

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112219\
 Data File : VD064350.D
 Acq On : 22 Nov 2019 17:20
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 22 23:33:35 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	488619	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	711392	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	624873	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	318847	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	194459	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	
35) Dibromofluoromethane	7.92	113	200129	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	
50) Toluene-d8	10.34	98	729881	47.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.76%	
62) 4-Bromofluorobenzene	12.64	95	241934	45.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.70%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	150386	37.110	ug/l	99
3) Chloromethane	2.21	50	202774	46.649	ug/l	98
4) Vinyl Chloride	2.35	62	250874	53.971	ug/l	99
5) Bromomethane	2.77	94	181718	61.910	ug/l	99
6) Chloroethane	2.92	64	182661	61.498	ug/l	98
7) Trichlorofluoromethane	3.27	101	456314	60.549	ug/l	99
8) Diethyl Ether	3.71	74	106923	51.599	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	208501	48.405	ug/l	98
10) Methyl Iodide	4.29	142	231096	47.121	ug/l	98
11) Tert butyl alcohol	5.26	59	68979	245.755	ug/l	97
12) 1,1-Dichloroethene	4.06	96	196282	47.807	ug/l	96
13) Acrolein	3.93	56	69337	292.007	ug/l	98
14) Allyl chloride	4.71	41	327216	45.075	ug/l	95
15) Acrylonitrile	5.43	53	236887	268.154	ug/l	100
16) Acetone	4.17	43	202168	212.359	ug/l	100
17) Carbon Disulfide	4.40	76	549363	42.965	ug/l	99
18) Methyl Acetate	4.73	43	137222	51.607	ug/l	95
19) Methyl tert-butyl Ether	5.48	73	504595	51.481	ug/l	96
20) Methylene Chloride	4.96	84	232975	48.446	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	229381	49.311	ug/l	91
22) Diisopropyl ether	6.37	45	681232	50.577	ug/l	99
23) Vinyl Acetate	6.31	43	1969035	262.257	ug/l	97
24) 1,1-Dichloroethane	6.27	63	392777	50.223	ug/l	100
25) 2-Butanone	7.22	43	304621	247.671	ug/l	95
26) 2,2-Dichloropropane	7.21	77	352699	45.987	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	263126	52.747	ug/l	94
28) Bromochloromethane	7.55	49	158711	58.291	ug/l	99
29) Tetrahydrofuran	7.57	42	193142	261.364	ug/l	96
30) Chloroform	7.71	83	424805	53.103	ug/l	99
31) Cyclohexane	7.98	56	339569	43.053	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	375243	48.988	ug/l	100
36) 1,1-Dichloropropene	8.11	75	308791	47.032	ug/l	98
37) Ethyl Acetate	7.30	43	136424	49.288	ug/l	97
38) Carbon Tetrachloride	8.10	117	341461	48.605	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	373552	44.964	ug/l	97
40) Benzene	8.35	78	896422	49.957	ug/l	97
41) Methacrylonitrile	7.53	41	93468	53.728	ug/l #	92
42) 1,2-Dichloroethane	8.43	62	270813	50.251	ug/l	99
43) Isopropyl Acetate	8.46	43	276226	48.436	ug/l	97
44) Trichloroethene	9.11	130	266962	49.571	ug/l	97
45) 1,2-Dichloropropane	9.39	63	219680	50.299	ug/l	97
46) Dibromomethane	9.48	93	125251	53.568	ug/l	98
47) Bromodichloromethane	9.66	83	327048	51.928	ug/l	98
48) Methyl methacrylate	9.46	41	132027	47.345	ug/l	93
49) 1,4-Dioxane	9.47	88	30075	1071.006	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	691910	253.001	ug/l	99
52) Toluene	10.41	92	582300	49.351	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	313853	49.742	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	370900	50.374	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	170850	53.864	ug/l	97
56) Ethyl methacrylate	10.66	69	223069	50.274	ug/l	95
57) 1,3-Dichloropropane	10.95	76	295377	53.397	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	456455	253.963	ug/l	100
59) 2-Hexanone	10.99	43	465939	239.475	ug/l	97
60) Dibromochloromethane	11.14	129	235709	53.256	ug/l	99
61) 1,2-Dibromoethane	11.25	107	170132	53.552	ug/l	98
64) Tetrachloroethene	10.88	164	226559	47.142	ug/l	97
65) Chlorobenzene	11.67	112	639232	50.306	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	251035	51.956	ug/l	98
67) Ethyl Benzene	11.75	91	1133819	49.330	ug/l	98
68) m/p-Xylenes	11.86	106	874919	99.310	ug/l	98
69) o-Xylene	12.18	106	403804	49.421	ug/l	100
70) Styrene	12.20	104	711181	49.863	ug/l	98
71) Bromoform	12.37	173	144806	52.662	ug/l #	100
73) Isopropylbenzene	12.48	105	1091594	46.643	ug/l	100
74) N-amyl acetate	12.29	43	251650	45.534	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	184477	52.312	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	236710	92.169	ug/l #	100
77) Bromobenzene	12.77	156	281069	49.435	ug/l	97
78) n-propylbenzene	12.83	91	1256564	46.994	ug/l	99
79) 2-Chlorotoluene	12.91	91	695720	46.086	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	903105	46.962	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	59341	45.897	ug/l	99
82) 4-Chlorotoluene	13.01	91	735156	46.690	ug/l	98
83) tert-Butylbenzene	13.23	119	786319	46.371	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	913476	48.114	ug/l	100
85) sec-Butylbenzene	13.41	105	1063490	46.696	ug/l	100
86) p-Isopropyltoluene	13.53	119	1010313	46.661	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	524474	49.693	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	509955	49.506	ug/l	99
89) n-Butylbenzene	13.86	91	919583	47.010	ug/l	99
90) Hexachloroethane	14.12	117	188789	47.180	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	448328	50.187	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	28674	45.478	ug/l	92

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Quant Title : SW846 8260
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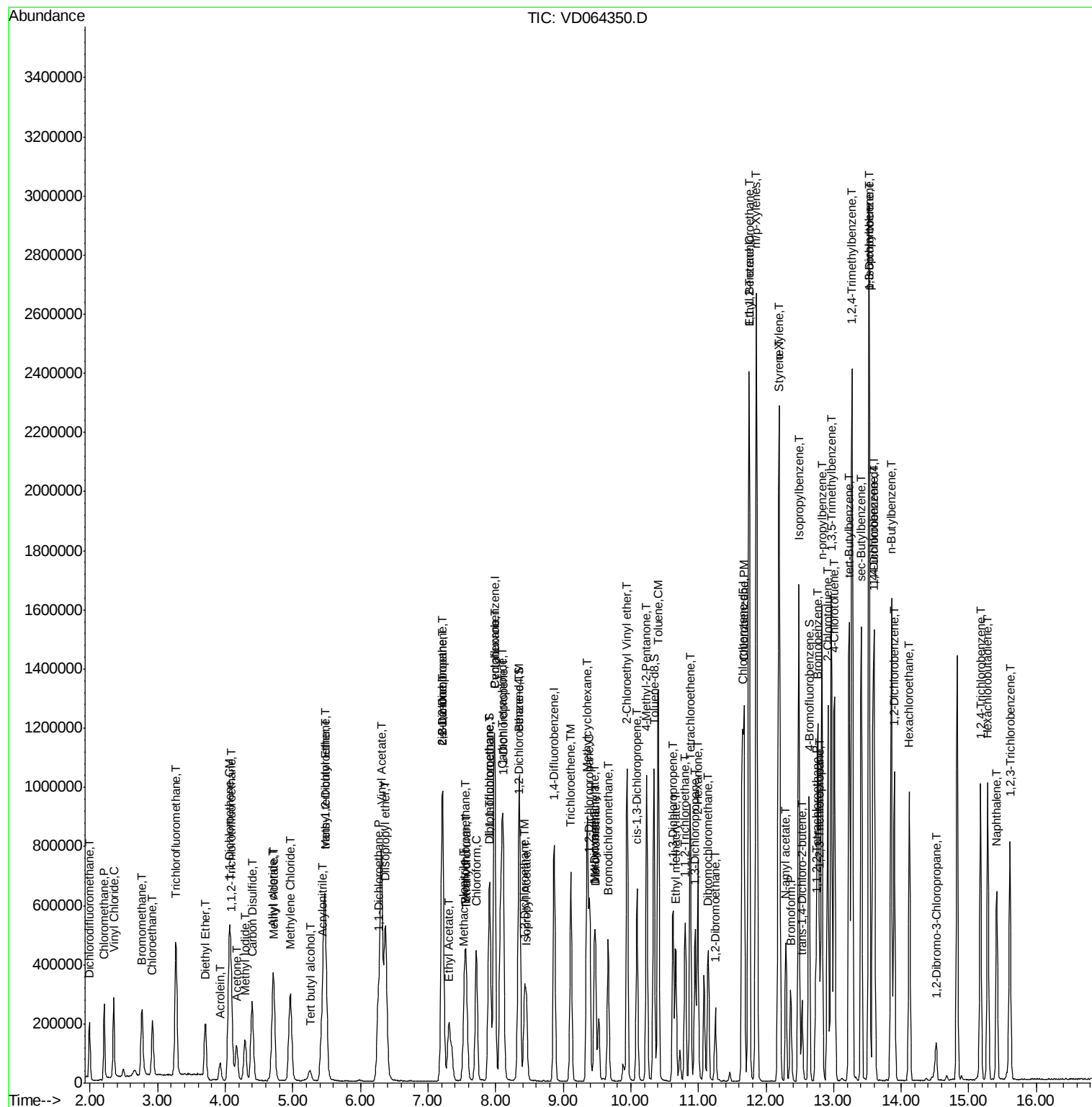
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	347484	50.425	ug/l	100
94) Hexachlorobutadiene	15.28	225	211614	47.543	ug/l	99
95) Naphthalene	15.41	128	576987	51.078	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	300952	51.377	ug/l	98

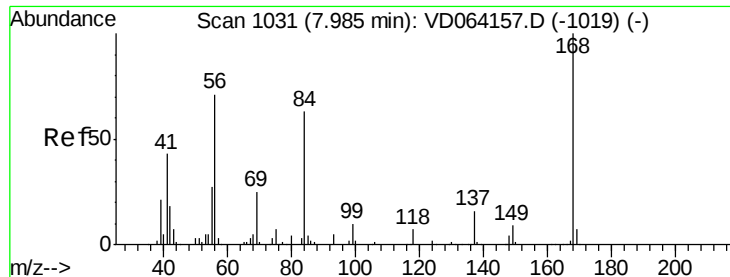
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

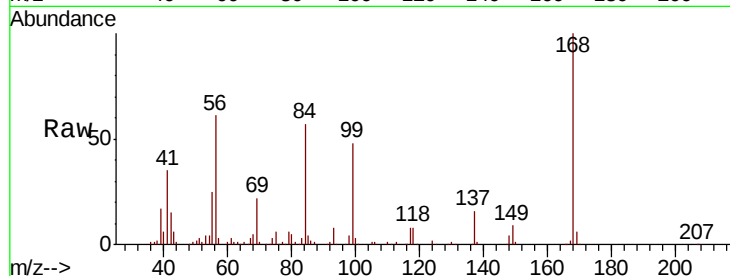
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 488619

Ion Ratio Lower Upper

168 100

99 47.8 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

100000

50000

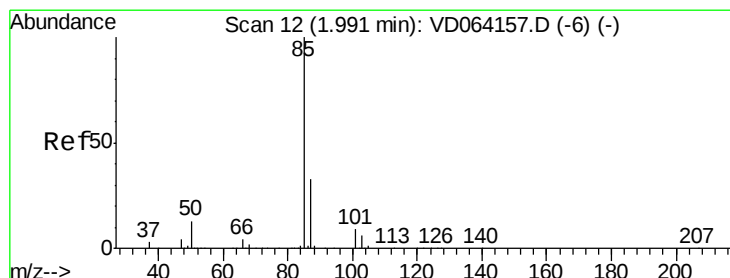
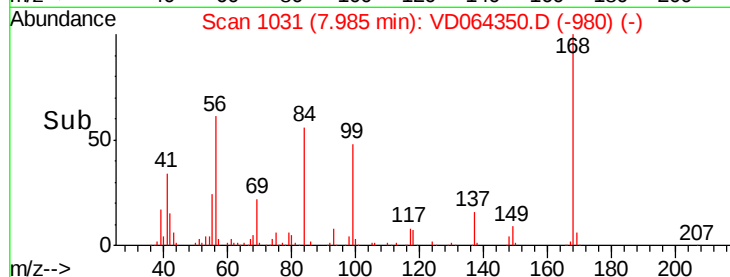
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 37.110 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064350.D

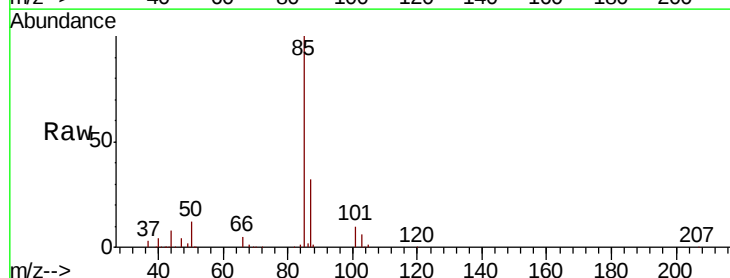
Acq: 22 Nov 2019 17:20

Tgt Ion: 85 Resp: 150386

Ion Ratio Lower Upper

85 100

87 32.1 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

120000

100000

80000

60000

40000

20000

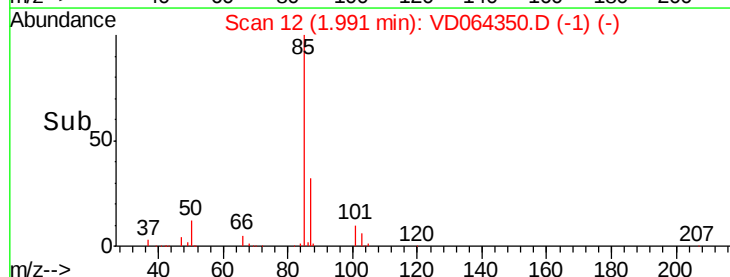
0

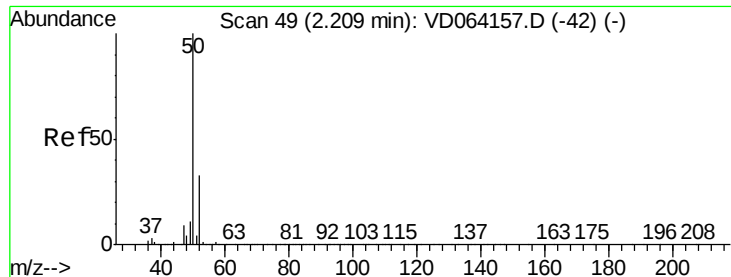
1.95

2.00

2.05

Time-->

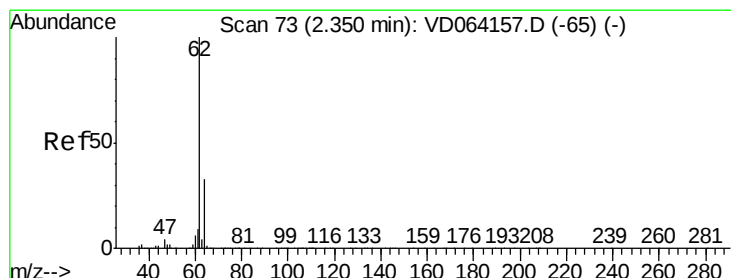
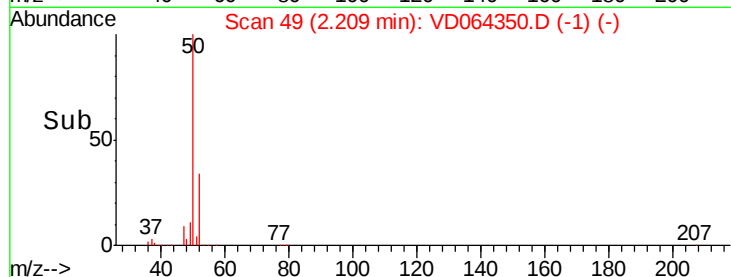
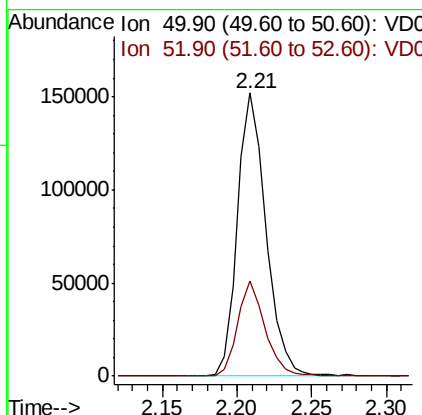
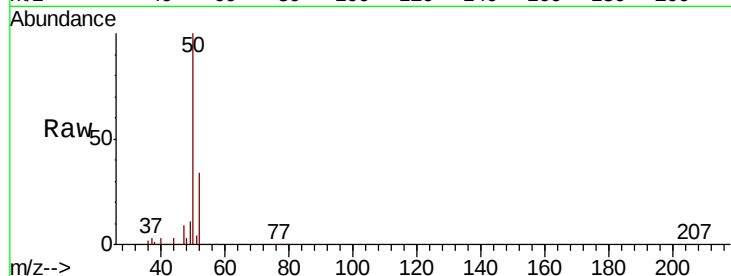




#3
Chloromethane
Concen: 46.649 ug/l
RT: 2.21 min Scan# 49
Delta R.T. 0.00 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

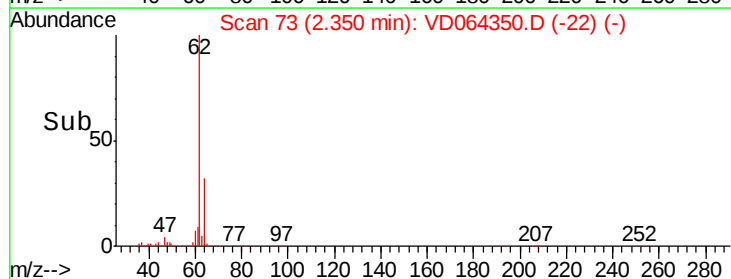
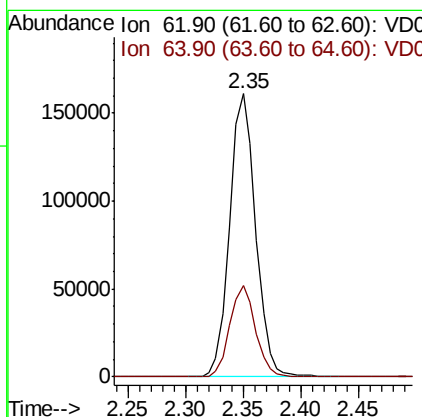
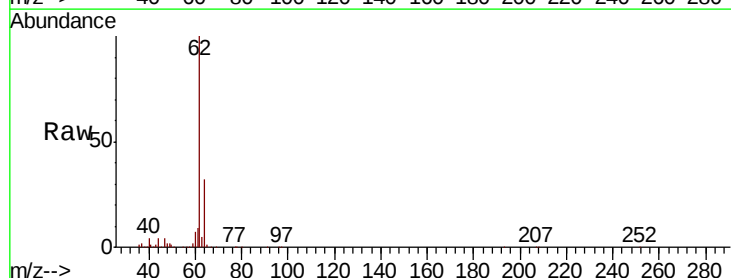
Instrument :
MSVOA_D
ClientSampleId :

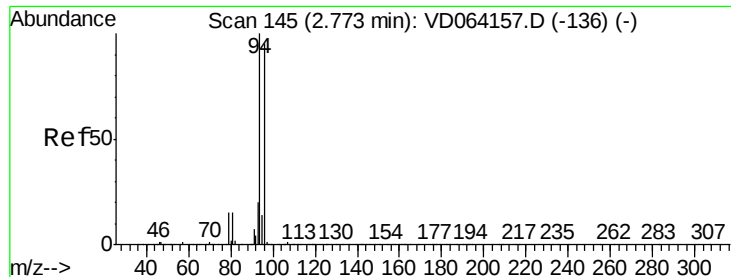
Tot Ion: 50 Resp: 202774
Ion Ratio Lower Upper
50 100
52 33.7 26.2 39.4



#4
Vinyl Chloride
Concen: 53.971 ug/l
RT: 2.35 min Scan# 73
Delta R.T. -0.00 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

Tgt Ion: 62 Resp: 250874
Ion Ratio Lower Upper
62 100
64 32.1 26.2 39.2





#5

Bromomethane

Concen: 61.910 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

Instrument :

MSVOA_D

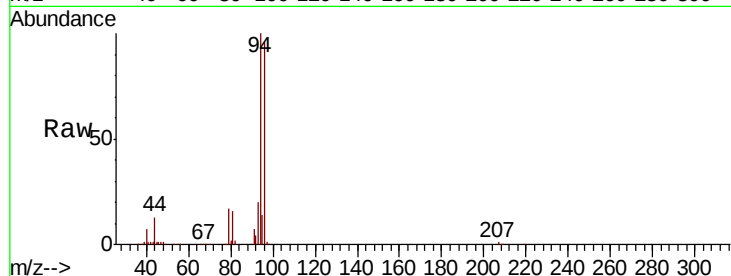
ClientSampleId :

Tot Ion: 94 Resp: 181718

Ion Ratio Lower Upper

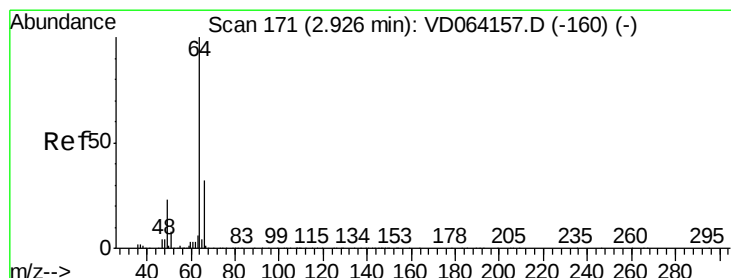
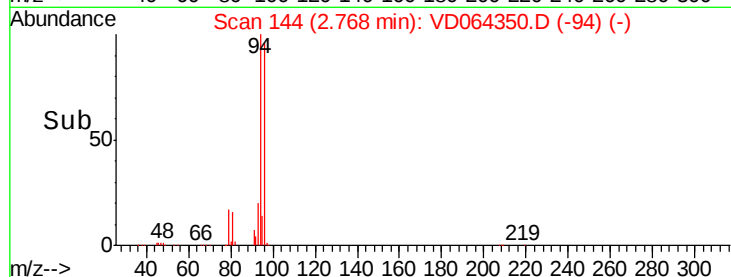
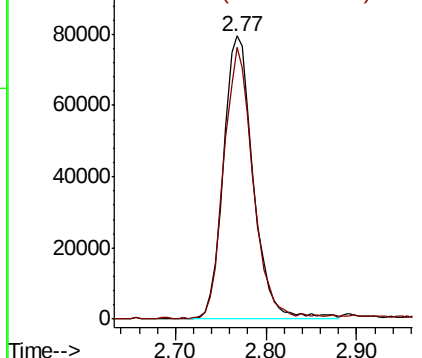
94 100

96 95.8 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: 61.498 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064350.D

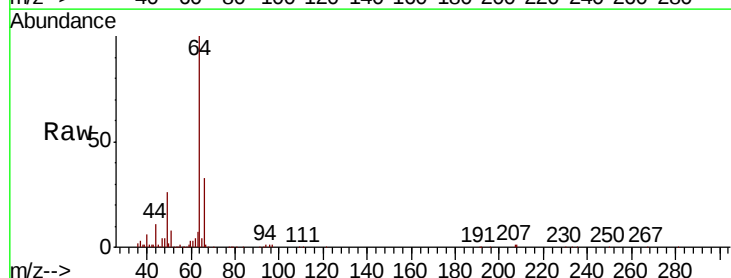
Acq: 22 Nov 2019 17:20

Tgt Ion: 64 Resp: 182661

Ion Ratio Lower Upper

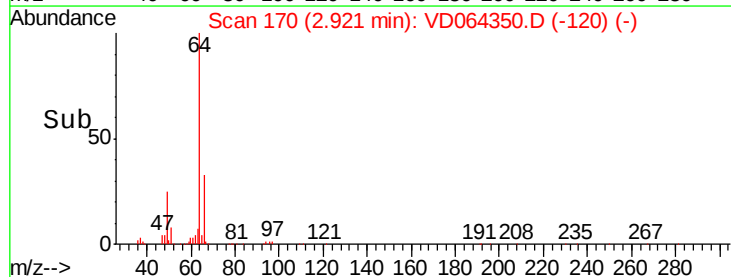
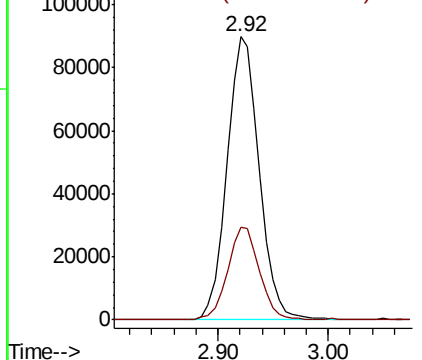
64 100

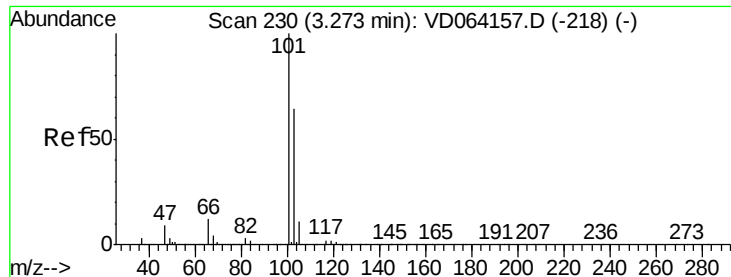
66 33.0 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



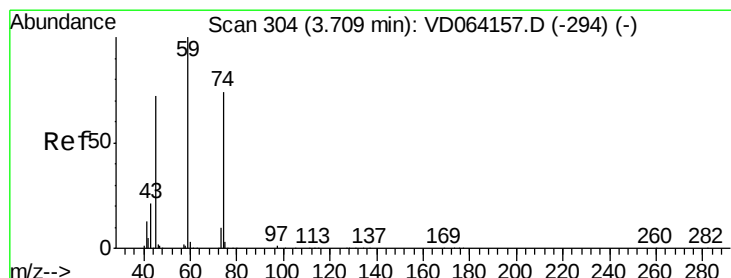
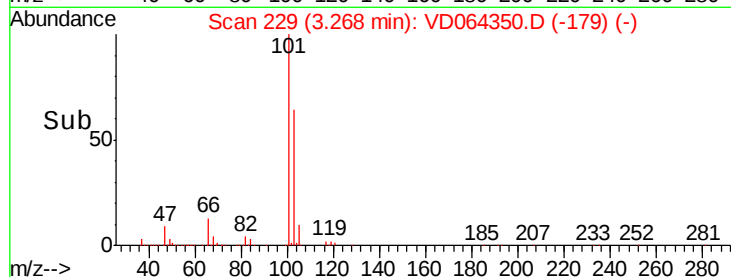
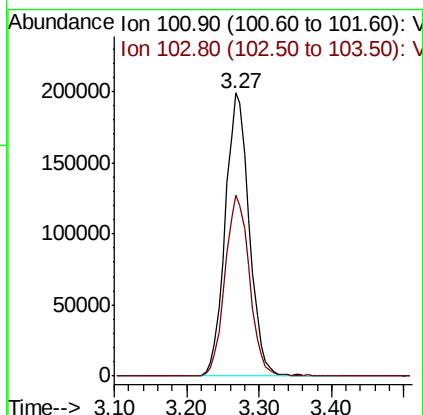
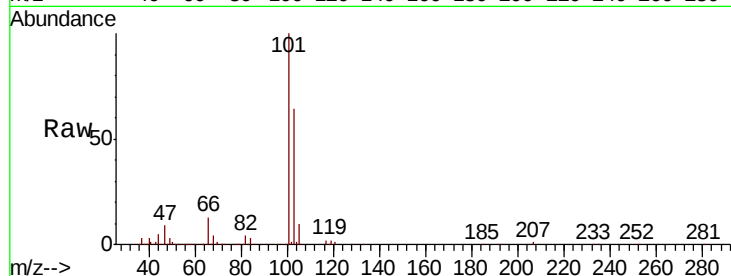


#7

Trichlorofluoromethane
Concen: 60.549 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

Instrument :
MSVOA_D
ClientSampleId :

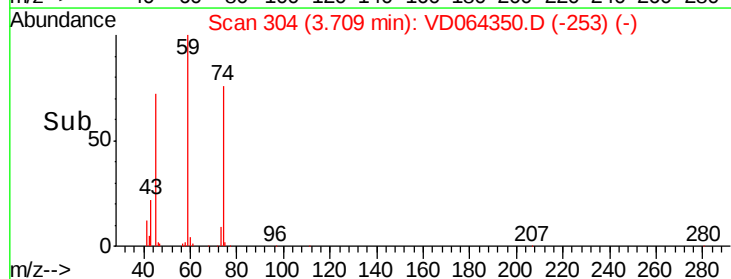
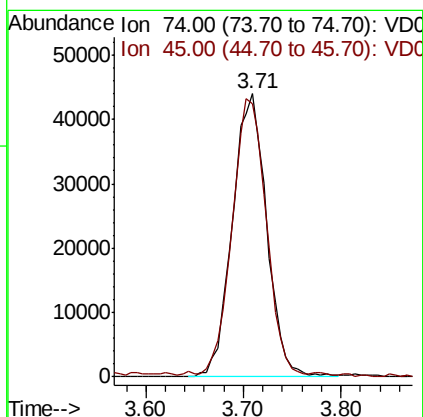
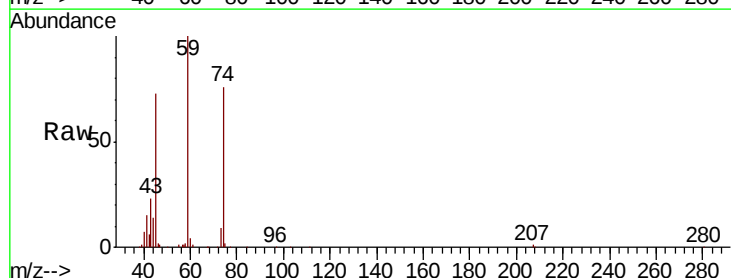
Tot Ion:101 Resp: 456314
Ion Ratio Lower Upper
101 100
103 64.0 50.8 76.2



#8

Diethyl Ether
Concen: 51.599 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

Tgt Ion: 74 Resp: 106923
Ion Ratio Lower Upper
74 100
45 96.1 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.405 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

Instrument :

MSVOA_D

ClientSampleId :

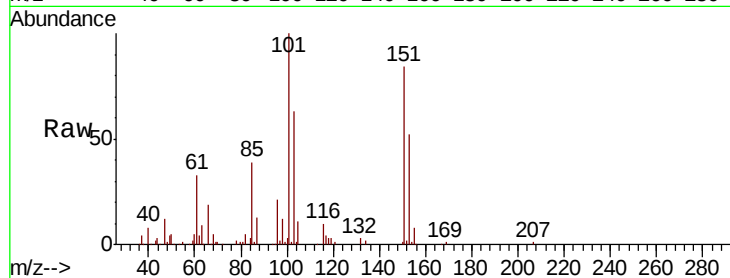
Tot Ion:101 Resp: 208501

Ion Ratio Lower Upper

101 100

85 44.6 34.4 51.6

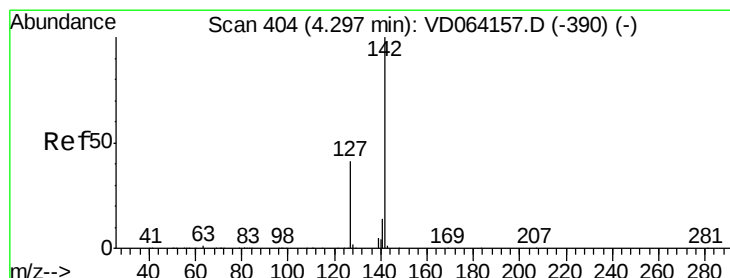
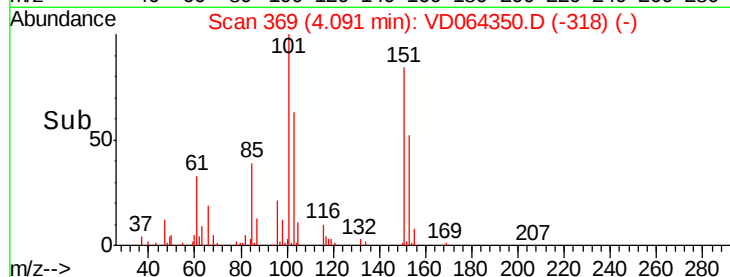
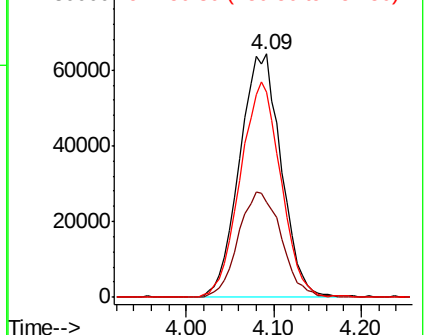
151 86.4 68.1 102.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.121 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

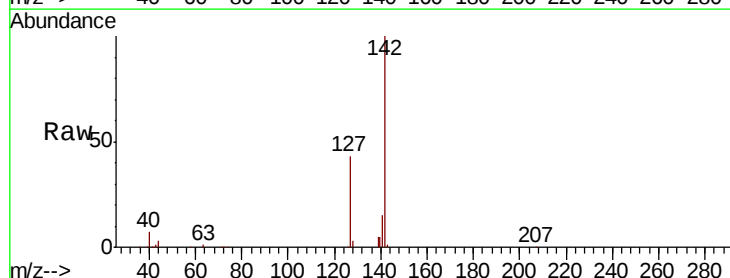
Tgt Ion:142 Resp: 231096

Ion Ratio Lower Upper

142 100

127 44.4 34.4 51.6

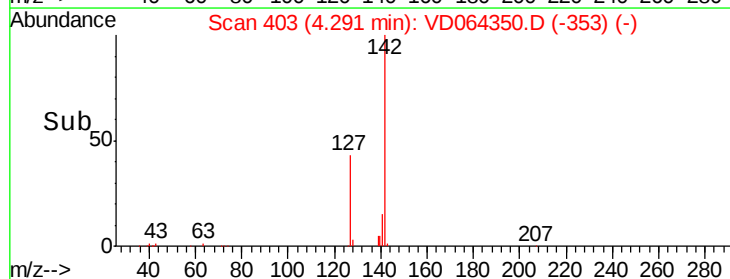
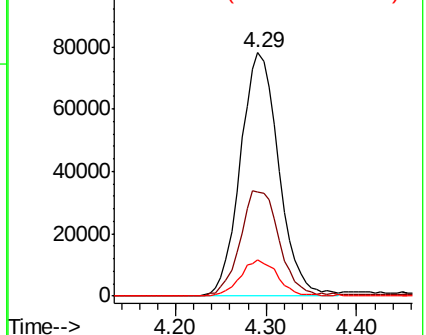
141 14.4 11.2 16.8



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



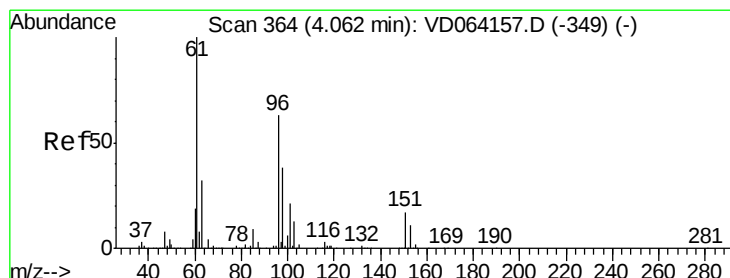
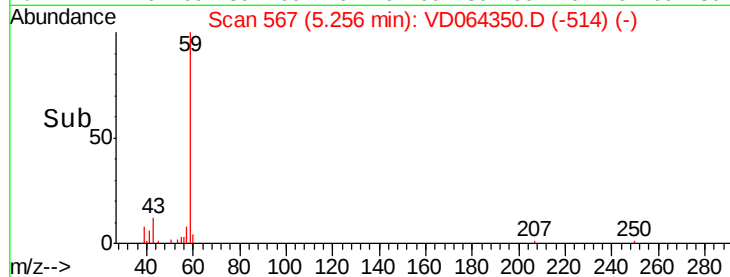
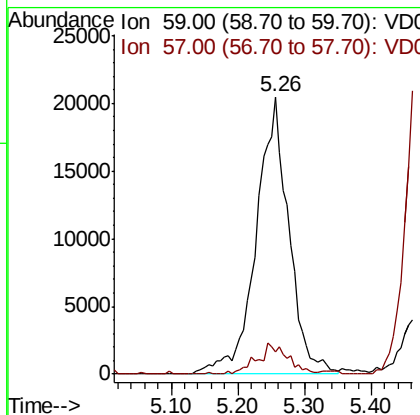
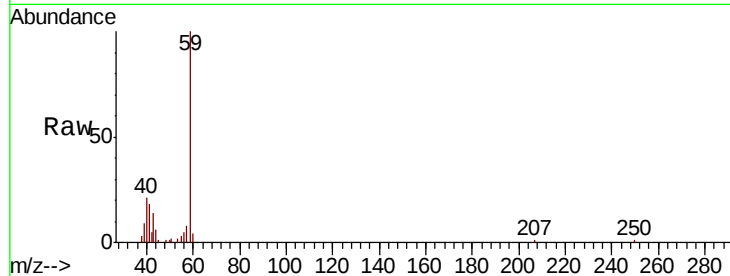


#11

Tert butyl alcohol
Concen: 245.755 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.01 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

Instrument :
MSVOA_D
ClientSampleId :

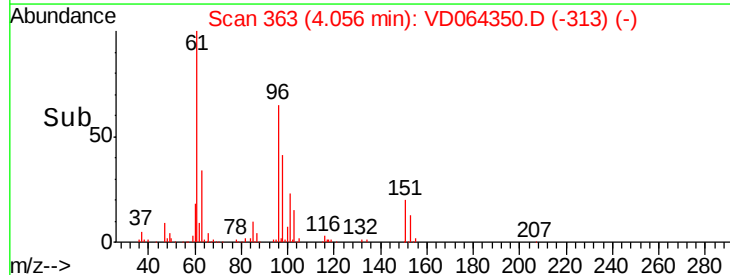
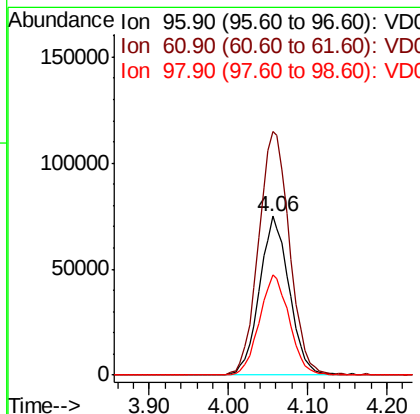
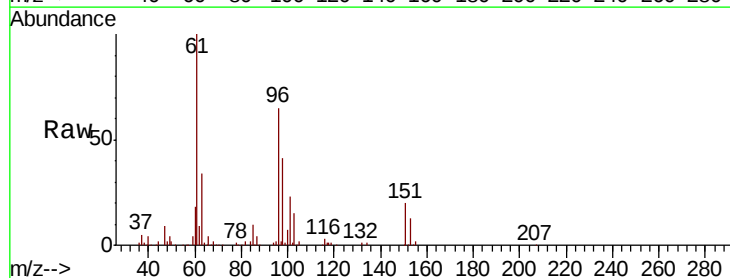
Tot Ion: 59 Resp: 68979
Ion Ratio Lower Upper
59 100
57 10.5 9.4 14.2

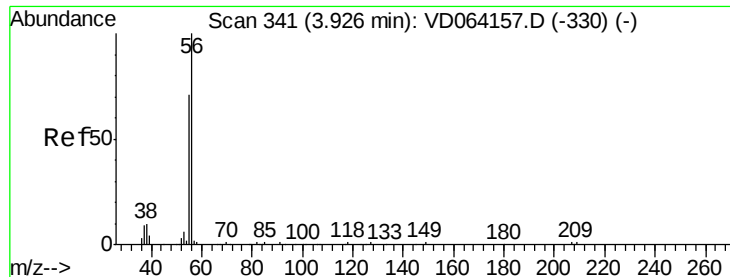


#12

1,1-Dichloroethene
Concen: 47.807 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

Tgt Ion: 96 Resp: 196282
Ion Ratio Lower Upper
96 100
61 153.4 127.4 191.2
98 62.8 48.1 72.1





#13

Acrolein

Concen: 292.007 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

Instrument :

MSVOA_D

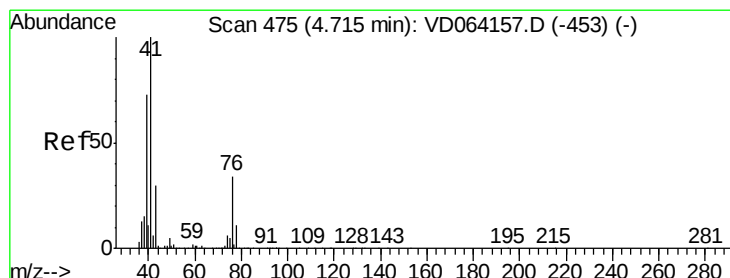
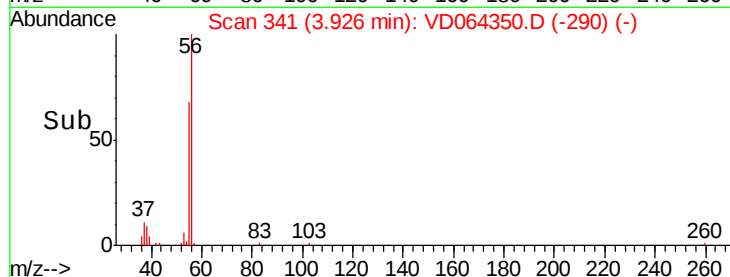
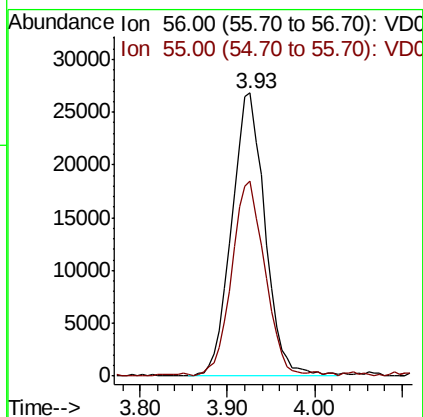
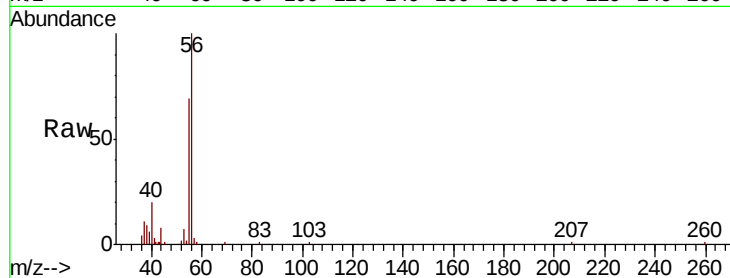
ClientSampleId :

Tot Ion: 56 Resp: 69337

Ion Ratio Lower Upper

56 100

55 68.5 56.1 84.1



#14

Allyl chloride

Concen: 45.075 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

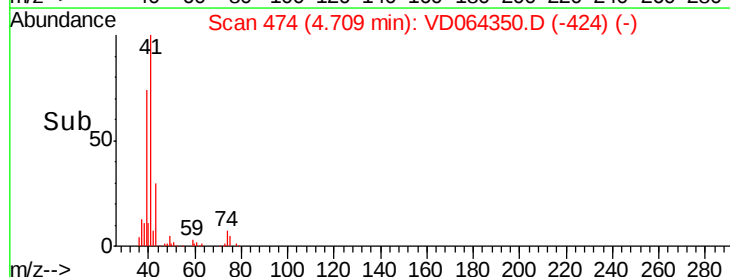
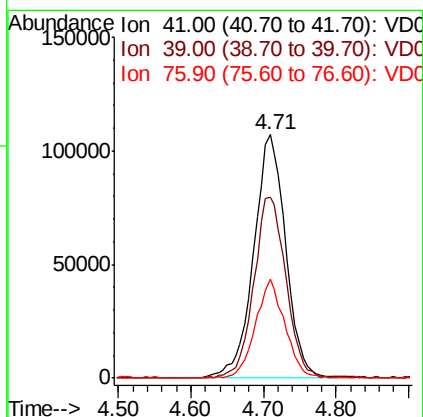
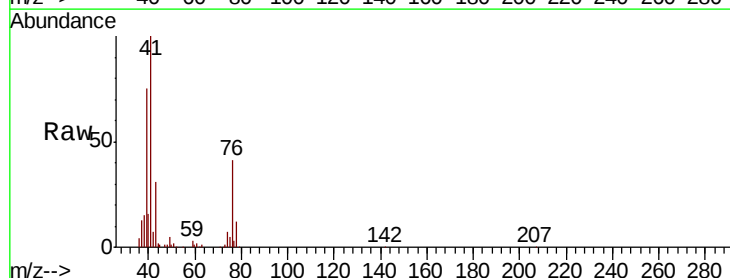
Tgt Ion: 41 Resp: 327216

Ion Ratio Lower Upper

41 100

39 75.4 57.5 86.3

76 37.1 26.8 40.2





#15

Acrylonitrile

Concen: 268.154 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

Instrument :
MSVOA_D
ClientSampleId :

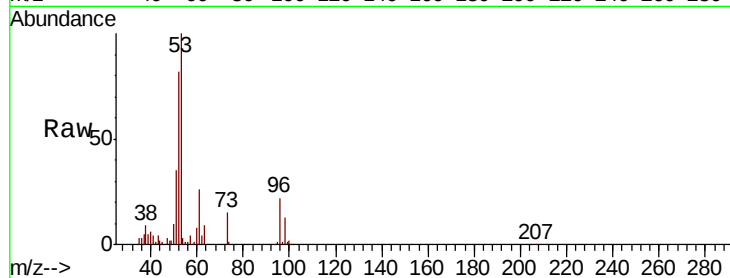
Tot Ion: 53 Resp: 236887

Ion Ratio Lower Upper

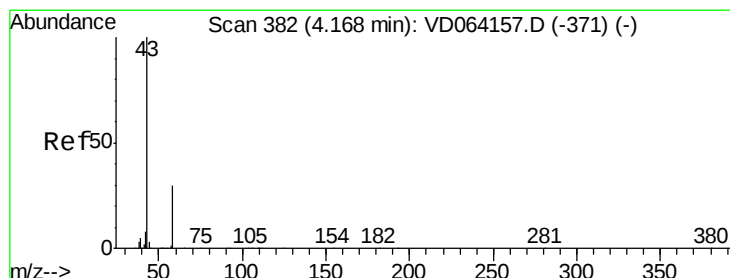
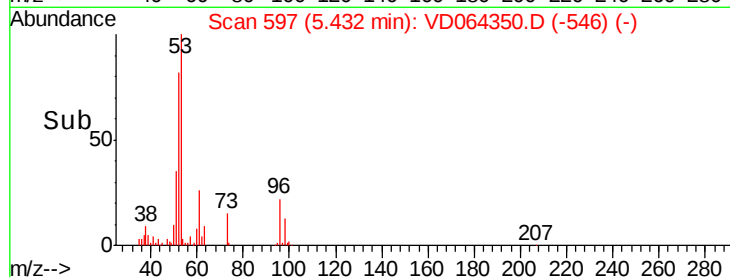
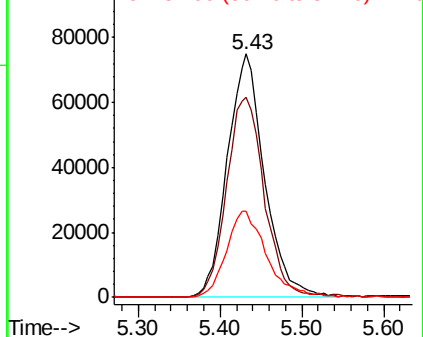
53 100

52 83.1 66.7 100.1

51 38.2 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: 212.359 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD064350.D

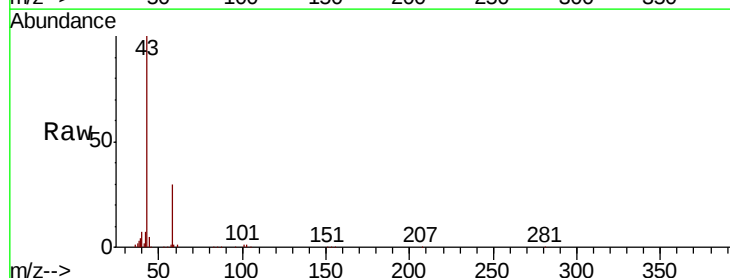
Acq: 22 Nov 2019 17:20

Tgt Ion: 43 Resp: 202168

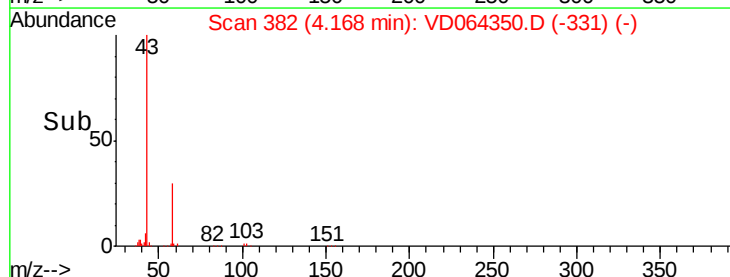
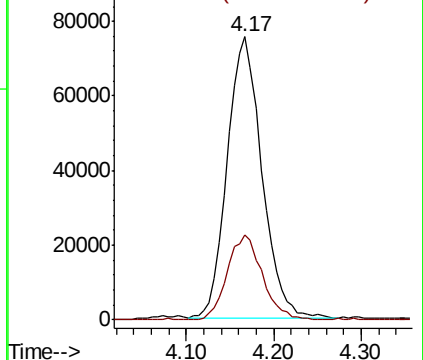
Ion Ratio Lower Upper

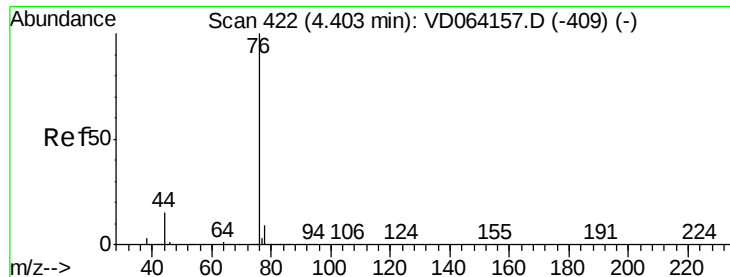
43 100

58 30.0 24.1 36.1



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

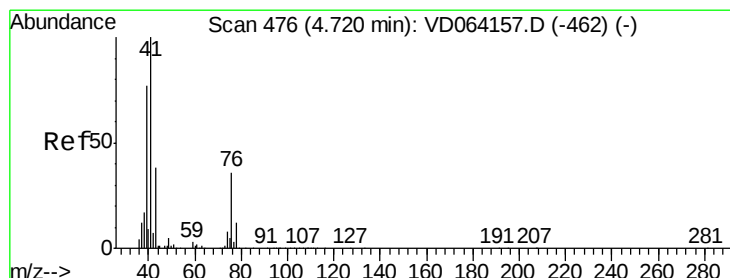
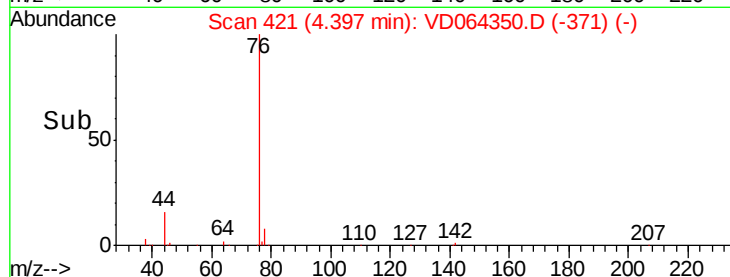
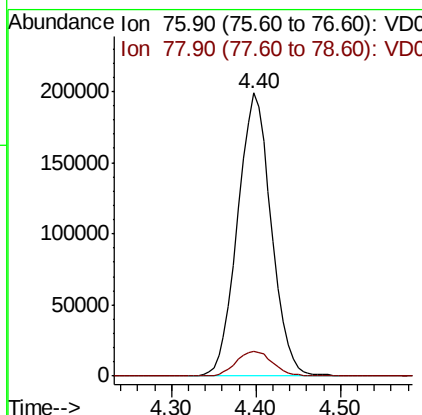
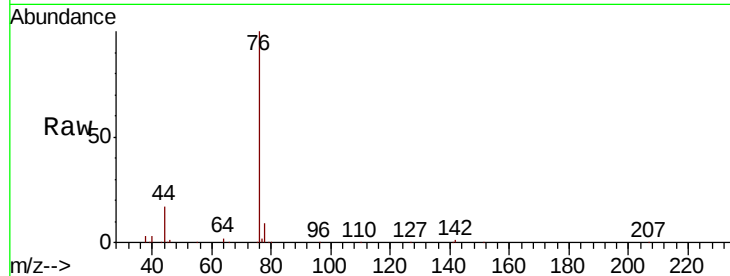




#17
Carbon Disulfide
Concen: 42.965 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

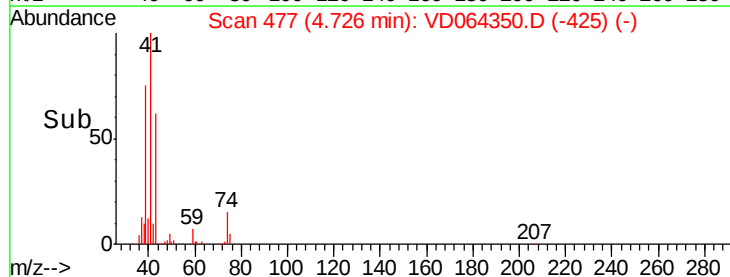
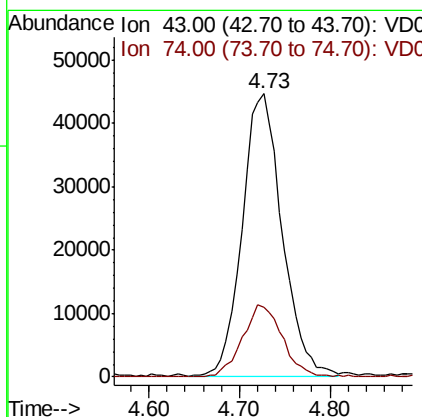
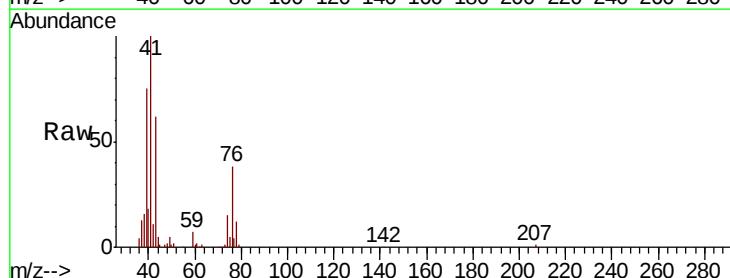
Instrument :
MSVOA_D
ClientSampleId :

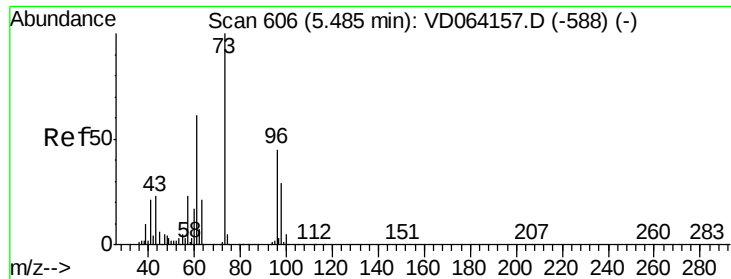
Tot Ion: 76 Resp: 549363
Ion Ratio Lower Upper
76 100
78 8.6 7.2 10.8



#18
Methyl Acetate
Concen: 51.607 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

Tgt Ion: 43 Resp: 137222
Ion Ratio Lower Upper
43 100
74 25.2 18.4 27.6

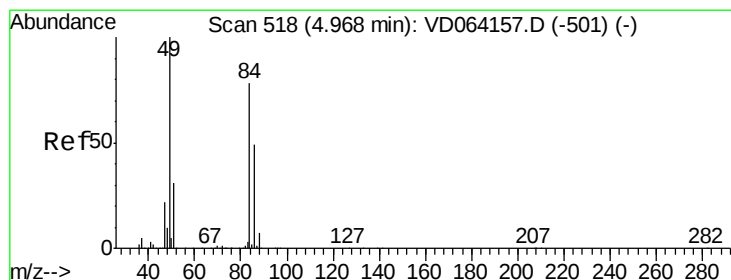
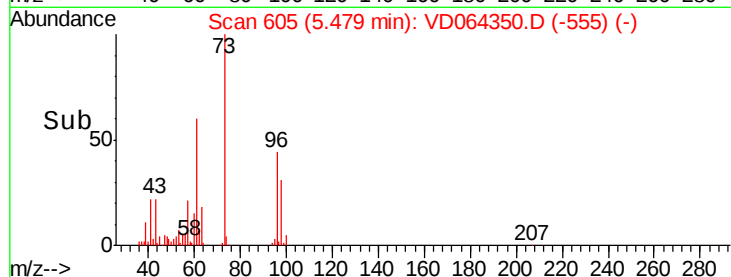
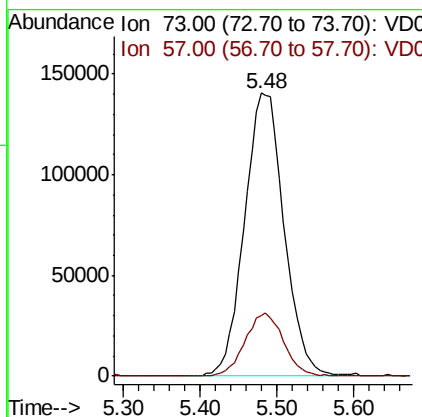
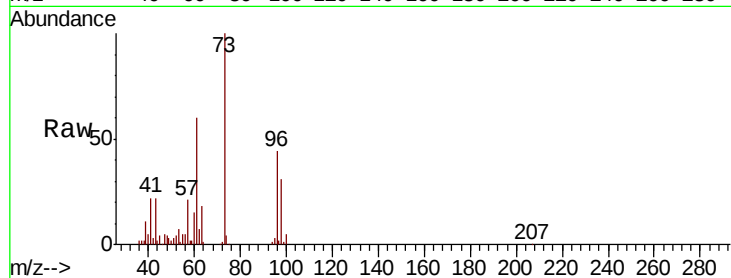




#19
Methvl tert-butvl Ether
Concen: 51.481 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

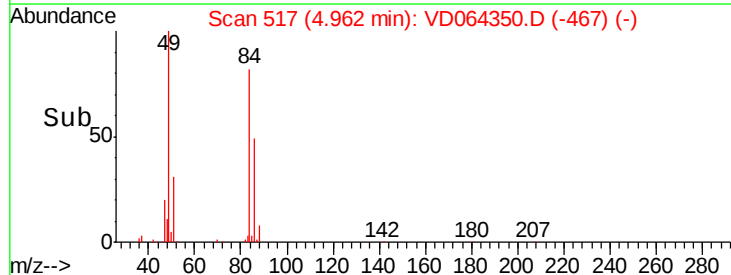
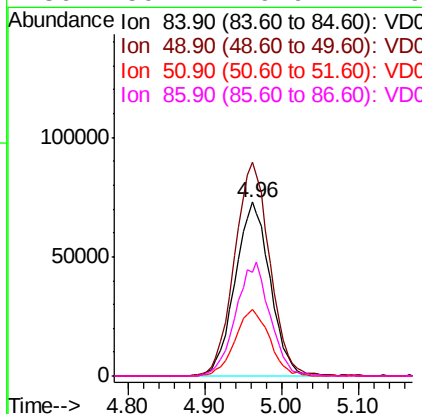
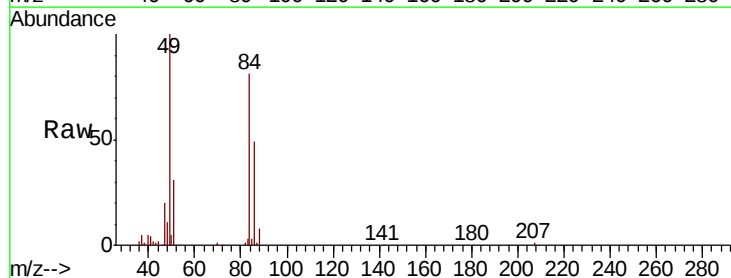
Instrument :
MSVOA_D
ClientSampleId :

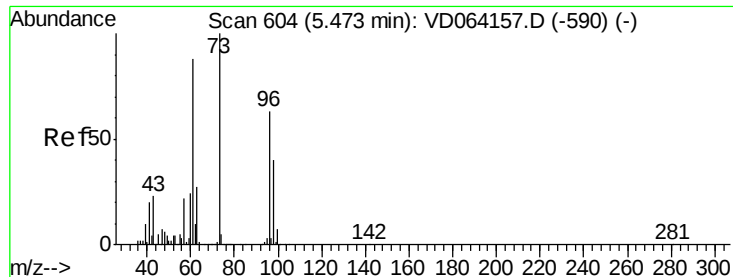
Tot Ion: 73 Resp: 504595
Ion Ratio Lower Upper
73 100
57 21.2 18.4 27.6



#20
Methylene Chloride
Concen: 48.446 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

Tgt Ion: 84 Resp: 232975
Ion Ratio Lower Upper
84 100
49 122.9 102.1 153.1
51 38.4 32.2 48.2
86 59.7 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 49.311 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

Instrument :

MSVOA_D

ClientSampleId :

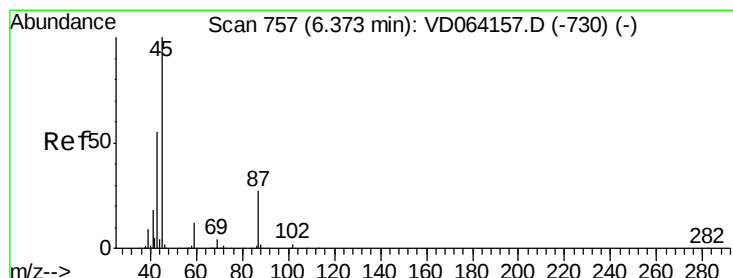
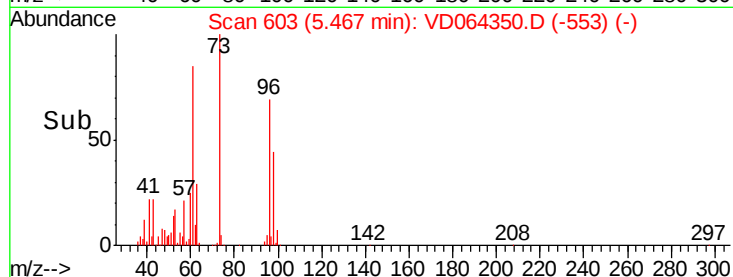
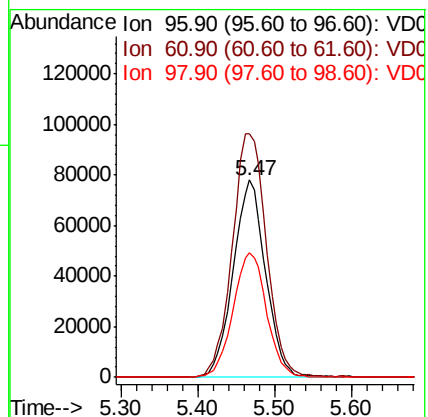
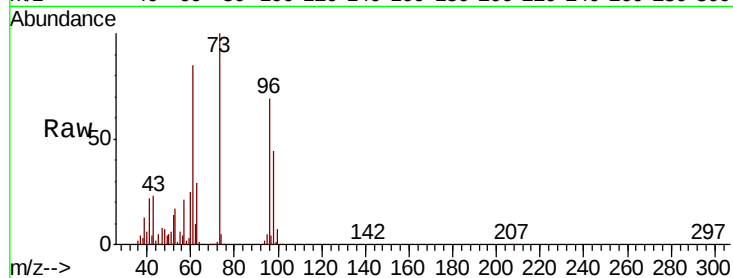
Tot Ion: 96 Resp: 229381

Ion Ratio Lower Upper

96 100

61 123.6 111.8 167.6

98 63.5 50.3 75.5



#22

Diisopropyl ether

Concen: 50.577 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

Tgt Ion: 45 Resp: 681232

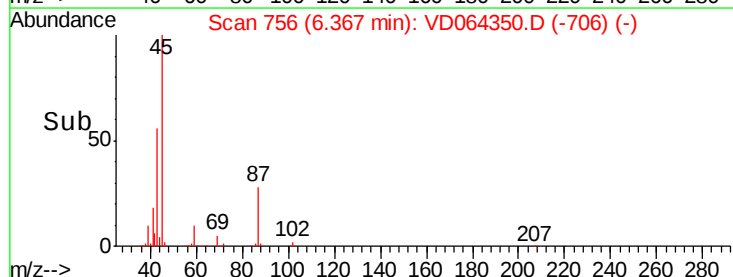
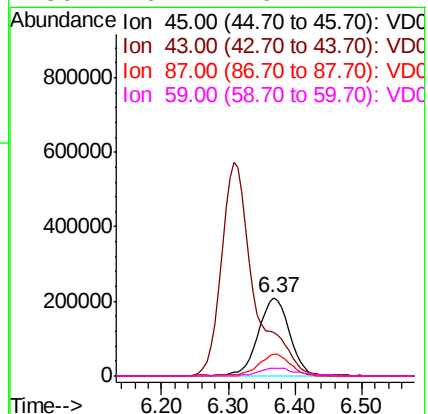
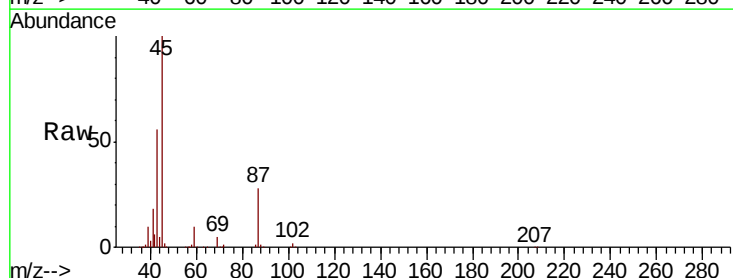
Ion Ratio Lower Upper

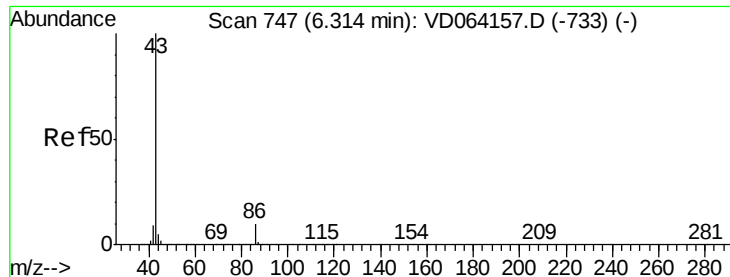
45 100

43 55.7 44.4 66.6

87 27.8 21.9 32.9

59 10.2 9.4 14.2





#23

Vinyl Acetate

Concen: 262.257 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

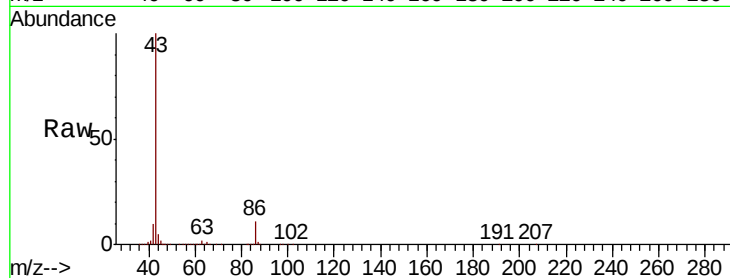
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 1969035

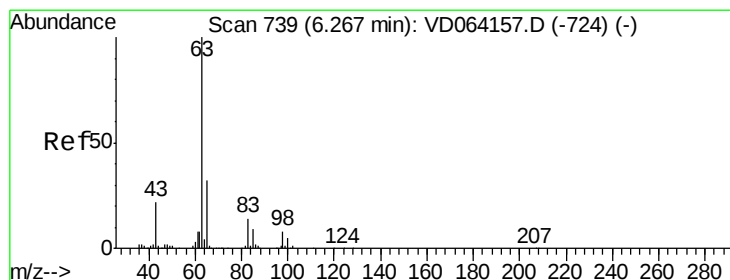
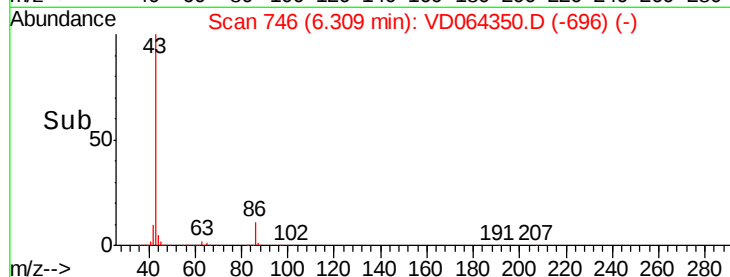
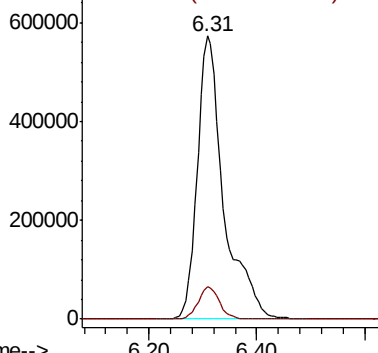
Ion Ratio Lower Upper

43 100

86 11.3 8.2 12.2



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



#24

1,1-Dichloroethane

Concen: 50.223 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

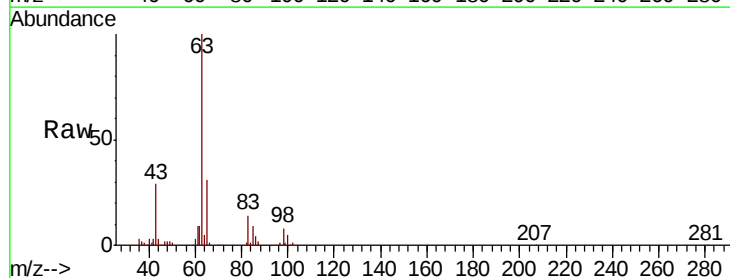
Tgt Ion: 63 Resp: 392777

Ion Ratio Lower Upper

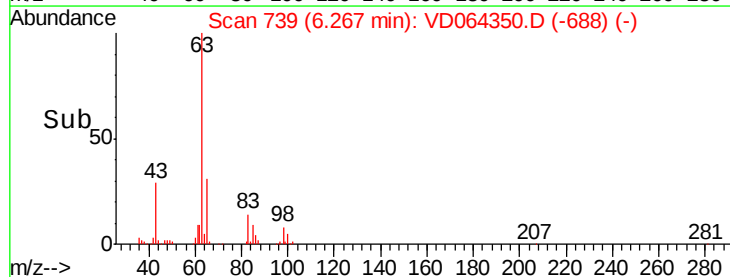
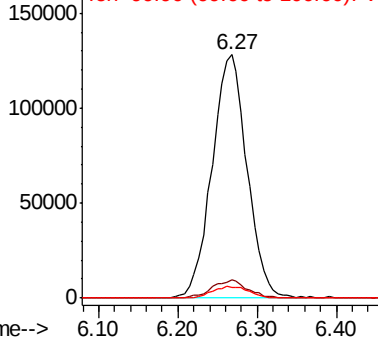
63 100

98 7.6 3.8 11.4

100 4.6 2.4 7.2



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





#25

2-Butanone

Concen: 247.671 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

Instrument :

MSVOA_D

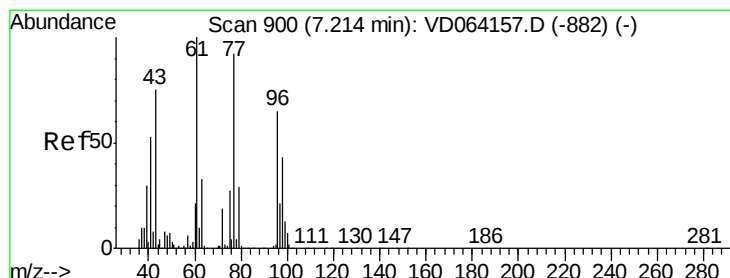
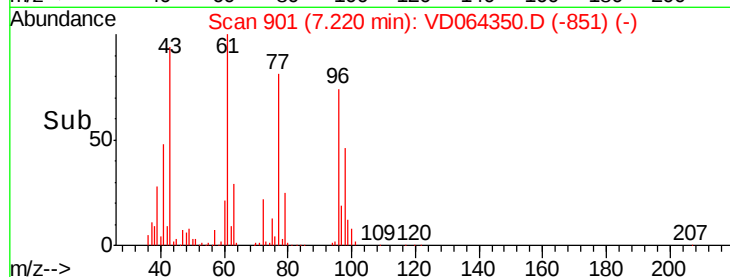
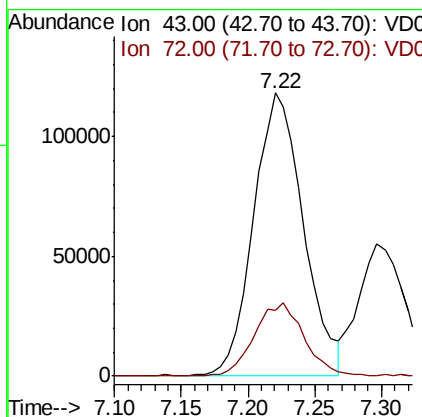
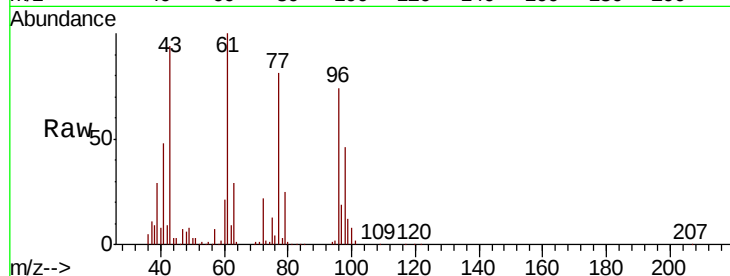
ClientSampled :

Tot Ion: 43 Resp: 304621

Ion Ratio Lower Upper

43 100

72 23.4 20.6 30.8



#26

2,2-Dichloropropane

Concen: 45.987 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064350.D

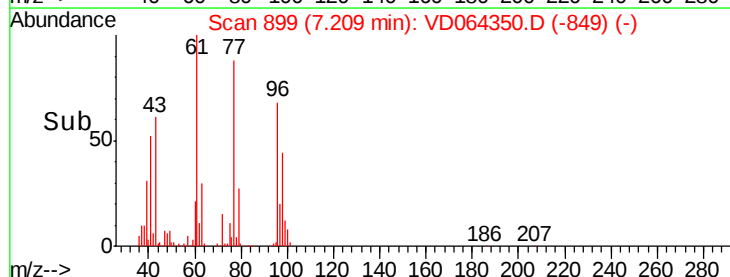
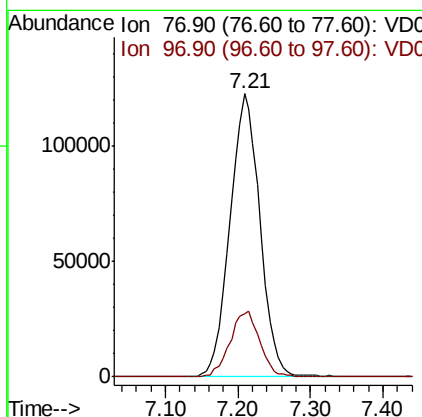
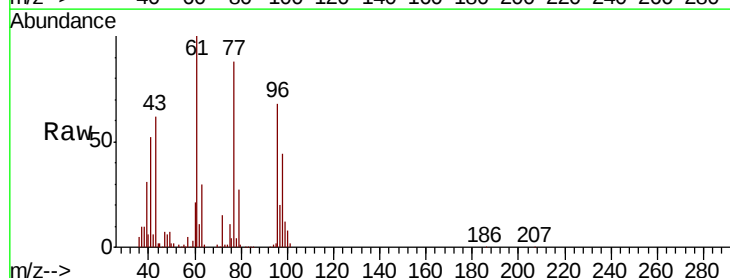
Acq: 22 Nov 2019 17:20

Tgt Ion: 77 Resp: 352699

Ion Ratio Lower Upper

77 100

97 23.0 11.1 33.3



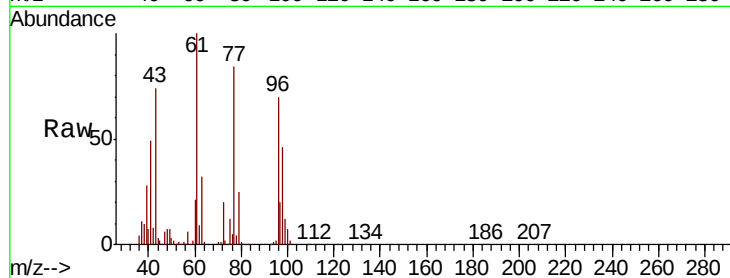


#27

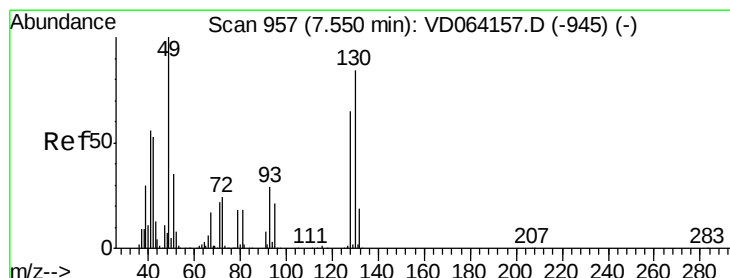
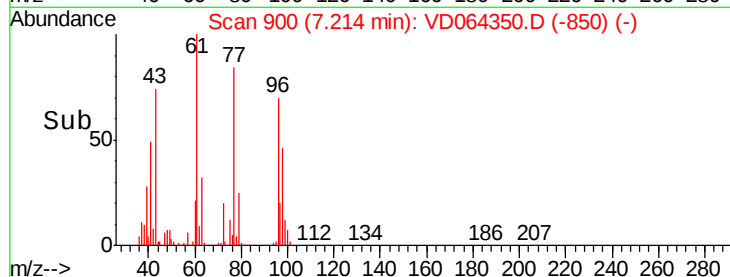
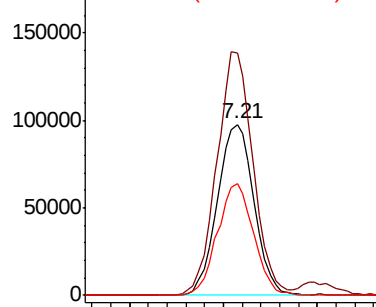
cis-1,2-Dichloroethene
Concen: 52.747 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.9	0.0	301.4
98	65.0	0.0	133.2



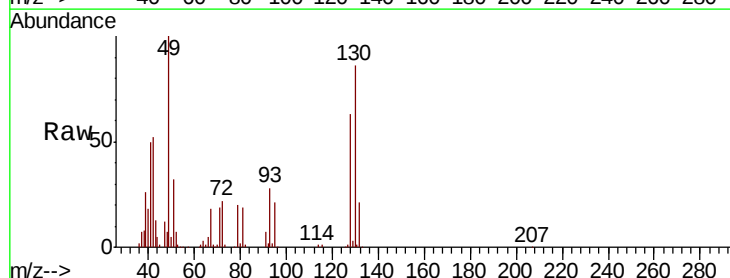
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



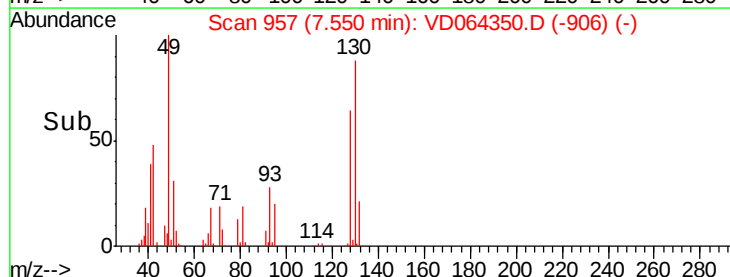
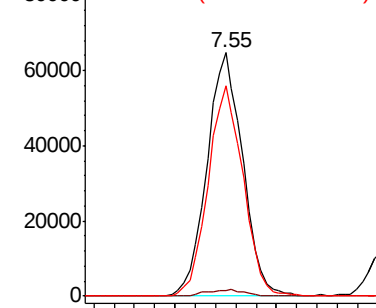
#28

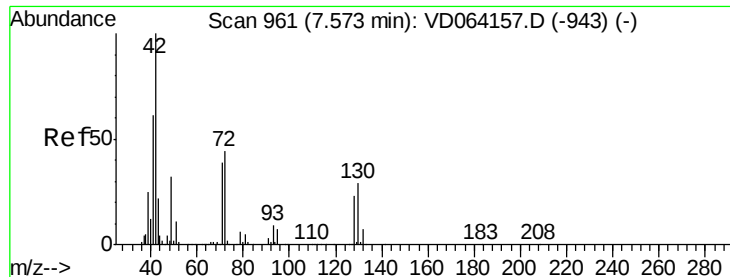
Bromochloromethane
Concen: 58.291 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	4.4
130	84.7	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: 261.364 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

Instrument :

MSVOA_D

ClientSampleId :

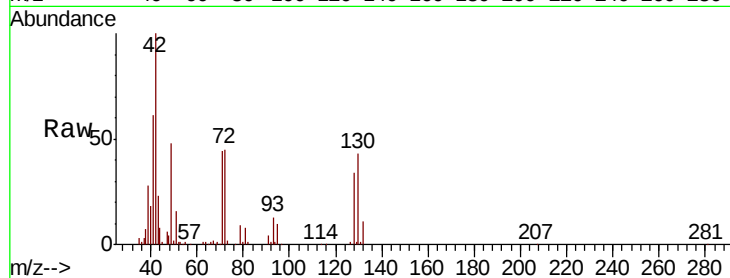
Tot Ion: 42 Resp: 193142

Ion Ratio Lower Upper

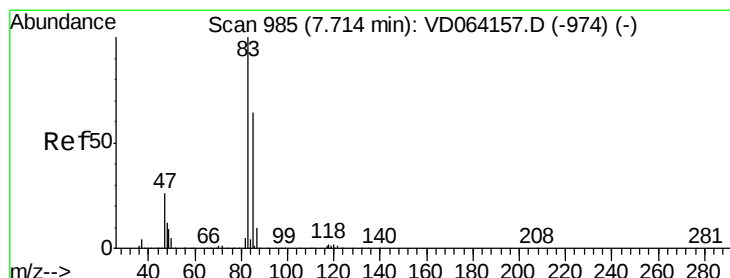
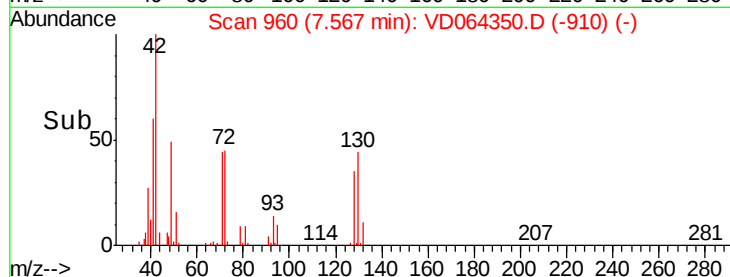
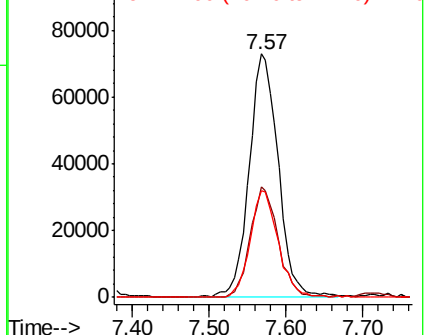
42 100

72 43.0 33.4 50.2

71 42.1 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: 53.103 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD064350.D

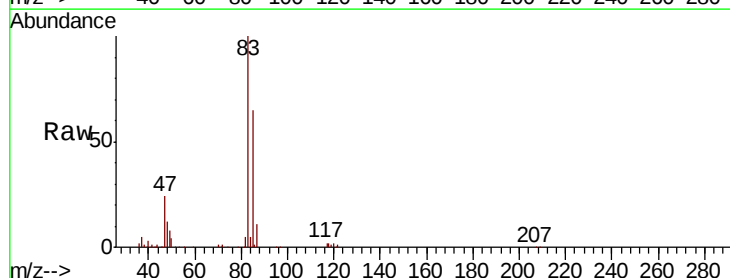
Acq: 22 Nov 2019 17:20

Tgt Ion: 83 Resp: 424805

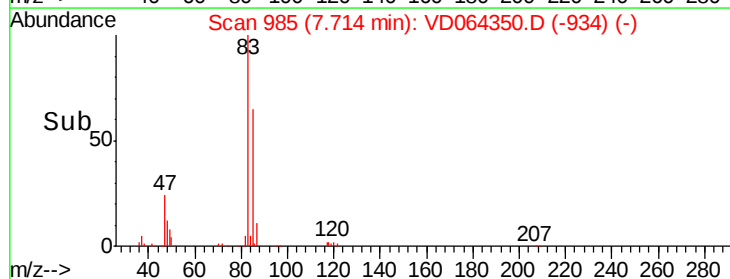
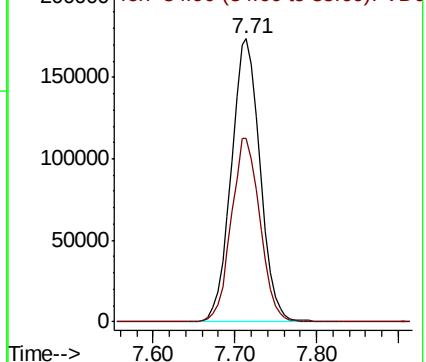
Ion Ratio Lower Upper

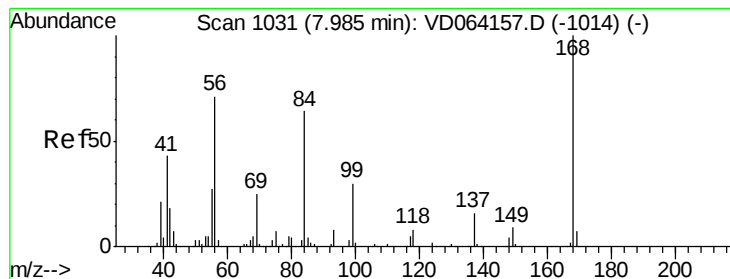
83 100

85 65.0 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: 43.053 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

Instrument :

MSVOA_D

ClientSampled :

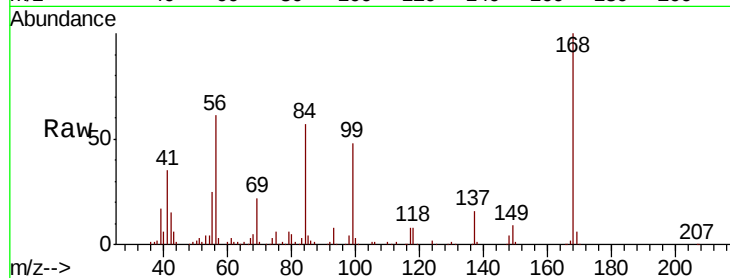
Tot Ion: 56 Resp: 339569

Ion Ratio Lower Upper

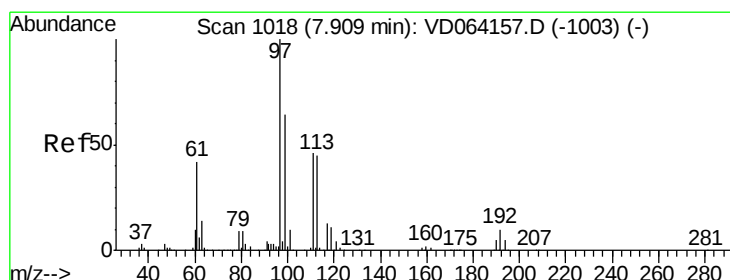
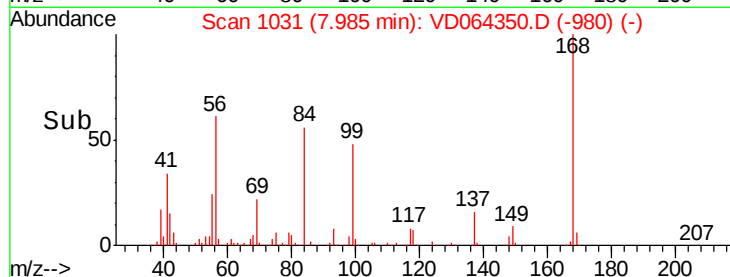
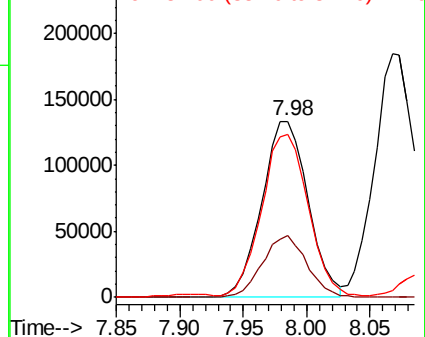
56 100

69 35.3 28.2 42.4

84 91.0 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: 48.988 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

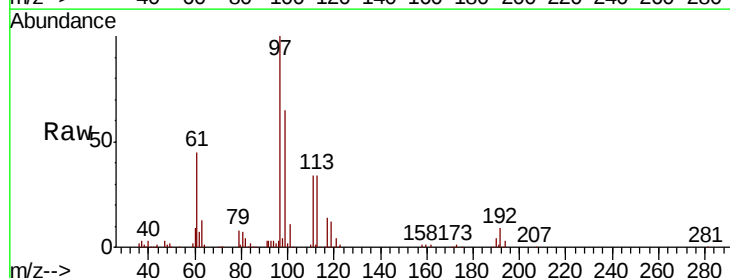
Tgt Ion: 97 Resp: 375243

Ion Ratio Lower Upper

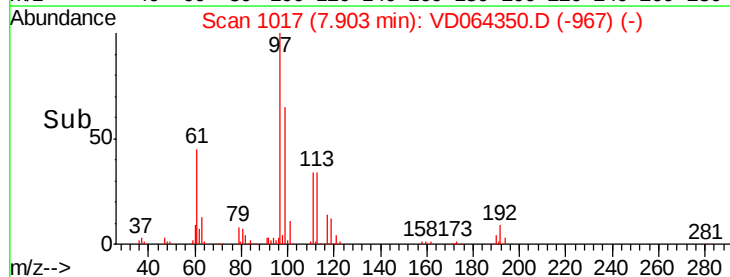
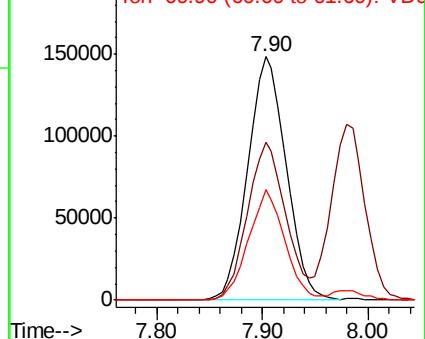
97 100

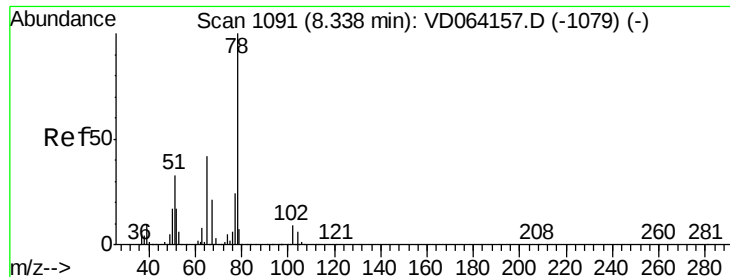
99 64.6 51.6 77.4

61 43.2 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

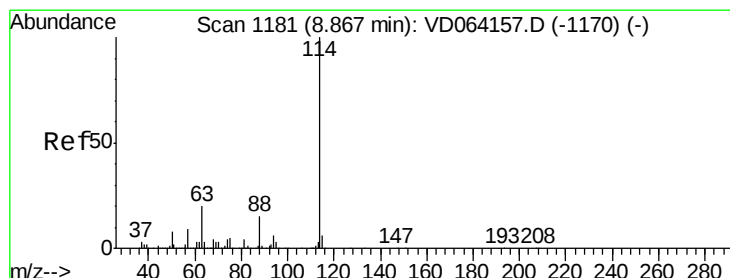
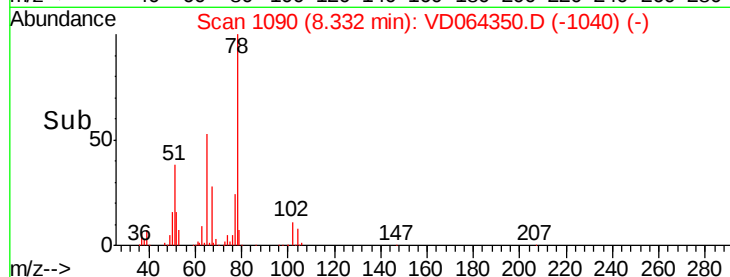
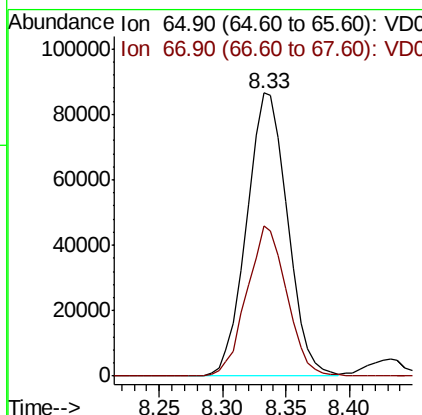
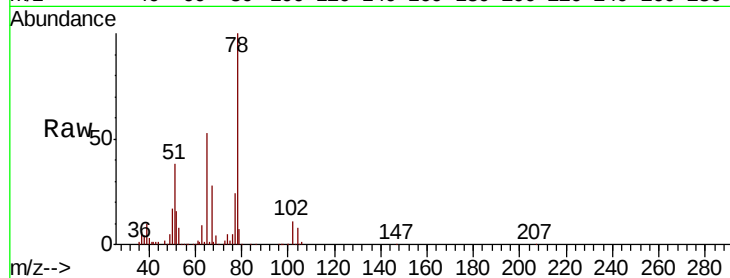




#33
 1,2-Dichloroethane-d4
 Concen: 48.390 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064350.D
 Acq: 22 Nov 2019 17:20

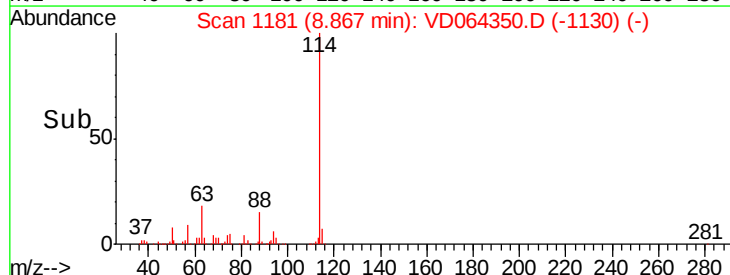
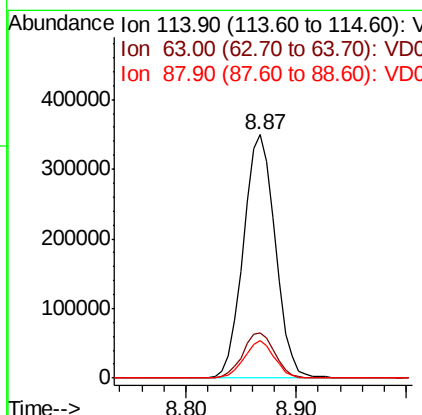
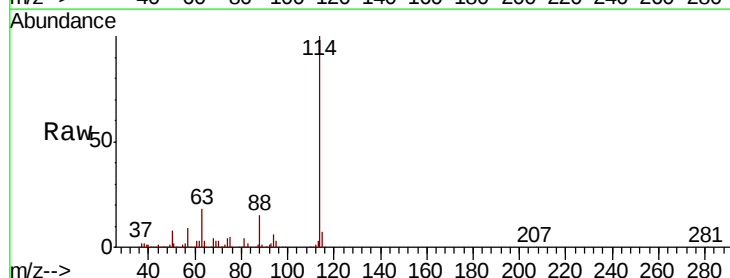
Instrument :
 MSVOA_D
 ClientSampleId :

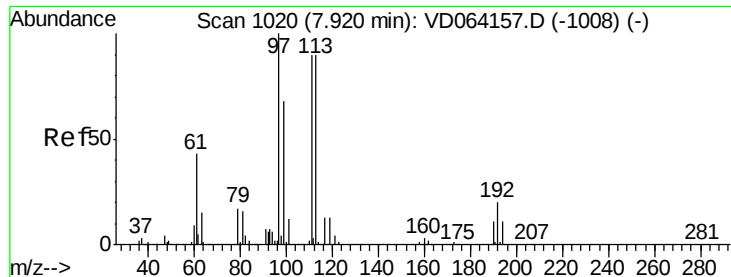
Tot Ion: 65 Resp: 194459
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064350.D
 Acq: 22 Nov 2019 17:20

Tgt Ion: 114 Resp: 711392
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 40.0
 88 15.3 0.0 30.2

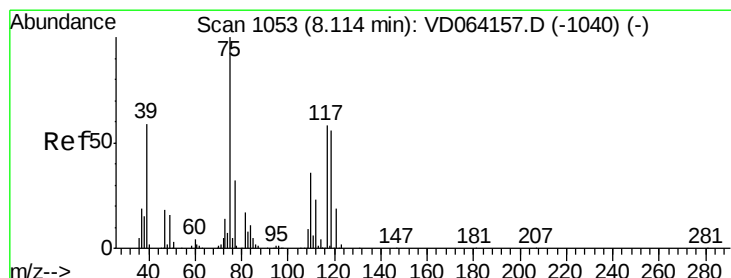
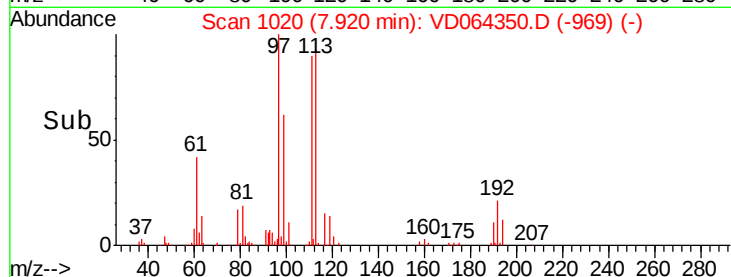
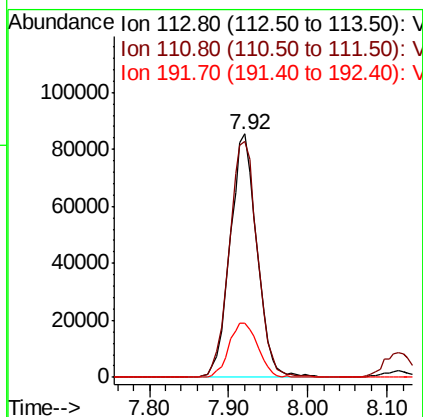
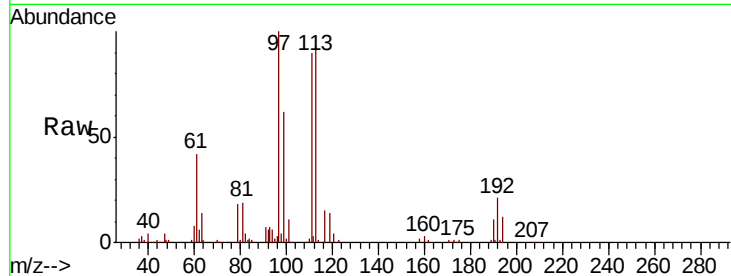




#35
 Dibromofluoromethane
 Concen: 49.009 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064350.D
 Acq: 22 Nov 2019 17:20

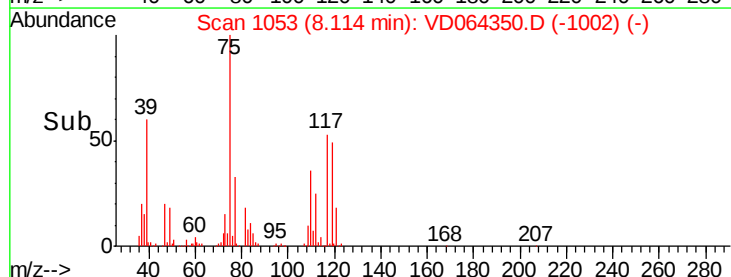
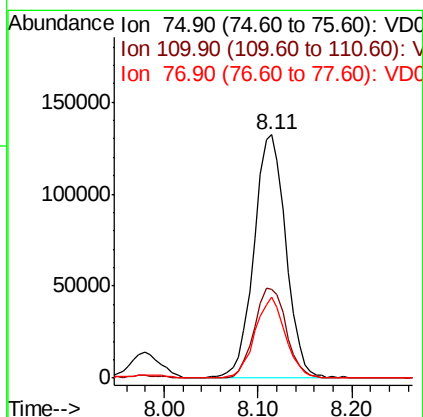
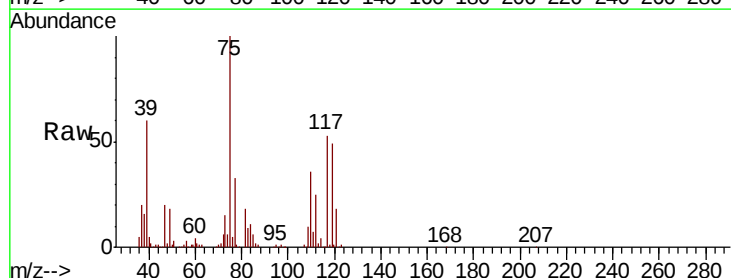
Instrument :
 MSVOA_D
 ClientSampled :

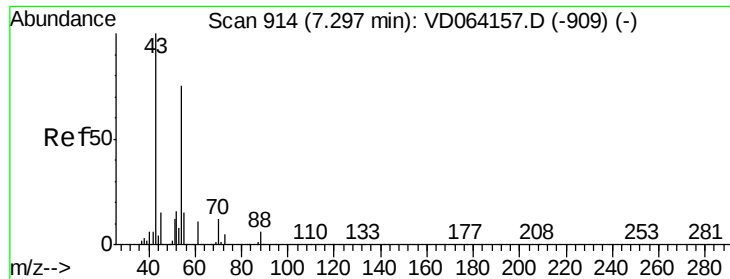
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.5	122.3
192	23.9	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 47.032 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064350.D
 Acq: 22 Nov 2019 17:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.6	18.3	54.9
77	32.3	25.0	37.6

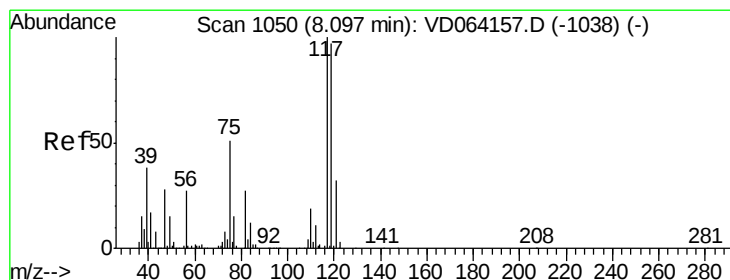
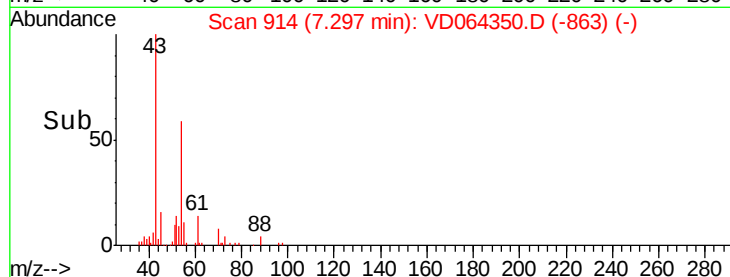
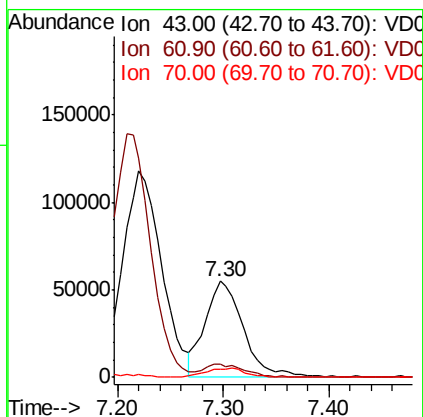
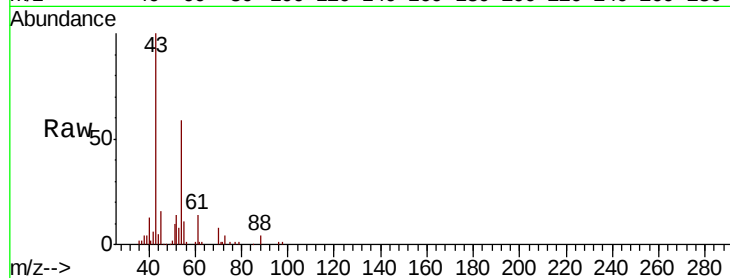




#37
Ethyl Acetate
Concen: 49.288 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

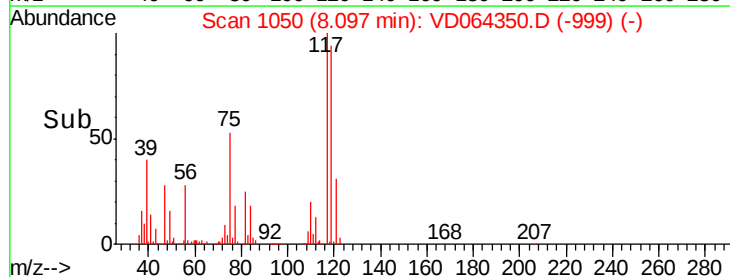
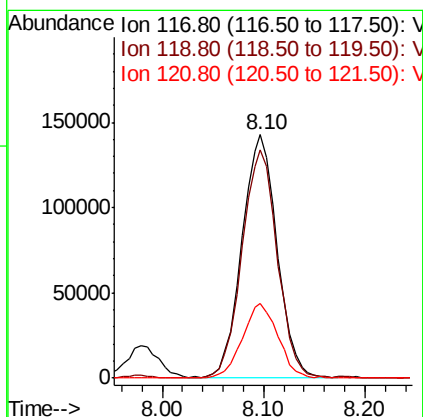
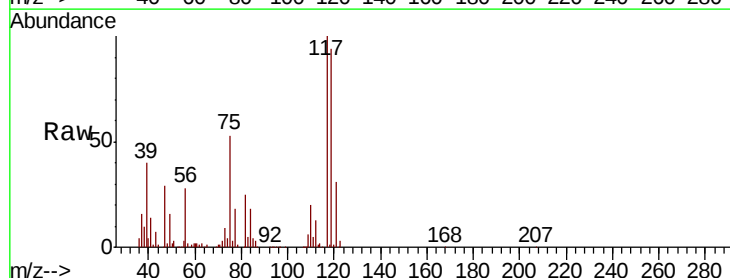
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 136424
Ion Ratio Lower Upper
43 100
61 14.5 10.2 15.2
70 9.9 8.5 12.7



#38
Carbon Tetrachloride
Concen: 48.605 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

Tgt Ion: 117 Resp: 341461
Ion Ratio Lower Upper
117 100
119 94.1 77.2 115.8
121 30.8 25.5 38.3

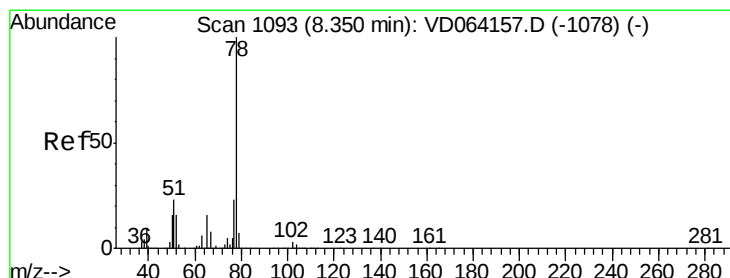
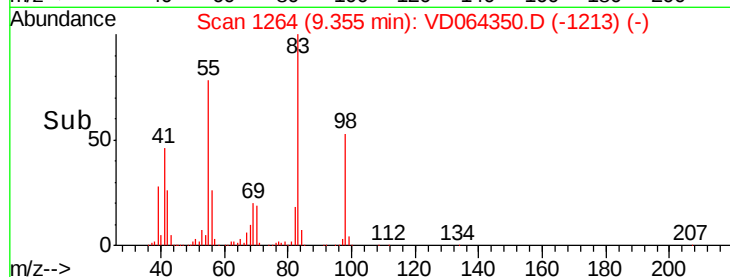
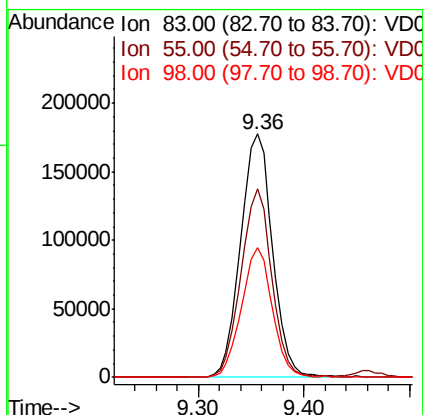
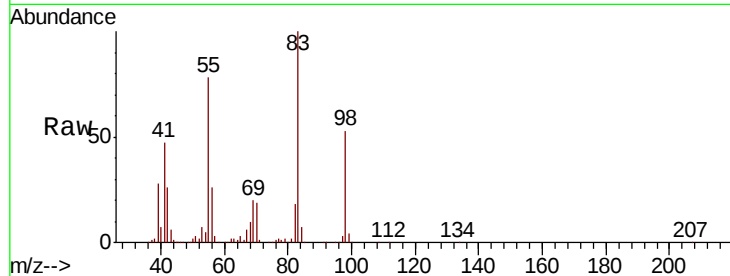




#39
Methvlcvclohexane
Concen: 44.964 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

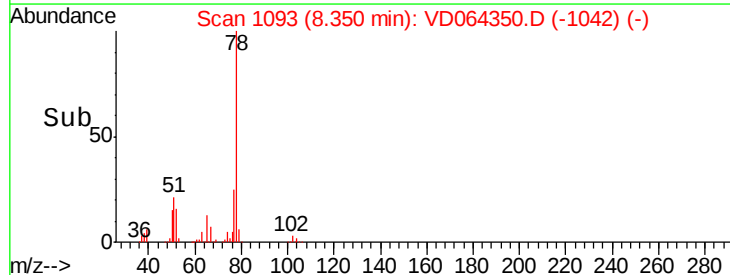
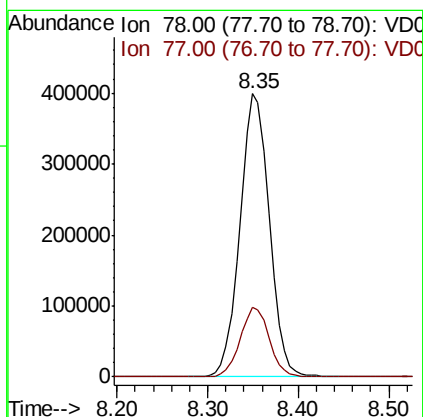
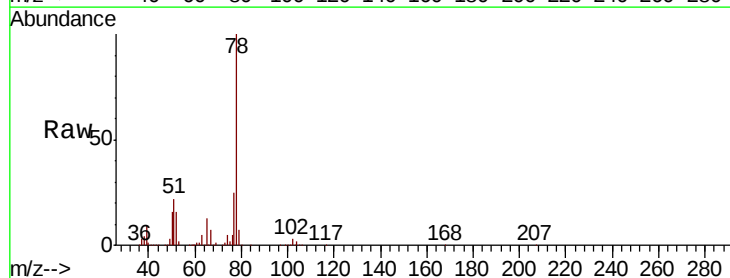
Instrument :
MSVOA_D
ClientSampleId :

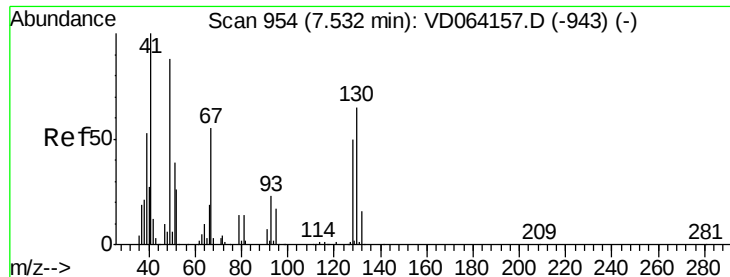
Tot Ion: 83 Resp: 373552
Ion Ratio Lower Upper
83 100
55 77.5 61.7 92.5
98 53.0 38.6 58.0



#40
Benzene
Concen: 49.957 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

Tgt Ion: 78 Resp: 896422
Ion Ratio Lower Upper
78 100
77 24.6 18.6 28.0

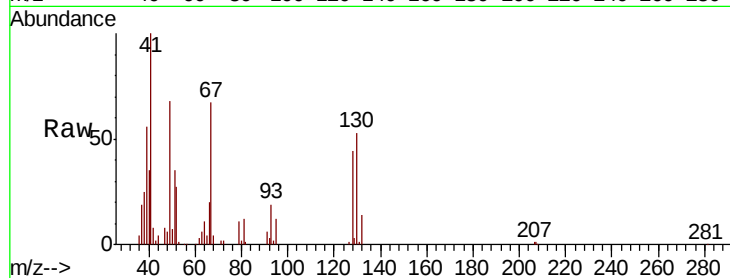




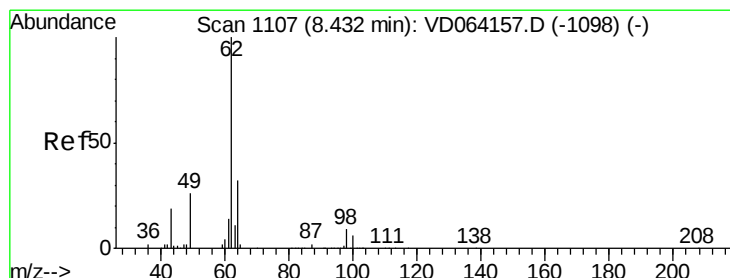
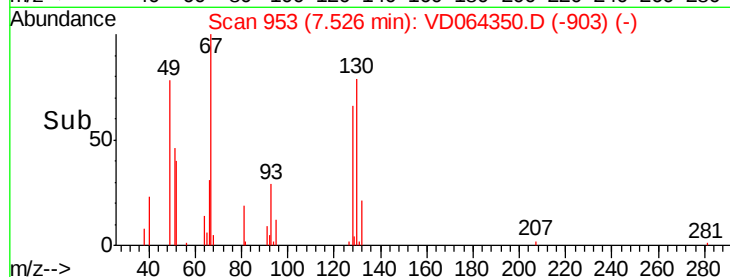
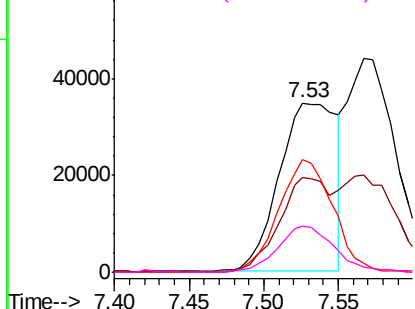
#41
Methacrylonitrile
Concen: 53.728 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 93468
Ion Ratio Lower Upper
41 100
39 47.9 49.4 74.2#
67 63.4 49.6 74.4
52 27.2 21.4 32.0

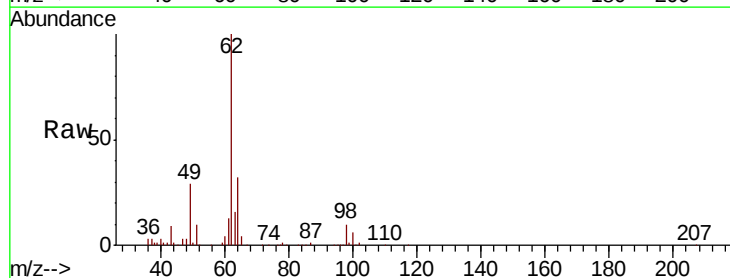


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

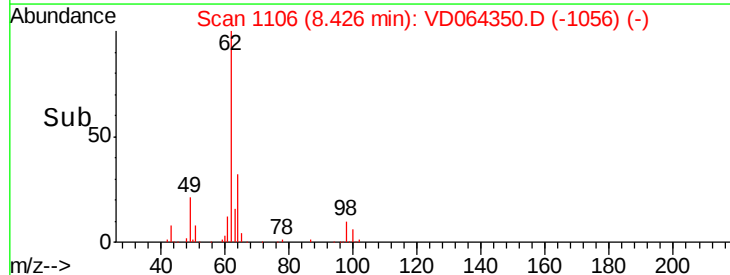
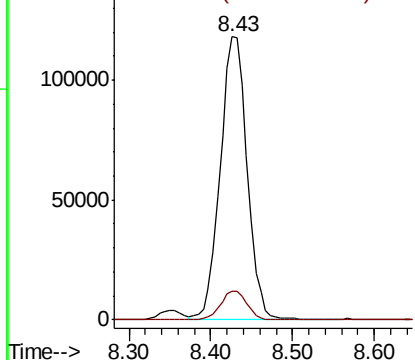


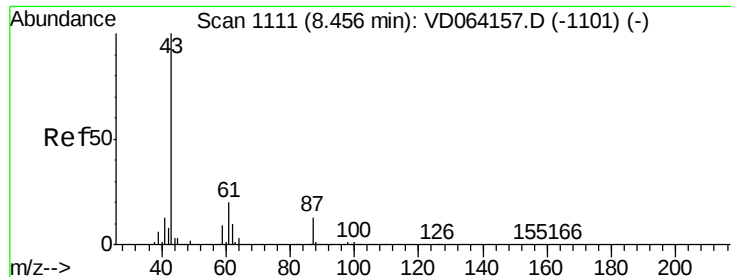
#42
1,2-Dichloroethane
Concen: 50.251 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

Tgt Ion: 62 Resp: 270813
Ion Ratio Lower Upper
62 100
98 10.0 0.0 19.0



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

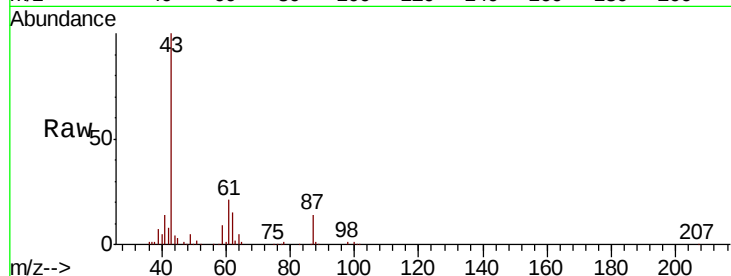




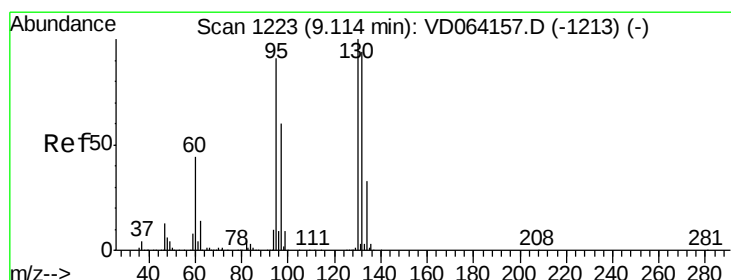
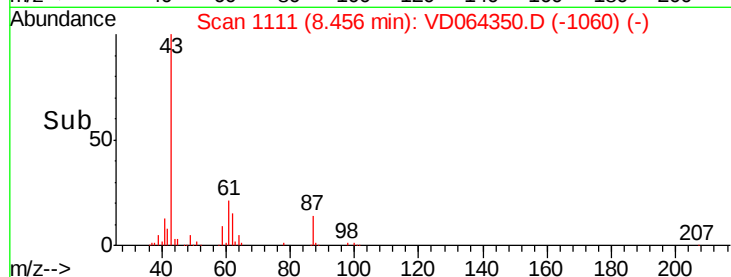
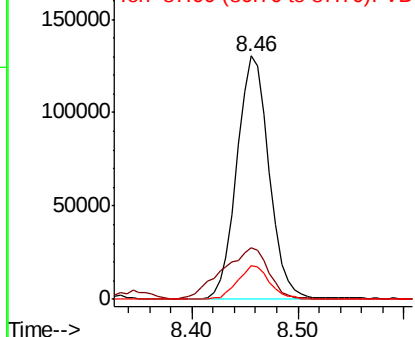
#43
Isopropyl Acetate
Concen: 48.436 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 276226
Ion Ratio Lower Upper
43 100
61 30.4 22.9 34.3
87 13.7 10.2 15.2

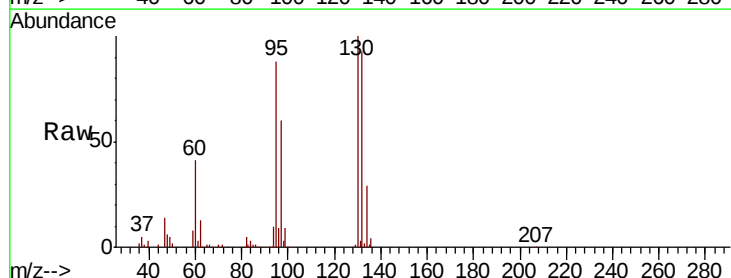


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC

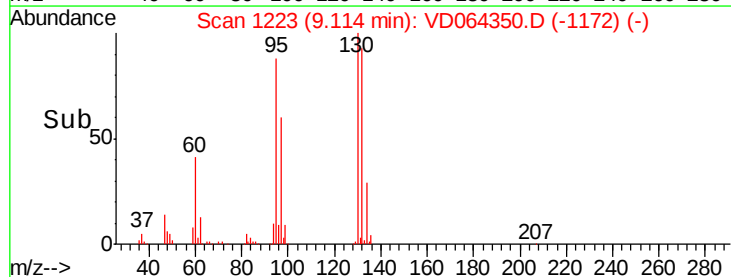
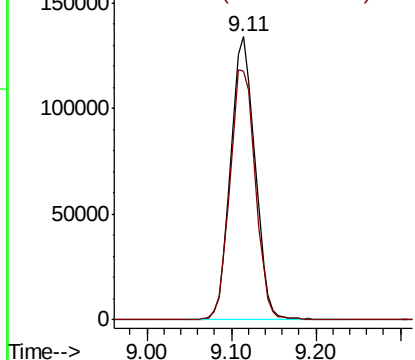


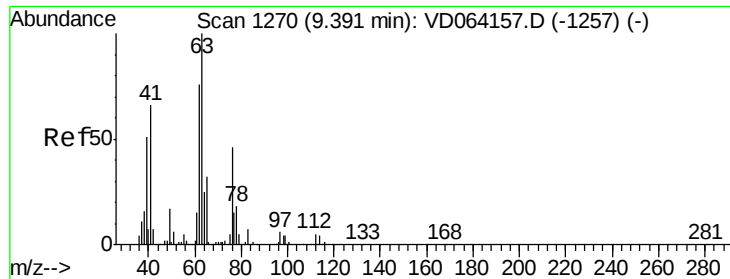
#44
Trichloroethene
Concen: 49.571 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

Tgt Ion: 130 Resp: 266962
Ion Ratio Lower Upper
130 100
95 88.0 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: 50.299 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

Instrument :

MSVOA_D

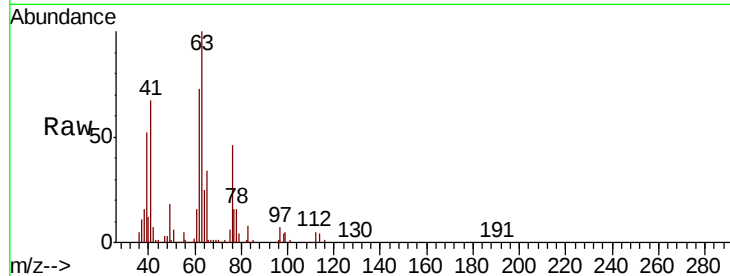
ClientSampleId :

Tot Ion: 63 Resp: 219680

Ion Ratio Lower Upper

63 100

65 33.6 25.7 38.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

120000

100000

80000

60000

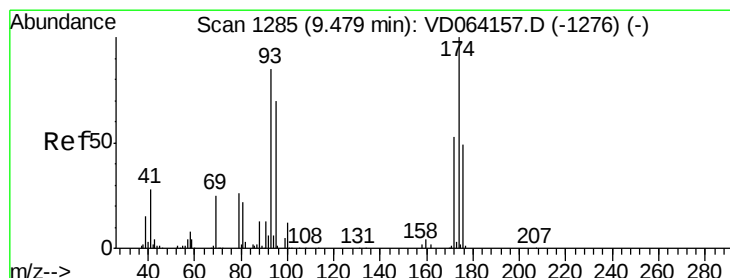
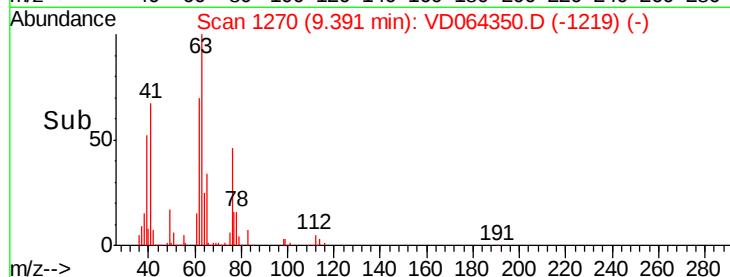
40000

20000

0

9.30 9.35 9.40 9.45

Time-->



#46

Dibromomethane

Concen: 53.568 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

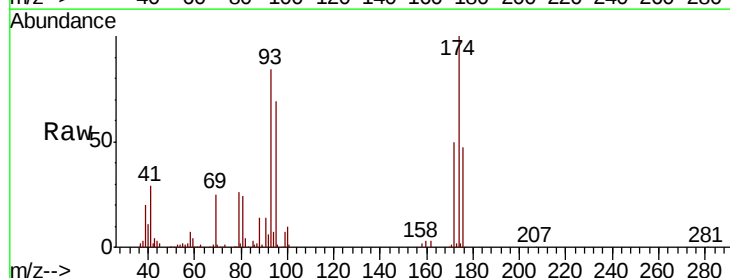
Tgt Ion: 93 Resp: 125251

Ion Ratio Lower Upper

93 100

95 82.8 65.5 98.3

174 120.7 93.9 140.9



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

100000

80000

60000

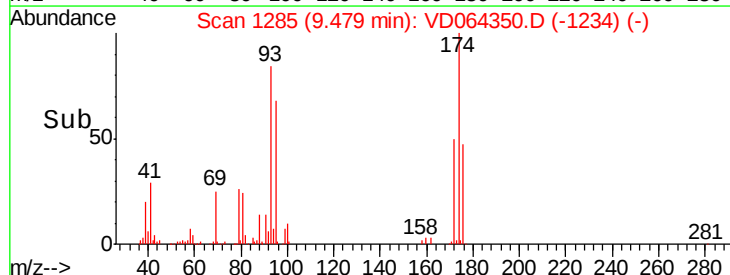
40000

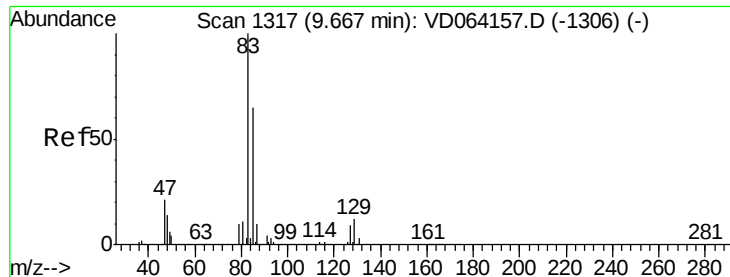
20000

0

9.40 9.50 9.60

Time-->





#47

Bromodichloromethane

Concen: 51.928 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

Instrument :

MSVOA_D

ClientSampled :

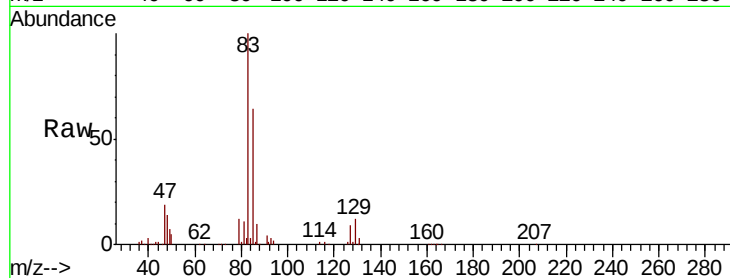
Tot Ion: 83 Resp: 327048

Ion Ratio Lower Upper

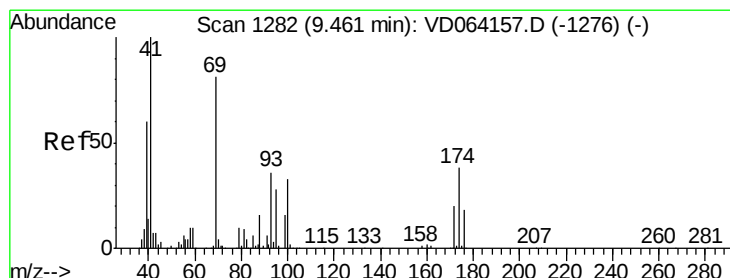
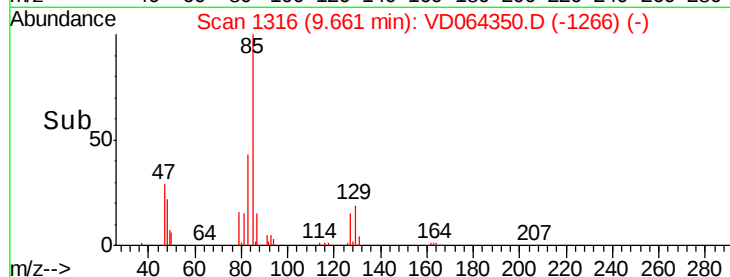
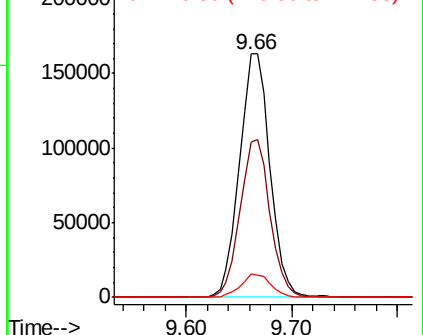
83 100

85 63.6 52.2 78.4

127 9.4 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: 47.345 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

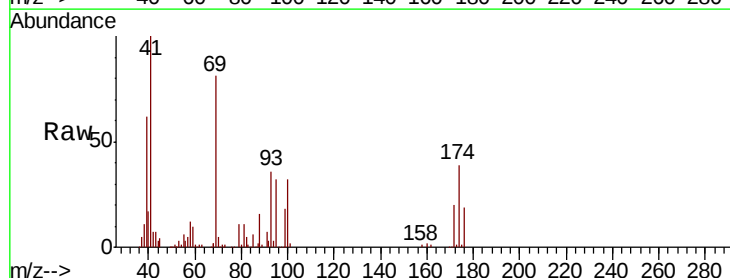
Tgt Ion: 41 Resp: 132027

Ion Ratio Lower Upper

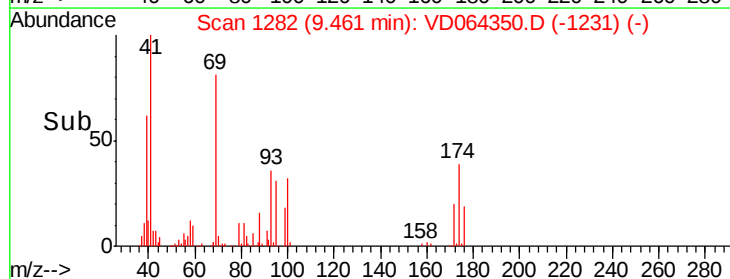
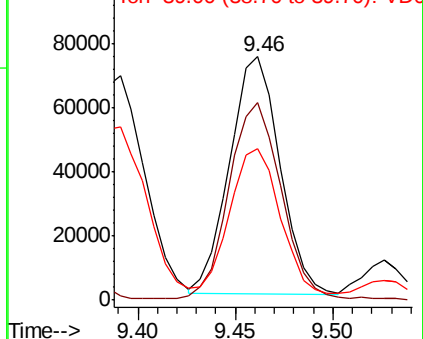
41 100

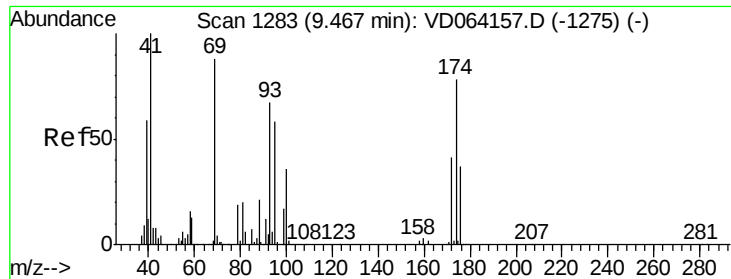
69 86.9 64.6 97.0

39 66.2 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

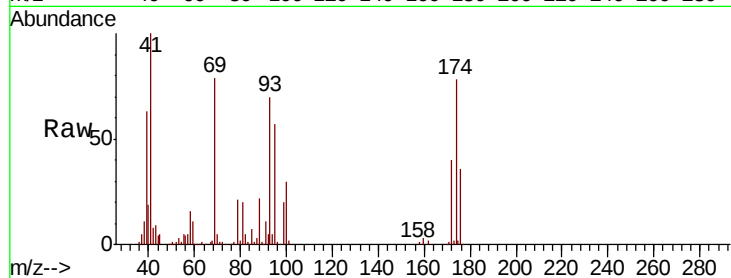




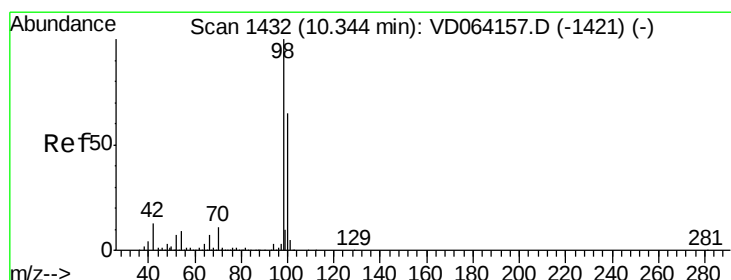
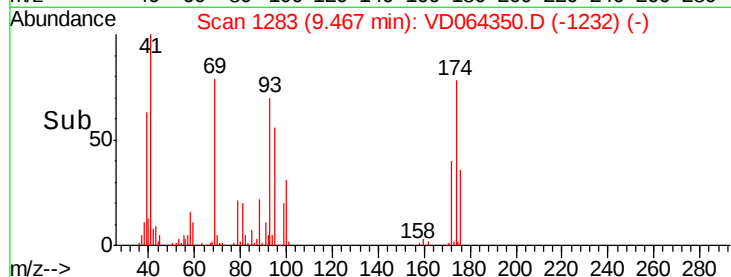
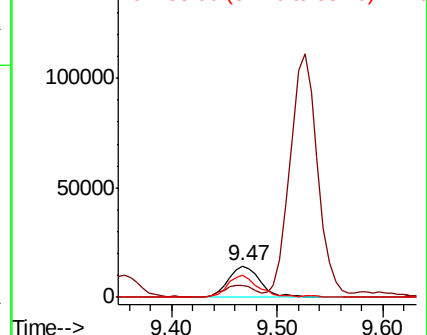
#49
1,4-Dioxane
Concen: 1071.006 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 30075
Ion Ratio Lower Upper
88 100
43 34.9 29.8 44.8
58 65.9 58.1 87.1

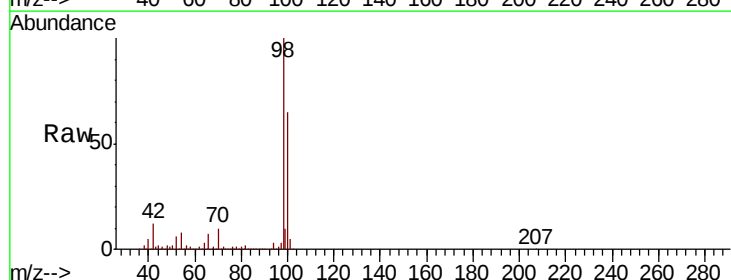


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

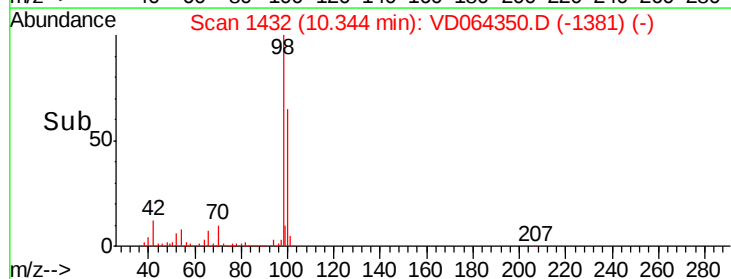
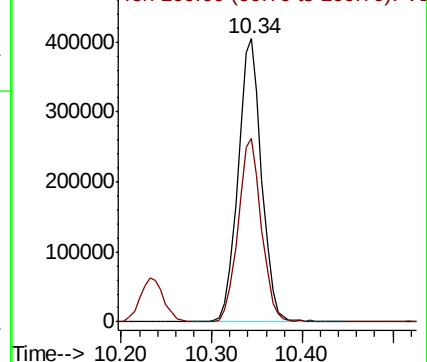


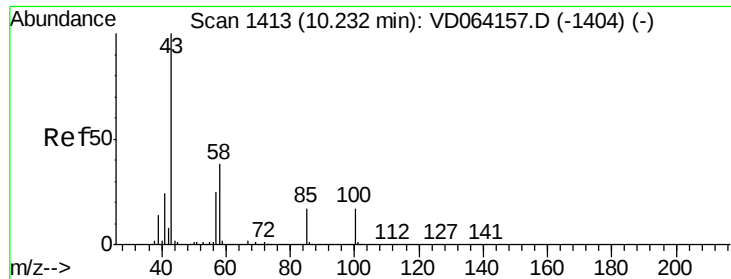
#50
Toluene-d8
Concen: 47.380 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

Tgt Ion: 98 Resp: 729881
Ion Ratio Lower Upper
98 100
100 64.2 52.6 78.8



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





#51

4-Methyl-2-Pentanone

Concen: 253.001 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

Instrument :

MSVOA_D

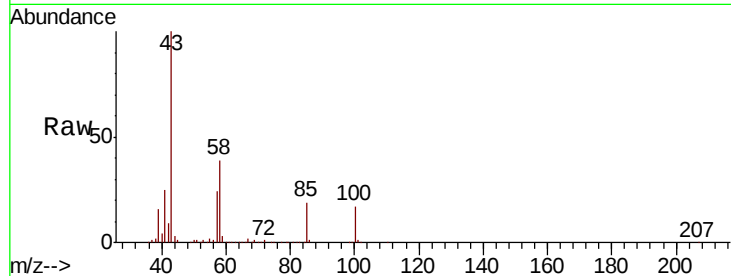
ClientSampleId :

Tot Ion: 43 Resp: 691910

Ion Ratio Lower Upper

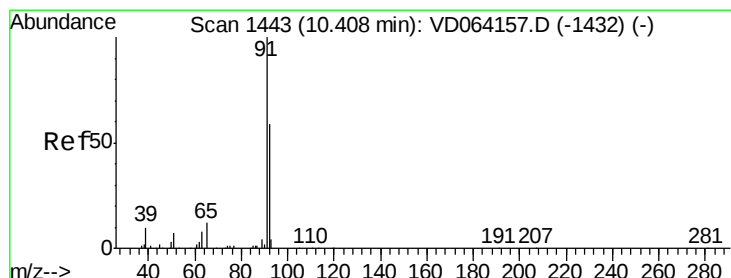
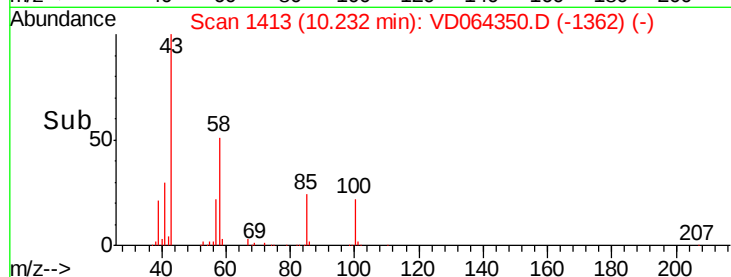
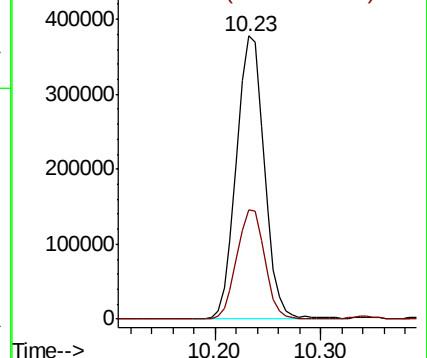
43 100

58 38.7 30.2 45.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 49.351 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD064350.D

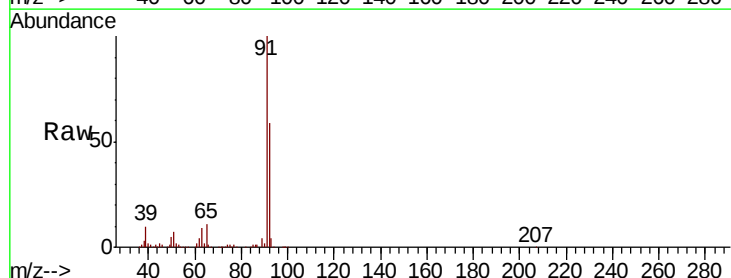
Acq: 22 Nov 2019 17:20

Tgt Ion: 92 Resp: 582300

Ion Ratio Lower Upper

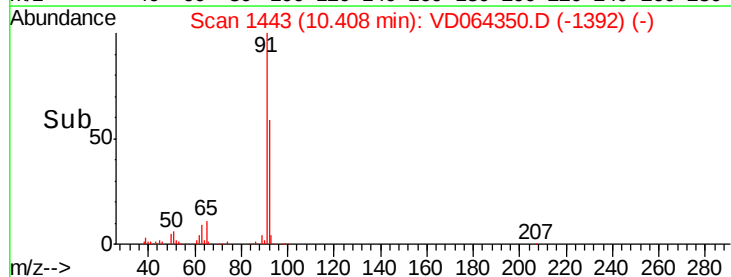
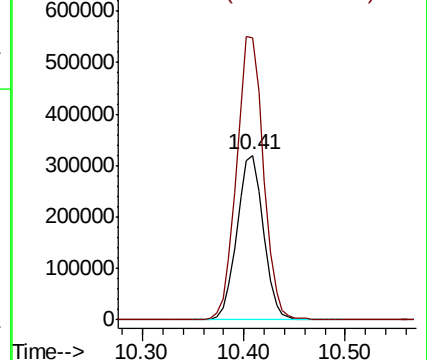
92 100

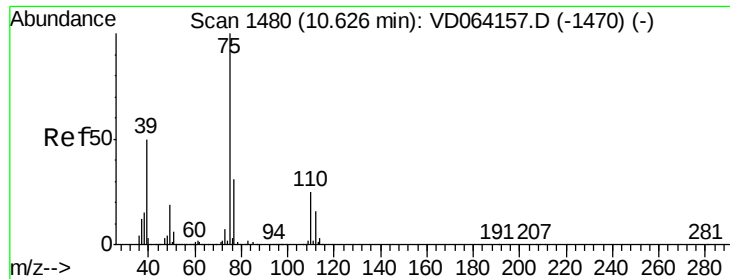
91 174.5 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 49.742 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

Instrument :

MSVOA_D

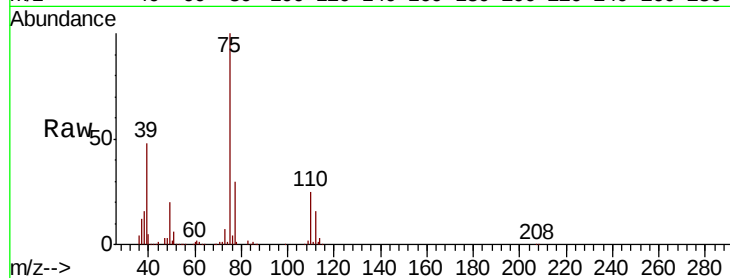
ClientSampleId :

Tot Ion: 75 Resp: 313853

Ion Ratio Lower Upper

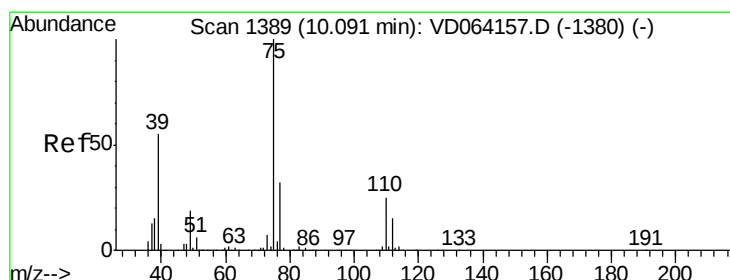
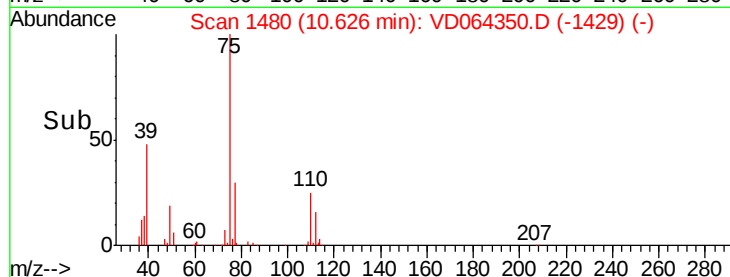
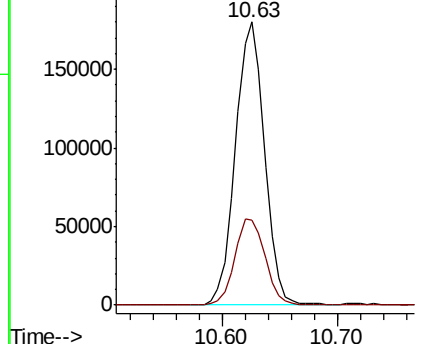
75 100

77 30.1 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: 50.374 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

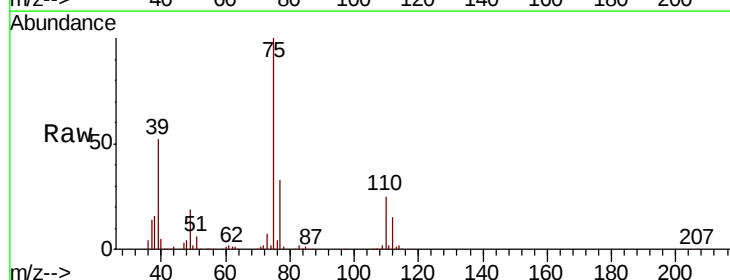
Tgt Ion: 75 Resp: 370900

Ion Ratio Lower Upper

75 100

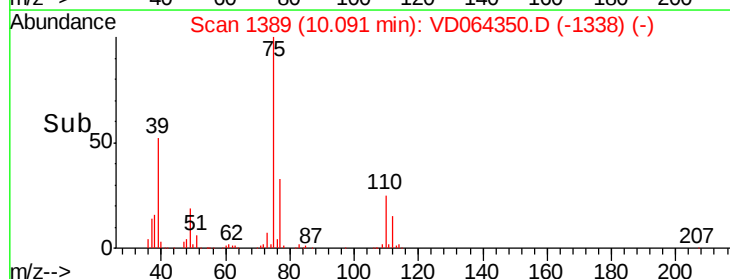
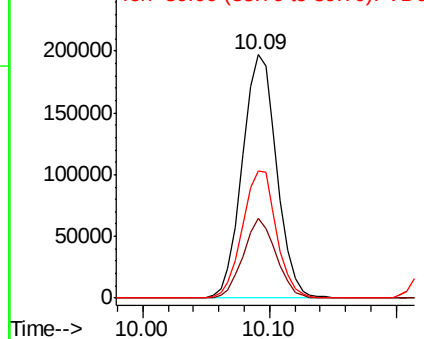
77 32.6 25.2 37.8

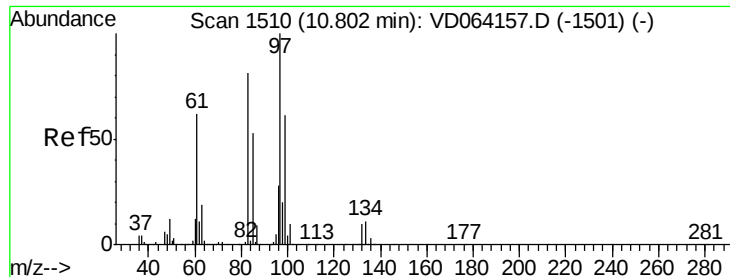
39 52.0 44.2 66.2



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC





#55

1,1,2-Trichloroethane

Concen: 53.864 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

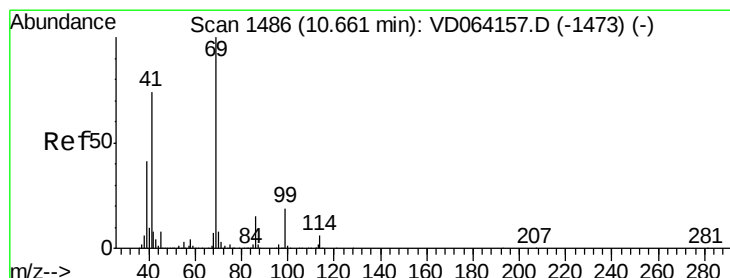
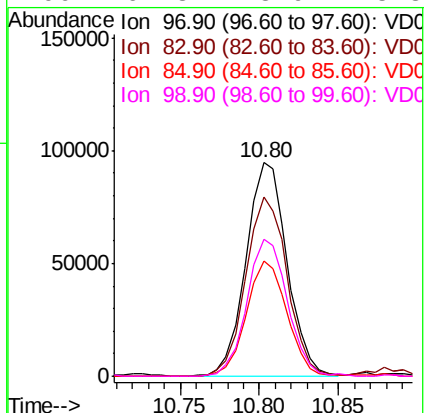
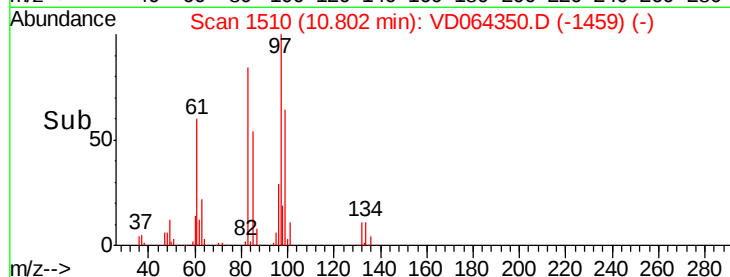
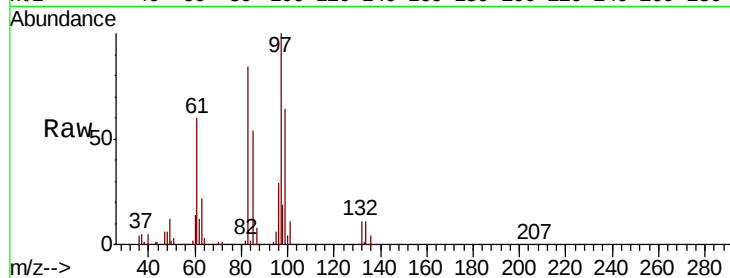
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 170850

Ion	Ratio	Lower	Upper
97	100		
83	84.2	65.1	97.7
85	53.9	42.0	63.0
99	64.3	48.9	73.3



#56

Ethyl methacrylate

Concen: 50.274 ug/l

RT: 10.66 min Scan# 1486

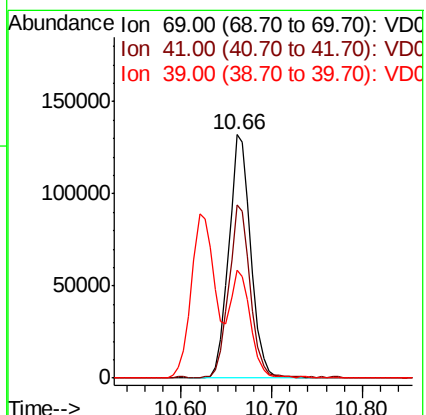
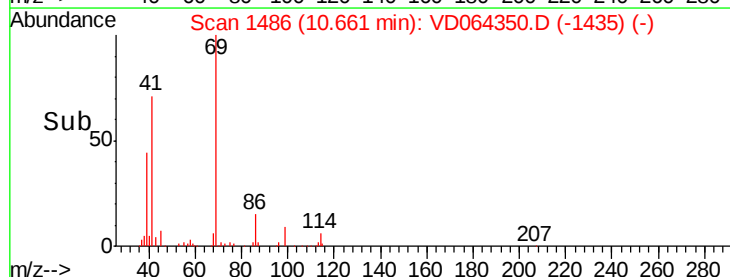
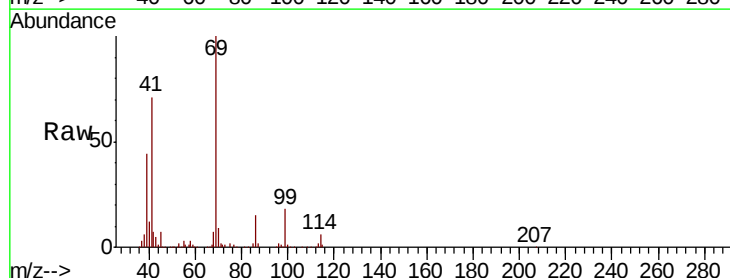
Delta R.T. 0.00 min

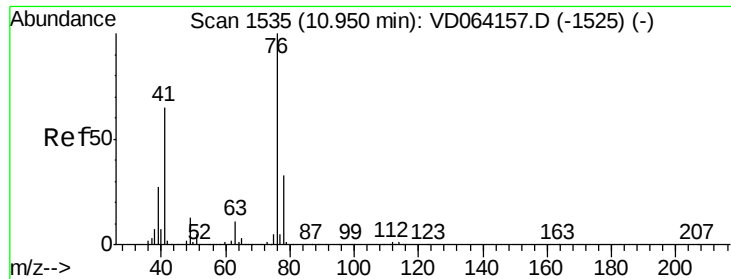
Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

Tgt Ion: 69 Resp: 223069

Ion	Ratio	Lower	Upper
69	100		
41	68.5	57.9	86.9
39	38.9	29.0	43.4

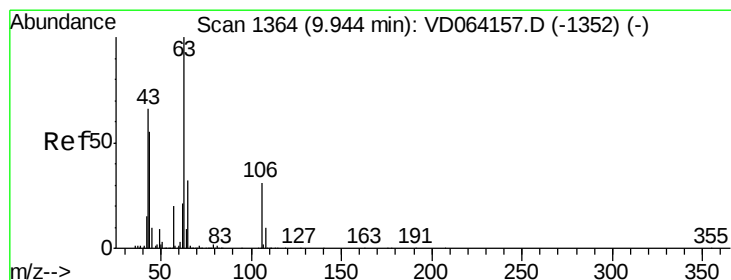
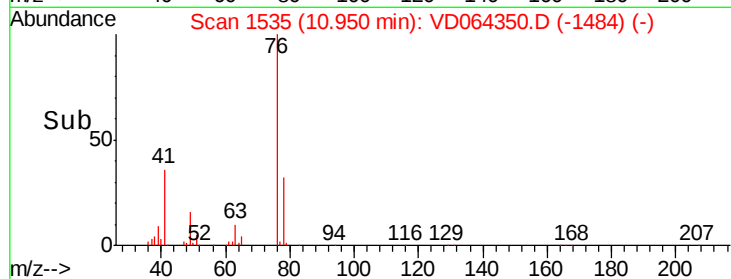
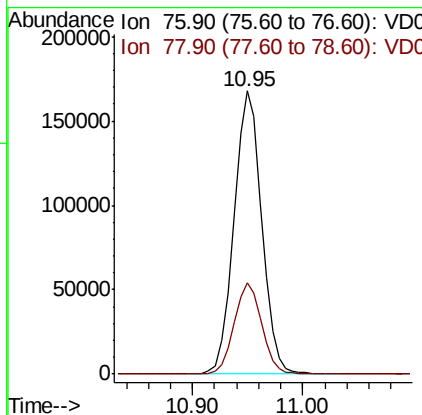
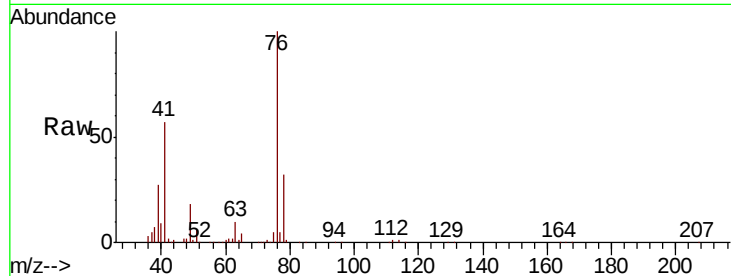




#57
 1,3-Dichloropropane
 Concen: 53.397 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064350.D
 Acq: 22 Nov 2019 17:20

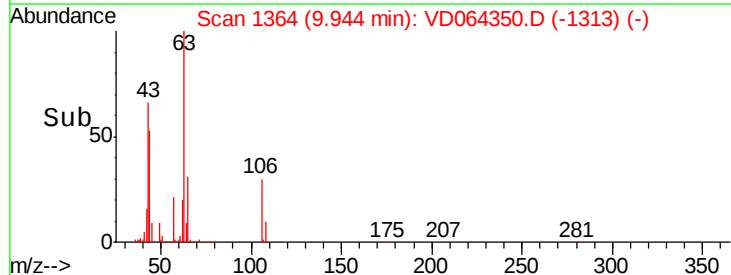
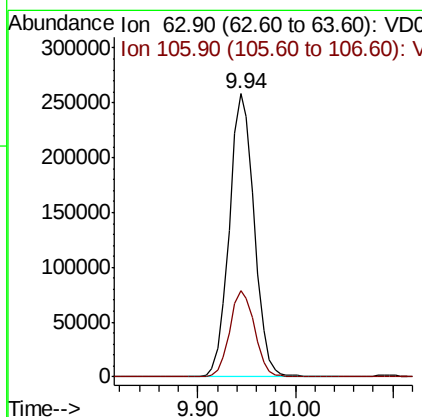
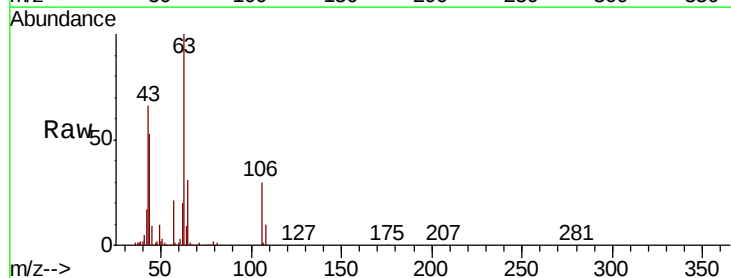
Instrument :
 MSVOA_D
 ClientSampleId :

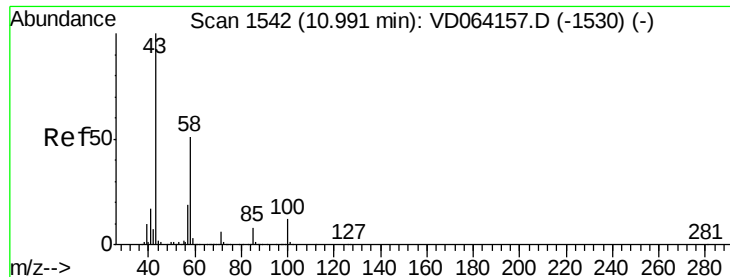
Tot Ion: 76 Resp: 295377
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 253.963 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD064350.D
 Acq: 22 Nov 2019 17:20

Tgt Ion: 63 Resp: 456455
 Ion Ratio Lower Upper
 63 100
 106 30.3 24.1 36.1

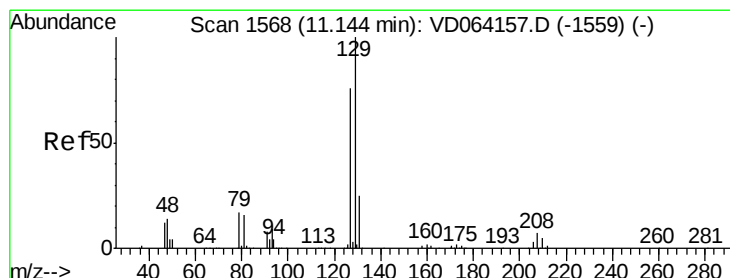
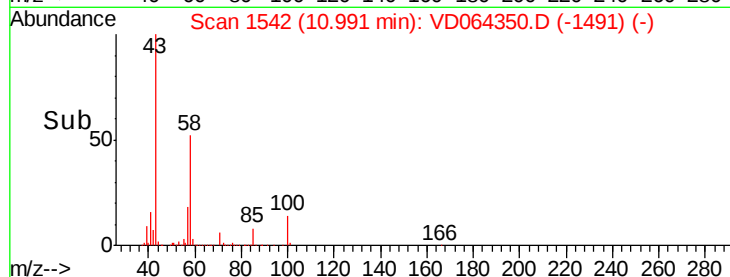
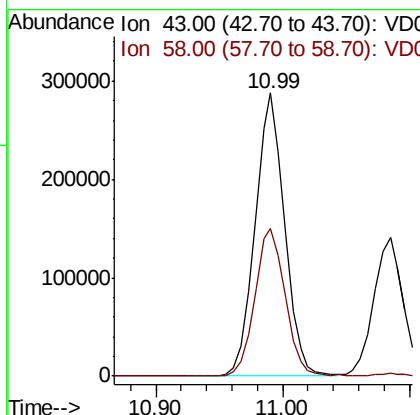
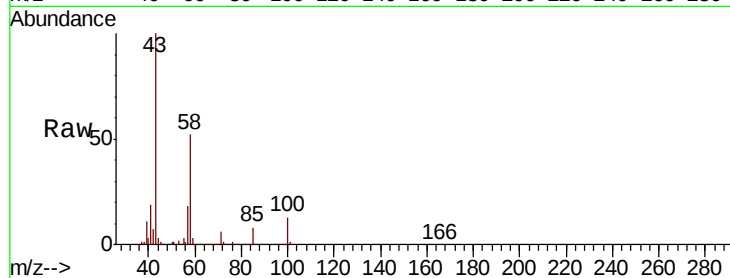




#59
2-Hexanone
Concen: 239.475 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

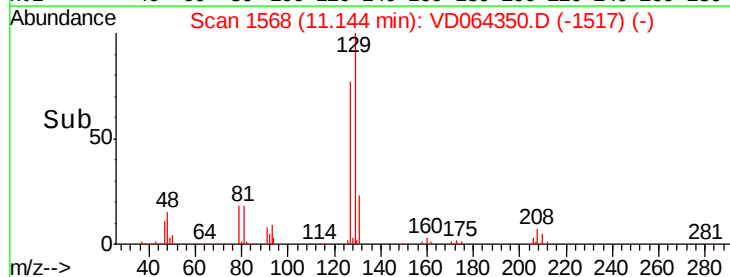
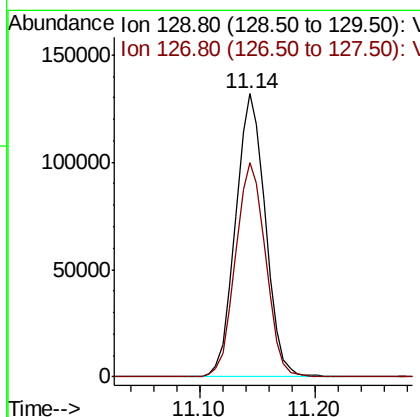
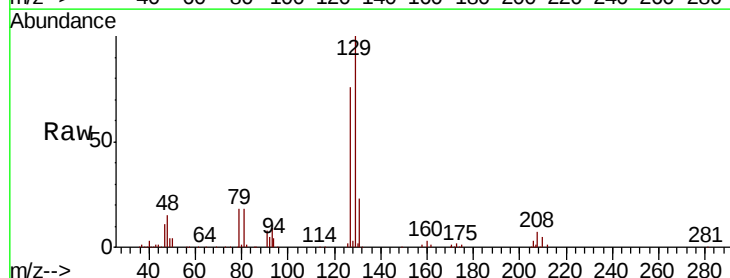
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 465939
Ion Ratio Lower Upper
43 100
58 53.8 25.9 77.7



#60
Dibromochloromethane
Concen: 53.256 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

Tgt Ion: 129 Resp: 235709
Ion Ratio Lower Upper
129 100
127 76.7 38.6 115.8

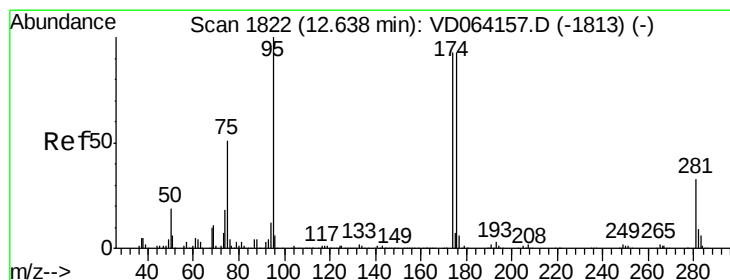
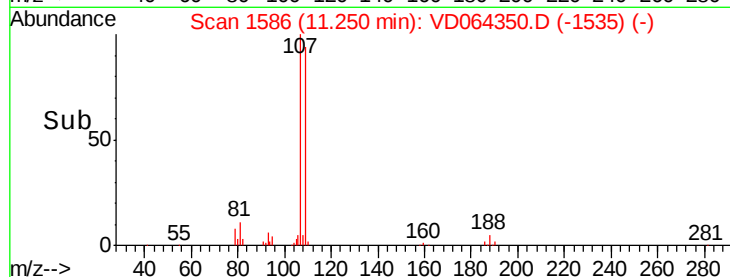
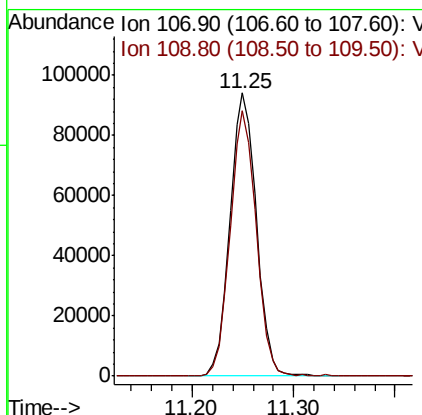
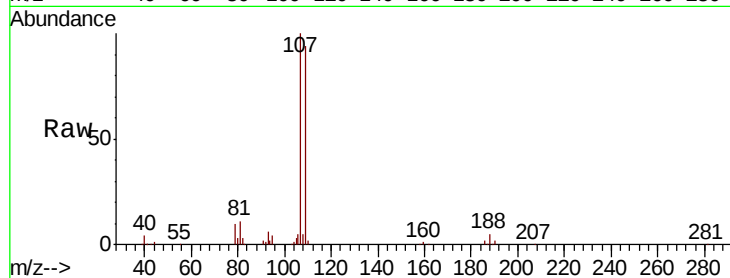




#61
 1,2-Dibromoethane
 Concen: 53.552 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064350.D
 Acq: 22 Nov 2019 17:20

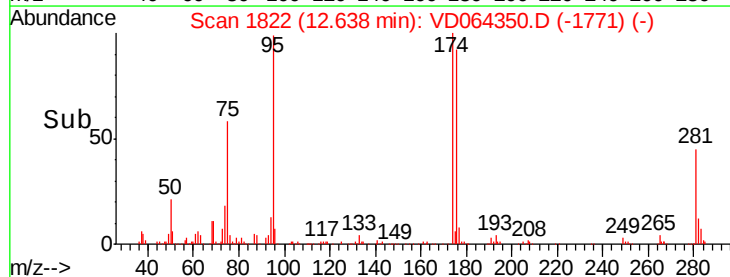
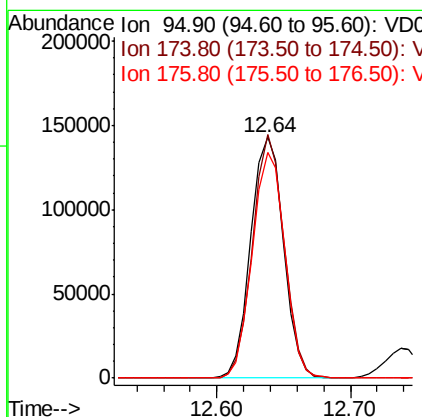
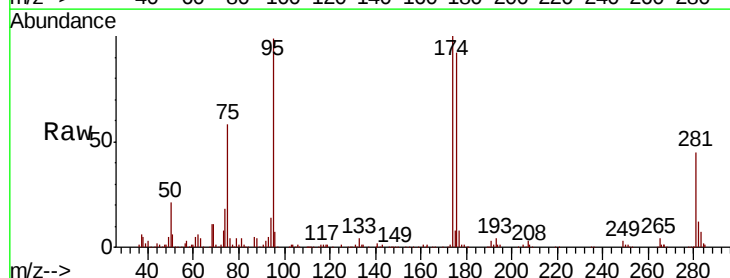
Instrument :
 MSVOA_D
 ClientSampled :

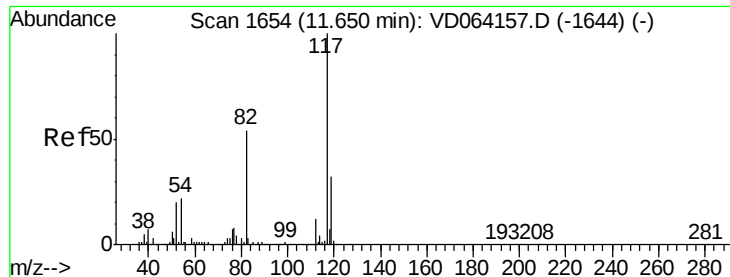
Tot Ion:107 Resp: 170132
 Ion Ratio Lower Upper
 107 100
 109 92.3 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 45.350 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064350.D
 Acq: 22 Nov 2019 17:20

Tgt Ion: 95 Resp: 241934
 Ion Ratio Lower Upper
 95 100
 174 96.7 0.0 183.6
 176 93.1 0.0 180.2

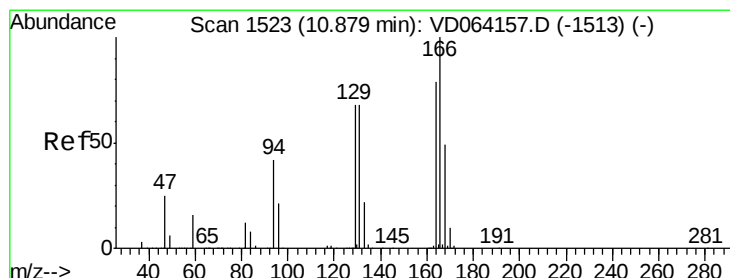
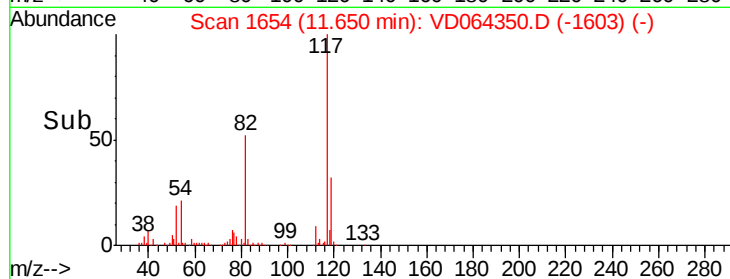
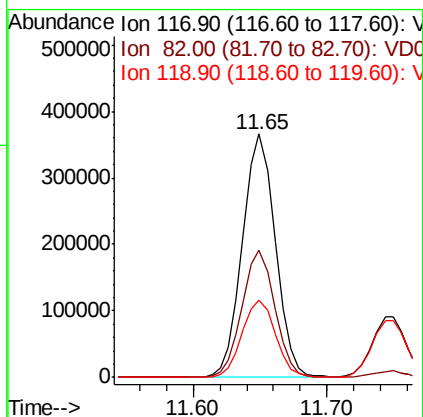
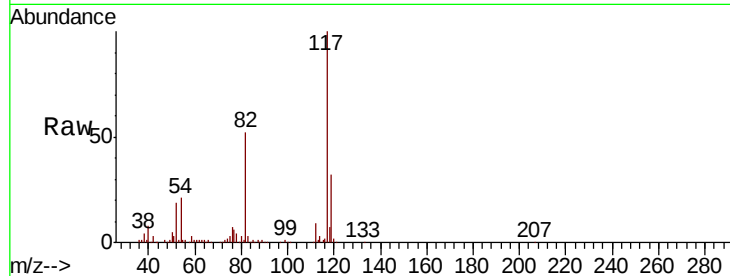




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

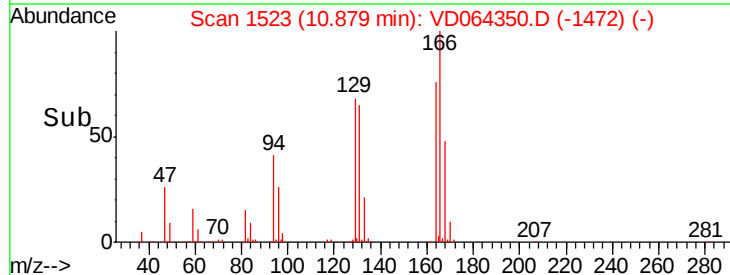
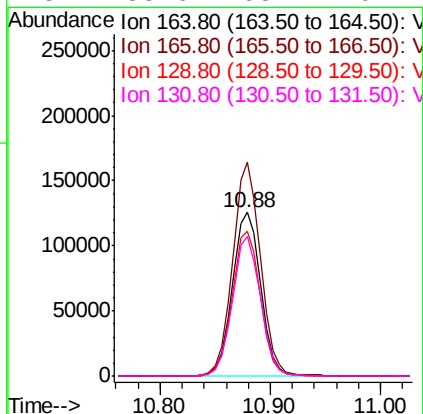
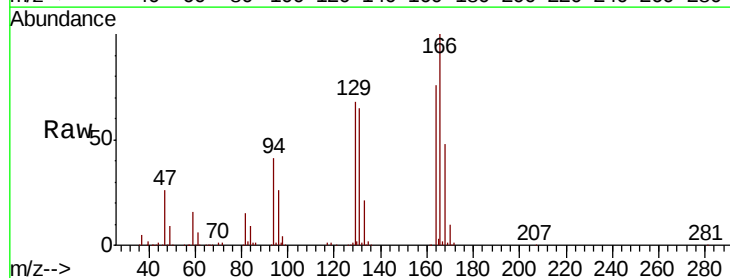
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 624873
Ion Ratio Lower Upper
117 100
82 52.0 42.8 64.2
119 31.8 25.6 38.4



#64
Tetrachloroethene
Concen: 47.142 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

Tgt Ion:164 Resp: 226559
Ion Ratio Lower Upper
164 100
166 130.7 100.8 151.2
129 88.8 68.7 103.1
131 85.6 68.1 102.1

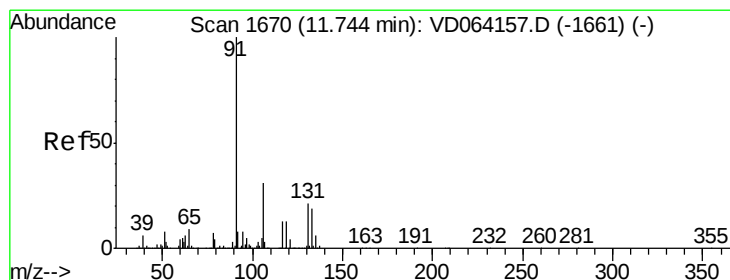
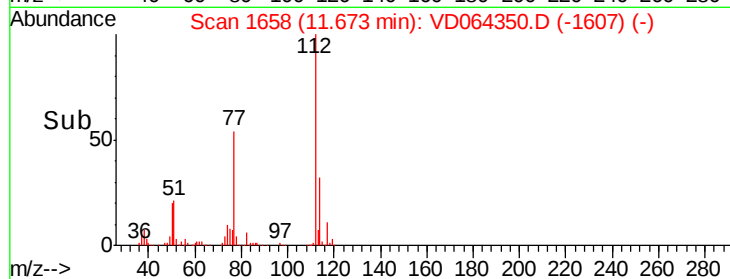
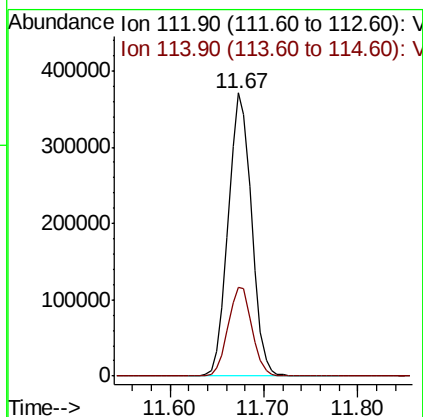
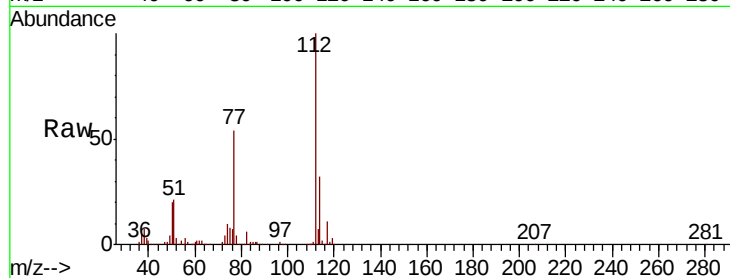




#65
Chlorobenzene
Concen: 50.306 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

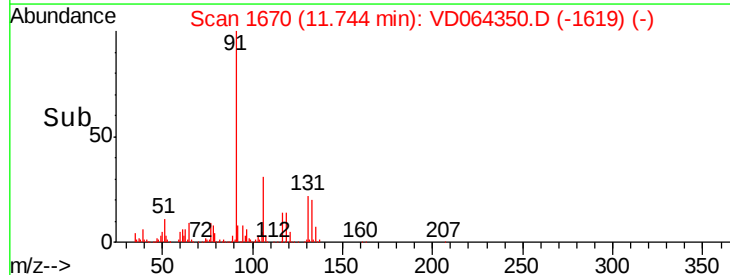
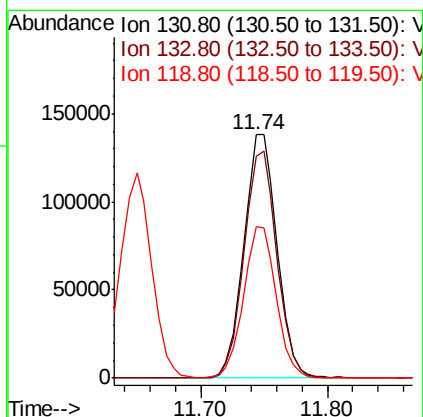
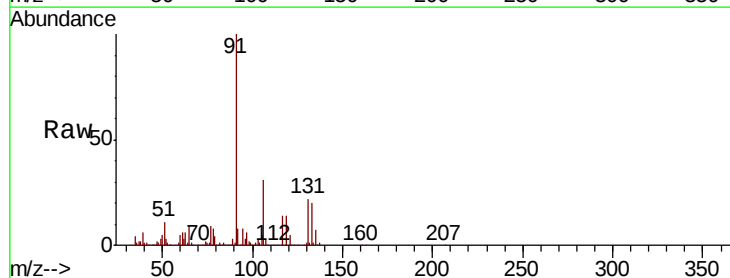
Instrument :
MSVOA_D
ClientSampleId :

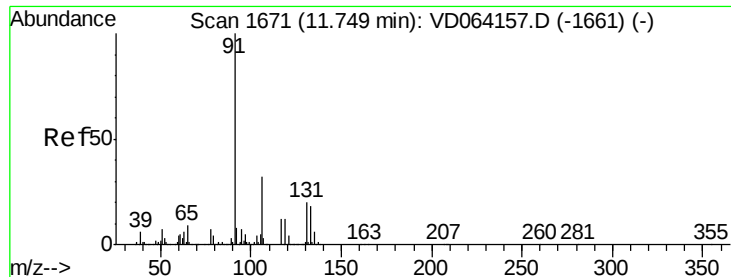
Tot Ion:112 Resp: 639232
Ion Ratio Lower Upper
112 100
114 31.5 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 51.956 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

Tgt Ion:131 Resp: 251035
Ion Ratio Lower Upper
131 100
133 92.6 47.3 141.9
119 61.4 31.1 93.3





#67

Ethyl Benzene

Concen: 49.330 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

Instrument :

MSVOA_D

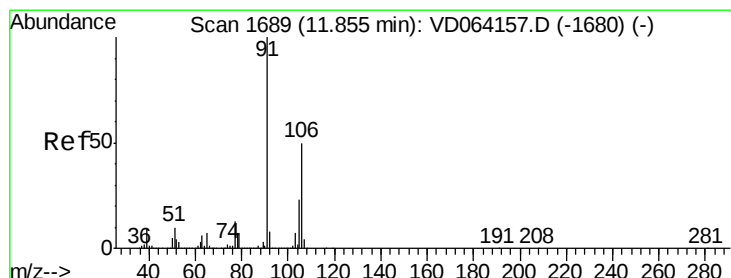
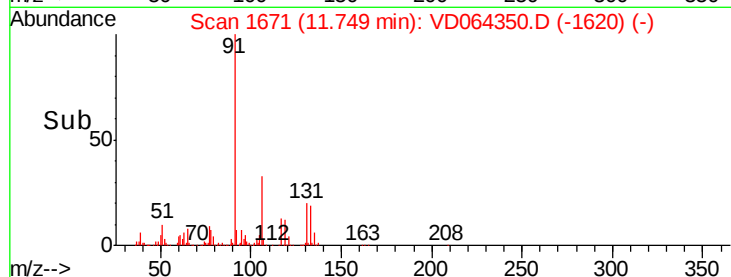
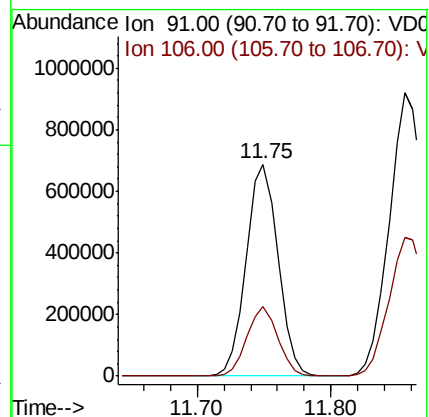
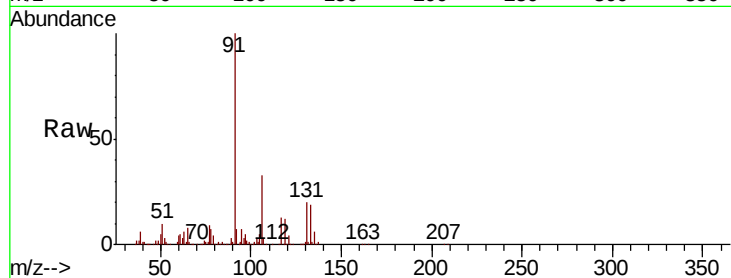
ClientSampled :

Tot Ion: 91 Resp: 1133819

Ion Ratio Lower Upper

91 100

106 32.8 25.5 38.3



#68

m/p-Xylenes

Concen: 99.310 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064350.D

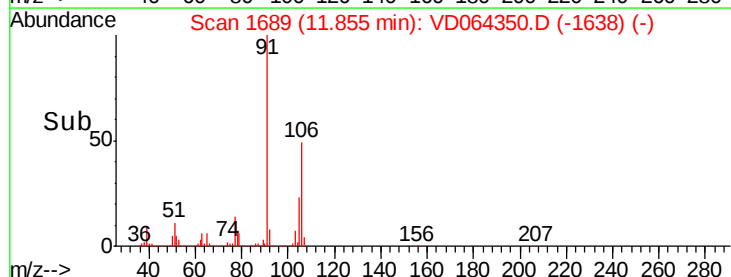
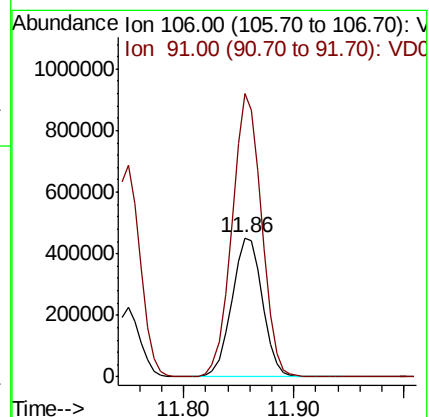
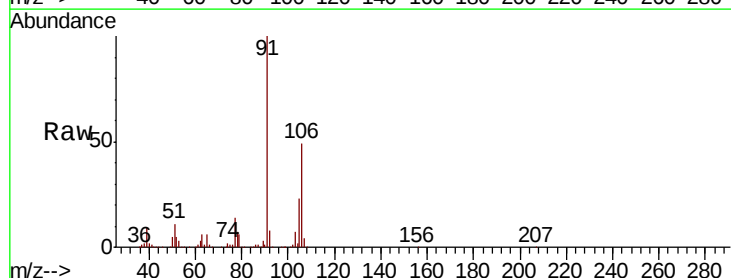
Acq: 22 Nov 2019 17:20

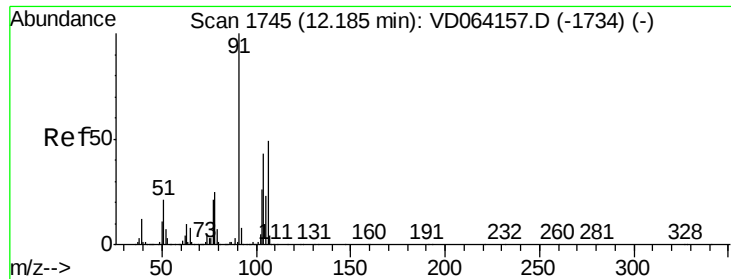
Tgt Ion: 106 Resp: 874919

Ion Ratio Lower Upper

106 100

91 196.8 160.3 240.5

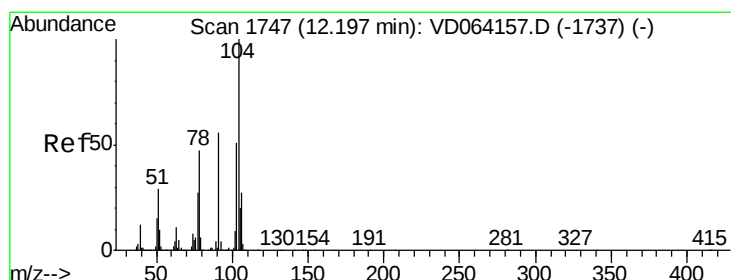
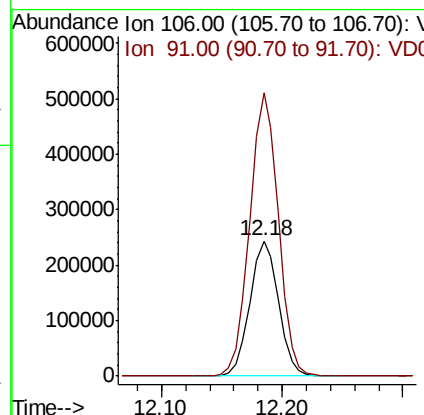
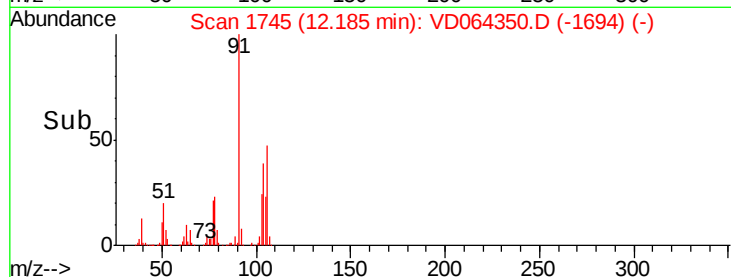
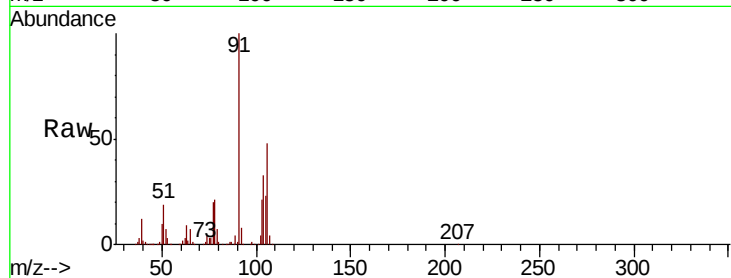




#69
o-Xylene
Concen: 49.421 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

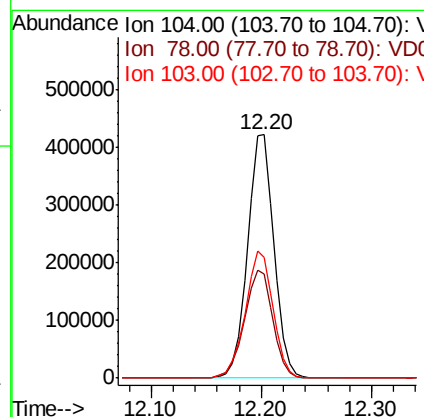
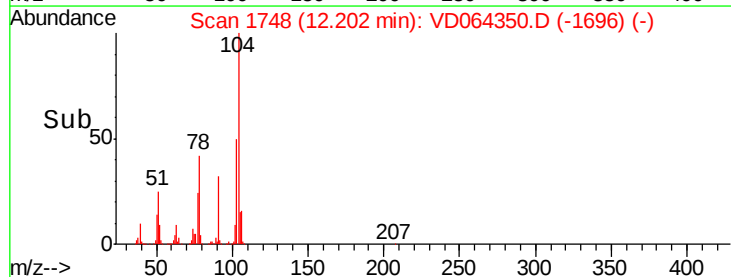
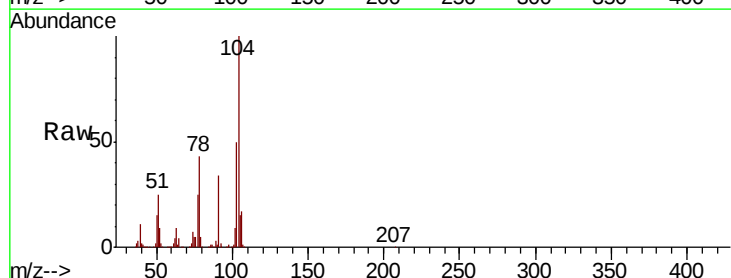
Instrument :
MSVOA_D
ClientSampleId :

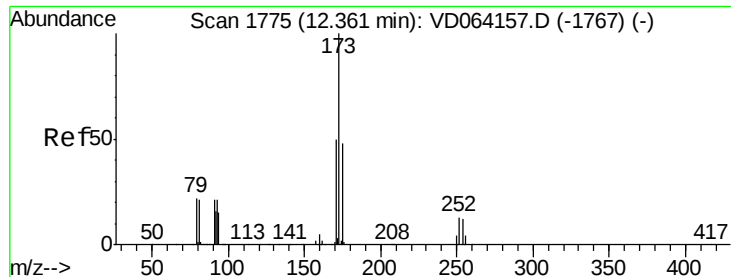
Tot Ion:106 Resp: 403804
Ion Ratio Lower Upper
106 100
91 209.6 105.1 315.3



#70
Styrene
Concen: 49.863 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

Tgt Ion:104 Resp: 711181
Ion Ratio Lower Upper
104 100
78 47.5 39.9 59.9
103 54.7 43.4 65.0





#71

Bromoform

Concen: 52.662 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

Instrument :

MSVOA_D

ClientSampleId :

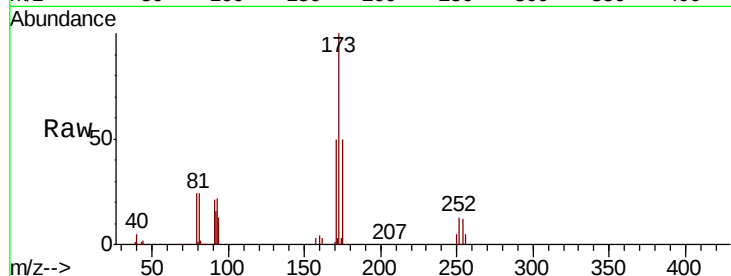
Tot Ion:173 Resp: 144806

Ion Ratio Lower Upper

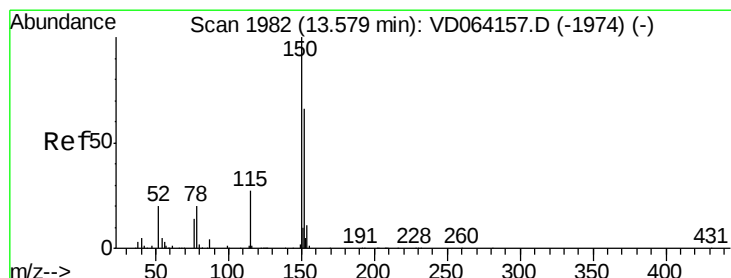
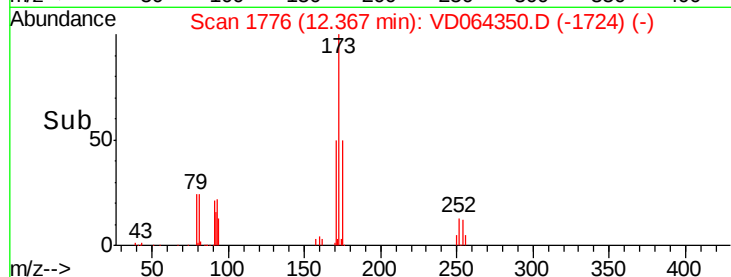
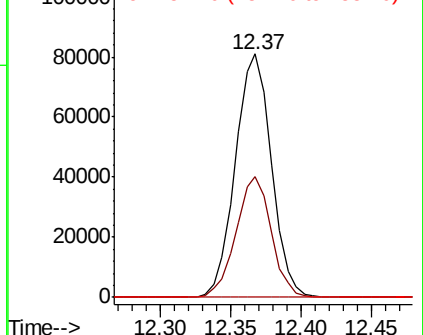
173 100

175 48.4 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: VD064350.D

Acq: 22 Nov 2019 17:20

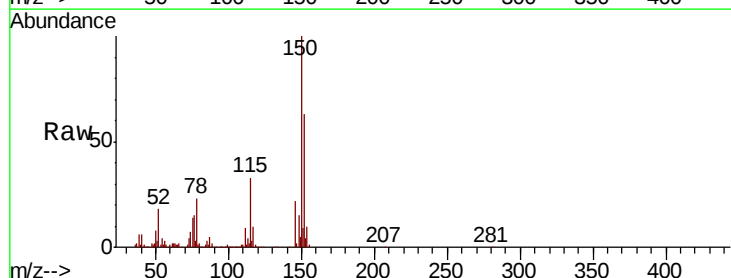
Tgt Ion:152 Resp: 318847

Ion Ratio Lower Upper

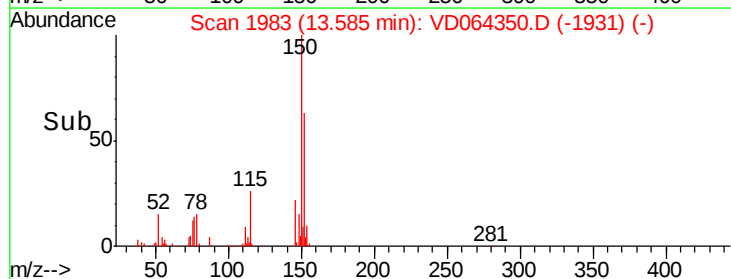
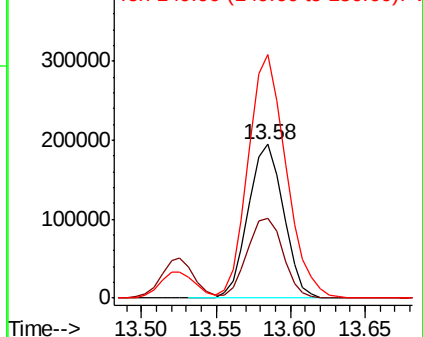
152 100

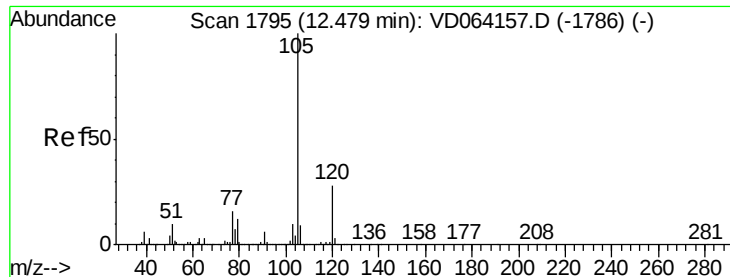
115 53.3 27.4 82.2

150 170.2 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: 46.643 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

Instrument :

MSVOA_D

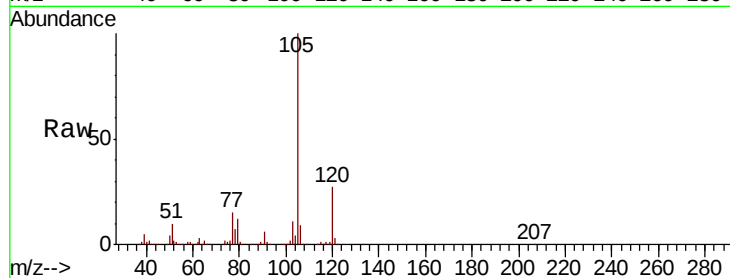
ClientSampleId :

Tot Ion:105 Resp: 1091594

Ion Ratio Lower Upper

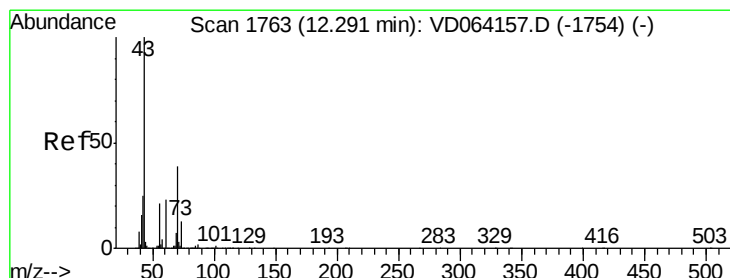
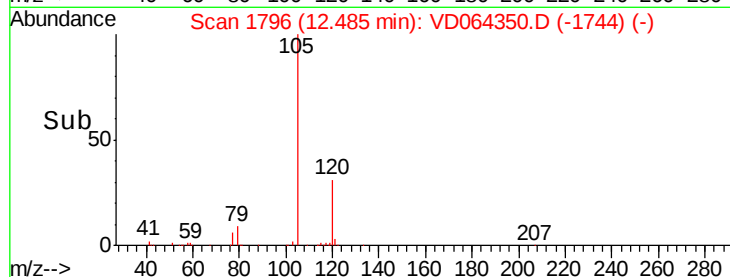
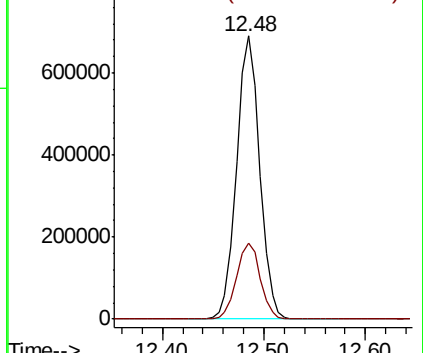
105 100

120 27.4 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: 45.534 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

Tgt Ion: 43 Resp: 251650

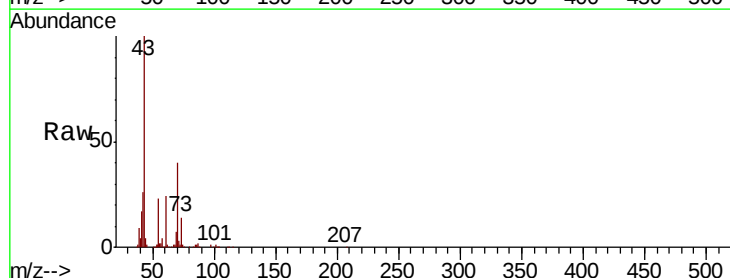
Ion Ratio Lower Upper

43 100

70 41.4 32.4 48.6

55 23.2 17.9 26.9

61 23.3 19.0 28.4

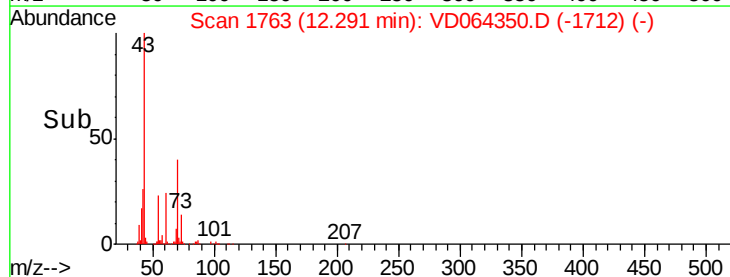
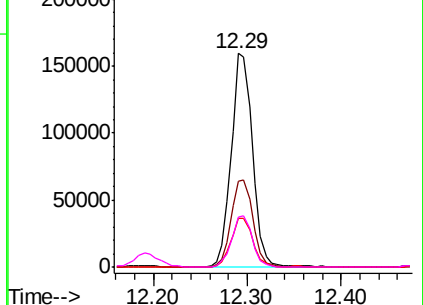


Abundance Ion 43.00 (42.70 to 43.70): V

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: 52.312 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

Instrument :

MSVOA_D

ClientSampled :

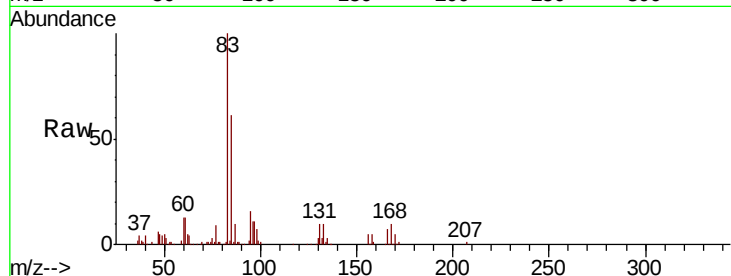
Tot Ion: 83 Resp: 184477

Ion Ratio Lower Upper

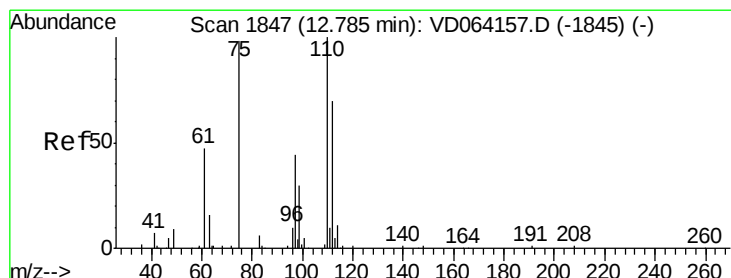
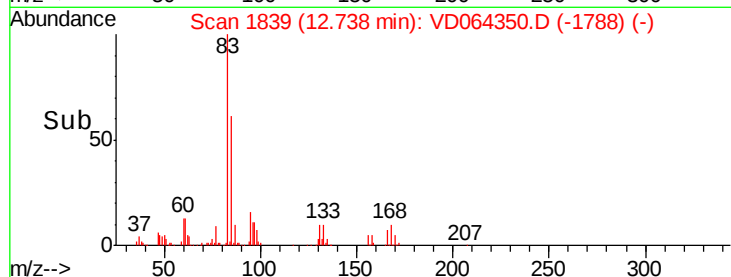
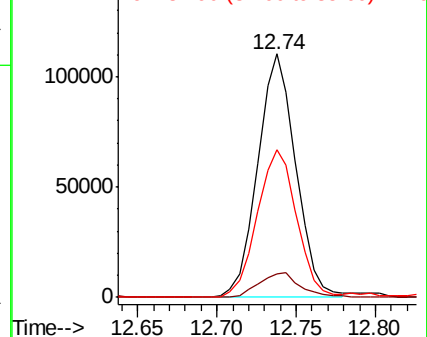
83 100

131 10.9 5.9 17.7

85 62.7 32.5 97.5



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



#76

1,2,3-Trichloropropane

Concen: 92.169 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD064350.D

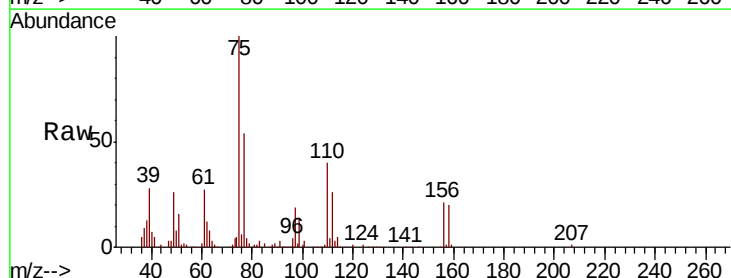
Acq: 22 Nov 2019 17:20

Tgt Ion: 75 Resp: 236710

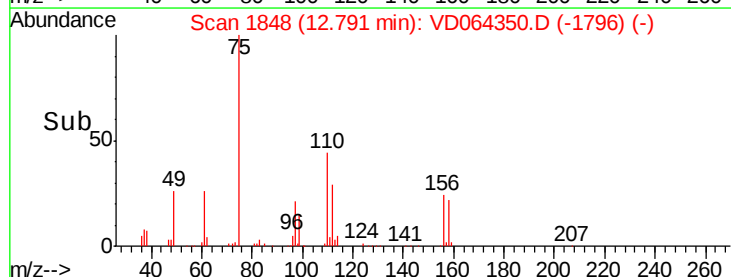
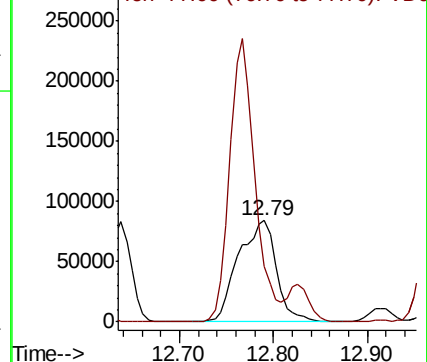
Ion Ratio Lower Upper

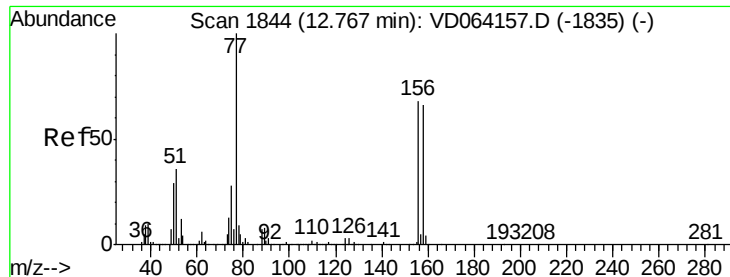
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 49.435 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

Instrument :

MSVOA_D

ClientSampled :

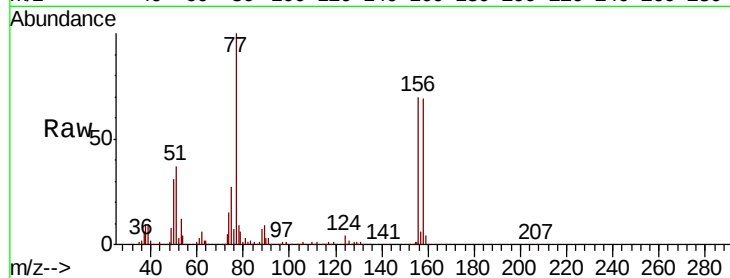
Tot Ion:156 Resp: 281069

Ion Ratio Lower Upper

156 100

77 156.8 81.2 243.4

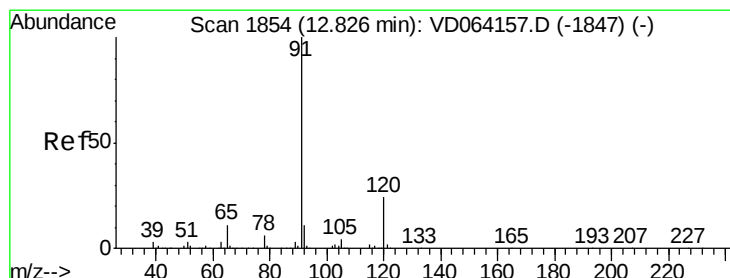
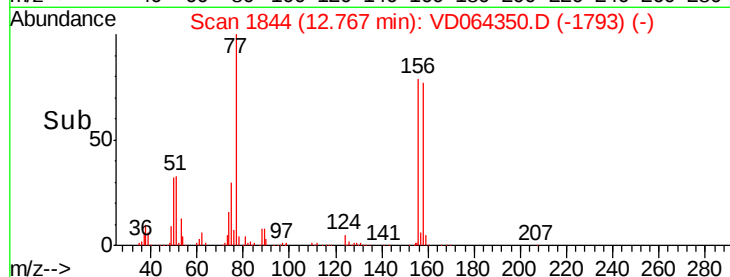
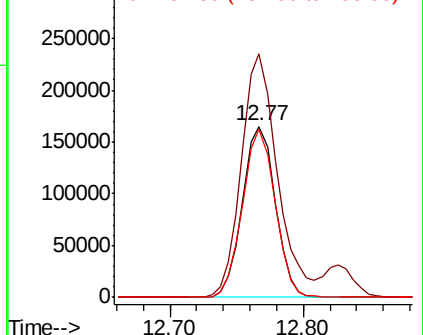
158 97.5 48.4 145.2



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: 46.994 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064350.D

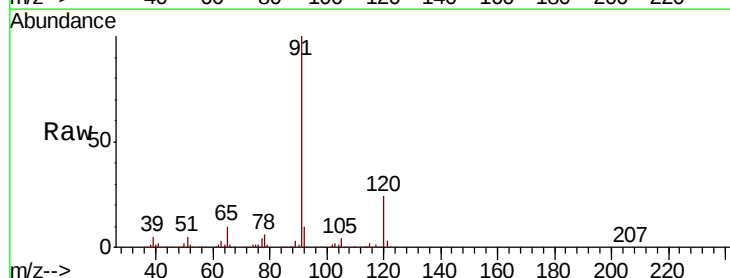
Acq: 22 Nov 2019 17:20

Tgt Ion: 91 Resp: 1256564

Ion Ratio Lower Upper

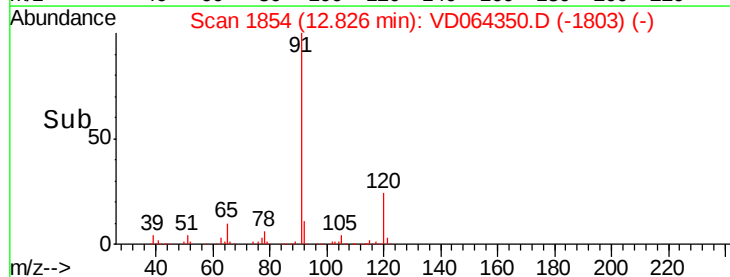
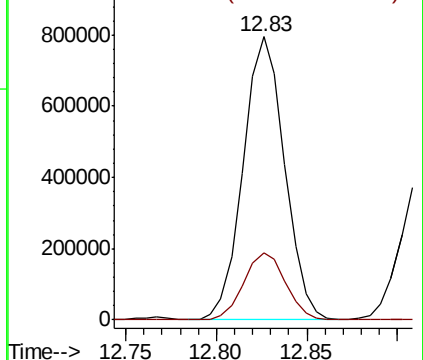
91 100

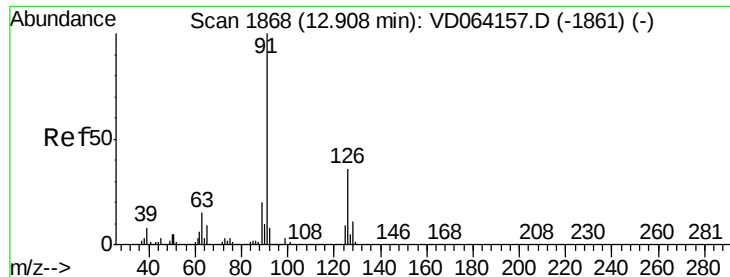
120 24.0 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.086 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

Instrument :

MSVOA_D

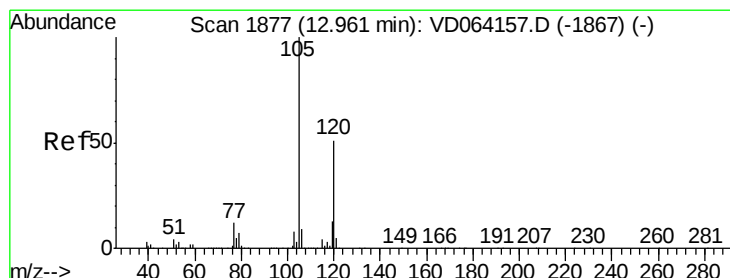
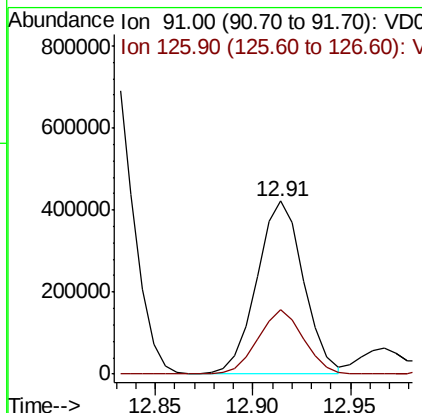
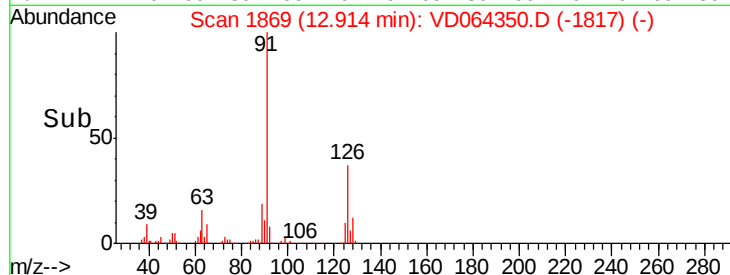
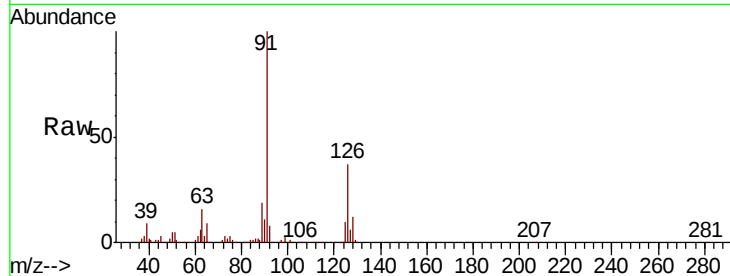
ClientSampleId :

Tot Ion: 91 Resp: 695720

Ion Ratio Lower Upper

91 100

126 36.4 17.7 53.1



#80

1,3,5-Trimethylbenzene

Concen: 46.962 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD064350.D

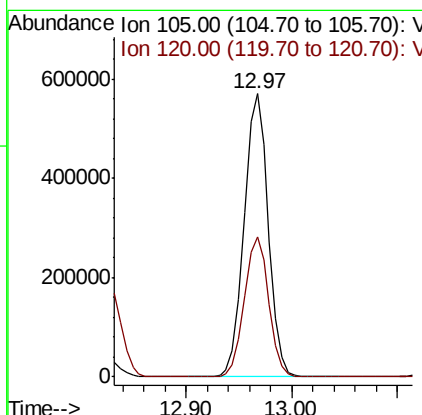
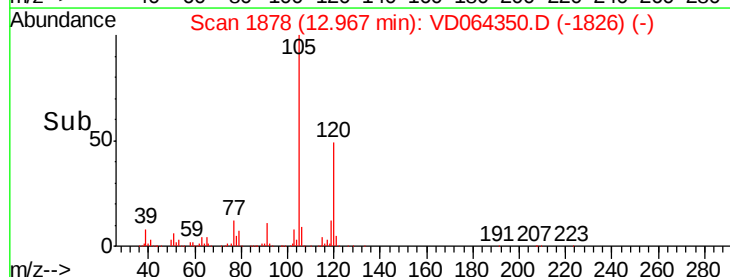
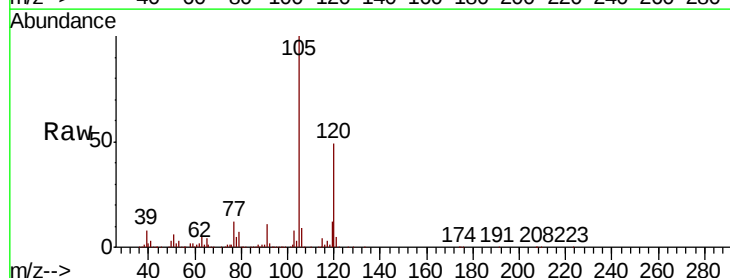
Acq: 22 Nov 2019 17:20

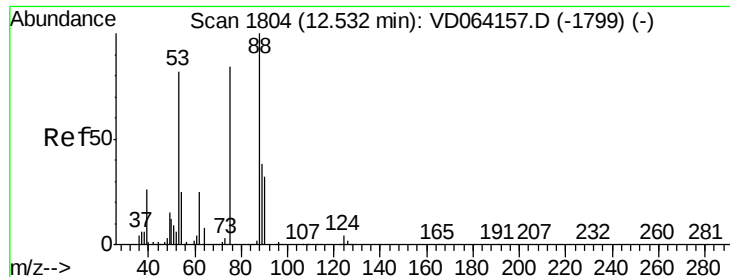
Tgt Ion: 105 Resp: 903105

Ion Ratio Lower Upper

105 100

120 50.0 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 45.897 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

Instrument :

MSVOA_D

ClientSampleId :

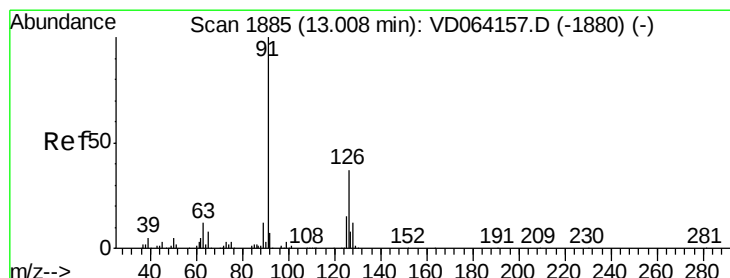
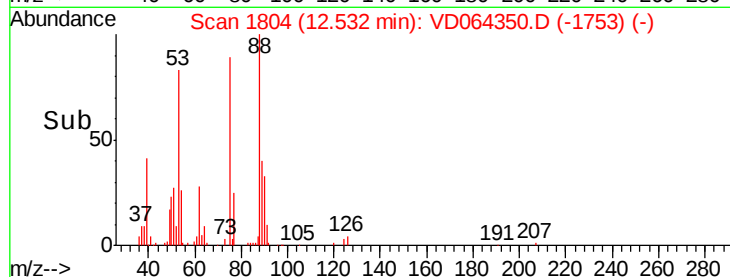
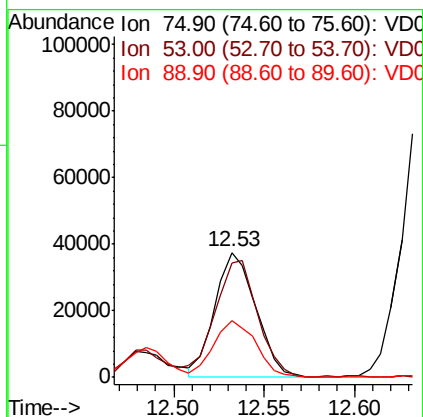
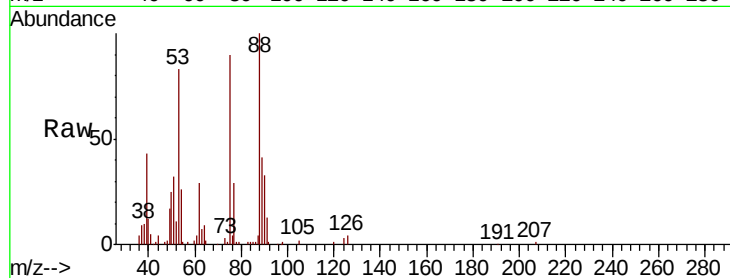
Tot Ion: 75 Resp: 59341

Ion Ratio Lower Upper

75 100

53 99.0 79.4 119.0

89 46.7 36.6 55.0



#82

4-Chlorotoluene

Concen: 46.690 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD064350.D

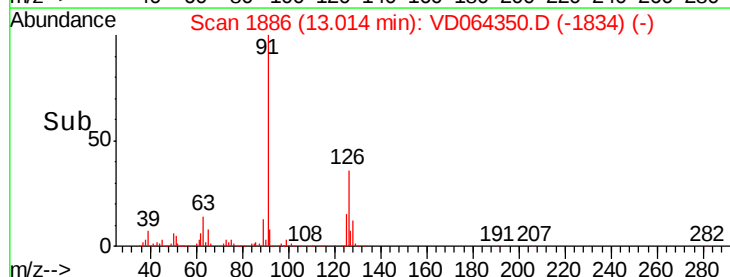
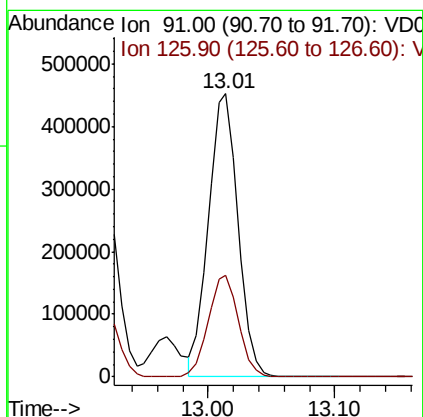
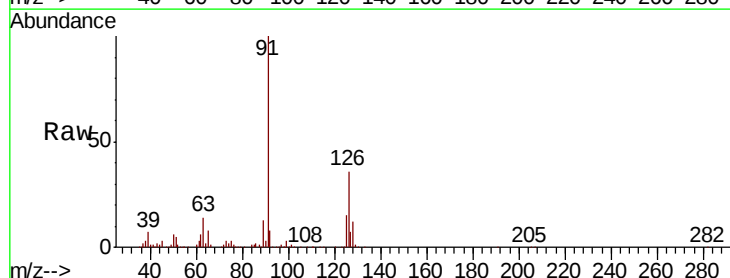
Acq: 22 Nov 2019 17:20

Tgt Ion: 91 Resp: 735156

Ion Ratio Lower Upper

91 100

126 36.6 17.8 53.4





#83

tert-Butylbenzene

Concen: 46.371 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.01 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

Instrument :

MSVOA_D

ClientSampleId :

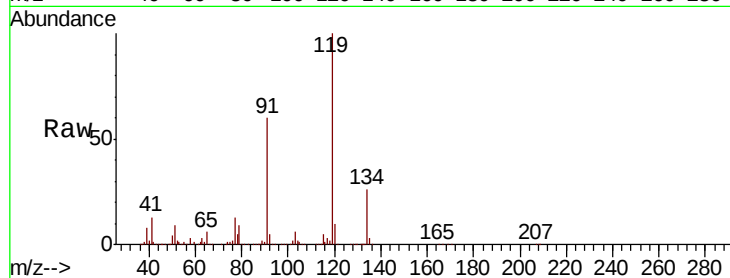
Tot Ion:119 Resp: 786319

Ion Ratio Lower Upper

119 100

91 60.6 31.8 95.4

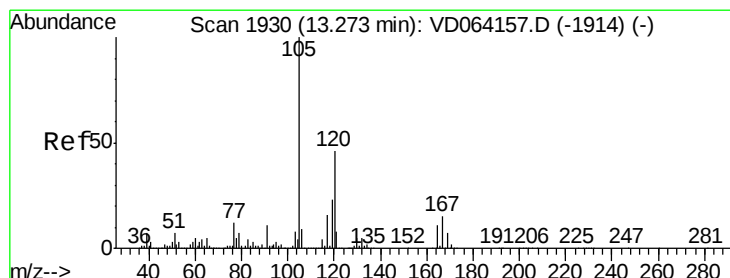
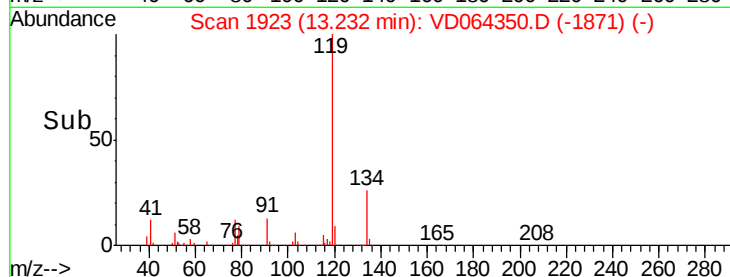
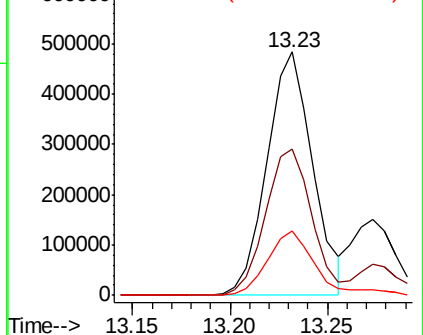
134 27.7 13.7 41.0



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: 48.114 ug/l

RT: 13.28 min Scan# 1931

Delta R.T. 0.01 min

Lab File: VD064350.D

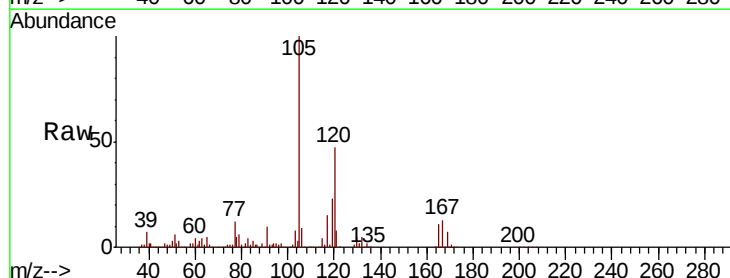
Acq: 22 Nov 2019 17:20

Tgt Ion:105 Resp: 913476

Ion Ratio Lower Upper

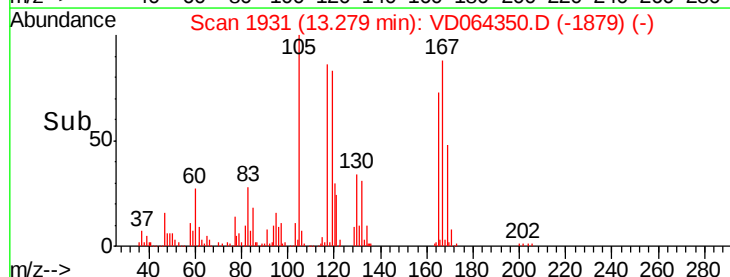
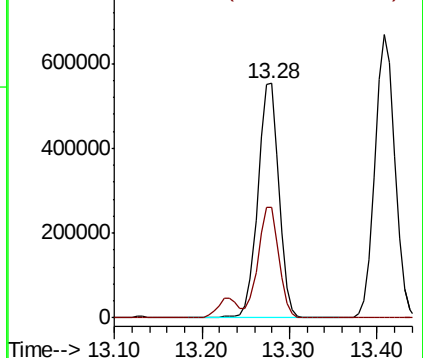
105 100

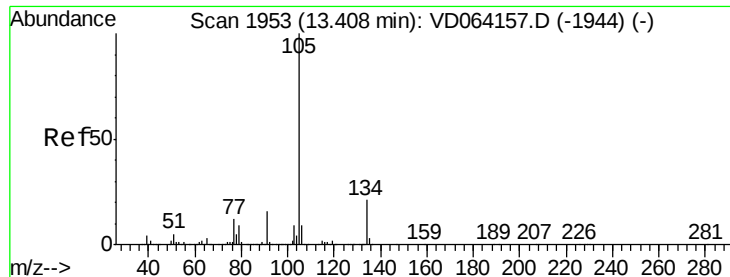
120 46.4 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 46.696 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

Instrument :

MSVOA_D

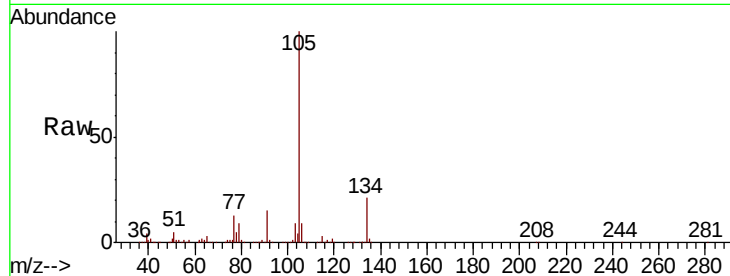
ClientSampleId :

Tot Ion:105 Resp: 1063490

Ion Ratio Lower Upper

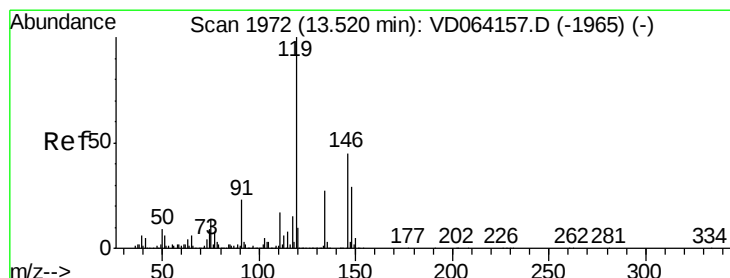
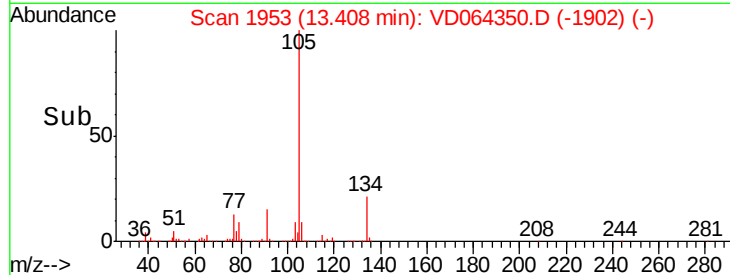
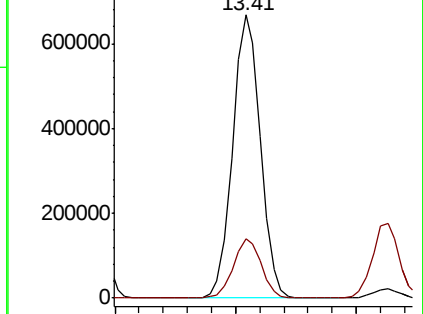
105 100

134 21.1 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: 46.661 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

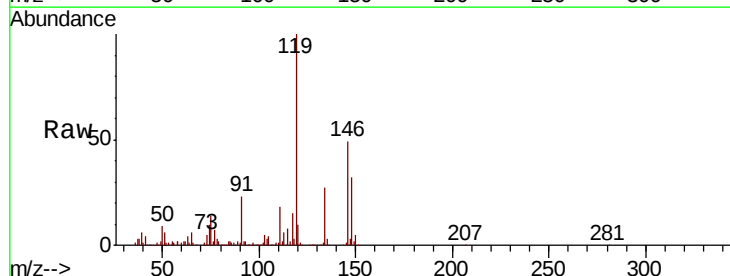
Tgt Ion:119 Resp: 1010313

Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.5

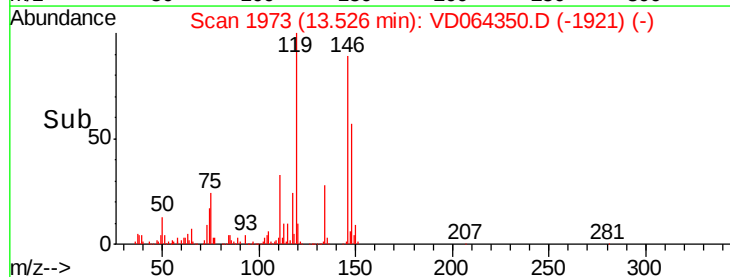
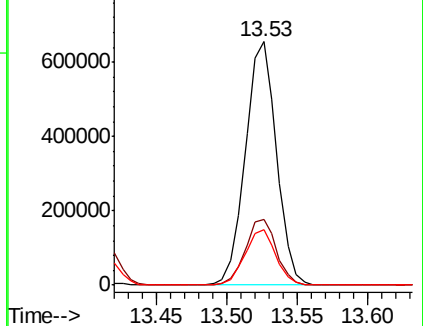
91 22.6 11.5 34.4

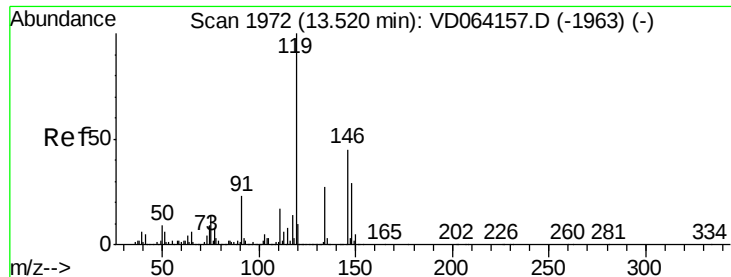


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

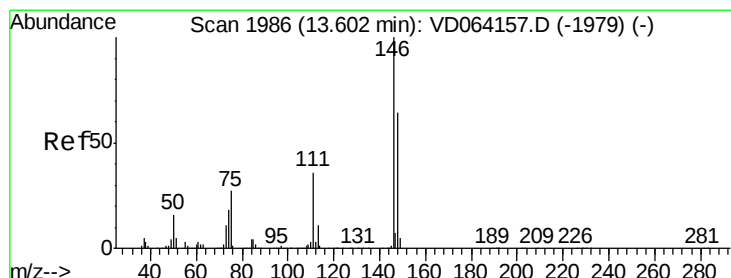
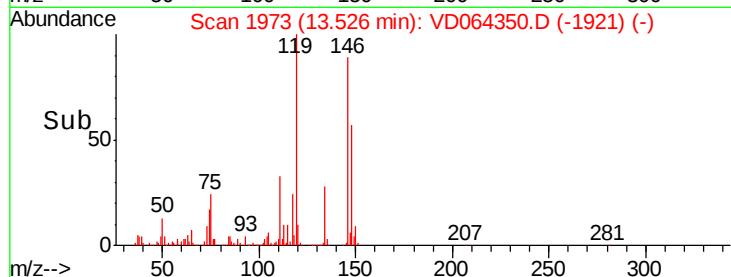
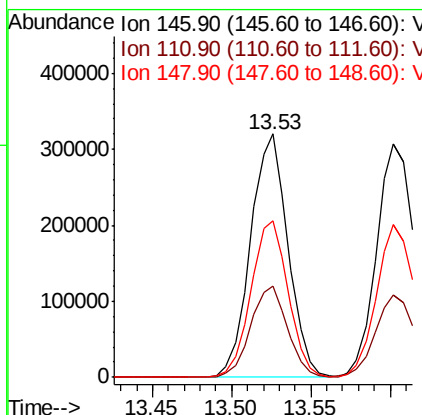
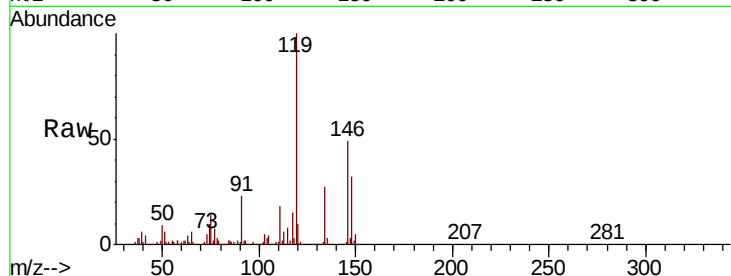




#87
 1,3-Dichlorobenzene
 Concen: 49.693 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD064350.D
 Acq: 22 Nov 2019 17:20

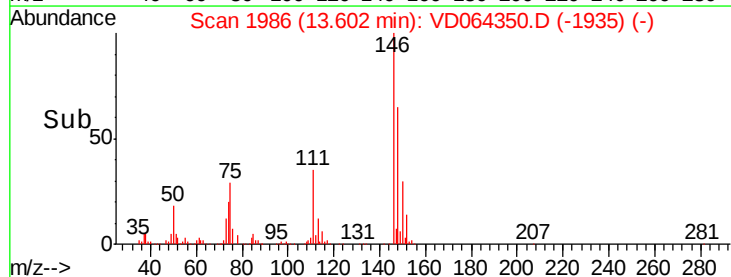
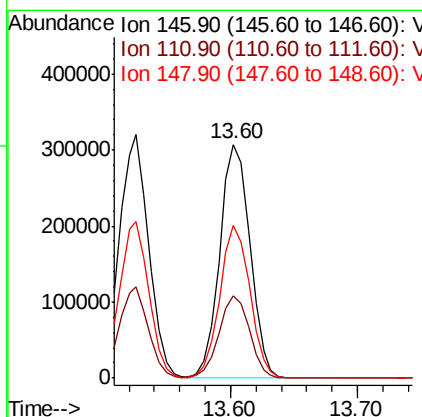
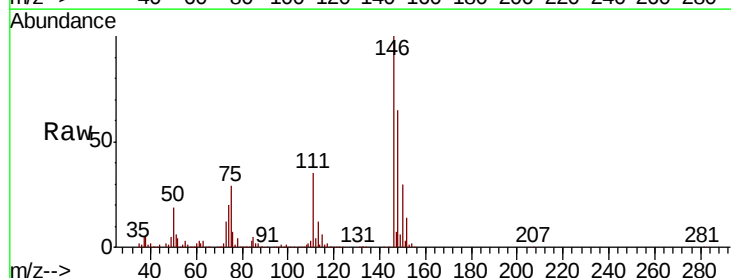
Instrument :
 MSVOA_D
 ClientSampleId :

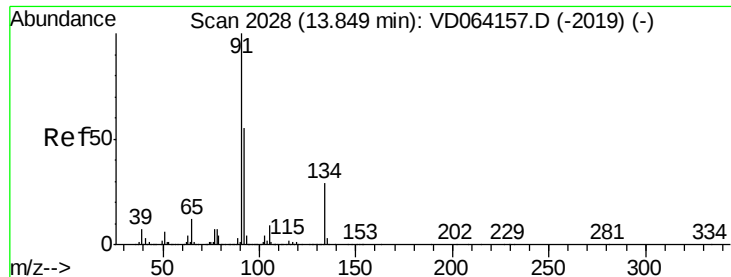
Tot Ion:146 Resp: 524474
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.9 56.9
 148 64.0 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 49.506 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064350.D
 Acq: 22 Nov 2019 17:20

Tgt Ion:146 Resp: 509955
 Ion Ratio Lower Upper
 146 100
 111 35.8 18.1 54.4
 148 64.9 31.9 95.7

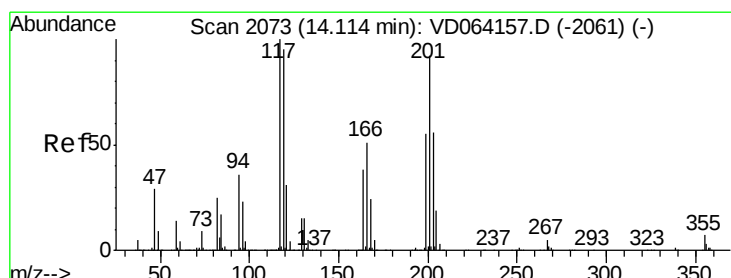
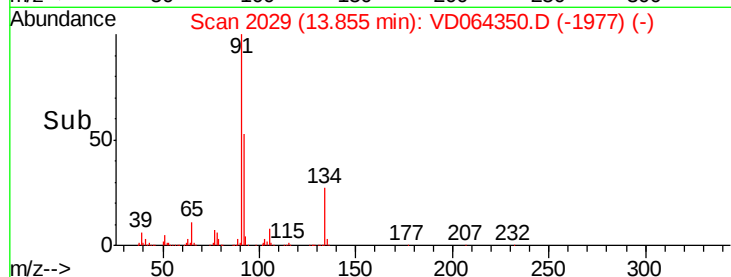
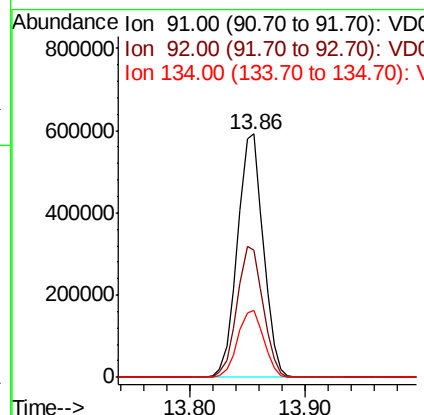
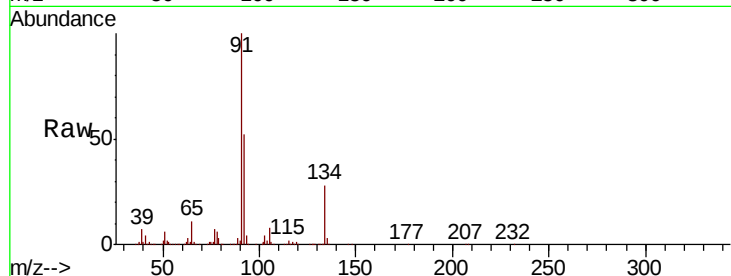




#89
n-Butylbenzene
Concen: 47.010 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

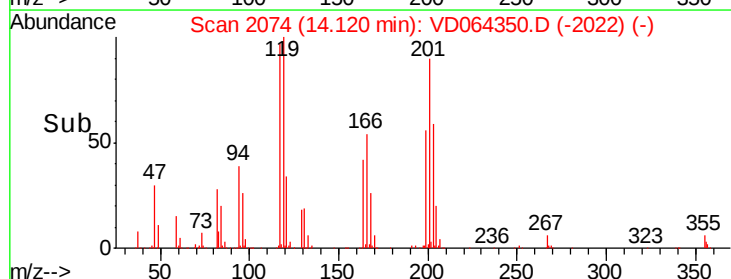
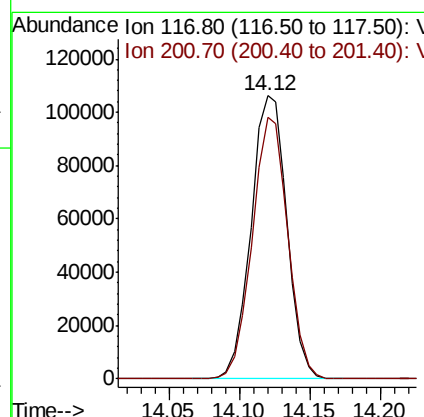
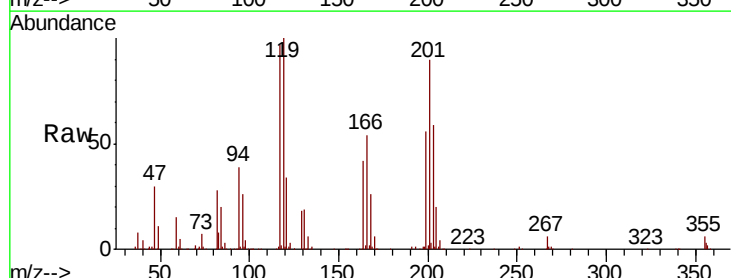
Instrument :
MSVOA_D
ClientSampleId :

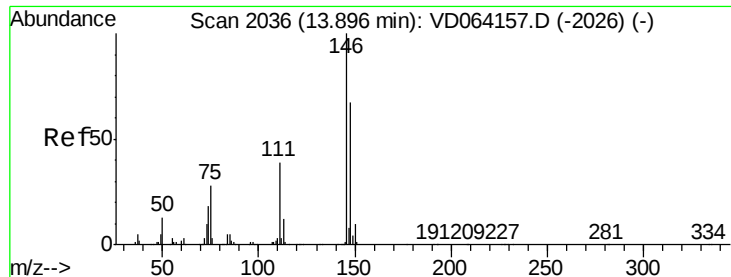
Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	27.3	81.8
134	27.7	14.1	42.4



#90
Hexachloroethane
Concen: 47.180 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.5	45.8	137.4

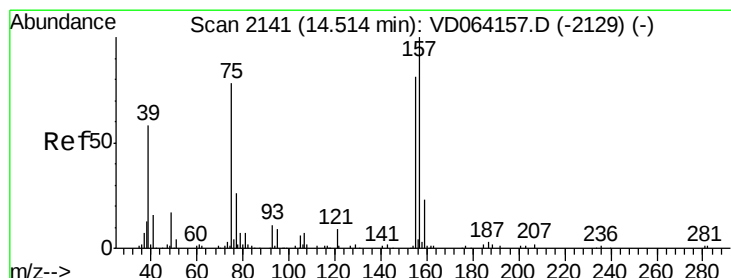
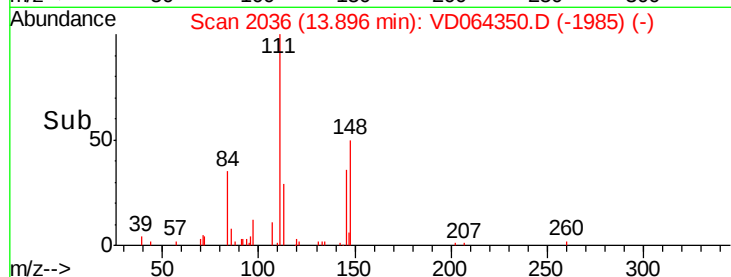
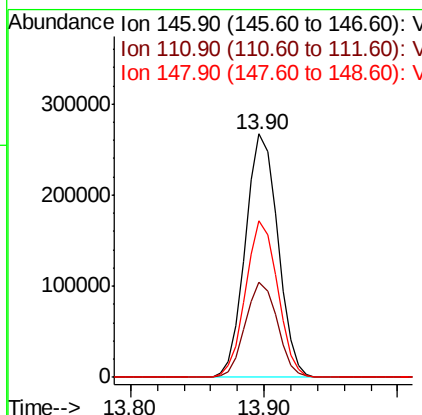
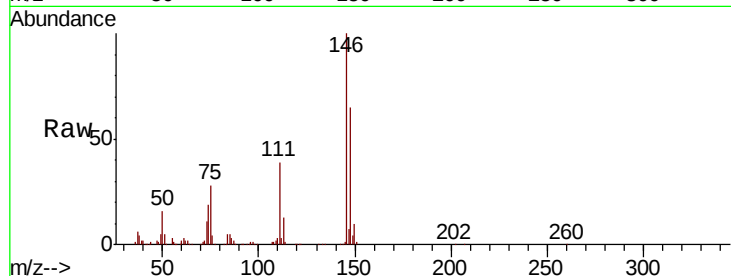




#91
 1,2-Dichlorobenzene
 Concen: 50.187 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD064350.D
 Acq: 22 Nov 2019 17:20

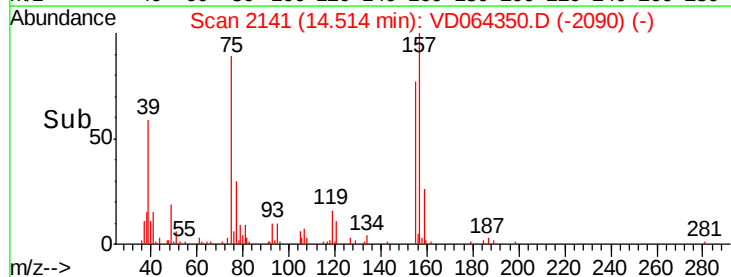
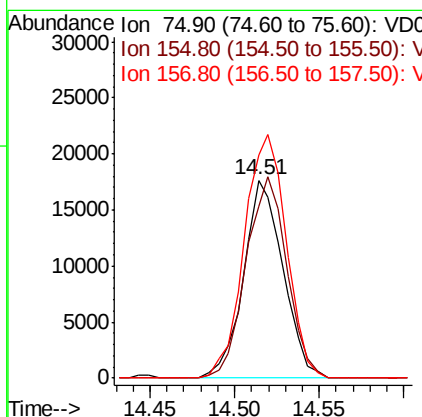
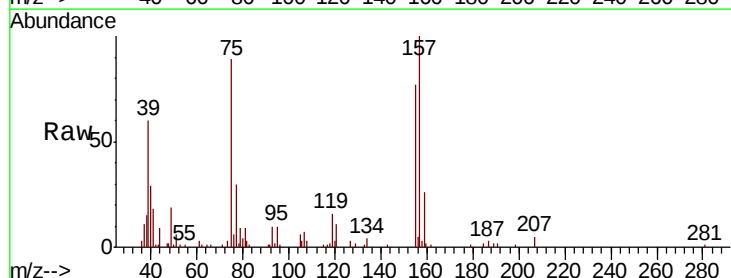
Instrument :
 MSVOA_D
 ClientSampled :

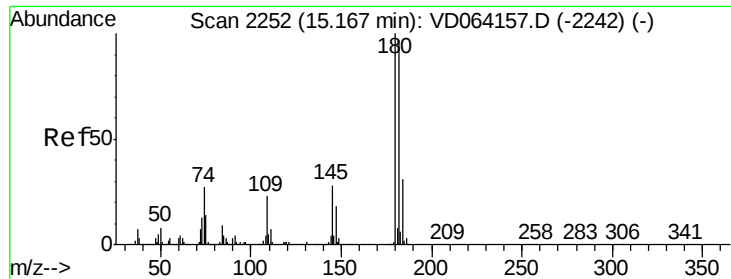
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.7	59.0
148	63.8	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.478 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD064350.D
 Acq: 22 Nov 2019 17:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	105.2	48.0	144.0
157	131.1	61.5	184.4

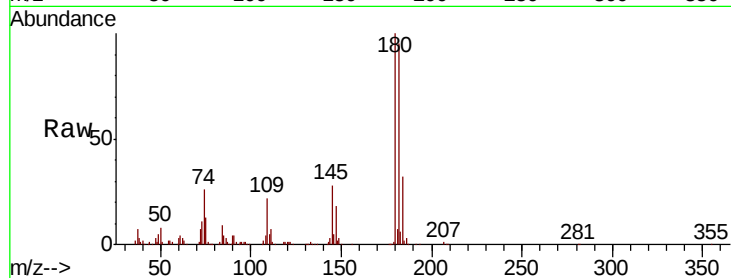




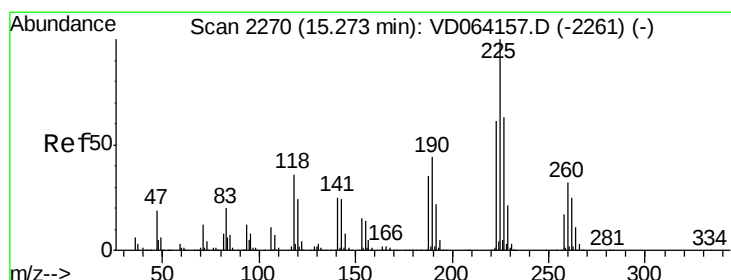
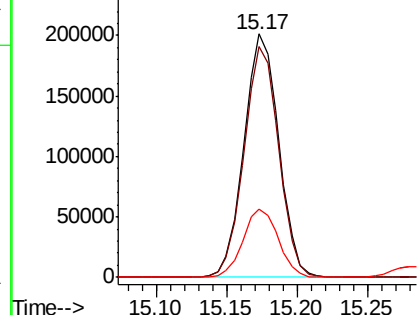
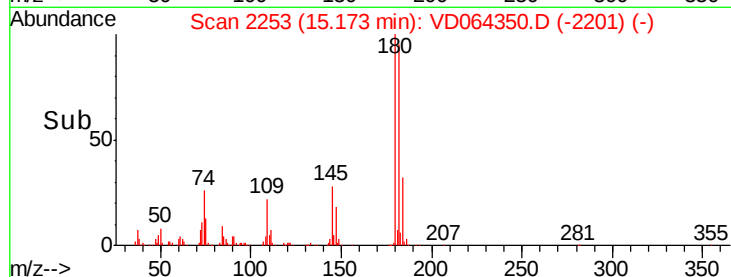
#93
 1,2,4-Trichlorobenzene
 Concen: 50.425 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064350.D
 Acq: 22 Nov 2019 17:20

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.5	142.5
145	28.4	14.2	42.6

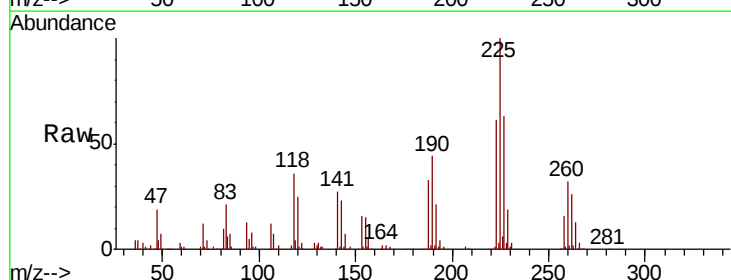


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

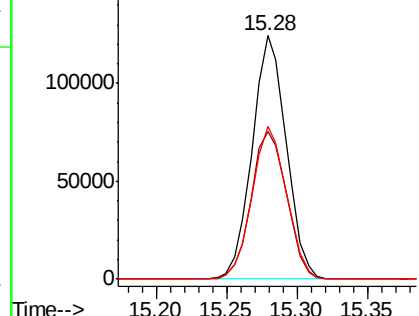
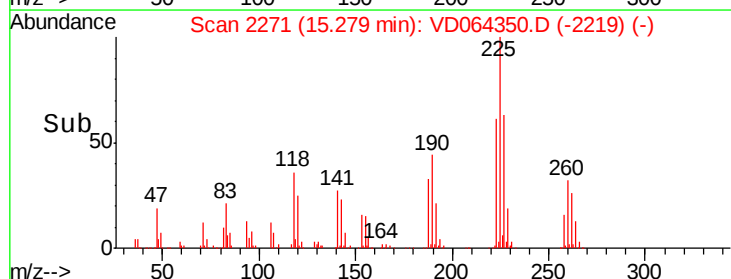


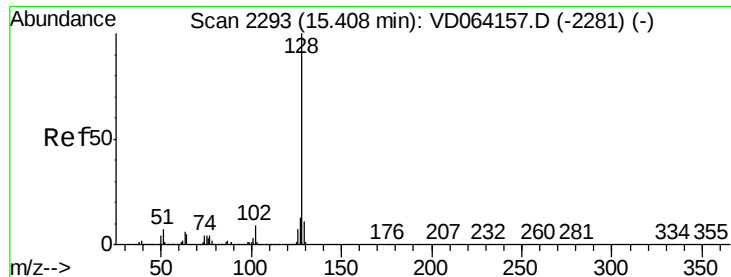
#94
 Hexachlorobutadiene
 Concen: 47.543 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064350.D
 Acq: 22 Nov 2019 17:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.1	93.3
227	63.4	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: 51.078 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

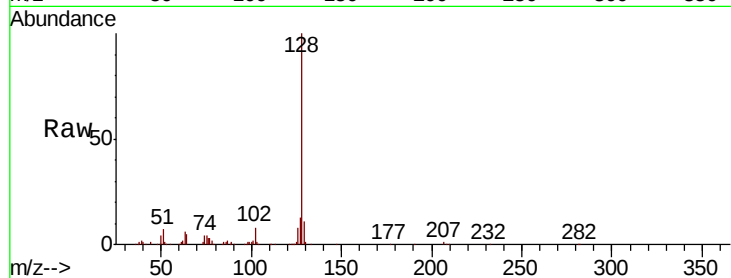
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:128 Resp: 576987

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	11.0	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

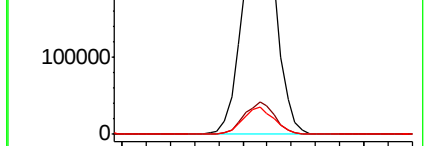
15.41

300000

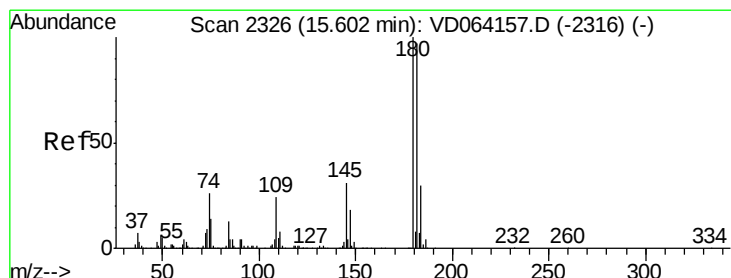
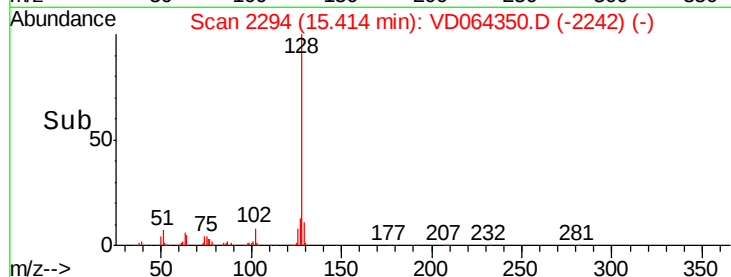
200000

100000

0



Time--> 15.30 15.40 15.50



#96

1,2,3-Trichlorobenzene

Concen: 51.377 ug/l

RT: 15.61 min Scan# 2327

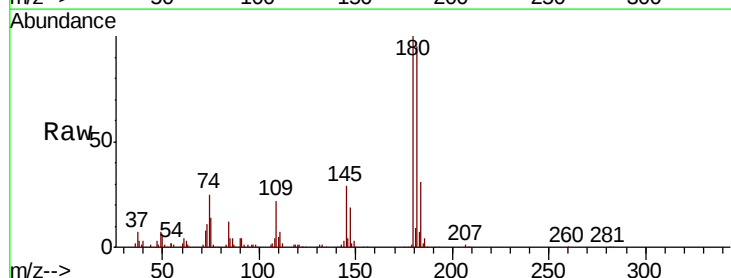
Delta R.T. 0.01 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

Tgt Ion:180 Resp: 300952

Ion	Ratio	Lower	Upper
180	100		
182	94.5	48.3	144.9
145	29.8	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

15.61

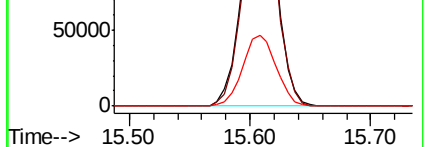
200000

150000

100000

50000

0



Time--> 15.50 15.60 15.70

