

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111919\
 Data File : VD064282.D
 Acq On : 19 Nov 2019 11:35
 Operator : VA/SY
 Sample : VD1119SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 20 03:24:07 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	598166	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	847686	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	728388	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	348801	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	243894	49.58	ug/l	0.00
Spiked Amount			Recovery	=	99.16%	
35) Dibromofluoromethane	7.92	113	253498	52.10	ug/l	0.00
Spiked Amount			Recovery	=	104.20%	
50) Toluene-d8	10.34	98	953725	51.96	ug/l	0.00
Spiked Amount			Recovery	=	103.92%	
62) 4-Bromofluorobenzene	12.64	95	313948	49.39	ug/l	0.00
Spiked Amount			Recovery	=	98.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	92139	18.573	ug/l	100
3) Chloromethane	2.21	50	109040	20.491	ug/l	97
4) Vinyl Chloride	2.35	62	130367	22.910	ug/l	99
5) Bromomethane	2.76	94	91388	25.433	ug/l	96
6) Chloroethane	2.92	64	86641	23.828	ug/l	99
7) Trichlorofluoromethane	3.27	101	224017	24.281	ug/l	98
8) Diethyl Ether	3.71	74	47925	18.892	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.08	101	103607	19.648	ug/l	99
10) Methyl Iodide	4.29	142	96319	17.383	ug/l	98
11) Tert butyl alcohol	5.25	59	30562	88.944	ug/l #	69
12) 1,1-Dichloroethene	4.06	96	98832	19.663	ug/l	95
13) Acrolein	3.93	56	20288	69.794	ug/l	99
14) Allyl chloride	4.71	41	159642	17.964	ug/l	96
15) Acrylonitrile	5.43	53	103989	96.157	ug/l	100
16) Acetone	4.17	43	86070	73.851	ug/l #	88
17) Carbon Disulfide	4.39	76	285511	18.240	ug/l	99
18) Methyl Acetate	4.72	43	60892	18.707	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	219562	18.298	ug/l	98
20) Methylene Chloride	4.96	84	105598	17.937	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	110882	19.471	ug/l	95
22) Diisopropyl ether	6.37	45	300283	18.211	ug/l	96
23) Vinyl Acetate	6.31	43	845146	91.950	ug/l	99
24) 1,1-Dichloroethane	6.26	63	181209	18.927	ug/l	100
25) 2-Butanone	7.23	43	128595	85.406	ug/l	97
26) 2,2-Dichloropropane	7.21	77	175270	18.668	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	121059	19.824	ug/l	95
28) Bromochloromethane	7.54	49	53324	15.998	ug/l	97
29) Tetrahydrofuran	7.57	42	83113	91.873	ug/l	97
30) Chloroform	7.71	83	204445	20.876	ug/l	97
31) Cyclohexane	7.99	56	178074	18.443	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	182985	19.514	ug/l	99
36) 1,1-Dichloropropene	8.11	75	150349	19.218	ug/l	98
37) Ethyl Acetate	7.30	43	55056	16.693	ug/l	96
38) Carbon Tetrachloride	8.10	117	164546	19.656	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	186676	18.857	ug/l	96
40) Benzene	8.35	78	414913	19.405	ug/l	97
41) Methacrylonitrile	7.53	41	36062	17.396	ug/l	93
42) 1,2-Dichloroethane	8.43	62	115988	18.062	ug/l	98
43) Isopropyl Acetate	8.46	43	120697	17.761	ug/l	98
44) Trichloroethene	9.11	130	126424	19.701	ug/l	96
45) 1,2-Dichloropropane	9.39	63	100668	19.344	ug/l	98
46) Dibromomethane	9.47	93	52738	18.929	ug/l	95
47) Bromodichloromethane	9.67	83	145373	19.371	ug/l	97
48) Methyl methacrylate	9.46	41	55412	16.676	ug/l	92
49) 1,4-Dioxane	9.47	88	12241	365.828	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	288042	88.390	ug/l	98
52) Toluene	10.41	92	274360	19.514	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	137487	18.286	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	164702	18.773	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	73455	19.435	ug/l	97
56) Ethyl methacrylate	10.67	69	94393	17.853	ug/l	97
57) 1,3-Dichloropropane	10.95	76	127101	19.282	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	209084	97.626	ug/l	98
59) 2-Hexanone	10.99	43	197935	85.374	ug/l	98
60) Dibromochloromethane	11.14	129	101671	19.278	ug/l	99
61) 1,2-Dibromoethane	11.25	107	73715	19.472	ug/l	99
64) Tetrachloroethene	10.88	164	111029	19.820	ug/l	96
65) Chlorobenzene	11.68	112	289031	19.514	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	109886	19.511	ug/l	99
67) Ethyl Benzene	11.75	91	519683	19.397	ug/l	99
68) m/p-Xylenes	11.86	106	396756	38.635	ug/l	99
69) o-Xylene	12.18	106	185975	19.526	ug/l	97
70) Styrene	12.20	104	318355	19.149	ug/l	98
71) Bromoform	12.37	173	62537	19.511	ug/l #	99
73) Isopropylbenzene	12.48	105	513866	20.071	ug/l	100
74) N-amyl acetate	12.30	43	110357	18.254	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	75044	19.453	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	101719	36.206	ug/l #	100
77) Bromobenzene	12.77	156	124668	20.044	ug/l	96
78) n-propylbenzene	12.83	91	589620	20.158	ug/l	100
79) 2-Chlorotoluene	12.91	91	321833	19.488	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	408214	19.404	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	24332	17.203	ug/l	96
82) 4-Chlorotoluene	13.01	91	332109	19.281	ug/l	98
83) tert-Butylbenzene	13.23	119	358846	19.345	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	404990	19.500	ug/l	99
85) sec-Butylbenzene	13.41	105	486521	19.528	ug/l	100
86) p-Isopropyltoluene	13.53	119	460128	19.426	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	227882	19.737	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	220876	19.601	ug/l	99
89) n-Butylbenzene	13.86	91	415009	19.394	ug/l	99
90) Hexachloroethane	14.12	117	86203	19.693	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	193698	19.821	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12372	17.937	ug/l	96

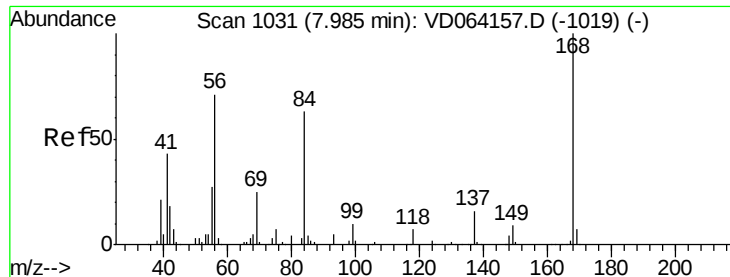
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	145910	19.355	ug/l	97
94) Hexachlorobutadiene	15.28	225	96048	19.726	ug/l	98
95) Naphthalene	15.41	128	238583	19.307	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	126083	19.676	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064282.D

Acq: 19 Nov 2019 11:35

Instrument :

MSVOA_D

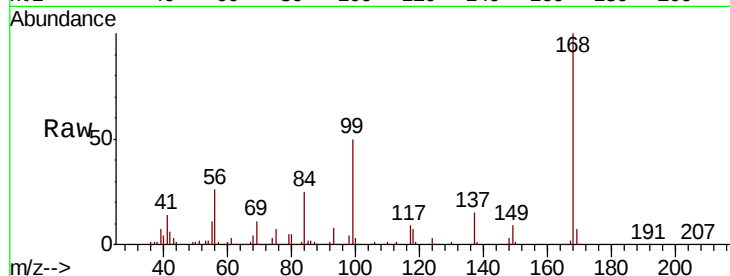
ClientSampleId :

Tot Ion:168 Resp: 598166

Ion Ratio Lower Upper

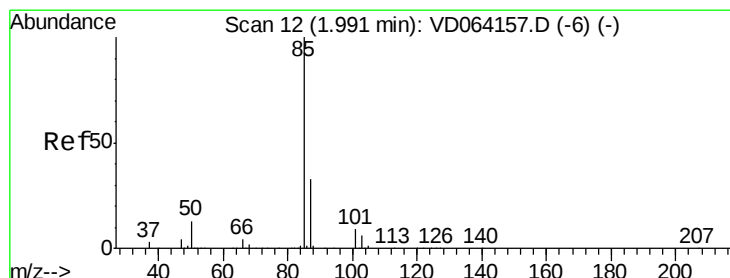
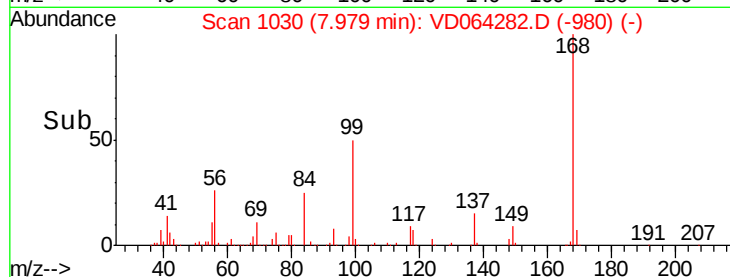
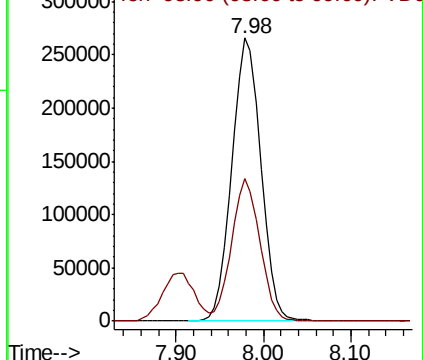
168 100

99 50.3 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: 18.573 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064282.D

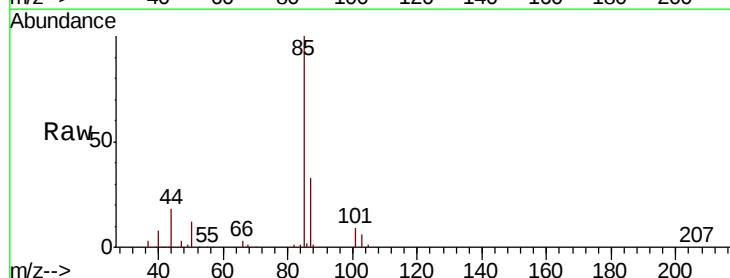
Acq: 19 Nov 2019 11:35

Tgt Ion: 85 Resp: 92139

Ion Ratio Lower Upper

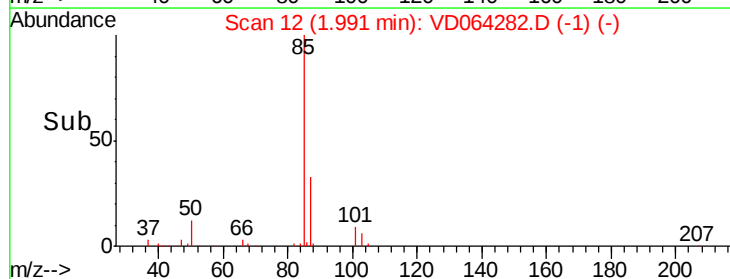
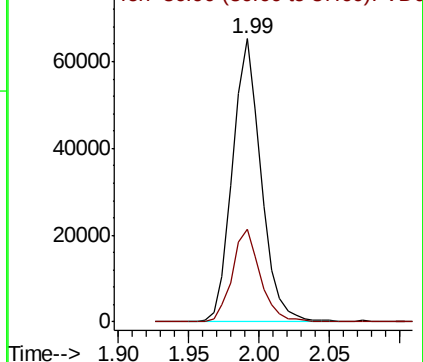
85 100

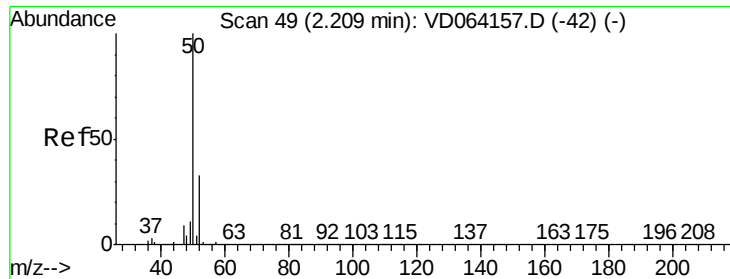
87 32.7 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.491 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064282.D

Acq: 19 Nov 2019 11:35

Instrument :

MSVOA_D

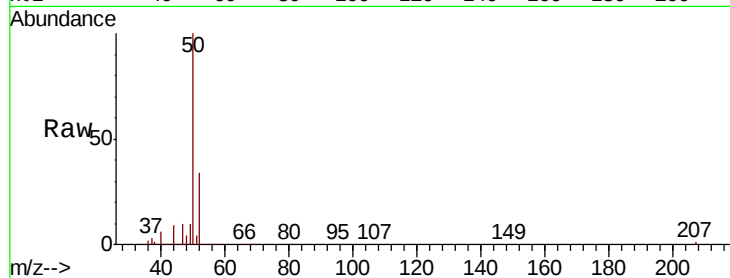
ClientSampleId :

Tot Ion: 50 Resp: 109040

Ion Ratio Lower Upper

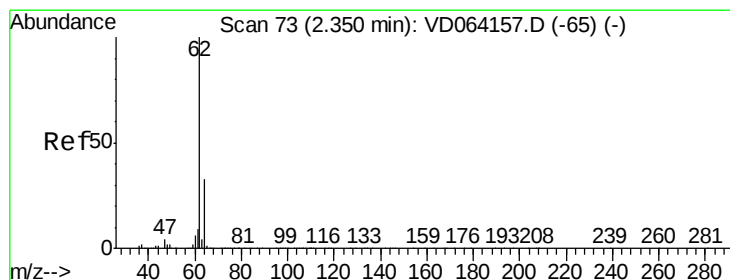
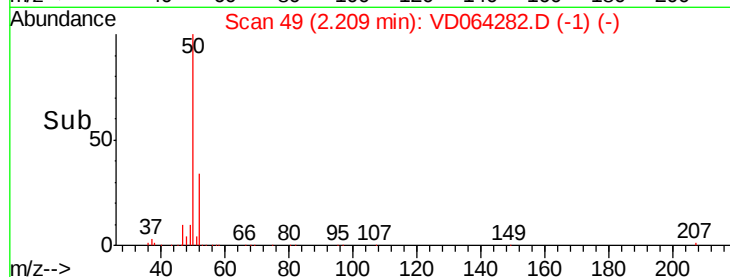
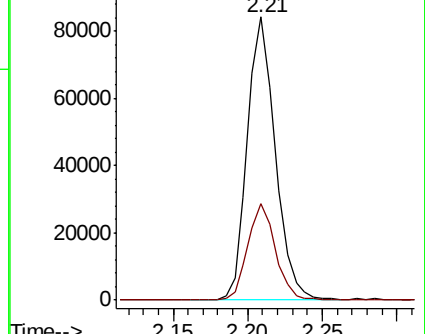
50 100

52 34.2 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 22.910 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064282.D

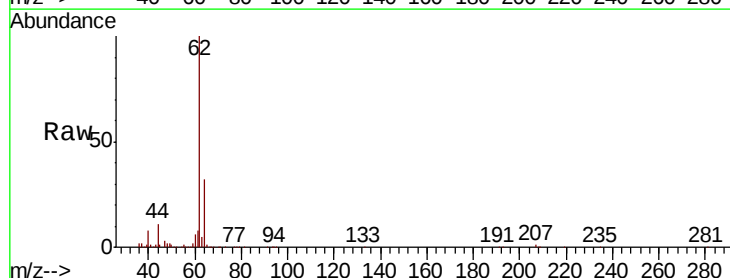
Acq: 19 Nov 2019 11:35

Tgt Ion: 62 Resp: 130367

Ion Ratio Lower Upper

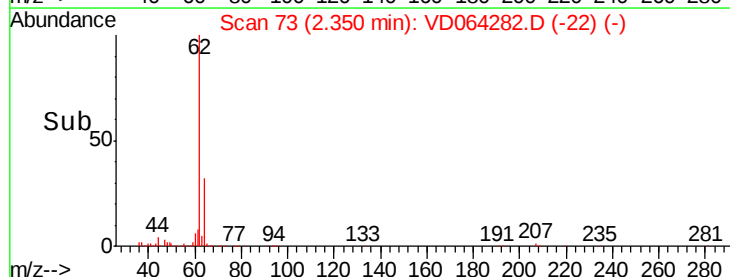
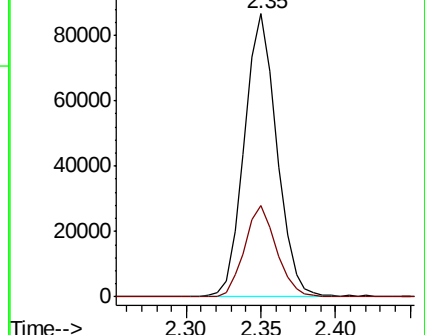
62 100

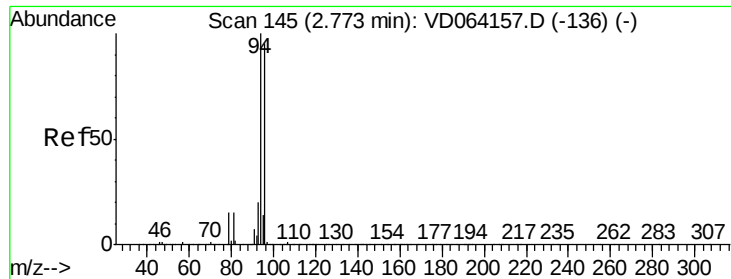
64 32.3 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 25.433 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064282.D

Acq: 19 Nov 2019 11:35

Instrument :

MSVOA_D

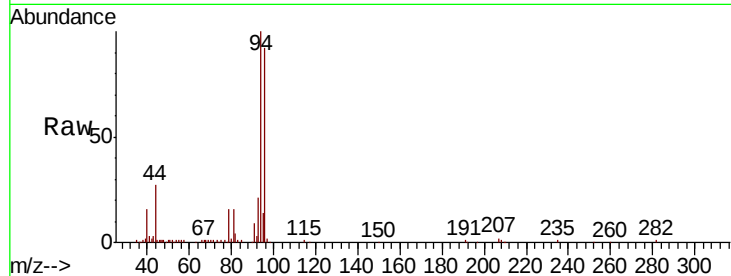
ClientSampleId :

Tot Ion: 94 Resp: 91388

Ion Ratio Lower Upper

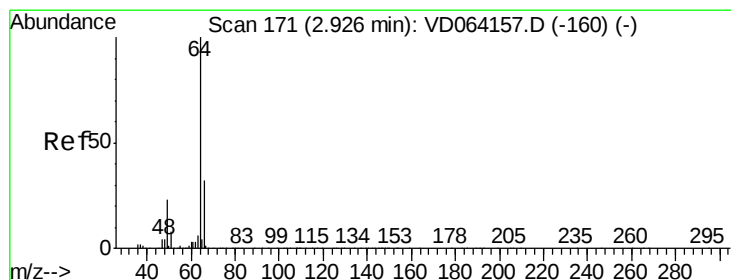
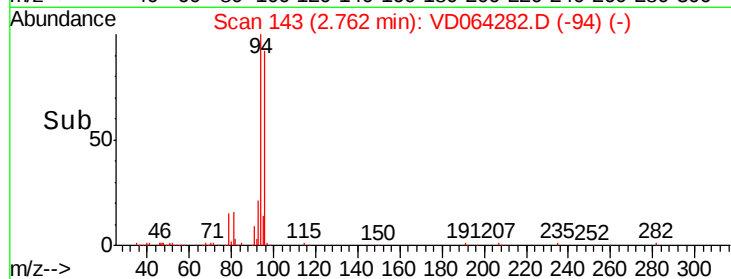
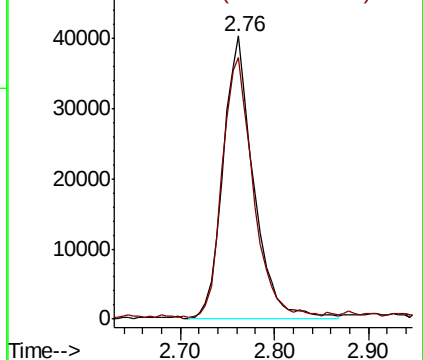
94 100

96 91.6 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 23.828 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064282.D

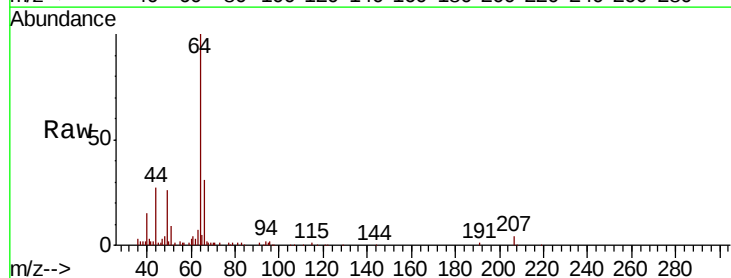
Acq: 19 Nov 2019 11:35

Tgt Ion: 64 Resp: 86641

Ion Ratio Lower Upper

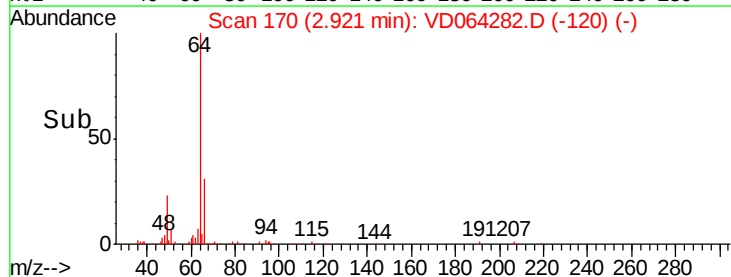
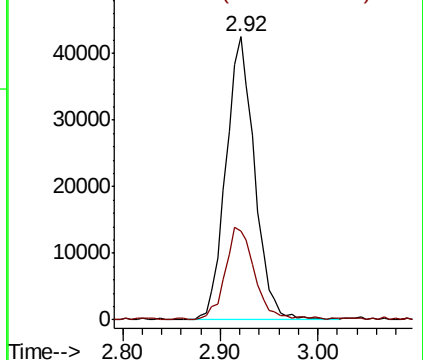
64 100

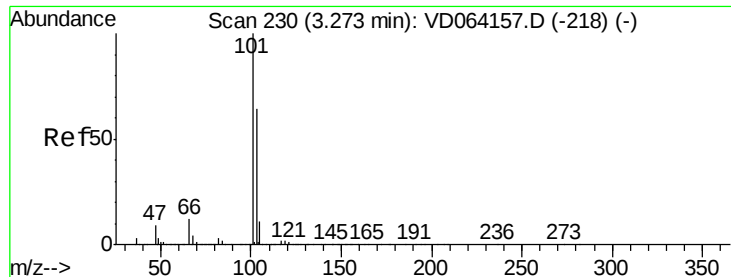
66 31.3 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



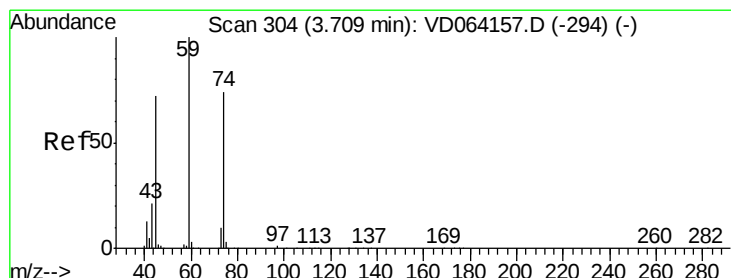
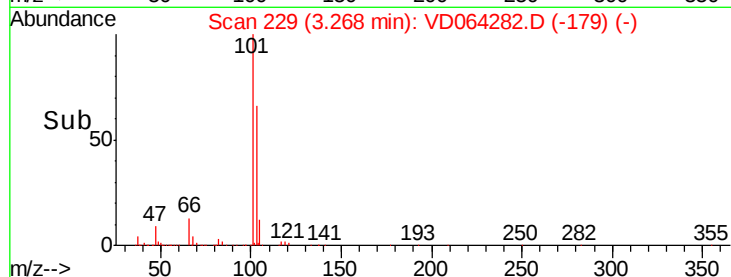
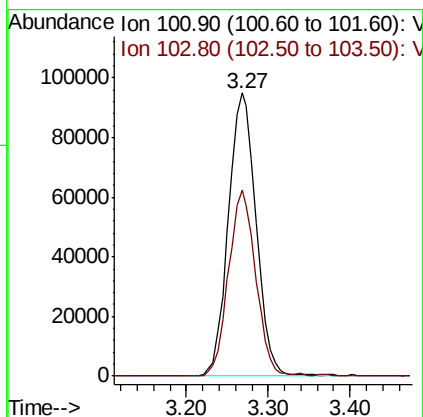
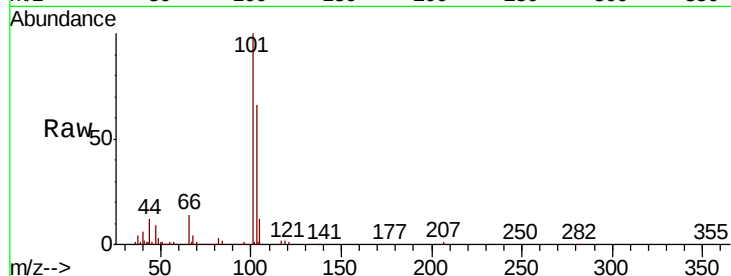


#7

Trichlorofluoromethane
Concen: 24.281 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

Instrument :
MSVOA_D
ClientSampled :

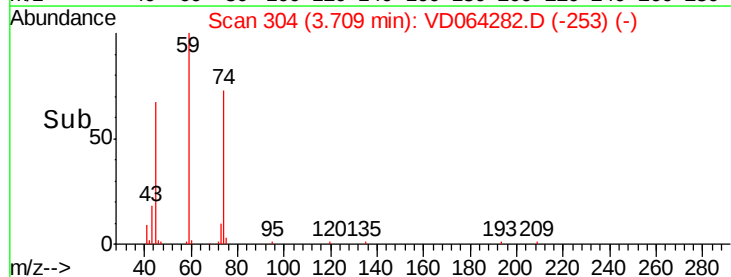
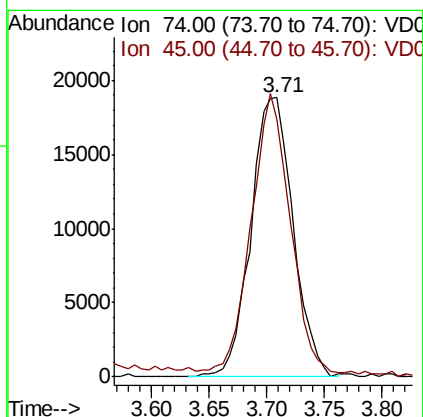
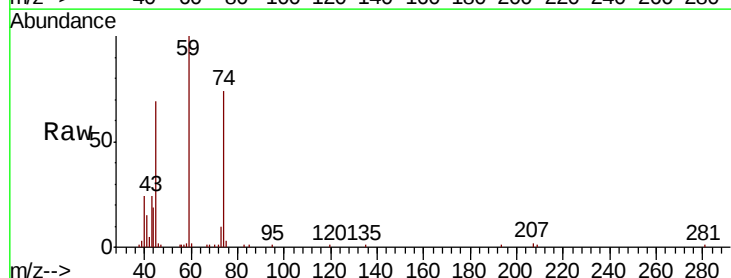
Tot Ion:101 Resp: 224017
Ion Ratio Lower Upper
101 100
103 65.4 50.8 76.2

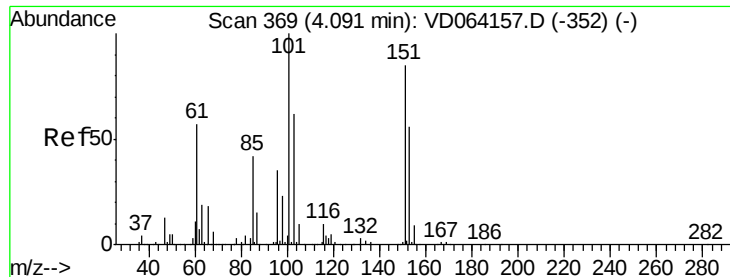


#8

Diethyl Ether
Concen: 18.892 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

Tgt Ion: 74 Resp: 47925
Ion Ratio Lower Upper
74 100
45 91.4 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.648 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064282.D

Acq: 19 Nov 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

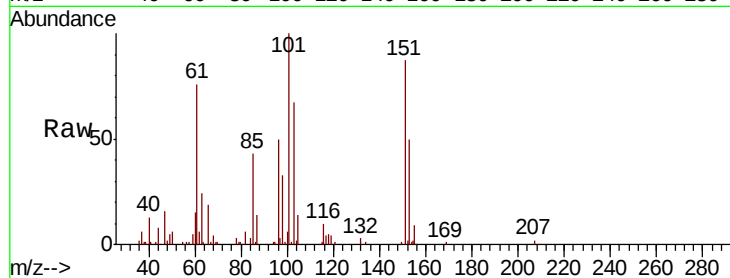
Tot Ion:101 Resp: 103607

Ion Ratio Lower Upper

101 100

85 43.8 34.4 51.6

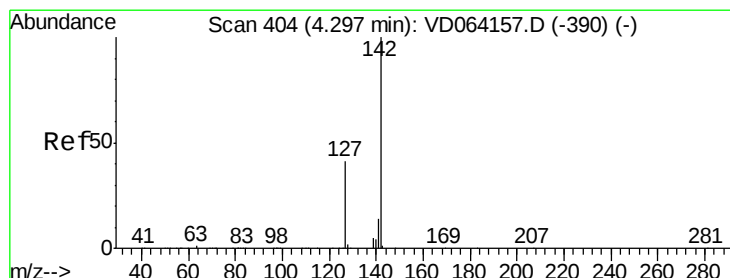
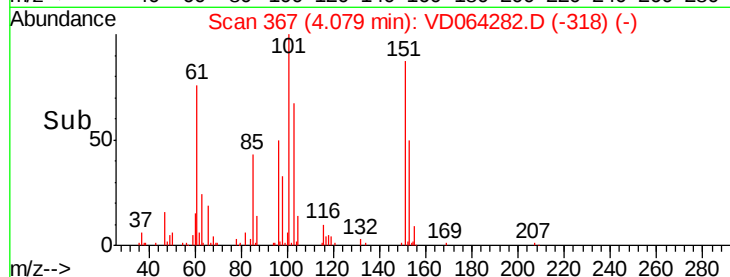
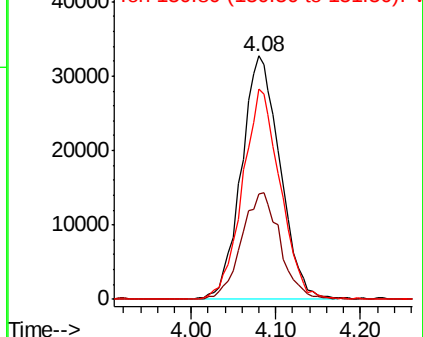
151 84.6 68.1 102.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VD

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.383 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD064282.D

Acq: 19 Nov 2019 11:35

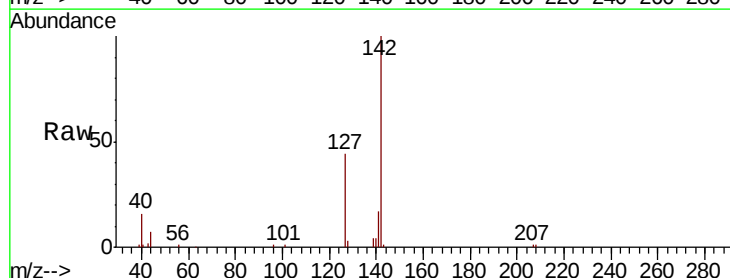
Tgt Ion:142 Resp: 96319

Ion Ratio Lower Upper

142 100

127 44.0 34.4 51.6

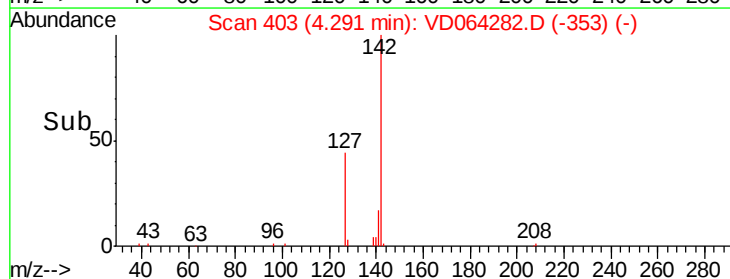
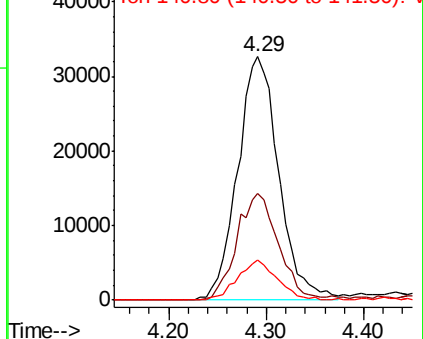
141 16.0 11.2 16.8



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



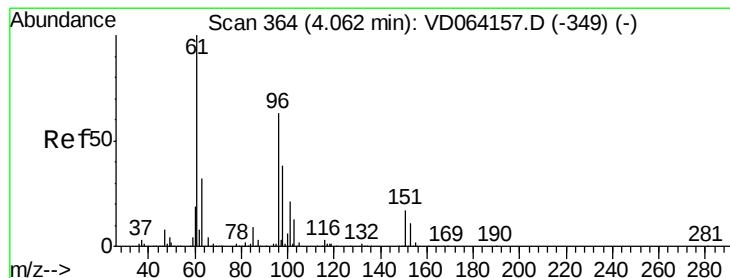
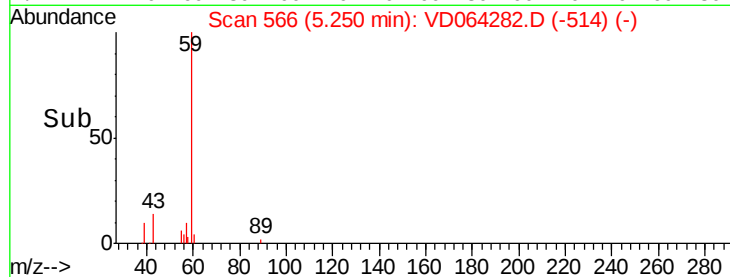
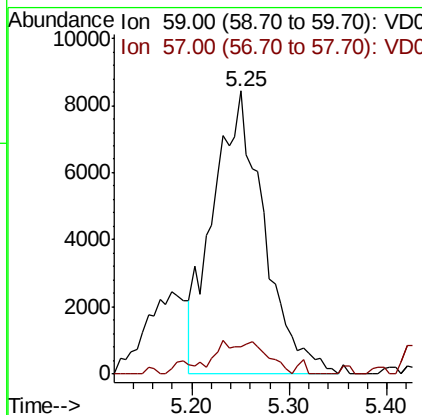
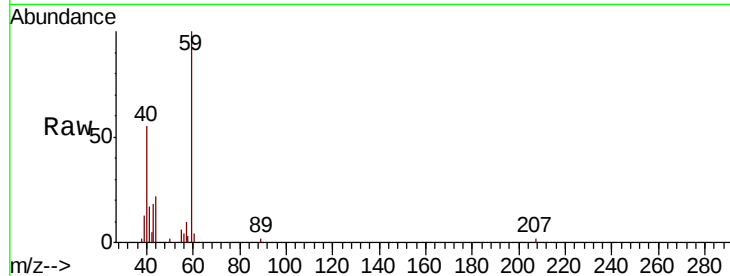


#11

Tert butyl alcohol
 Concen: 88.944 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VD064282.D
 Acq: 19 Nov 2019 11:35

Instrument :
 MSVOA_D
 ClientSampleID :

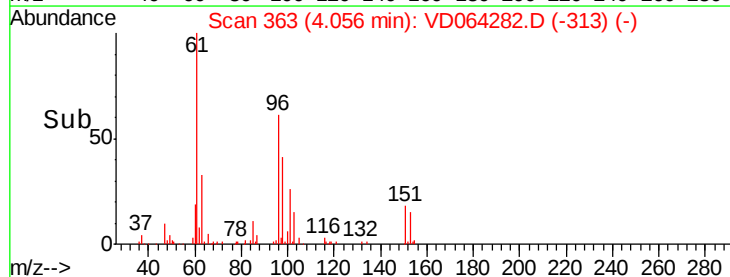
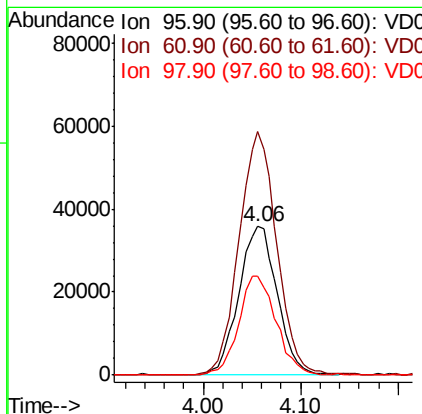
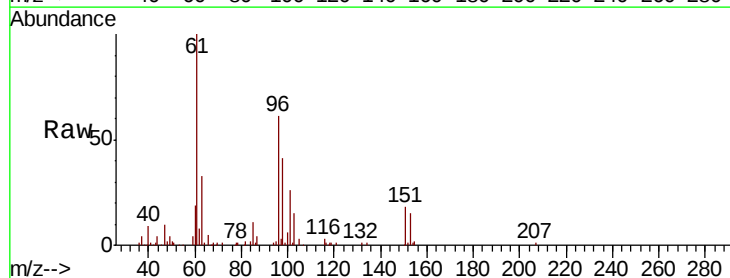
Tot Ion: 59 Resp: 30562
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.4 14.2#

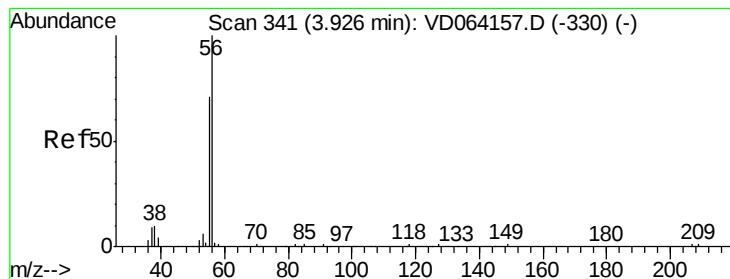


#12

1,1-Dichloroethene
 Concen: 19.663 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD064282.D
 Acq: 19 Nov 2019 11:35

Tgt Ion: 96 Resp: 98832
 Ion Ratio Lower Upper
 96 100
 61 163.7 127.4 191.2
 98 66.3 48.1 72.1





#13

Acrolein

Concen: 69.794 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064282.D

Acq: 19 Nov 2019 11:35

Instrument :

MSVOA_D

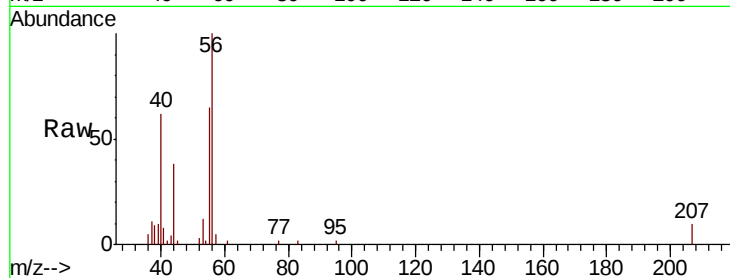
ClientSampleId :

Tot Ion: 56 Resp: 20288

Ion Ratio Lower Upper

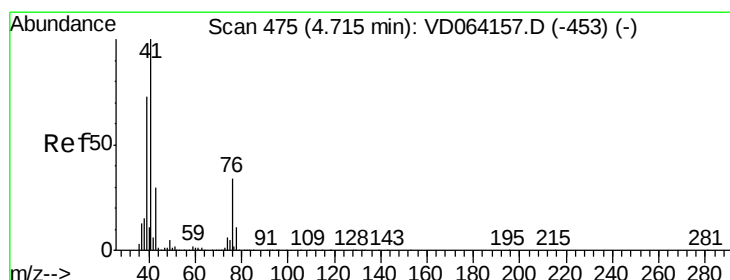
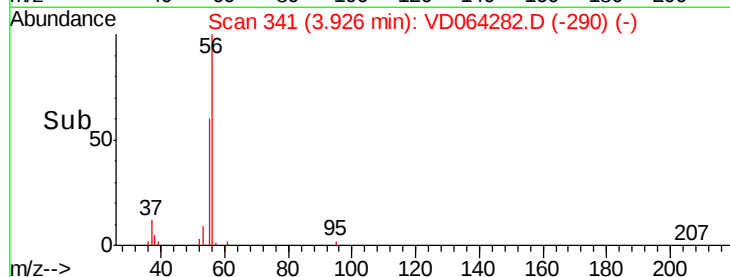
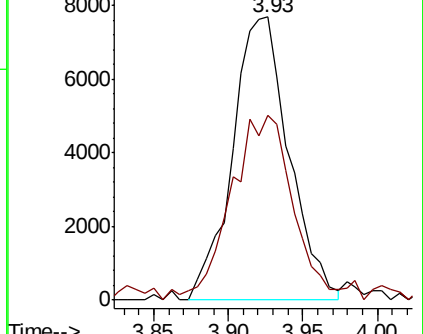
56 100

55 70.9 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 17.964 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064282.D

Acq: 19 Nov 2019 11:35

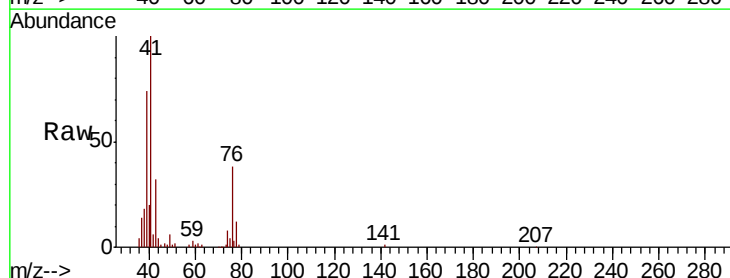
Tgt Ion: 41 Resp: 159642

Ion Ratio Lower Upper

41 100

39 75.1 57.5 86.3

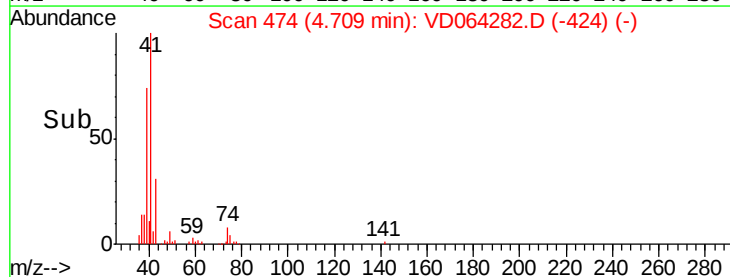
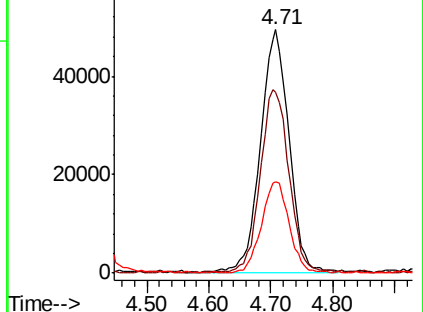
76 36.3 26.8 40.2



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





#15

Acrylonitrile

Concen: 96.157 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064282.D

Acq: 19 Nov 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

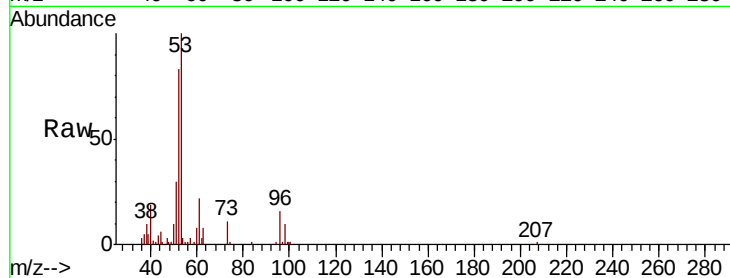
Tot Ion: 53 Resp: 103989

Ion Ratio Lower Upper

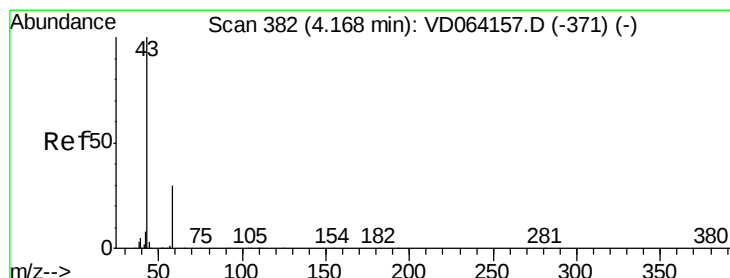
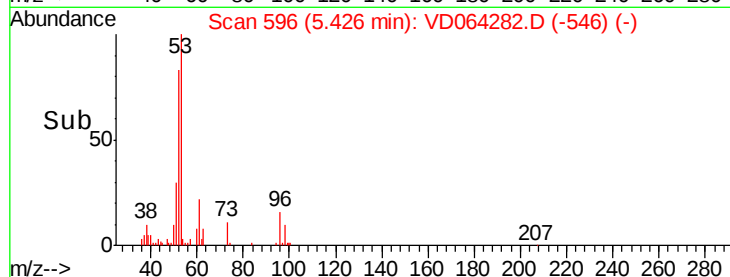
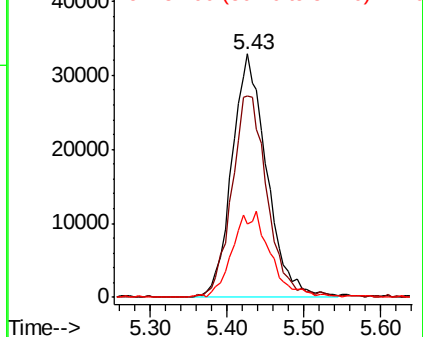
53 100

52 83.4 66.7 100.1

51 38.1 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: 73.851 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064282.D

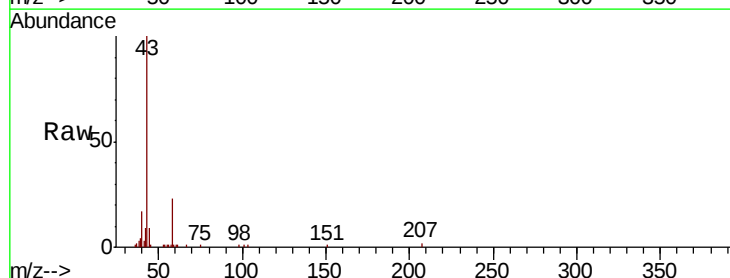
Acq: 19 Nov 2019 11:35

Tgt Ion: 43 Resp: 86070

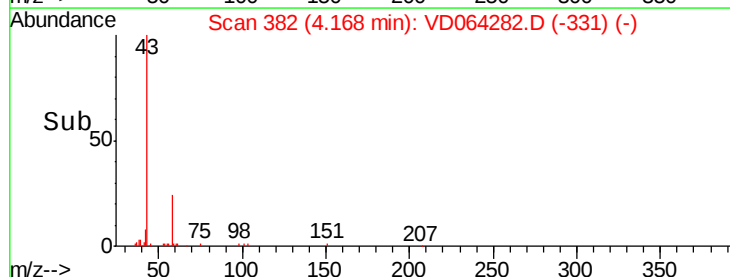
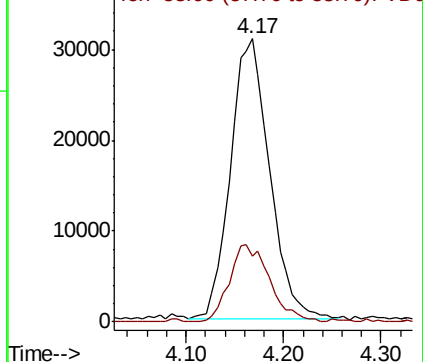
Ion Ratio Lower Upper

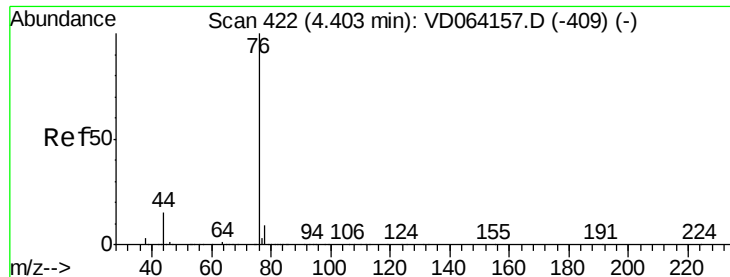
43 100

58 23.5 24.1 36.1#



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

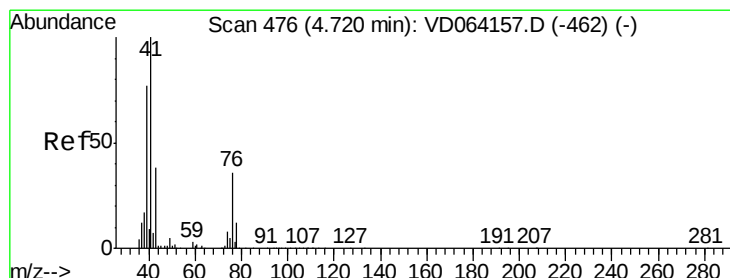
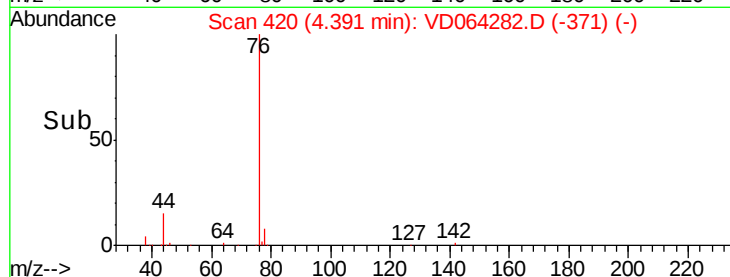
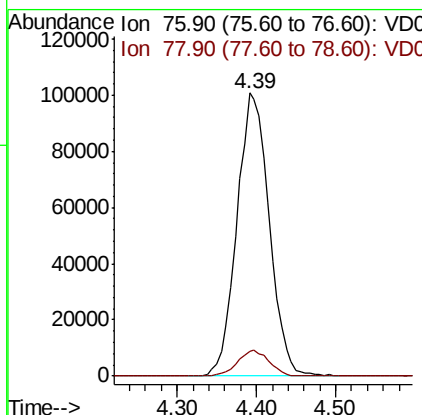
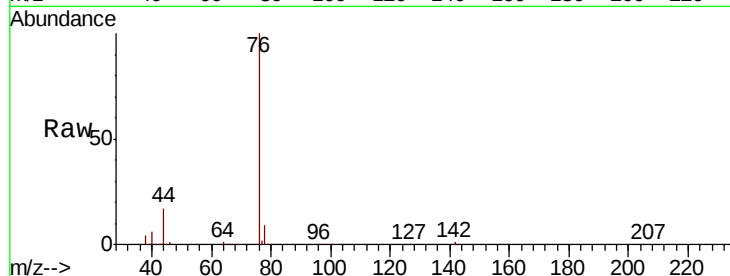




#17
Carbon Disulfide
Concen: 18.240 ug/l
RT: 4.39 min Scan# 420
Delta R.T. -0.01 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

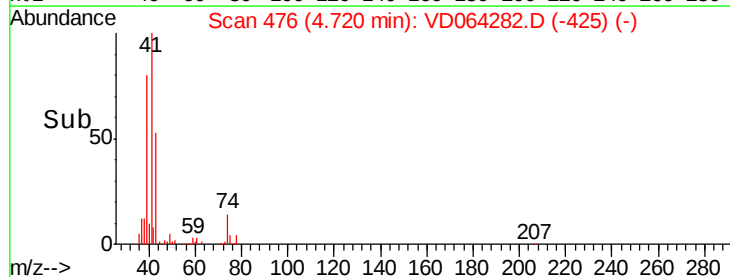
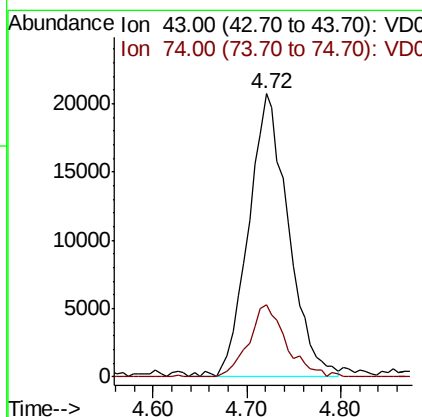
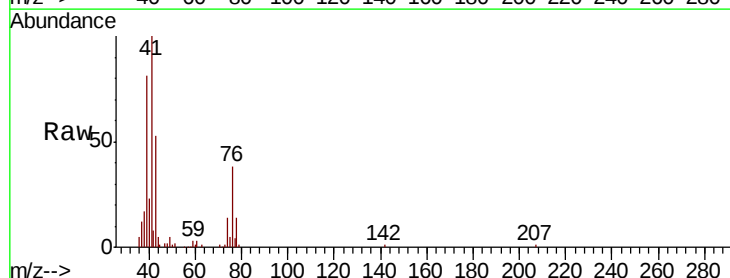
Instrument :
MSVOA_D
ClientSampleId :

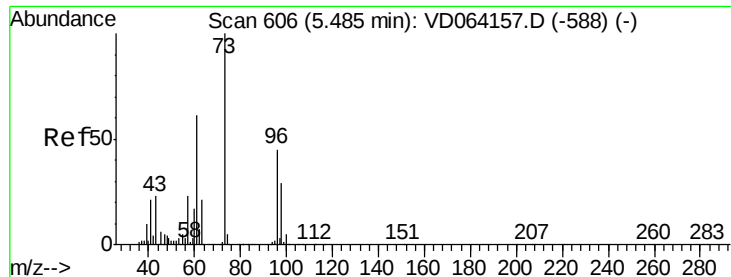
Tot Ion: 76 Resp: 285511
Ion Ratio Lower Upper
76 100
78 8.8 7.2 10.8



#18
Methyl Acetate
Concen: 18.707 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

Tgt Ion: 43 Resp: 60892
Ion Ratio Lower Upper
43 100
74 23.6 18.4 27.6

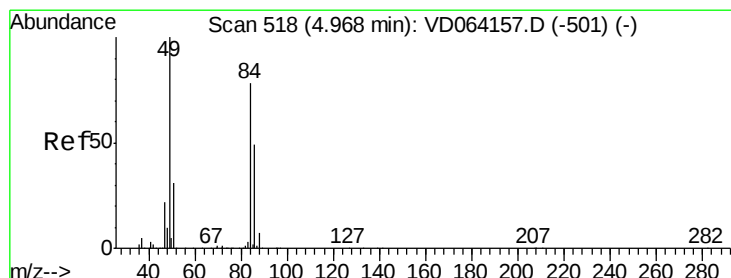
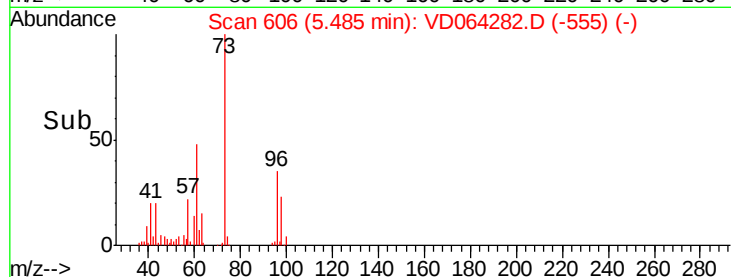
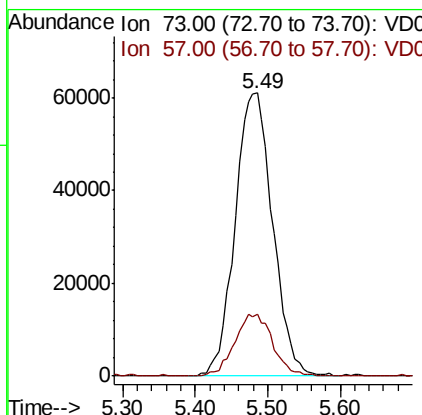
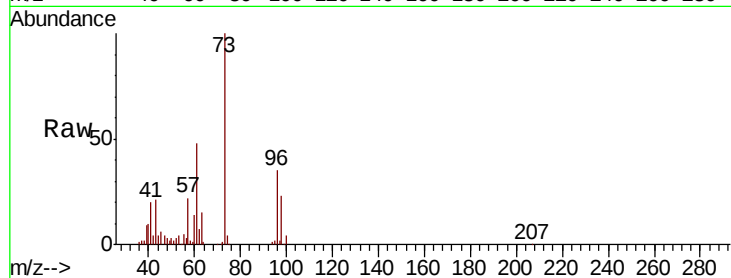




#19
Methvl tert-butvl Ether
Concen: 18.298 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

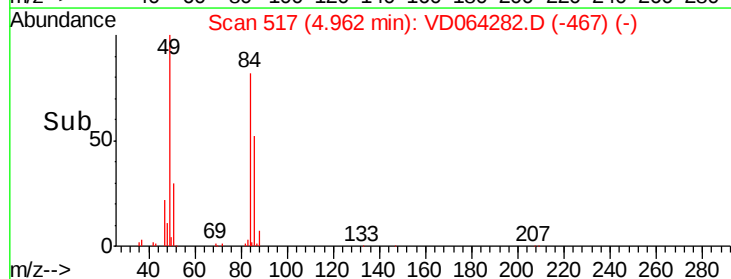
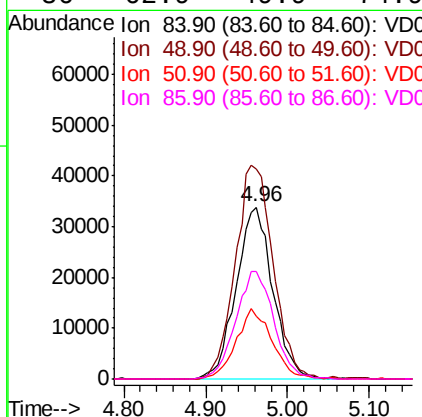
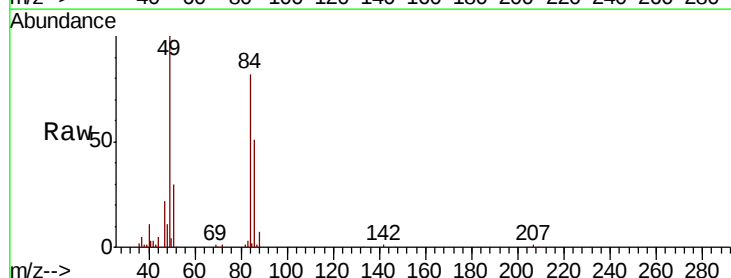
Instrument :
MSVOA_D
ClientSampleId :

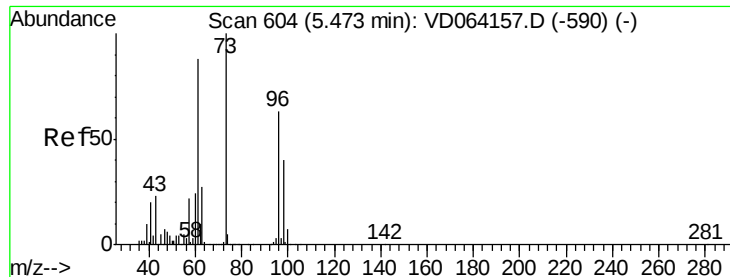
Tot Ion: 73 Resp: 219562
Ion Ratio Lower Upper
73 100
57 21.8 18.4 27.6



#20
Methylene Chloride
Concen: 17.937 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

Tgt Ion: 84 Resp: 105598
Ion Ratio Lower Upper
84 100
49 122.6 102.1 153.1
51 36.9 32.2 48.2
86 62.9 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 19.471 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064282.D

Acq: 19 Nov 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

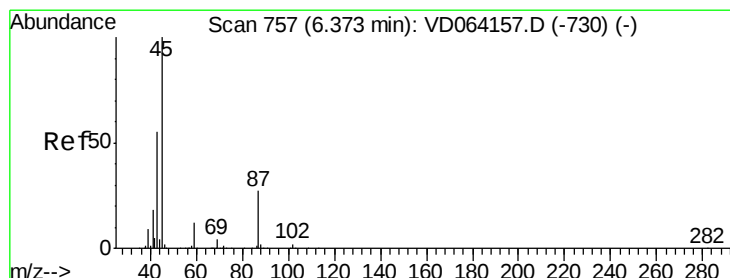
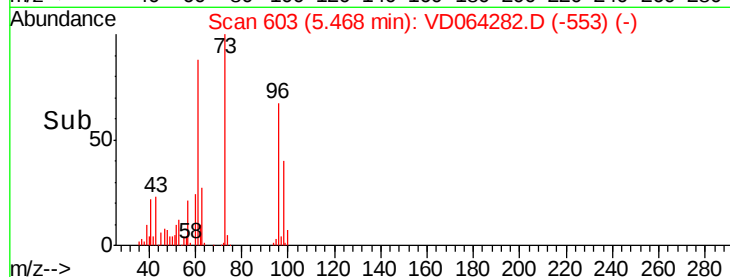
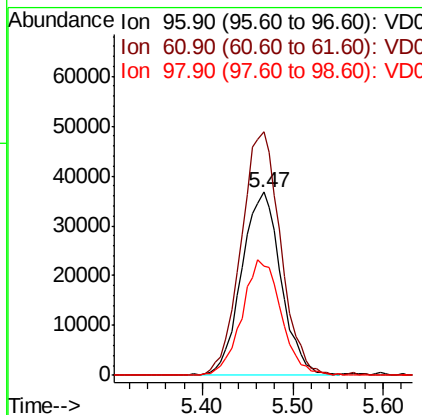
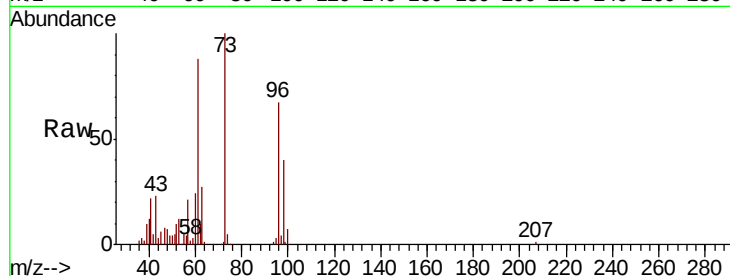
Tot Ion: 96 Resp: 110882

Ion Ratio Lower Upper

96 100

61 132.8 111.8 167.6

98 59.8 50.3 75.5



#22

Diisopropyl ether

Concen: 18.211 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064282.D

Acq: 19 Nov 2019 11:35

Tgt Ion: 45 Resp: 300283

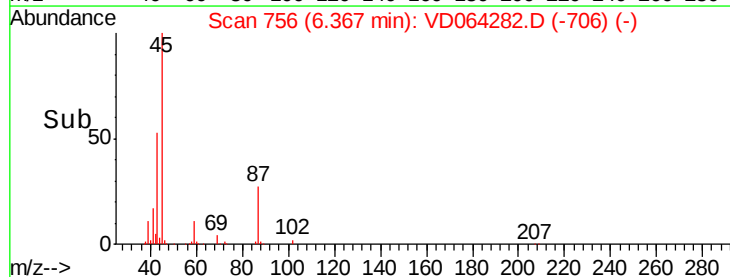
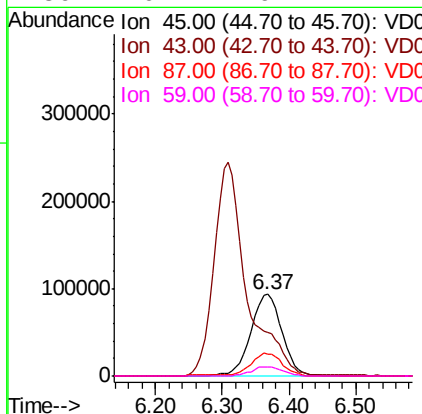
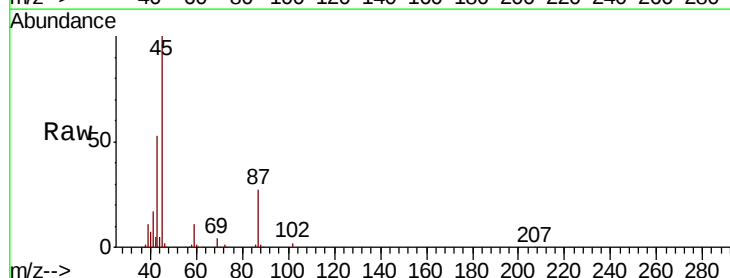
Ion Ratio Lower Upper

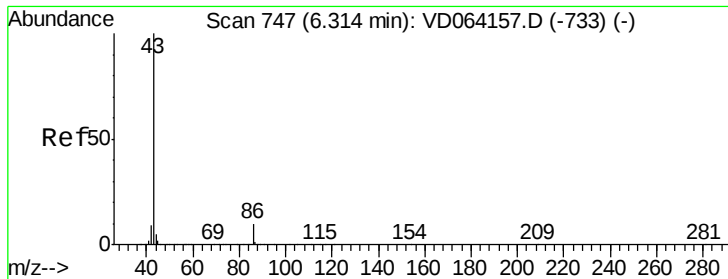
45 100

43 51.6 44.4 66.6

87 27.1 21.9 32.9

59 10.7 9.4 14.2

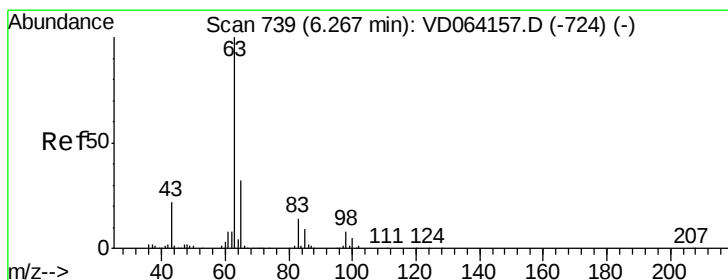
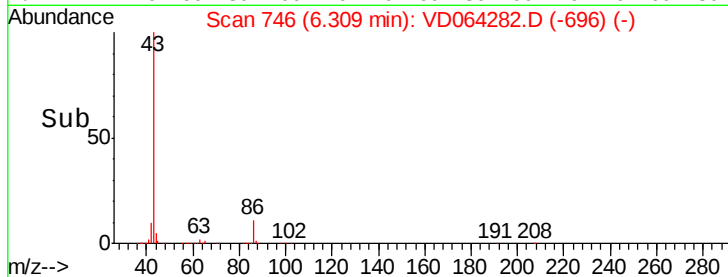
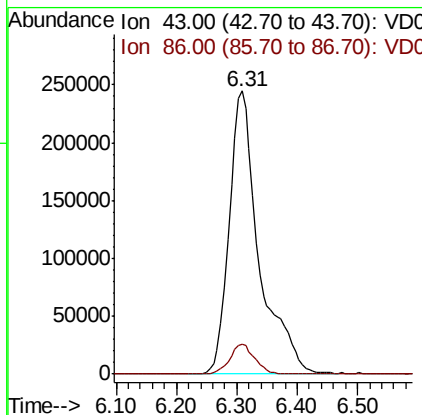
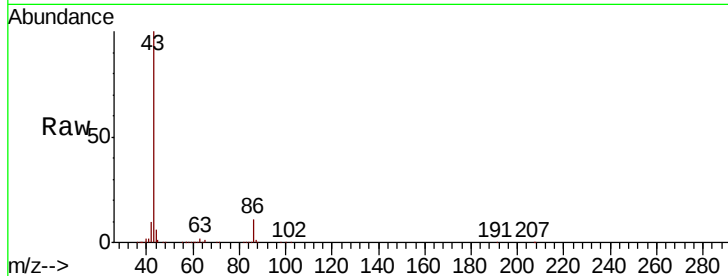




#23
 Vinyl Acetate
 Concen: 91.950 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. -0.01 min
 Lab File: VD064282.D
 Acq: 19 Nov 2019 11:35

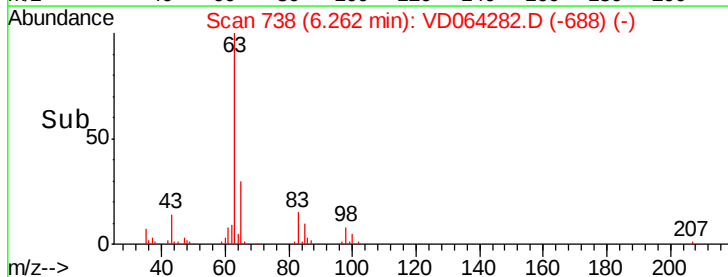
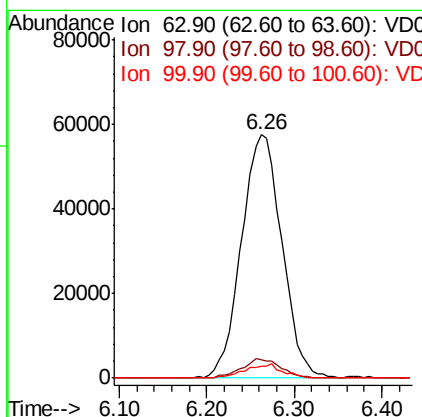
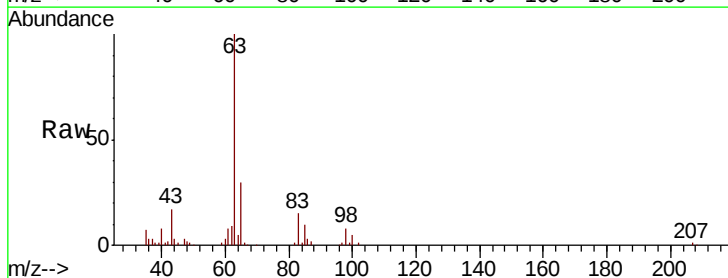
Instrument :
 MSVOA_D
 ClientSampled :

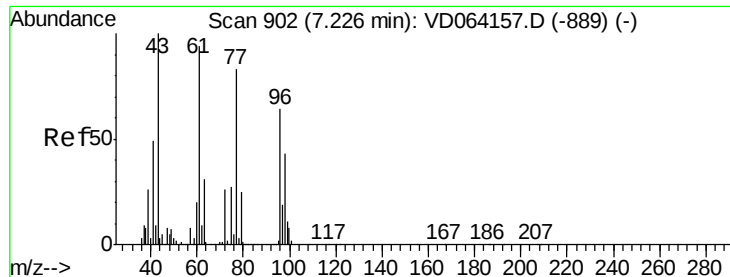
Tot Ion: 43 Resp: 845146
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.2 12.2



#24
 1,1-Dichloroethane
 Concen: 18.927 ug/l
 RT: 6.26 min Scan# 738
 Delta R.T. -0.01 min
 Lab File: VD064282.D
 Acq: 19 Nov 2019 11:35

Tgt Ion: 63 Resp: 181209
 Ion Ratio Lower Upper
 63 100
 98 7.7 3.8 11.4
 100 4.9 2.4 7.2





#25

2-Butanone

Concen: 85.406 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD064282.D

Acq: 19 Nov 2019 11:35

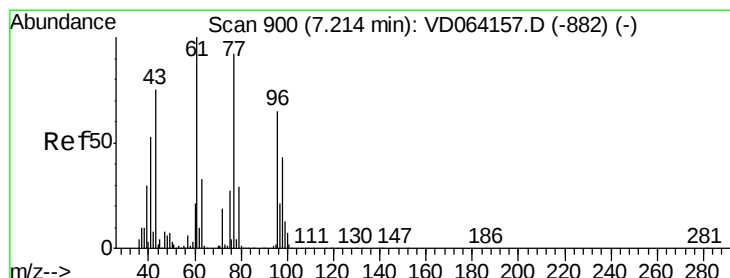
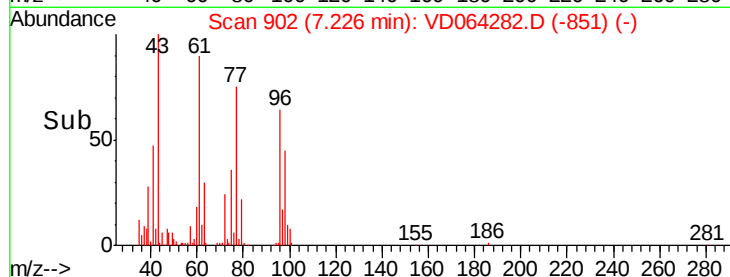
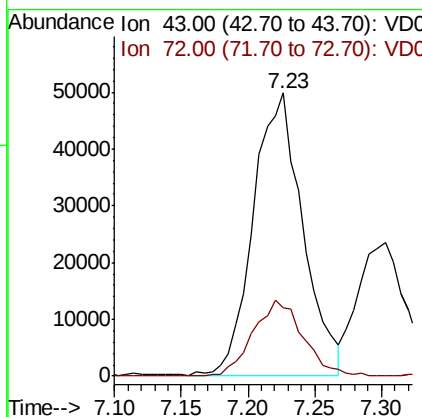
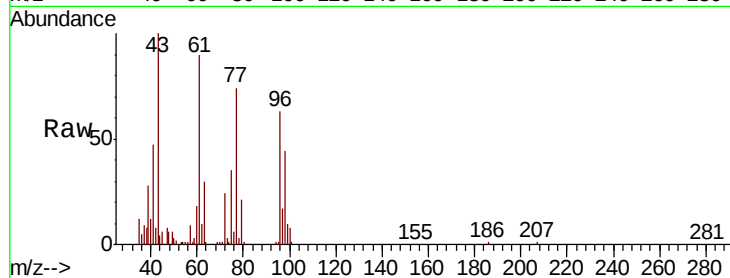
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 128595

Ion Ratio Lower Upper

43 100

72 24.1 20.6 30.8



#26

2,2-Dichloropropane

Concen: 18.668 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064282.D

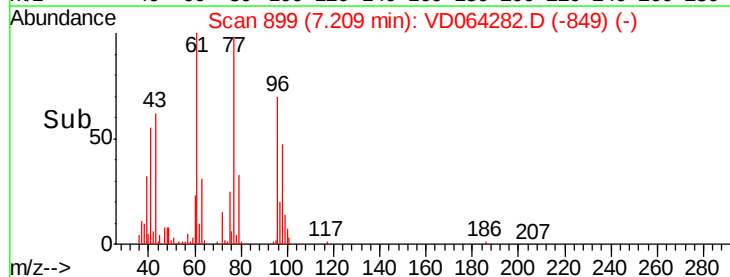
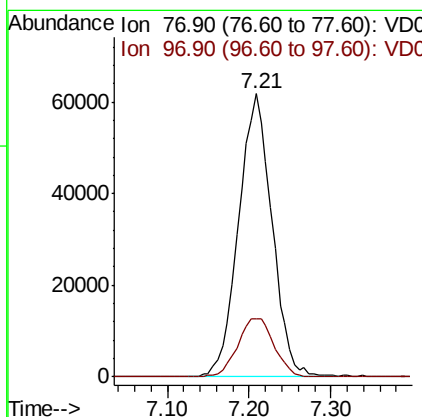
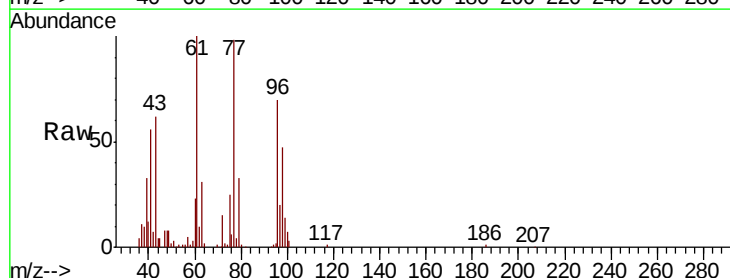
Acq: 19 Nov 2019 11:35

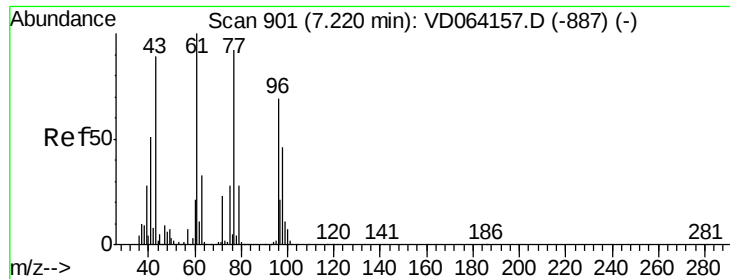
Tgt Ion: 77 Resp: 175270

Ion Ratio Lower Upper

77 100

97 22.6 11.1 33.3



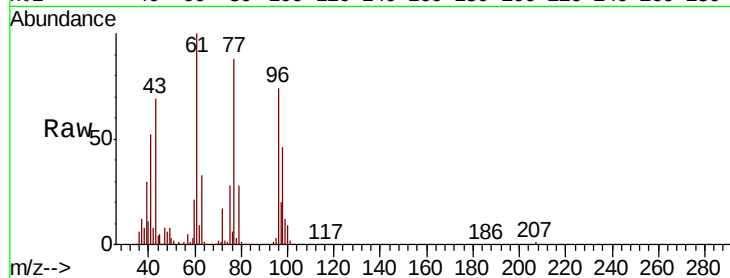


#27

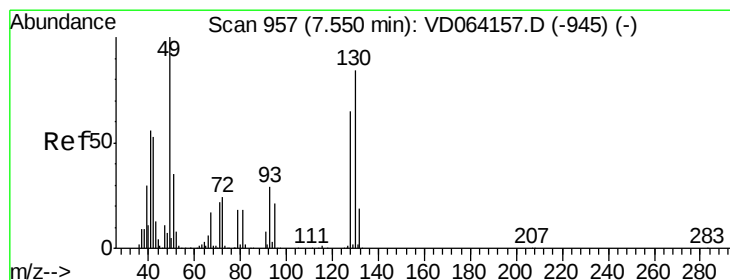
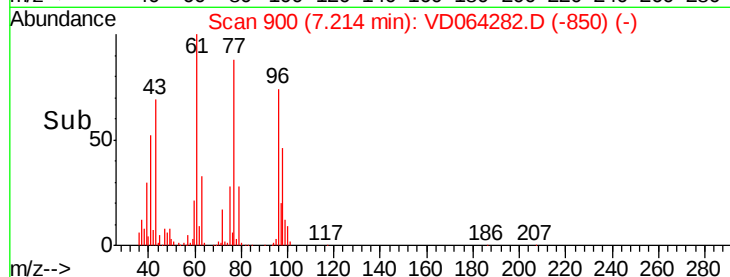
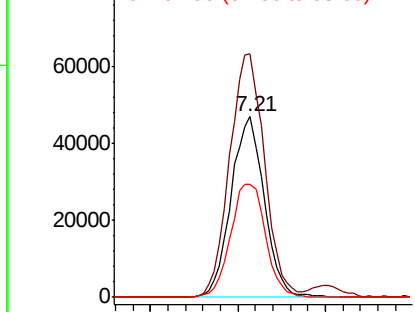
cis-1,2-Dichloroethene
Concen: 19.824 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.5	0.0	301.4
98	65.9	0.0	133.2



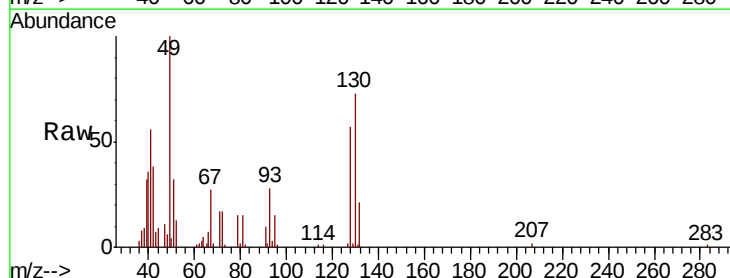
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



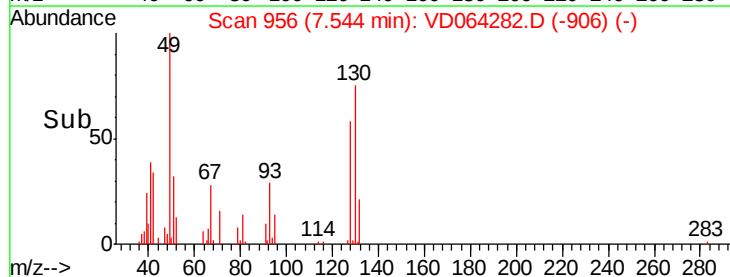
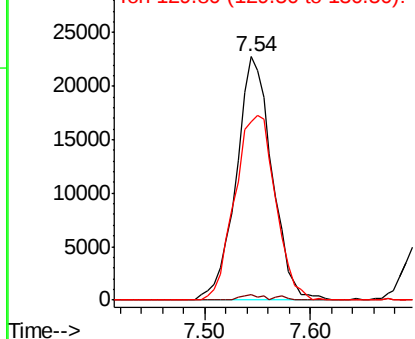
#28

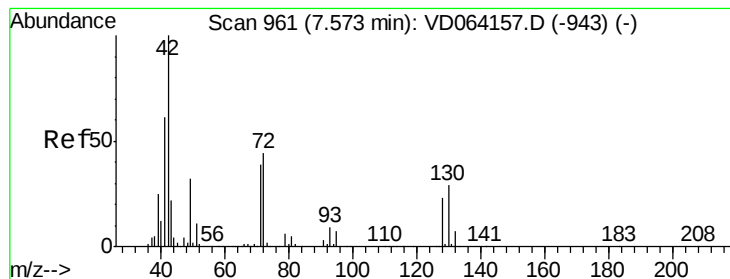
Bromochloromethane
Concen: 15.998 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	4.4
130	86.4	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: 91.873 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: VD064282.D

Acq: 19 Nov 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

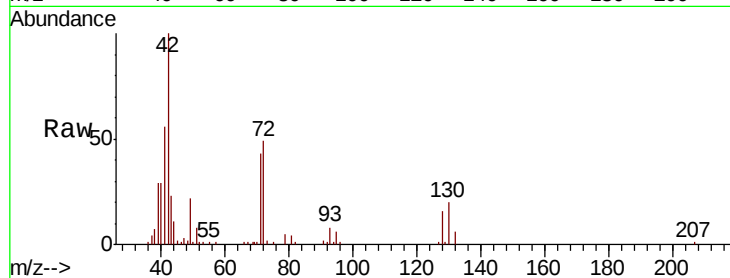
Tot Ion: 42 Resp: 83113

Ion Ratio Lower Upper

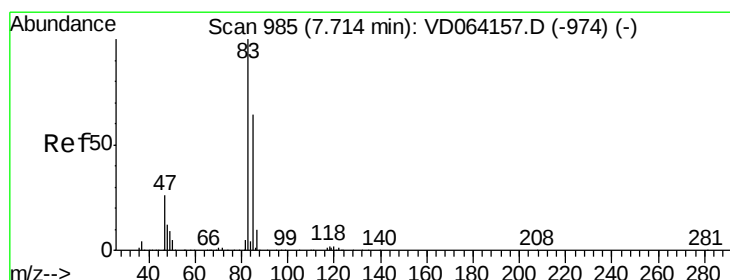
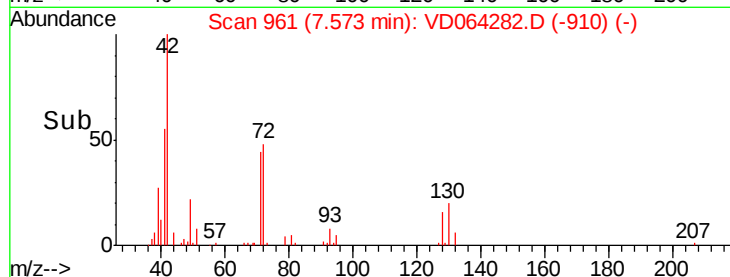
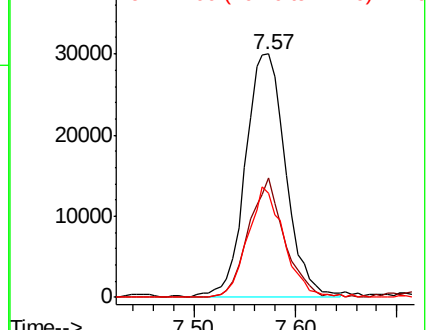
42 100

72 43.5 33.4 50.2

71 41.0 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: 20.876 ug/l

RT: 7.71 min Scan# 984

Delta R.T. -0.01 min

Lab File: VD064282.D

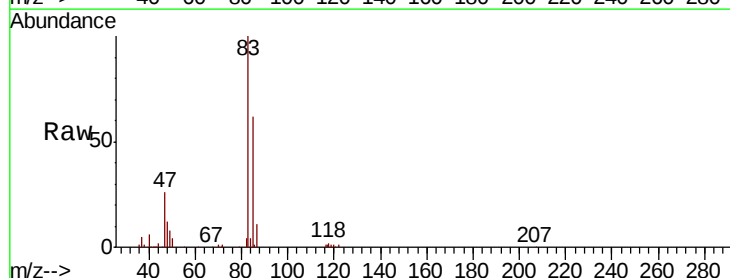
Acq: 19 Nov 2019 11:35

Tgt Ion: 83 Resp: 204445

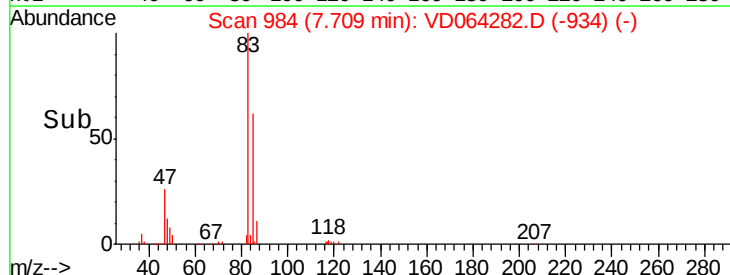
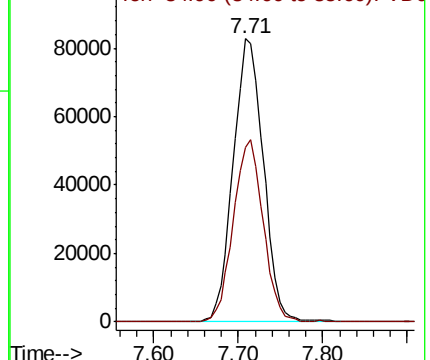
Ion Ratio Lower Upper

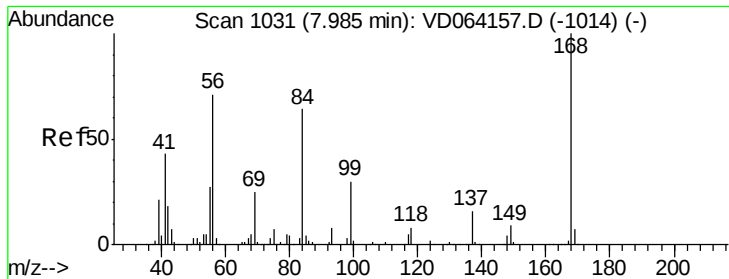
83 100

85 61.7 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: 18.443 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064282.D

Acq: 19 Nov 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :

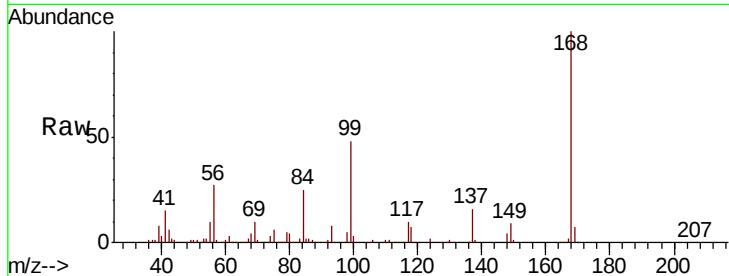
Tot Ion: 56 Resp: 178074

Ion Ratio Lower Upper

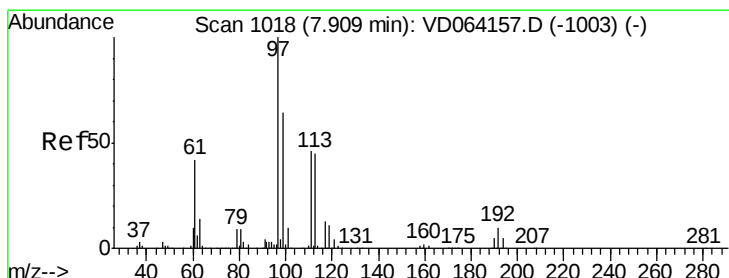
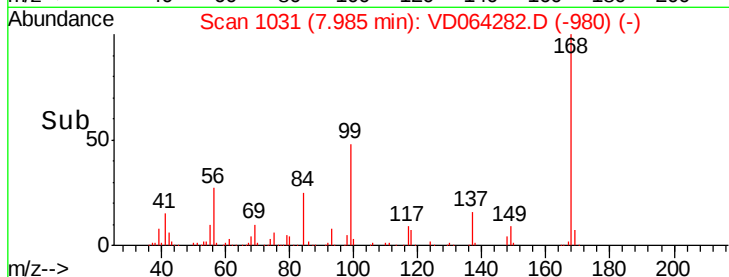
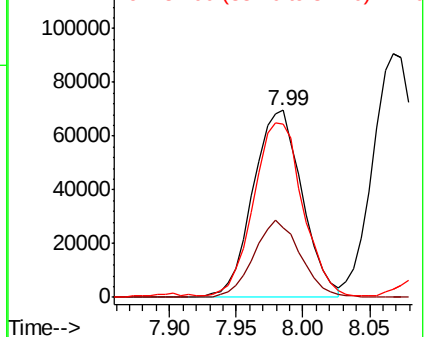
56 100

69 37.1 28.2 42.4

84 90.8 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: 19.514 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064282.D

Acq: 19 Nov 2019 11:35

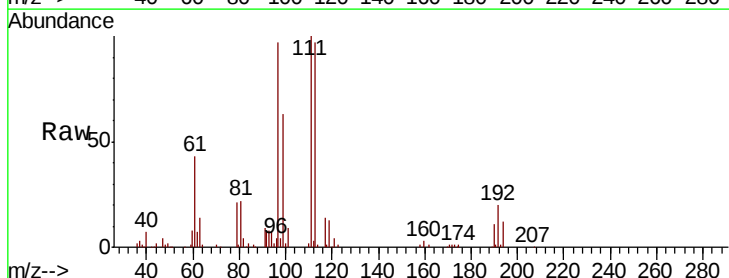
Tgt Ion: 97 Resp: 182985

Ion Ratio Lower Upper

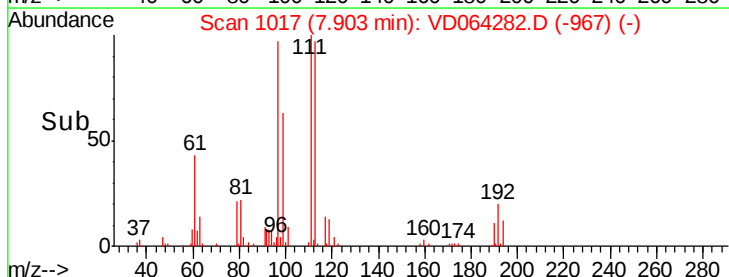
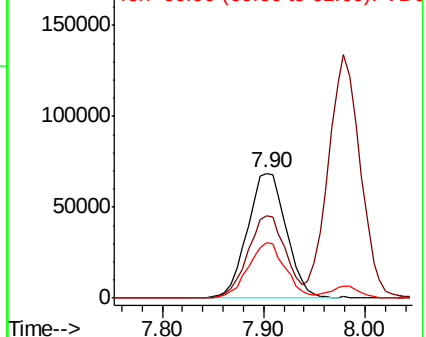
97 100

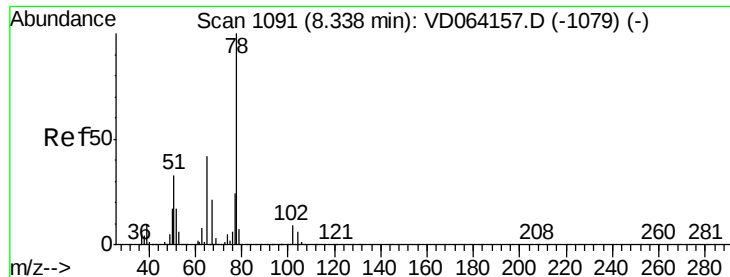
99 63.8 51.6 77.4

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

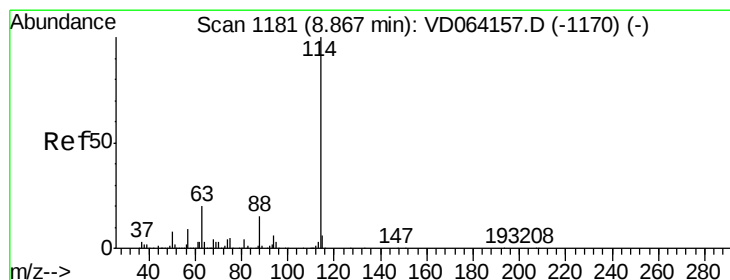
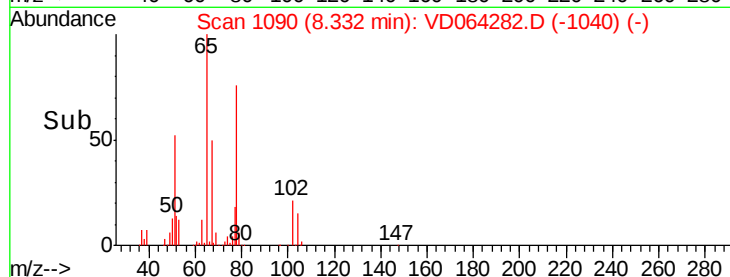
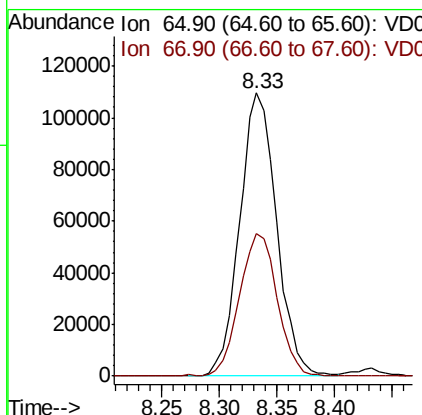
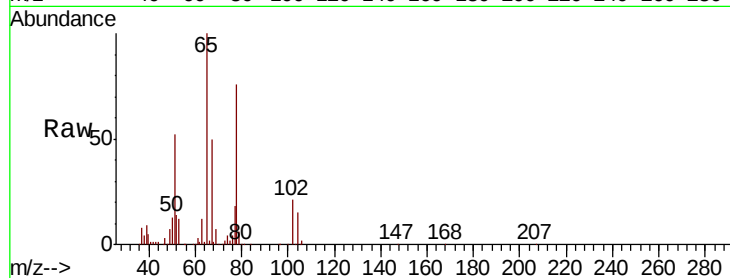




#33
 1,2-Dichloroethane-d4
 Concen: 49.576 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064282.D
 Acq: 19 Nov 2019 11:35

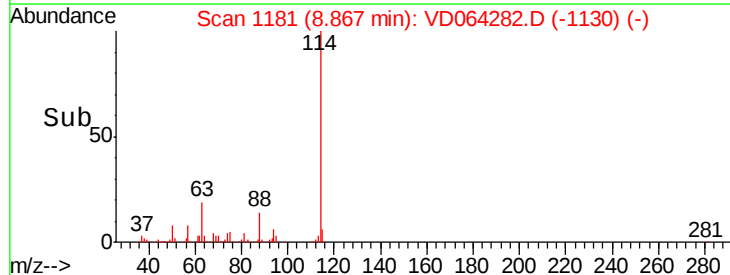
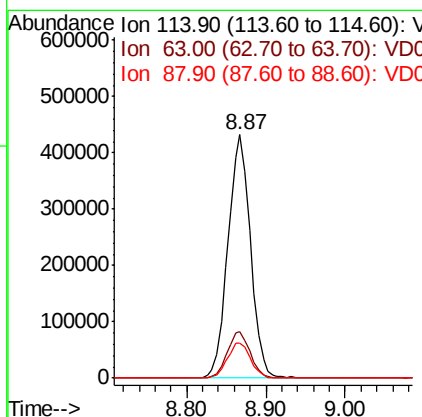
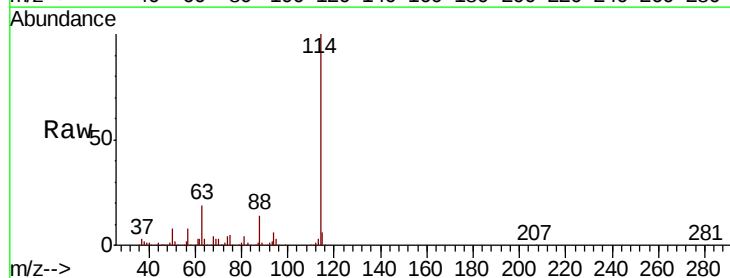
Instrument :
 MSVOA_D
 ClientSampleId :

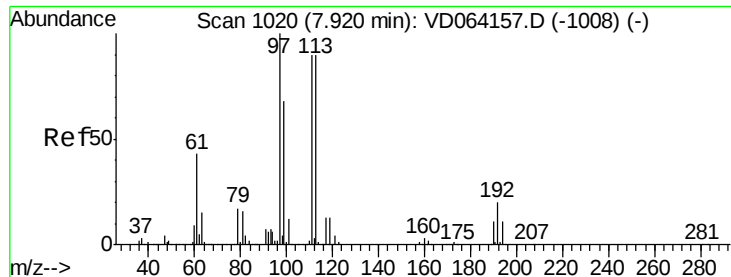
Tot Ion: 65 Resp: 243894
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064282.D
 Acq: 19 Nov 2019 11:35

Tgt Ion: 114 Resp: 847686
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 40.0
 88 14.2 0.0 30.2

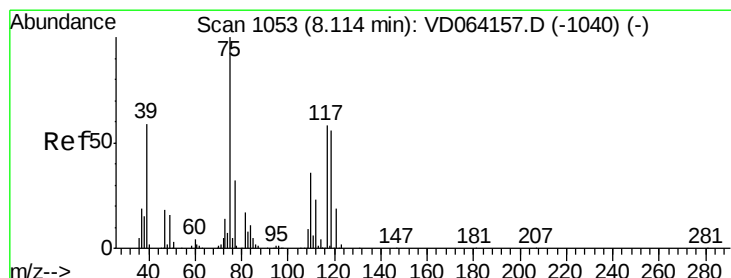
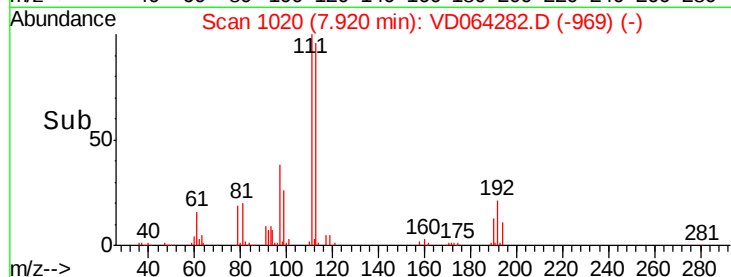
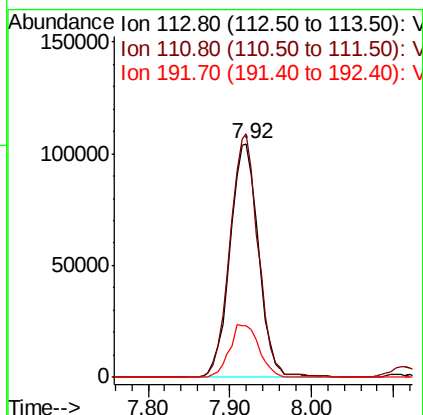
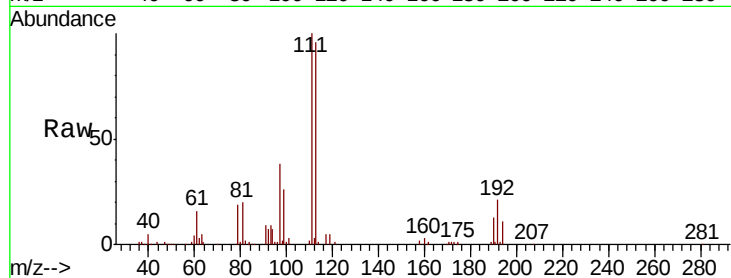




#35
 Dibromofluoromethane
 Concen: 52.097 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064282.D
 Acq: 19 Nov 2019 11:35

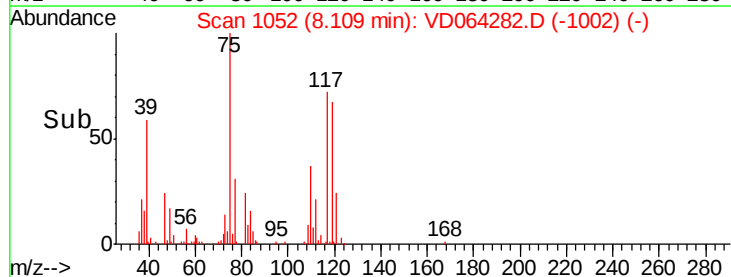
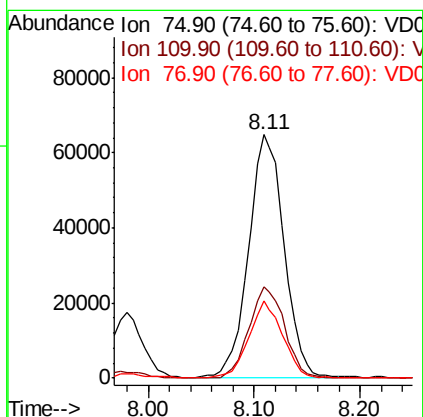
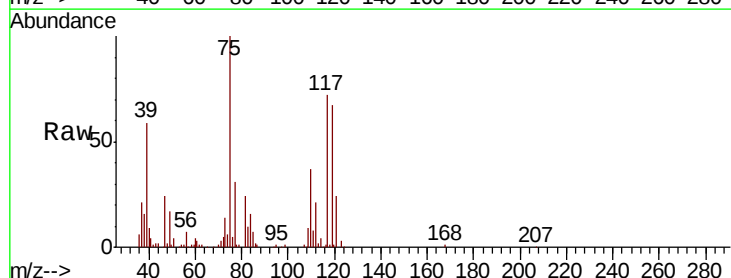
Instrument :
 MSVOA_D
 ClientSampleId :

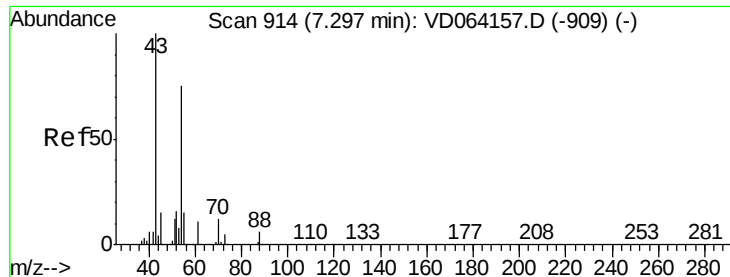
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.5	122.3
192	23.3	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 19.218 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064282.D
 Acq: 19 Nov 2019 11:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.7	18.3	54.9
77	30.3	25.0	37.6

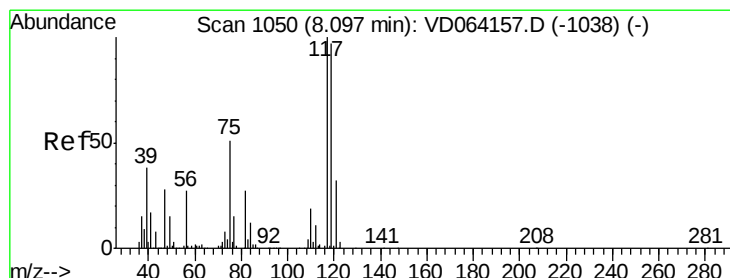
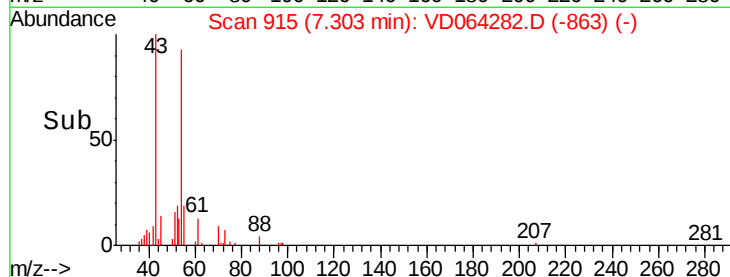
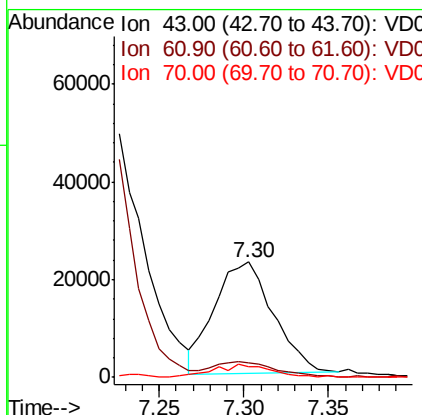
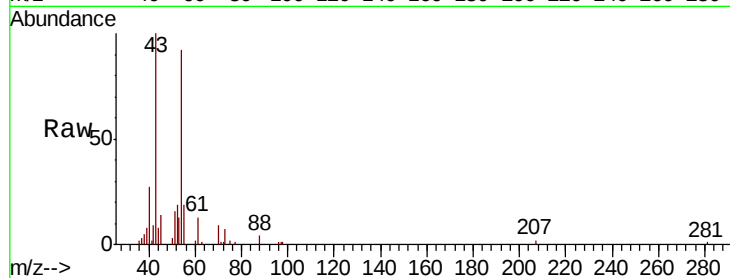




#37
Ethyl Acetate
Concen: 16.693 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

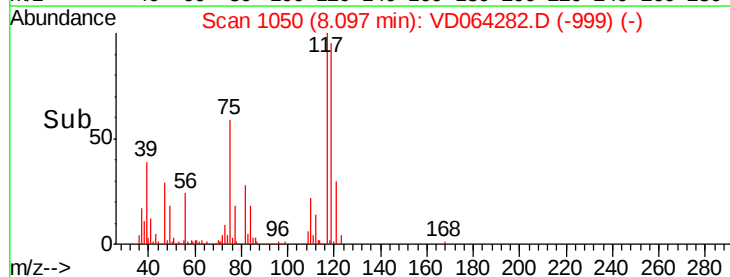
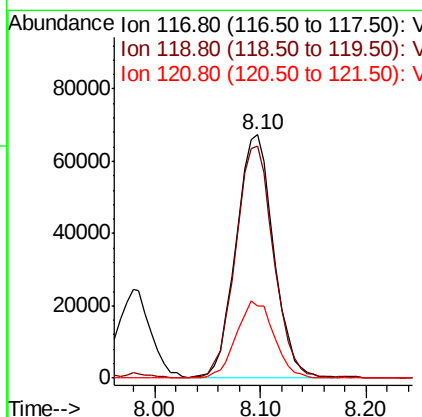
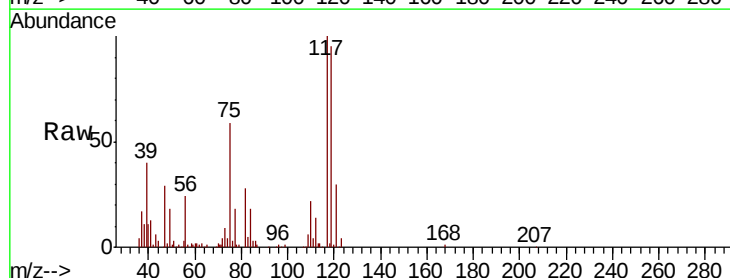
Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 43 Resp: 55056
Ion Ratio Lower Upper
43 100
61 14.9 10.2 15.2
70 11.6 8.5 12.7



#38
Carbon Tetrachloride
Concen: 19.656 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

Tgt Ion: 117 Resp: 164546
Ion Ratio Lower Upper
117 100
119 95.6 77.2 115.8
121 29.7 25.5 38.3

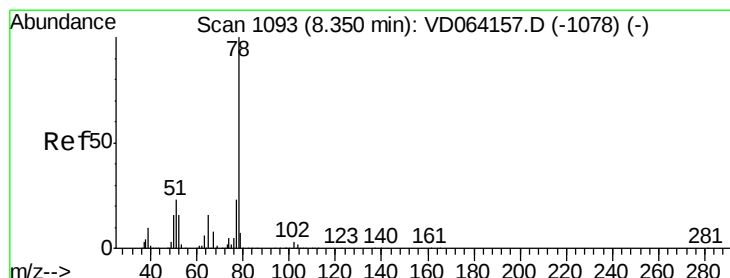
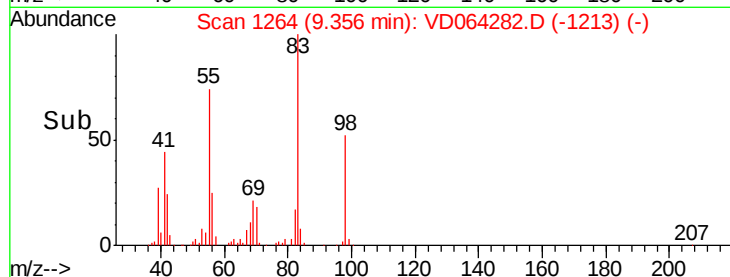
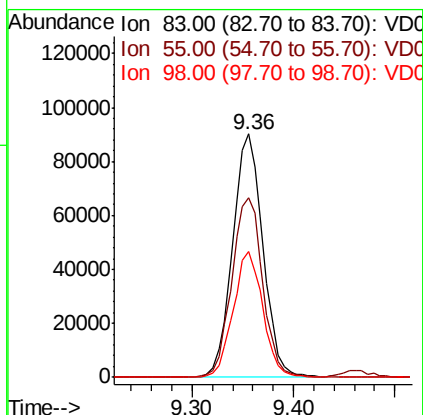
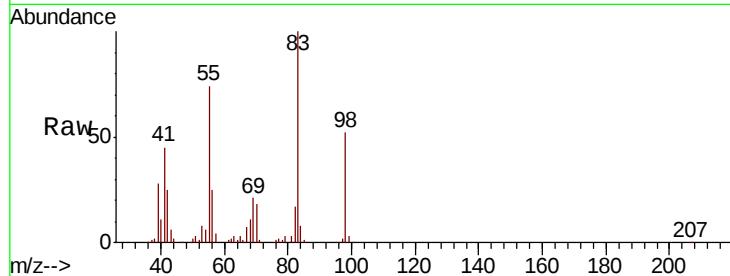




#39
Methvlcvclohexane
Concen: 18.857 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

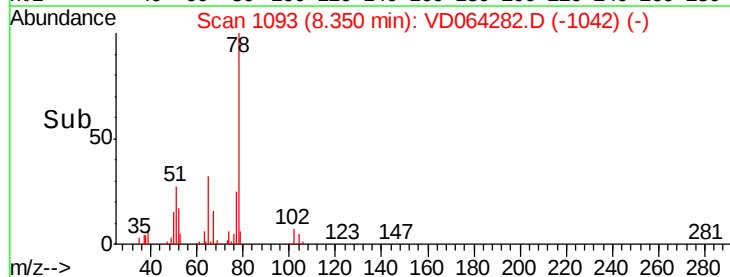
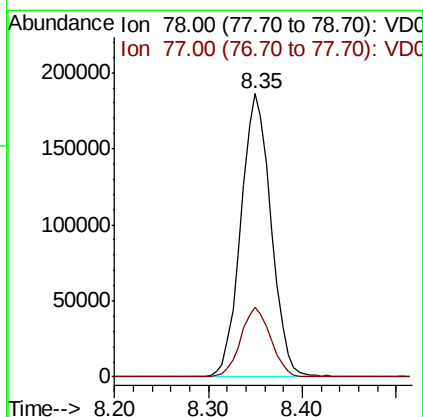
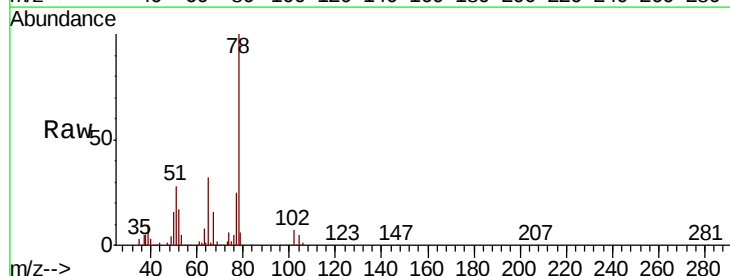
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 83 Resp: 186676
Ion Ratio Lower Upper
83 100
55 73.9 61.7 92.5
98 51.9 38.6 58.0



#40
Benzene
Concen: 19.405 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

Tgt Ion: 78 Resp: 414913
Ion Ratio Lower Upper
78 100
77 24.6 18.6 28.0

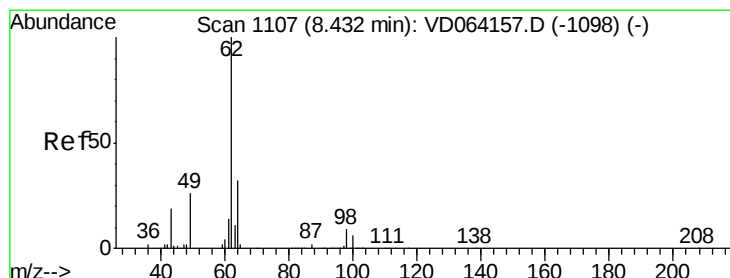
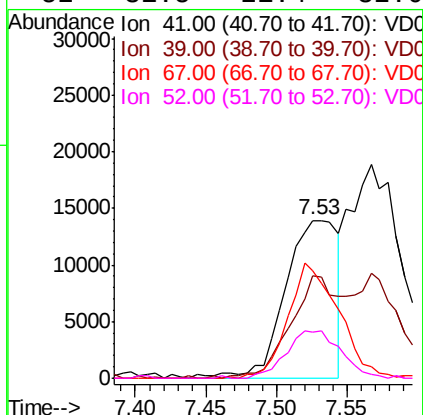
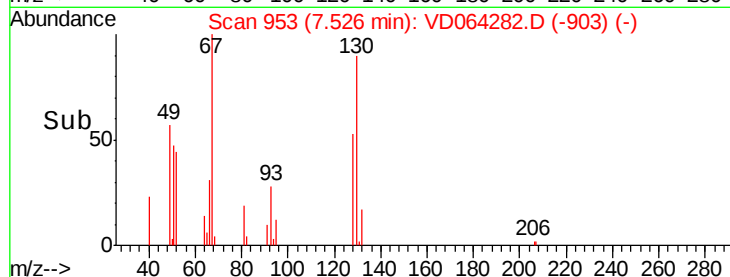
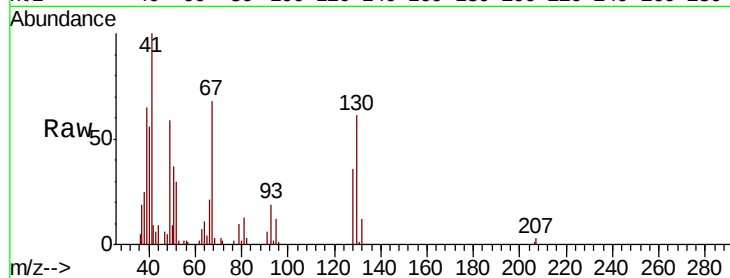




#41
Methacrylonitrile
Concen: 17.396 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

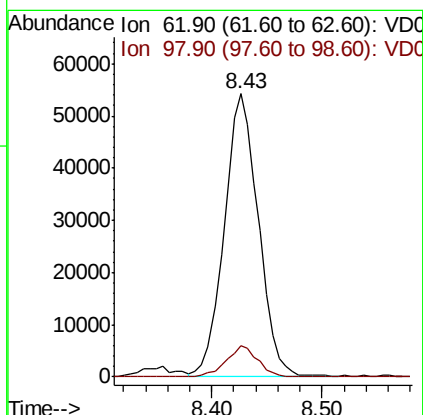
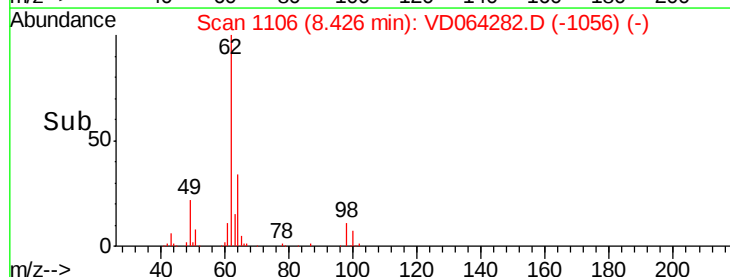
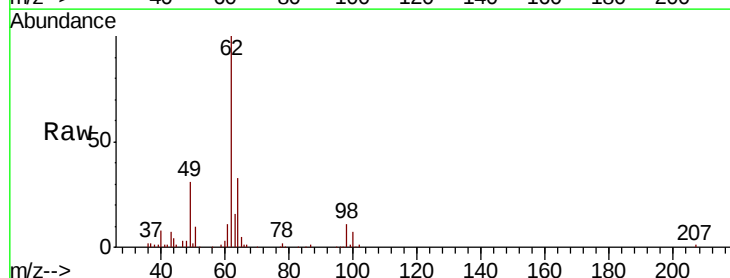
Instrument :
MSVOA_D
ClientSampled :

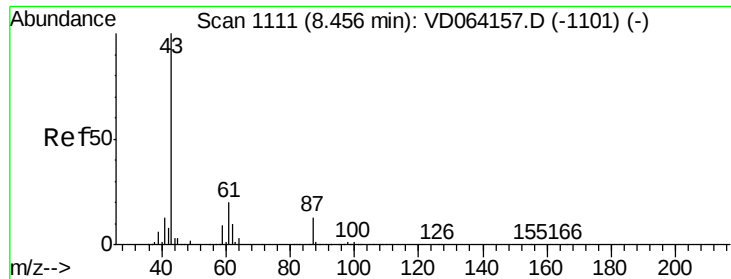
Tot Ion:	41	Resp:	36062
Ion	Ratio	Lower	Upper
41	100		
39	62.9	49.4	74.2
67	70.5	49.6	74.4
52	31.5	21.4	32.0



#42
1,2-Dichloroethane
Concen: 18.062 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

Tgt Ion:	62	Resp:	115988
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	19.0





#43

Isopropyl Acetate

Concen: 17.761 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064282.D

Acq: 19 Nov 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

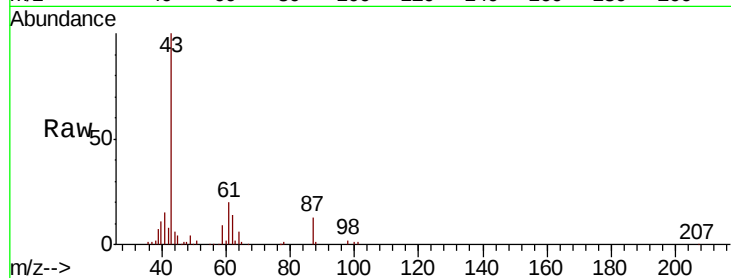
Tot Ion: 43 Resp: 120697

Ion Ratio Lower Upper

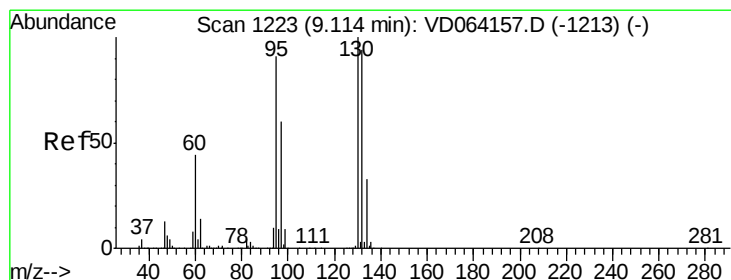
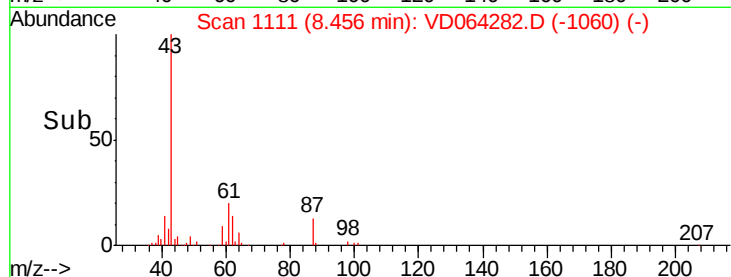
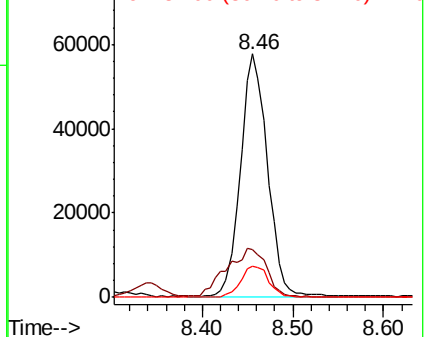
43 100

61 29.8 22.9 34.3

87 13.0 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: 19.701 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064282.D

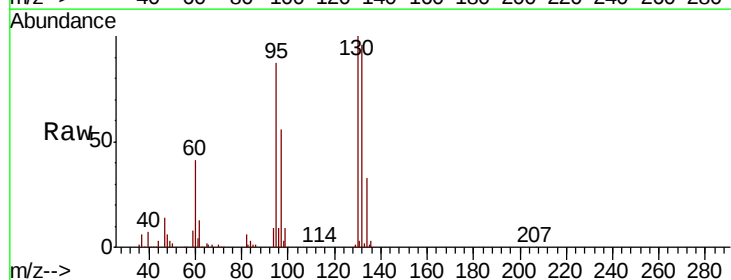
Acq: 19 Nov 2019 11:35

Tgt Ion:130 Resp: 126424

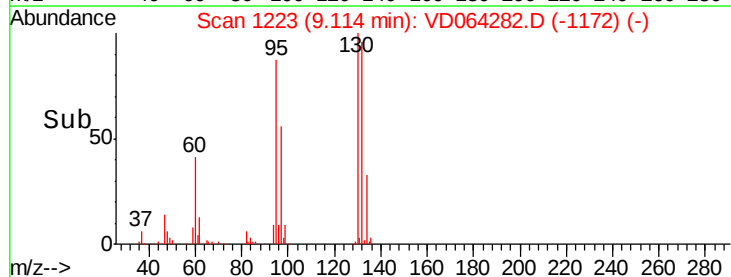
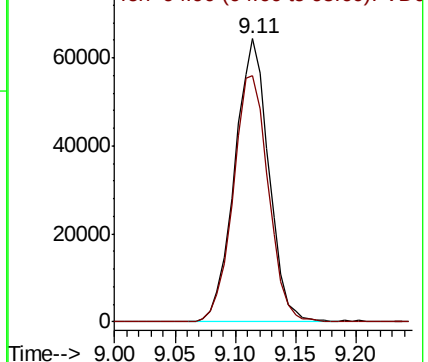
Ion Ratio Lower Upper

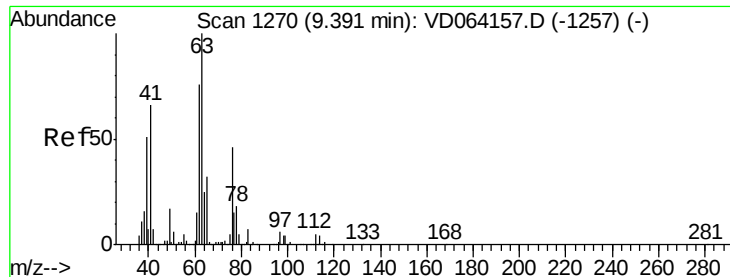
130 100

95 87.1 0.0 181.6



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

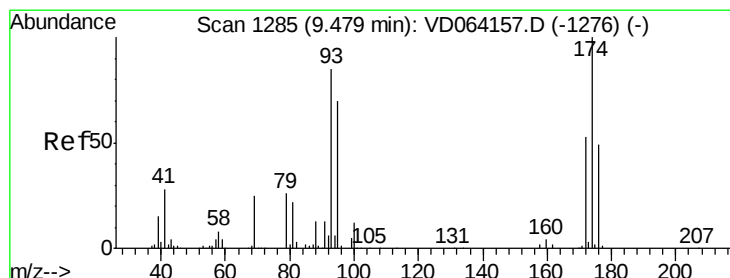
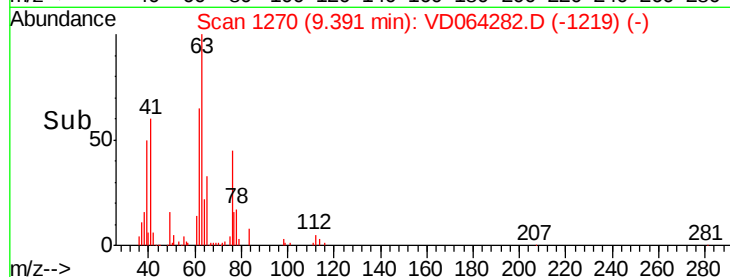
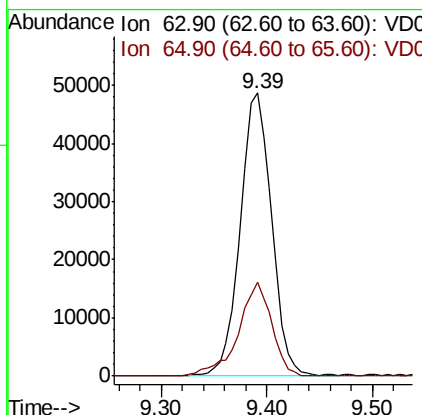
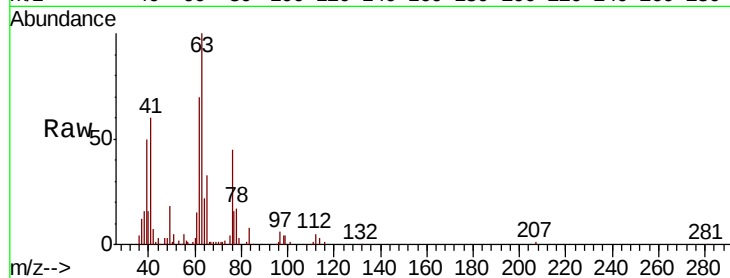




#45
 1,2-Dichloropropane
 Concen: 19.344 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064282.D
 Acq: 19 Nov 2019 11:35

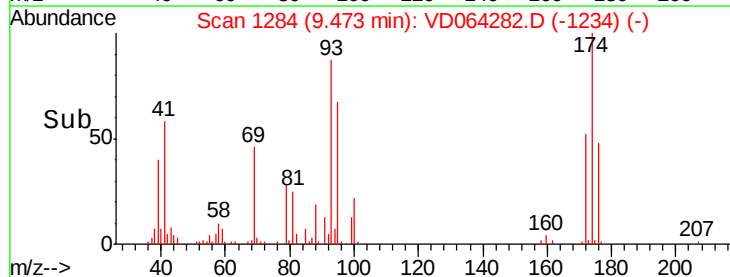
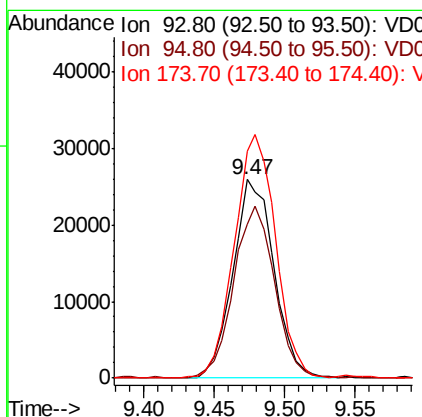
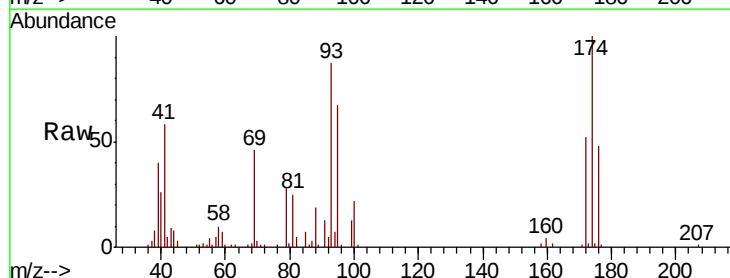
Instrument :
 MSVOA_D
 ClientSampled :

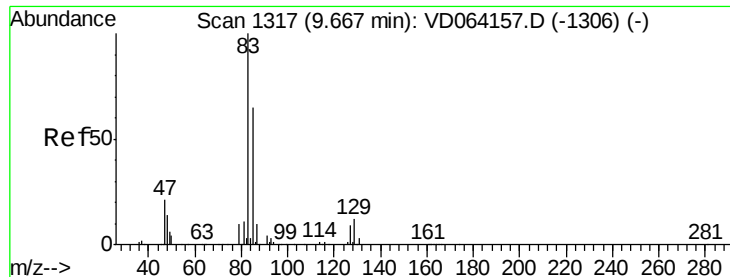
Tot Ion: 63 Resp: 100668
 Ion Ratio Lower Upper
 63 100
 65 33.4 25.7 38.5



#46
 Dibromomethane
 Concen: 18.929 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: VD064282.D
 Acq: 19 Nov 2019 11:35

Tgt Ion: 93 Resp: 52738
 Ion Ratio Lower Upper
 93 100
 95 86.5 65.5 98.3
 174 123.4 93.9 140.9





#47

Bromodichloromethane

Concen: 19.371 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064282.D

Acq: 19 Nov 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :

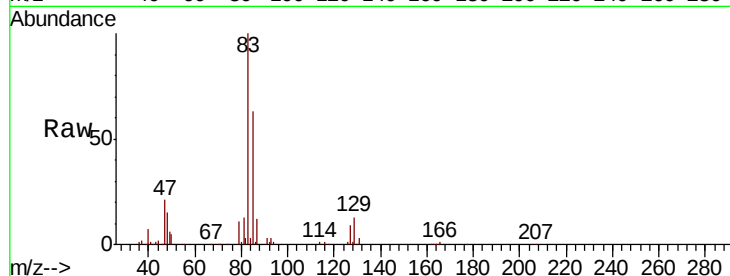
Tot Ion: 83 Resp: 145373

Ion Ratio Lower Upper

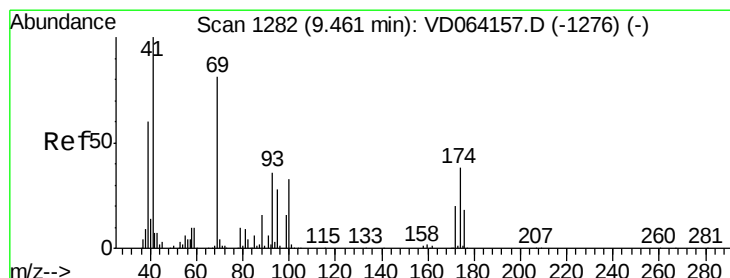
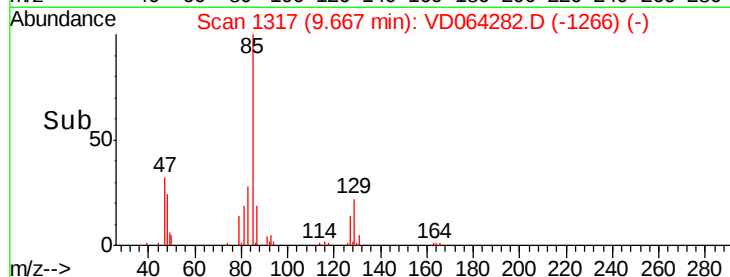
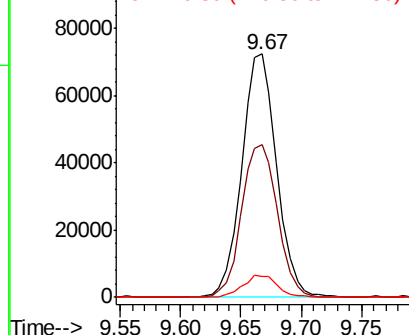
83 100

85 62.7 52.2 78.4

127 8.6 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: 16.676 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064282.D

Acq: 19 Nov 2019 11:35

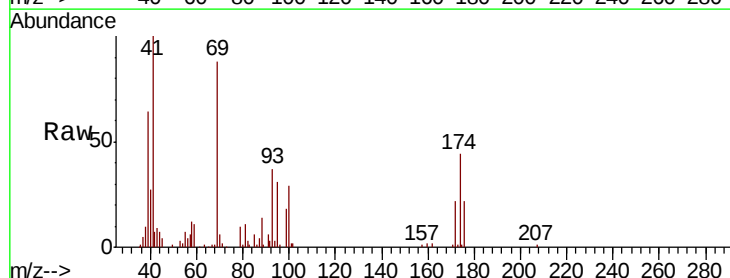
Tgt Ion: 41 Resp: 55412

Ion Ratio Lower Upper

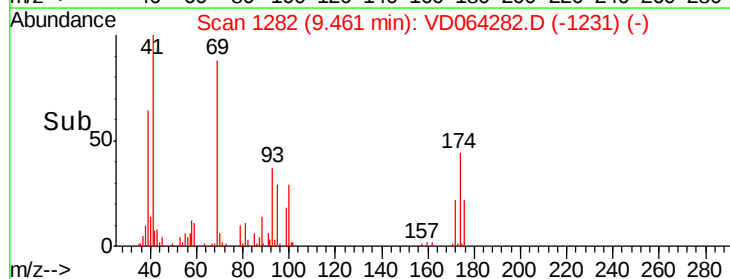
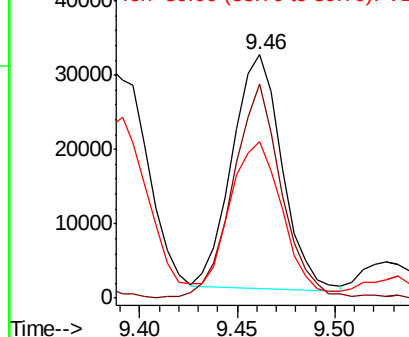
41 100

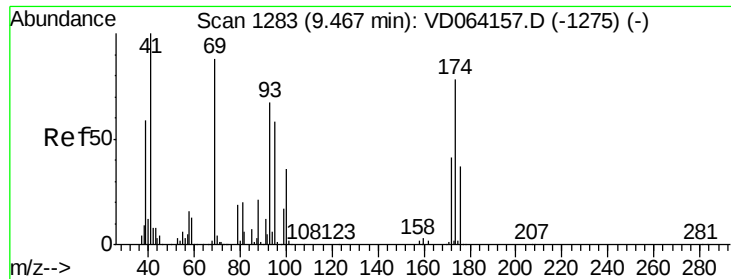
69 89.4 64.6 97.0

39 65.0 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

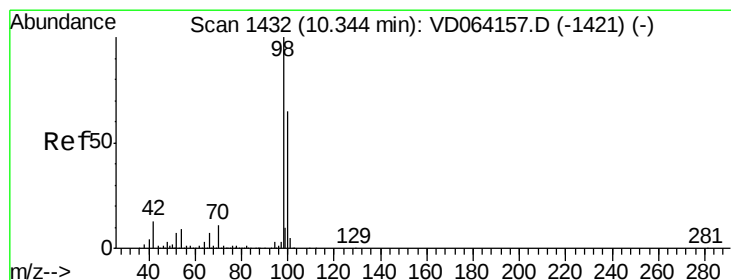
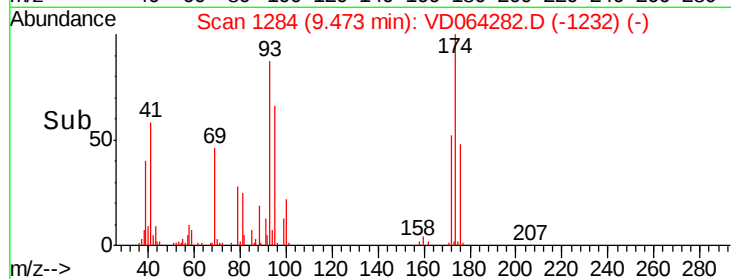
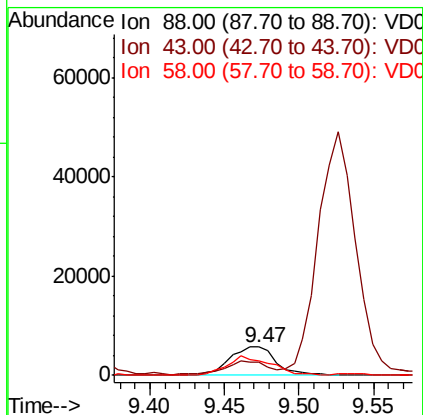
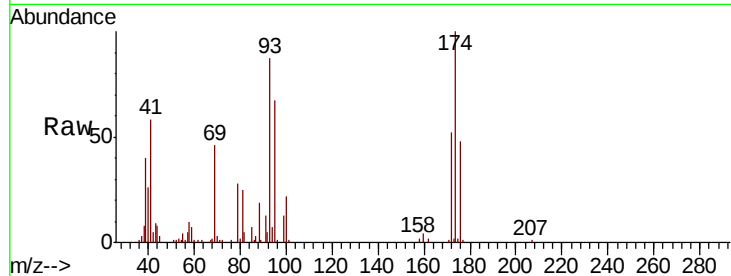




#49
 1,4-Dioxane
 Concen: 365.828 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. 0.01 min
 Lab File: VD064282.D
 Acq: 19 Nov 2019 11:35

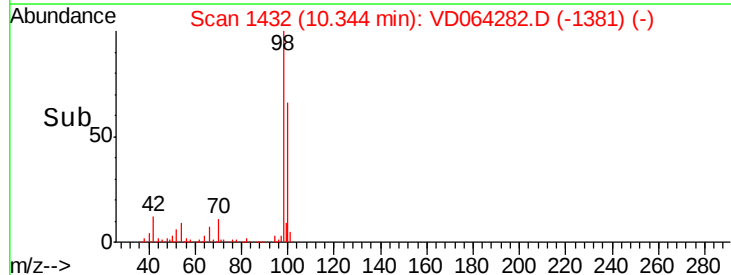
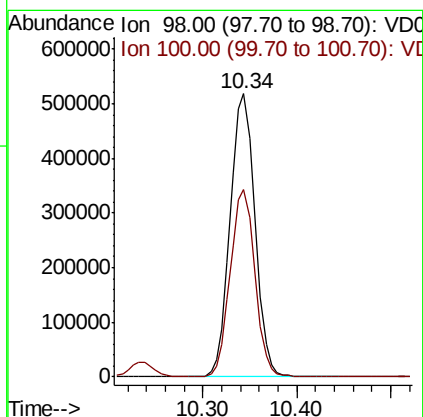
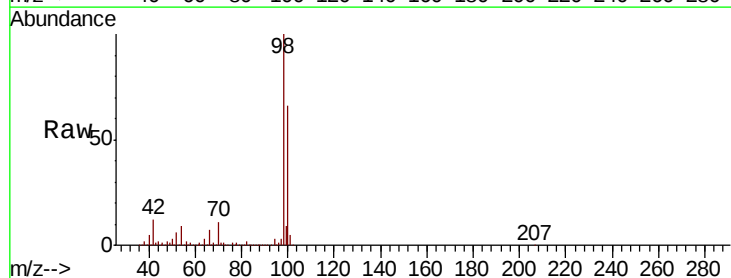
Instrument :
 MSVOA_D
 ClientSampleId :

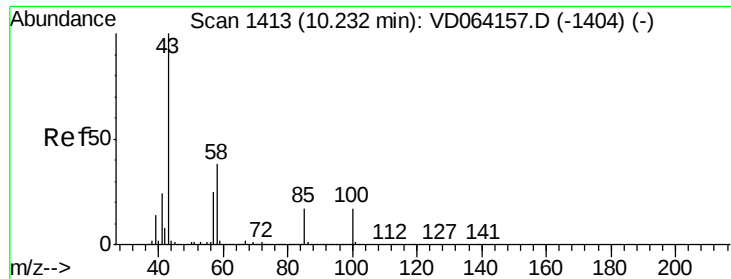
Tot Ion: 88 Resp: 12241
 Ion Ratio Lower Upper
 88 100
 43 41.1 29.8 44.8
 58 66.3 58.1 87.1



#50
 Toluene-d8
 Concen: 51.957 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD064282.D
 Acq: 19 Nov 2019 11:35

Tgt Ion: 98 Resp: 953725
 Ion Ratio Lower Upper
 98 100
 100 65.7 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 88.390 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064282.D

Acq: 19 Nov 2019 11:35

Instrument :

MSVOA_D

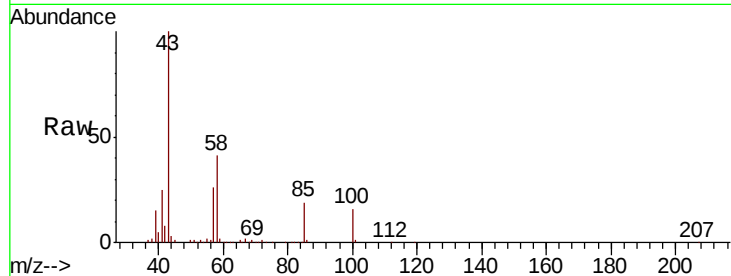
ClientSampleId :

Tot Ion: 43 Resp: 288042

Ion Ratio Lower Upper

43 100

58 39.0 30.2 45.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

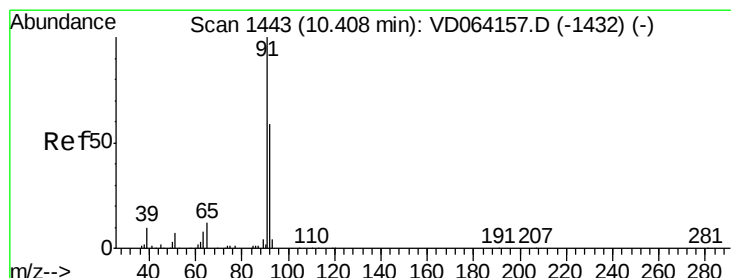
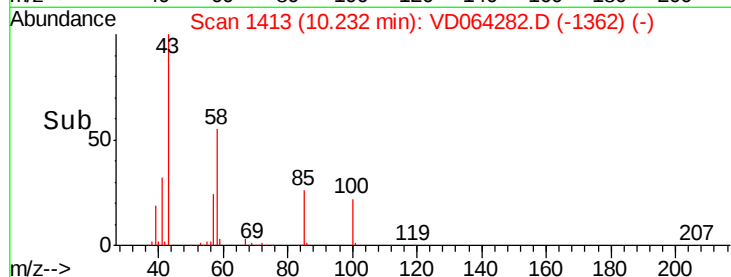
150000

100000

50000

0

Time--> 10.10 10.20 10.30



#52

Toluene

Concen: 19.514 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD064282.D

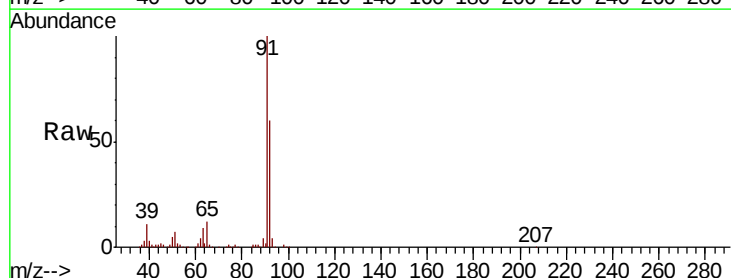
Acq: 19 Nov 2019 11:35

Tgt Ion: 92 Resp: 274360

Ion Ratio Lower Upper

92 100

91 169.2 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

300000

250000

200000

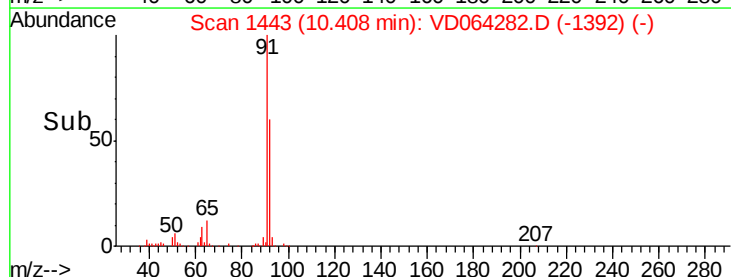
150000

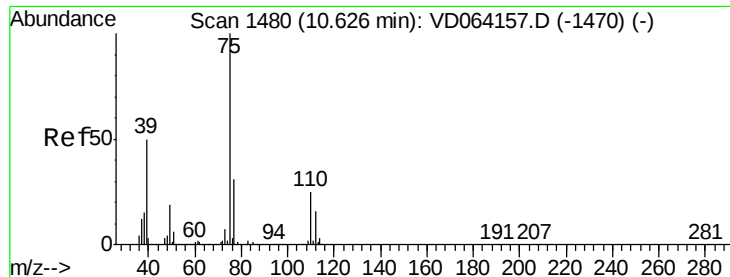
100000

50000

0

Time--> 10.30 10.40 10.50





#53

t-1,3-Dichloropropene

Concen: 18.286 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD064282.D

Acq: 19 Nov 2019 11:35

Instrument :

MSVOA_D

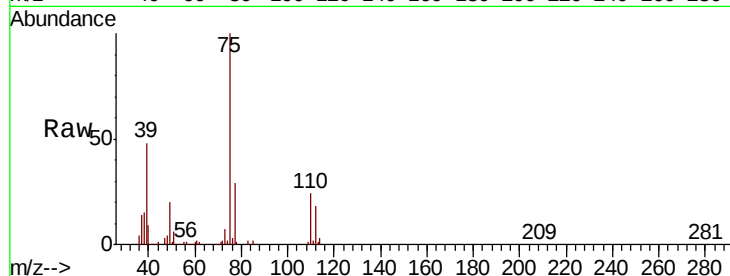
ClientSampleId :

Tot Ion: 75 Resp: 137487

Ion Ratio Lower Upper

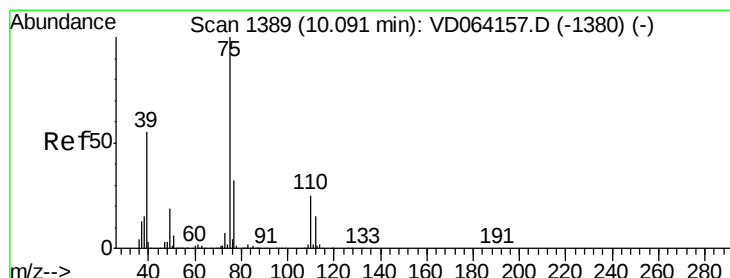
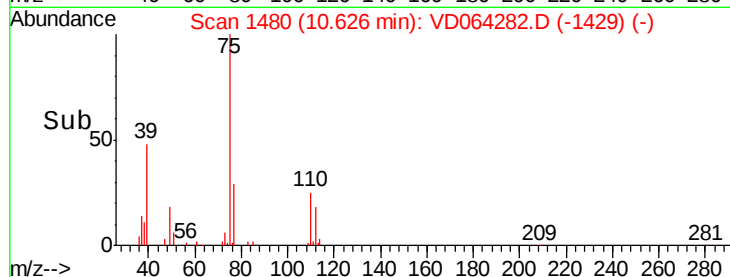
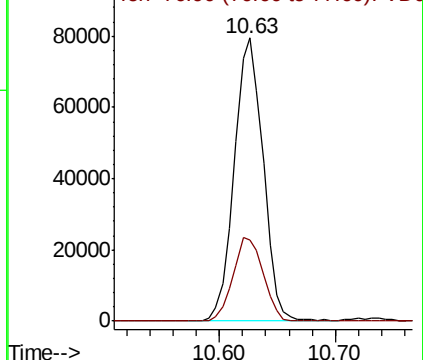
75 100

77 28.7 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: 18.773 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064282.D

Acq: 19 Nov 2019 11:35

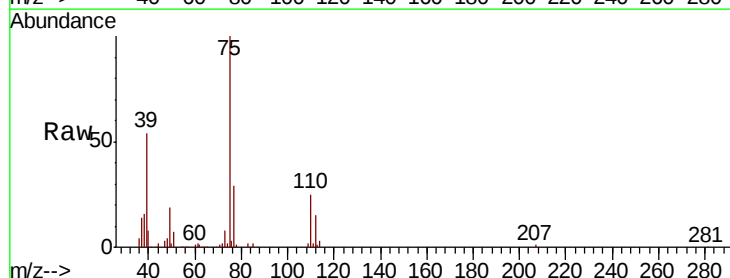
Tgt Ion: 75 Resp: 164702

Ion Ratio Lower Upper

75 100

77 29.3 25.2 37.8

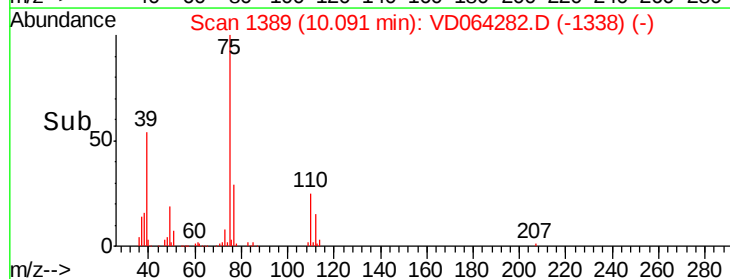
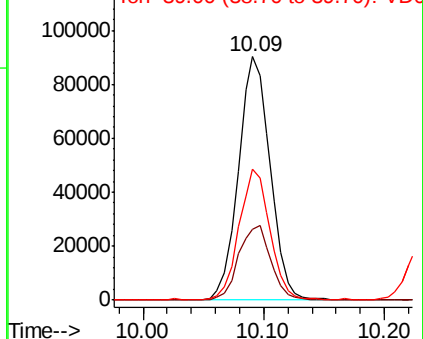
39 53.7 44.2 66.2

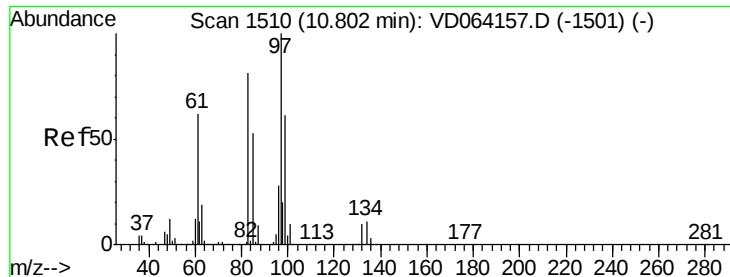


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

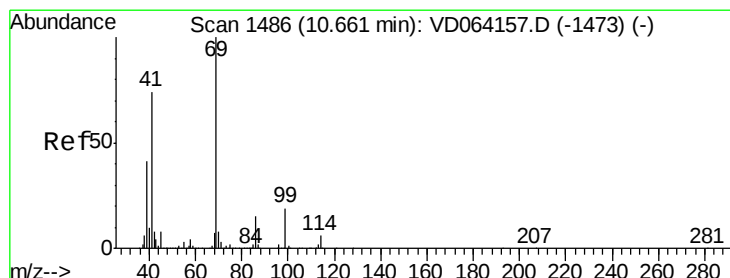
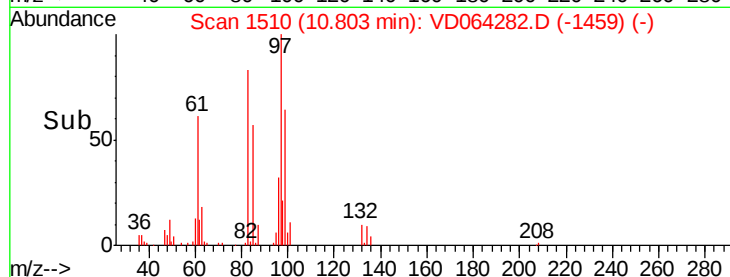
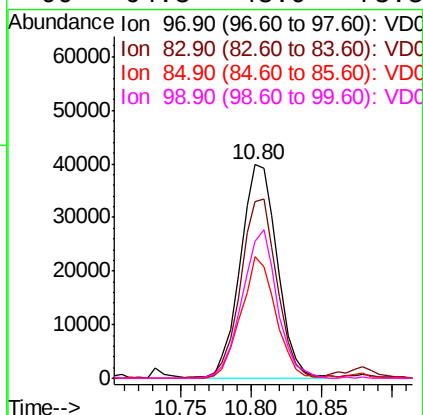
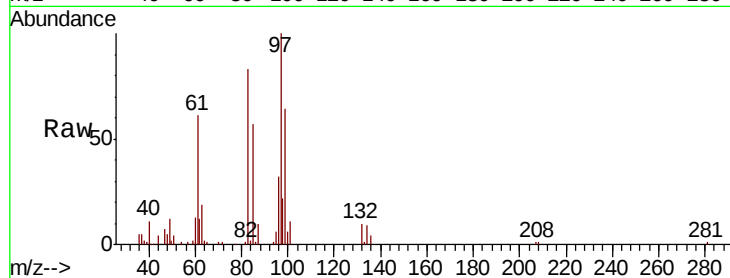




#55
 1,1,2-Trichloroethane
 Concen: 19.435 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064282.D
 Acq: 19 Nov 2019 11:35

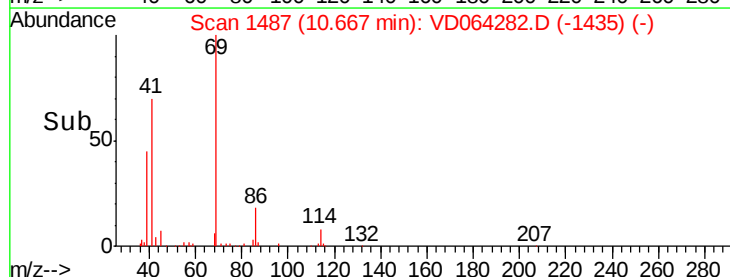
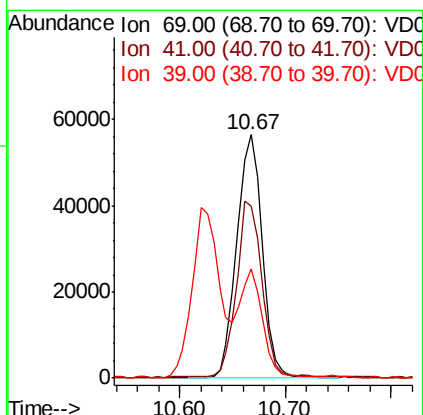
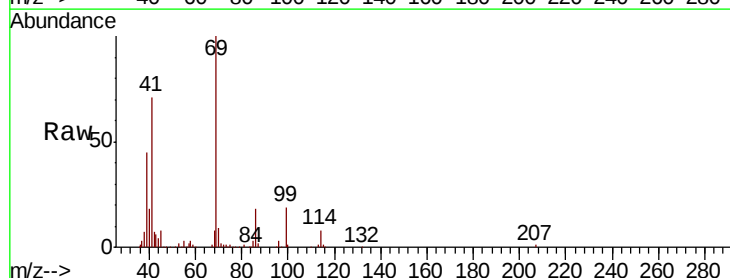
Instrument :
 MSVOA_D
 ClientSampleId :

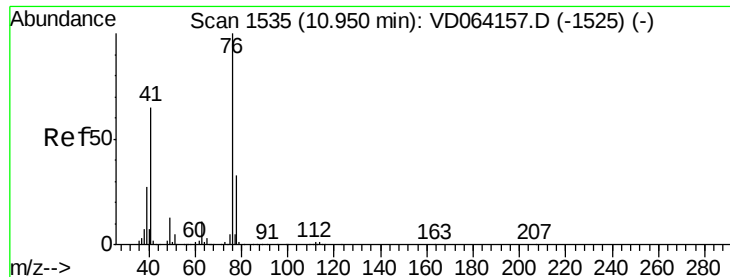
Tot Ion:	97	Resp:	73455
Ion	Ratio	Lower	Upper
97	100		
83	82.4	65.1	97.7
85	56.8	42.0	63.0
99	64.3	48.9	73.3



#56
 Ethyl methacrylate
 Concen: 17.853 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064282.D
 Acq: 19 Nov 2019 11:35

Tgt Ion:	69	Resp:	94393
Ion	Ratio	Lower	Upper
69	100		
41	70.8	57.9	86.9
39	39.0	29.0	43.4





#57

1,3-Dichloropropane

Concen: 19.282 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064282.D

Acq: 19 Nov 2019 11:35

Instrument :

MSVOA_D

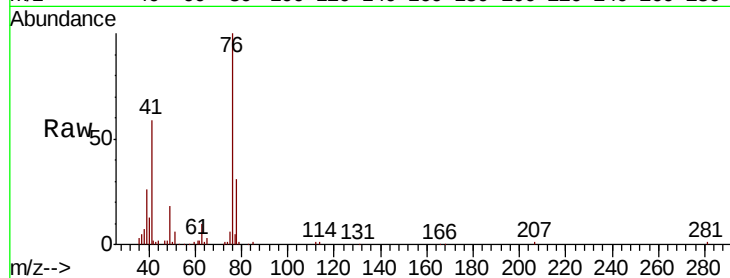
ClientSampleId :

Tot Ion: 76 Resp: 127101

Ion Ratio Lower Upper

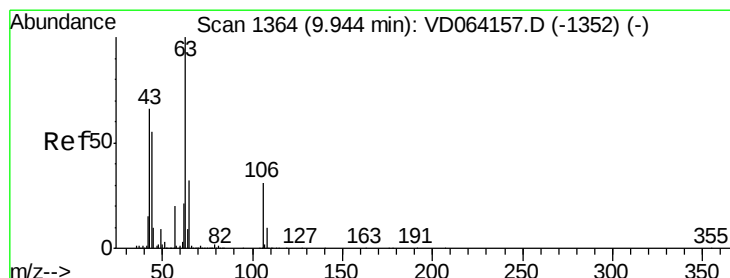
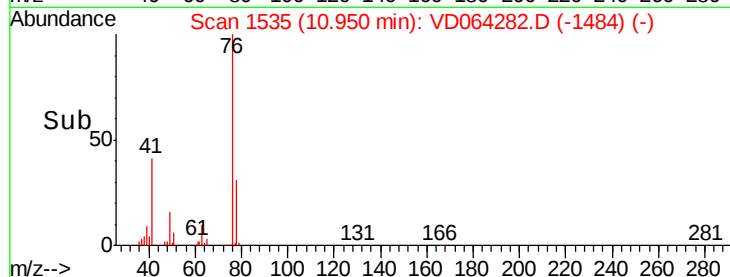
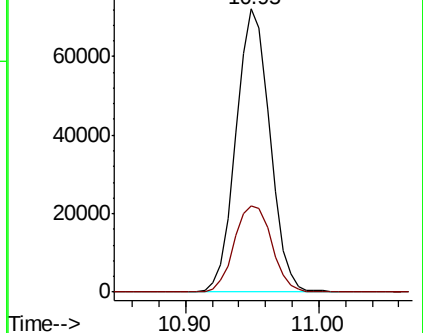
76 100

78 33.7 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 97.626 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064282.D

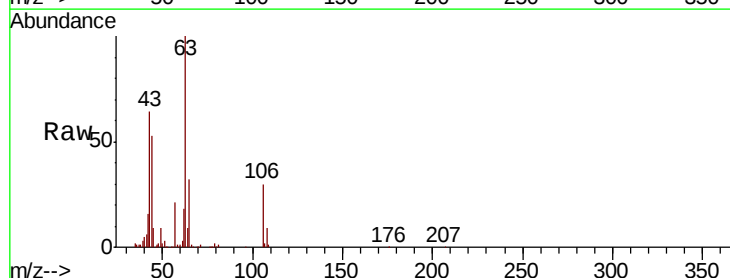
Acq: 19 Nov 2019 11:35

Tgt Ion: 63 Resp: 209084

Ion Ratio Lower Upper

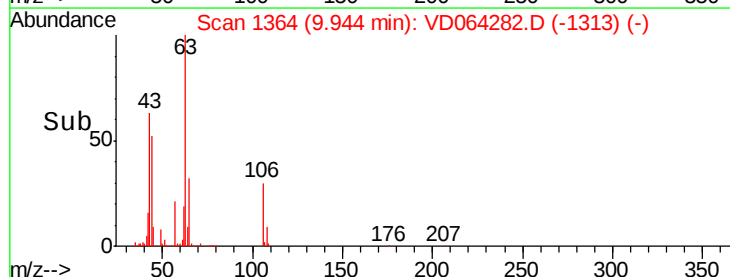
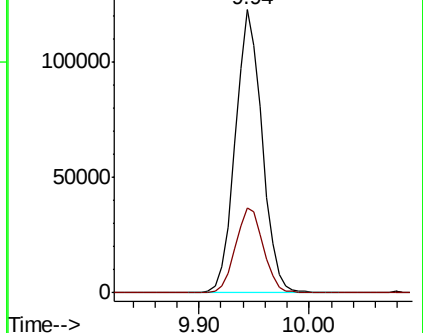
63 100

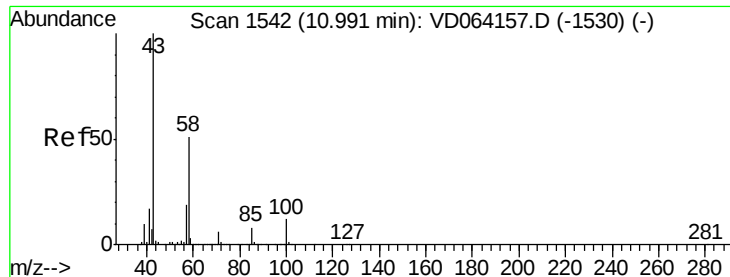
106 31.2 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

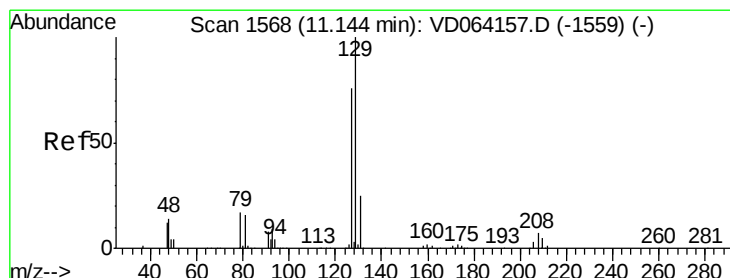
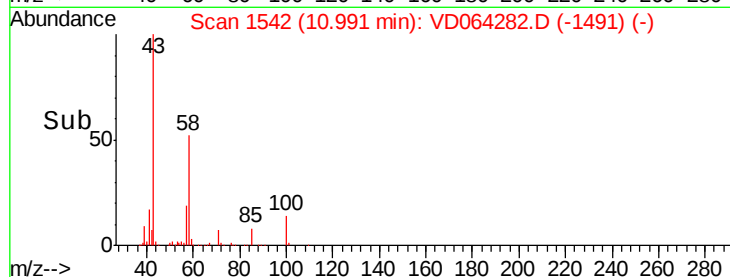
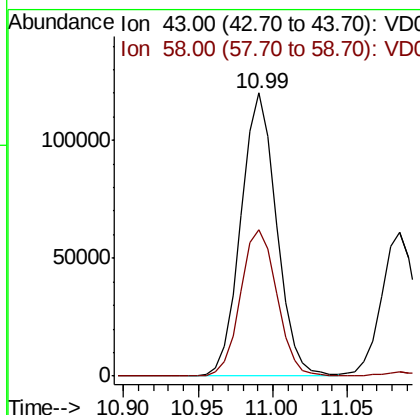
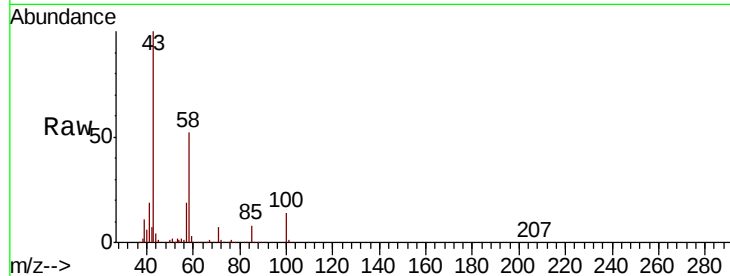




#59
2-Hexanone
Concen: 85.374 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

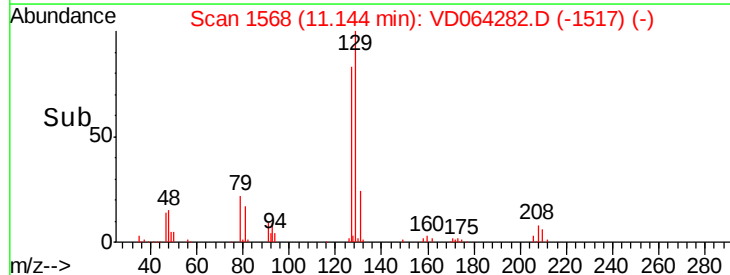
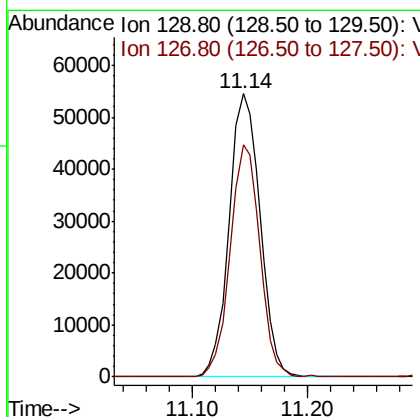
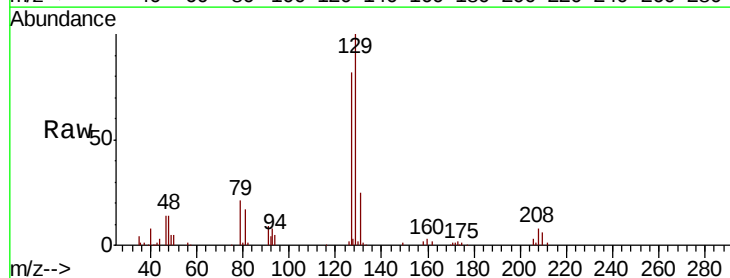
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 197935
Ion Ratio Lower Upper
43 100
58 53.0 25.9 77.7



#60
Dibromochloromethane
Concen: 19.278 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

Tgt Ion: 129 Resp: 101671
Ion Ratio Lower Upper
129 100
127 78.0 38.6 115.8

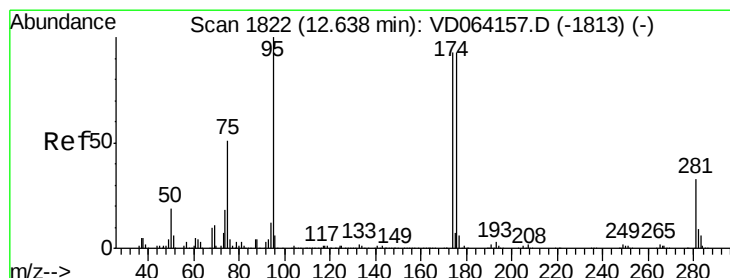
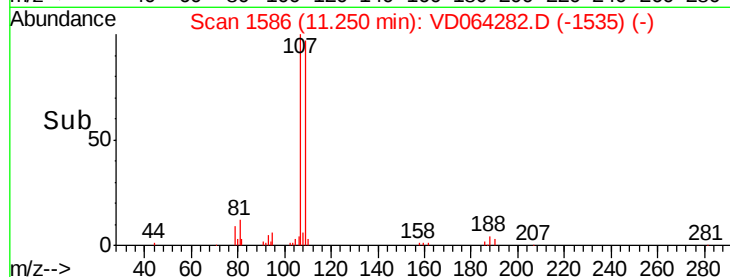
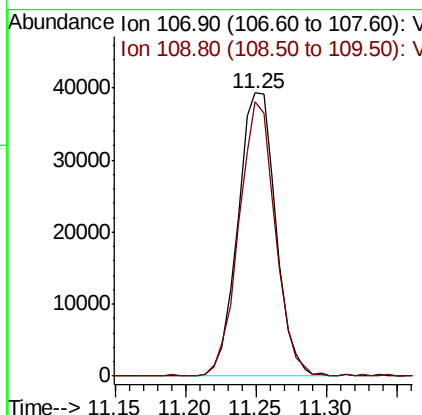
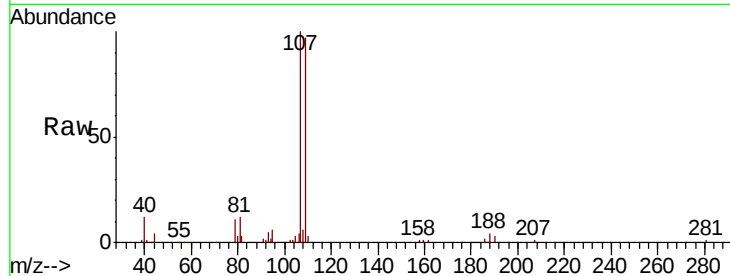




#61
 1,2-Dibromoethane
 Concen: 19.472 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064282.D
 Acq: 19 Nov 2019 11:35

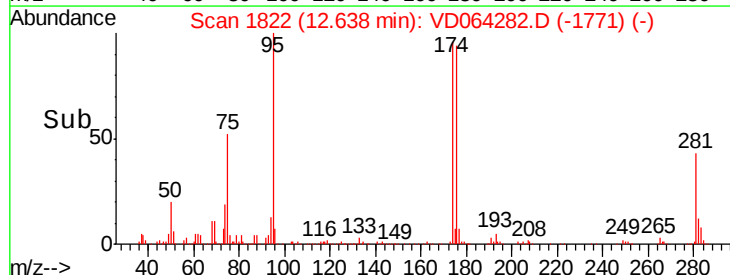
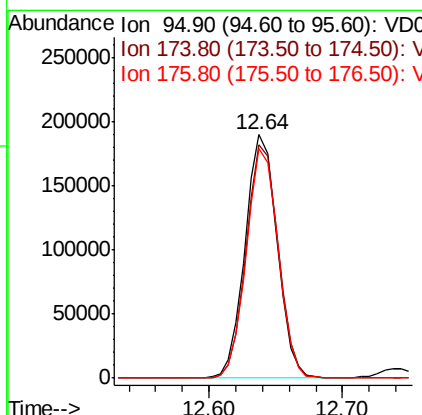
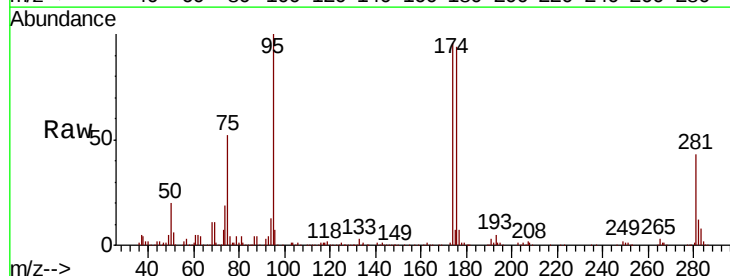
Instrument :
 MSVOA_D
 ClientSampleId :

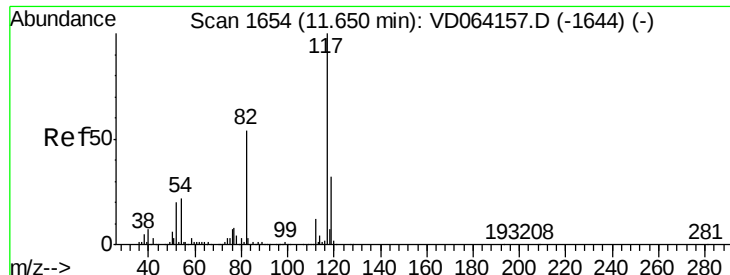
Tot Ion: 107 Resp: 73715
 Ion Ratio Lower Upper
 107 100
 109 92.9 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 49.387 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064282.D
 Acq: 19 Nov 2019 11:35

Tgt Ion: 95 Resp: 313948
 Ion Ratio Lower Upper
 95 100
 174 96.1 0.0 183.6
 176 93.6 0.0 180.2

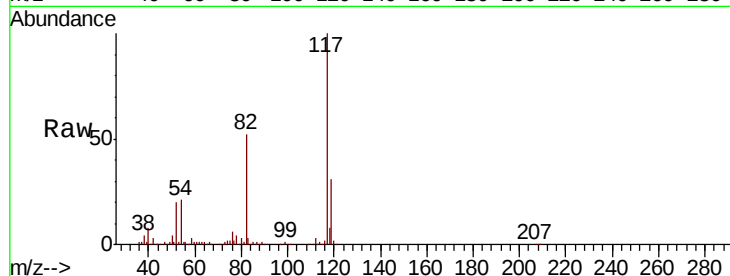




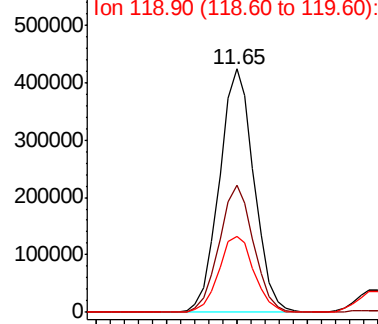
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

Instrument :
MSVOA_D
ClientSampled :

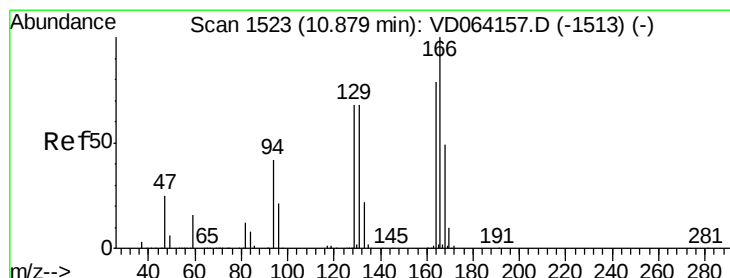
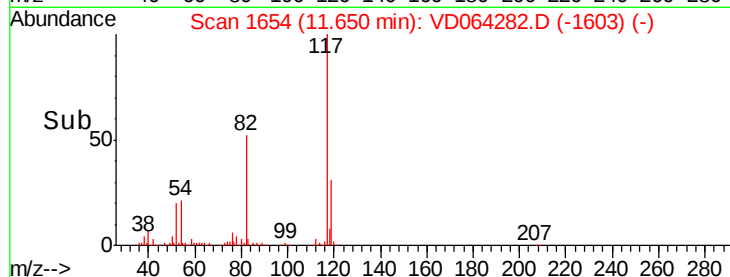
Tot Ion:117 Resp: 728388
Ion Ratio Lower Upper
117 100
82 52.2 42.8 64.2
119 31.3 25.6 38.4



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VD
Ion 118.90 (118.60 to 119.60): V

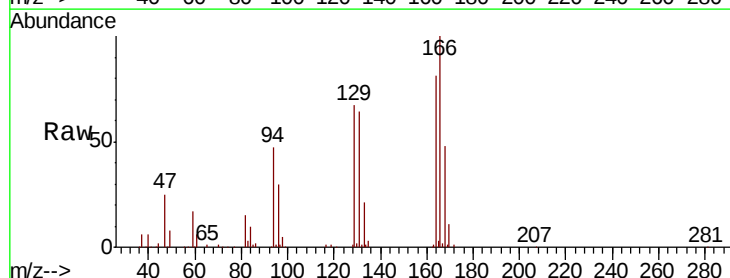


Time--> 11.55 11.60 11.65 11.70

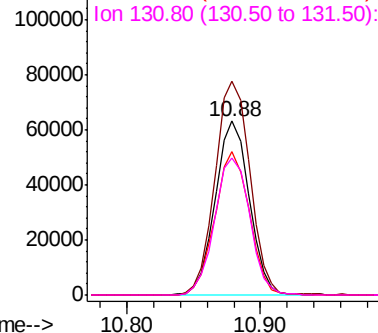


#64
Tetrachloroethene
Concen: 19.820 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

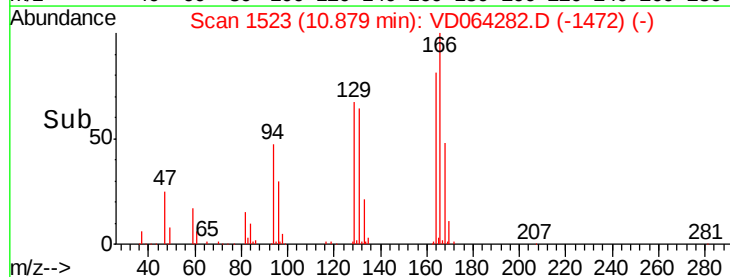
Tgt Ion:164 Resp: 111029
Ion Ratio Lower Upper
164 100
166 123.0 100.8 151.2
129 82.7 68.7 103.1
131 78.7 68.1 102.1



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



Time--> 10.80 10.90

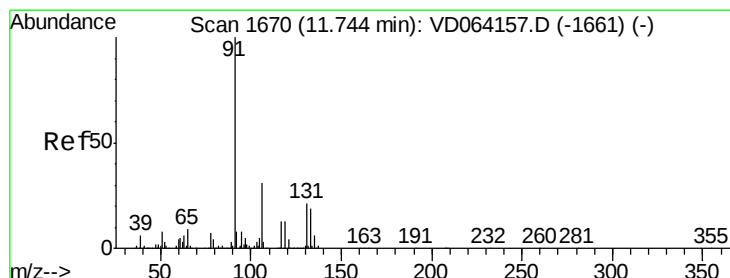
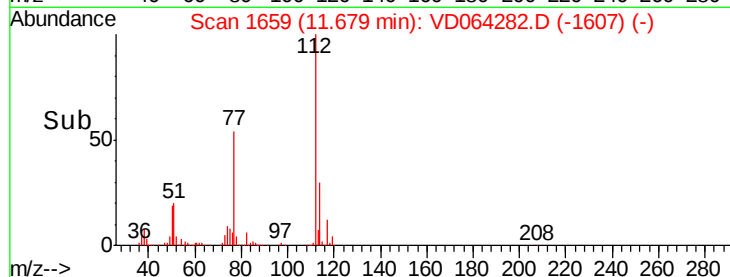
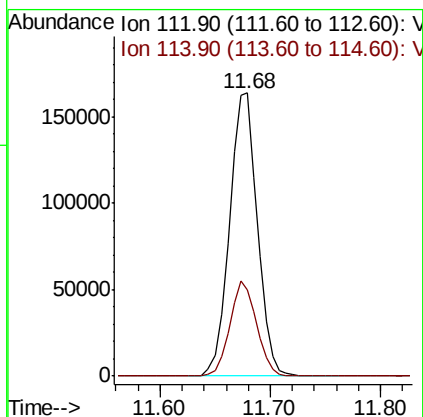
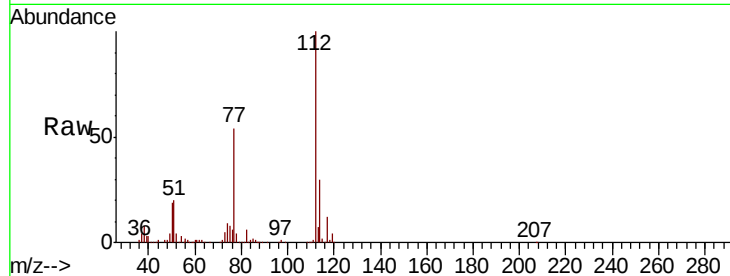




#65
Chlorobenzene
Concen: 19.514 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

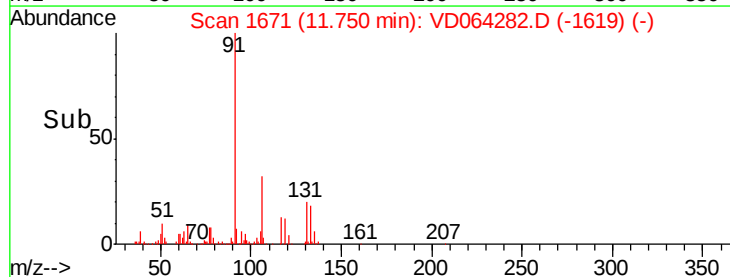
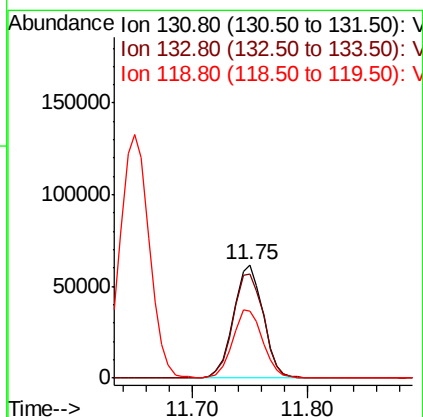
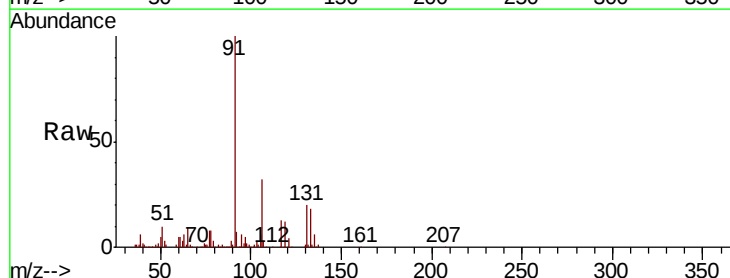
Instrument :
MSVOA_D
ClientSampleId :

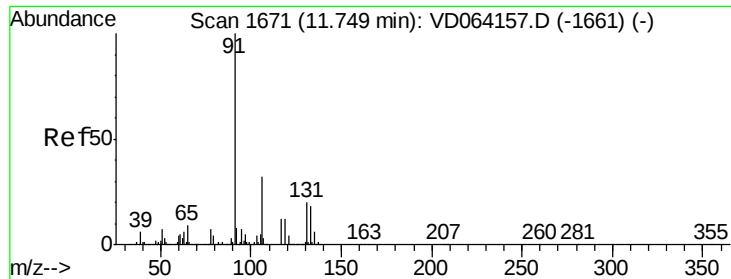
Tot Ion:112 Resp: 289031
Ion Ratio Lower Upper
112 100
114 30.3 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.511 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

Tgt Ion:131 Resp: 109886
Ion Ratio Lower Upper
131 100
133 95.8 47.3 141.9
119 61.4 31.1 93.3

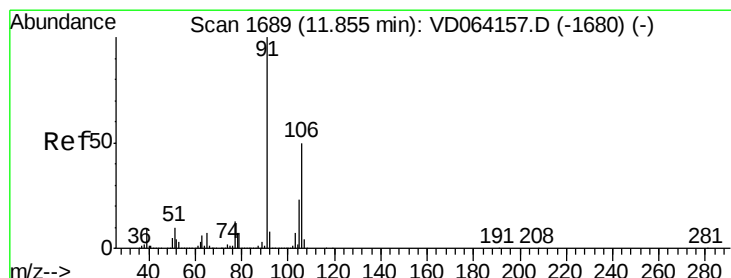
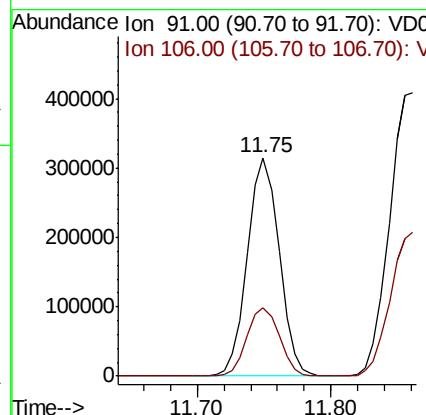
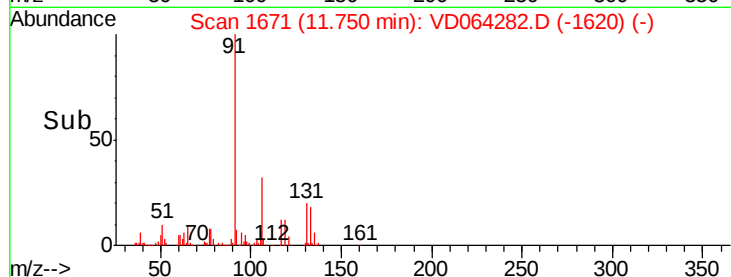
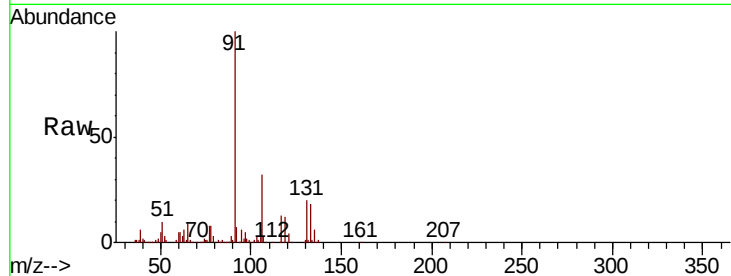




#67
Ethyl Benzene
Concen: 19.397 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

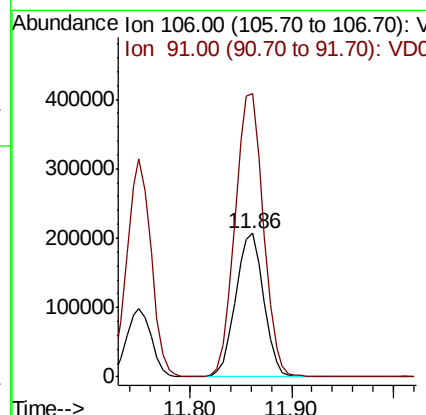
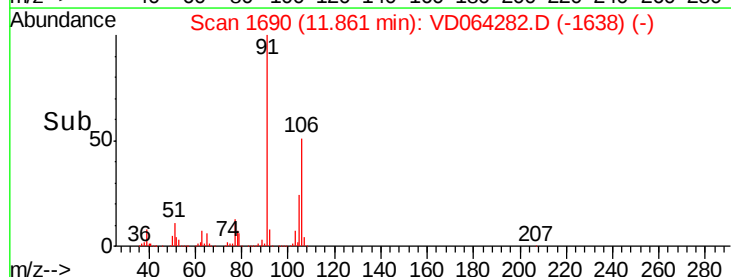
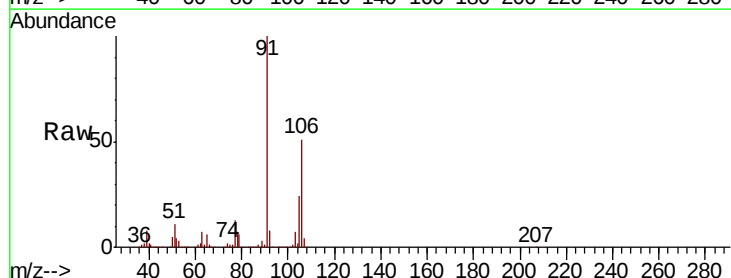
Instrument :
MSVOA_D
ClientSampleId :

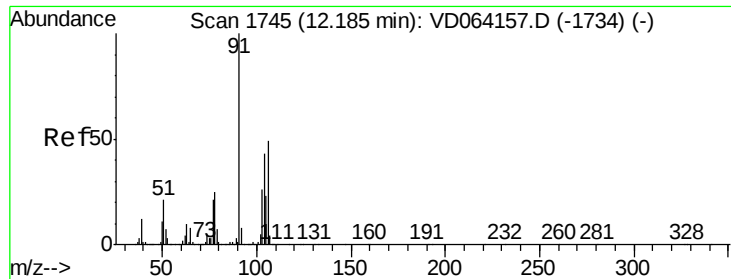
Tot Ion: 91 Resp: 519683
Ion Ratio Lower Upper
91 100
106 31.5 25.5 38.3



#68
m/p-Xylenes
Concen: 38.635 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

Tgt Ion: 106 Resp: 396756
Ion Ratio Lower Upper
106 100
91 199.4 160.3 240.5

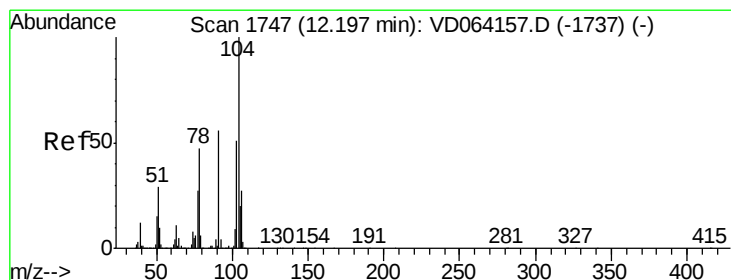
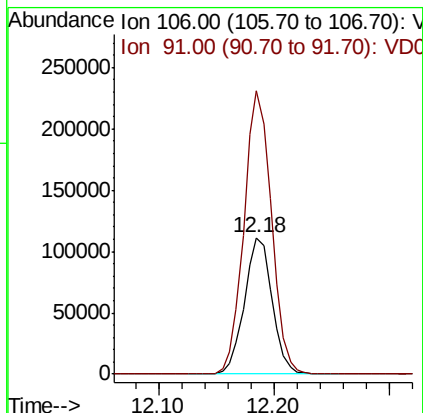
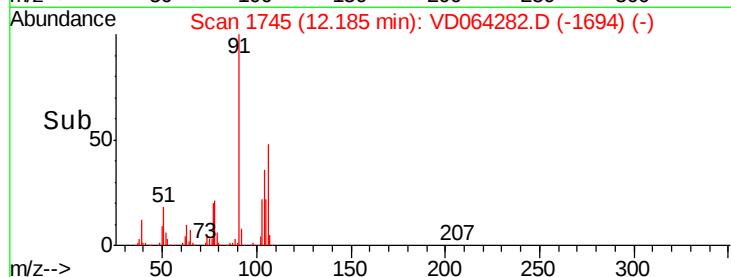
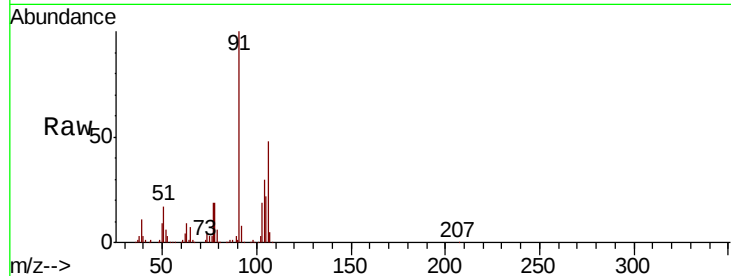




#69
o-Xylene
Concen: 19.526 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

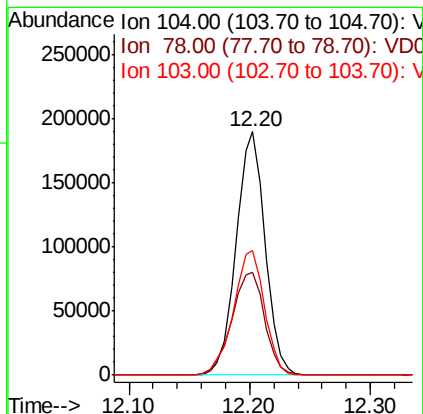
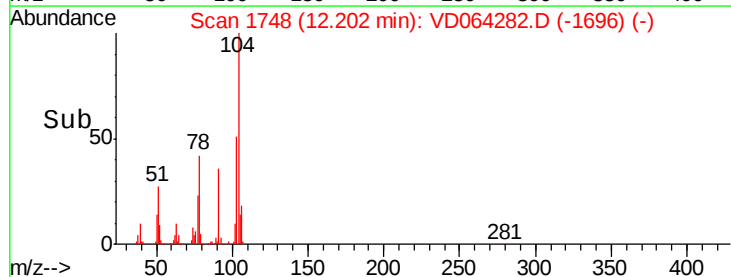
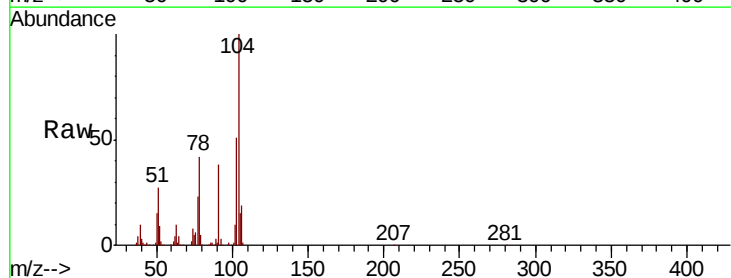
Instrument :
MSVOA_D
ClientSampleId :

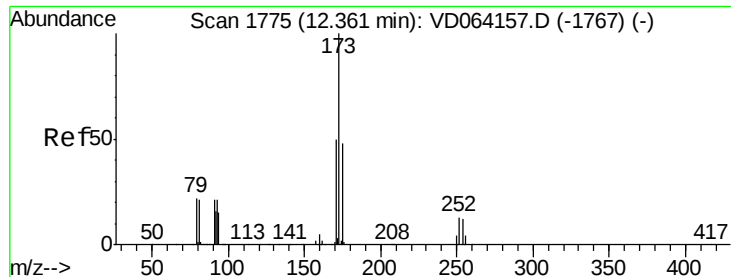
Tot Ion:106 Resp: 185975
Ion Ratio Lower Upper
106 100
91 205.2 105.1 315.3



#70
Styrene
Concen: 19.149 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

Tgt Ion:104 Resp: 318355
Ion Ratio Lower Upper
104 100
78 47.8 39.9 59.9
103 54.8 43.4 65.0





#71

Bromoform

Concen: 19.511 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064282.D

Acq: 19 Nov 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

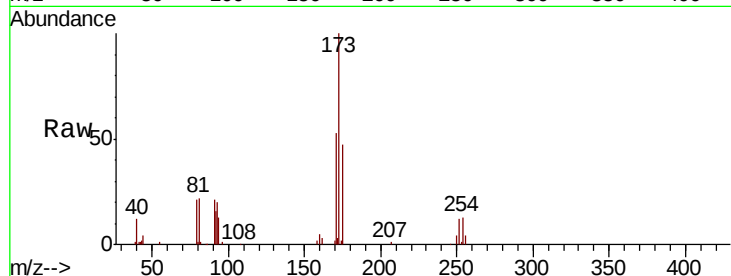
Tot Ion:173 Resp: 62537

Ion Ratio Lower Upper

173 100

175 47.5 24.1 72.3

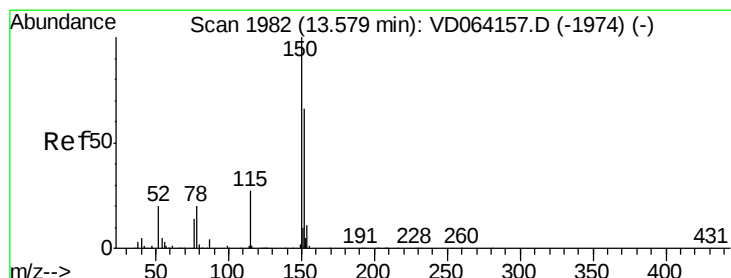
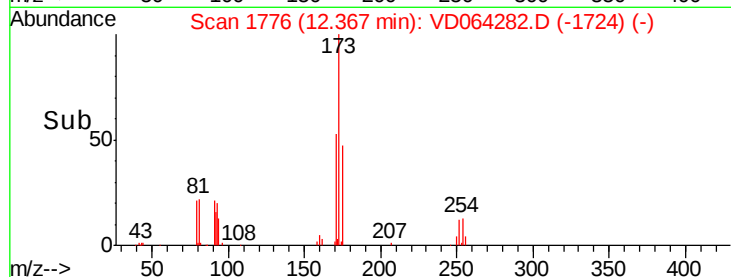
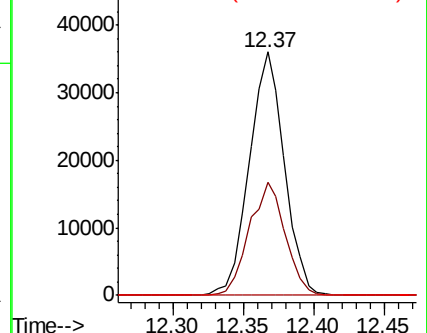
254 0.0 0.2 0.2#



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: VD064282.D

Acq: 19 Nov 2019 11:35

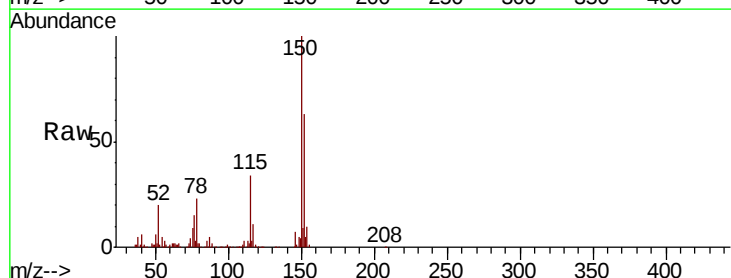
Tgt Ion:152 Resp: 348801

Ion Ratio Lower Upper

152 100

115 53.8 27.4 82.2

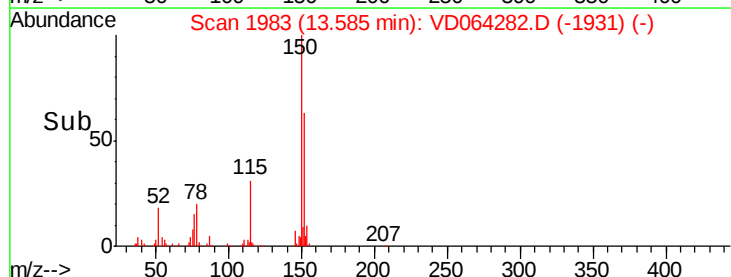
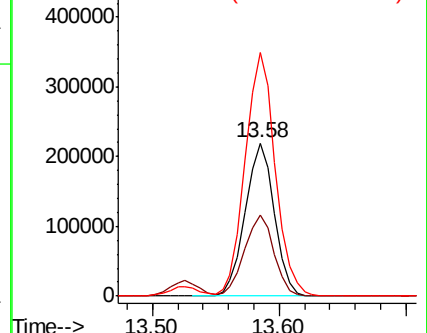
150 164.7 0.0 351.6

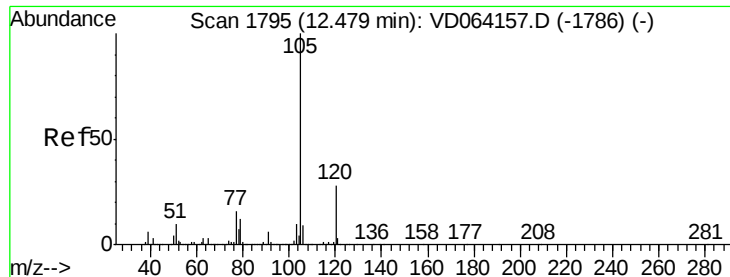


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.071 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064282.D

Acq: 19 Nov 2019 11:35

Instrument :

MSVOA_D

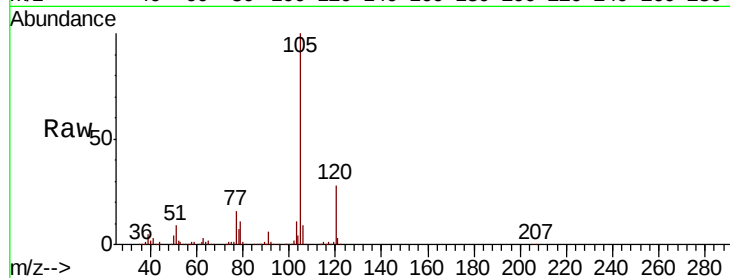
ClientSampleId :

Tot Ion:105 Resp: 513866

Ion Ratio Lower Upper

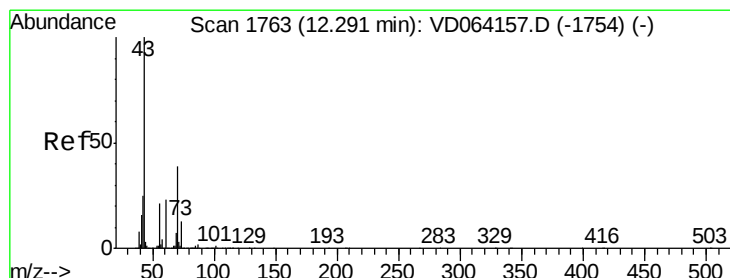
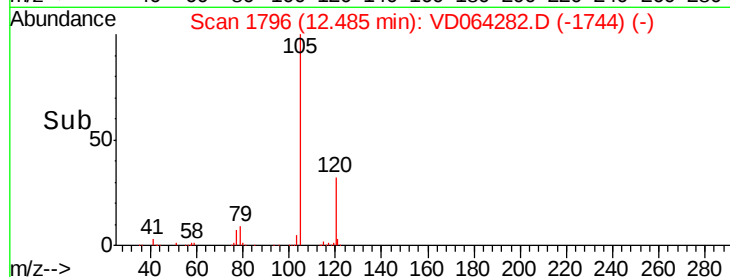
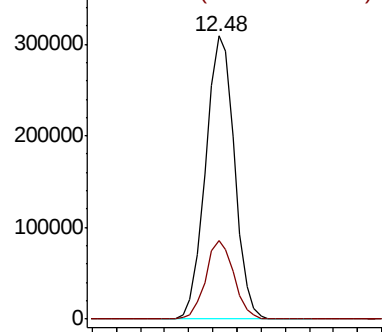
105 100

120 27.1 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.254 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064282.D

Acq: 19 Nov 2019 11:35

Tgt Ion: 43 Resp: 110357

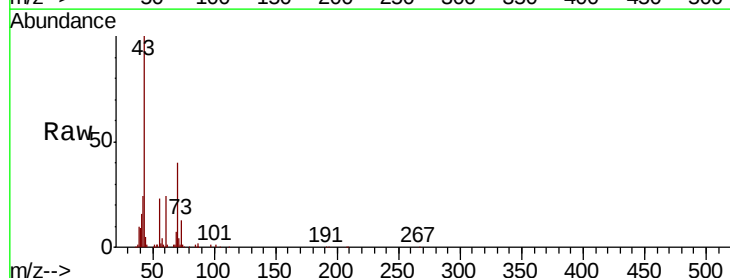
Ion Ratio Lower Upper

43 100

70 39.7 32.4 48.6

55 22.9 17.9 26.9

61 23.6 19.0 28.4

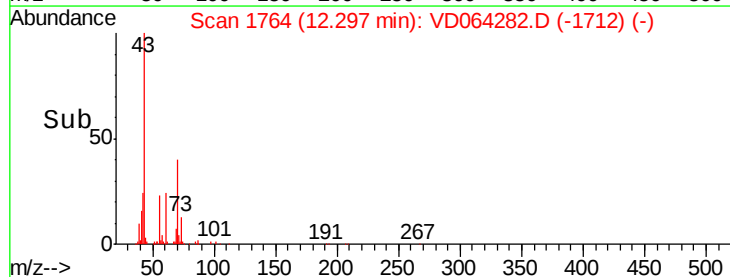
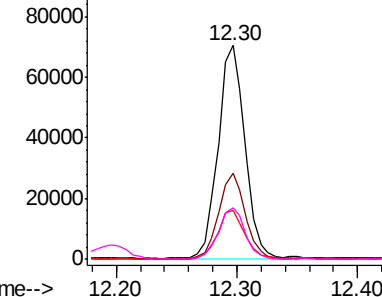


Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 19.453 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064282.D

Acq: 19 Nov 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

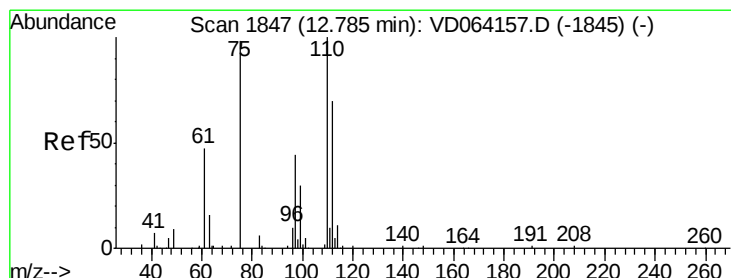
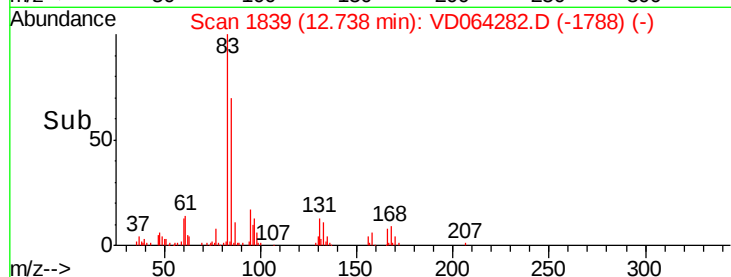
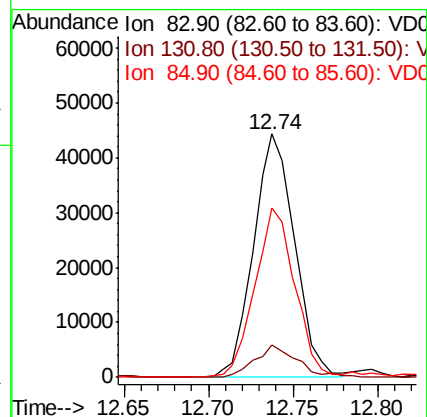
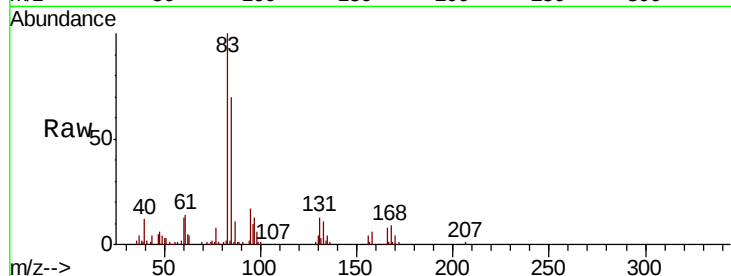
Tot Ion: 83 Resp: 75044

Ion Ratio Lower Upper

83 100

131 13.7 5.9 17.7

85 67.9 32.5 97.5



#76

1,2,3-Trichloropropane

Concen: 36.206 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD064282.D

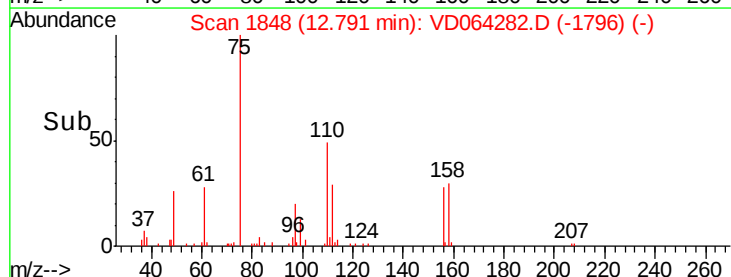
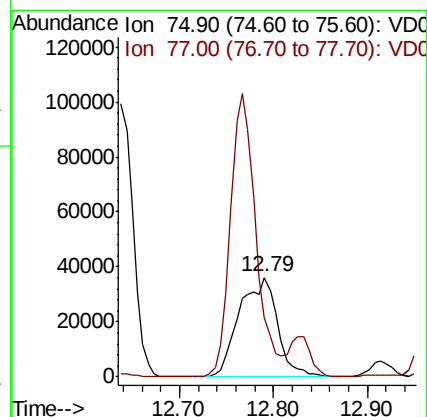
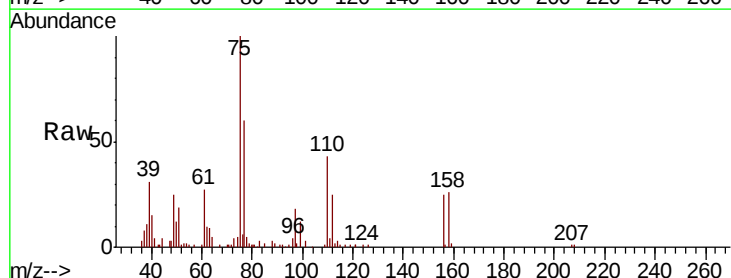
Acq: 19 Nov 2019 11:35

Tgt Ion: 75 Resp: 101719

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.044 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064282.D

Acq: 19 Nov 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

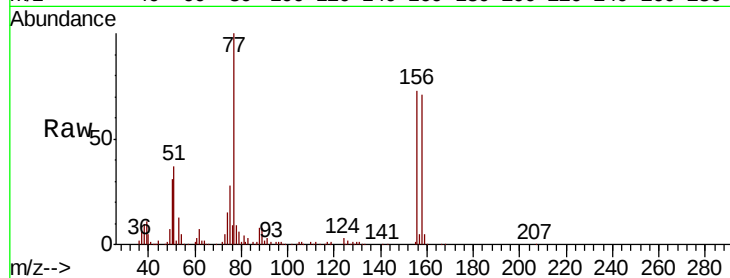
Tot Ion:156 Resp: 124668

Ion Ratio Lower Upper

156 100

77 155.5 81.2 243.4

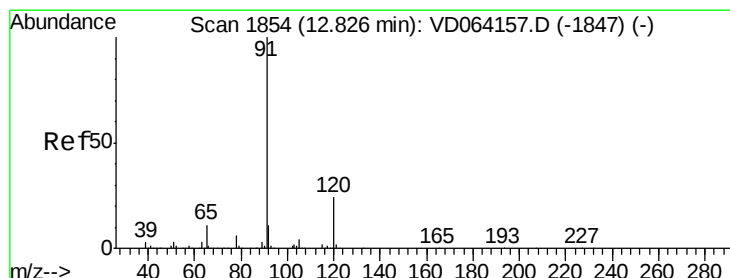
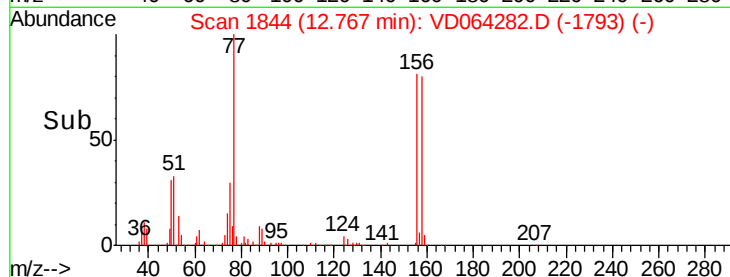
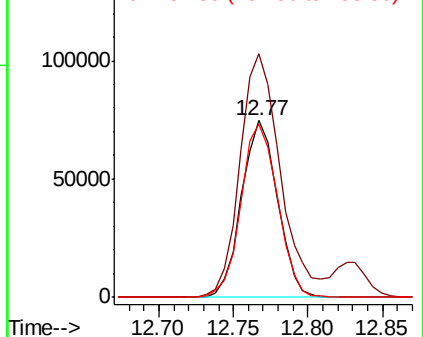
158 99.9 48.4 145.2



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: 20.158 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064282.D

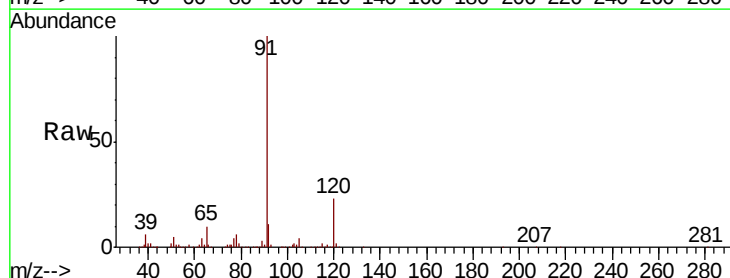
Acq: 19 Nov 2019 11:35

Tgt Ion: 91 Resp: 589620

Ion Ratio Lower Upper

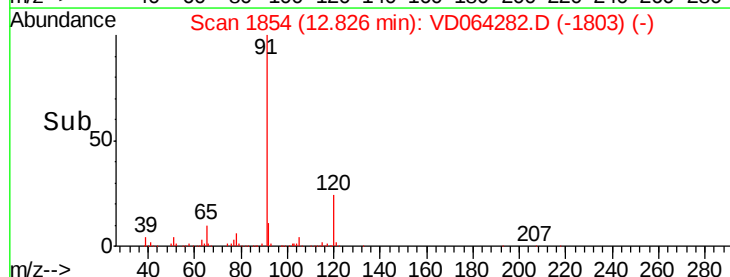
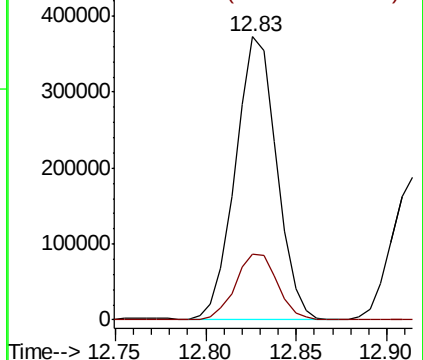
91 100

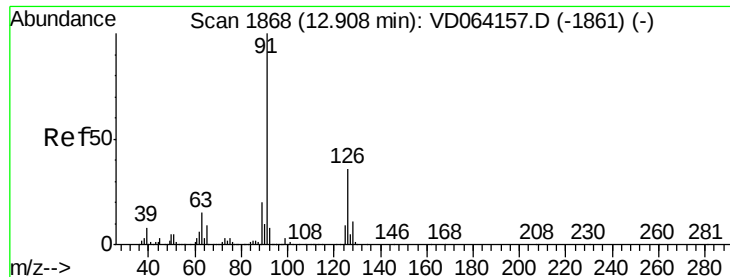
120 23.8 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

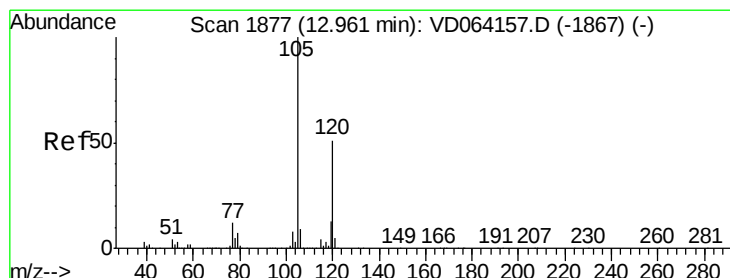
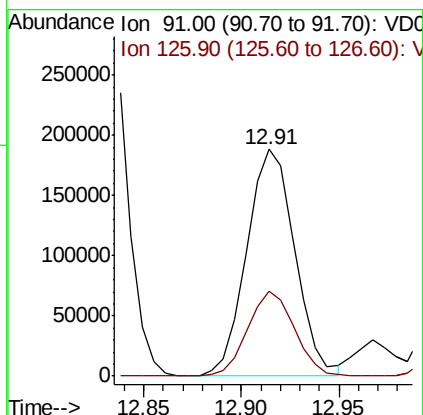
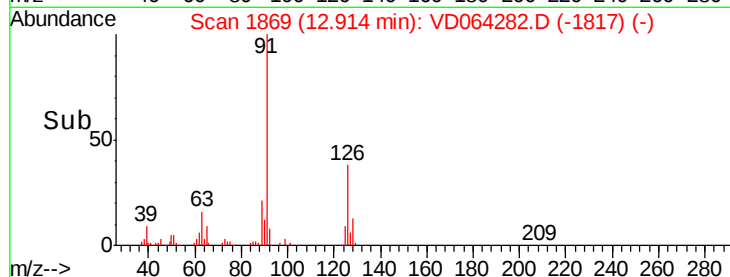
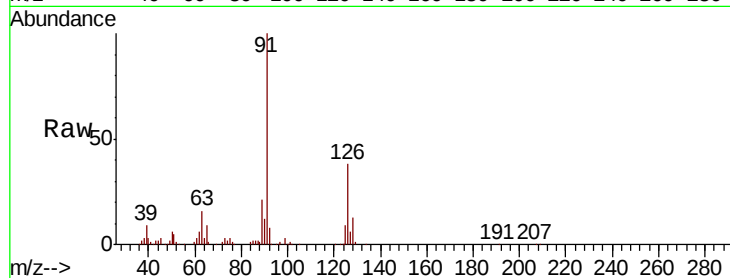




#79
2-Chlorotoluene
Concen: 19.488 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

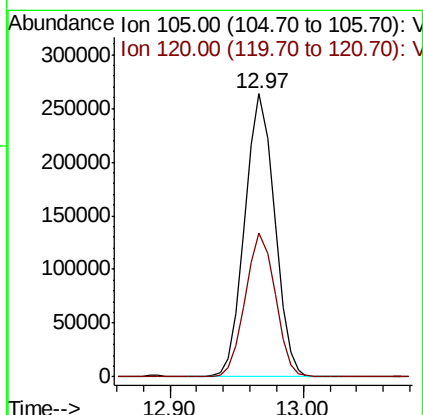
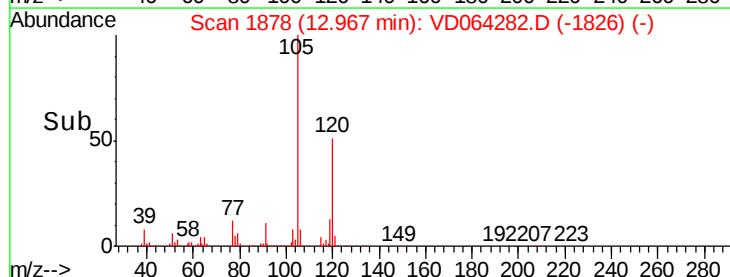
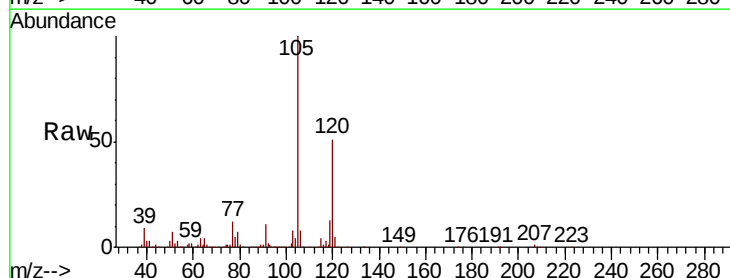
Instrument :
MSVOA_D
ClientSampled :

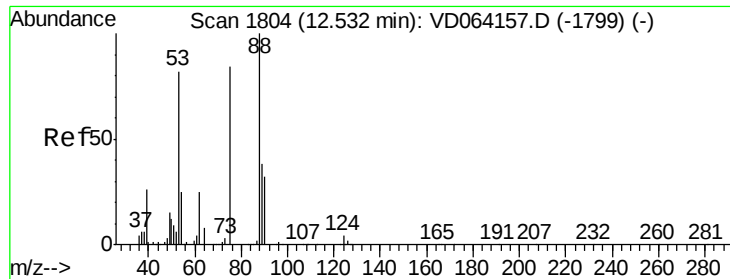
Tot Ion: 91 Resp: 321833
Ion Ratio Lower Upper
91 100
126 36.4 17.7 53.1



#80
1,3,5-Trimethylbenzene
Concen: 19.404 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.01 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

Tgt Ion: 105 Resp: 408214
Ion Ratio Lower Upper
105 100
120 50.9 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 17.203 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064282.D

Acq: 19 Nov 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

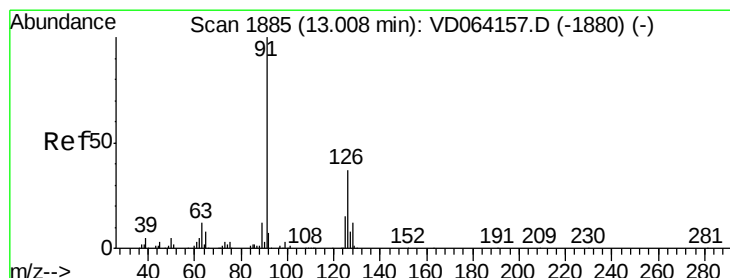
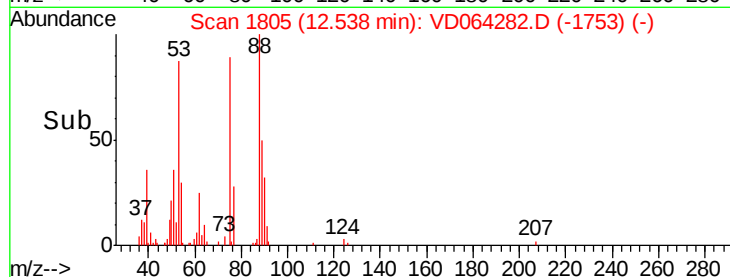
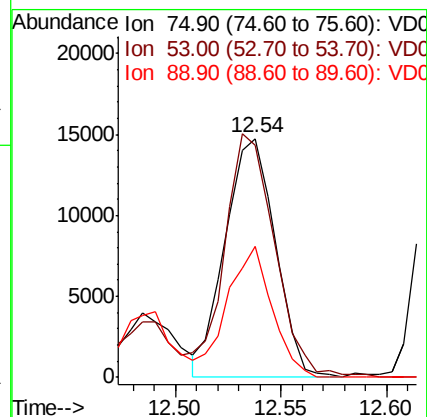
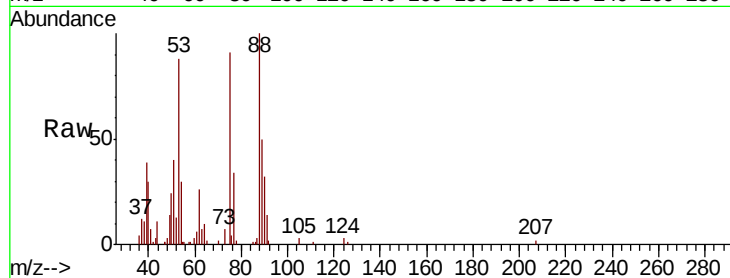
Tot Ion: 75 Resp: 24332

Ion Ratio Lower Upper

75 100

53 103.0 79.4 119.0

89 49.2 36.6 55.0



#82

4-Chlorotoluene

Concen: 19.281 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD064282.D

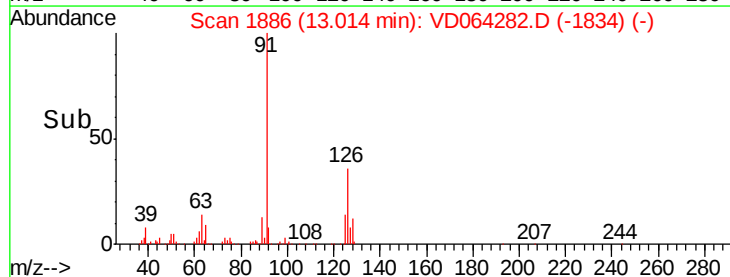
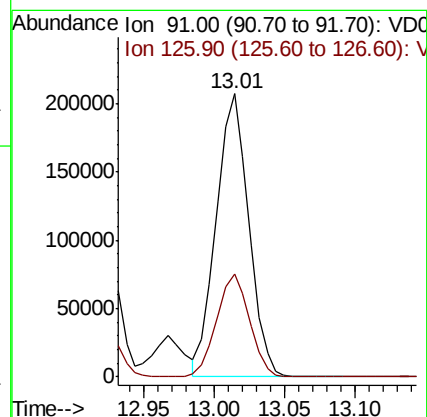
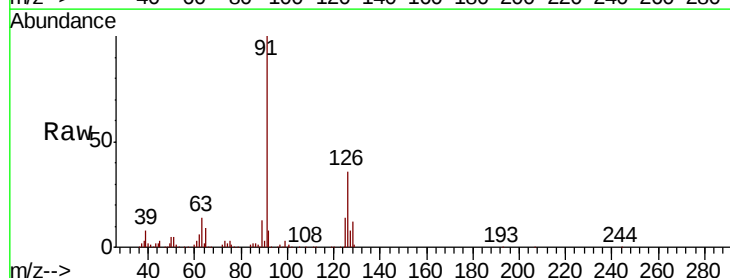
Acq: 19 Nov 2019 11:35

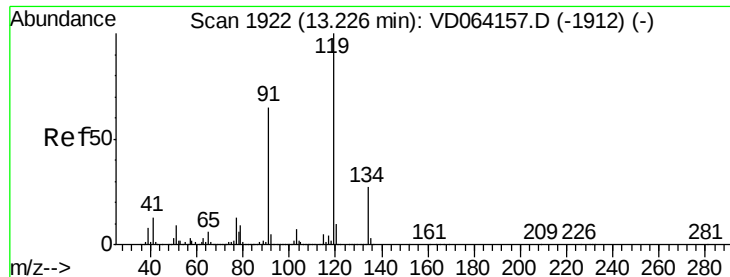
Tgt Ion: 91 Resp: 332109

Ion Ratio Lower Upper

91 100

126 36.7 17.8 53.4





#83

tert-Butylbenzene

Concen: 19.345 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.01 min

Lab File: VD064282.D

Acq: 19 Nov 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

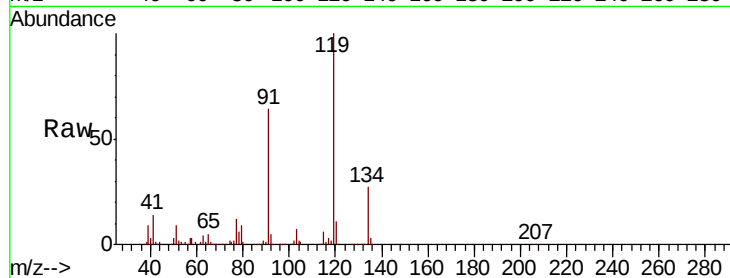
Tot Ion:119 Resp: 358846

Ion Ratio Lower Upper

119 100

91 62.7 31.8 95.4

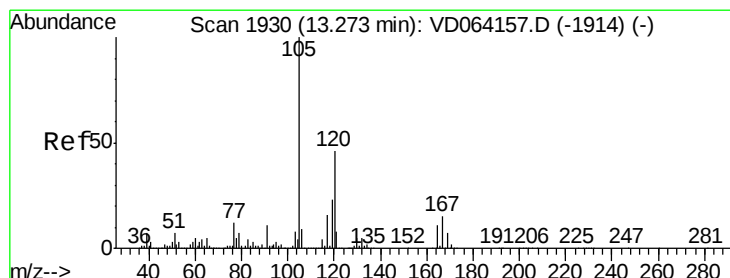
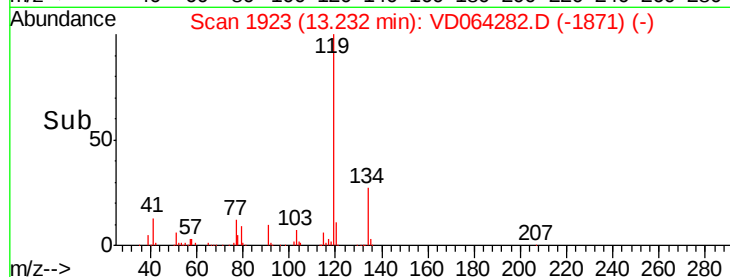
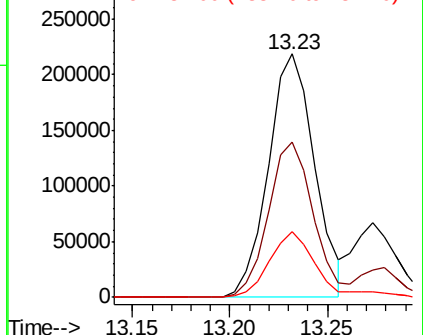
134 27.7 13.7 41.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.500 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VD064282.D

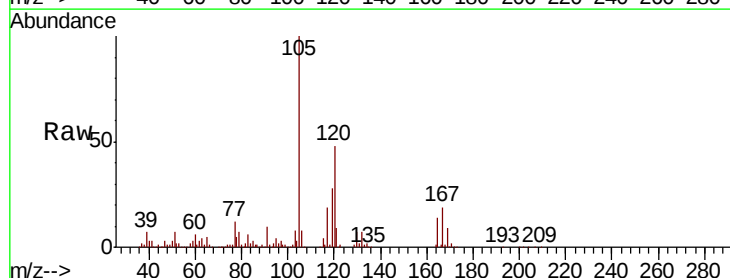
Acq: 19 Nov 2019 11:35

Tgt Ion:105 Resp: 404990

Ion Ratio Lower Upper

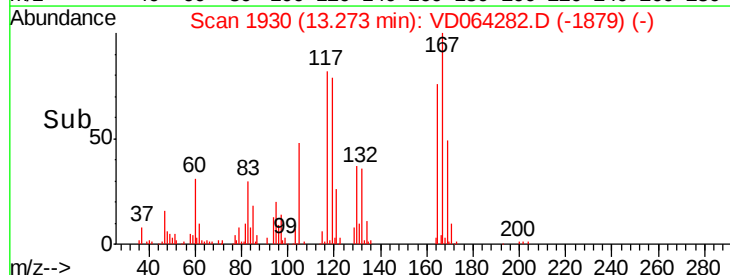
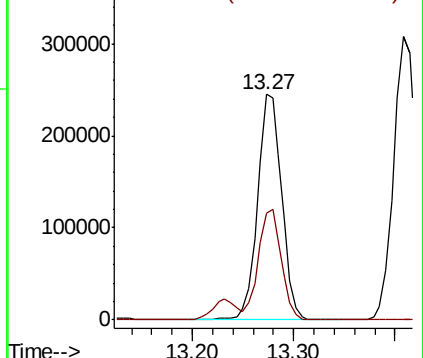
105 100

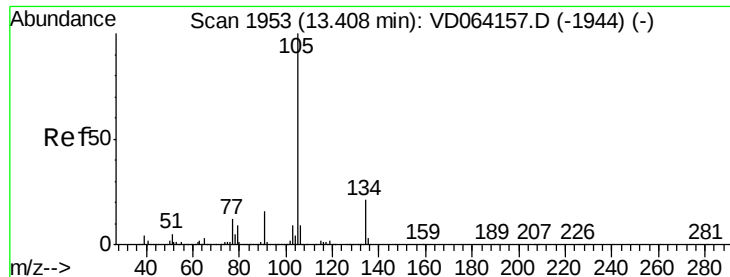
120 47.0 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.528 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064282.D

Acq: 19 Nov 2019 11:35

Instrument :

MSVOA_D

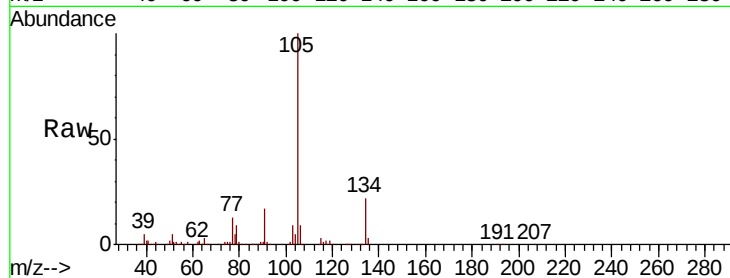
ClientSampleId :

Tot Ion:105 Resp: 486521

Ion Ratio Lower Upper

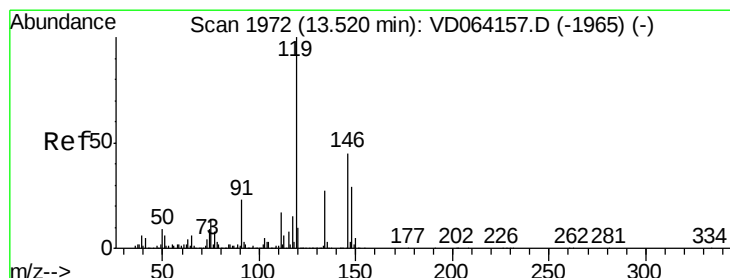
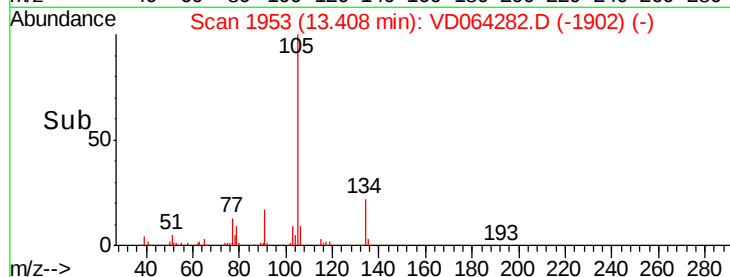
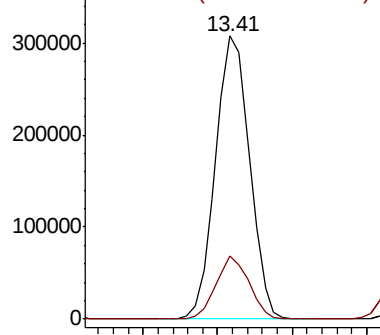
105 100

134 21.4 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.426 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD064282.D

Acq: 19 Nov 2019 11:35

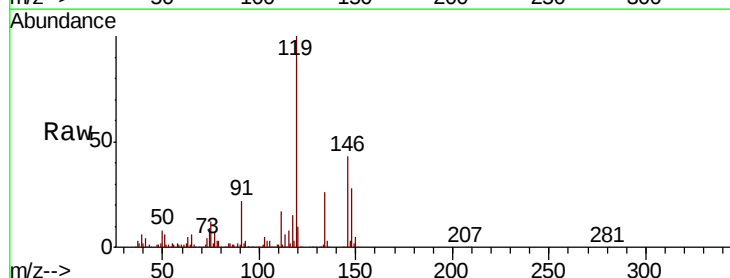
Tgt Ion:119 Resp: 460128

Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.5

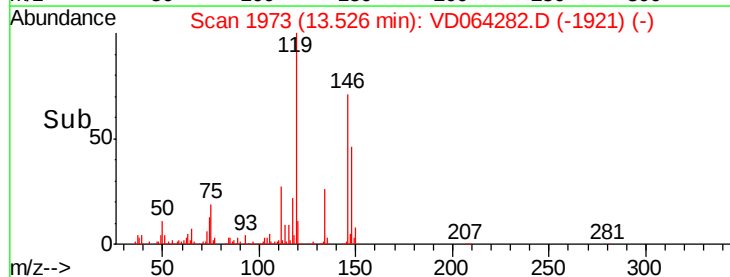
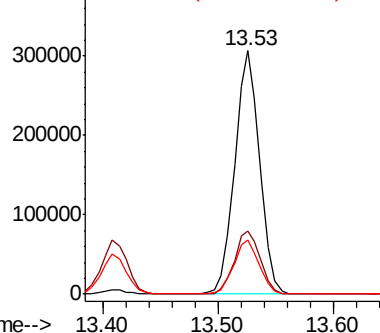
91 22.6 11.5 34.4

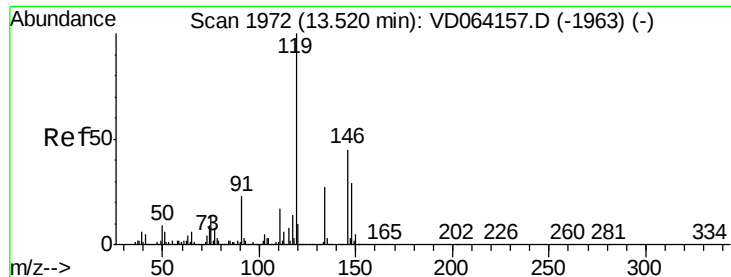


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

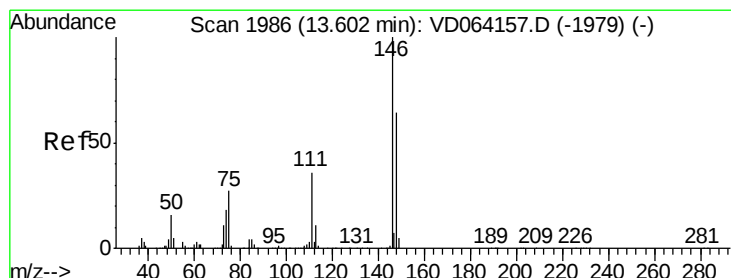
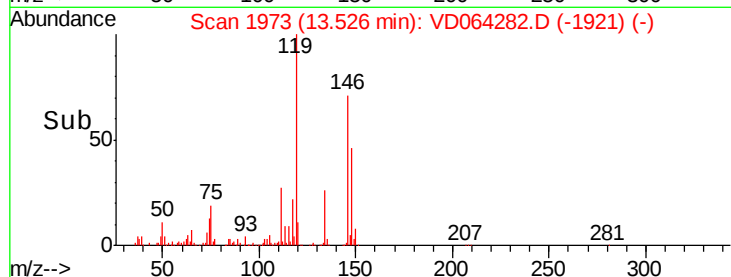
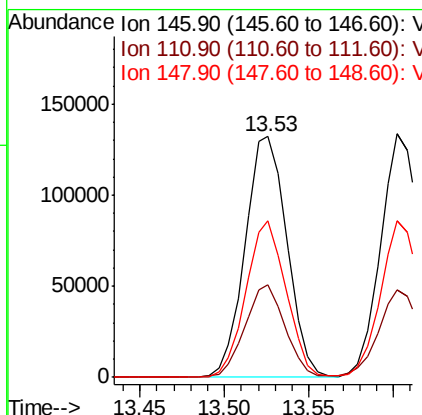
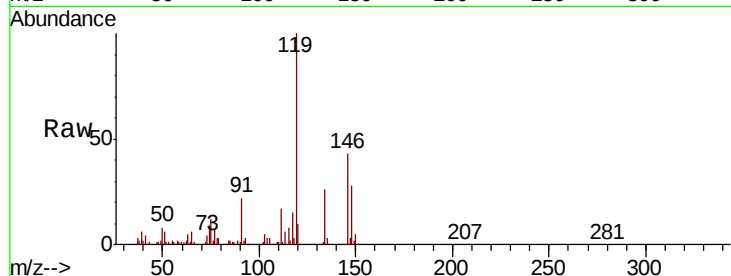




#87
 1,3-Dichlorobenzene
 Concen: 19.737 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD064282.D
 Acq: 19 Nov 2019 11:35

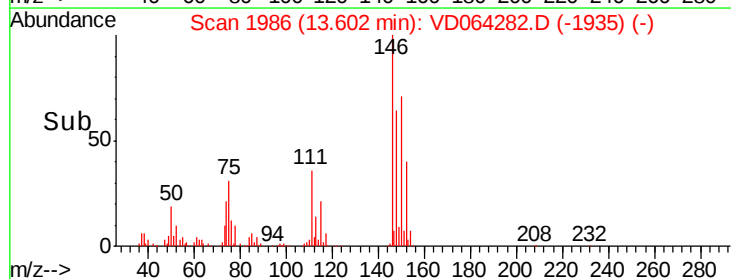
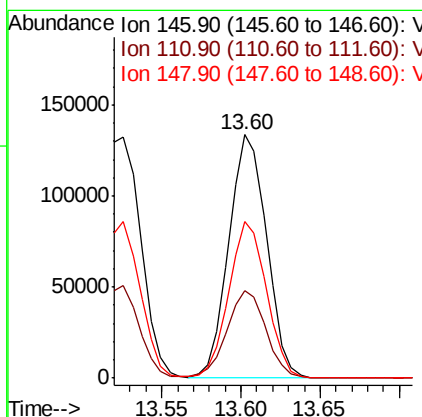
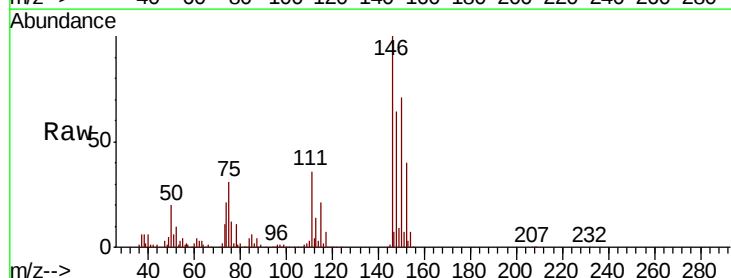
Instrument :
 MSVOA_D
 ClientSampleId :

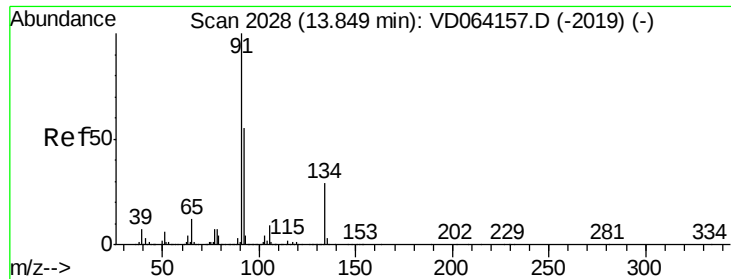
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.9	56.9
148	62.3	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 19.601 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064282.D
 Acq: 19 Nov 2019 11:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.1	54.4
148	64.1	31.9	95.7

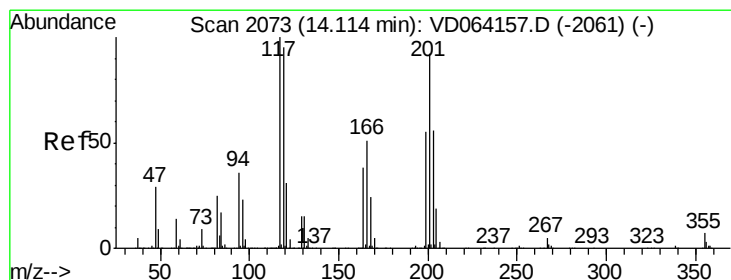
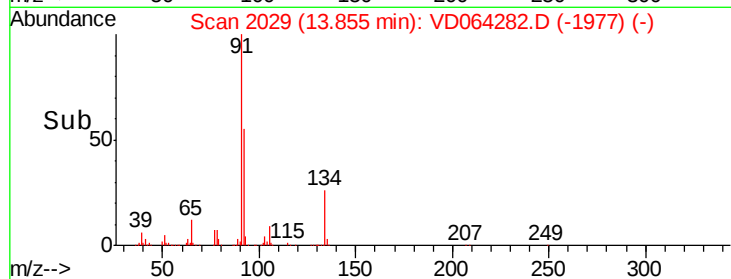
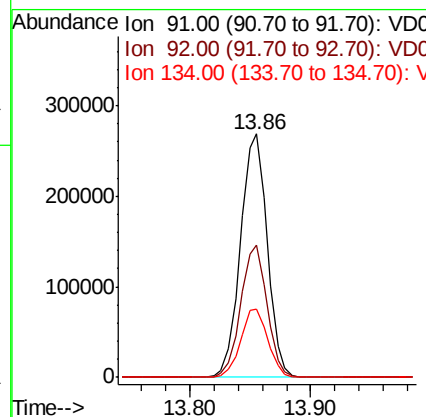
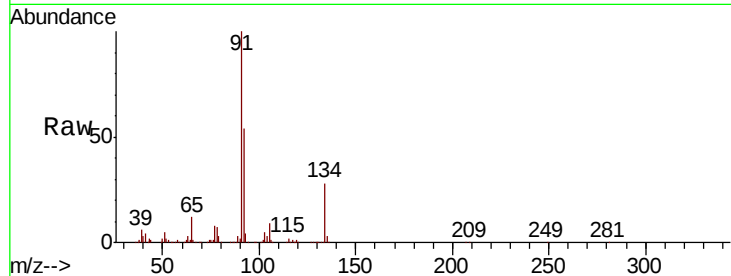




#89
n-Butylbenzene
Concen: 19.394 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

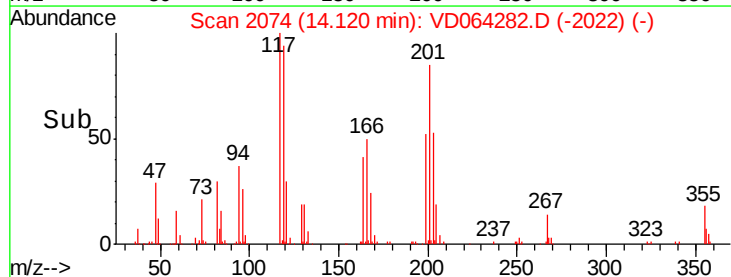
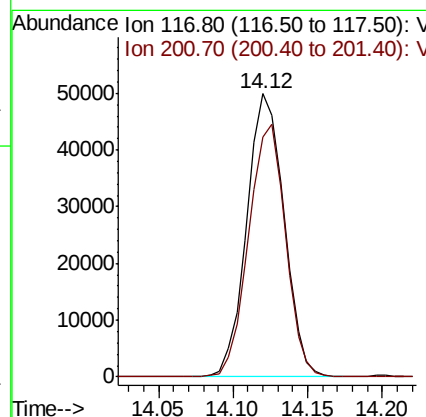
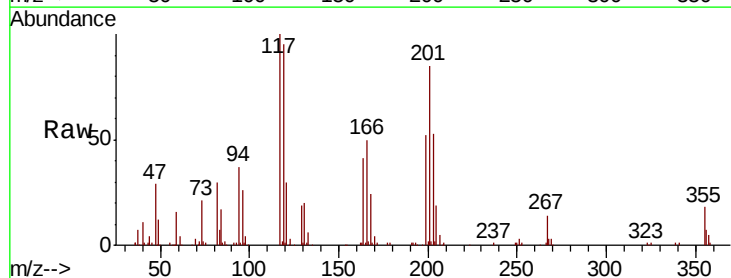
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 415009
Ion Ratio Lower Upper
91 100
92 53.5 27.3 81.8
134 28.4 14.1 42.4



#90
Hexachloroethane
Concen: 19.693 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

Tgt Ion: 117 Resp: 86203
Ion Ratio Lower Upper
117 100
201 88.3 45.8 137.4

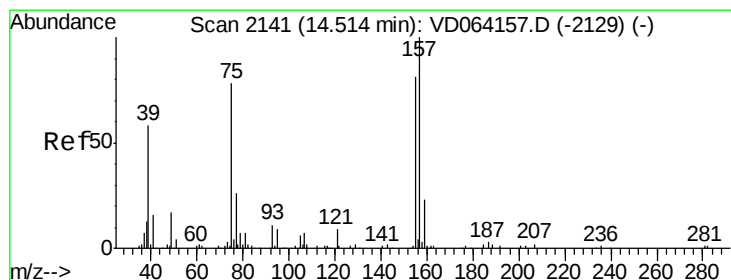
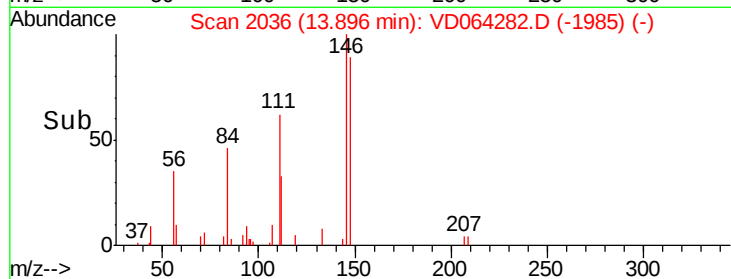
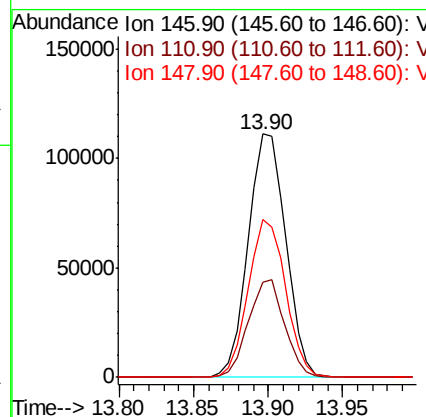
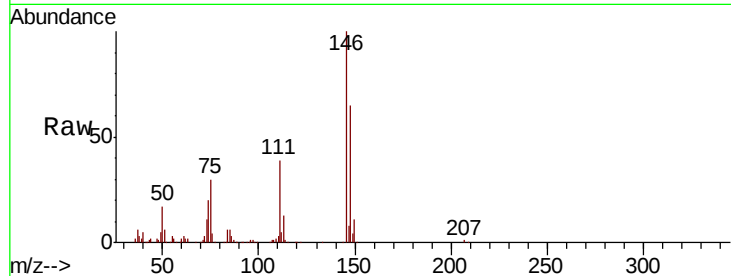




#91
 1,2-Dichlorobenzene
 Concen: 19.821 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064282.D
 Acq: 19 Nov 2019 11:35

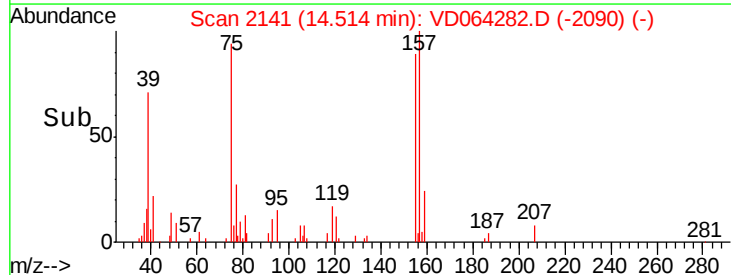
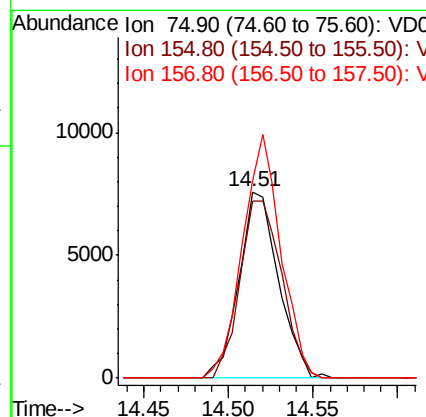
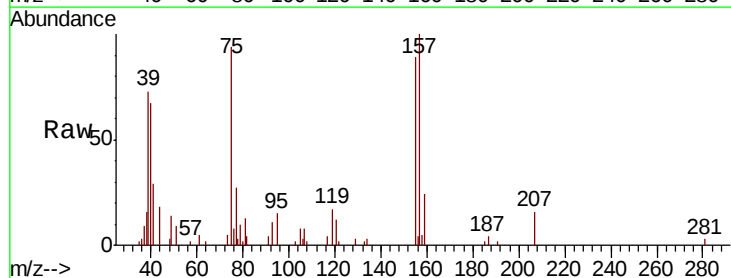
Instrument :
 MSVOA_D
 ClientSampled :

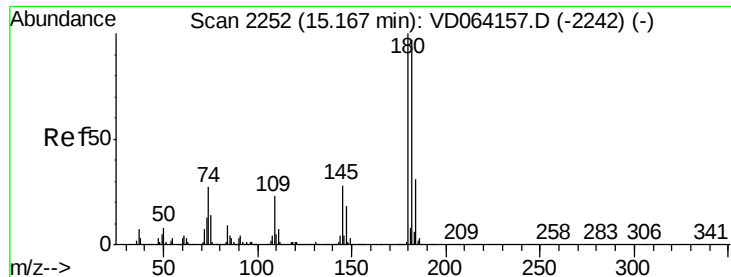
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.7	59.0
148	64.5	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.937 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD064282.D
 Acq: 19 Nov 2019 11:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.2	48.0	144.0
157	126.4	61.5	184.4

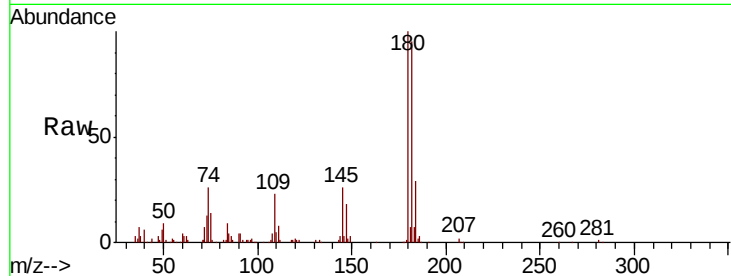




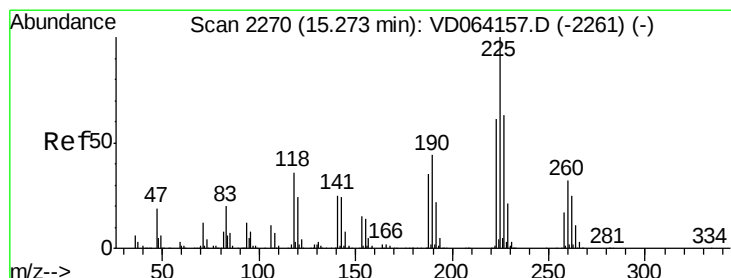
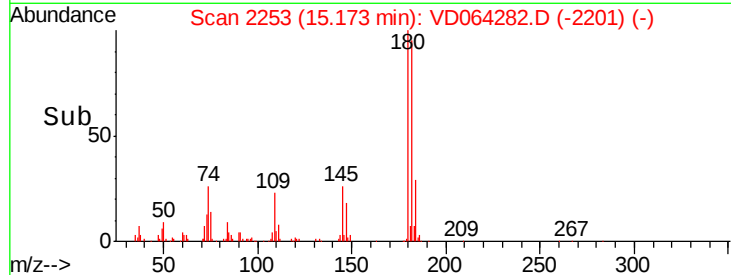
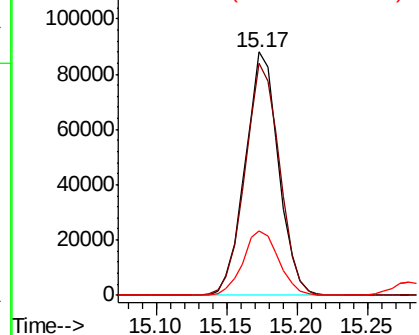
#93
 1,2,4-Trichlorobenzene
 Concen: 19.355 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064282.D
 Acq: 19 Nov 2019 11:35

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.3	47.5	142.5
145	28.2	14.2	42.6

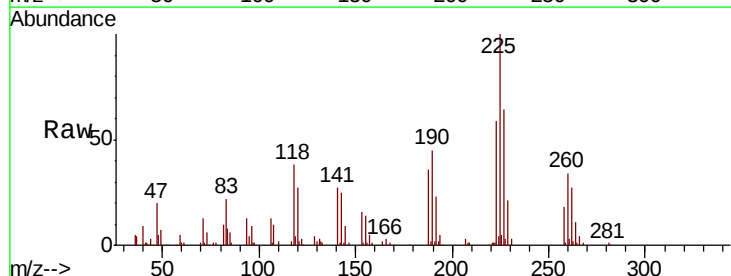


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

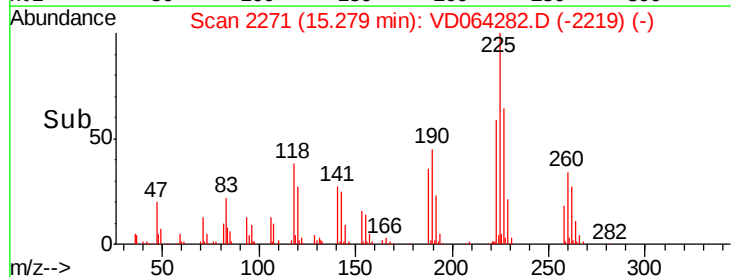
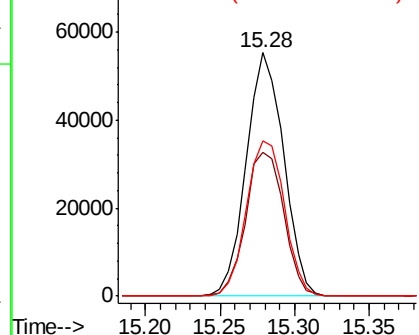


#94
 Hexachlorobutadiene
 Concen: 19.726 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064282.D
 Acq: 19 Nov 2019 11:35

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.3	31.1	93.3
227	64.9	31.5	94.5



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





#95

Naphthalene

Concen: 19.307 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD064282.D

Acq: 19 Nov 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

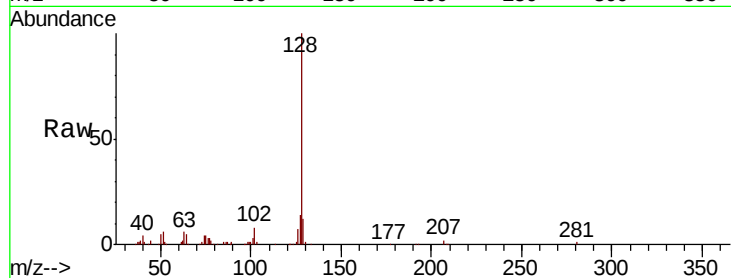
Tot Ion:128 Resp: 238583

Ion Ratio Lower Upper

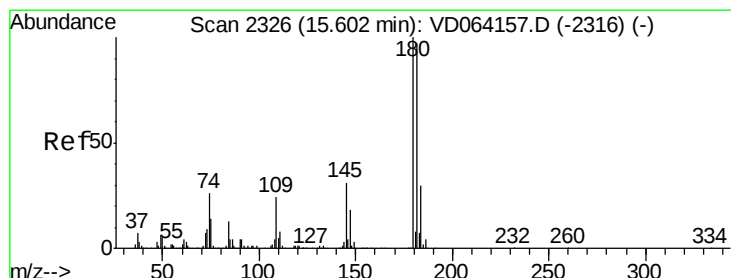
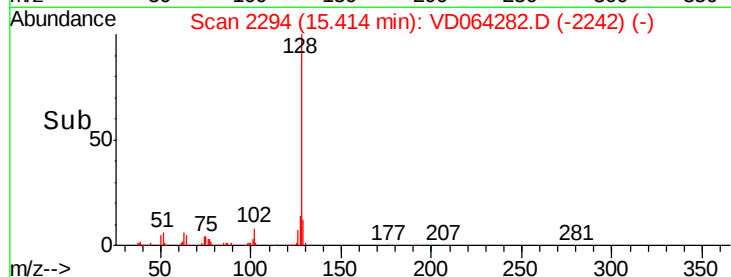
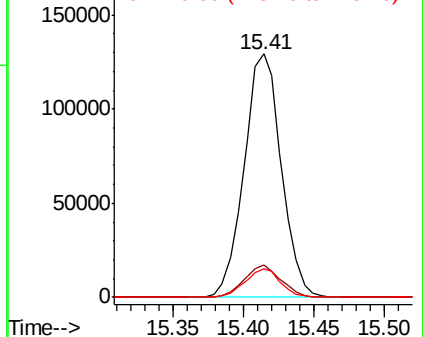
128 100

127 13.0 10.5 15.7

129 11.2 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.676 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.01 min

Lab File: VD064282.D

Acq: 19 Nov 2019 11:35

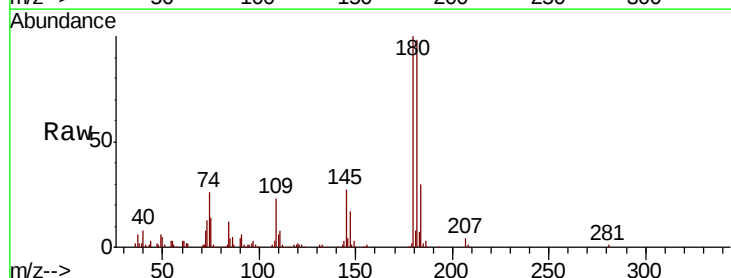
Tgt Ion:180 Resp: 126083

Ion Ratio Lower Upper

180 100

182 94.5 48.3 144.9

145 28.9 15.3 45.8



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

