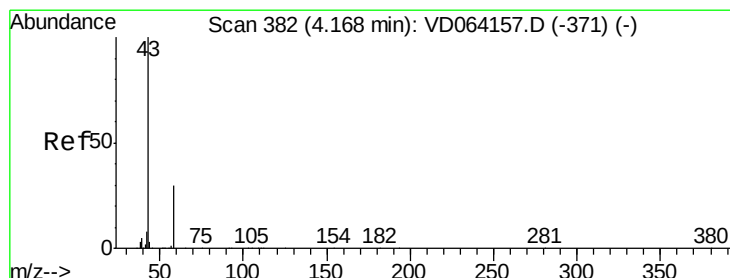
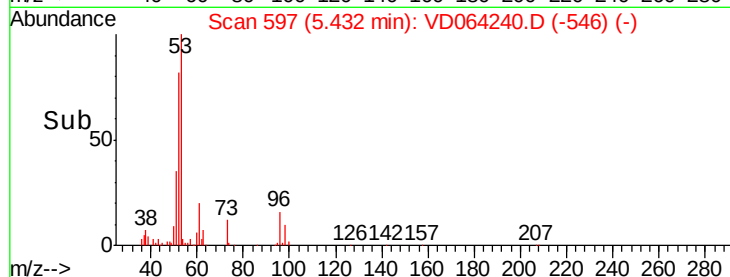
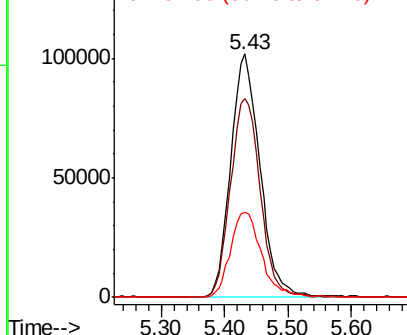
53 100

52 82.8 66.7 100.1

51 37.1 30.6 46.0



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



#16

Acetone

Concen: 205.937 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD064240.D

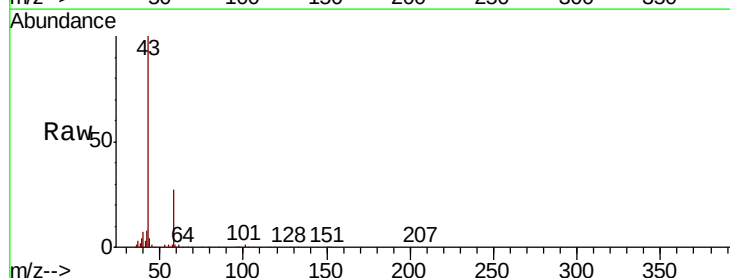
Acq: 15 Nov 2019 21:46

Tgt Ion: 43 Resp: 242589

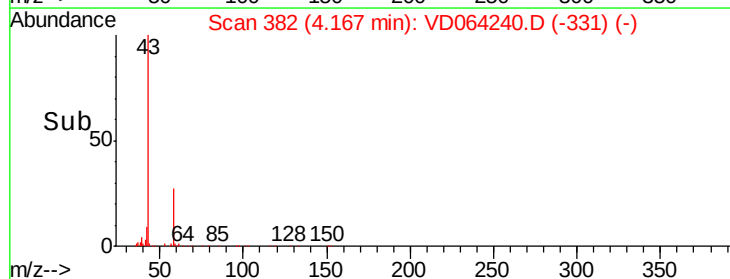
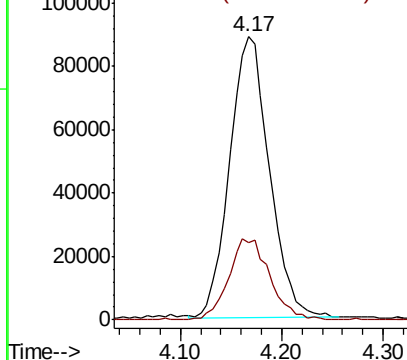
Ion Ratio Lower Upper

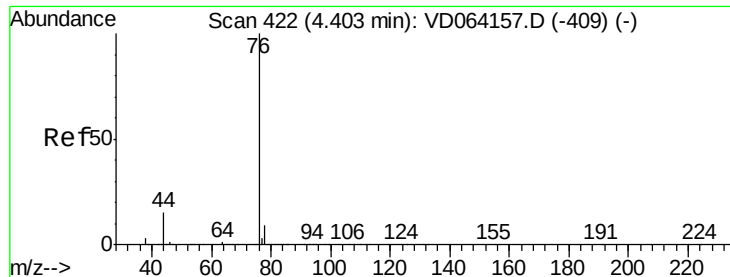
43 100

58 27.3 24.1 36.1



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





#17

Carbon Disulfide

Concen: 49.817 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD064240.D

Acq: 15 Nov 2019 21:46

Instrument :

MSVOA_D

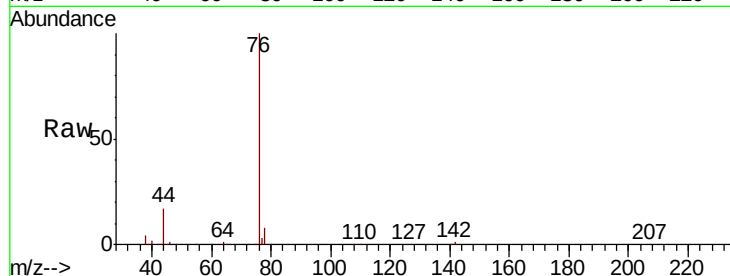
ClientSampleId :

Tot Ion: 76 Resp: 788165

Ion Ratio Lower Upper

76 100

78 8.5 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

300000

250000

200000

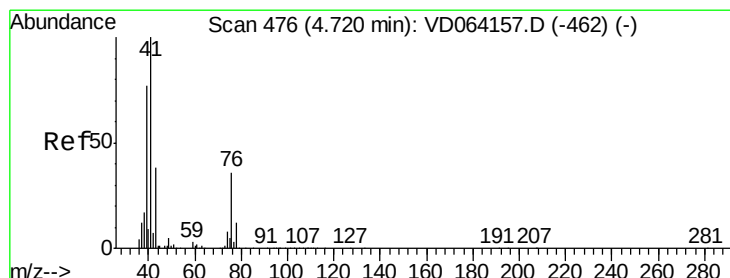
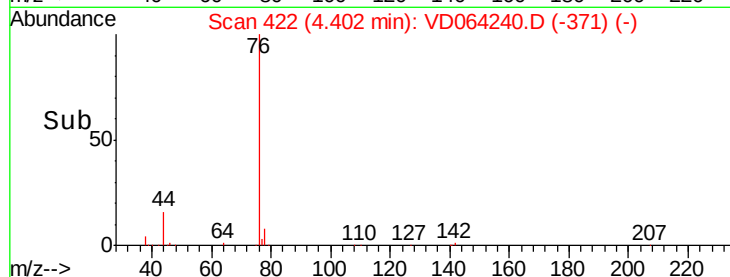
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 54.585 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD064240.D

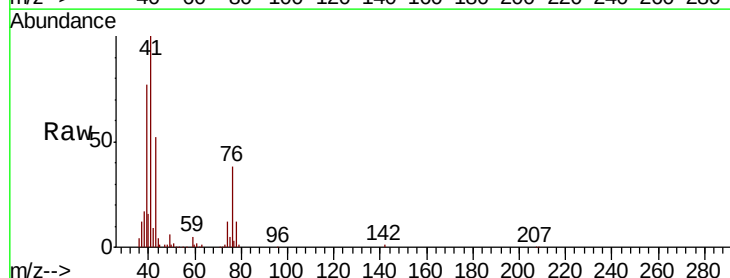
Acq: 15 Nov 2019 21:46

Tgt Ion: 43 Resp: 179592

Ion Ratio Lower Upper

43 100

74 23.8 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.73

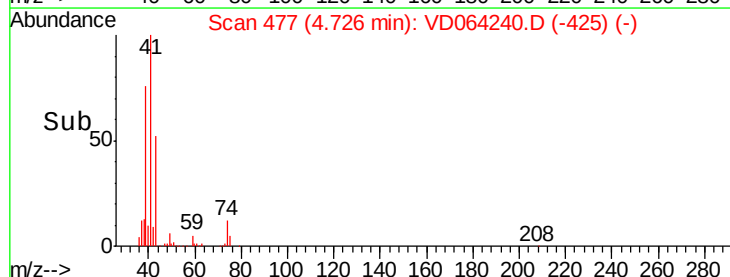
60000

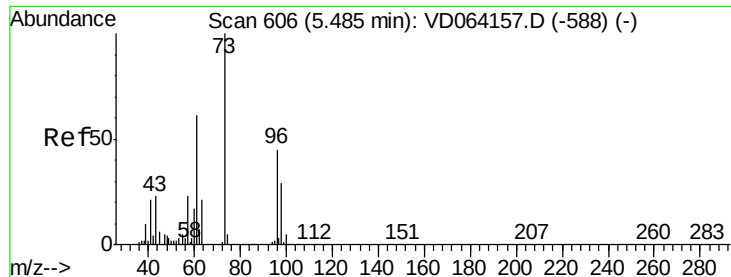
40000

20000

0

Time-->



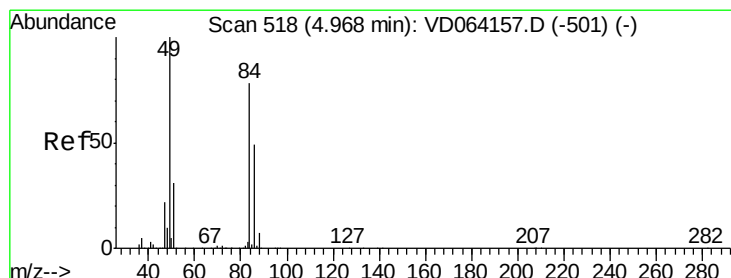
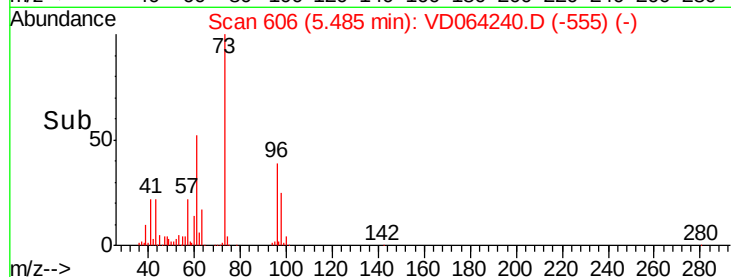
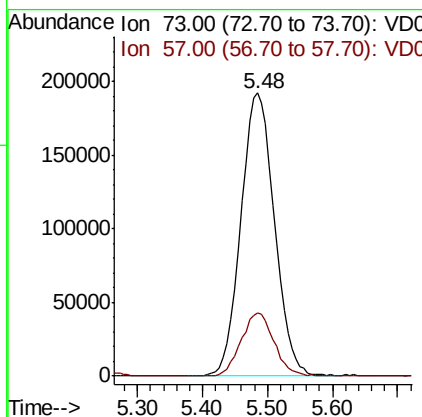
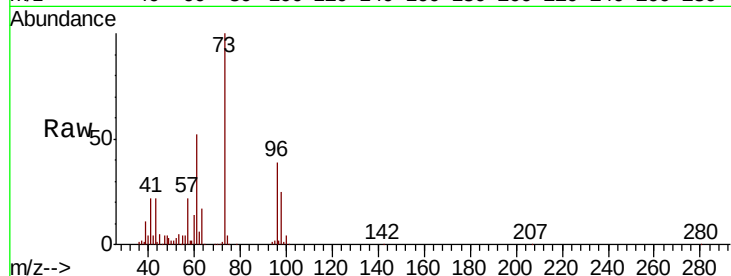


#19

Methyl tert-butyl Ether
 Concen: 56.633 ug/l
 RT: 5.48 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VD064240.D
 Acq: 15 Nov 2019 21:46

Instrument :
 MSVOA_D
 ClientSampleID :

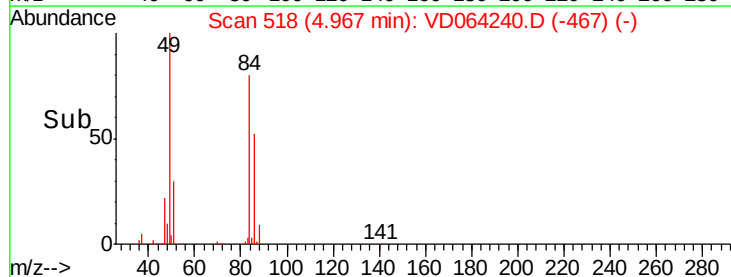
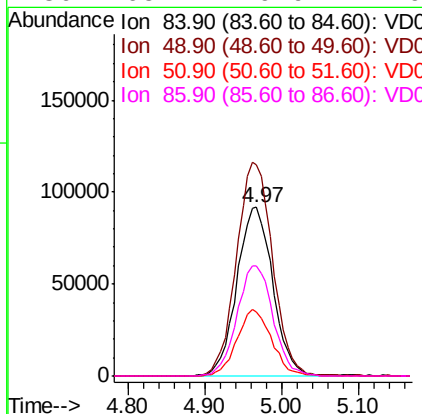
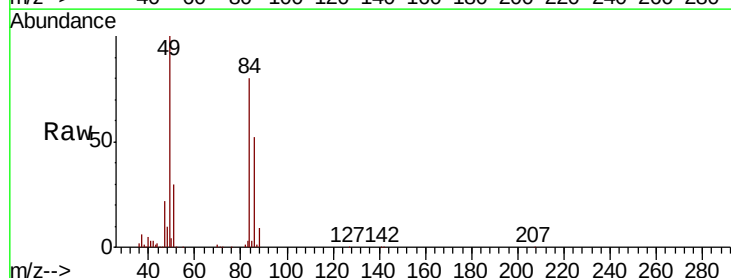
Tot Ion: 73 Resp: 686849
 Ion Ratio Lower Upper
 73 100
 57 22.5 18.4 27.6

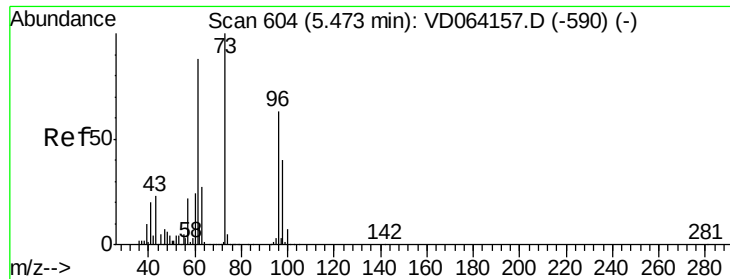


#20

Methylene Chloride
 Concen: 50.434 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. -0.00 min
 Lab File: VD064240.D
 Acq: 15 Nov 2019 21:46

Tgt Ion: 84 Resp: 300099
 Ion Ratio Lower Upper
 84 100
 49 125.4 102.1 153.1
 51 38.0 32.2 48.2
 86 65.1 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 52.392 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD064240.D

Acq: 15 Nov 2019 21:46

Instrument :
MSVOA_D
ClientSampleId :

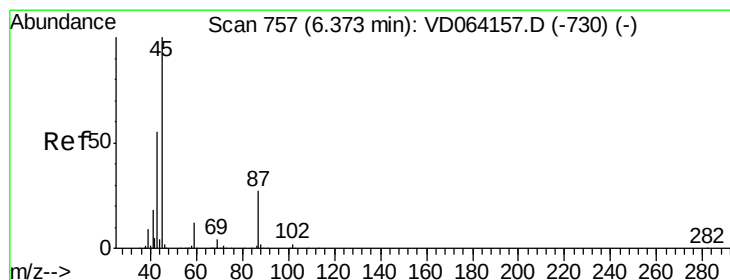
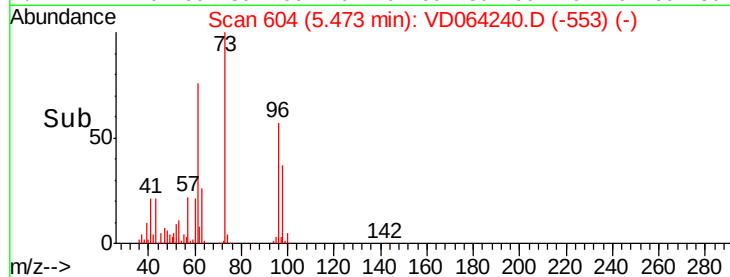
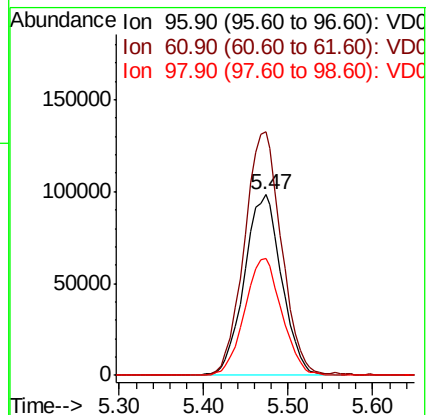
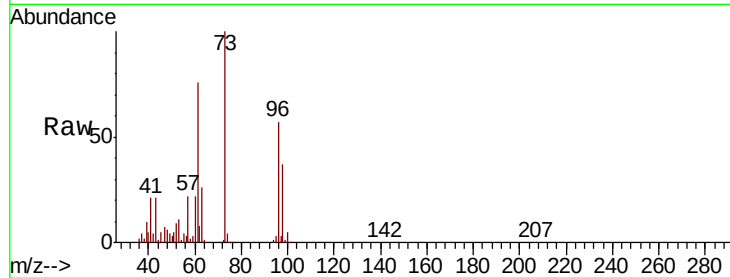
Tot Ion: 96 Resp: 301559

Ion Ratio Lower Upper

96 100

61 134.9 111.8 167.6

98 64.8 50.3 75.5



#22

Diisopropyl ether

Concen: 53.649 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064240.D

Acq: 15 Nov 2019 21:46

Tgt Ion: 45 Resp: 894131

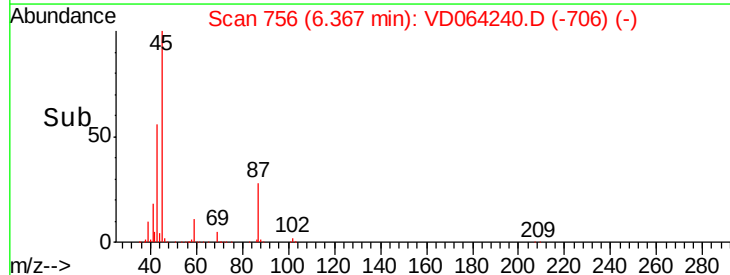
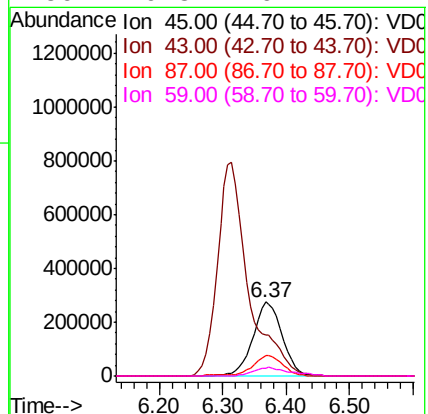
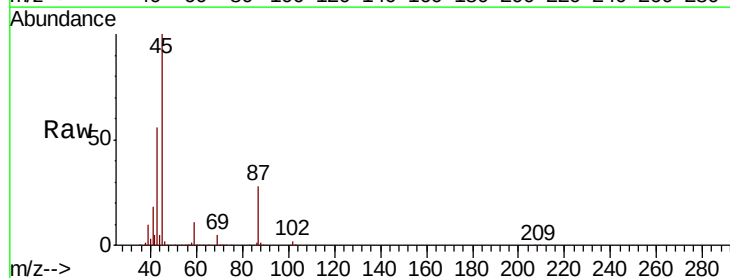
Ion Ratio Lower Upper

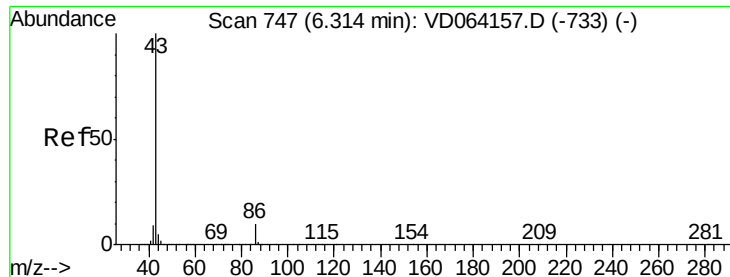
45 100

43 55.4 44.4 66.6

87 27.5 21.9 32.9

59 10.8 9.4 14.2





#23

Vinyl Acetate

Concen: 291.226 ug/l

RT: 6.31 min Scan# 747

Delta R.T. -0.00 min

Lab File: VD064240.D

Acq: 15 Nov 2019 21:46

Instrument :

MSVOA_D

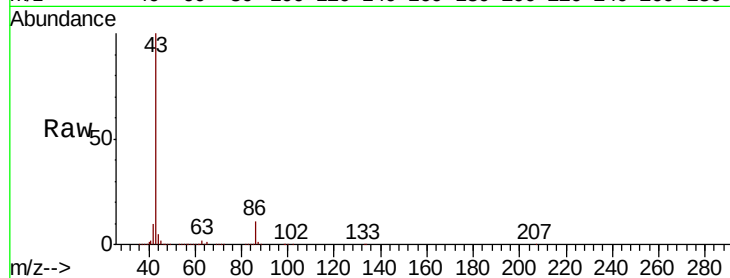
ClientSampleId :

Tot Ion: 43 Resp: 2705531

Ion Ratio Lower Upper

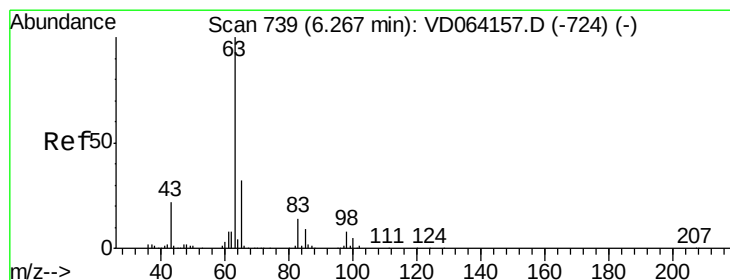
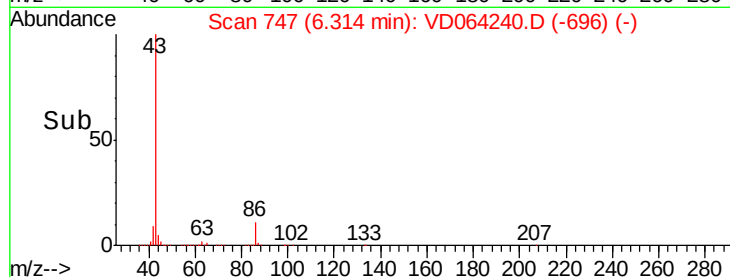
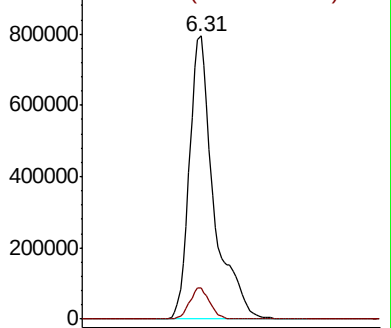
43 100

86 11.0 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 53.236 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD064240.D

Acq: 15 Nov 2019 21:46

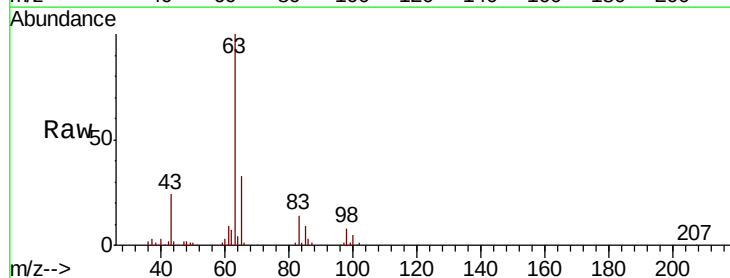
Tgt Ion: 63 Resp: 515156

Ion Ratio Lower Upper

63 100

98 8.2 3.8 11.4

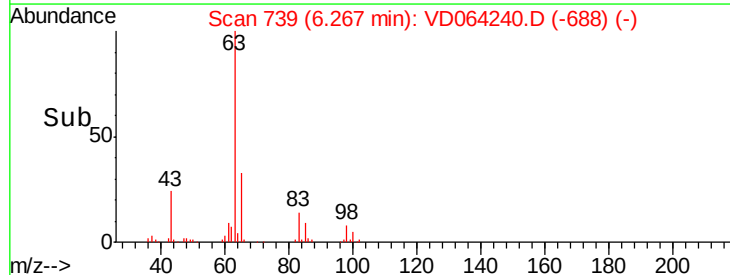
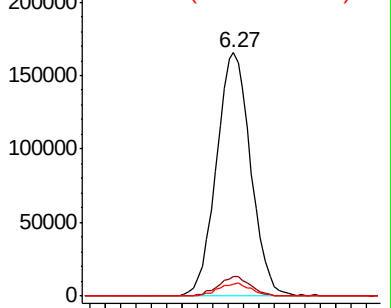
100 5.1 2.4 7.2

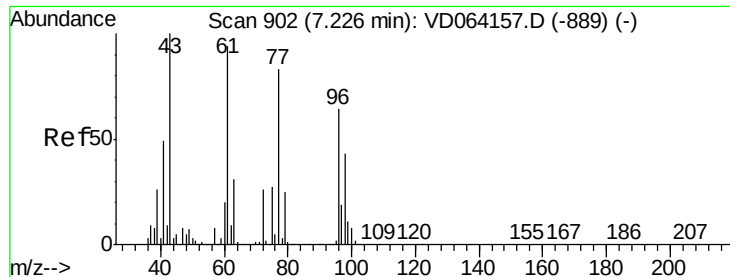


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 266.491 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064240.D

Acq: 15 Nov 2019 21:46

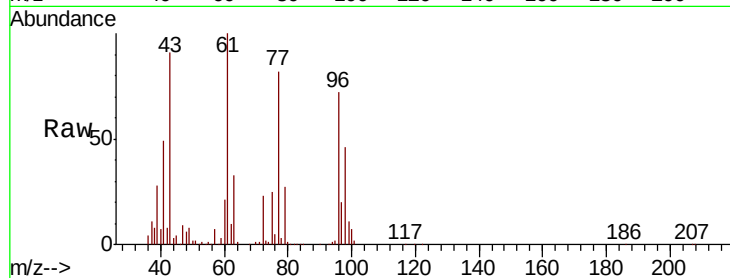
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 405567

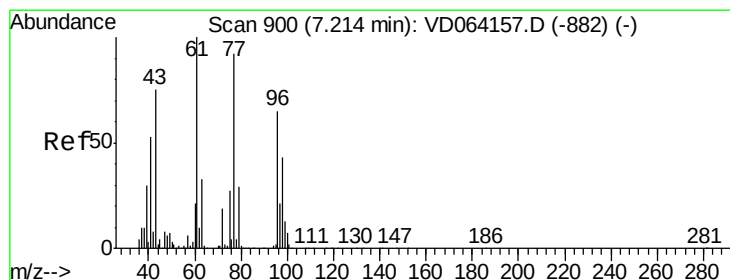
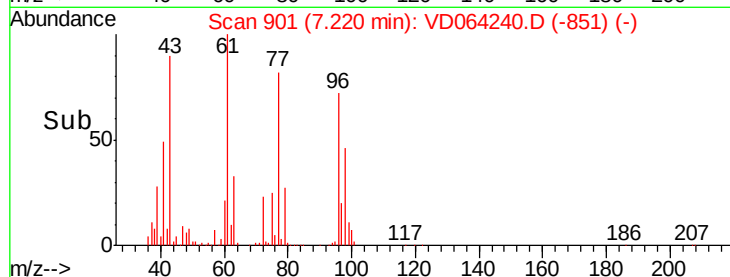
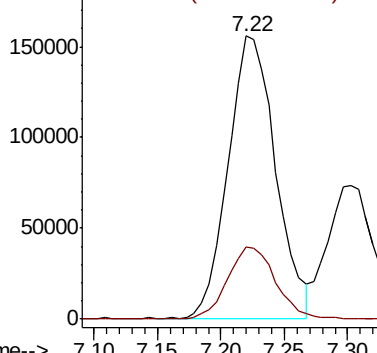
Ion Ratio Lower Upper

43 100

72 25.7 20.6 30.8



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



#26

2,2-Dichloropropane

Concen: 46.975 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064240.D

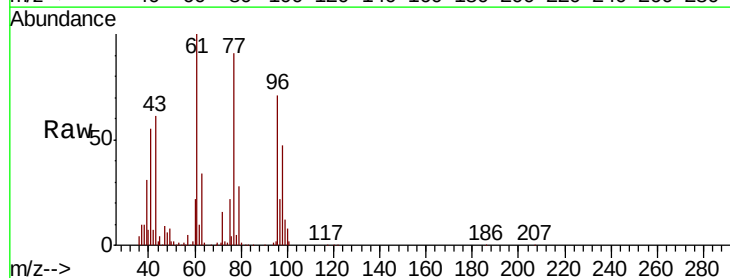
Acq: 15 Nov 2019 21:46

Tgt Ion: 77 Resp: 445791

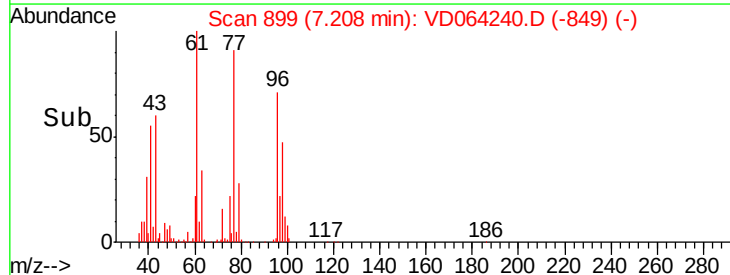
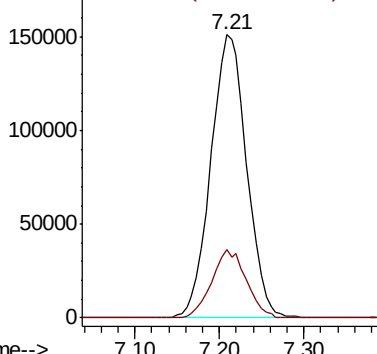
Ion Ratio Lower Upper

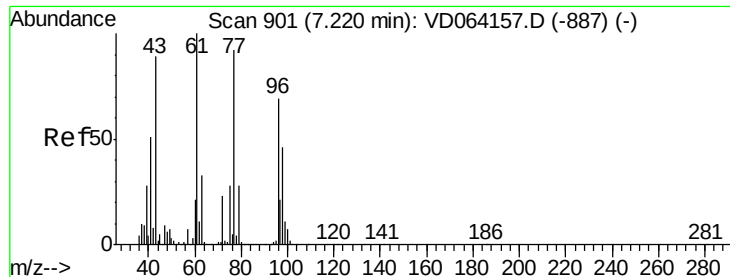
77 100

97 23.3 11.1 33.3



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



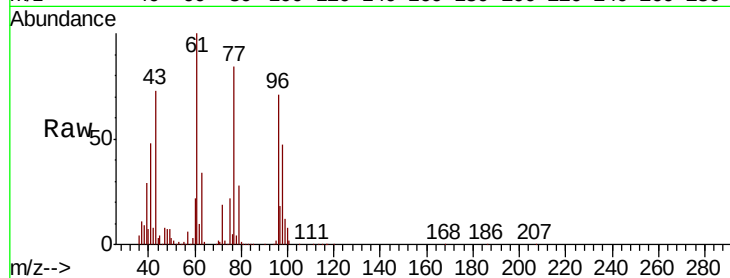


#27

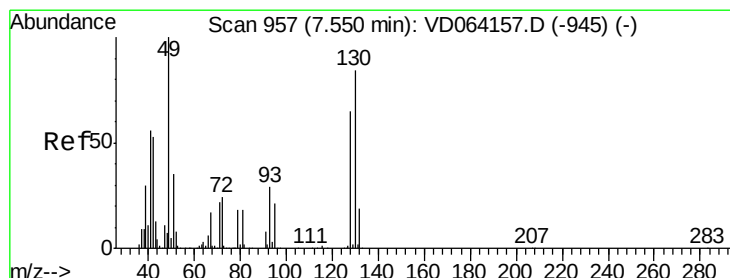
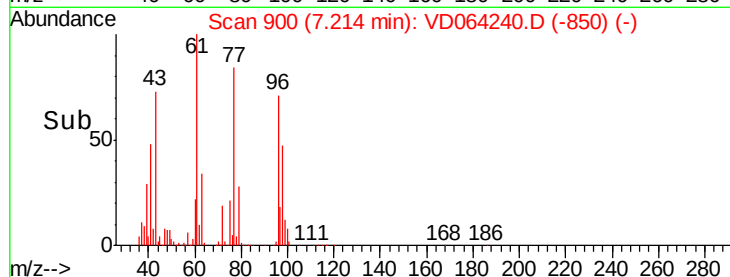
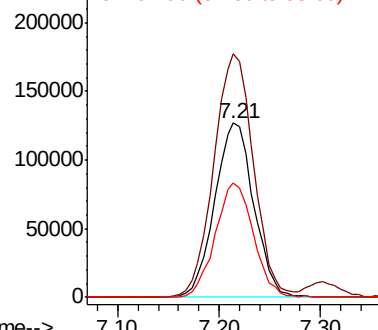
cis-1,2-Dichloroethene
Concen: 54.914 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.9	0.0	301.4
98	64.5	0.0	133.2



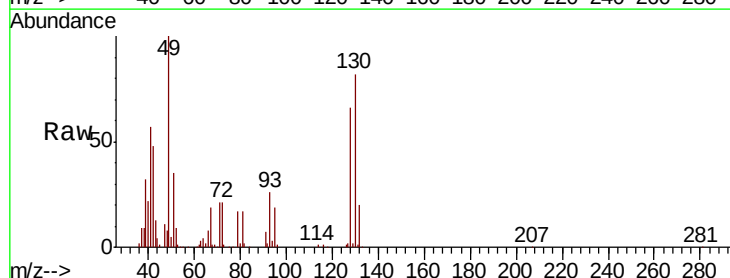
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



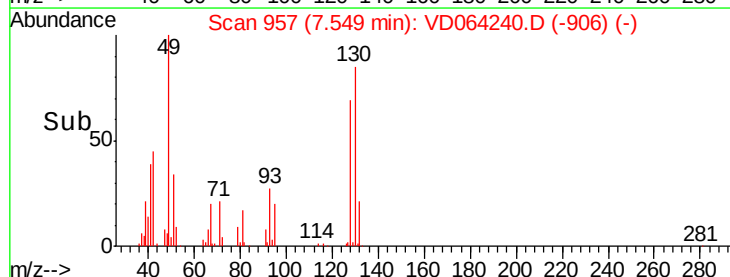
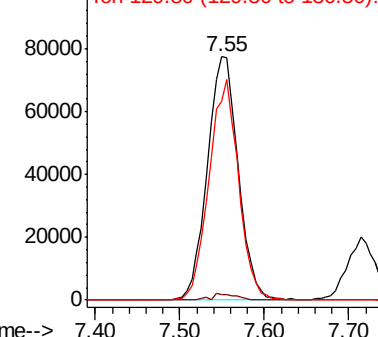
#28

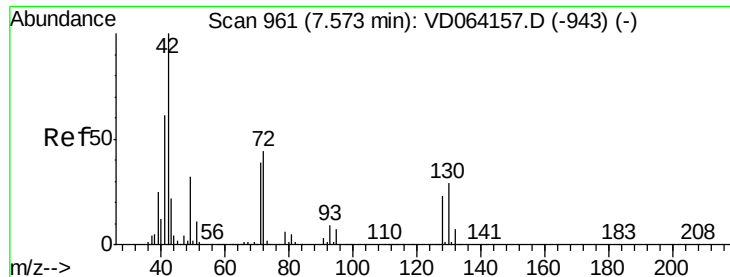
Bromochloromethane
Concen: 58.084 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.4
130	86.6	66.8	100.2



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

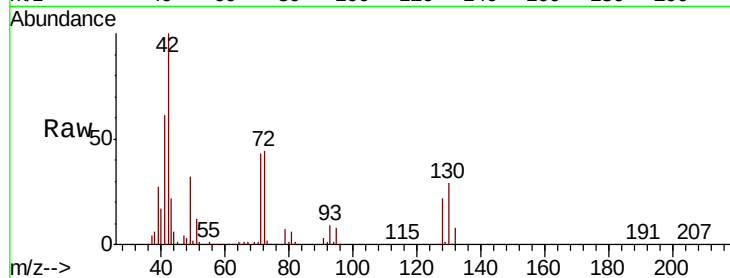




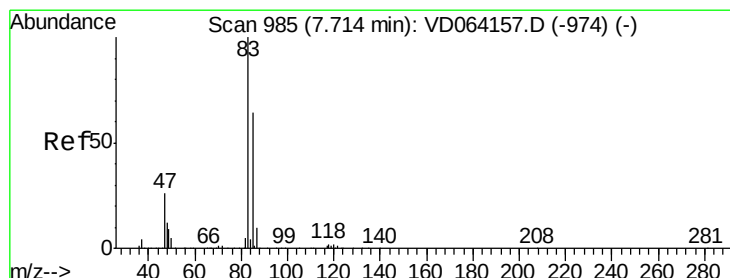
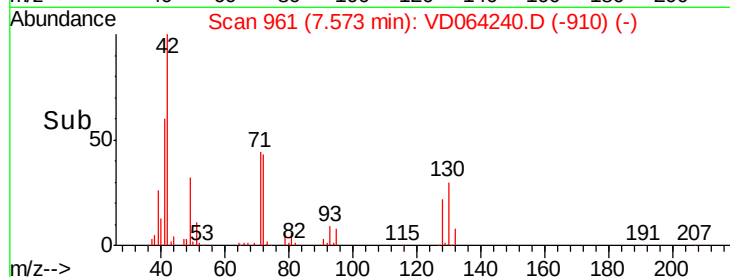
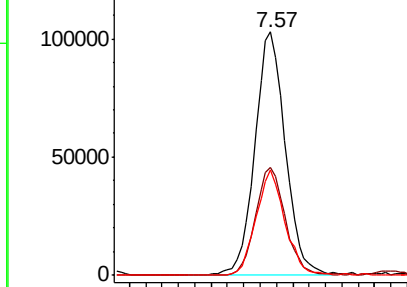
#29
Tetrahydrofuran
Concen: 291.903 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 266909
Ion Ratio Lower Upper
42 100
72 43.6 33.4 50.2
71 40.9 31.0 46.4

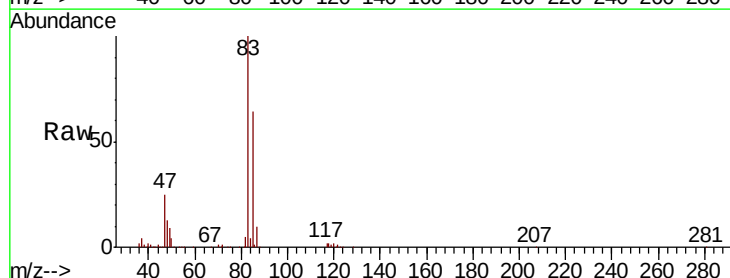


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

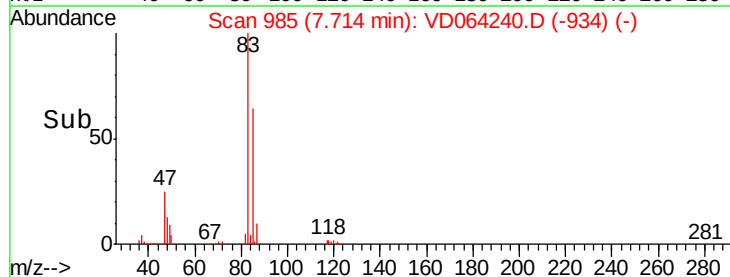
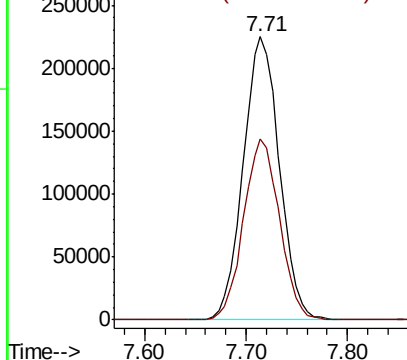


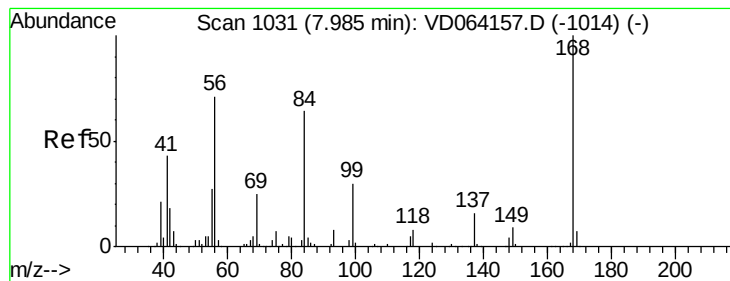
#30
Chloroform
Concen: 56.058 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Tgt Ion: 83 Resp: 554888
Ion Ratio Lower Upper
83 100
85 63.9 51.4 77.0



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





#31

Cyclohexane

Concen: 47.029 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064240.D

Acq: 15 Nov 2019 21:46

Instrument :
MSVOA_D
ClientSampleId :

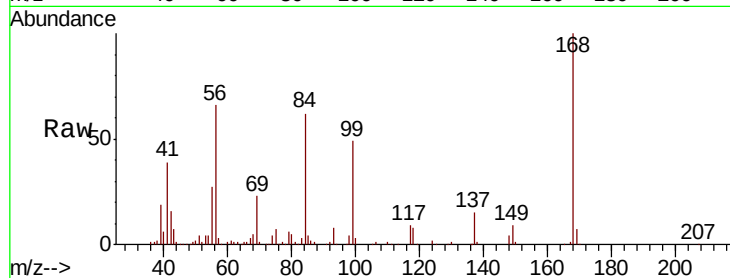
Tot Ion: 56 Resp: 458968

Ion Ratio Lower Upper

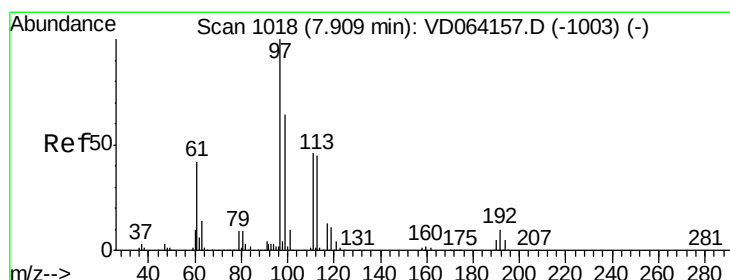
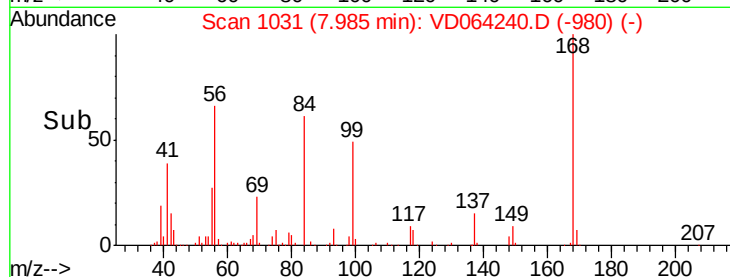
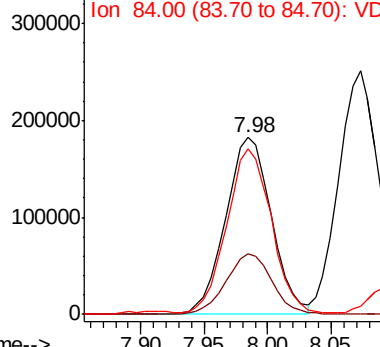
56 100

69 34.3 28.2 42.4

84 91.5 71.8 107.6



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: 51.986 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD064240.D

Acq: 15 Nov 2019 21:46

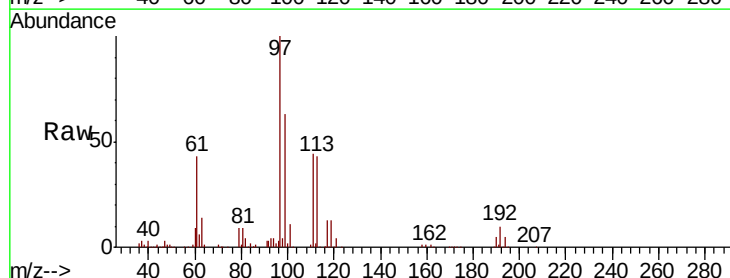
Tgt Ion: 97 Resp: 492724

Ion Ratio Lower Upper

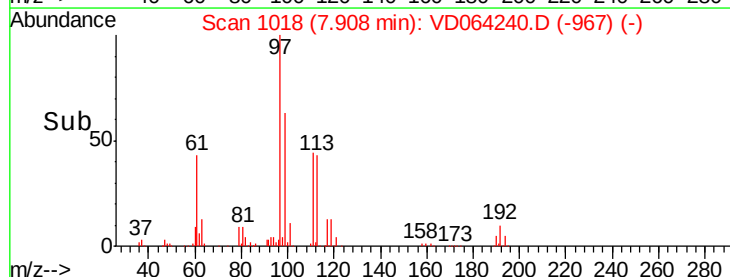
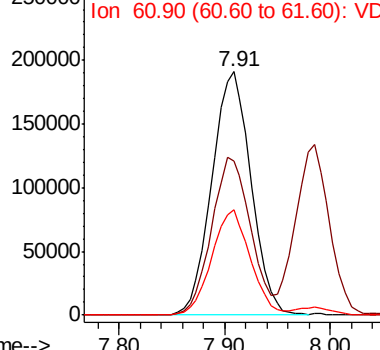
97 100

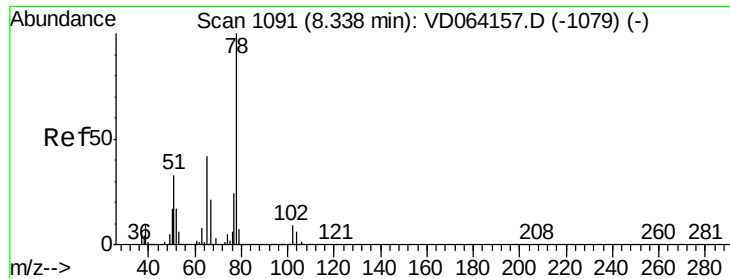
99 64.0 51.6 77.4

61 42.4 34.2 51.2



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

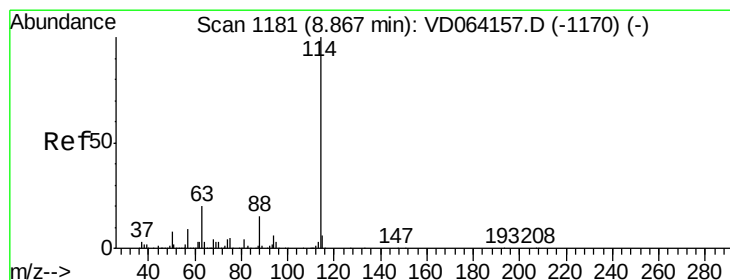
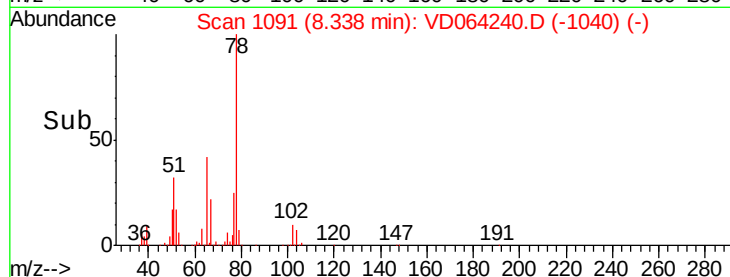
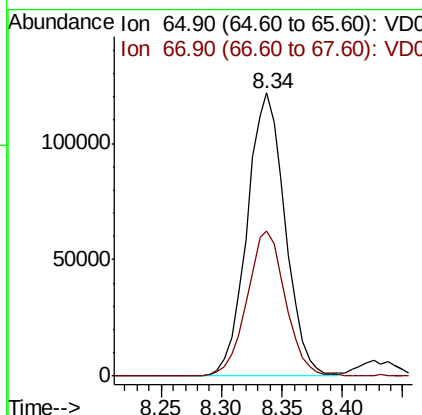
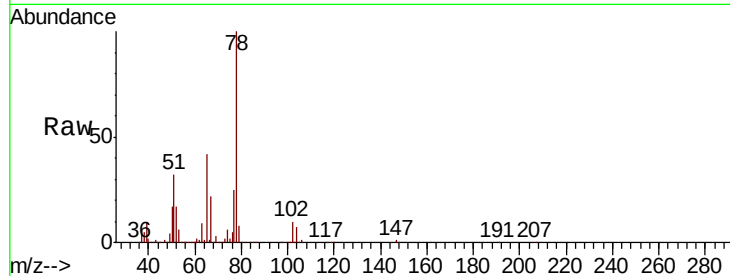




#33
 1,2-Dichloroethane-d4
 Concen: 53.599 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD064240.D
 Acq: 15 Nov 2019 21:46

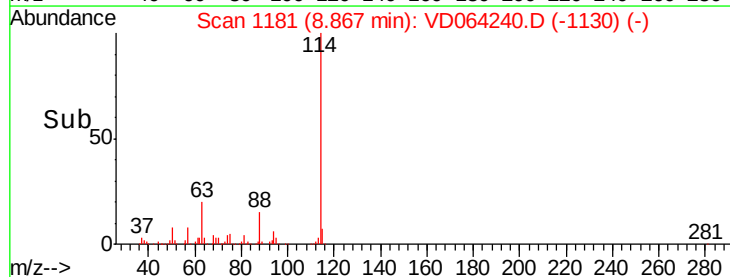
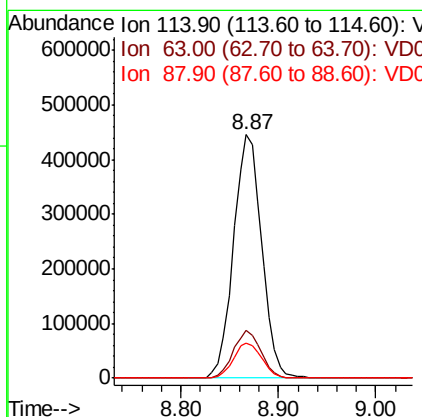
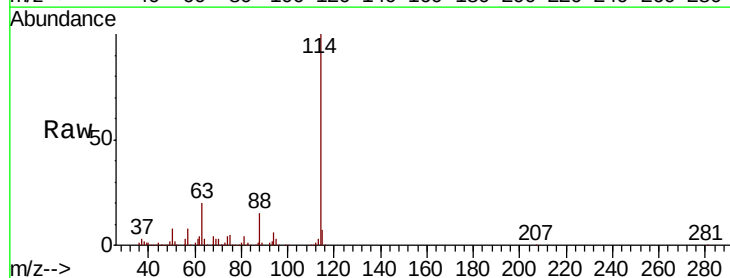
Instrument :
 MSVOA_D
 ClientSampled :

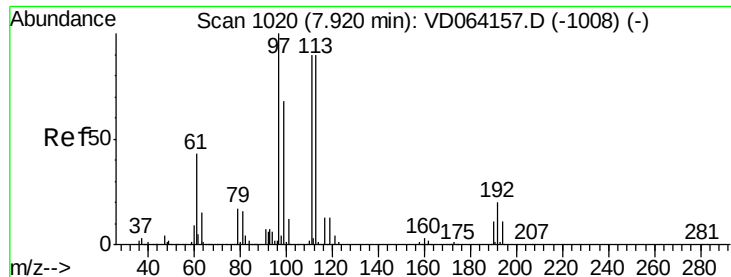
Tot Ion: 65 Resp: 266518
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064240.D
 Acq: 15 Nov 2019 21:46

Tgt Ion: 114 Resp: 892988
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.0
 88 14.6 0.0 30.2

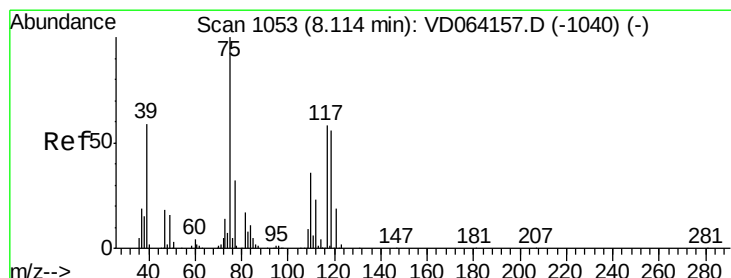
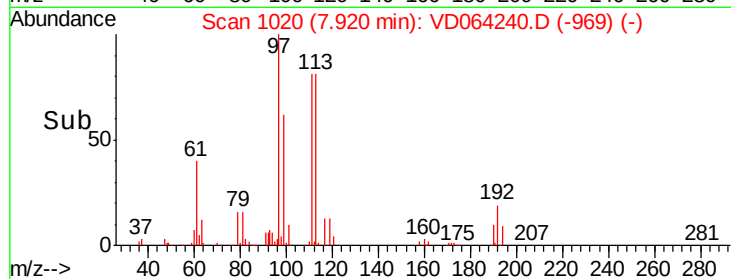
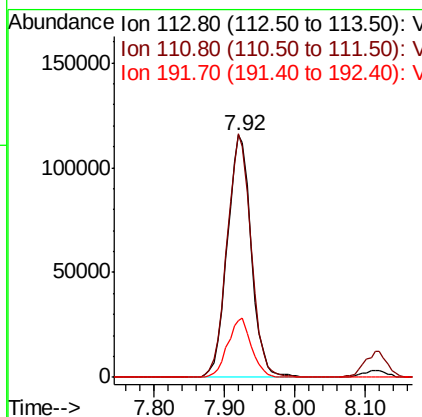
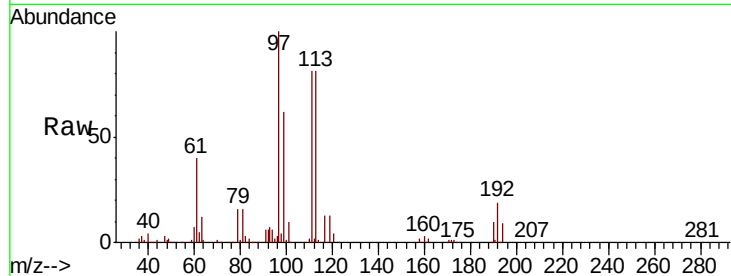




#35
 Dibromofluoromethane
 Concen: 52.877 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064240.D
 Acq: 15 Nov 2019 21:46

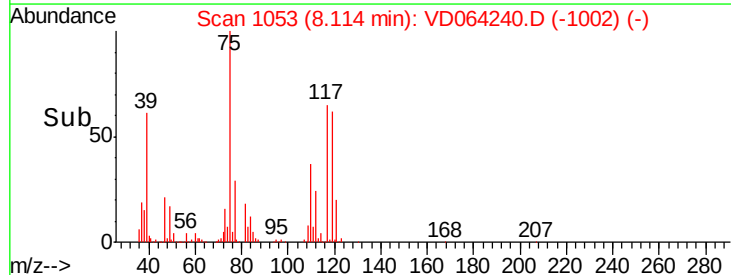
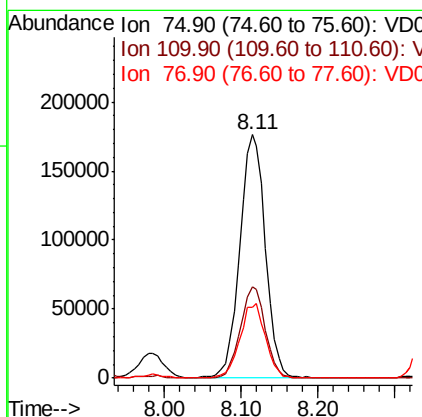
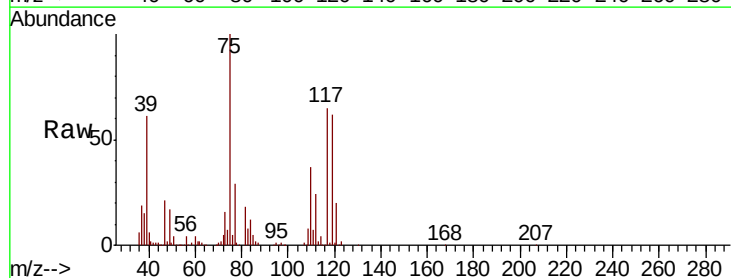
Instrument :
 MSVOA_D
 ClientSampleId :

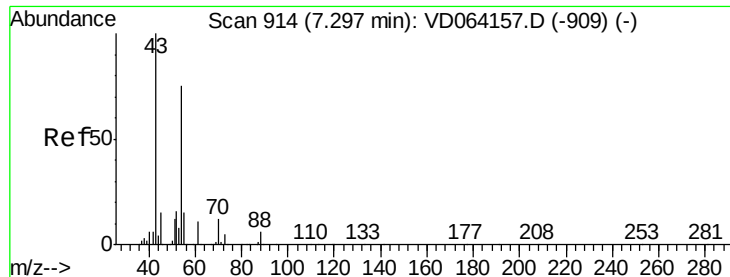
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.8	81.5	122.3
192	23.9	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 49.630 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064240.D
 Acq: 15 Nov 2019 21:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.8	18.3	54.9
77	30.6	25.0	37.6

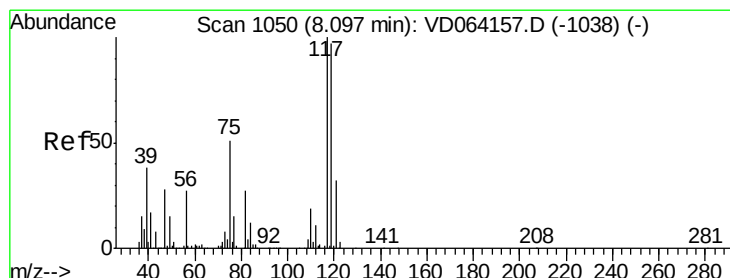
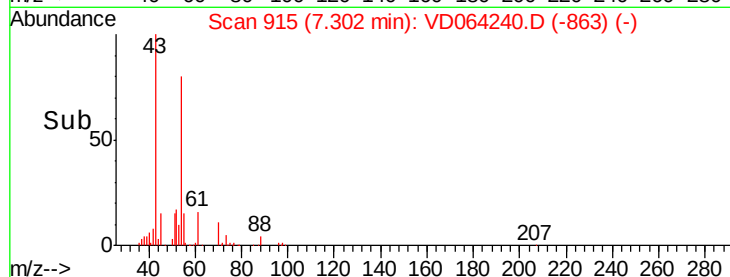
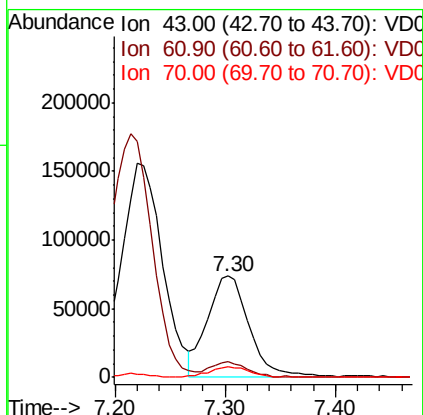
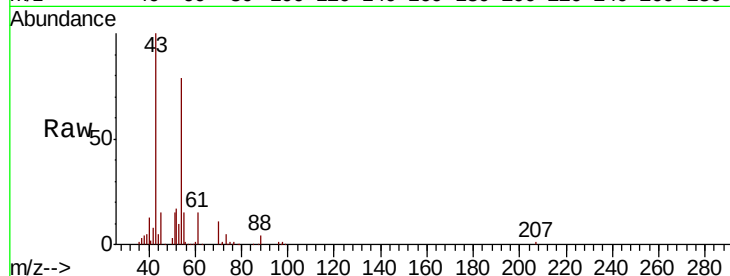




#37
Ethyl Acetate
Concen: 54.644 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

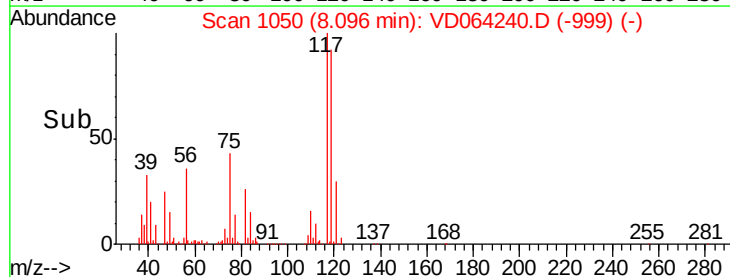
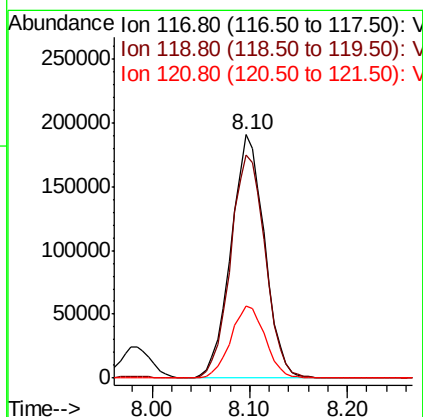
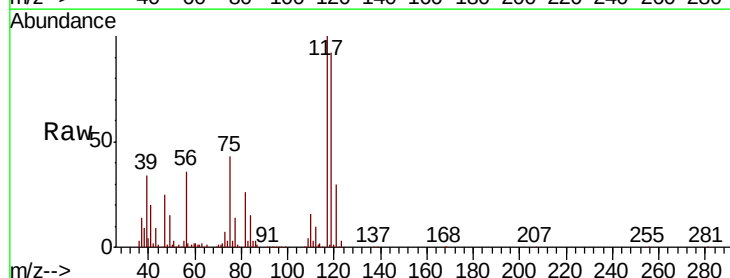
Instrument :
MSVOA_D
ClientSampled :

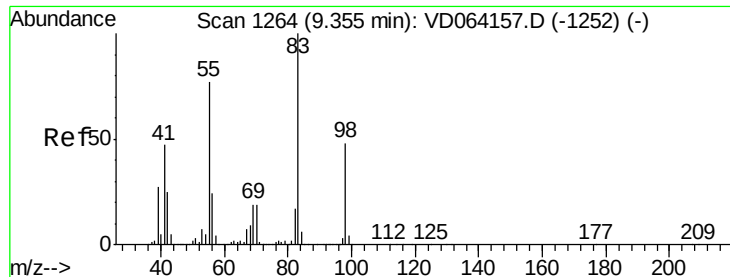
Tot Ion: 43 Resp: 189856
Ion Ratio Lower Upper
43 100
61 12.8 10.2 15.2
70 10.5 8.5 12.7



#38
Carbon Tetrachloride
Concen: 51.534 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Tgt Ion: 117 Resp: 454462
Ion Ratio Lower Upper
117 100
119 91.6 77.2 115.8
121 29.8 25.5 38.3

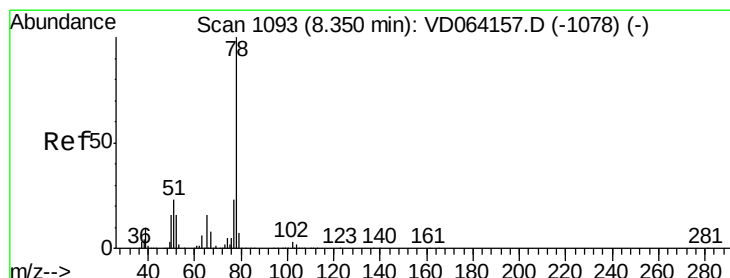
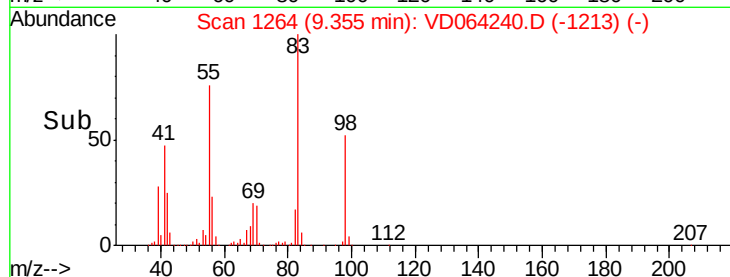
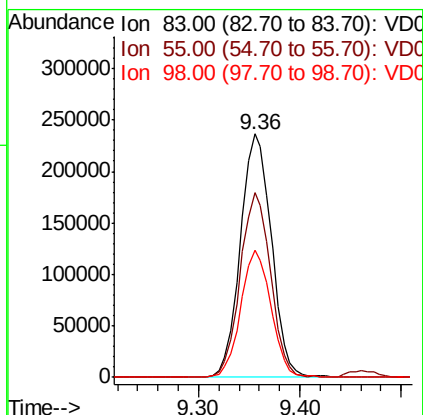
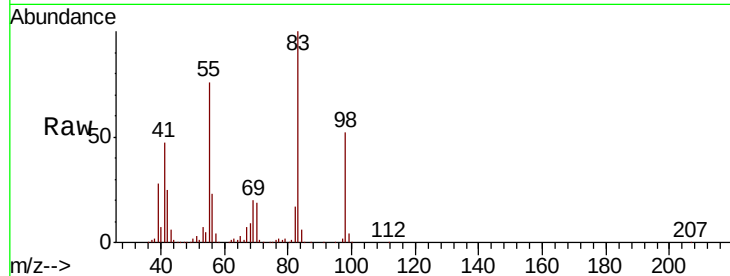




#39
Methylvlcyclohexane
Concen: 48.283 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

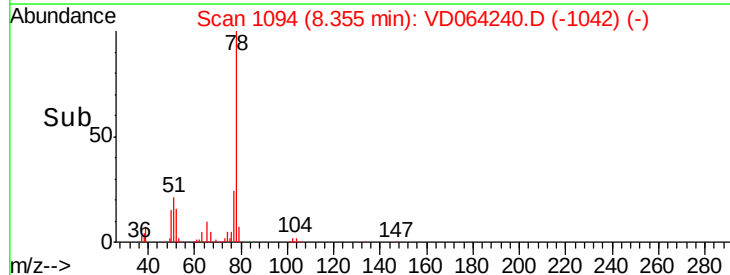
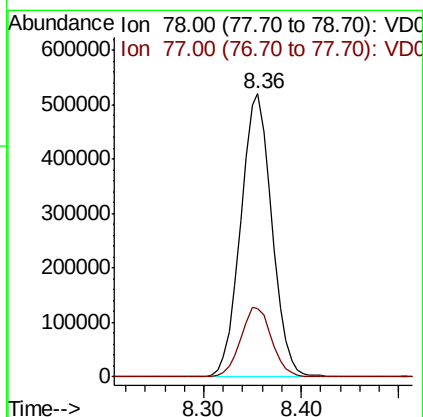
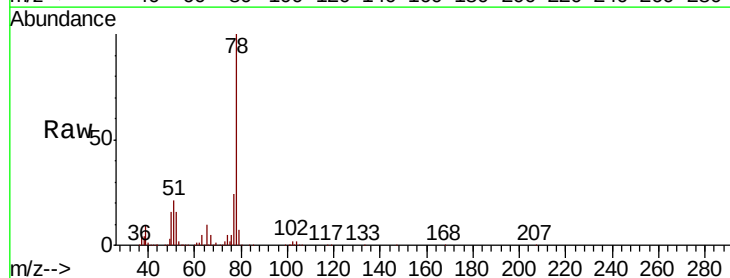
Instrument :
MSVOA_D
ClientSampleId :

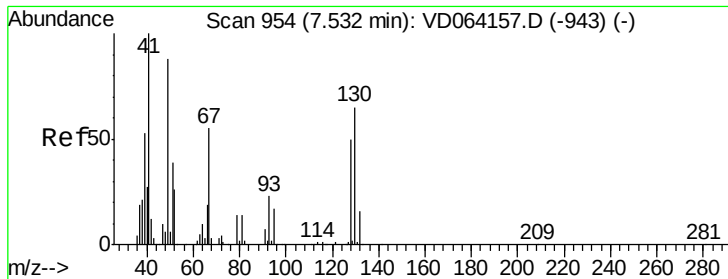
Tot Ion: 83 Resp: 503518
Ion Ratio Lower Upper
83 100
55 75.7 61.7 92.5
98 52.4 38.6 58.0



#40
Benzene
Concen: 51.627 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Tgt Ion: 78 Resp: 1162866
Ion Ratio Lower Upper
78 100
77 24.1 18.6 28.0

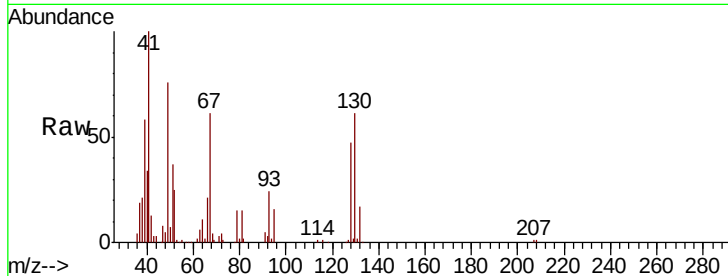




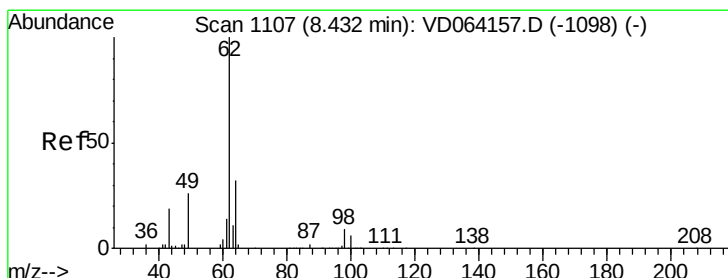
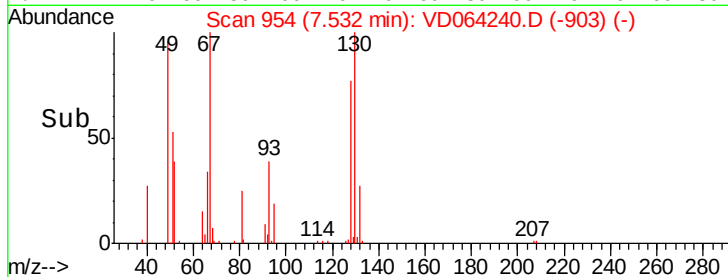
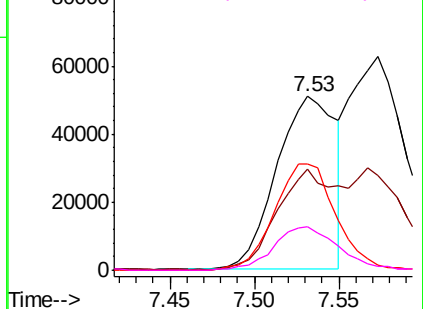
#41
Methacrylonitrile
Concen: 56.615 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.00 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:	41	Resp:	123632
Ion	Ratio	Lower	Upper
41	100		
39	49.4	49.4	74.2#
67	63.9	49.6	74.4
52	27.8	21.4	32.0

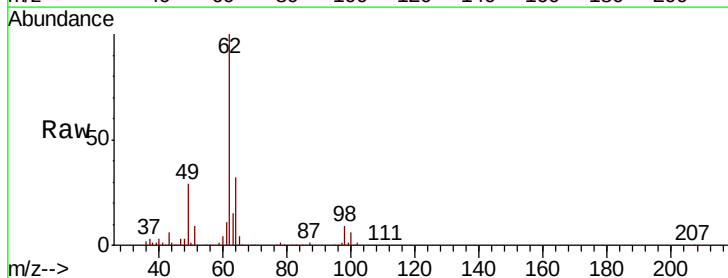


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

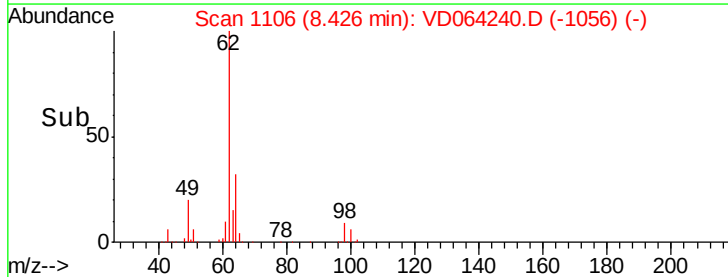
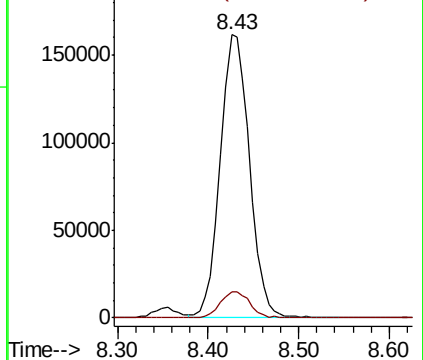


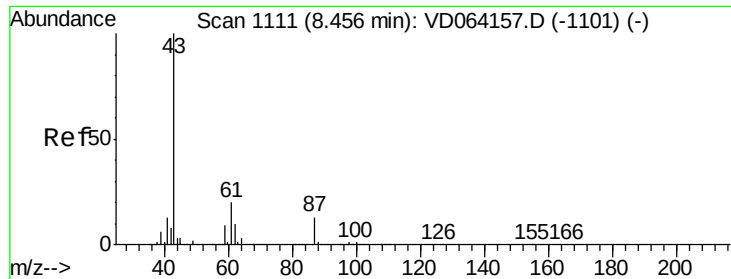
#42
1,2-Dichloroethane
Concen: 53.364 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Tgt Ion:	62	Resp:	361001
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.0



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 54.230 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD064240.D

Acq: 15 Nov 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

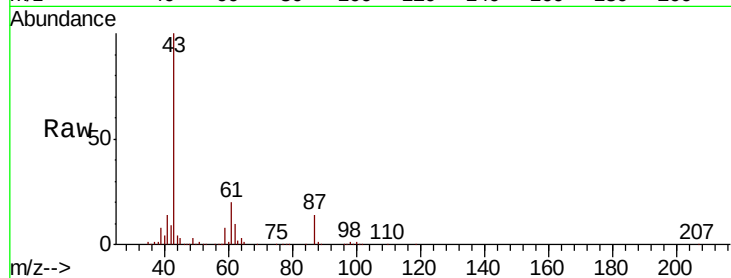
Tot Ion: 43 Resp: 388219

Ion Ratio Lower Upper

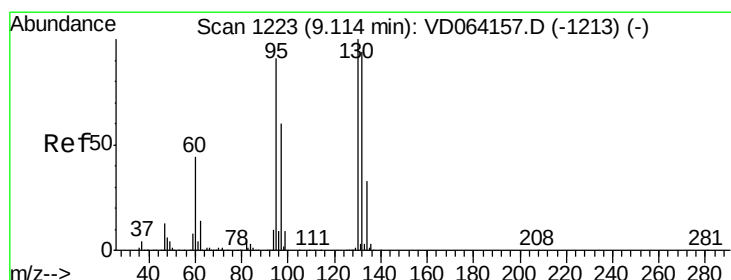
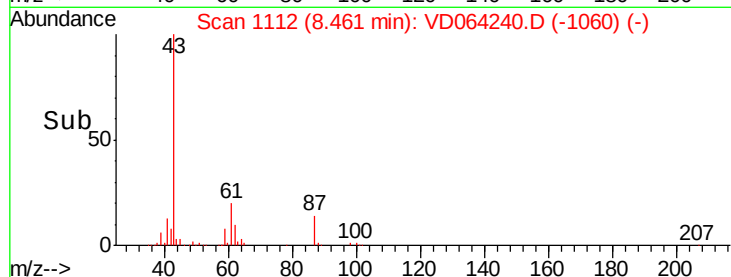
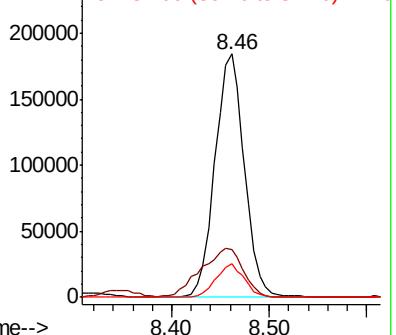
43 100

61 28.8 22.9 34.3

87 13.1 10.2 15.2



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: 51.391 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD064240.D

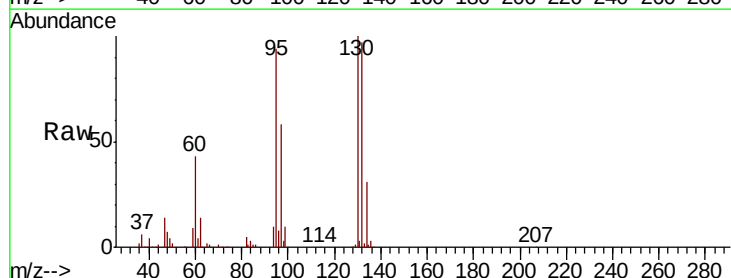
Acq: 15 Nov 2019 21:46

Tgt Ion:130 Resp: 347415

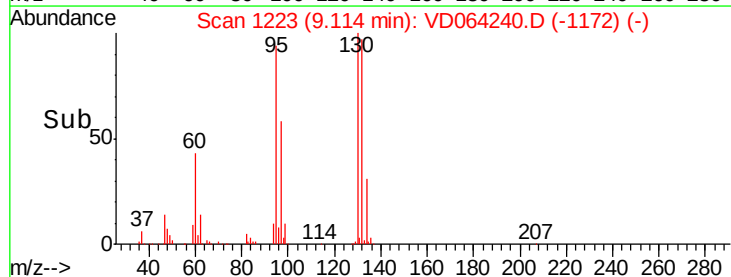
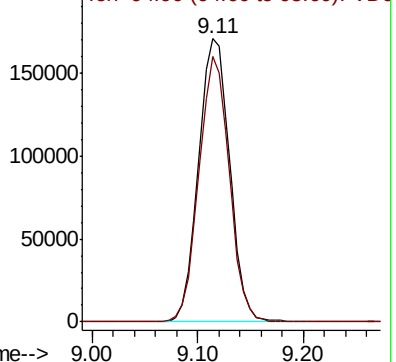
Ion Ratio Lower Upper

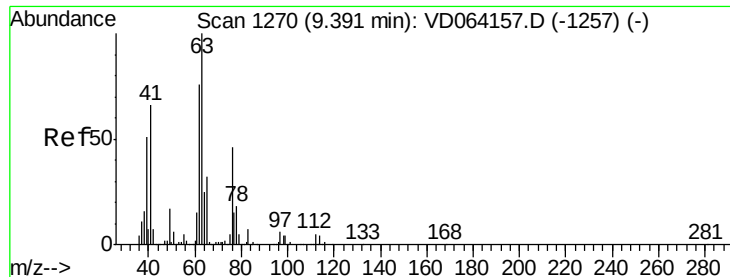
130 100

95 93.8 0.0 181.6



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

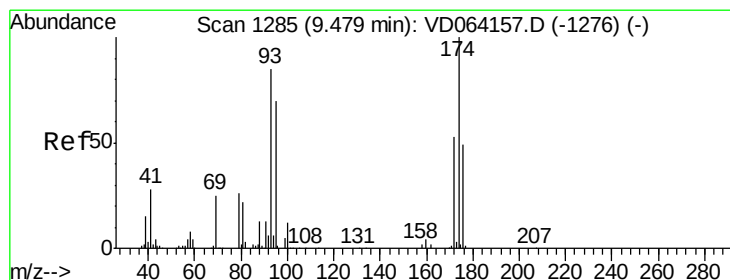
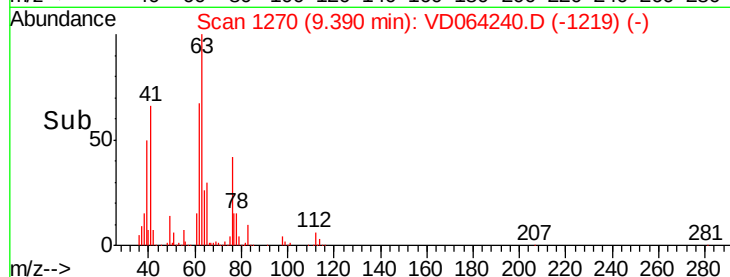
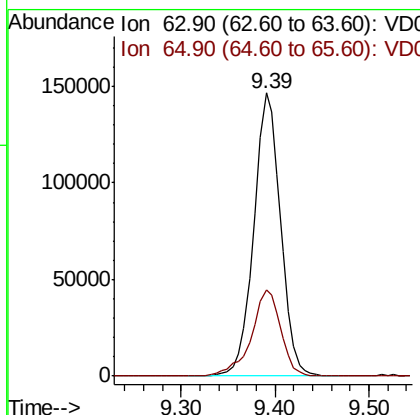
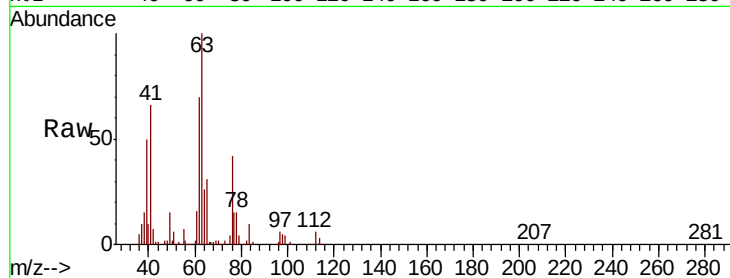




#45
 1,2-Dichloropropane
 Concen: 52.669 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD064240.D
 Acq: 15 Nov 2019 21:46

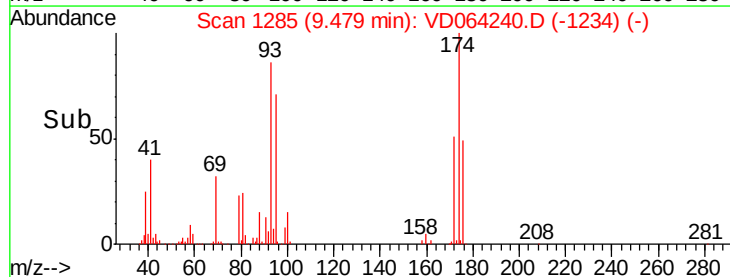
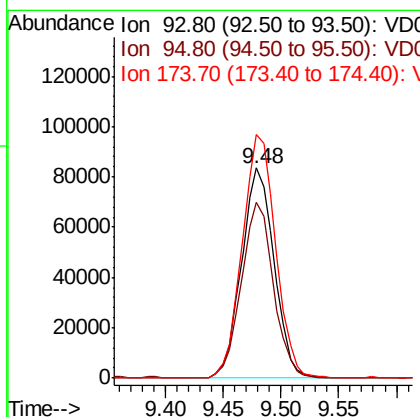
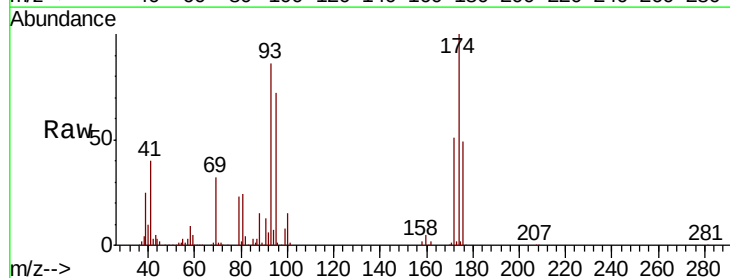
Instrument :
 MSVOA_D
 ClientSampleId :

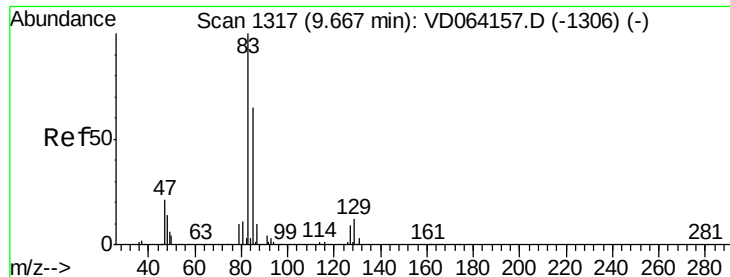
Tot Ion: 63 Resp: 288751
 Ion Ratio Lower Upper
 63 100
 65 30.5 25.7 38.5



#46
 Dibromomethane
 Concen: 55.945 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD064240.D
 Acq: 15 Nov 2019 21:46

Tgt Ion: 93 Resp: 164199
 Ion Ratio Lower Upper
 93 100
 95 82.3 65.5 98.3
 174 118.6 93.9 140.9





#47

Bromodichloromethane

Concen: 53.943 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064240.D

Acq: 15 Nov 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

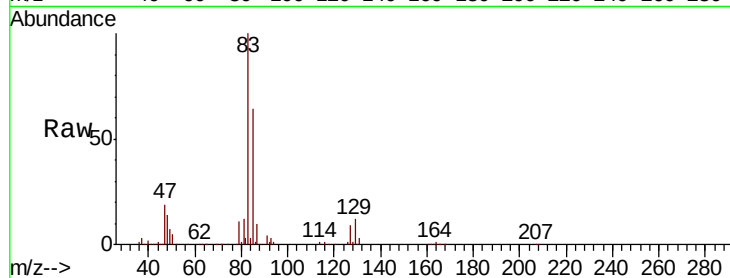
Tot Ion: 83 Resp: 426461

Ion Ratio Lower Upper

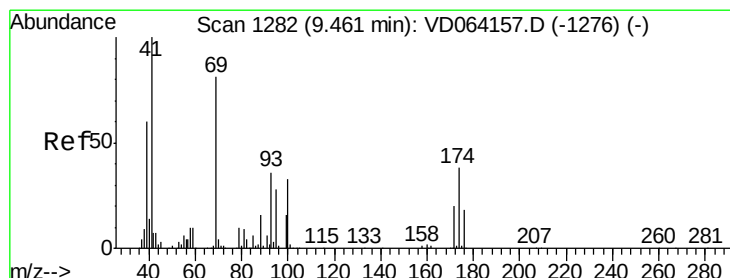
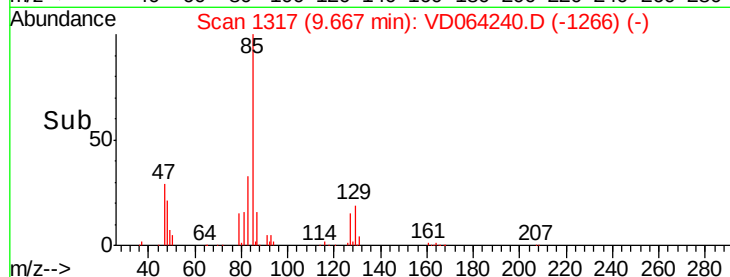
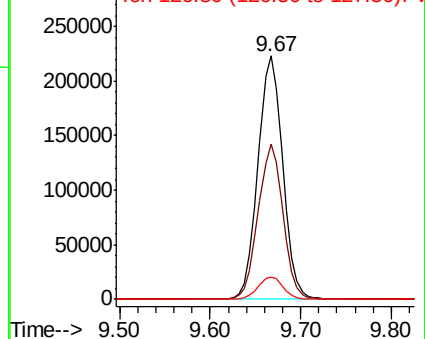
83 100

85 63.8 52.2 78.4

127 9.3 7.5 11.3



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



#48

Methyl methacrylate

Concen: 51.929 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD064240.D

Acq: 15 Nov 2019 21:46

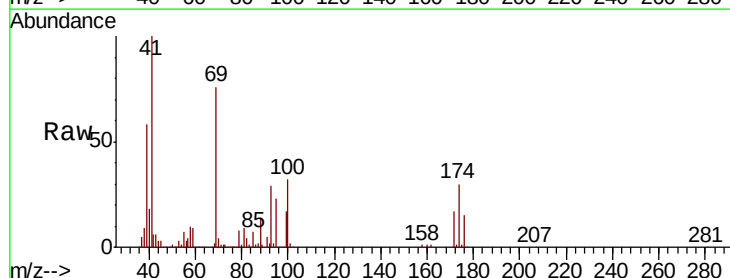
Tgt Ion: 41 Resp: 181775

Ion Ratio Lower Upper

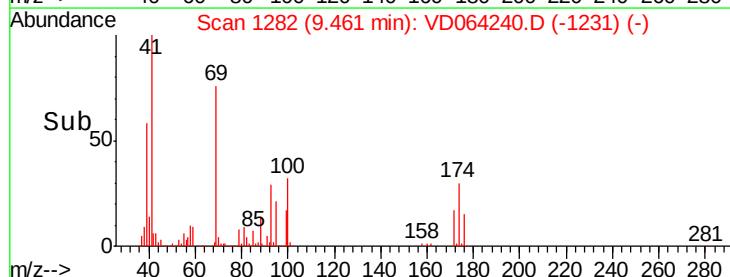
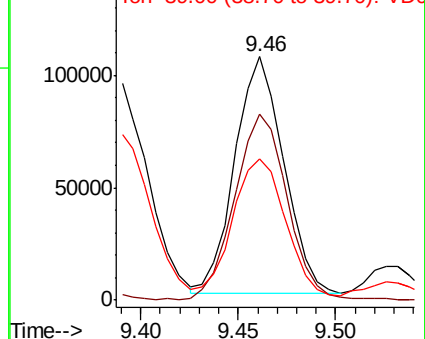
41 100

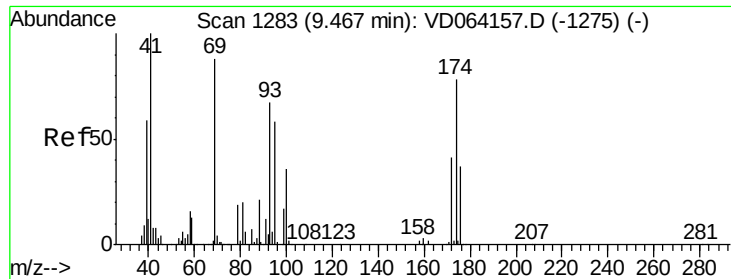
69 85.7 64.6 97.0

39 66.6 48.2 72.2



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

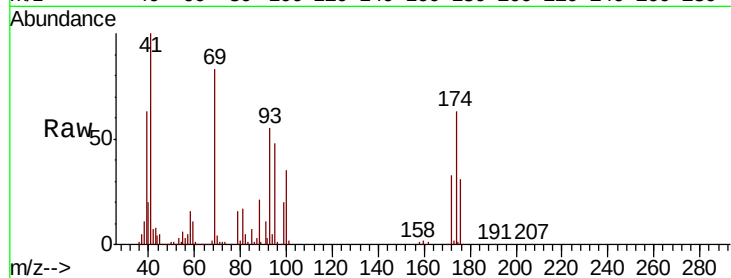




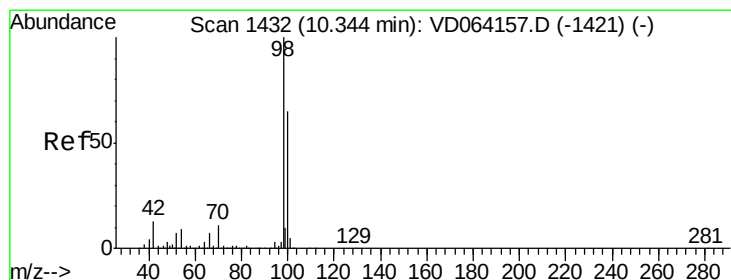
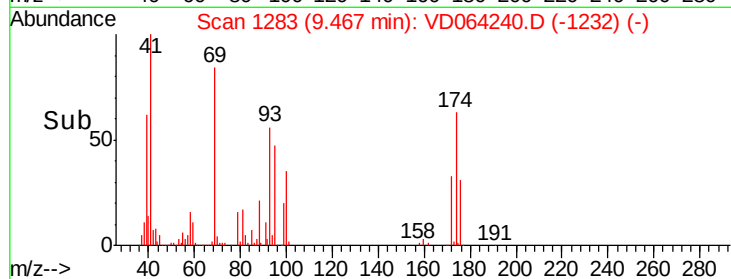
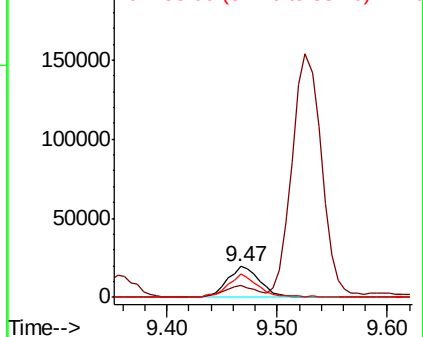
#49
1,4-Dioxane
Concen: 1159.456 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 40870
Ion Ratio Lower Upper
88 100
43 35.0 29.8 44.8
58 70.8 58.1 87.1

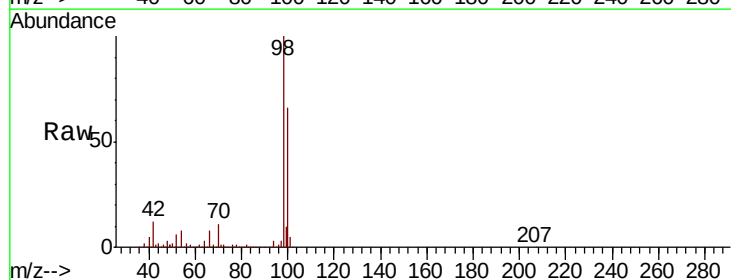


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

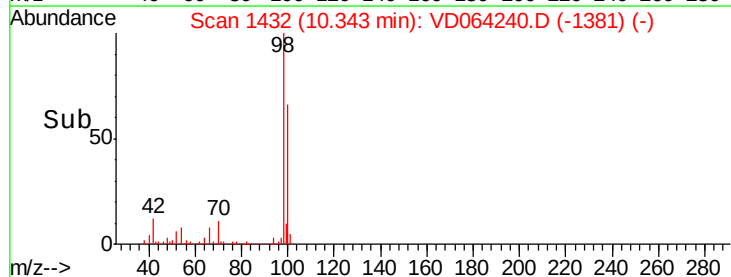
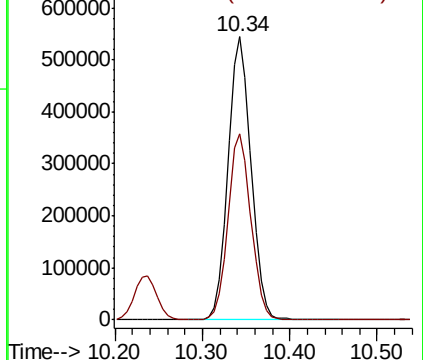


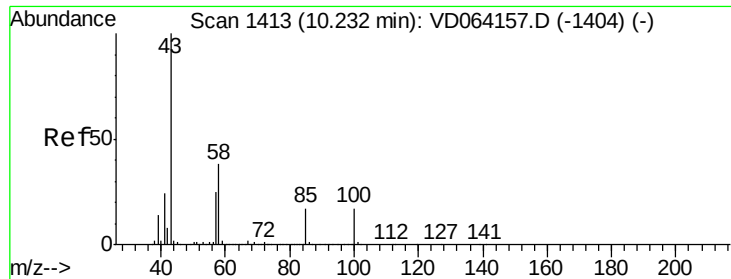
#50
Toluene-d8
Concen: 50.428 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Tgt Ion: 98 Resp: 975132
Ion Ratio Lower Upper
98 100
100 65.3 52.6 78.8



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

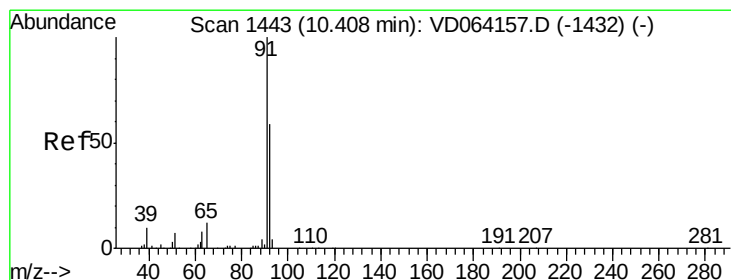
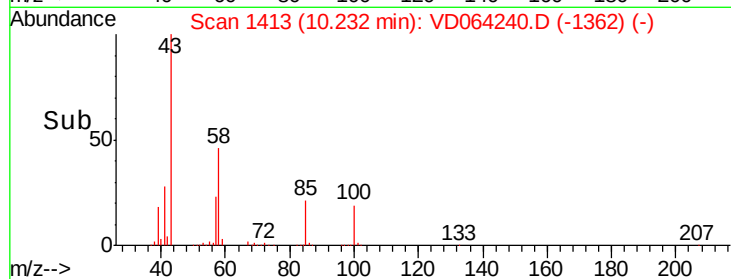
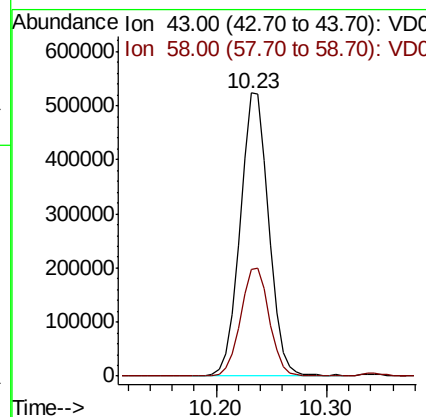
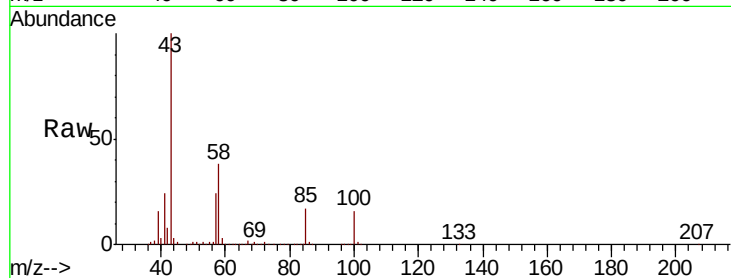




#51
 4-Methyl-2-Pentanone
 Concen: 277.727 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: VD064240.D
 Acq: 15 Nov 2019 21:46

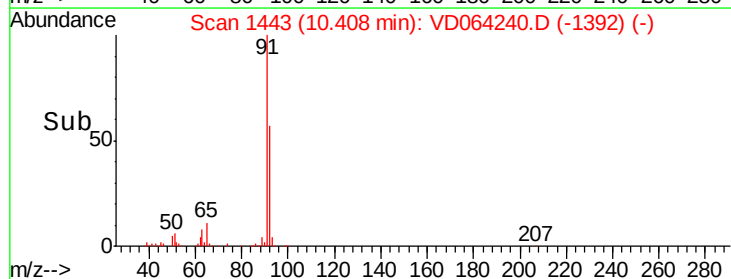
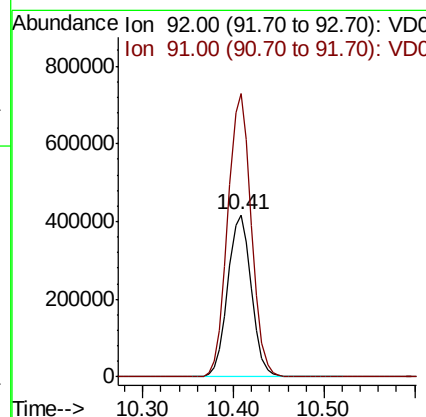
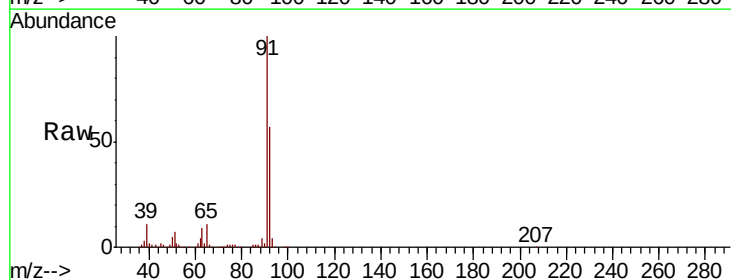
Instrument :
 MSVOA_D
 ClientSampleID :

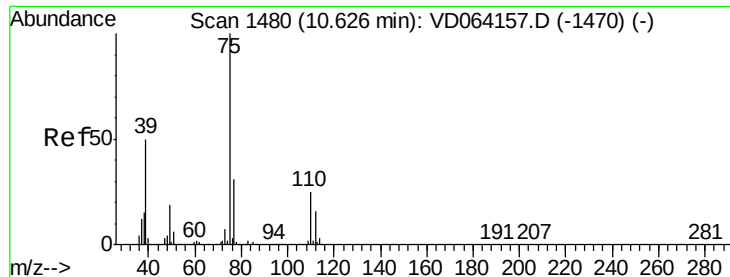
Tot Ion: 43 Resp: 953418
 Ion Ratio Lower Upper
 43 100
 58 38.3 30.2 45.4



#52
 Toluene
 Concen: 50.931 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD064240.D
 Acq: 15 Nov 2019 21:46

Tgt Ion: 92 Resp: 754340
 Ion Ratio Lower Upper
 92 100
 91 173.9 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 52.822 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD064240.D

Acq: 15 Nov 2019 21:46

Instrument :

MSVOA_D

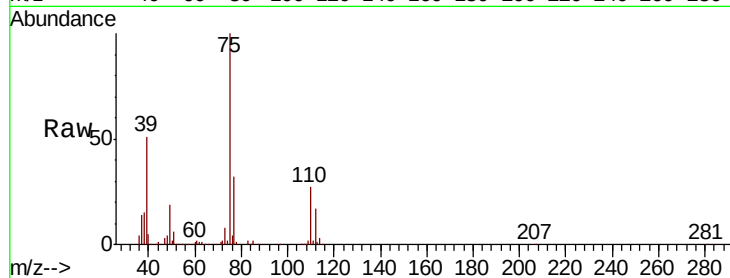
ClientSampleId :

Tot Ion: 75 Resp: 418370

Ion Ratio Lower Upper

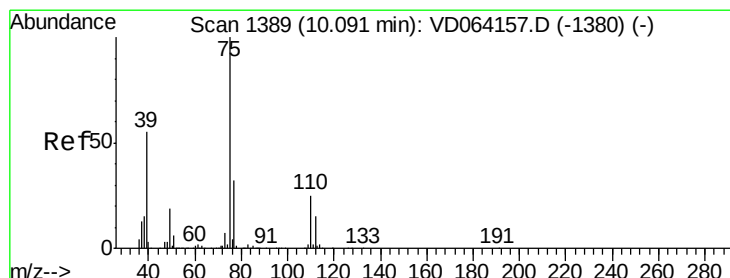
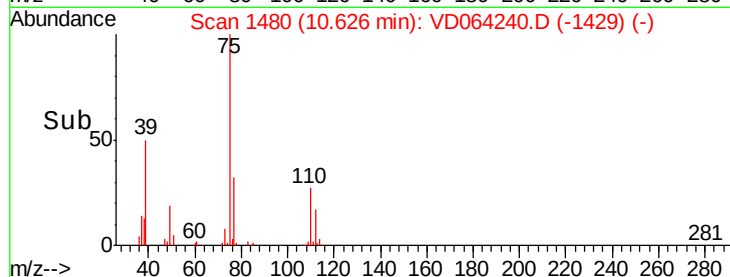
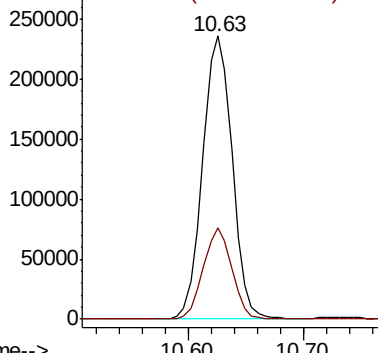
75 100

77 32.2 24.7 37.1



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 51.983 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD064240.D

Acq: 15 Nov 2019 21:46

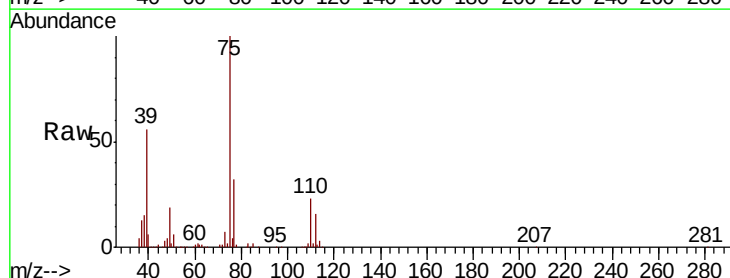
Tgt Ion: 75 Resp: 480446

Ion Ratio Lower Upper

75 100

77 31.5 25.2 37.8

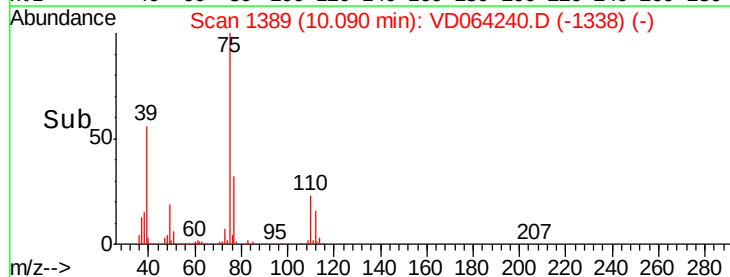
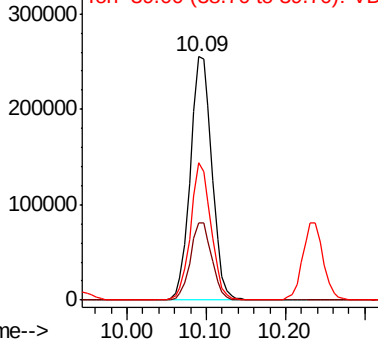
39 56.0 44.2 66.2

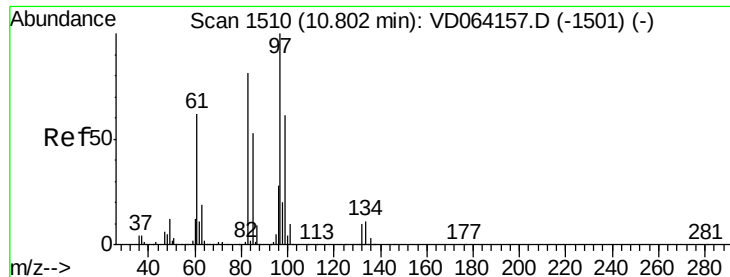


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

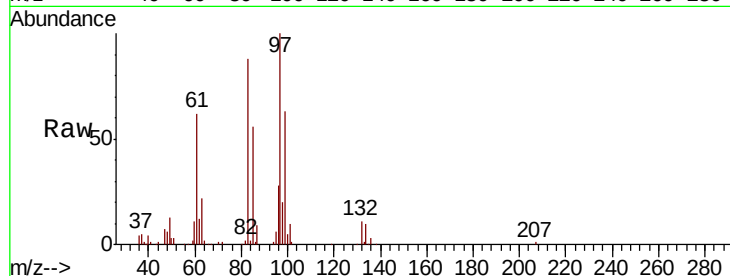




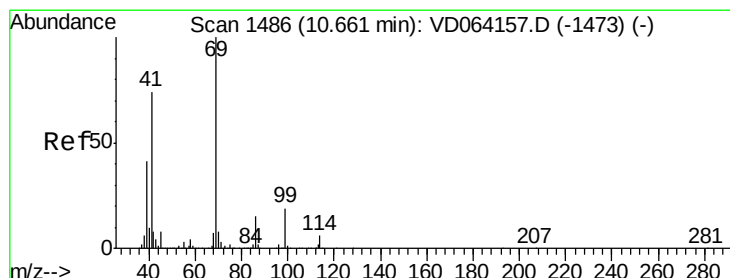
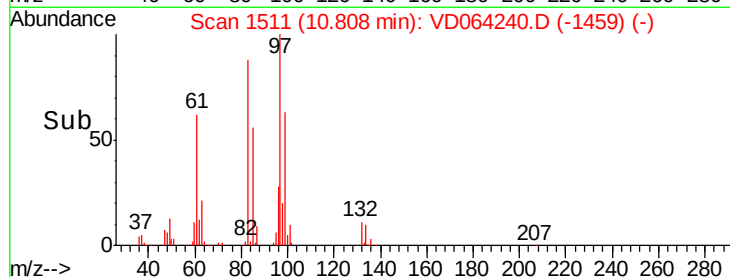
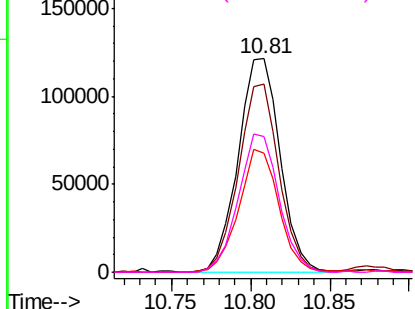
#55
 1,1,2-Trichloroethane
 Concen: 56.382 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD064240.D
 Acq: 15 Nov 2019 21:46

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	224487
Ion	Ratio	Lower	Upper
97	100		
83	88.2	65.1	97.7
85	55.6	42.0	63.0
99	63.3	48.9	73.3

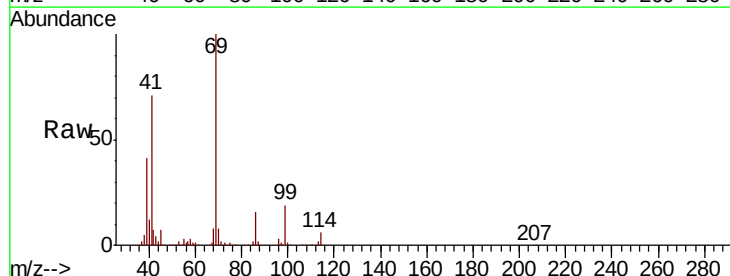


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

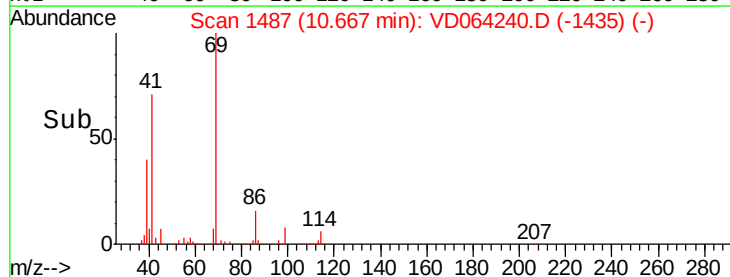
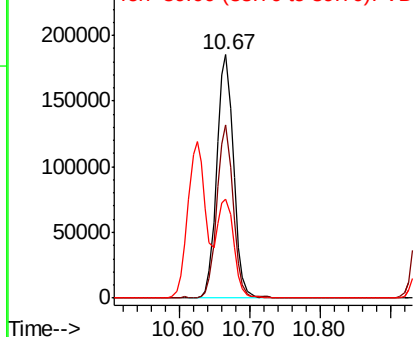


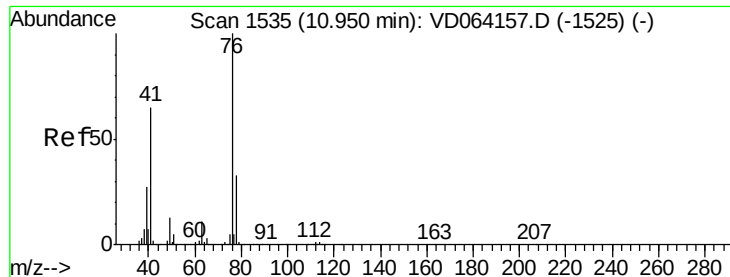
#56
 Ethyl methacrylate
 Concen: 55.169 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064240.D
 Acq: 15 Nov 2019 21:46

Tgt Ion:	69	Resp:	307274
Ion	Ratio	Lower	Upper
69	100		
41	68.2	57.9	86.9
39	38.4	29.0	43.4



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: 55.265 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD064240.D

Acq: 15 Nov 2019 21:46

Instrument :

MSVOA_D

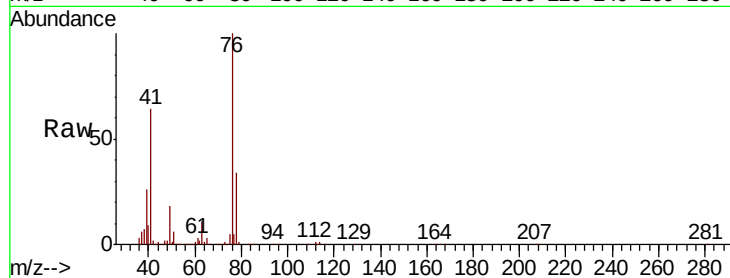
ClientSampled :

Tot Ion: 76 Resp: 383755

Ion Ratio Lower Upper

76 100

78 32.5 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

200000

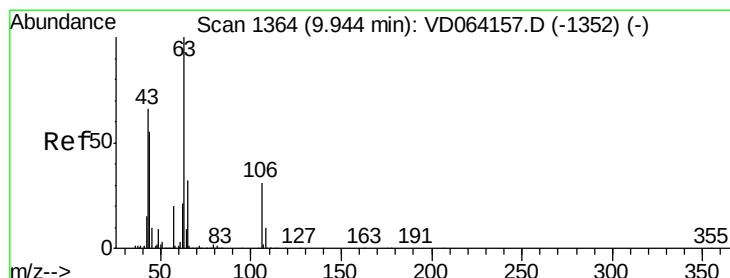
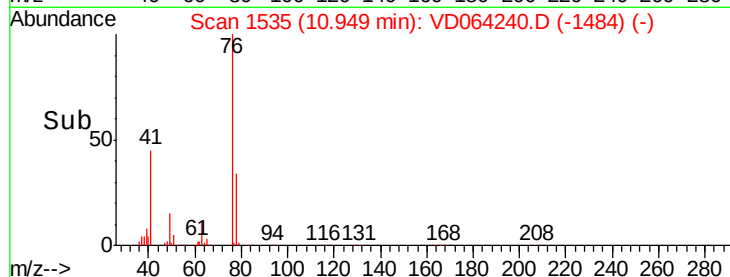
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 266.777 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VD064240.D

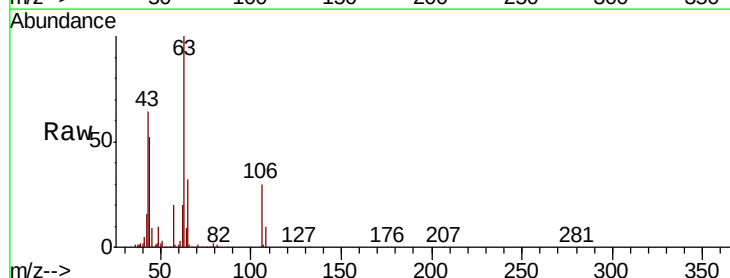
Acq: 15 Nov 2019 21:46

Tgt Ion: 63 Resp: 601884

Ion Ratio Lower Upper

63 100

106 30.6 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.95

400000

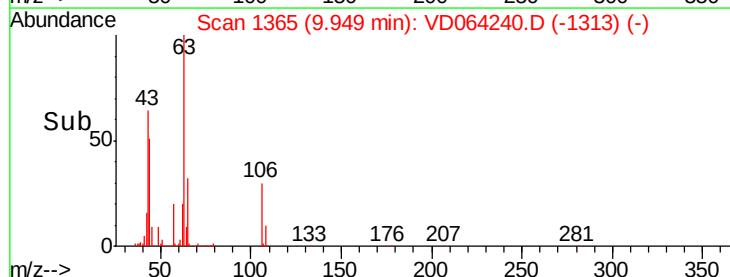
300000

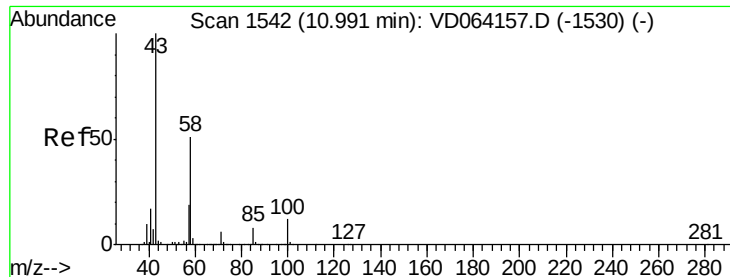
200000

100000

0

Time-->

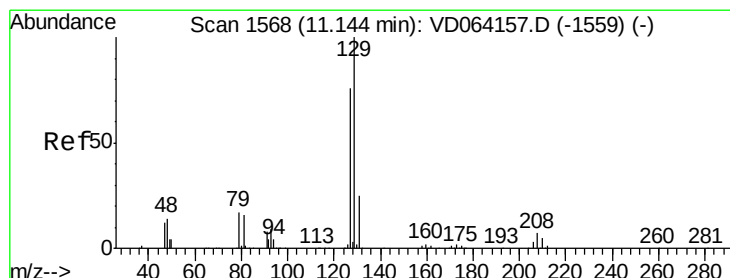
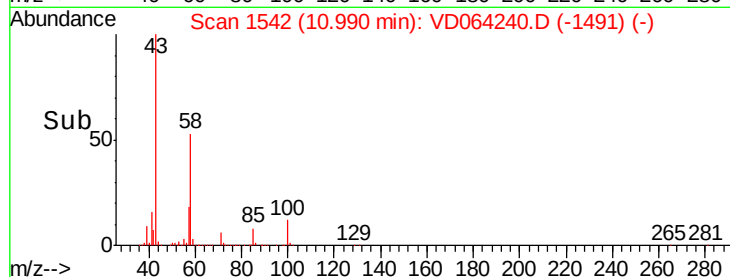
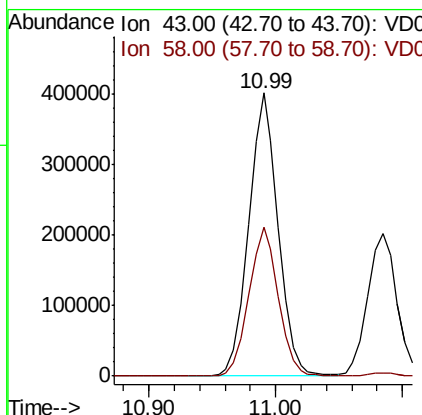
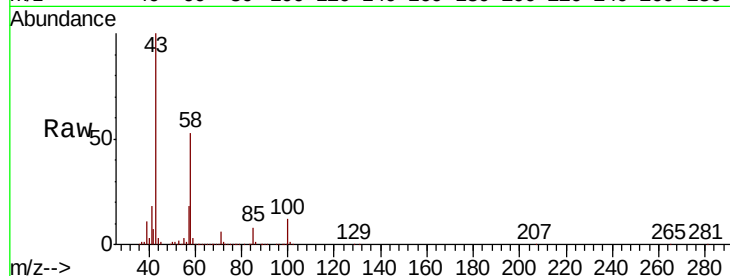




#59
2-Hexanone
Concen: 263.490 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

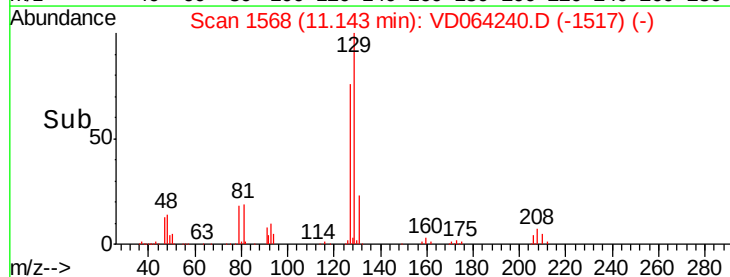
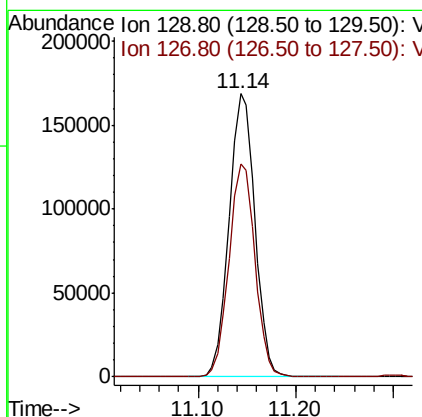
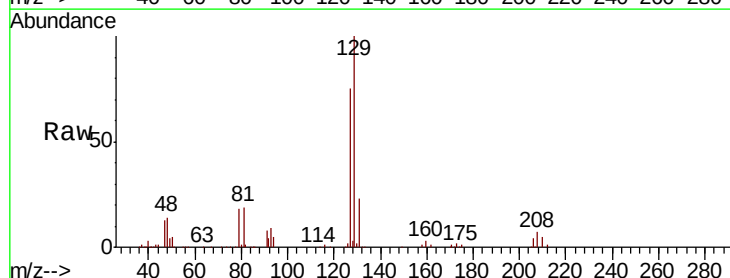
Instrument :
MSVOA_D
ClientSampled :

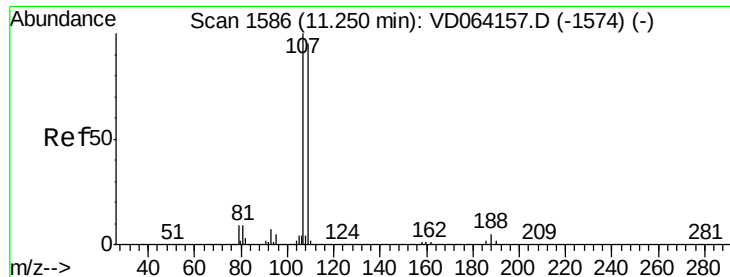
Tot Ion: 43 Resp: 643531
Ion Ratio Lower Upper
43 100
58 53.2 25.9 77.7



#60
Dibromochloromethane
Concen: 55.880 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Tgt Ion: 129 Resp: 310451
Ion Ratio Lower Upper
129 100
127 75.8 38.6 115.8

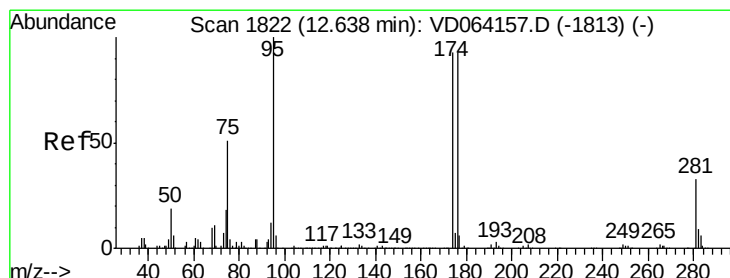
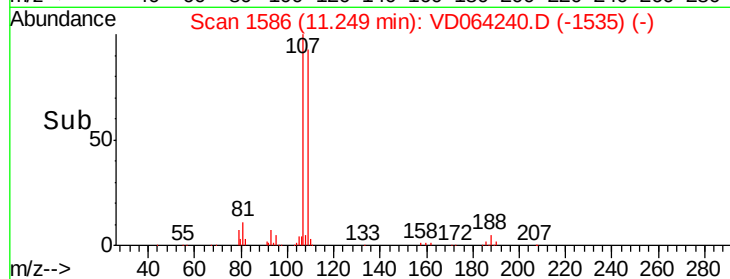
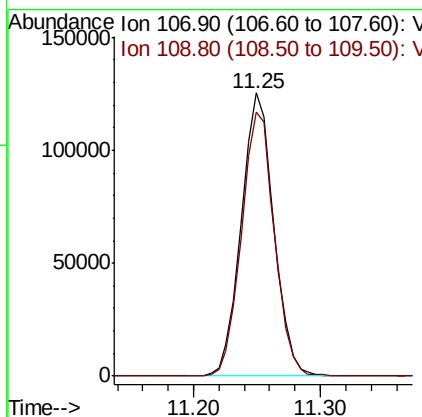
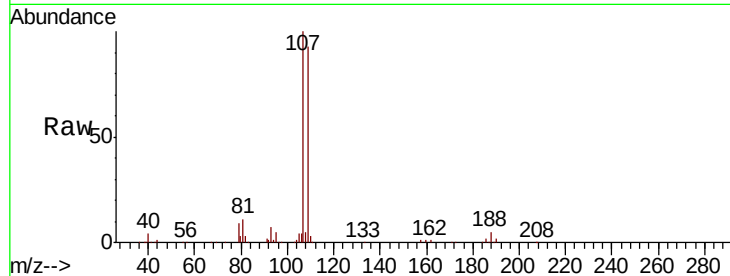




#61
 1,2-Dibromoethane
 Concen: 55.747 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064240.D
 Acq: 15 Nov 2019 21:46

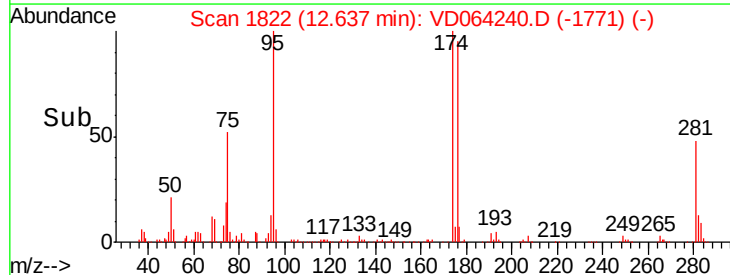
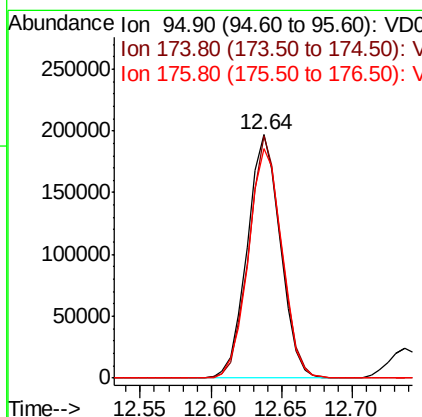
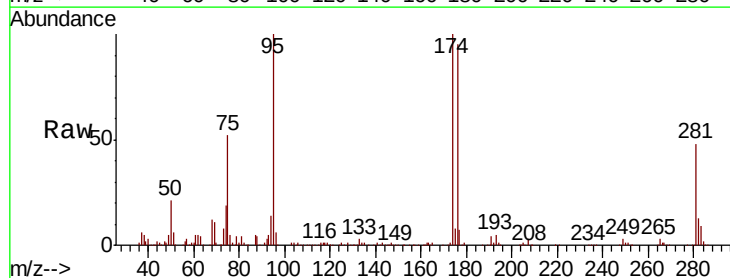
Instrument :
 MSVOA_D
 ClientSampled :

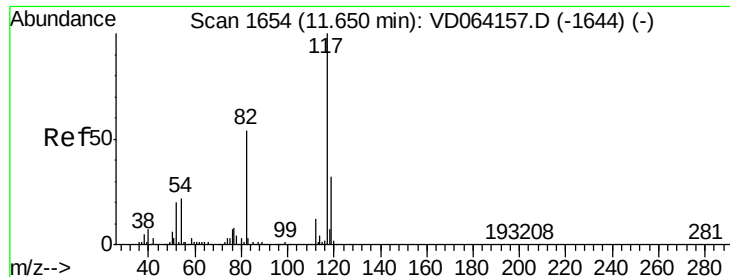
Tot Ion:107 Resp: 222314
 Ion Ratio Lower Upper
 107 100
 109 94.9 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 48.486 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064240.D
 Acq: 15 Nov 2019 21:46

Tgt Ion: 95 Resp: 324687
 Ion Ratio Lower Upper
 95 100
 174 97.4 0.0 183.6
 176 96.0 0.0 180.2

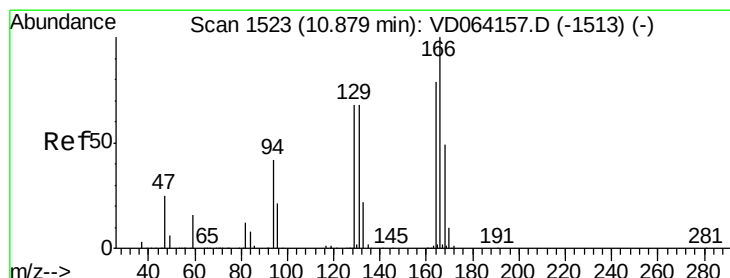
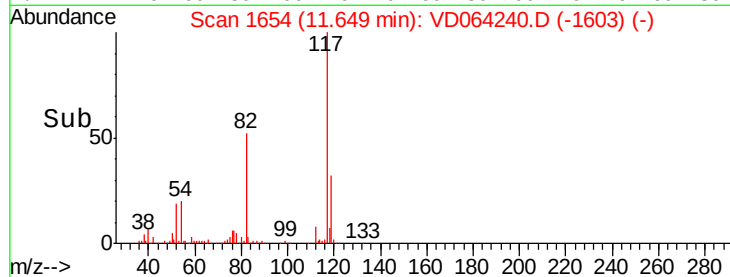
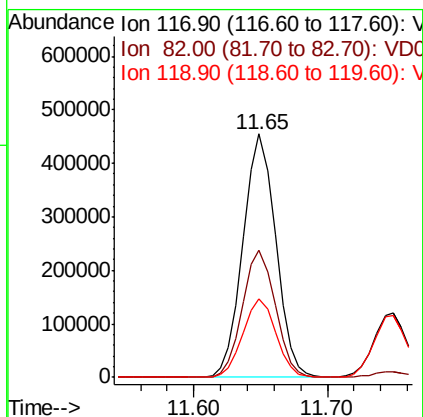
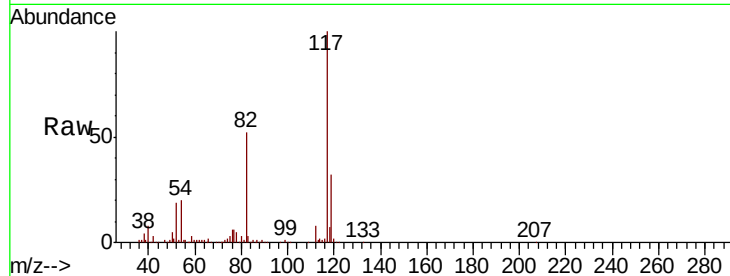




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

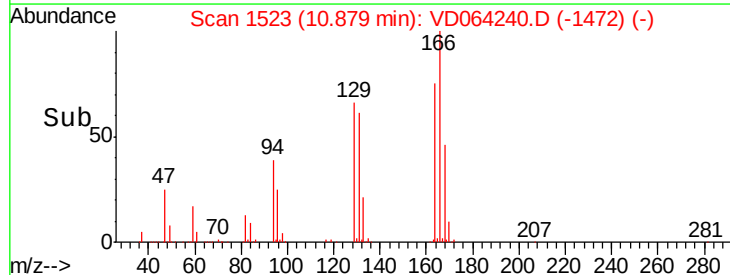
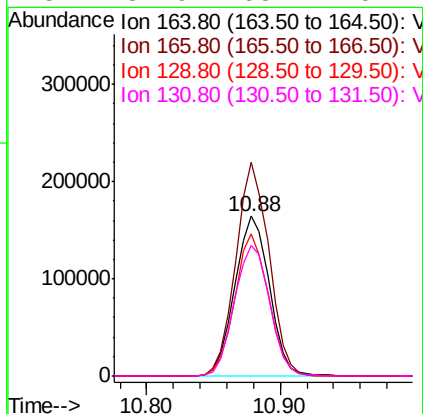
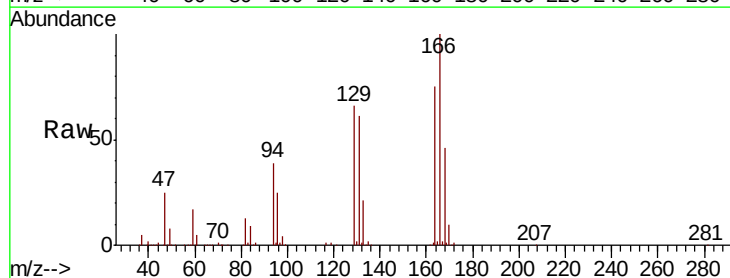
Instrument :
MSVOA_D
ClientSampleId :

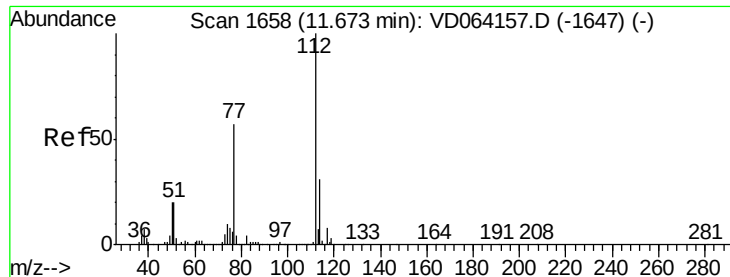
Tot Ion:117 Resp: 774734
Ion Ratio Lower Upper
117 100
82 52.0 42.8 64.2
119 32.5 25.6 38.4



#64
Tetrachloroethene
Concen: 49.535 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Tgt Ion:164 Resp: 295152
Ion Ratio Lower Upper
164 100
166 133.6 100.8 151.2
129 88.7 68.7 103.1
131 81.9 68.1 102.1

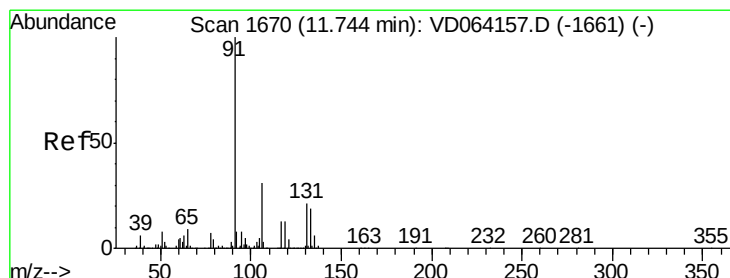
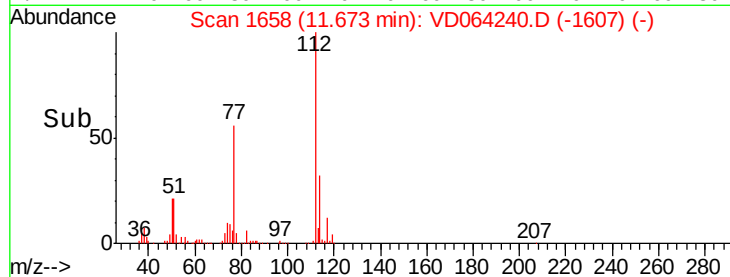
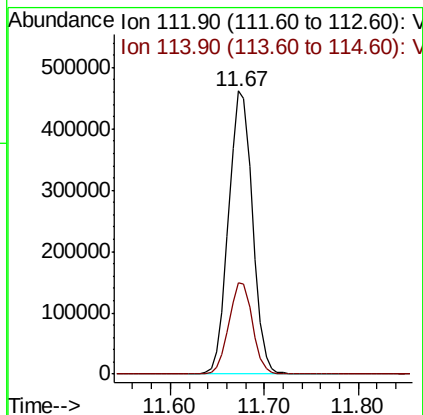
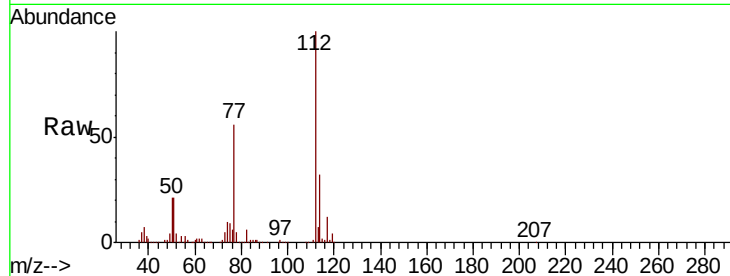




#65
Chlorobenzene
Concen: 51.774 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

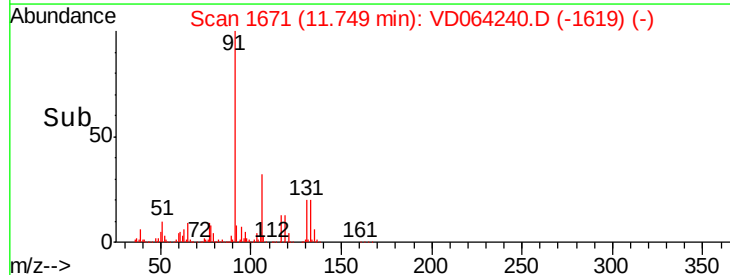
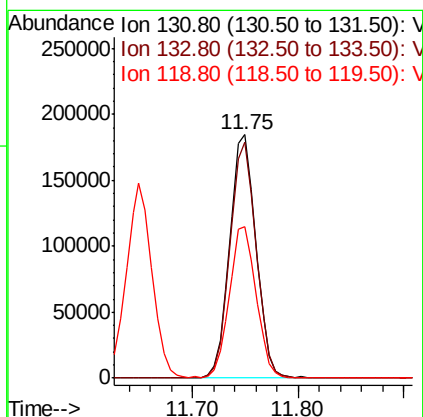
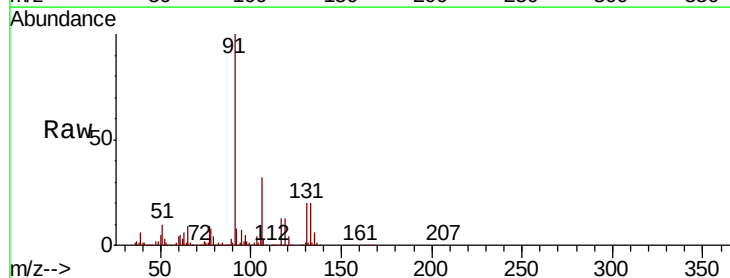
Instrument :
MSVOA_D
ClientSampleId :

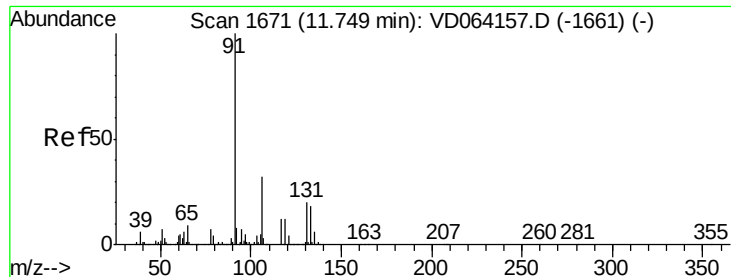
Tot Ion:112 Resp: 815661
Ion Ratio Lower Upper
112 100
114 32.3 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 52.794 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Tgt Ion:131 Resp: 316259
Ion Ratio Lower Upper
131 100
133 96.5 47.3 141.9
119 63.4 31.1 93.3





#67

Ethyl Benzene

Concen: 51.403 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064240.D

Acq: 15 Nov 2019 21:46

Instrument :

MSVOA_D

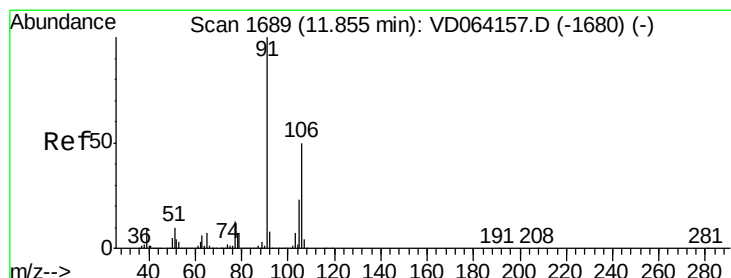
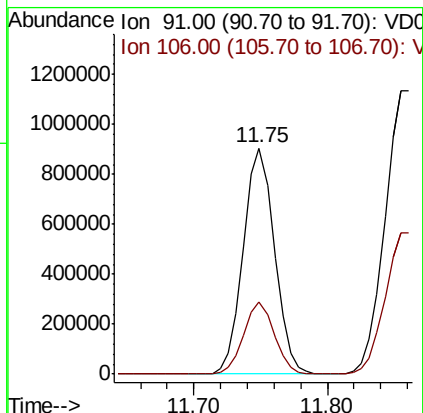
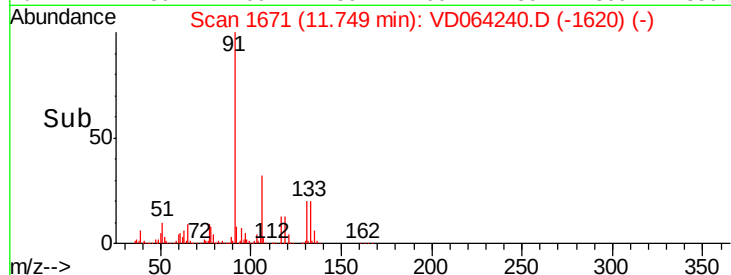
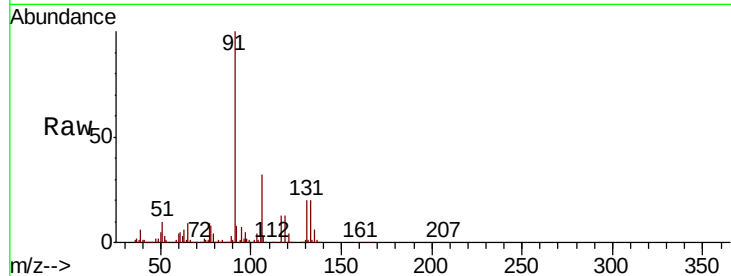
ClientSampleId :

Tot Ion: 91 Resp: 1464822

Ion Ratio Lower Upper

91 100

106 32.2 25.5 38.3



#68

m/p-Xylenes

Concen: 102.086 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD064240.D

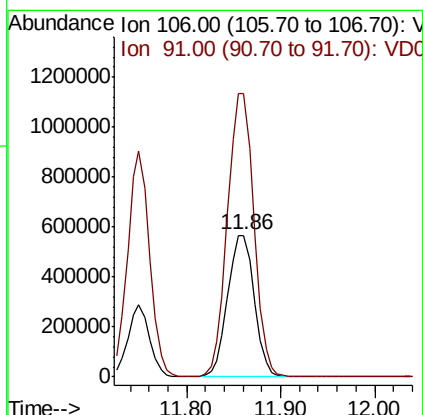
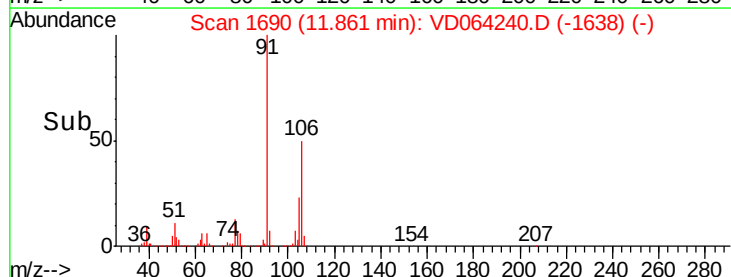
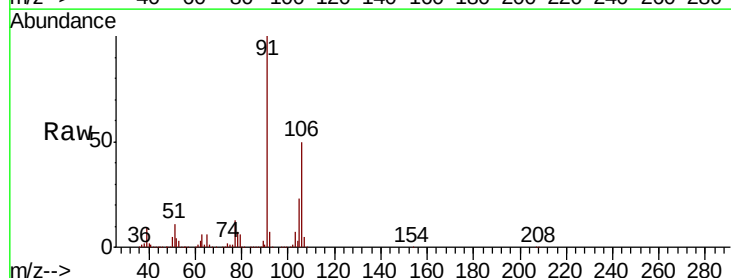
Acq: 15 Nov 2019 21:46

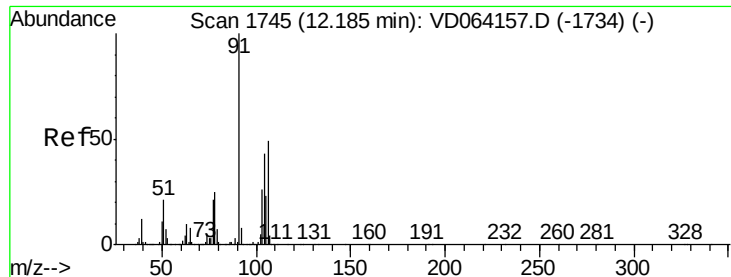
Tgt Ion: 106 Resp: 1115067

Ion Ratio Lower Upper

106 100

91 198.8 160.3 240.5

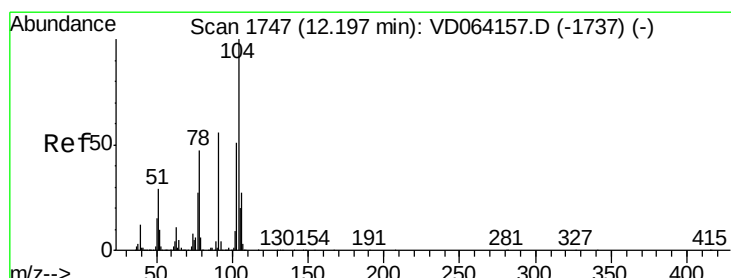
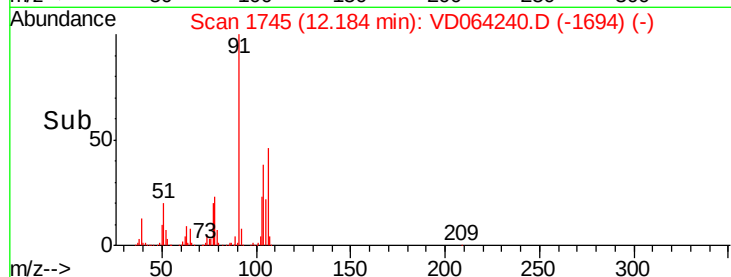
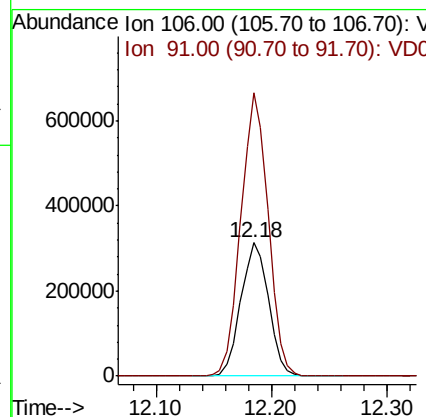
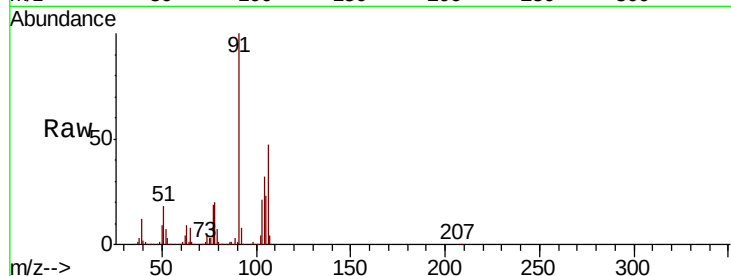




#69
o-Xylene
Concen: 51.426 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

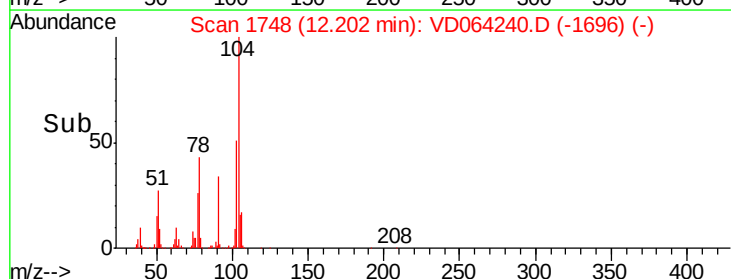
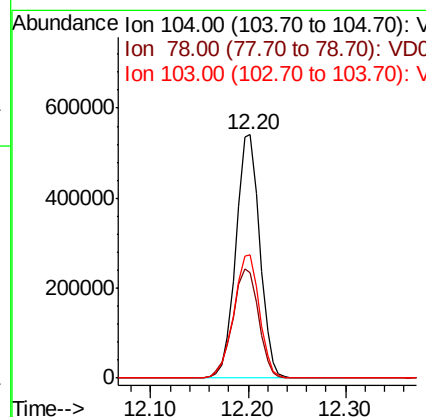
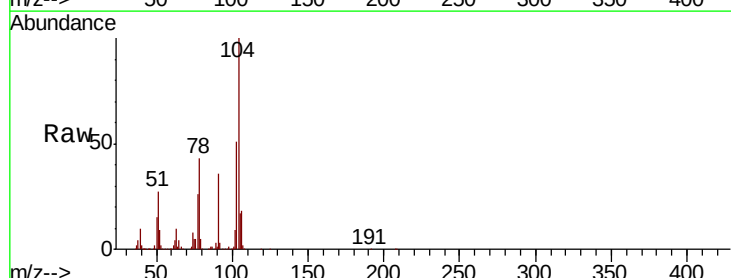
Instrument :
MSVOA_D
ClientSampled :

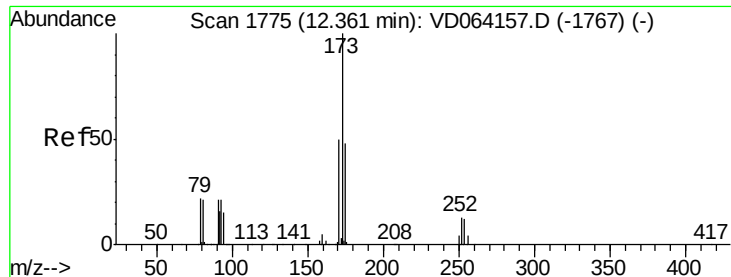
Tot Ion:106 Resp: 520965
Ion Ratio Lower Upper
106 100
91 209.1 105.1 315.3



#70
Styrene
Concen: 52.050 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Tgt Ion:104 Resp: 920405
Ion Ratio Lower Upper
104 100
78 48.7 39.9 59.9
103 54.3 43.4 65.0





#71

Bromoform

Concen: 56.939 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064240.D

Acq: 15 Nov 2019 21:46

Instrument :

MSVOA_D

ClientSampled :

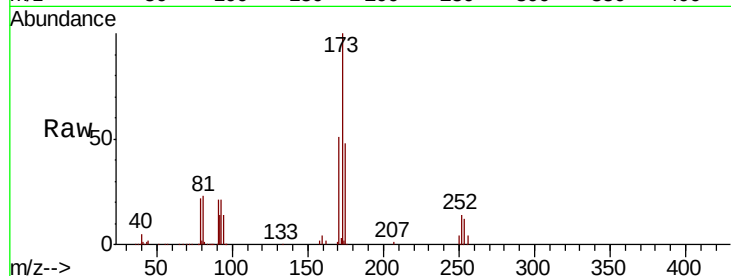
Tot Ion:173 Resp: 194116

Ion Ratio Lower Upper

173 100

175 47.9 24.1 72.3

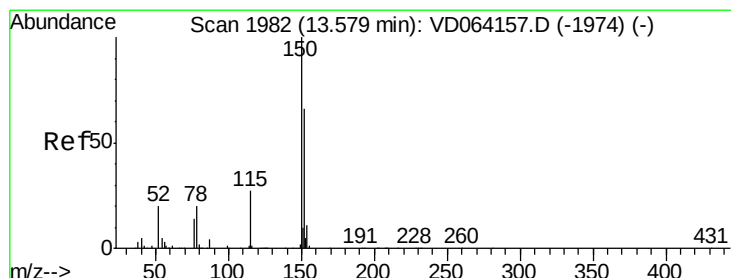
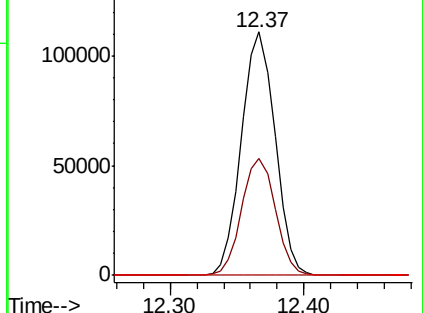
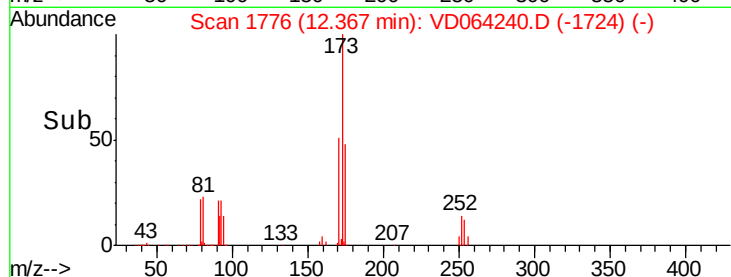
254 0.2 0.2 0.2



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. 0.01 min

Lab File: VD064240.D

Acq: 15 Nov 2019 21:46

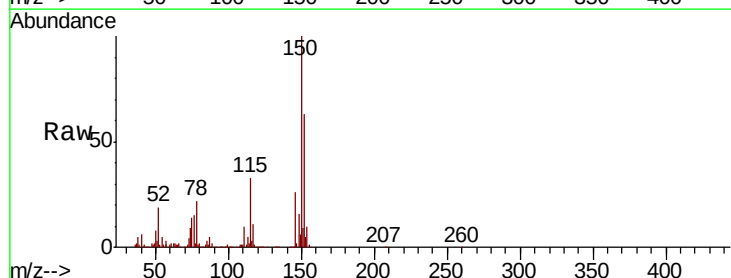
Tgt Ion:152 Resp: 379492

Ion Ratio Lower Upper

152 100

115 53.6 27.4 82.2

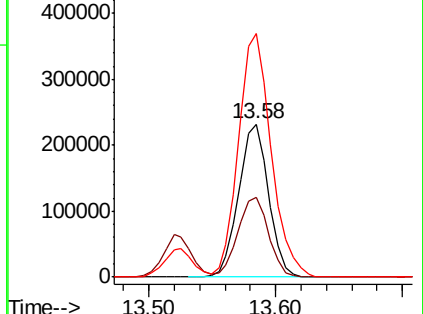
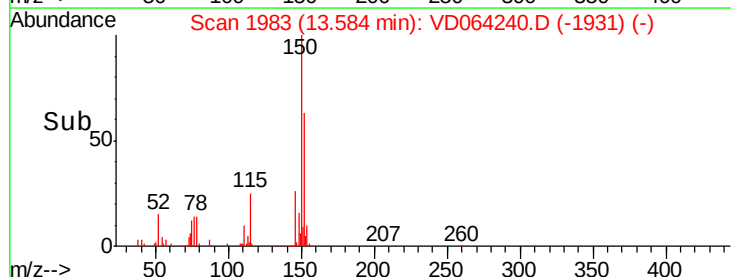
150 173.5 0.0 351.6

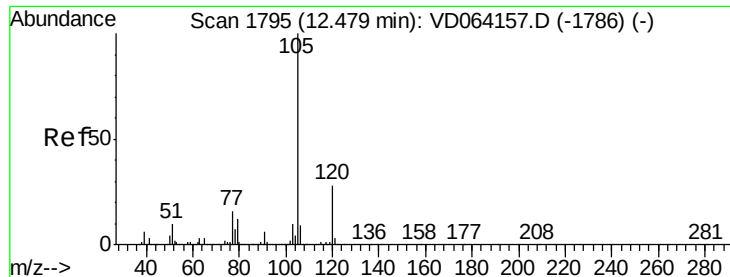


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.865 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064240.D

Acq: 15 Nov 2019 21:46

Instrument :

MSVOA_D

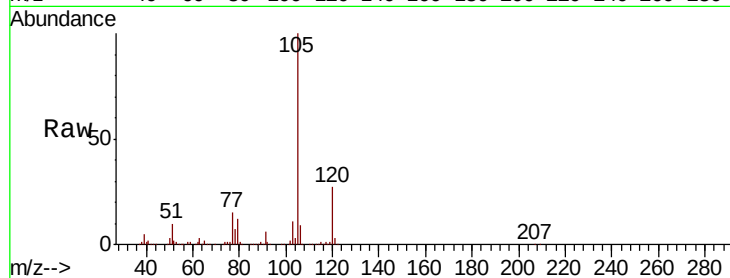
ClientSampleId :

Tot Ion:105 Resp: 1388961

Ion Ratio Lower Upper

105 100

120 27.5 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

800000

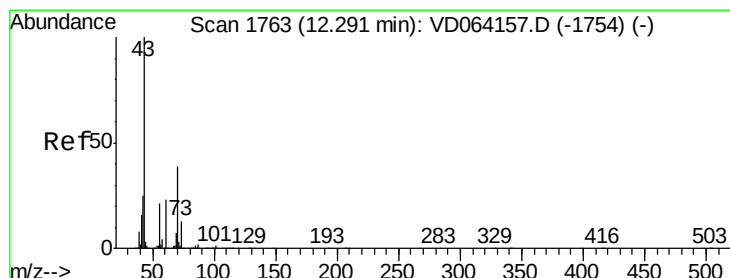
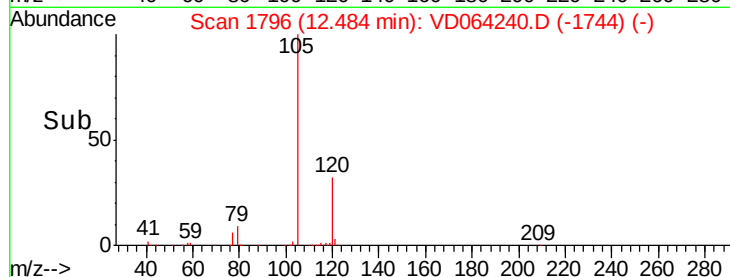
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 52.909 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064240.D

Acq: 15 Nov 2019 21:46

Tgt Ion: 43 Resp: 348026

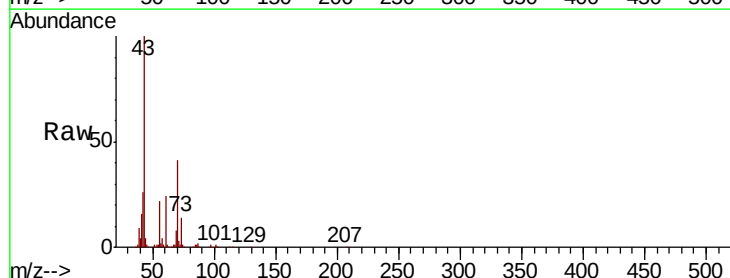
Ion Ratio Lower Upper

43 100

70 40.9 32.4 48.6

55 22.4 17.9 26.9

61 23.6 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

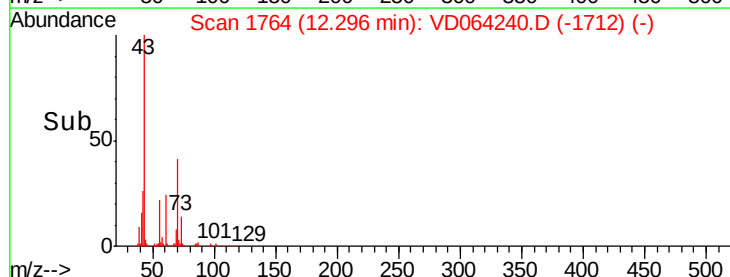
300000

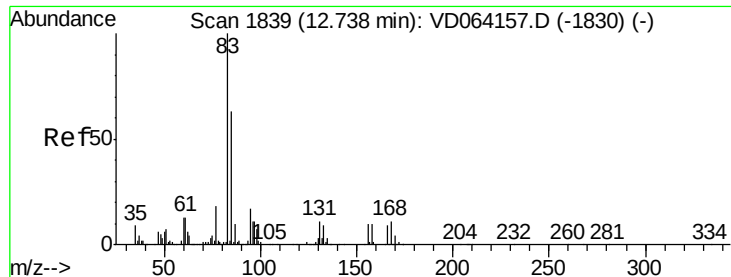
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 55.836 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064240.D

Acq: 15 Nov 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

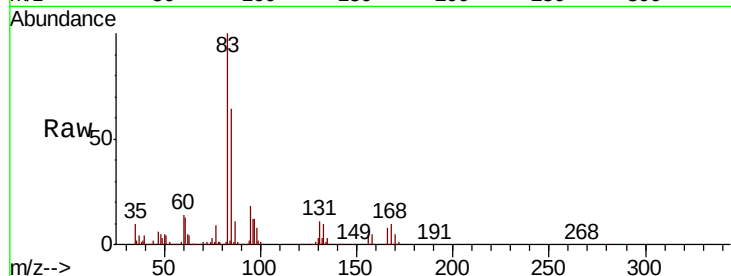
Tot Ion: 83 Resp: 234353

Ion Ratio Lower Upper

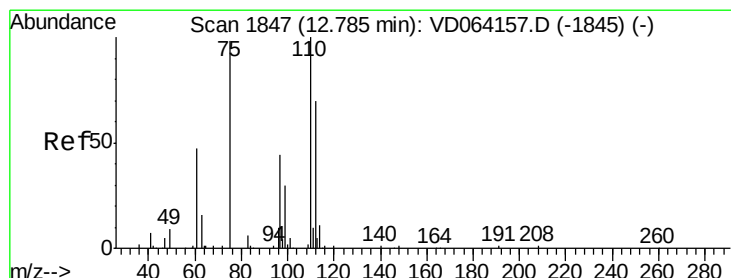
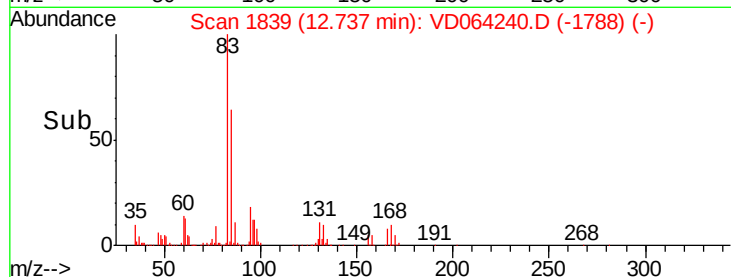
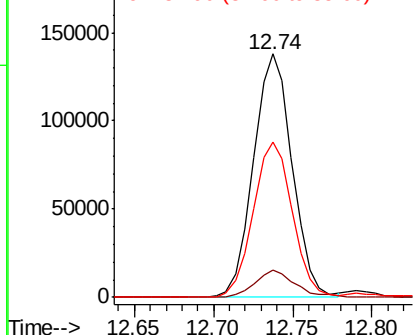
83 100

131 11.5 5.9 17.7

85 64.5 32.5 97.5



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 103.813 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD064240.D

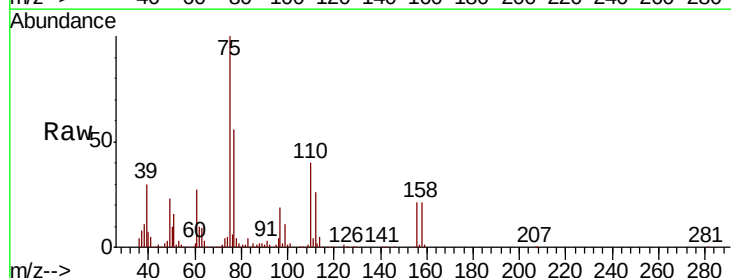
Acq: 15 Nov 2019 21:46

Tgt Ion: 75 Resp: 317323

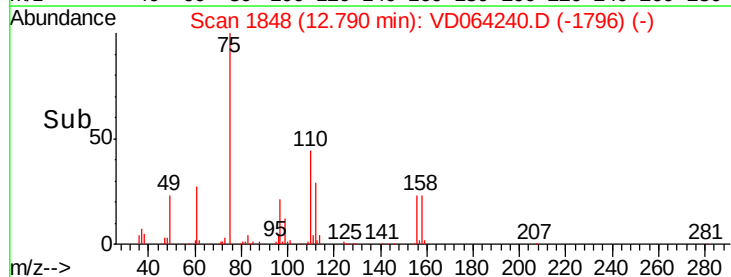
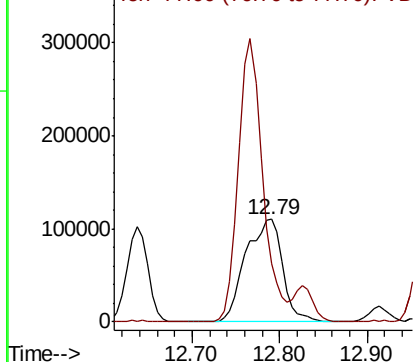
Ion Ratio Lower Upper

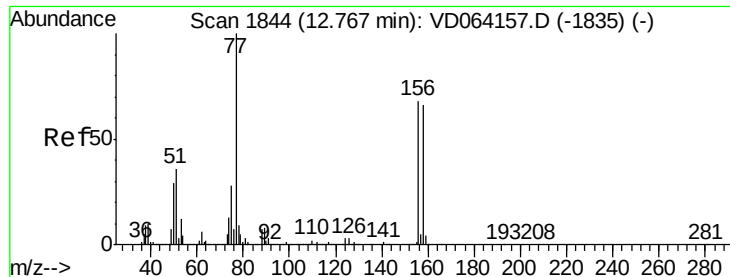
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 52.935 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064240.D

Acq: 15 Nov 2019 21:46

Instrument :

MSVOA_D

ClientSampleId :

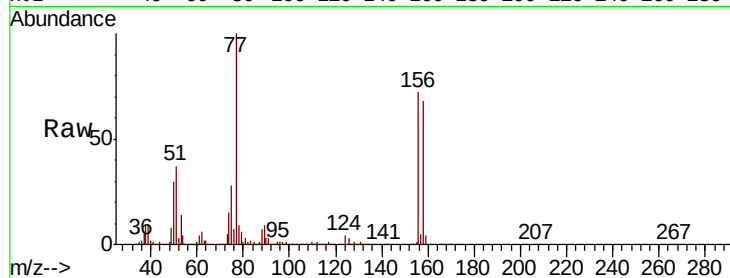
Tot Ion:156 Resp: 358216

Ion Ratio Lower Upper

156 100

77 159.9 81.2 243.4

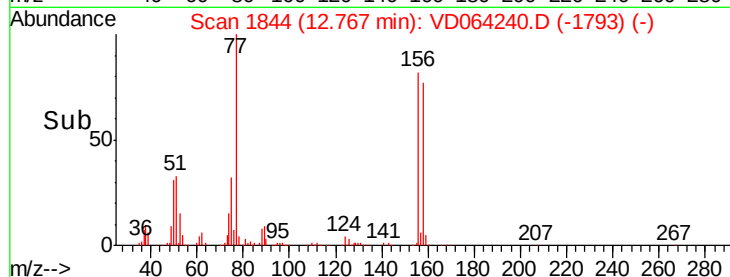
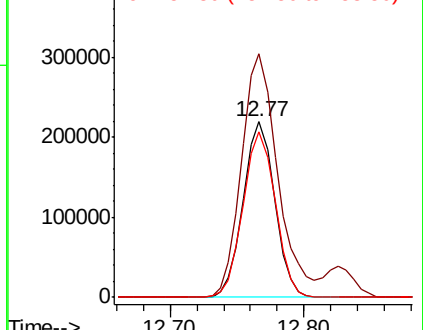
158 96.6 48.4 145.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.392 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064240.D

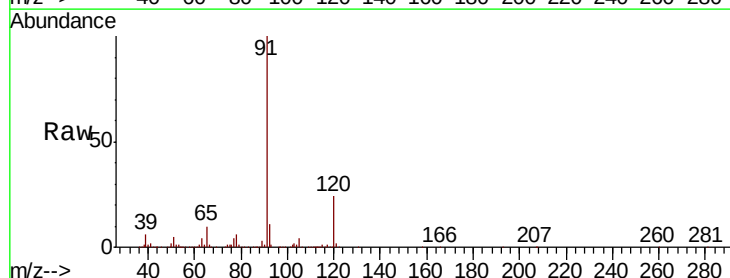
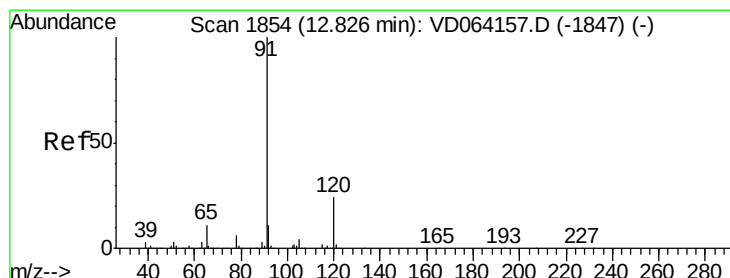
Acq: 15 Nov 2019 21:46

Tgt Ion: 91 Resp: 1603681

Ion Ratio Lower Upper

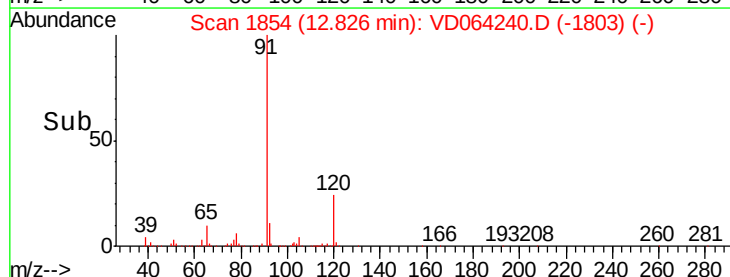
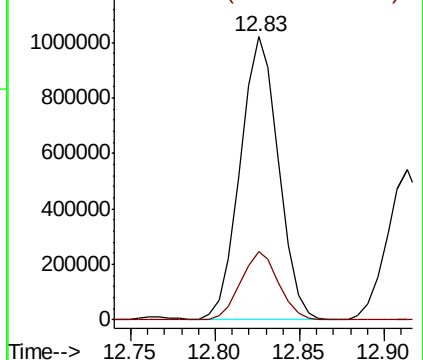
91 100

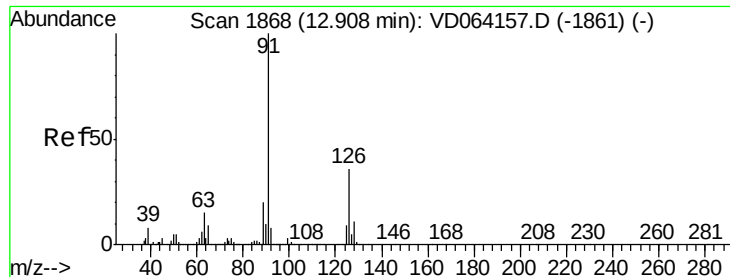
120 23.9 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

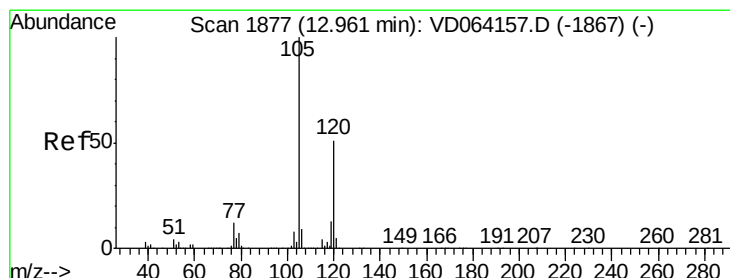
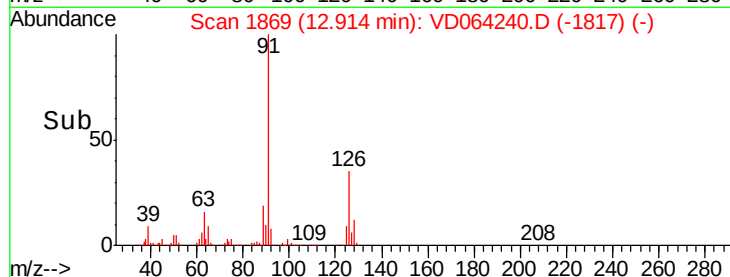
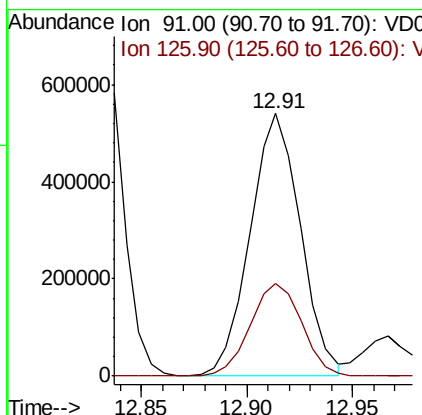
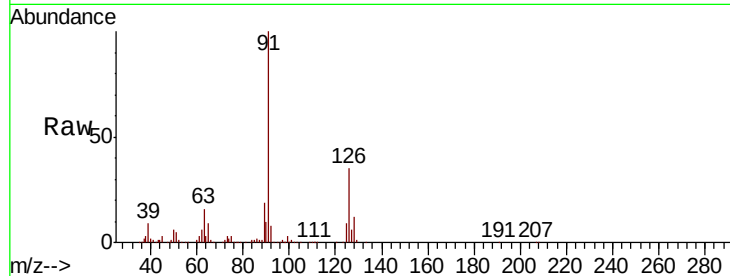




#79
 2-Chlorotoluene
 Concen: 49.762 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.01 min
 Lab File: VD064240.D
 Acq: 15 Nov 2019 21:46

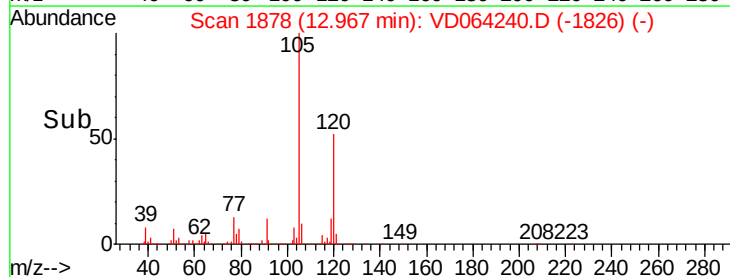
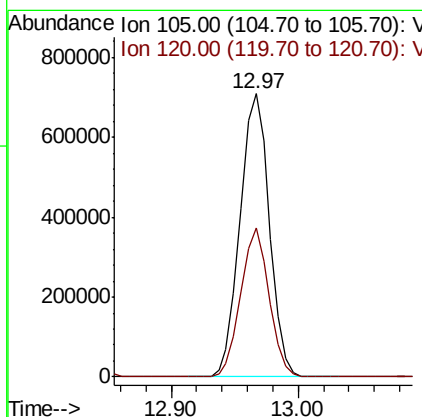
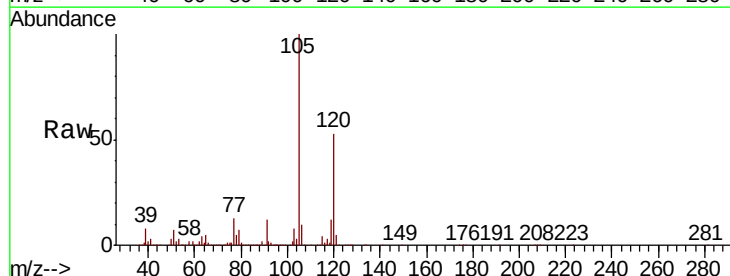
Instrument :
 MSVOA_D
 ClientSampleId :

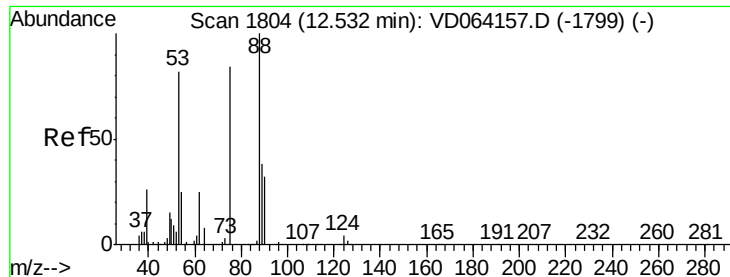
Tot Ion: 91 Resp: 894089
 Ion Ratio Lower Upper
 91 100
 126 36.3 17.7 53.1



#80
 1,3,5-Trimethylbenzene
 Concen: 49.683 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.01 min
 Lab File: VD064240.D
 Acq: 15 Nov 2019 21:46

Tgt Ion: 105 Resp: 1137155
 Ion Ratio Lower Upper
 105 100
 120 51.0 25.4 76.4

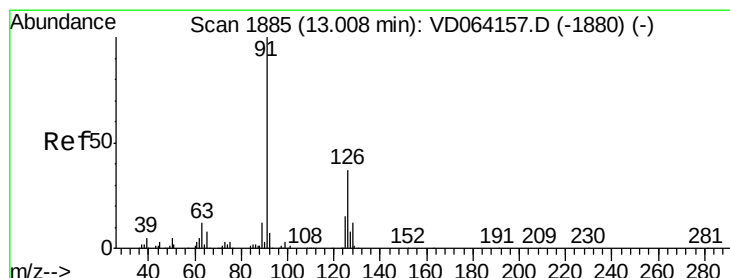
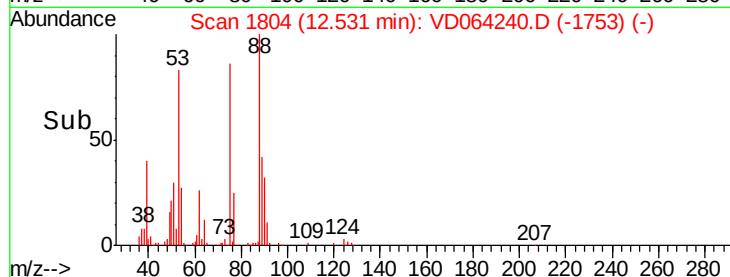
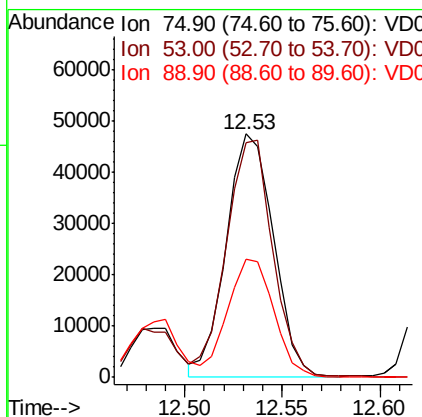
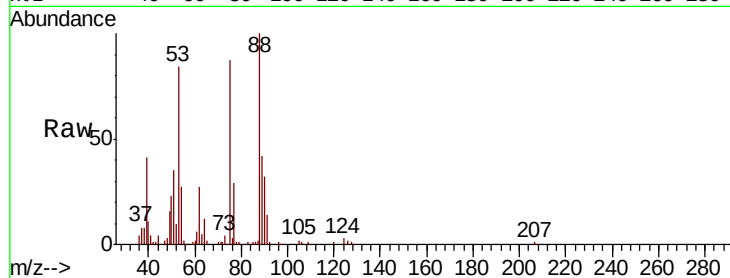




#81
trans-1,4-Dichloro-2-butene
Concen: 51.415 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

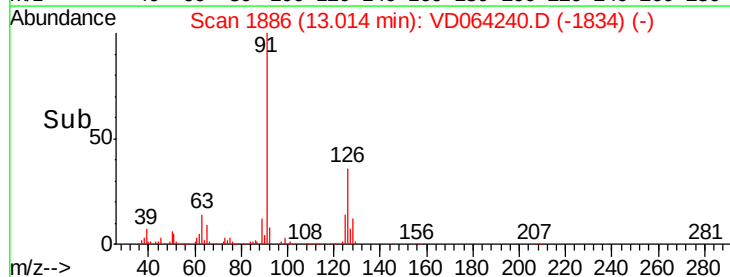
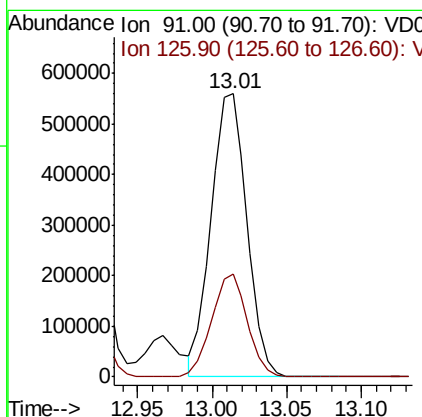
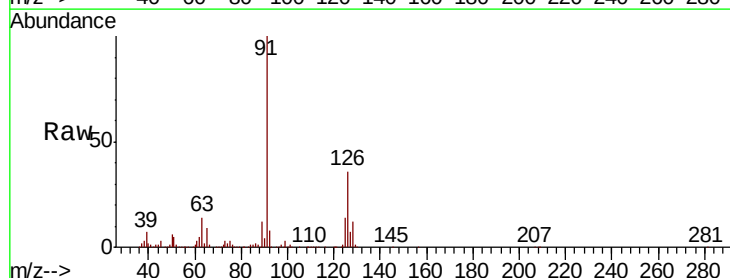
Instrument :
MSVOA_D
ClientSampleId :

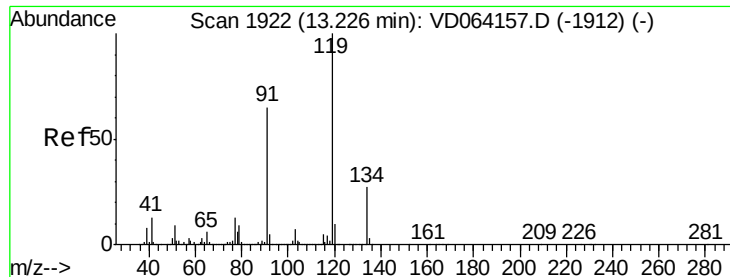
Tot Ion: 75 Resp: 79118
Ion Ratio Lower Upper
75 100
53 97.6 79.4 119.0
89 47.6 36.6 55.0



#82
4-Chlorotoluene
Concen: 49.947 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.01 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Tgt Ion: 91 Resp: 936016
Ion Ratio Lower Upper
91 100
126 36.3 17.8 53.4

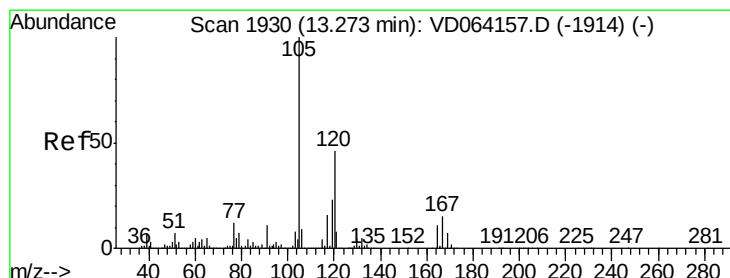
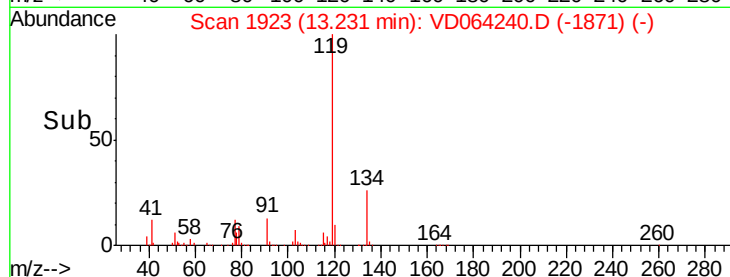
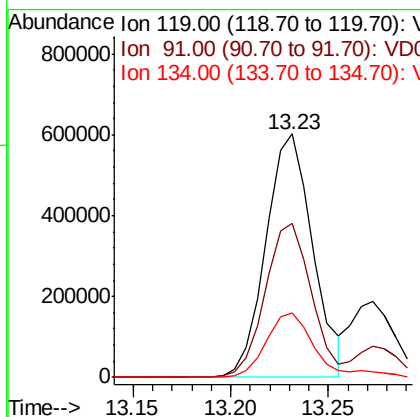
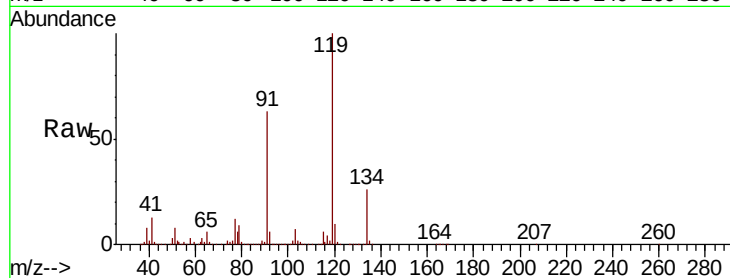




#83
 tert-Butylbenzene
 Concen: 49.732 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VD064240.D
 Acq: 15 Nov 2019 21:46

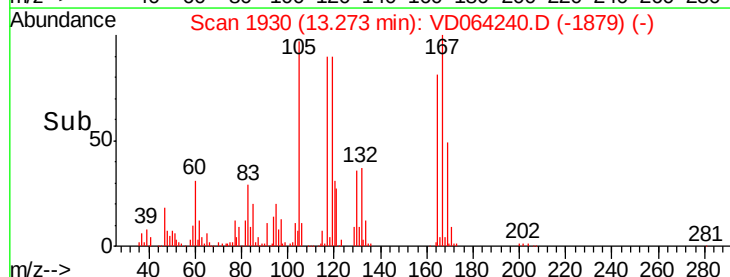
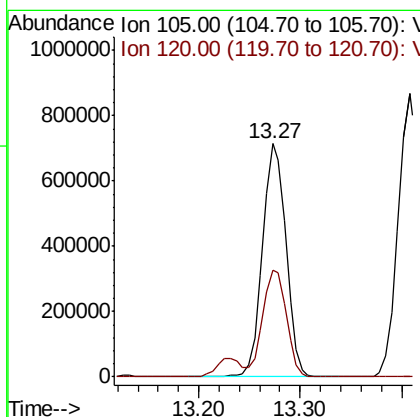
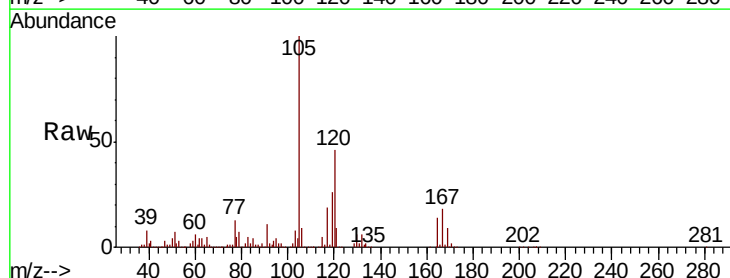
Instrument :
 MSVOA_D
 ClientSampleId :

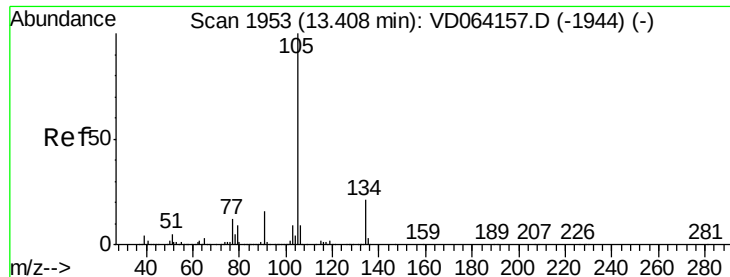
Tot Ion:119 Resp: 1003695
 Ion Ratio Lower Upper
 119 100
 91 62.1 31.8 95.4
 134 27.9 13.7 41.0



#84
 1,2,4-Trimethylbenzene
 Concen: 50.960 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD064240.D
 Acq: 15 Nov 2019 21:46

Tgt Ion:105 Resp: 1151517
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.3 69.8





#85

sec-Butylbenzene

Concen: 49.951 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD064240.D

Acq: 15 Nov 2019 21:46

Instrument :

MSVOA_D

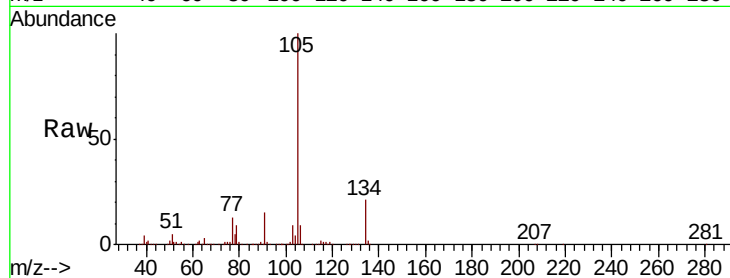
ClientSampleId :

Tot Ion:105 Resp: 1353995

Ion Ratio Lower Upper

105 100

134 21.3 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

1000000

800000

600000

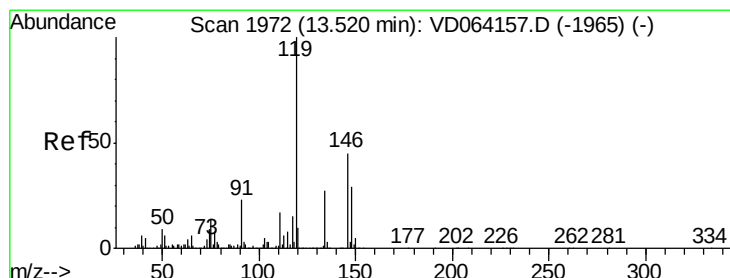
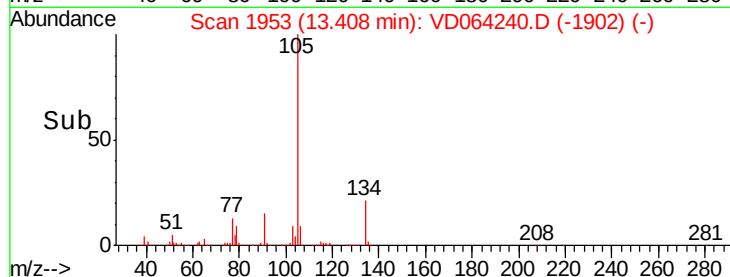
400000

200000

0

13.40 13.50

Time-->



#86

p-Isopropyltoluene

Concen: 49.717 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD064240.D

Acq: 15 Nov 2019 21:46

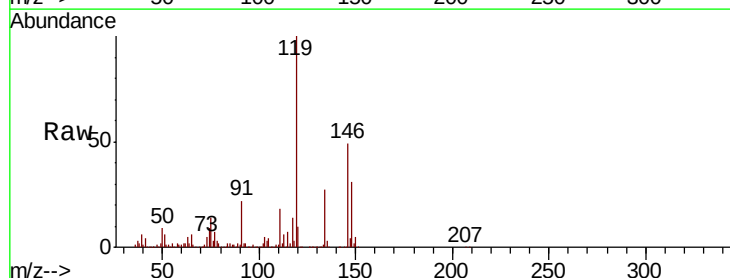
Tgt Ion:119 Resp: 1281217

Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.5

91 22.8 11.5 34.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

1000000

800000

600000

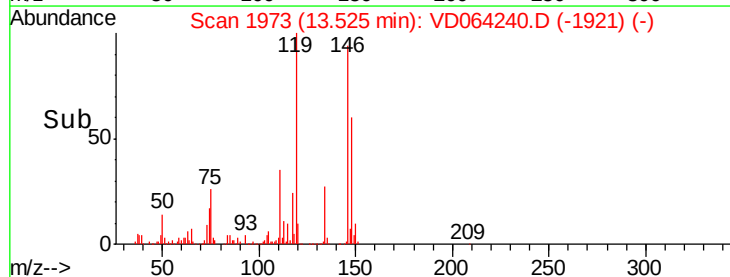
400000

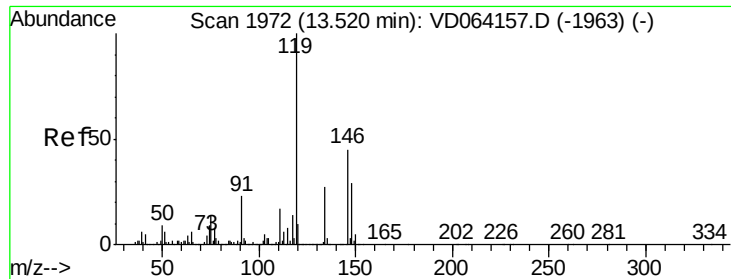
200000

0

13.45 13.50 13.55 13.60

Time-->

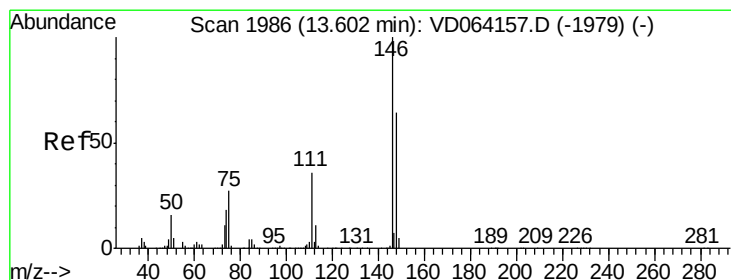
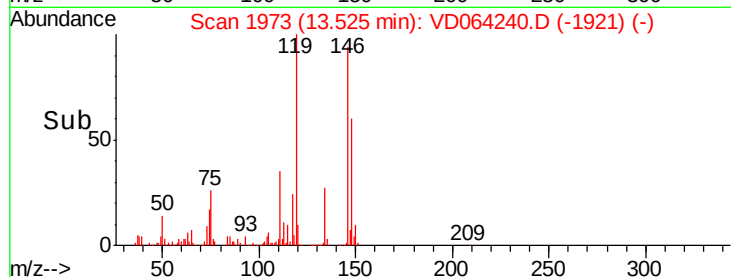
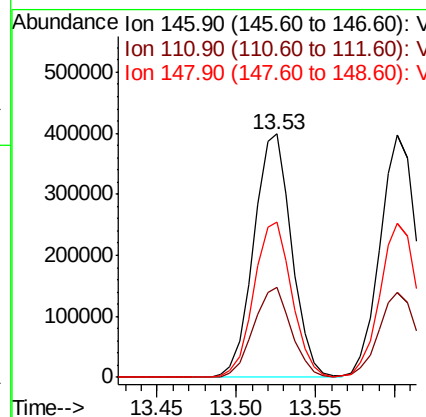
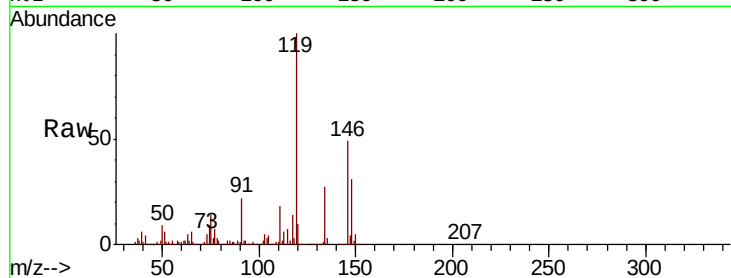




#87
 1,3-Dichlorobenzene
 Concen: 52.809 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD064240.D
 Acq: 15 Nov 2019 21:46

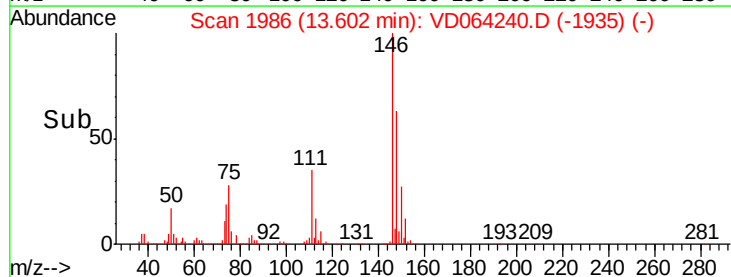
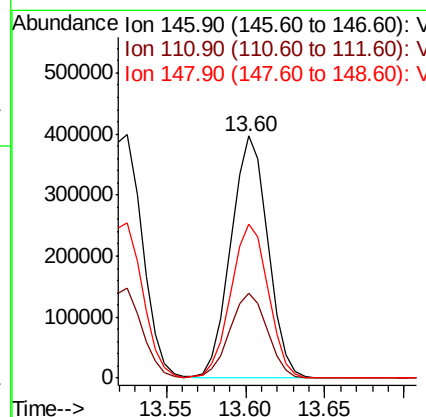
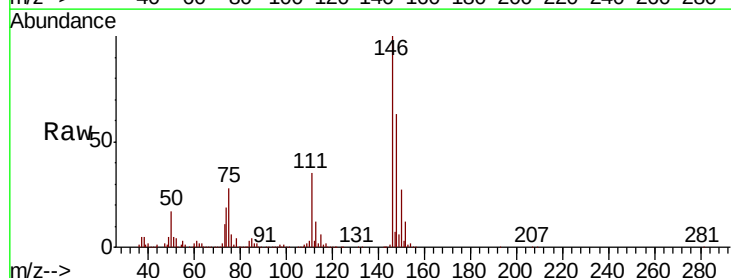
Instrument :
 MSVOA_D
 ClientSampled :

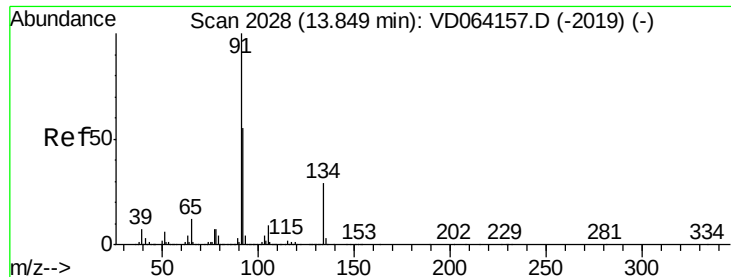
Tot Ion:146 Resp: 663364
 Ion Ratio Lower Upper
 146 100
 111 36.6 18.9 56.9
 148 63.7 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 52.264 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064240.D
 Acq: 15 Nov 2019 21:46

Tgt Ion:146 Resp: 640762
 Ion Ratio Lower Upper
 146 100
 111 35.9 18.1 54.4
 148 64.6 31.9 95.7

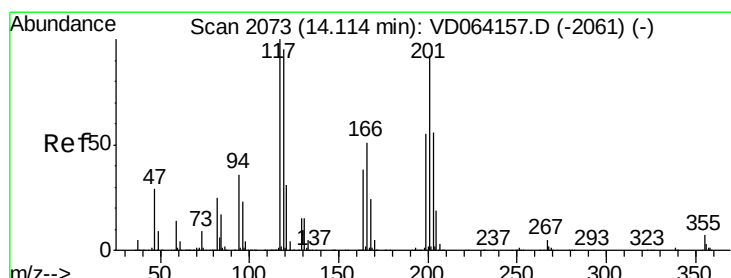
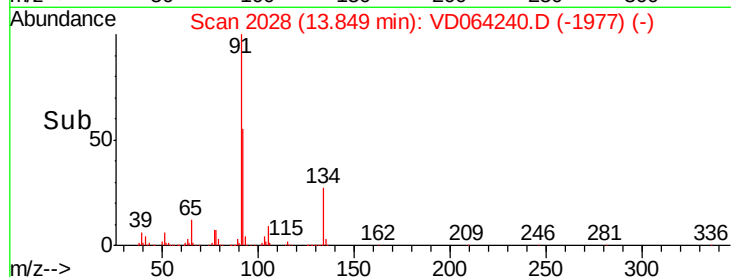
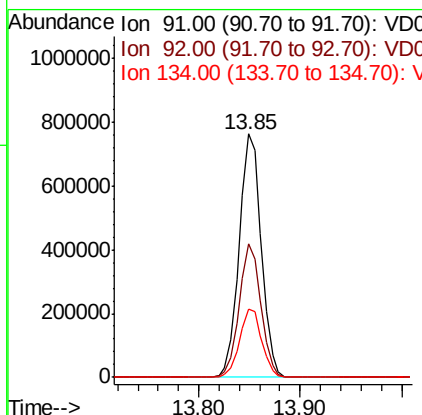
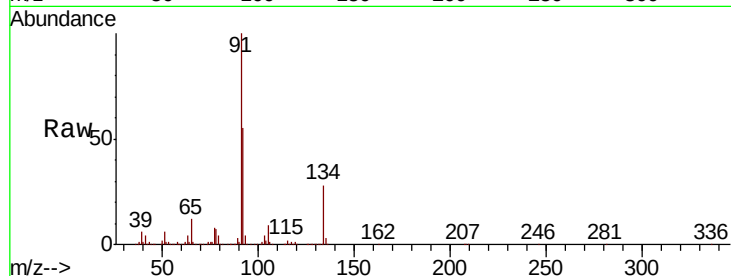




#89
n-Butylbenzene
Concen: 49.436 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

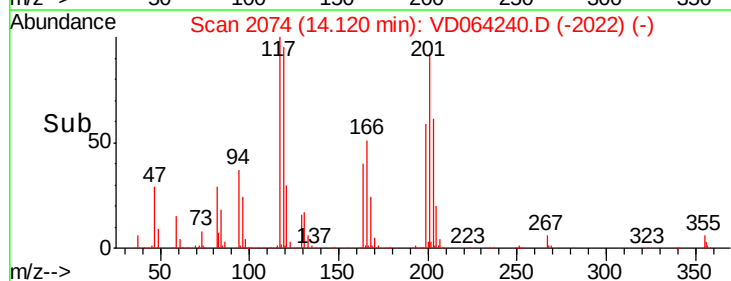
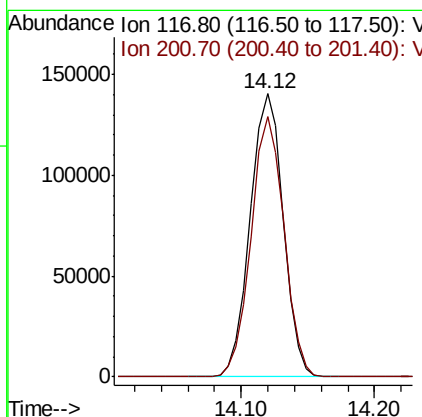
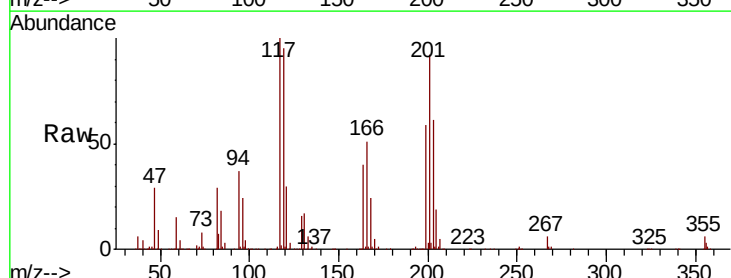
Instrument :
MSVOA_D
ClientSampled :

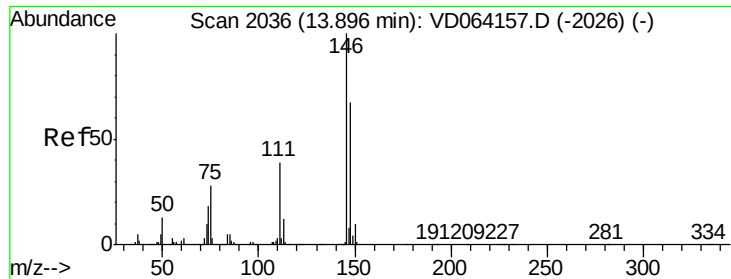
Tot Ion: 91 Resp: 1150979
Ion Ratio Lower Upper
91 100
92 53.8 27.3 81.8
134 28.2 14.1 42.4



#90
Hexachloroethane
Concen: 50.327 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Tgt Ion: 117 Resp: 239689
Ion Ratio Lower Upper
117 100
201 91.4 45.8 137.4

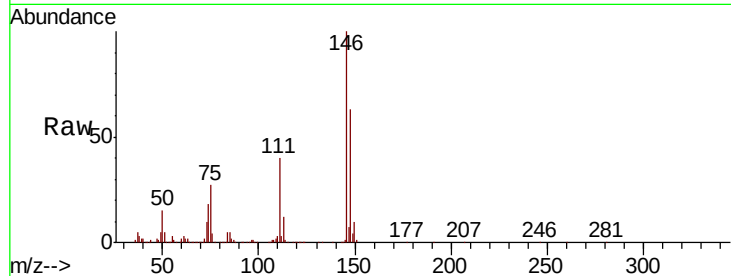




#91
 1,2-Dichlorobenzene
 Concen: 53.323 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD064240.D
 Acq: 15 Nov 2019 21:46

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.7	59.0
148	63.9	32.3	96.8

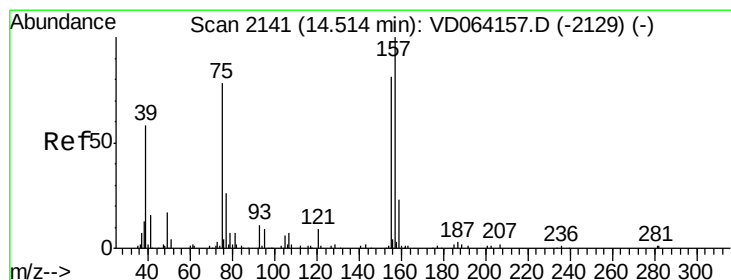
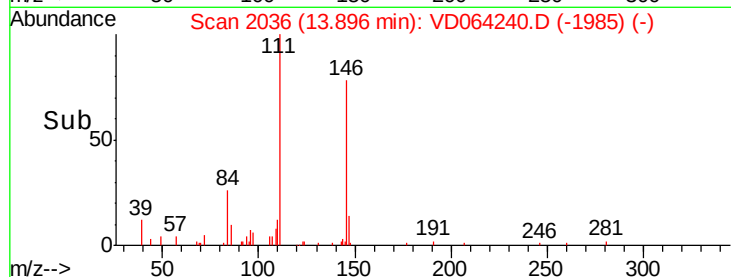
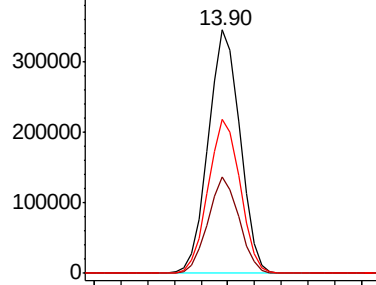


Abundance

Ion 145.90 (145.60 to 146.60): V

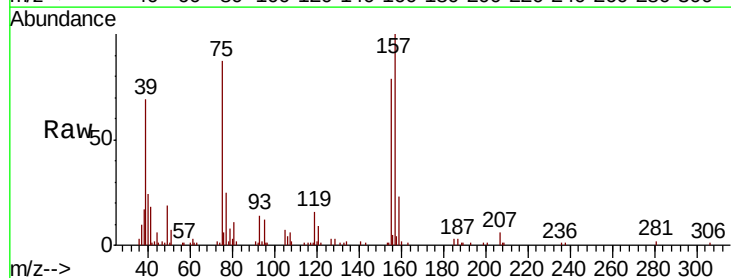
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.455 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD064240.D
 Acq: 15 Nov 2019 21:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.6	48.0	144.0
157	125.7	61.5	184.4

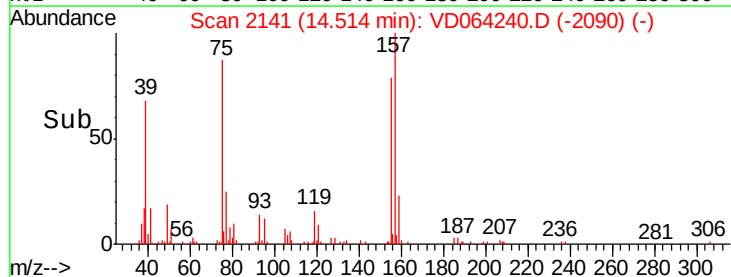
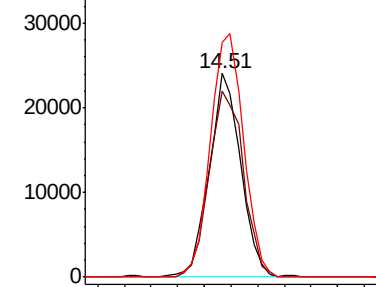


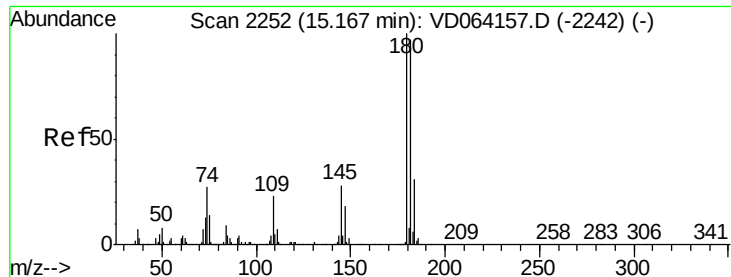
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

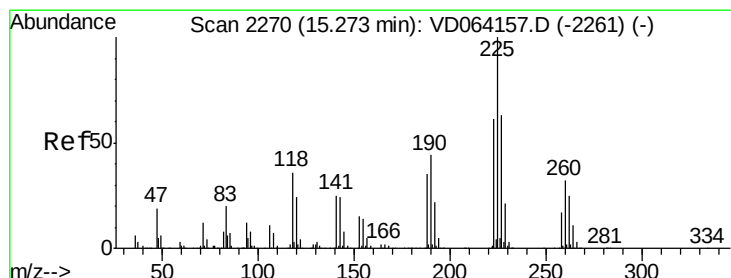
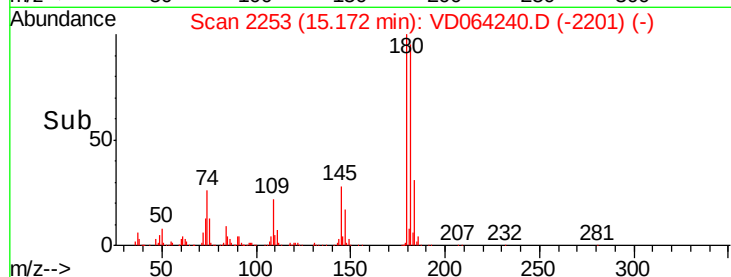
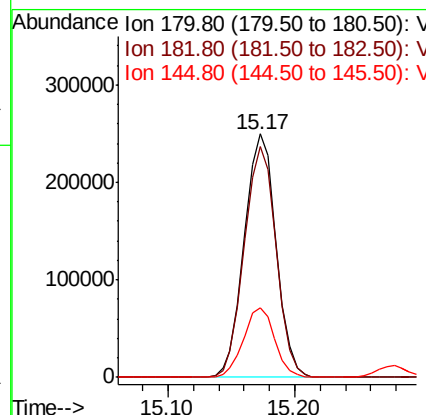
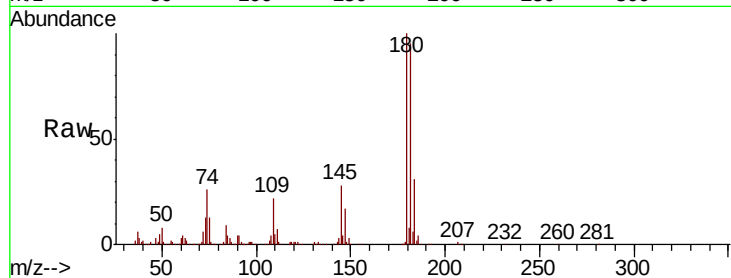




#93
 1,2,4-Trichlorobenzene
 Concen: 52.949 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064240.D
 Acq: 15 Nov 2019 21:46

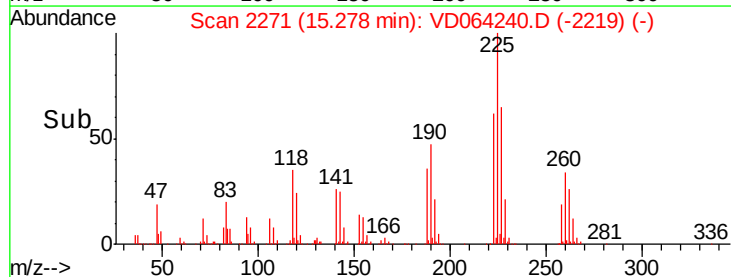
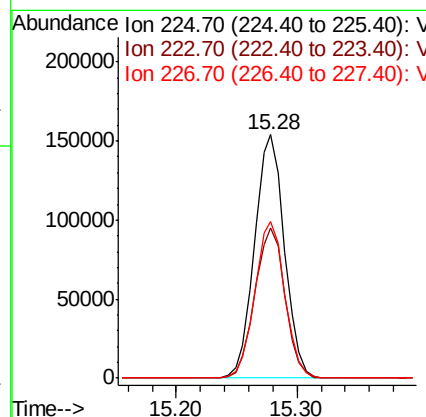
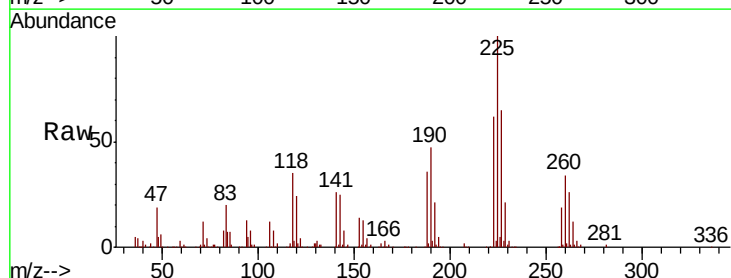
Instrument :
 MSVOA_D
 ClientSampleId :

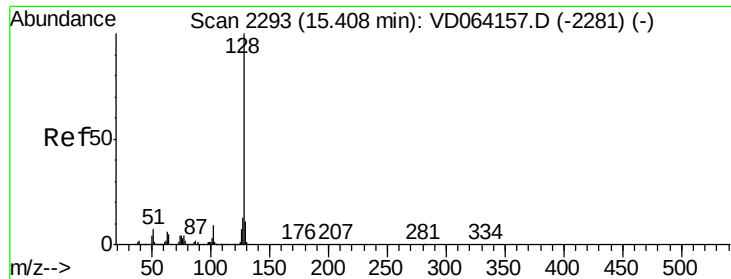
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.5	142.5
145	28.3	14.2	42.6



#94
 Hexachlorobutadiene
 Concen: 50.244 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064240.D
 Acq: 15 Nov 2019 21:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.1	93.3
227	64.1	31.5	94.5

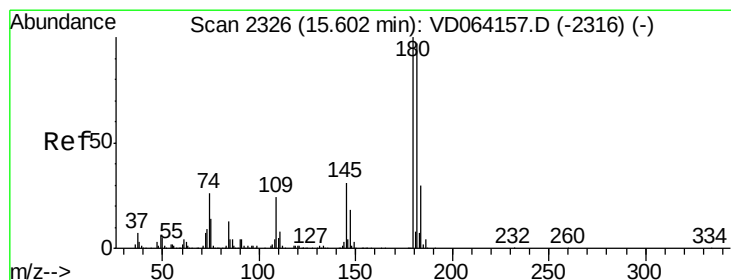
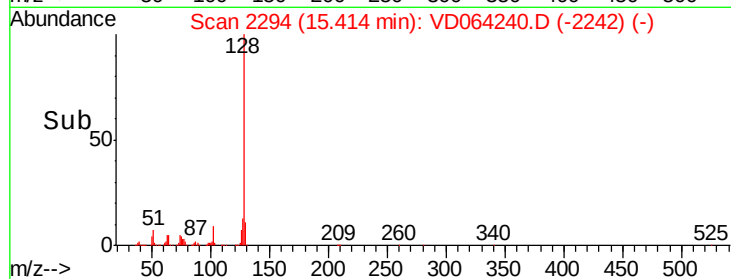
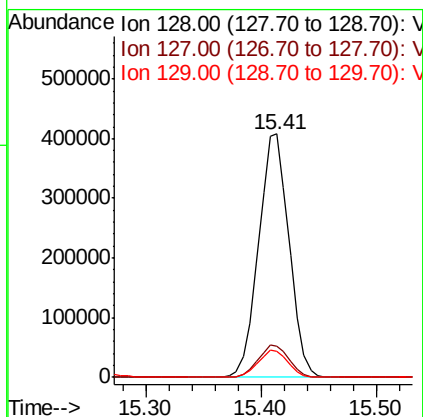
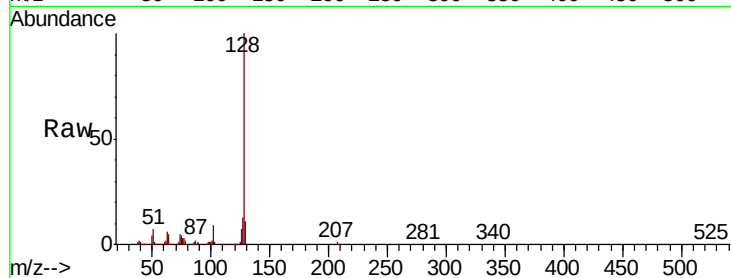




#95
Naphthalene
Concen: 55.837 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.5	15.7
129	11.1	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 54.794 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.01 min
Lab File: VD064240.D
Acq: 15 Nov 2019 21:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.3	144.9
145	29.9	15.3	45.8

