

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111119\
 Data File : VD064174.D
 Acq On : 11 Nov 2019 13:16
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 12 02:46:24 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	733362	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1047392	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	904410	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	440959	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	281181	46.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.24%	
35) Dibromofluoromethane	7.91	113	283968	47.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.46%	
50) Toluene-d8	10.34	98	1085595	47.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.72%	
62) 4-Bromofluorobenzene	12.64	95	359195	45.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	296707	48.782	ug/l	100
3) Chloromethane	2.21	50	333085	51.055	ug/l	98
4) Vinyl Chloride	2.35	62	371309	53.222	ug/l	100
5) Bromomethane	2.77	94	240520	54.597	ug/l	96
6) Chloroethane	2.93	64	239278	53.675	ug/l	100
7) Trichlorofluoromethane	3.27	101	582796	51.524	ug/l	98
8) Diethyl Ether	3.71	74	147802	47.523	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.09	101	313313	48.463	ug/l	99
10) Methyl Iodide	4.29	142	372581	50.466	ug/l	99
11) Tert butyl alcohol	5.24	59	98993	234.986	ug/l	99
12) 1,1-Dichloroethene	4.06	96	311463	50.544	ug/l	93
13) Acrolein	3.92	56	80037	224.580	ug/l	96
14) Allyl chloride	4.71	41	557806	51.196	ug/l	98
15) Acrylonitrile	5.43	53	308830	232.924	ug/l	100
16) Acetone	4.17	43	393466	275.371	ug/l	98
17) Carbon Disulfide	4.40	76	990951	51.637	ug/l	99
18) Methyl Acetate	4.72	43	183799	46.055	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	705427	47.952	ug/l	98
20) Methylene Chloride	4.97	84	324950	45.022	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	349601	50.074	ug/l	99
22) Diisopropyl ether	6.37	45	1014819	50.200	ug/l	98
23) Vinyl Acetate	6.31	43	2819198	250.179	ug/l	99
24) 1,1-Dichloroethane	6.27	63	604787	51.525	ug/l	99
25) 2-Butanone	7.22	43	436038	236.206	ug/l	98
26) 2,2-Dichloropropane	7.21	77	581957	50.556	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	380243	50.787	ug/l	99
28) Bromochloromethane	7.55	49	222830	54.528	ug/l	98
29) Tetrahydrofuran	7.57	42	256209	231.002	ug/l	100
30) Chloroform	7.71	83	611172	50.903	ug/l	100
31) Cyclohexane	7.98	56	558466	47.176	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	582420	50.660	ug/l	99
36) 1,1-Dichloropropene	8.11	75	488030	50.486	ug/l	99
37) Ethyl Acetate	7.30	43	184490	45.272	ug/l	98
38) Carbon Tetrachloride	8.10	117	523099	50.573	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	591664	48.372	ug/l	99
40) Benzene	8.35	78	1333594	50.479	ug/l	99
41) Methacrylonitrile	7.53	41	112494	43.920	ug/l	94
42) 1,2-Dichloroethane	8.43	62	385218	48.549	ug/l	99
43) Isopropyl Acetate	8.46	43	385468	45.908	ug/l	99
44) Trichloroethene	9.11	130	400024	50.450	ug/l	97
45) 1,2-Dichloropropane	9.39	63	323655	50.333	ug/l	95
46) Dibromomethane	9.48	93	165018	47.936	ug/l	99
47) Bromodichloromethane	9.67	83	459151	49.516	ug/l	99
48) Methyl methacrylate	9.46	41	185903	45.279	ug/l	100
49) 1,4-Dioxane	9.47	88	36710	887.913	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	922568	229.124	ug/l	99
52) Toluene	10.40	92	872227	50.209	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	453759	48.845	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	541752	49.975	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	223948	47.955	ug/l	97
56) Ethyl methacrylate	10.66	69	308288	47.191	ug/l	97
57) 1,3-Dichloropropane	10.95	76	395065	48.507	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	588569	222.418	ug/l	99
59) 2-Hexanone	10.99	43	678846	236.975	ug/l	100
60) Dibromochloromethane	11.14	129	310776	47.692	ug/l	99
61) 1,2-Dibromoethane	11.25	107	222424	47.552	ug/l	100
64) Tetrachloroethene	10.88	164	342106	49.183	ug/l	99
65) Chlorobenzene	11.67	112	902226	49.057	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	342586	48.989	ug/l	99
67) Ethyl Benzene	11.75	91	1674270	50.329	ug/l	100
68) m/p-Xylenes	11.86	106	1288660	101.062	ug/l	99
69) o-Xylene	12.18	106	579464	48.999	ug/l	97
70) Styrene	12.20	104	1019570	49.391	ug/l	100
71) Bromoform	12.37	173	187737	47.172	ug/l #	98
73) Isopropylbenzene	12.48	105	1618933	50.019	ug/l	99
74) N-amyl acetate	12.29	43	354308	46.356	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	225956	46.331	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	317281	89.330	ug/l #	100
77) Bromobenzene	12.76	156	386986	49.215	ug/l	100
78) n-propylbenzene	12.83	91	1863456	50.392	ug/l	100
79) 2-Chlorotoluene	12.91	91	1038847	49.759	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	1336457	50.251	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	85732	47.947	ug/l	98
82) 4-Chlorotoluene	13.01	91	1103938	50.696	ug/l	99
83) tert-Butylbenzene	13.23	119	1173351	50.034	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	1307282	49.789	ug/l	100
85) sec-Butylbenzene	13.41	105	1576814	50.062	ug/l	99
86) p-Isopropyltoluene	13.52	119	1485613	49.613	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	715965	49.051	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	705413	49.517	ug/l	99
89) n-Butylbenzene	13.85	91	1367772	50.559	ug/l	99
90) Hexachloroethane	14.11	117	273826	49.481	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	601132	48.658	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	39361	45.140	ug/l	94

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QLast Update : Tue Nov 12 02:43:24 2019
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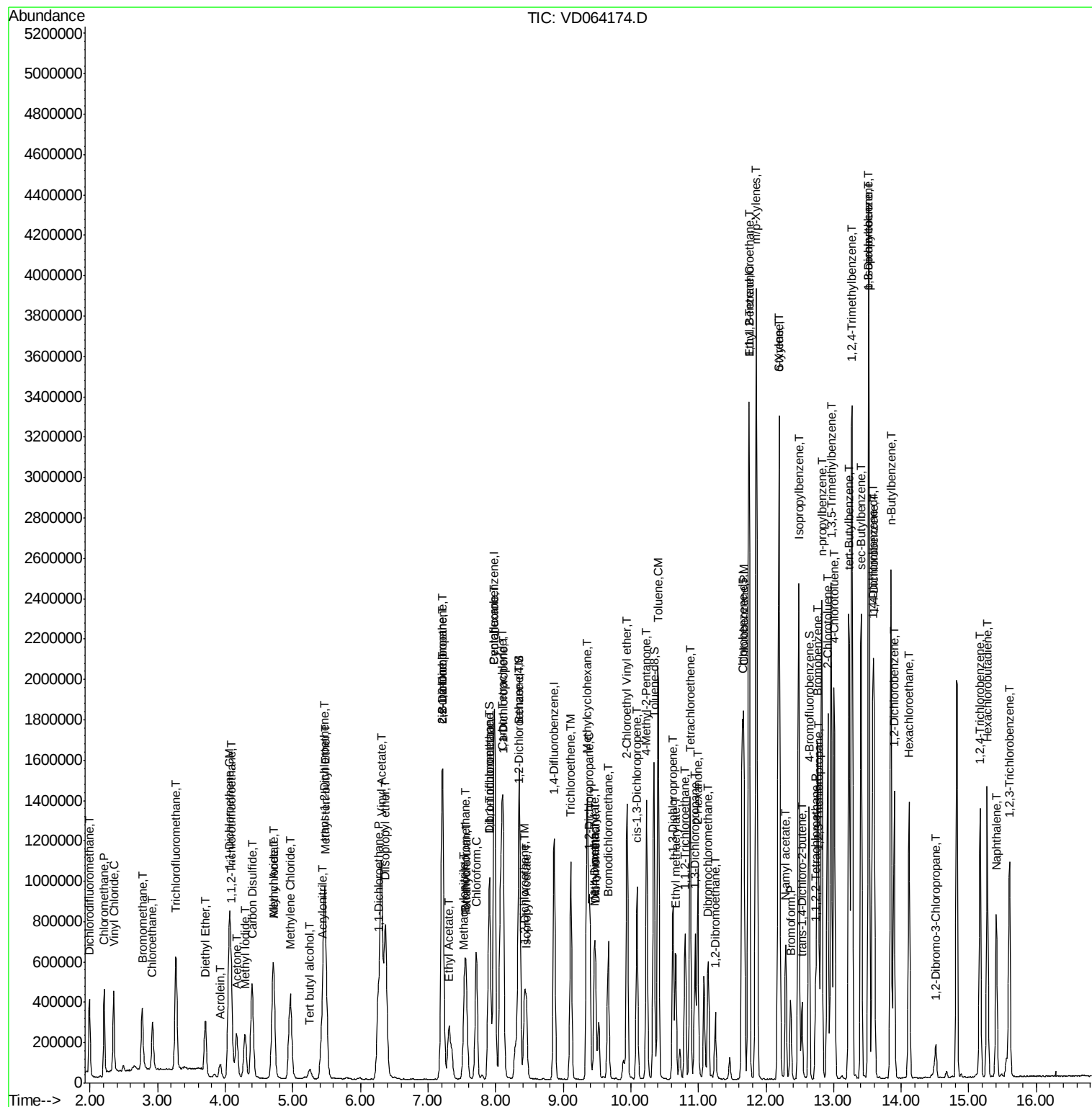
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	462782	48.559	ug/l	99
94) Hexachlorobutadiene	15.27	225	299586	48.668	ug/l	98
95) Naphthalene	15.41	128	722327	46.236	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	392136	48.405	ug/l	98

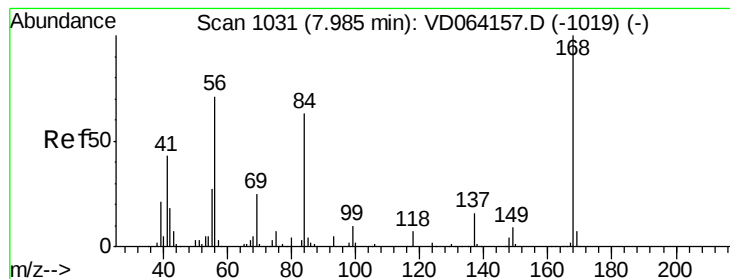
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

Instrument :

MSVOA_D

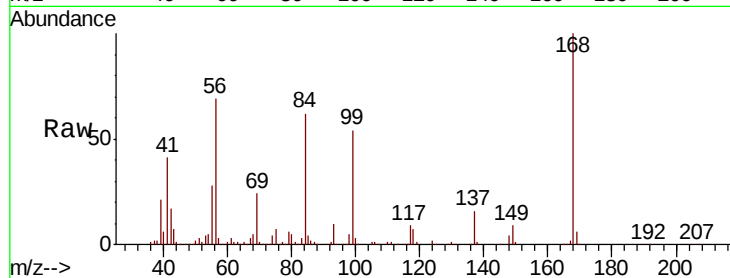
ClientSampleId :

Tot Ion:168 Resp: 733362

Ion Ratio Lower Upper

168 100

99 53.9 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

300000

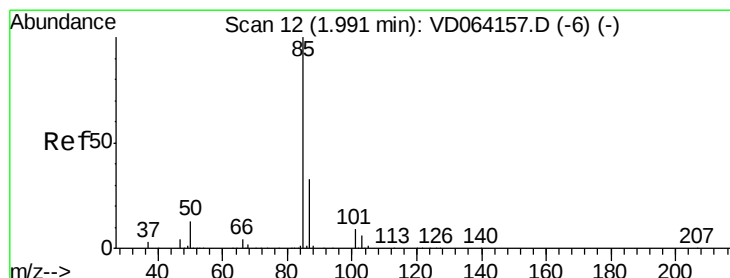
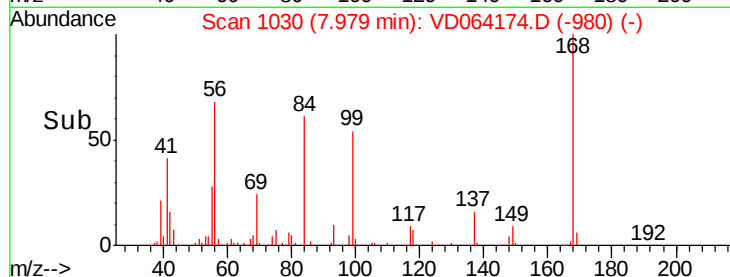
200000

100000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 48.782 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064174.D

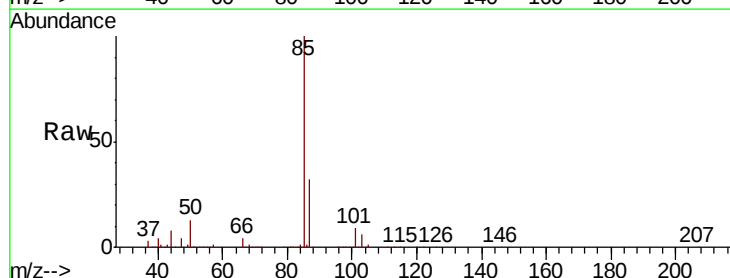
Acq: 11 Nov 2019 13:16

Tgt Ion: 85 Resp: 296707

Ion Ratio Lower Upper

85 100

87 32.5 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

250000

200000

150000

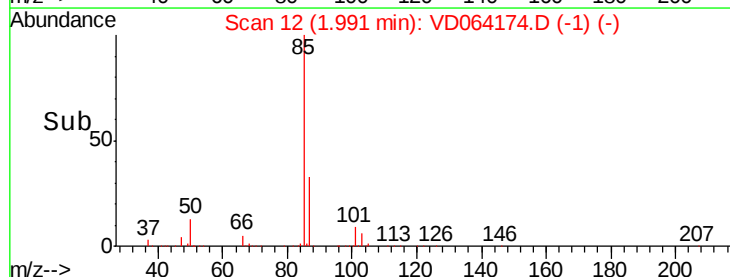
100000

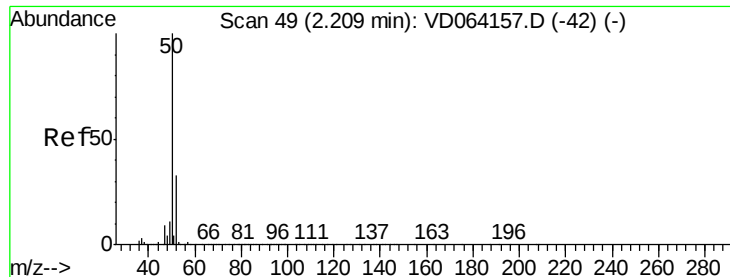
50000

0

1.90 2.00 2.10

Time-->

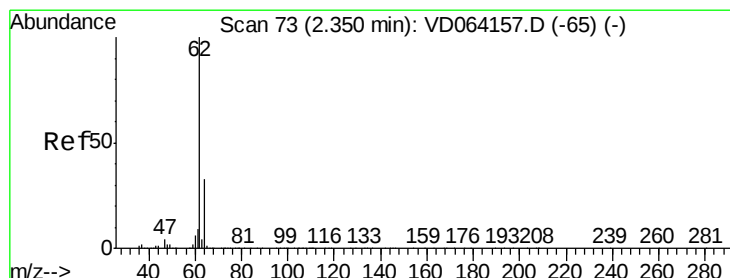
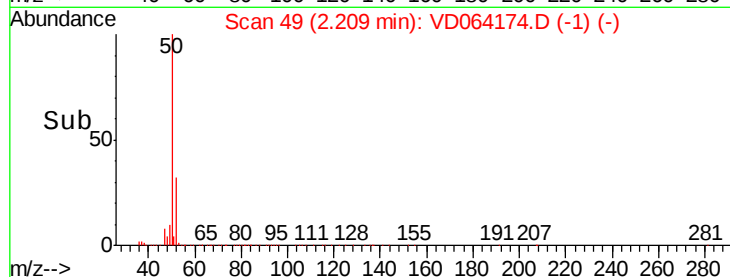
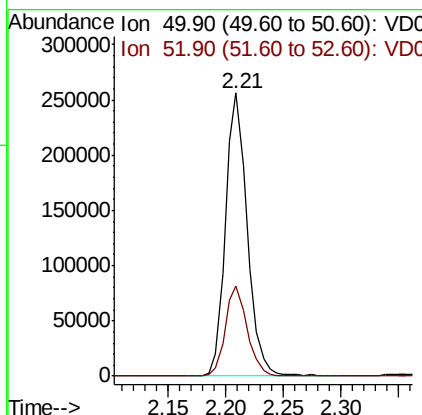
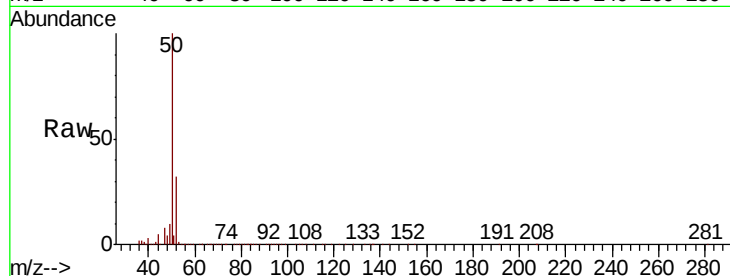




#3
Chloromethane
Concen: 51.055 ug/l
RT: 2.21 min Scan# 49
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

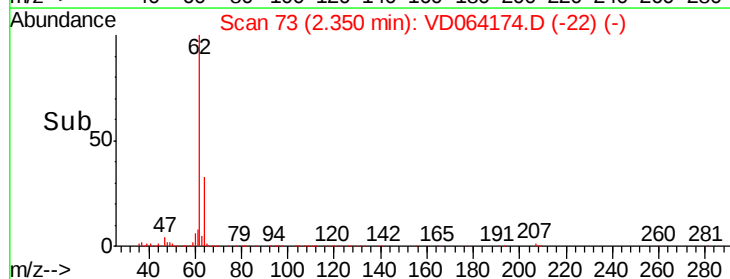
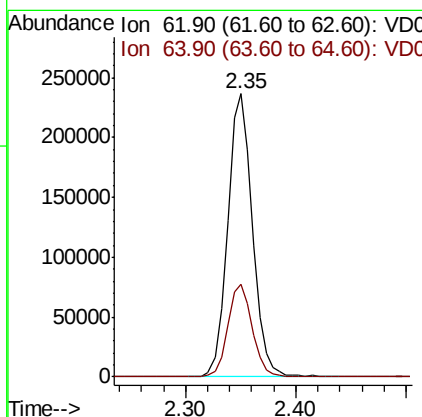
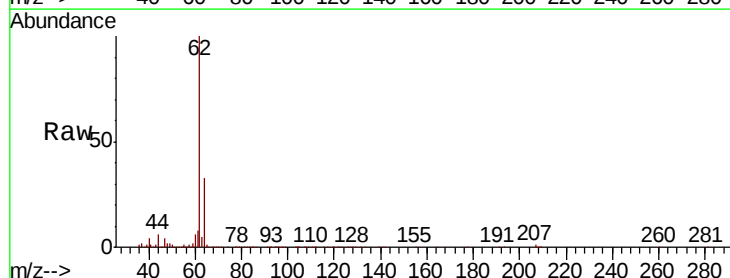
Instrument :
MSVOA_D
ClientSampleId :

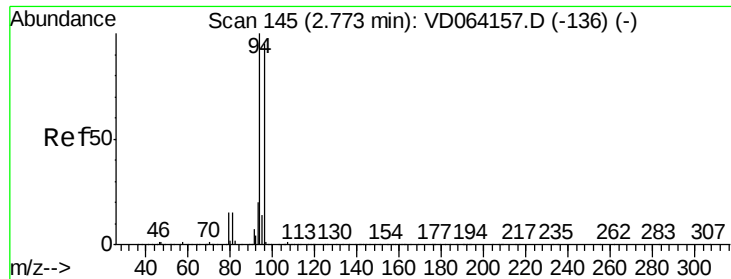
Tot Ion: 50 Resp: 333085
Ion Ratio Lower Upper
50 100
52 31.9 26.2 39.4



#4
Vinyl Chloride
Concen: 53.222 ug/l
RT: 2.35 min Scan# 73
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Tgt Ion: 62 Resp: 371309
Ion Ratio Lower Upper
62 100
64 32.8 26.2 39.2





#5

Bromomethane

Concen: 54.597 ug/l

RT: 2.77 min Scan# 145

Delta R.T. -0.00 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

Instrument :

MSVOA_D

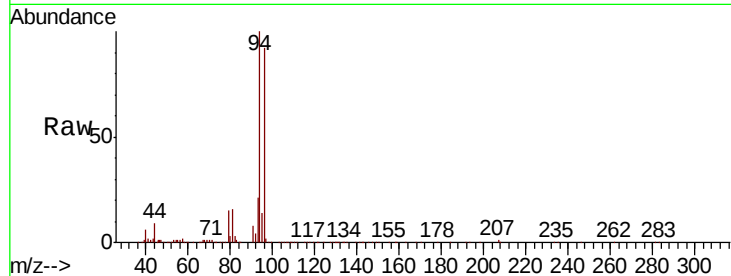
ClientSampleId :

Tot Ion: 94 Resp: 240520

Ion Ratio Lower Upper

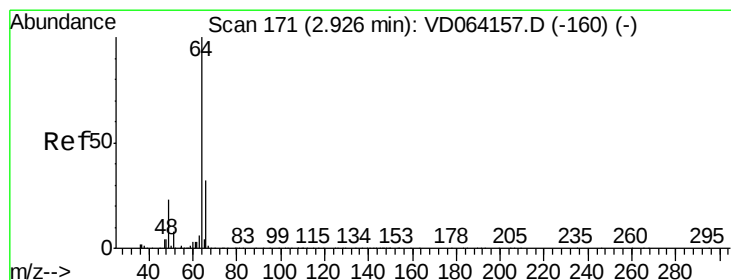
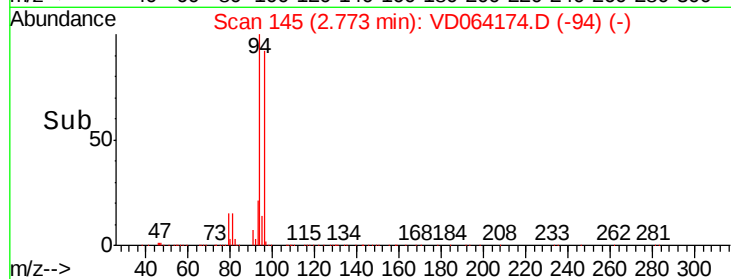
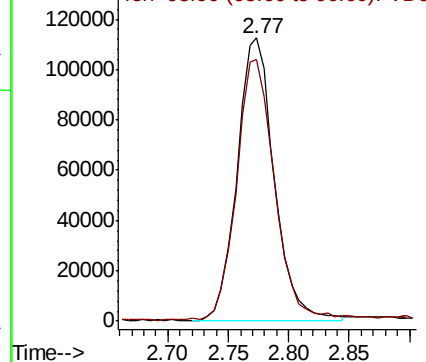
94 100

96 91.8 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: 53.675 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD064174.D

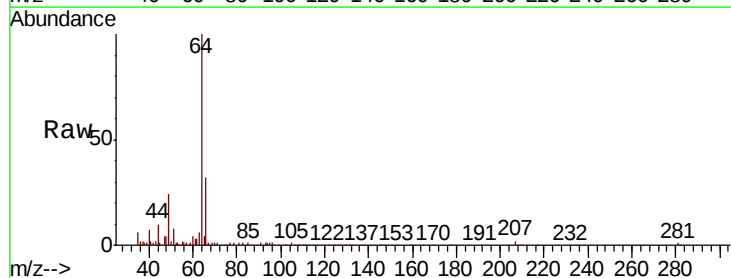
Acq: 11 Nov 2019 13:16

Tgt Ion: 64 Resp: 239278

Ion Ratio Lower Upper

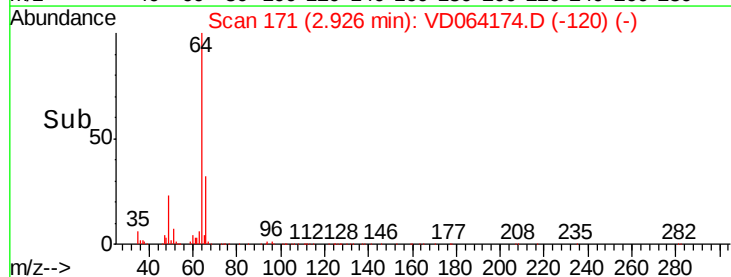
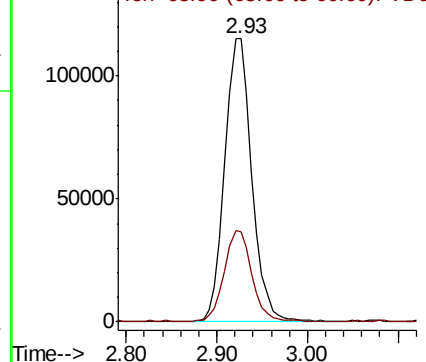
64 100

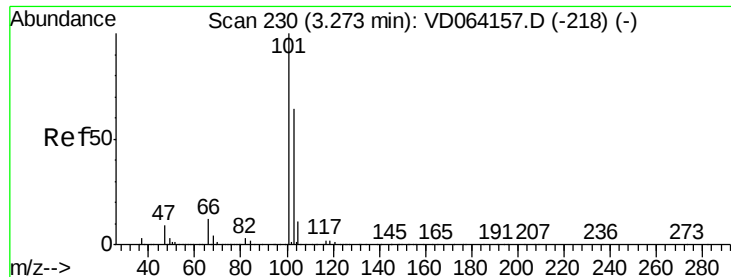
66 31.8 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



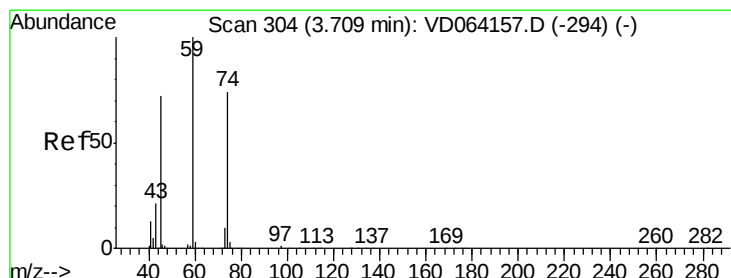
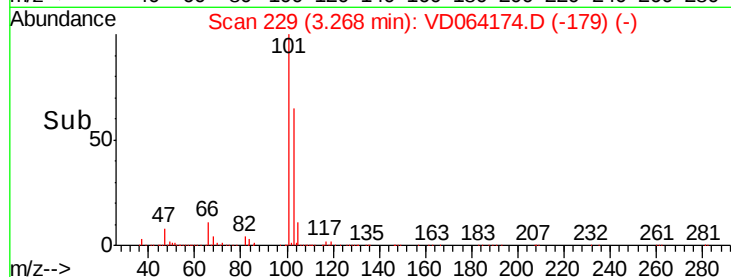
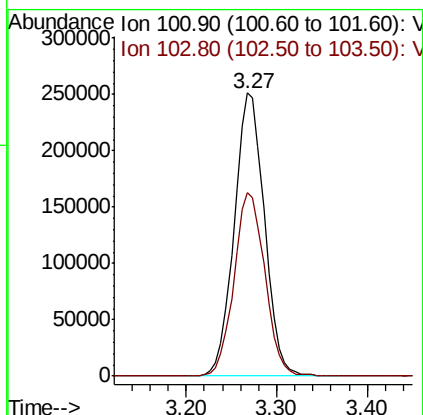
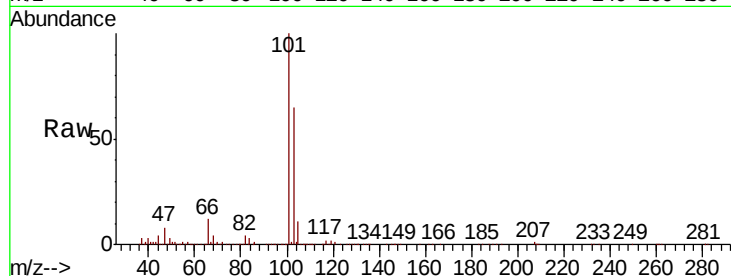


#7

Trichlorofluoromethane
Concen: 51.524 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Instrument :
MSVOA_D
ClientSampled :

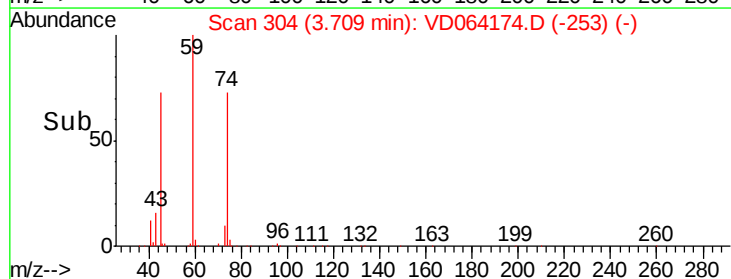
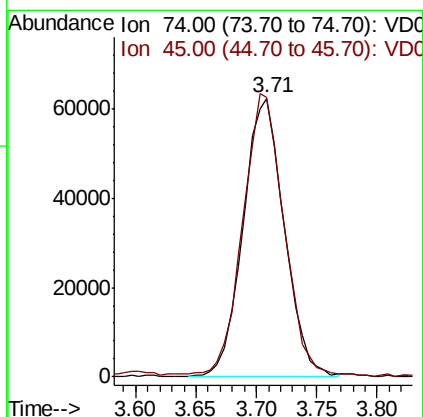
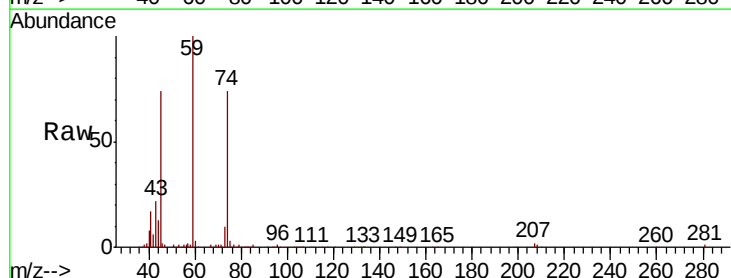
Tot Ion:101 Resp: 582796
Ion Ratio Lower Upper
101 100
103 64.9 50.8 76.2



#8

Diethyl Ether
Concen: 47.523 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Tgt Ion: 74 Resp: 147802
Ion Ratio Lower Upper
74 100
45 101.4 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.463 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

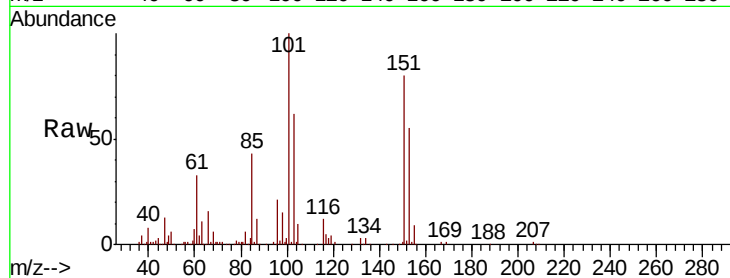
Tot Ion:101 Resp: 313313

Ion Ratio Lower Upper

101 100

85 44.0 34.4 51.6

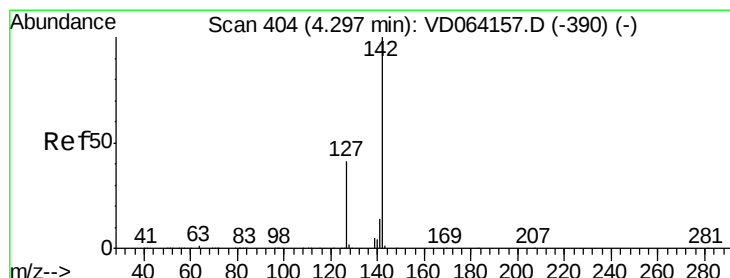
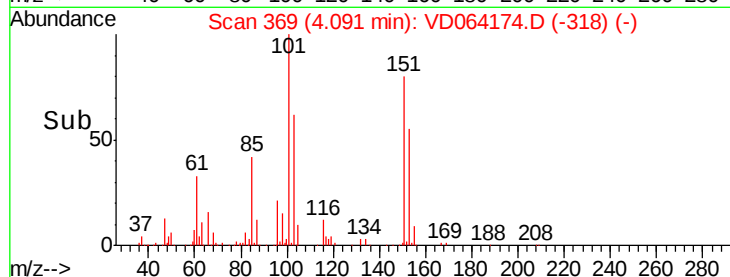
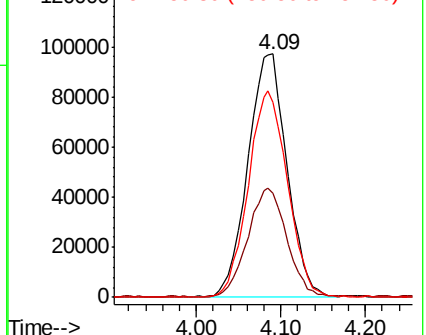
151 85.2 68.1 102.1



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: 50.466 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

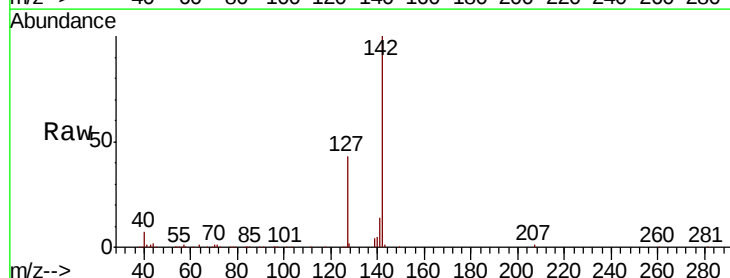
Tgt Ion:142 Resp: 372581

Ion Ratio Lower Upper

142 100

127 44.0 34.4 51.6

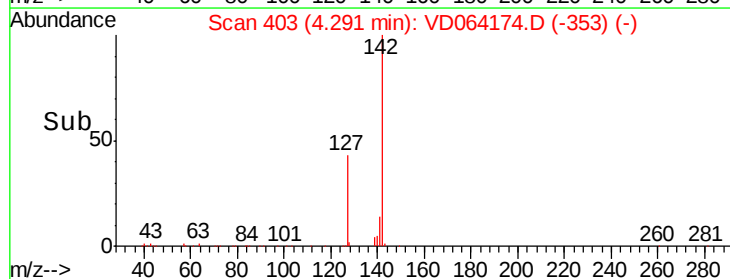
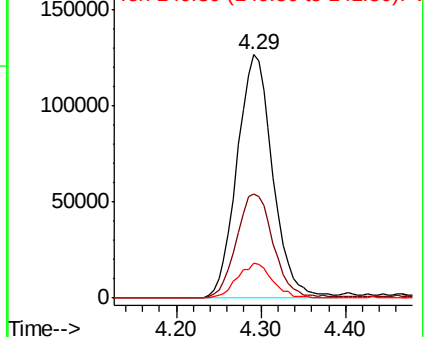
141 14.3 11.2 16.8

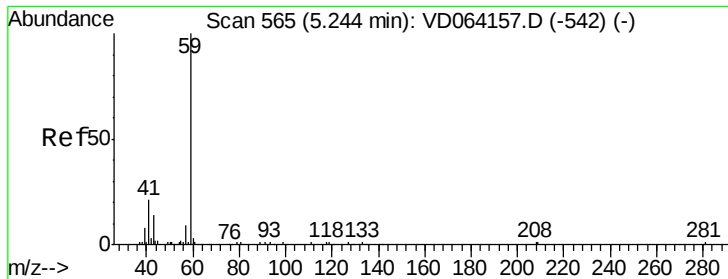


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

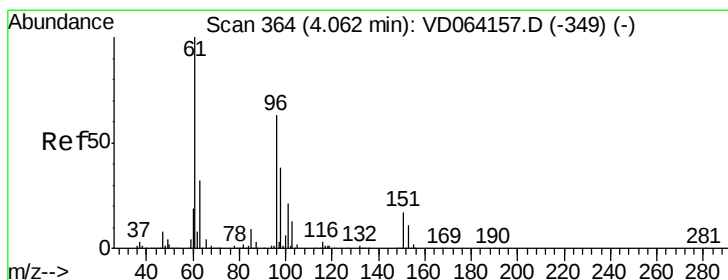
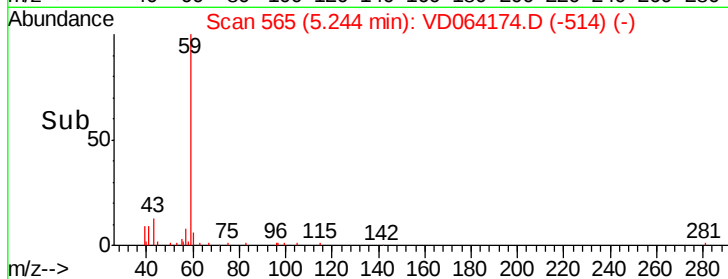
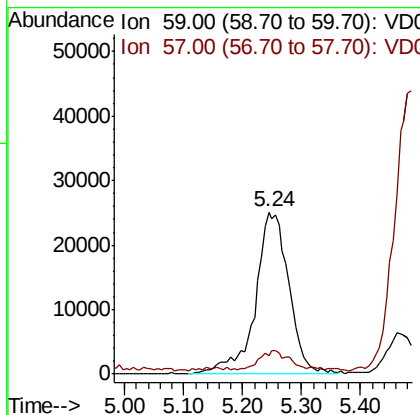
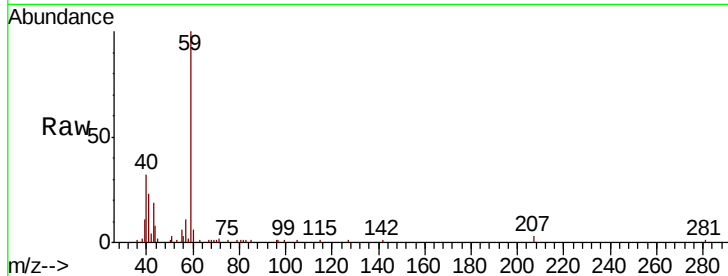




#11
Tert butyl alcohol
Concen: 234.986 ug/l
RT: 5.24 min Scan# 565
Delta R.T. 0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

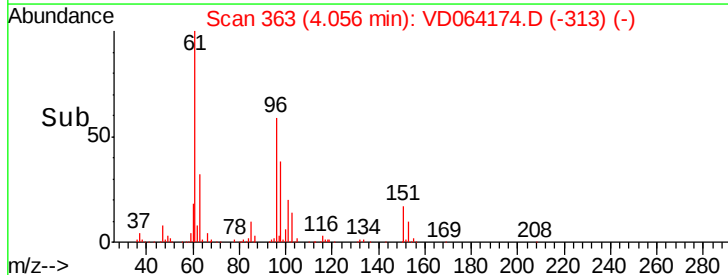
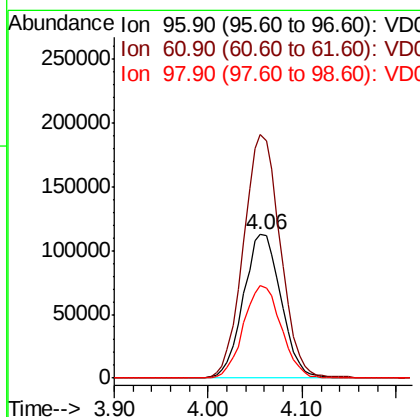
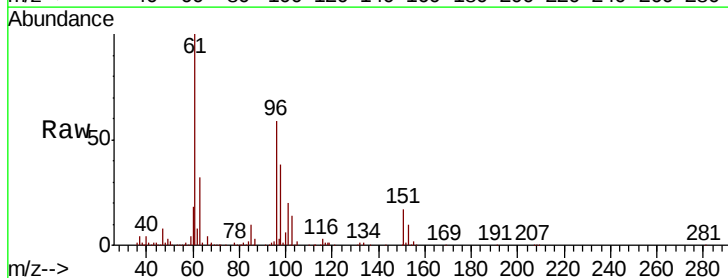
Instrument :
MSVOA_D
ClientSampleId :

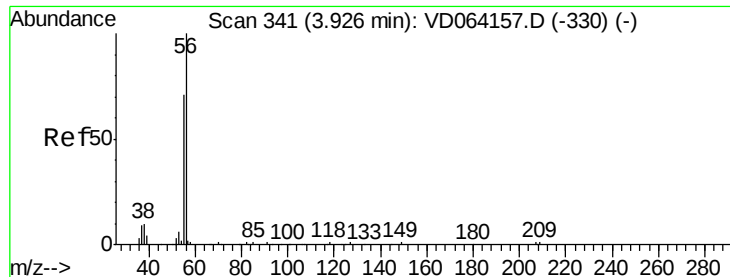
Tot Ion: 59 Resp: 98993
Ion Ratio Lower Upper
59 100
57 11.3 9.4 14.2



#12
1,1-Dichloroethene
Concen: 50.544 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Tgt Ion: 96 Resp: 311463
Ion Ratio Lower Upper
96 100
61 170.0 127.4 191.2
98 64.1 48.1 72.1





#13

Acrolein

Concen: 224.580 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

Instrument :

MSVOA_D

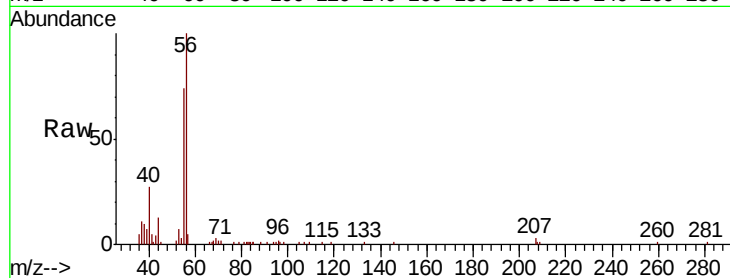
ClientSampleId :

Tot Ion: 56 Resp: 80037

Ion Ratio Lower Upper

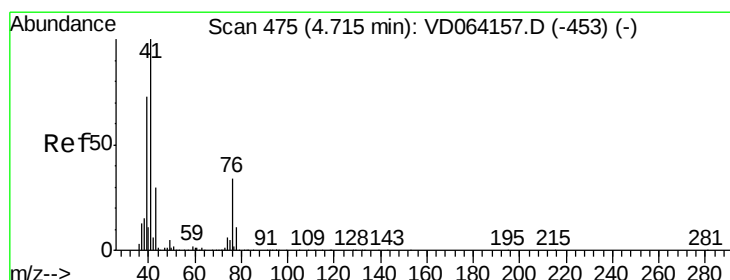
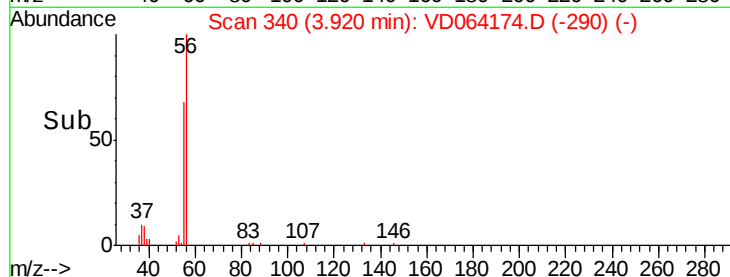
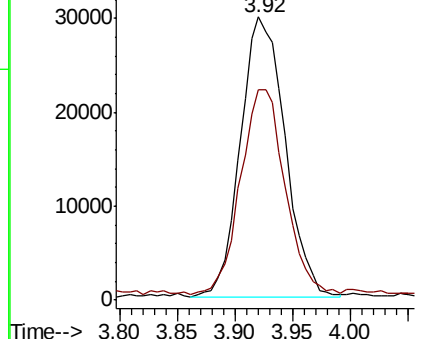
56 100

55 73.2 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 51.196 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

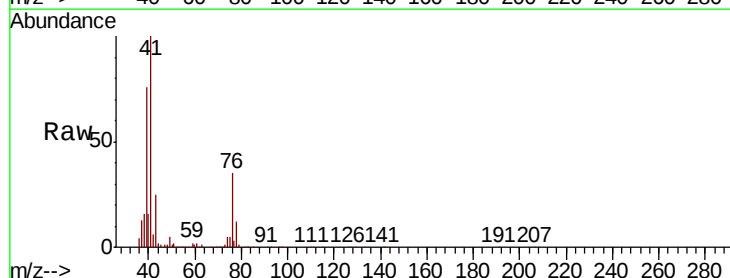
Tgt Ion: 41 Resp: 557806

Ion Ratio Lower Upper

41 100

39 74.0 57.5 86.3

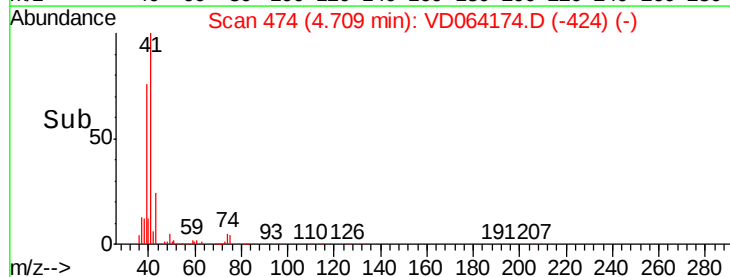
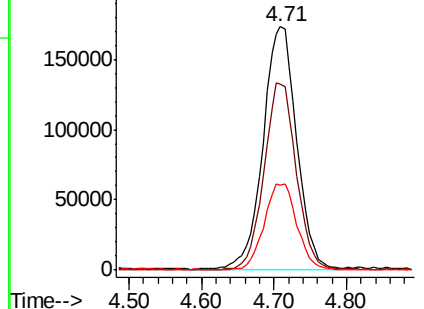
76 34.4 26.8 40.2

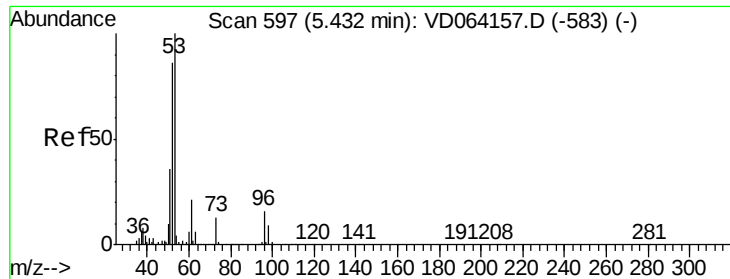


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 232.924 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

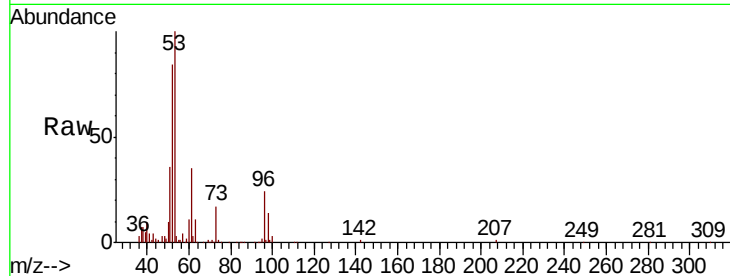
Tot Ion: 53 Resp: 308830

Ion Ratio Lower Upper

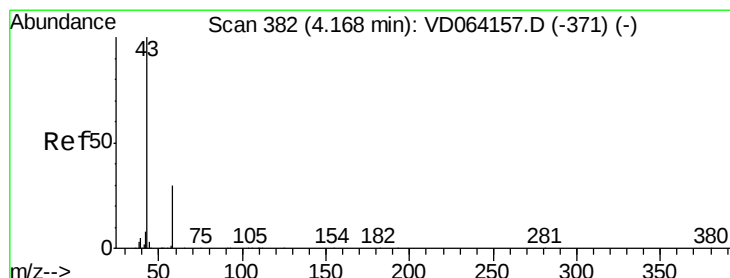
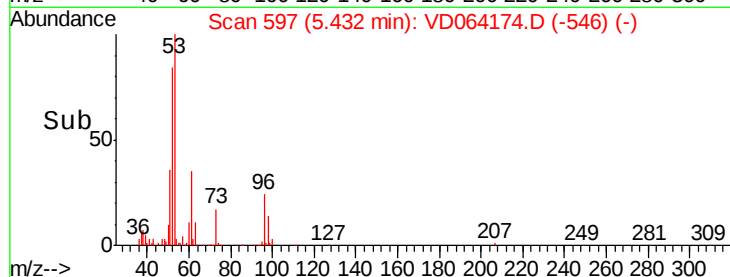
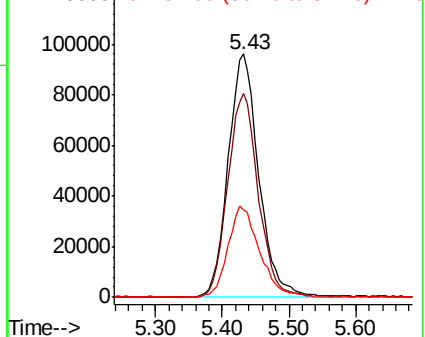
53 100

52 83.3 66.7 100.1

51 38.6 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: 275.371 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD064174.D

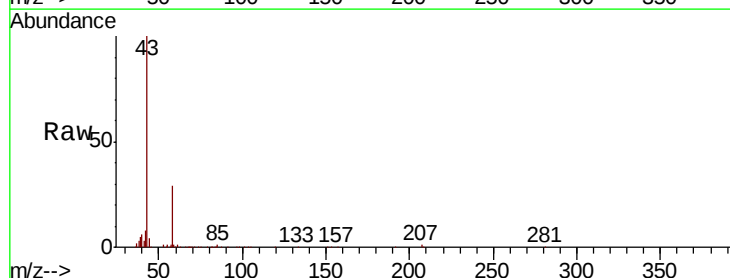
Acq: 11 Nov 2019 13:16

Tgt Ion: 43 Resp: 393466

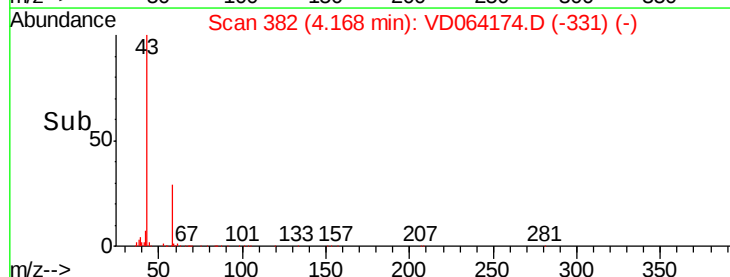
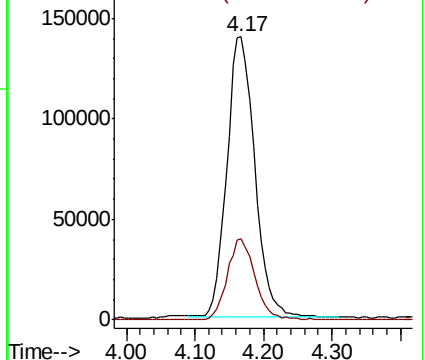
Ion Ratio Lower Upper

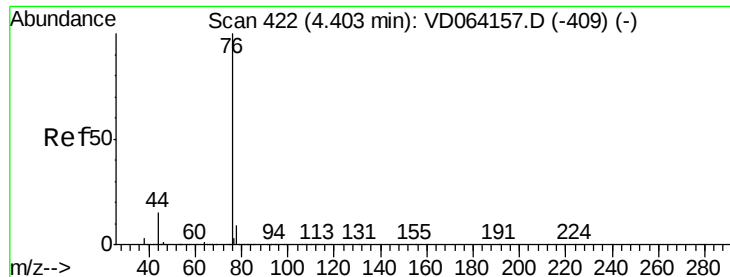
43 100

58 29.0 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: 51.637 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

Instrument :

MSVOA_D

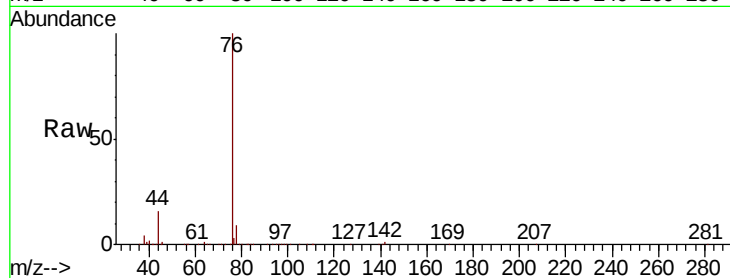
ClientSampleId :

Tot Ion: 76 Resp: 990951

Ion Ratio Lower Upper

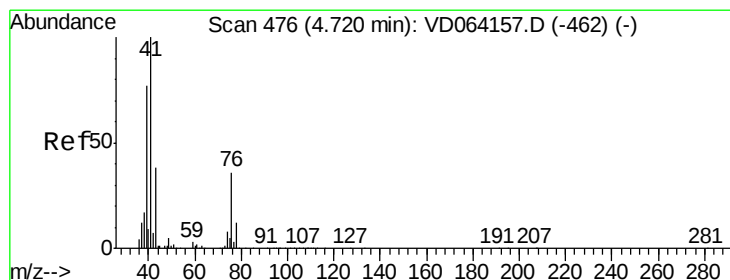
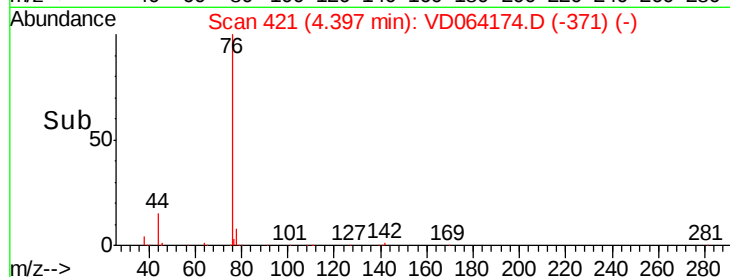
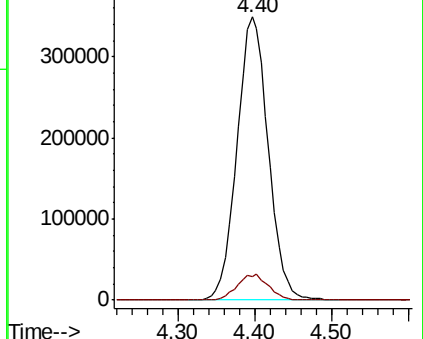
76 100

78 8.5 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 46.055 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.00 min

Lab File: VD064174.D

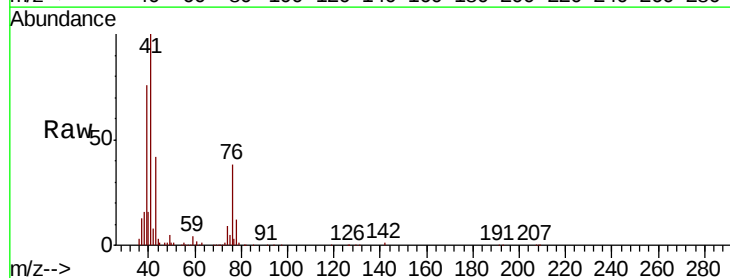
Acq: 11 Nov 2019 13:16

Tgt Ion: 43 Resp: 183799

Ion Ratio Lower Upper

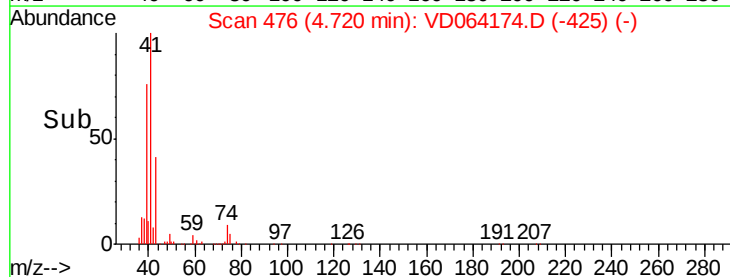
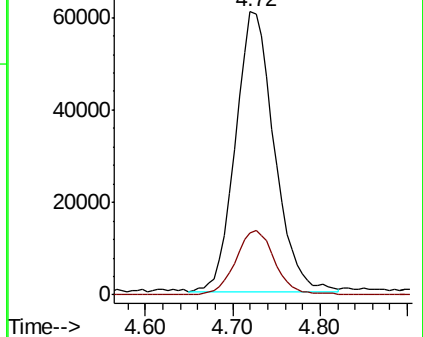
43 100

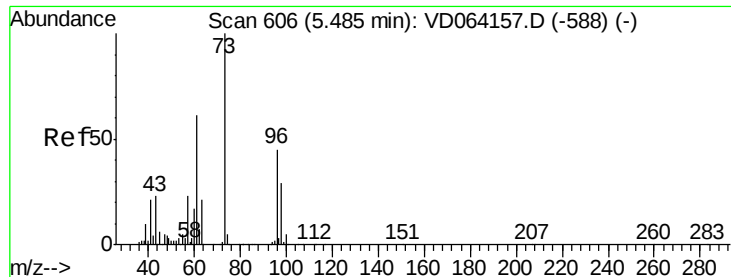
74 23.3 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

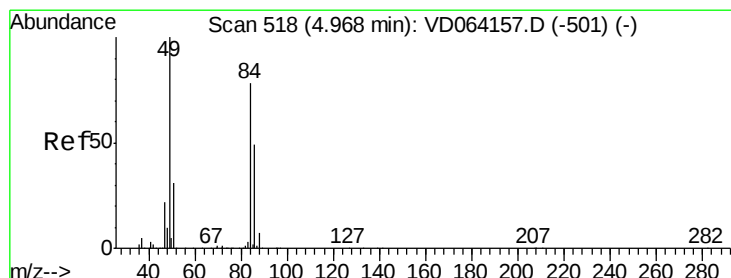
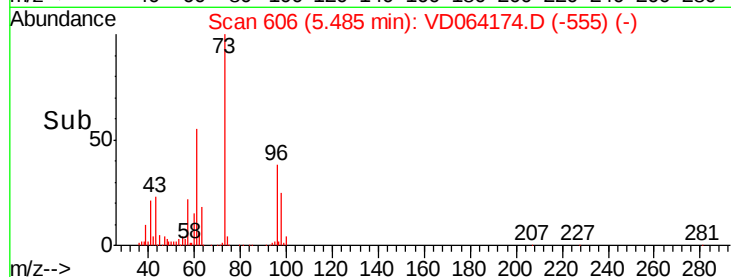
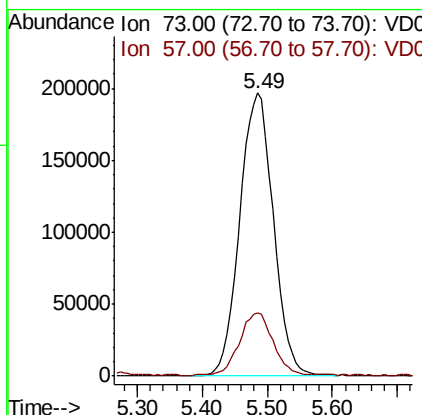
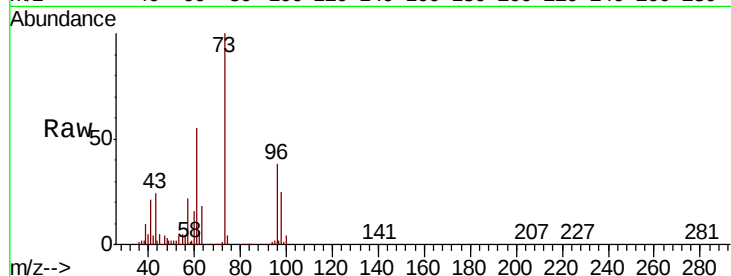




#19
Methvl tert-butvl Ether
Concen: 47.952 ug/l
RT: 5.49 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

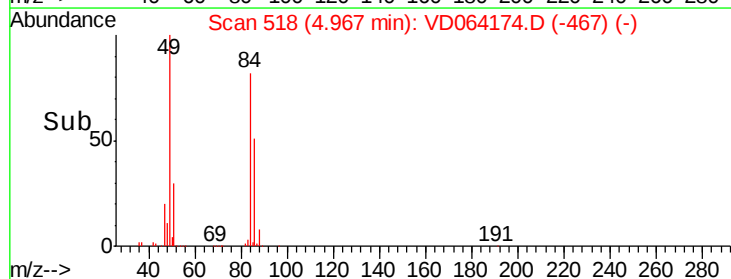
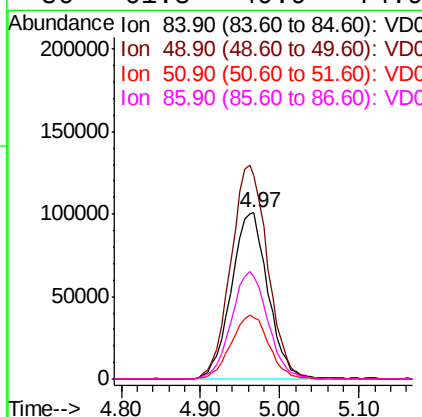
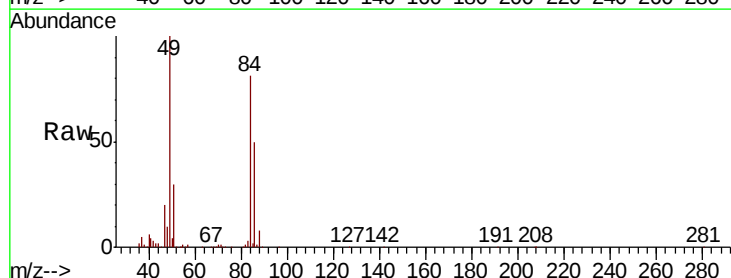
Instrument :
MSVOA_D
ClientSampled :

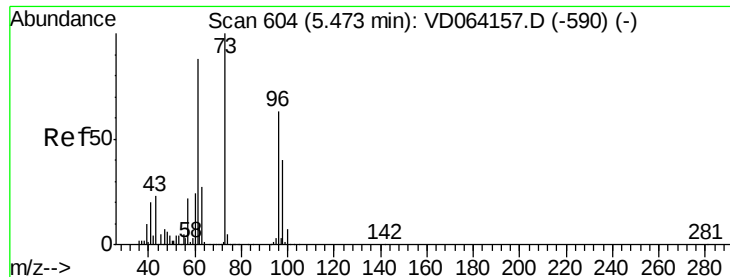
Tot Ion: 73 Resp: 705427
Ion Ratio Lower Upper
73 100
57 22.0 18.4 27.6



#20
Methylene Chloride
Concen: 45.022 ug/l
RT: 4.97 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Tgt Ion: 84 Resp: 324950
Ion Ratio Lower Upper
84 100
49 122.8 102.1 153.1
51 36.9 32.2 48.2
86 61.8 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 50.074 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

Instrument :
MSVOA_D
ClientSampleId :

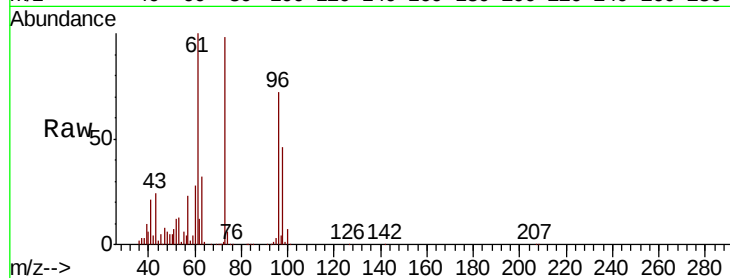
Tot Ion: 96 Resp: 349601

Ion Ratio Lower Upper

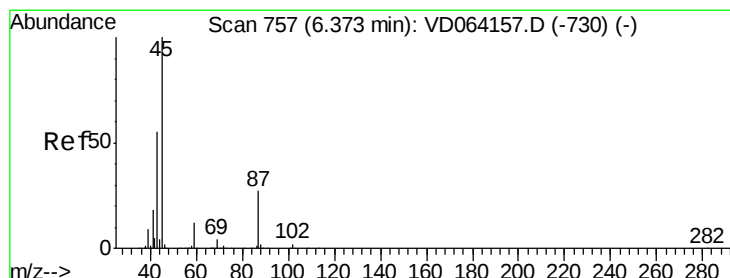
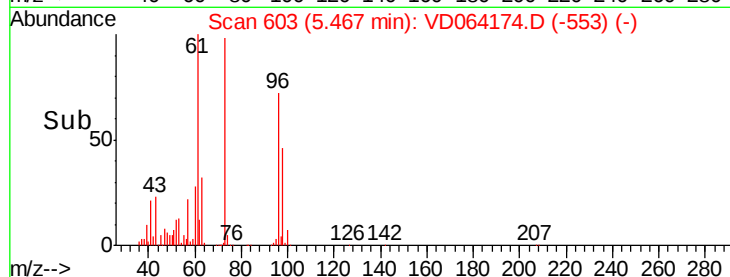
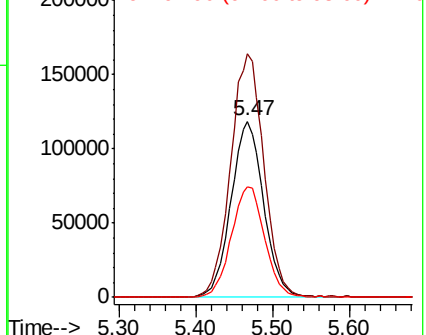
96 100

61 138.4 111.8 167.6

98 63.2 50.3 75.5



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



#22

Diisopropyl ether

Concen: 50.200 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

Tgt Ion: 45 Resp: 1014819

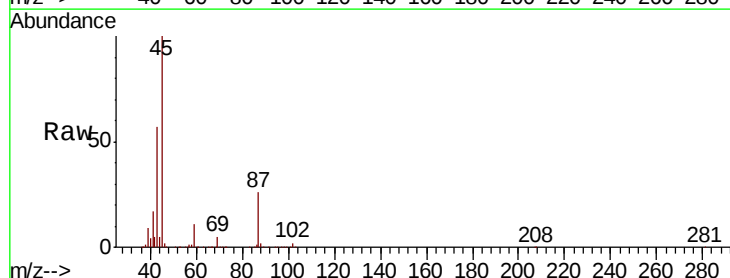
Ion Ratio Lower Upper

45 100

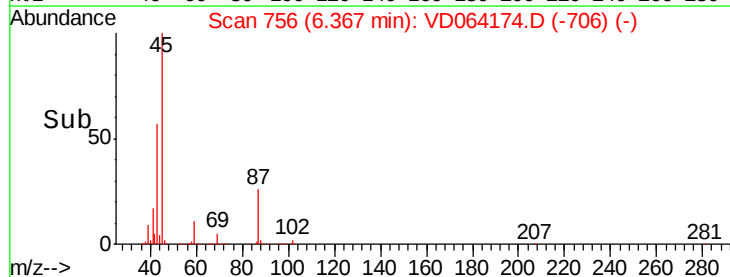
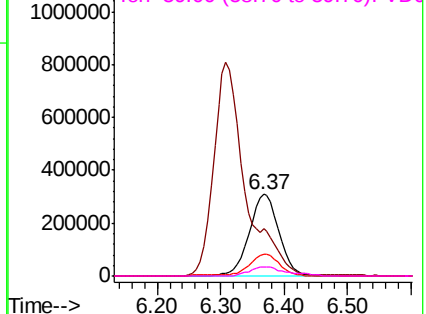
43 56.2 44.4 66.6

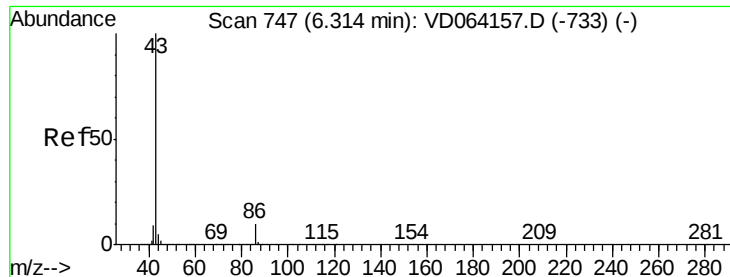
87 25.9 21.9 32.9

59 10.9 9.4 14.2



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 250.179 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

Instrument :

MSVOA_D

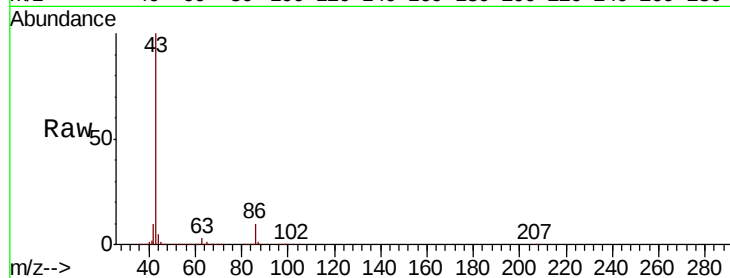
ClientSampleId :

Tot Ion: 43 Resp: 2819198

Ion Ratio Lower Upper

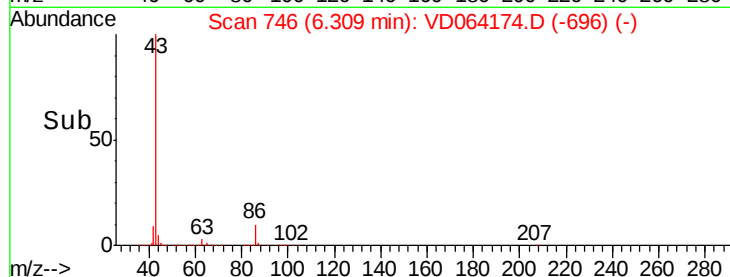
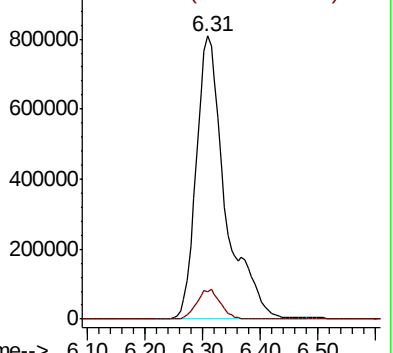
43 100

86 9.8 8.2 12.2

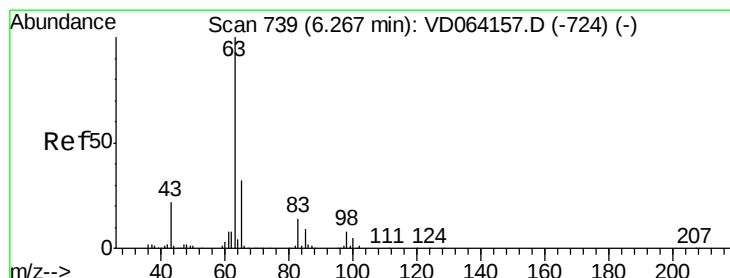


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 51.525 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

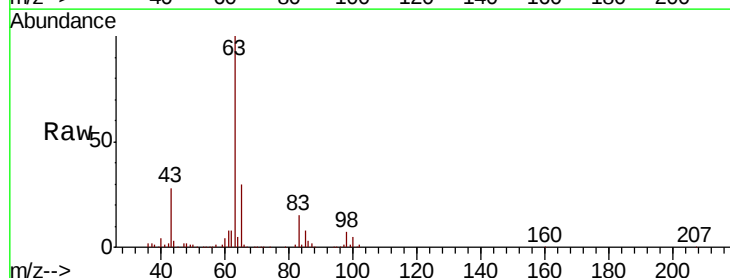
Tgt Ion: 63 Resp: 604787

Ion Ratio Lower Upper

63 100

98 6.8 3.8 11.4

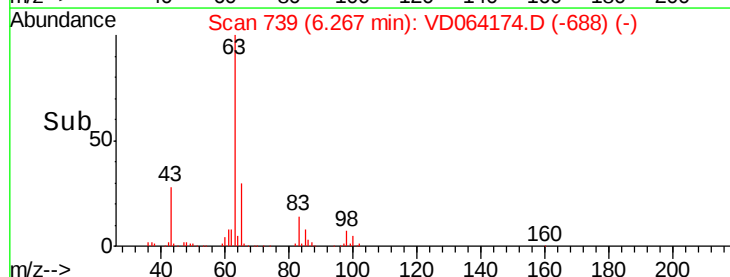
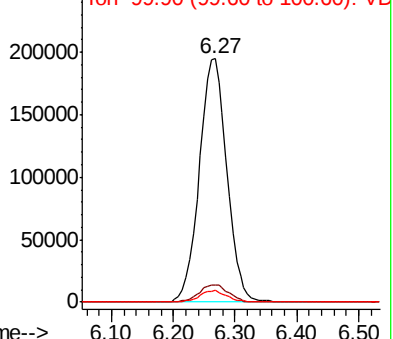
100 4.7 2.4 7.2



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



Time--> 6.10 6.20 6.30 6.40 6.50



#25

2-Butanone

Concen: 236.206 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

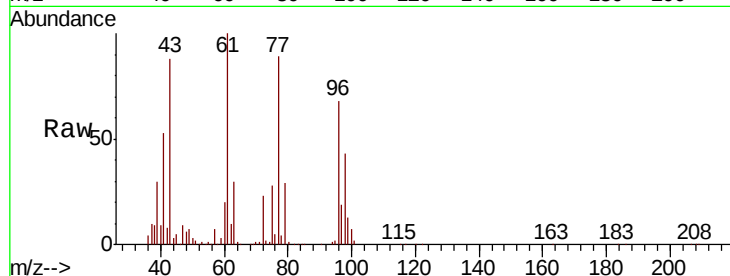
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 436038

Ion Ratio Lower Upper

43 100

72 26.5 20.6 30.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.22

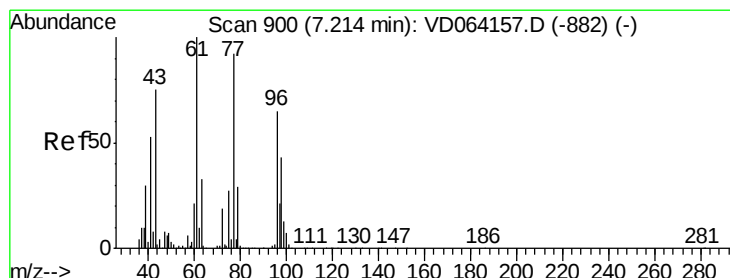
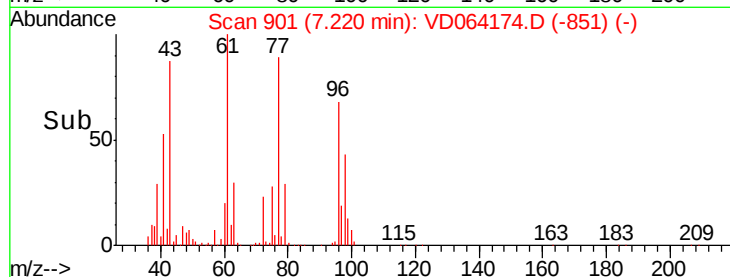
150000

100000

50000

0

Time--> 7.10 7.15 7.20 7.25 7.30



#26

2,2-Dichloropropane

Concen: 50.556 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064174.D

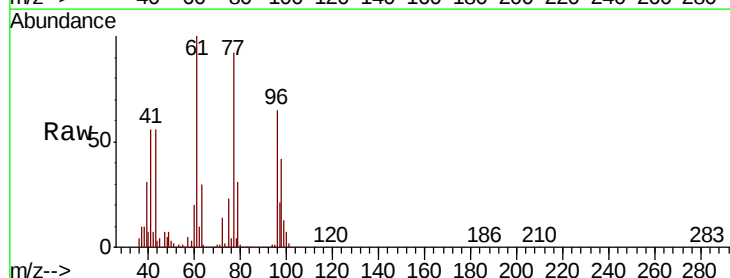
Acq: 11 Nov 2019 13:16

Tgt Ion: 77 Resp: 581957

Ion Ratio Lower Upper

77 100

97 22.1 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

7.21

200000

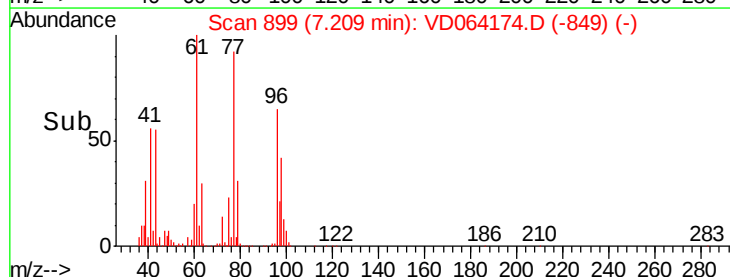
150000

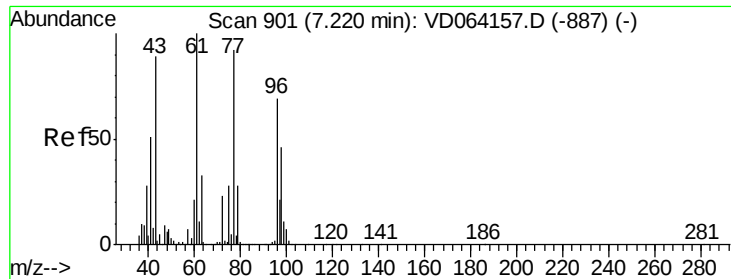
100000

50000

0

Time--> 7.10 7.20 7.30



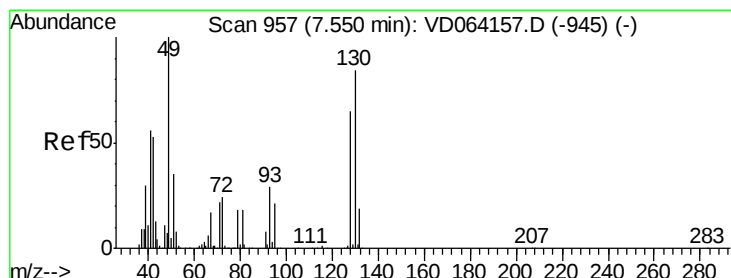
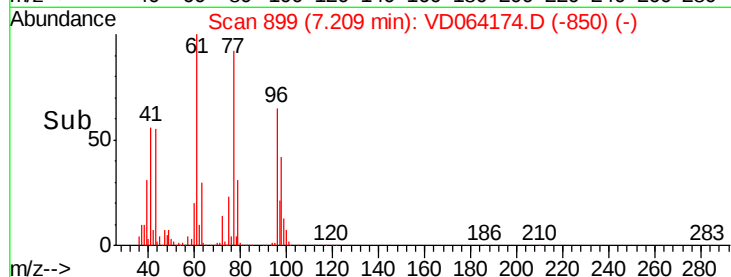
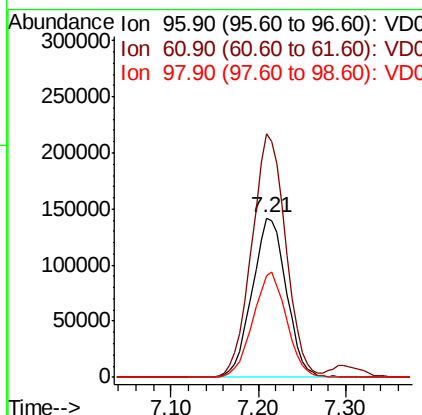
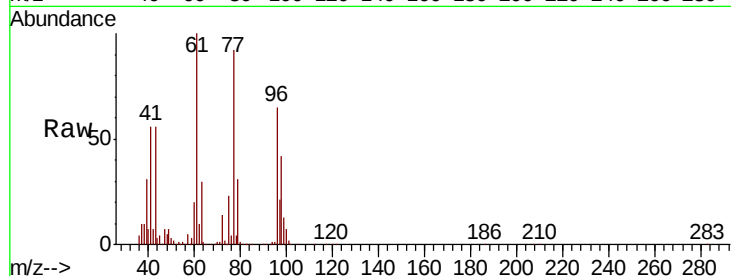


#27

cis-1,2-Dichloroethene
Concen: 50.787 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Instrument :
MSVOA_D
ClientSampled :

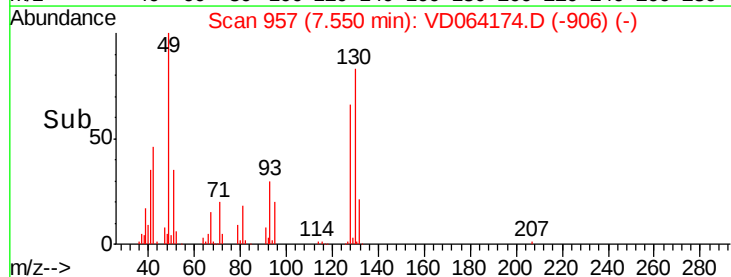
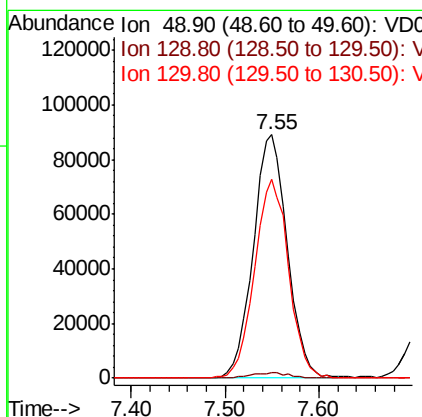
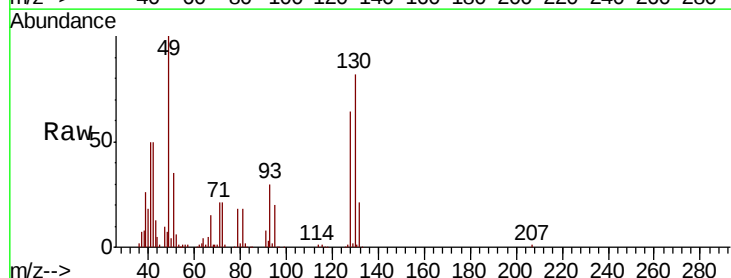
Tot Ion	96	Resp	380243
Ion Ratio	Lower	Upper	
96	100		
61	151.4	0.0	301.4
98	65.3	0.0	133.2

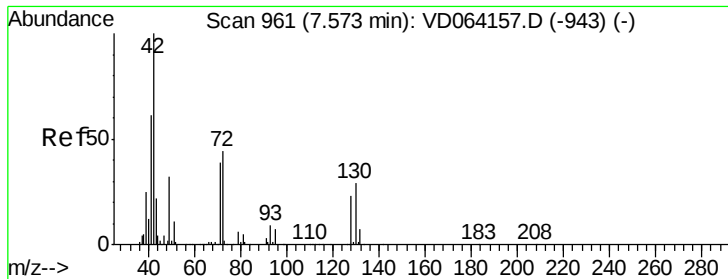


#28

Bromochloromethane
Concen: 54.528 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Tgt Ion	49	Resp	222830
Ion Ratio	Lower	Upper	
49	100		
129	2.3	0.0	4.4
130	81.8	66.8	100.2





#29

Tetrahydrofuran

Concen: 231.002 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

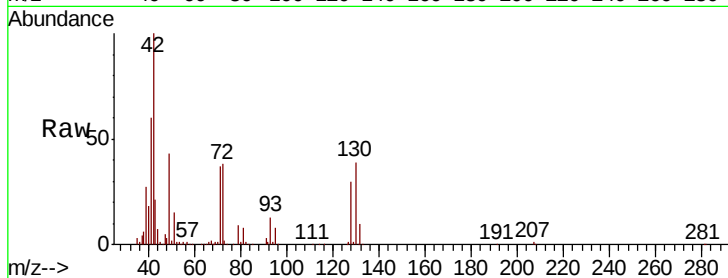
Tot Ion: 42 Resp: 256209

Ion Ratio Lower Upper

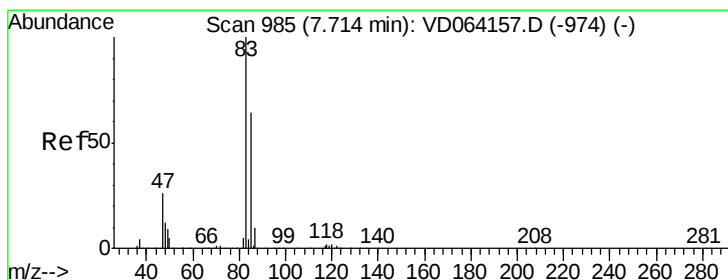
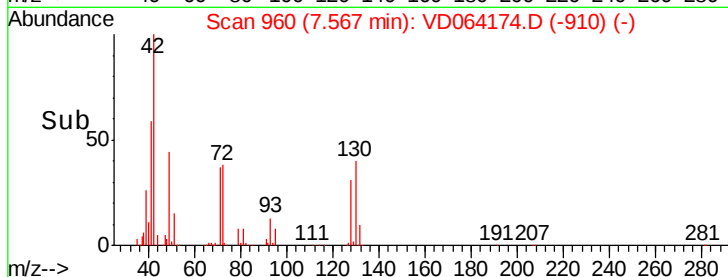
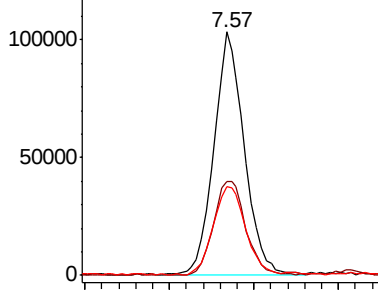
42 100

72 41.6 33.4 50.2

71 38.8 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: 50.903 ug/l

RT: 7.71 min Scan# 984

Delta R.T. -0.01 min

Lab File: VD064174.D

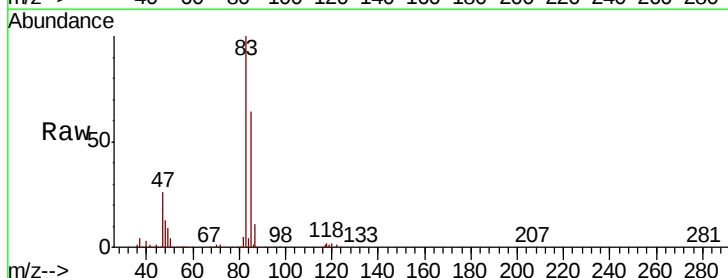
Acq: 11 Nov 2019 13:16

Tgt Ion: 83 Resp: 611172

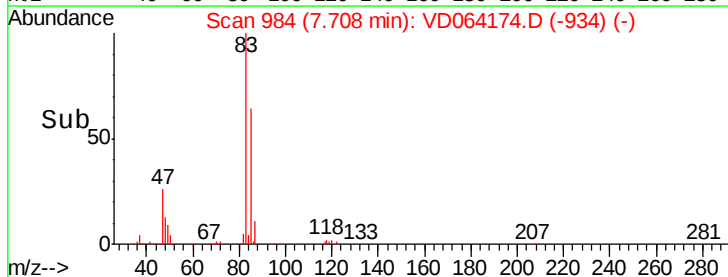
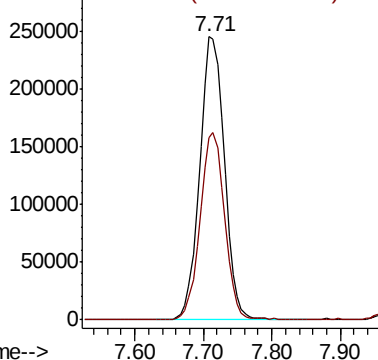
Ion Ratio Lower Upper

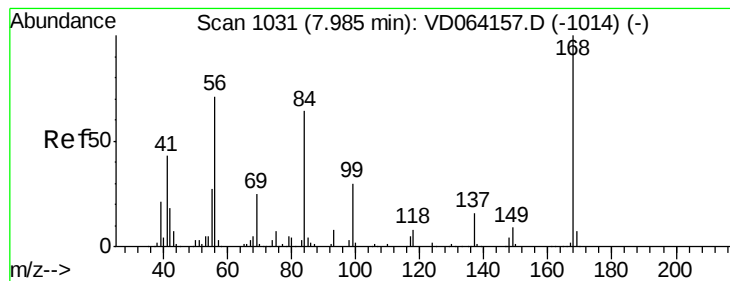
83 100

85 64.1 51.4 77.0



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





#31

Cyclohexane

Concen: 47.176 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

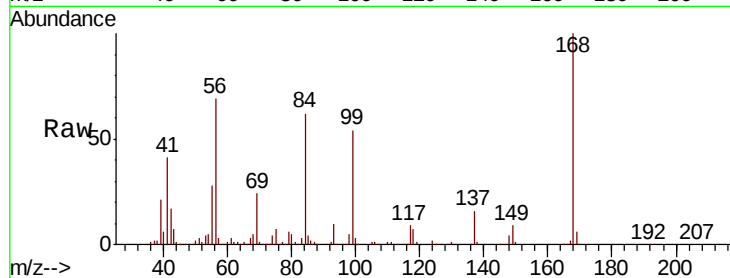
Tot Ion: 56 Resp: 558466

Ion Ratio Lower Upper

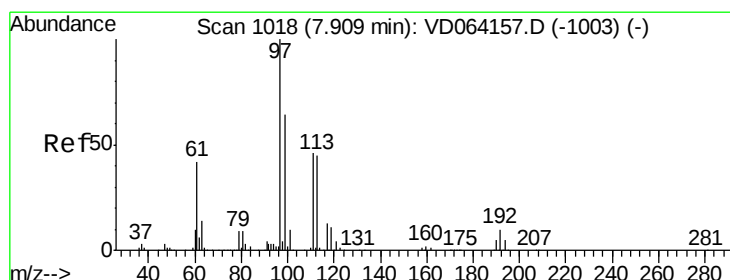
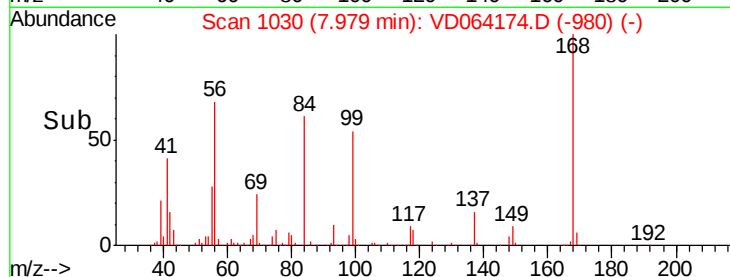
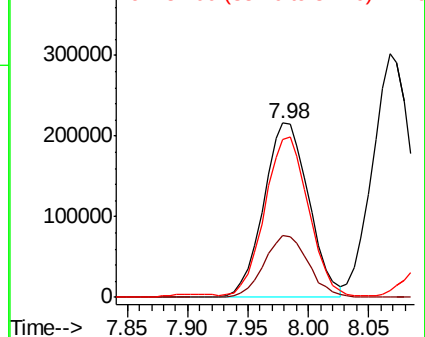
56 100

69 35.2 28.2 42.4

84 88.7 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: 50.660 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

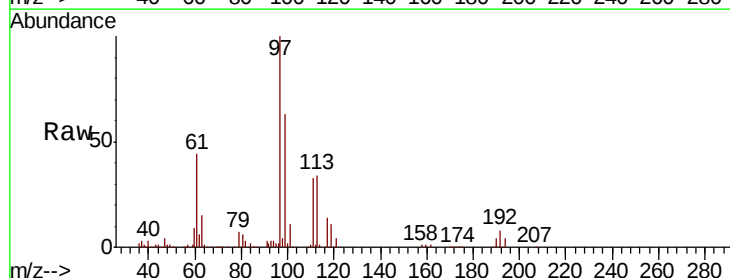
Tgt Ion: 97 Resp: 582420

Ion Ratio Lower Upper

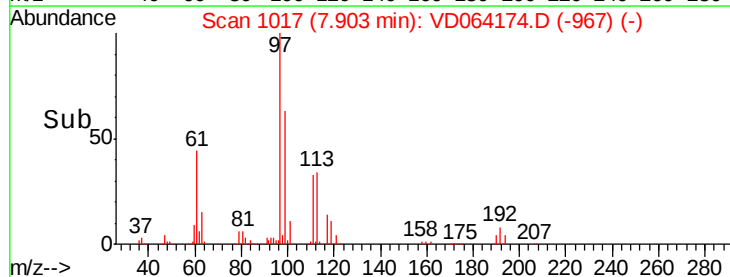
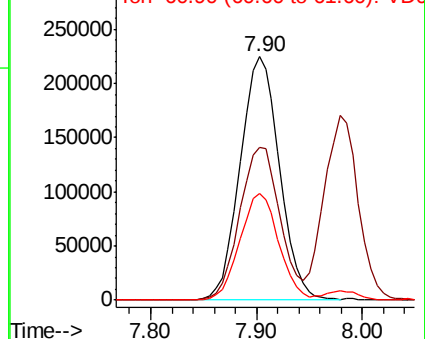
97 100

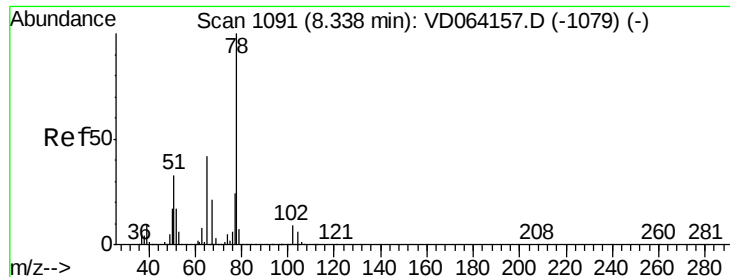
99 64.3 51.6 77.4

61 43.4 34.2 51.2



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 46.619 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

Instrument :

MSVOA_D

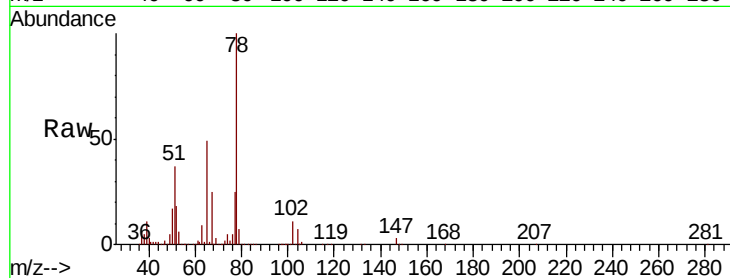
ClientSampleId :

Tot Ion: 65 Resp: 281181

Ion Ratio Lower Upper

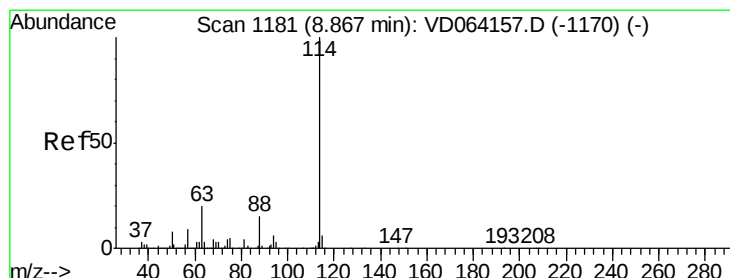
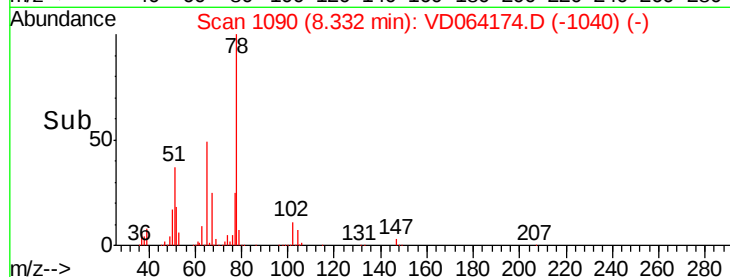
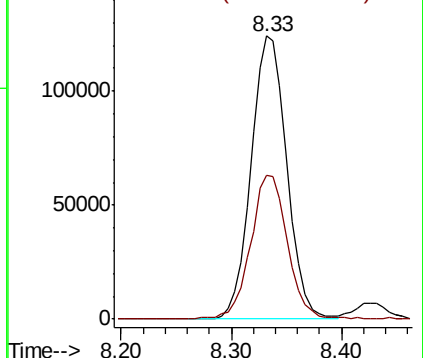
65 100

67 51.6 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

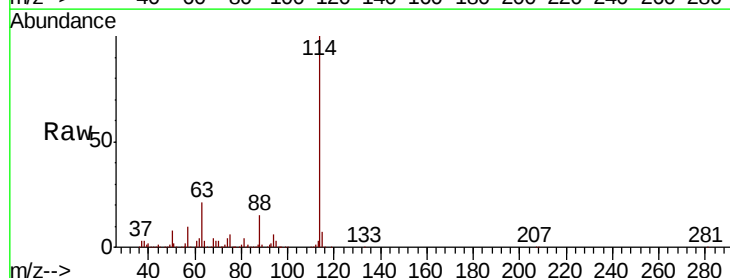
Tgt Ion: 114 Resp: 1047392

Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.0

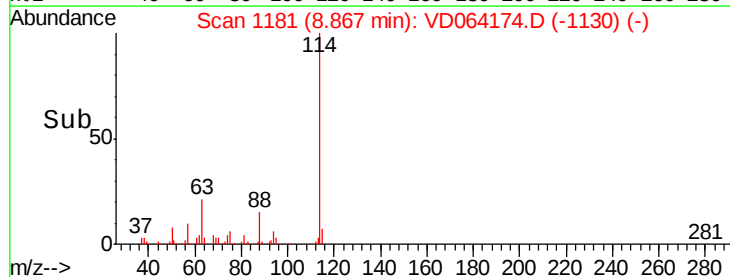
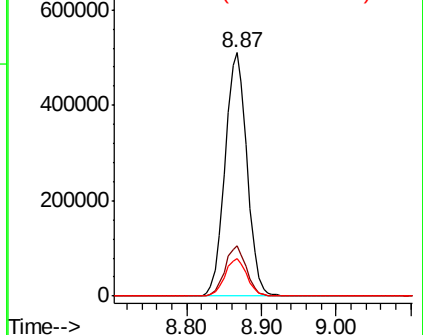
88 15.5 0.0 30.2

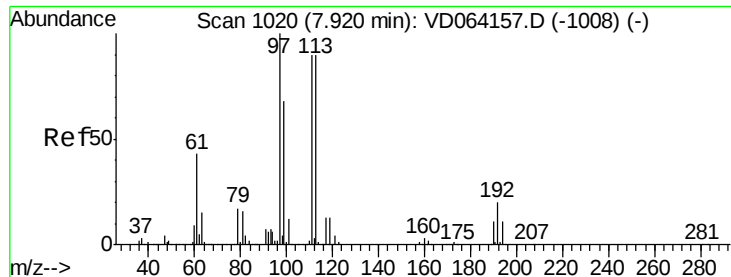


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

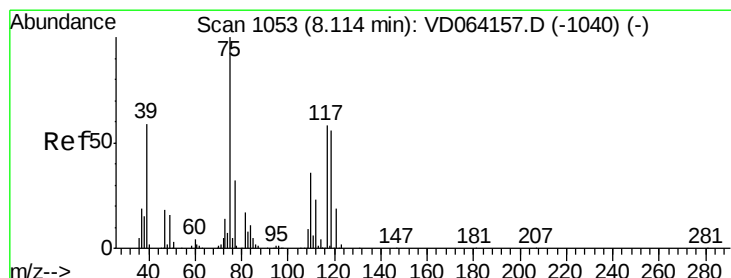
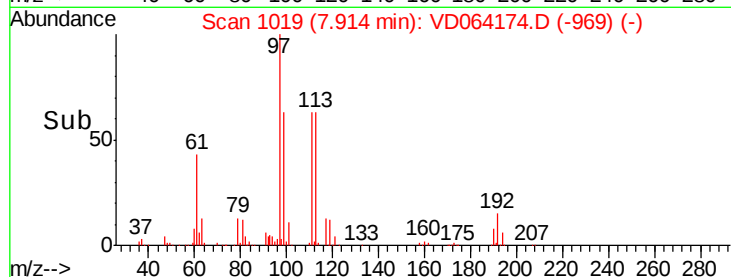
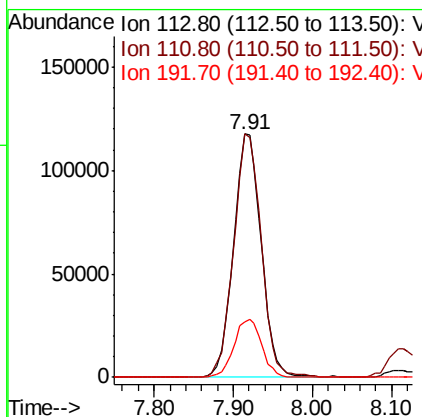
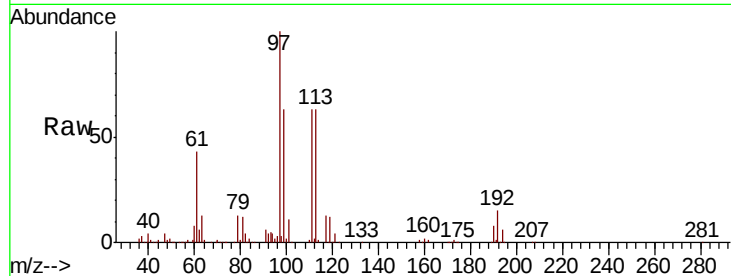




#35
 Dibromofluoromethane
 Concen: 47.232 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064174.D
 Acq: 11 Nov 2019 13:16

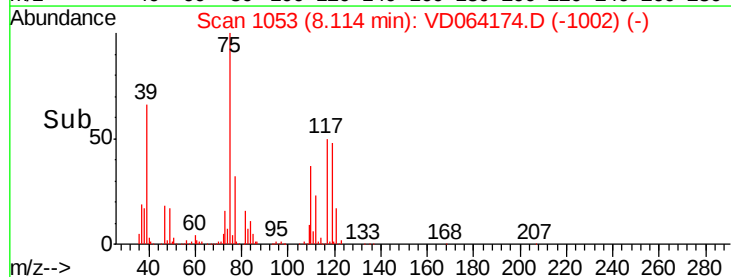
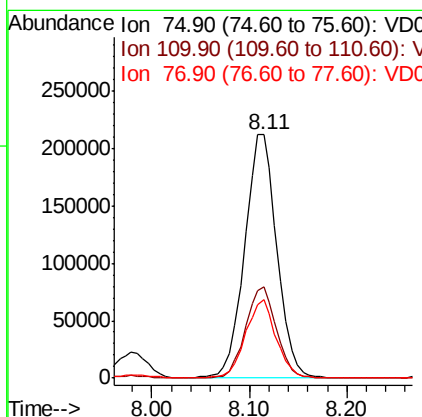
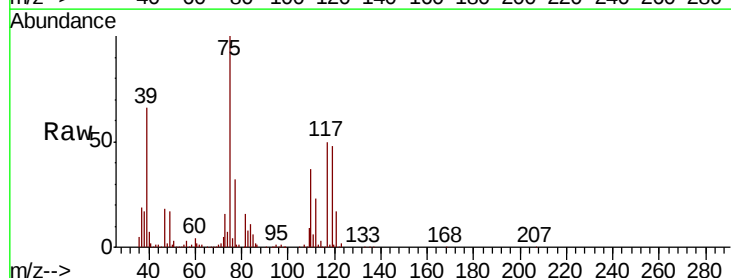
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	99.9	81.5	122.3
192	23.8	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 50.486 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064174.D
 Acq: 11 Nov 2019 13:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.0	18.3	54.9
77	30.8	25.0	37.6

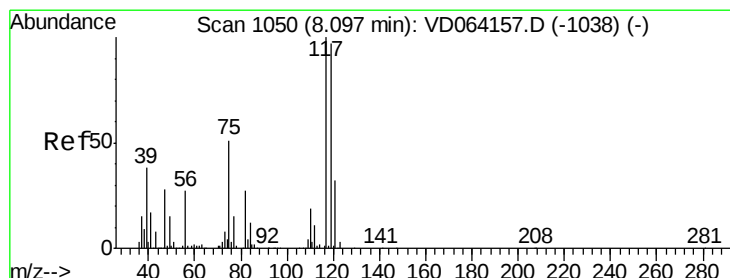
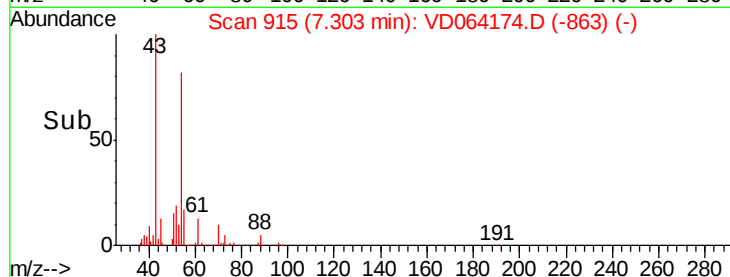
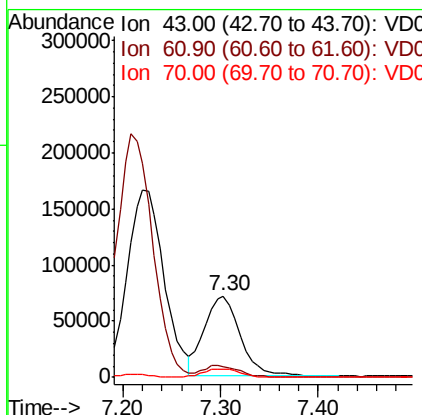
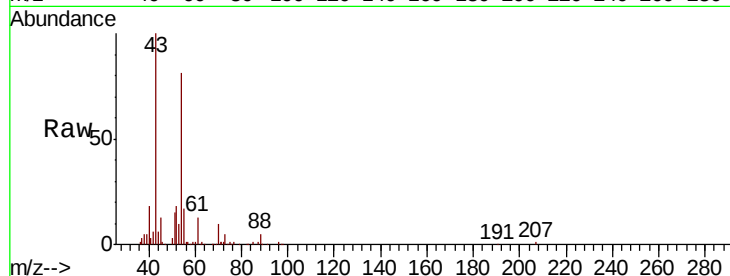




#37
Ethyl Acetate
Concen: 45.272 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

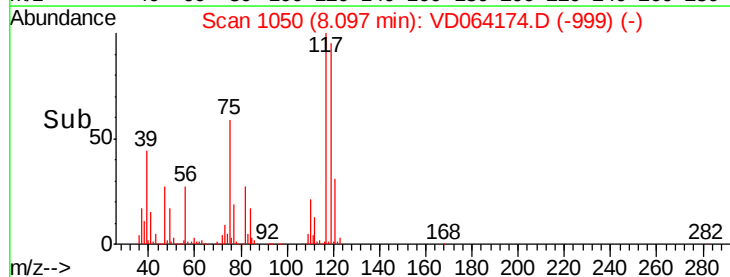
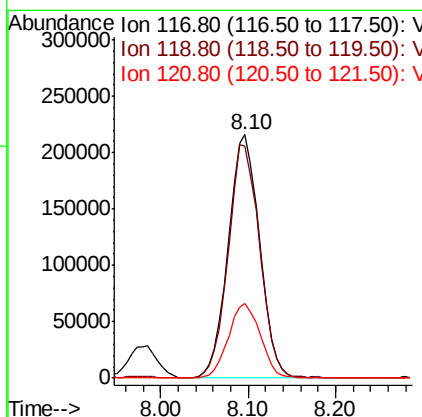
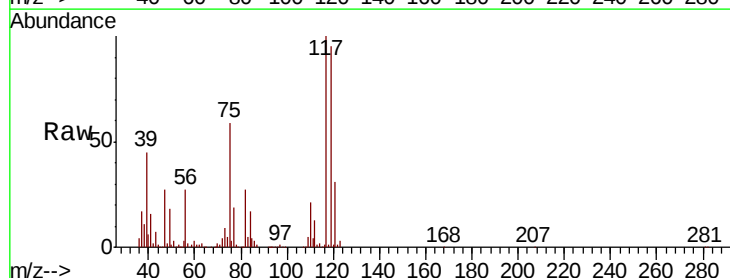
Instrument :
MSVOA_D
ClientSampled :

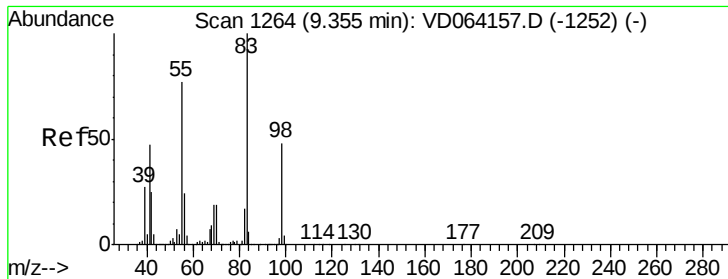
Tot Ion: 43 Resp: 184490
Ion Ratio Lower Upper
43 100
61 13.7 10.2 15.2
70 10.2 8.5 12.7



#38
Carbon Tetrachloride
Concen: 50.573 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Tgt Ion: 117 Resp: 523099
Ion Ratio Lower Upper
117 100
119 95.3 77.2 115.8
121 30.6 25.5 38.3

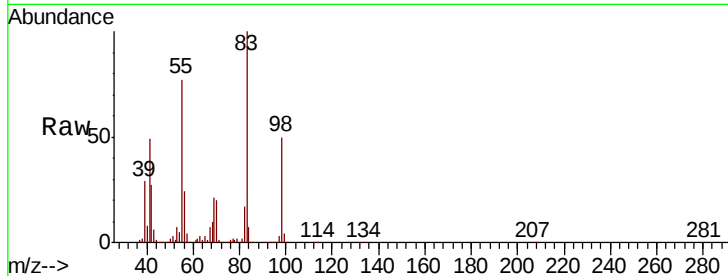




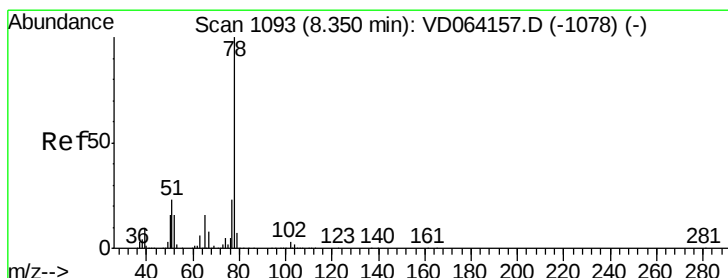
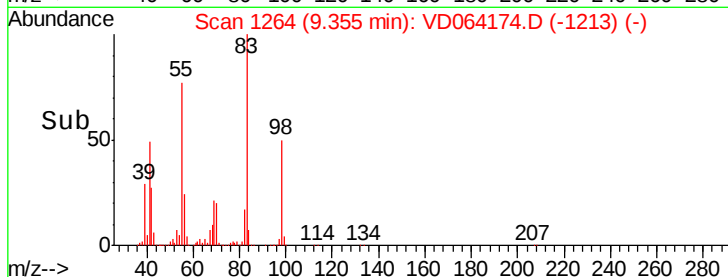
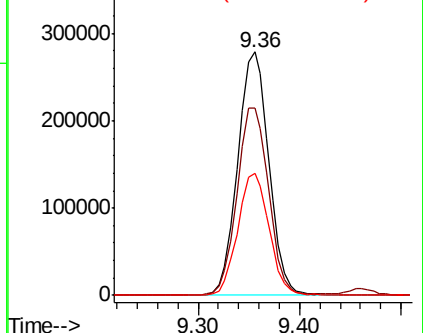
#39
Methvlcvclohexane
Concen: 48.372 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 591664
Ion Ratio Lower Upper
83 100
55 76.8 61.7 92.5
98 50.2 38.6 58.0

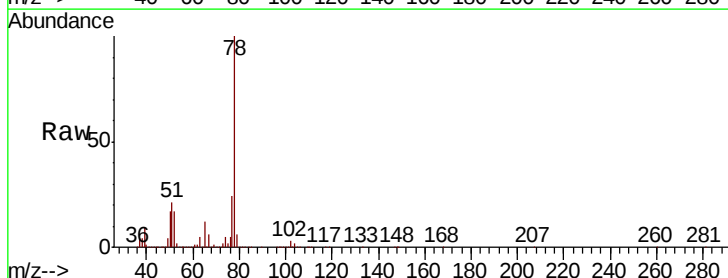


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

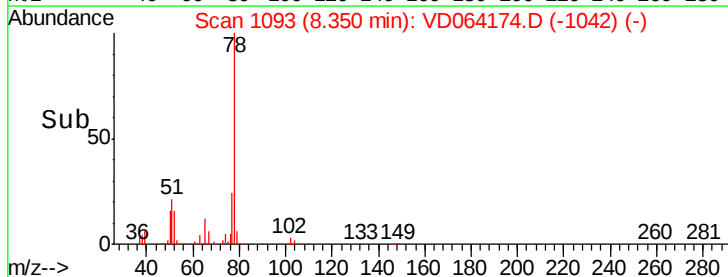
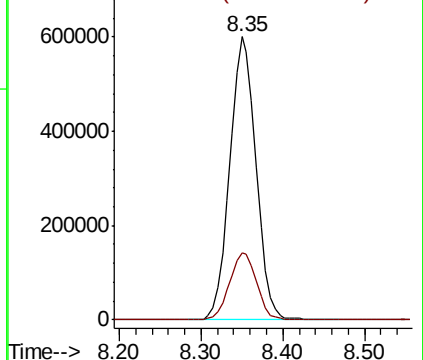


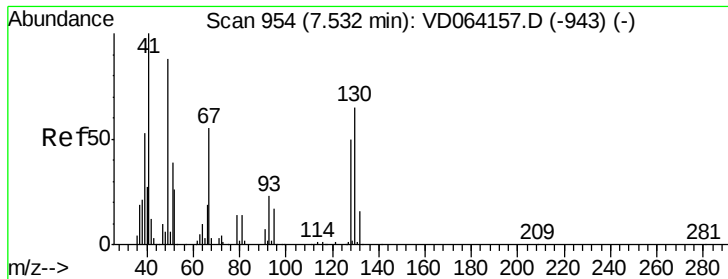
#40
Benzene
Concen: 50.479 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Tgt Ion: 78 Resp: 1333594
Ion Ratio Lower Upper
78 100
77 23.9 18.6 28.0



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC





#41

Methacrylonitrile

Concen: 43.920 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 41 Resp: 112494

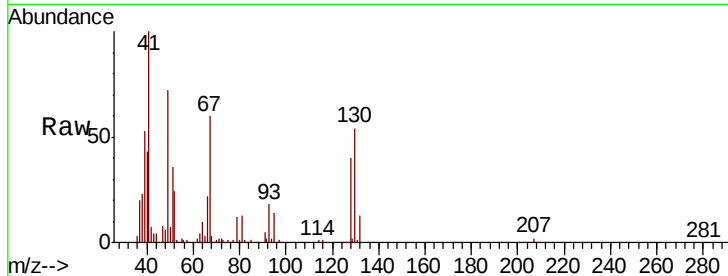
Ion Ratio Lower Upper

41 100

39 64.0 49.4 74.2

67 69.4 49.6 74.4

52 29.6 21.4 32.0

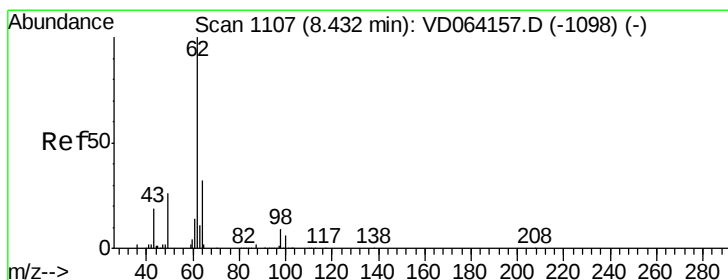
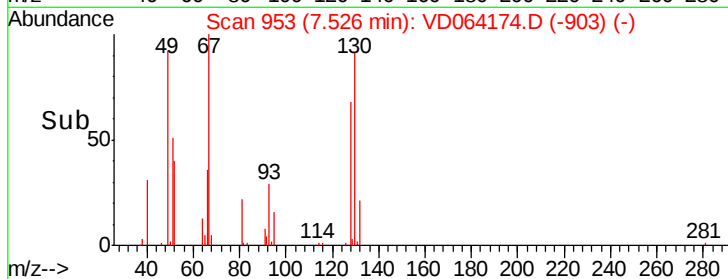
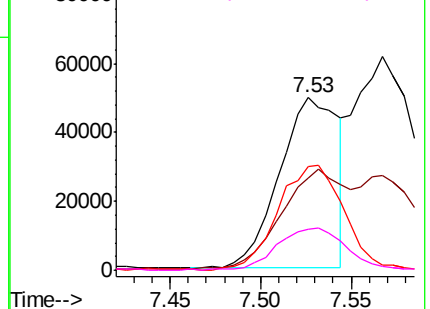


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 48.549 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD064174.D

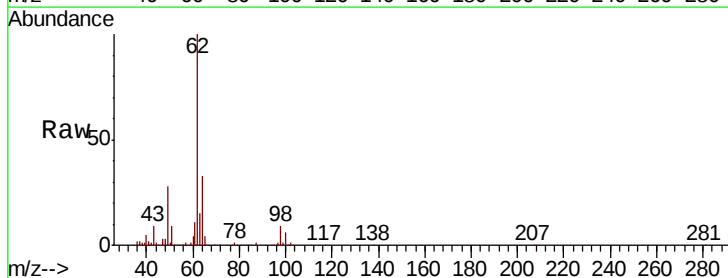
Acq: 11 Nov 2019 13:16

Tgt Ion: 62 Resp: 385218

Ion Ratio Lower Upper

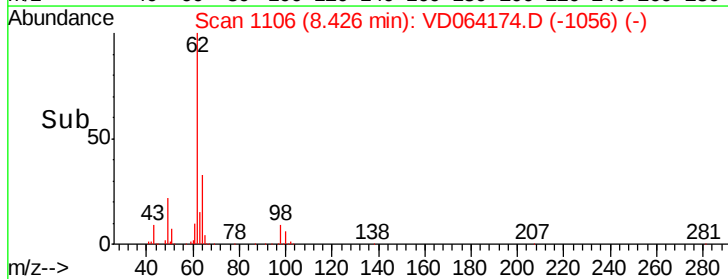
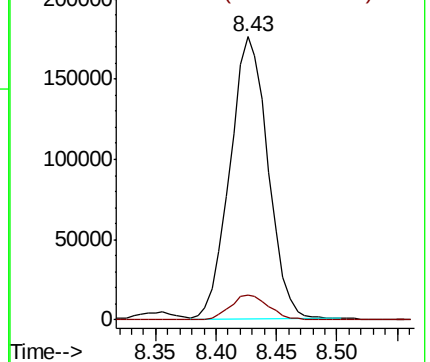
62 100

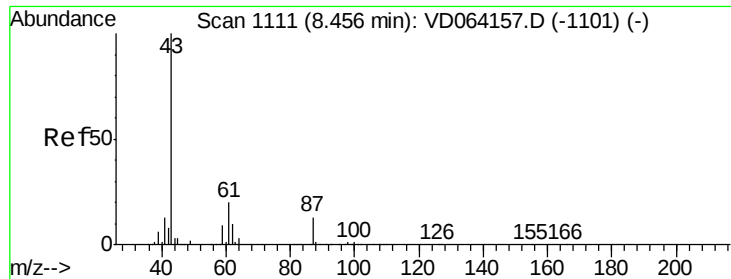
98 9.1 0.0 19.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 45.908 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

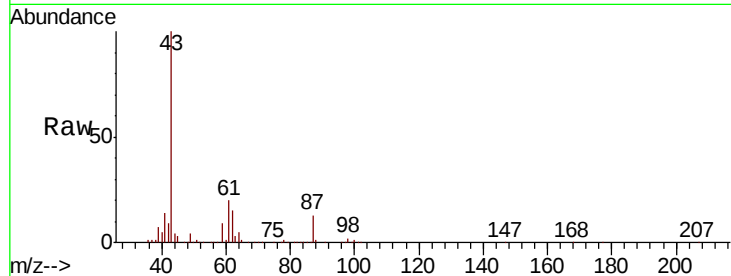
Tot Ion: 43 Resp: 385468

Ion Ratio Lower Upper

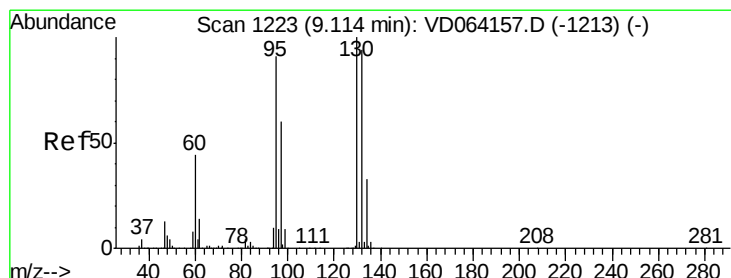
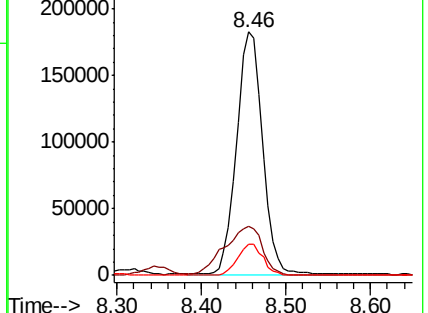
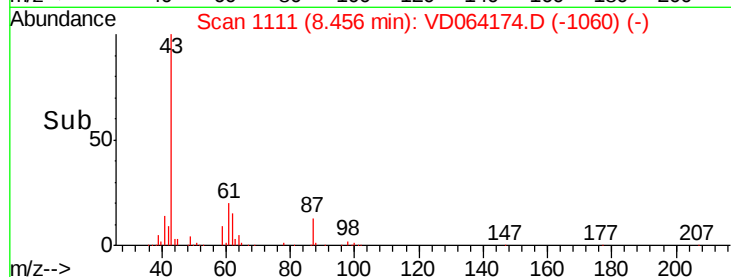
43 100

61 29.2 22.9 34.3

87 12.6 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: 50.450 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD064174.D

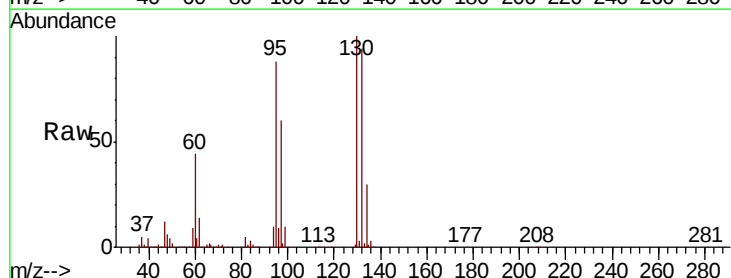
Acq: 11 Nov 2019 13:16

Tgt Ion:130 Resp: 400024

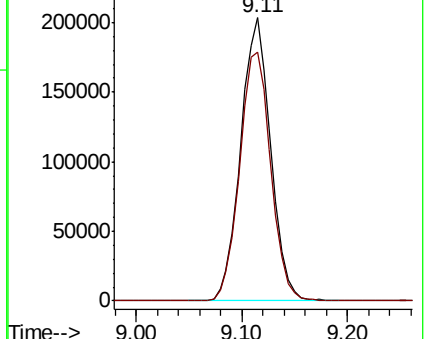
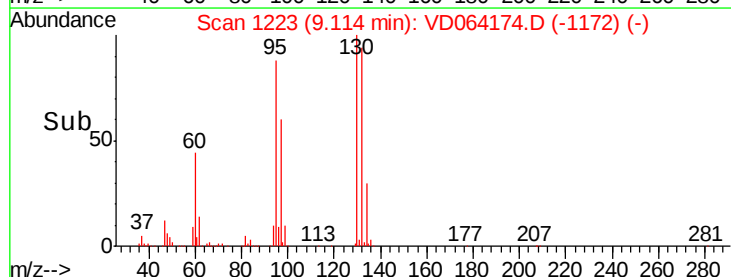
Ion Ratio Lower Upper

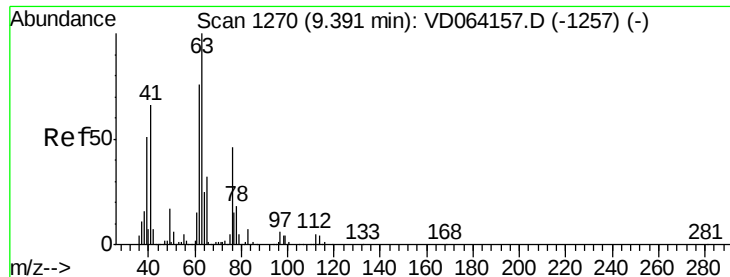
130 100

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

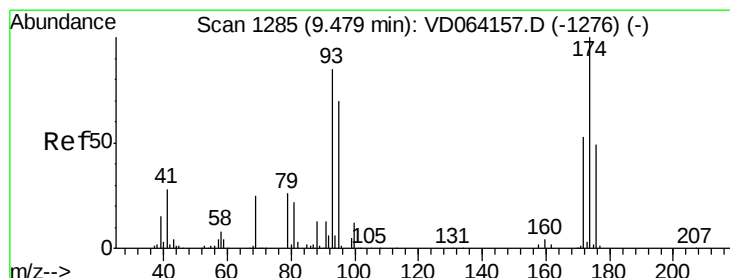
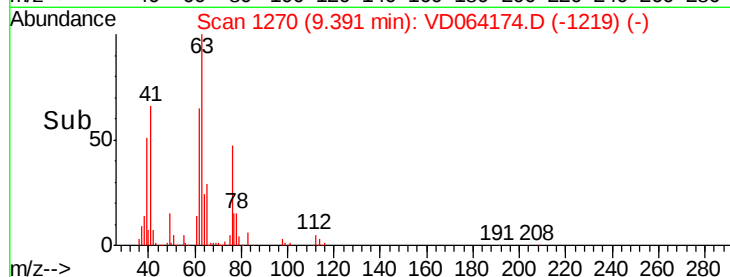
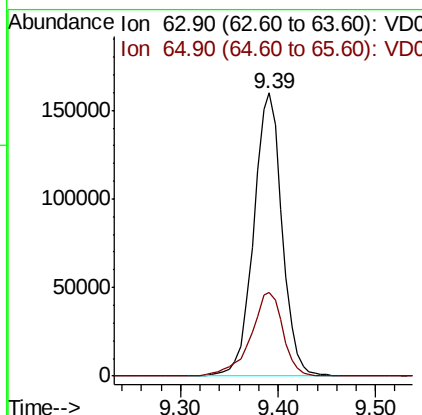
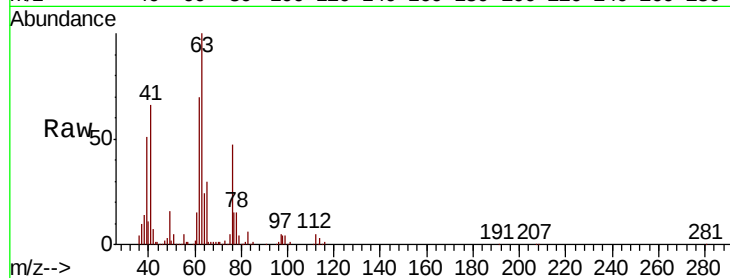




#45
 1,2-Dichloropropane
 Concen: 50.333 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD064174.D
 Acq: 11 Nov 2019 13:16

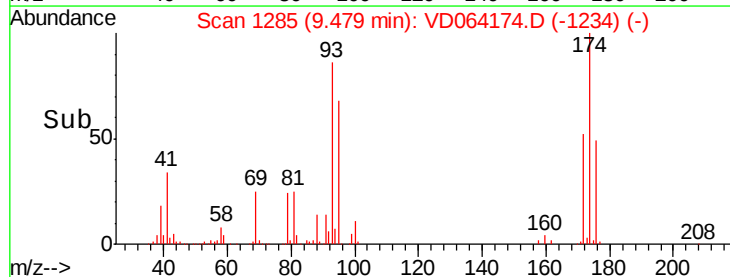
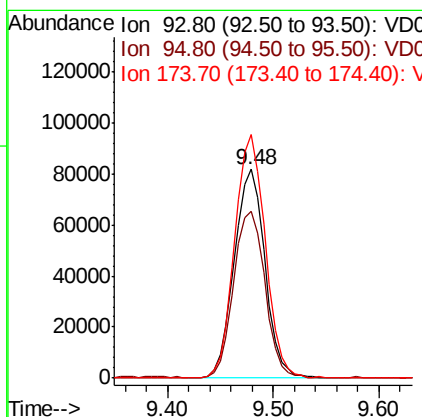
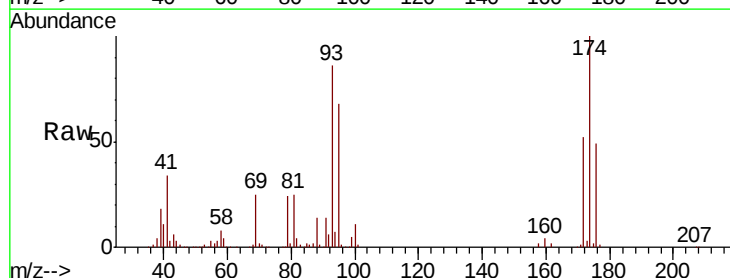
Instrument :
 MSVOA_D
 ClientSampleId :

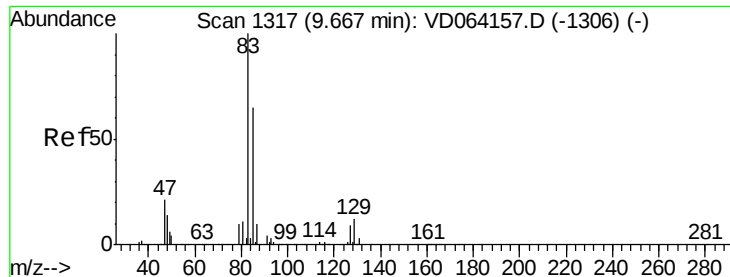
Tot Ion: 63 Resp: 323655
 Ion Ratio Lower Upper
 63 100
 65 29.5 25.7 38.5



#46
 Dibromomethane
 Concen: 47.936 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD064174.D
 Acq: 11 Nov 2019 13:16

Tgt Ion: 93 Resp: 165018
 Ion Ratio Lower Upper
 93 100
 95 81.8 65.5 98.3
 174 115.7 93.9 140.9





#47

Bromodichloromethane

Concen: 49.516 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

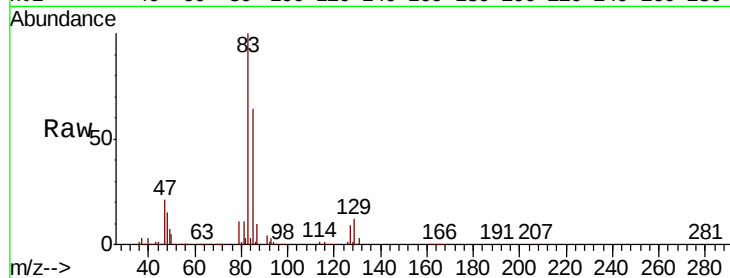
Tot Ion: 83 Resp: 459151

Ion Ratio Lower Upper

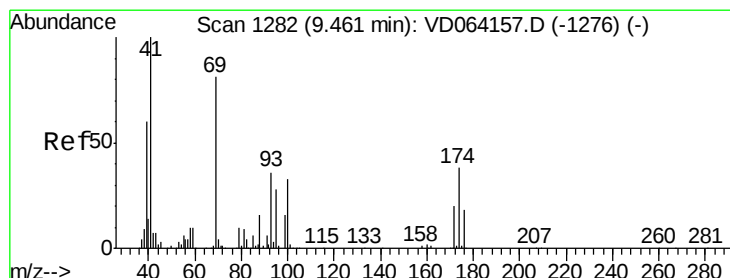
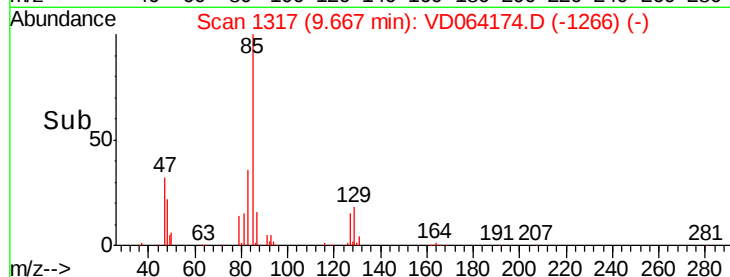
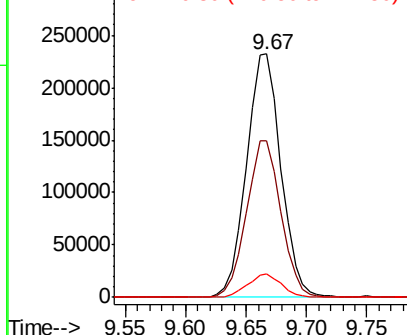
83 100

85 64.0 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): V



#48

Methyl methacrylate

Concen: 45.279 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

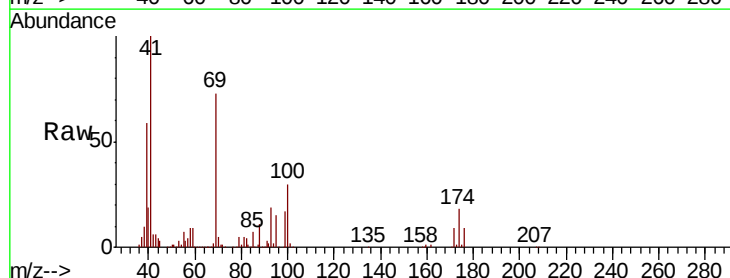
Tgt Ion: 41 Resp: 185903

Ion Ratio Lower Upper

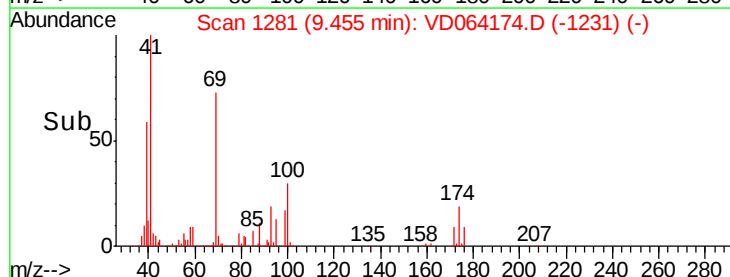
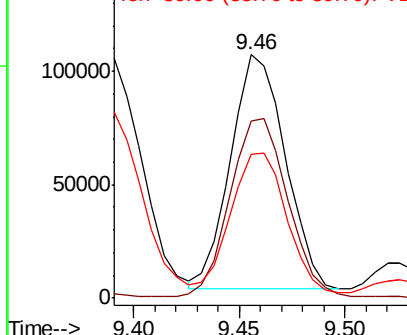
41 100

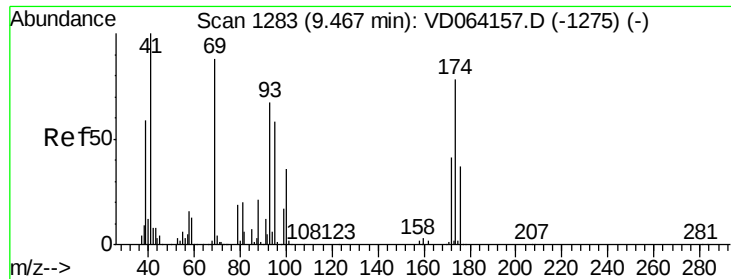
69 81.0 64.6 97.0

39 60.7 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

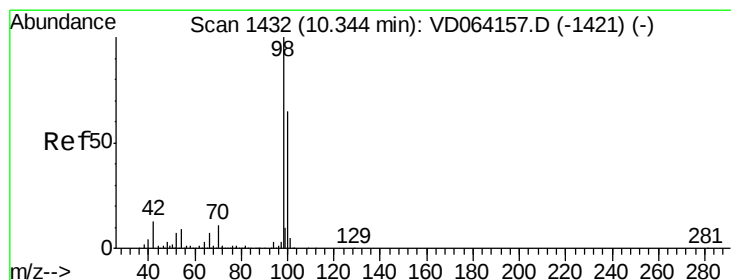
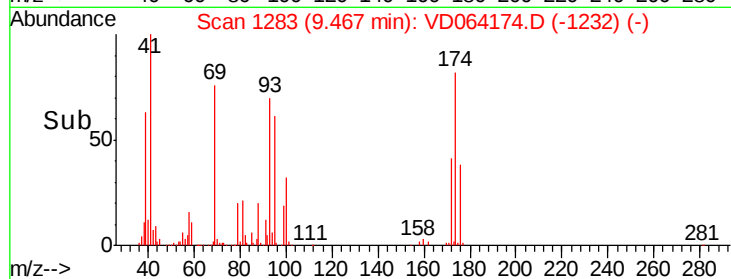
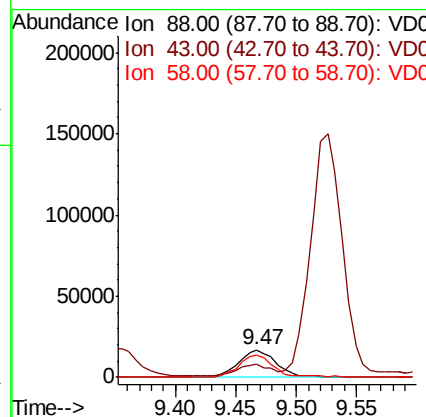
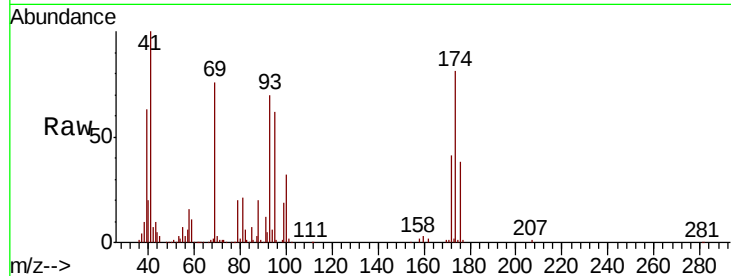




#49
1,4-Dioxane
Concen: 887.913 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

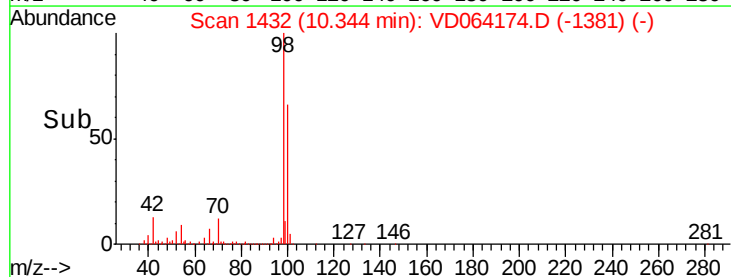
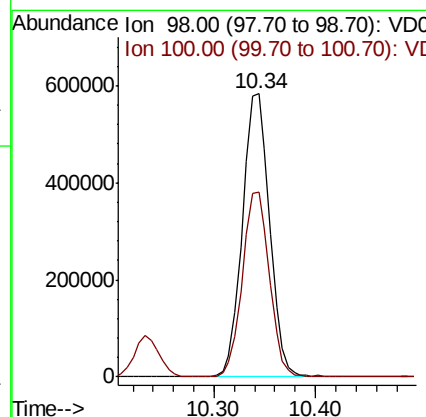
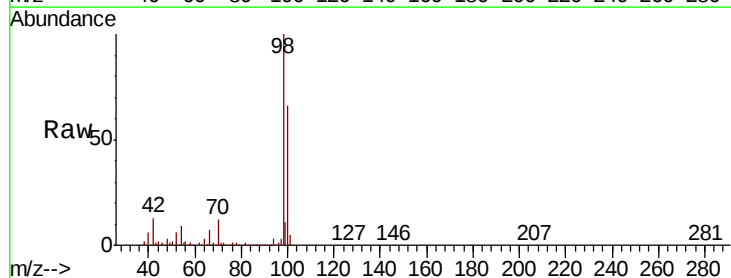
Instrument :
MSVOA_D
ClientSampleId :

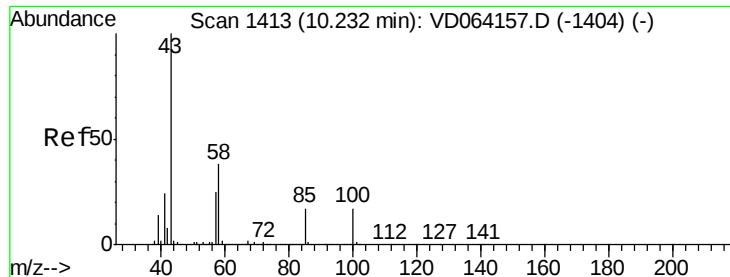
Tot Ion: 88 Resp: 36710
Ion Ratio Lower Upper
88 100
43 35.7 29.8 44.8
58 75.5 58.1 87.1



#50
Toluene-d8
Concen: 47.865 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Tgt Ion: 98 Resp: 1085595
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 229.124 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

Instrument :

MSVOA_D

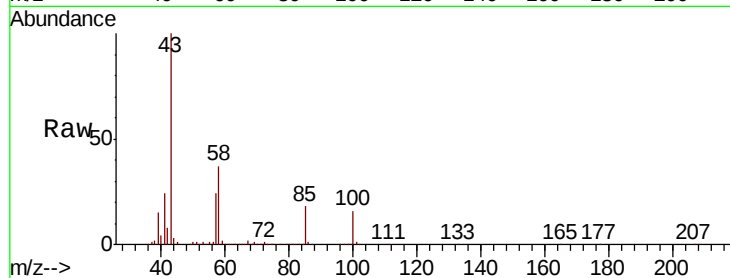
ClientSampled :

Tot Ion: 43 Resp: 922568

Ion Ratio Lower Upper

43 100

58 37.5 30.2 45.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

500000

400000

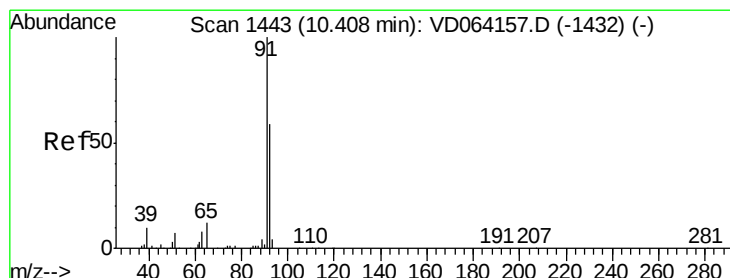
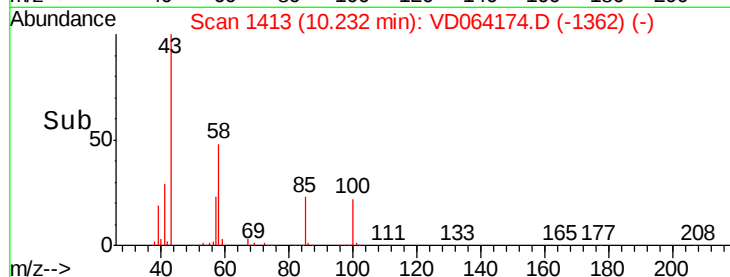
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.209 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064174.D

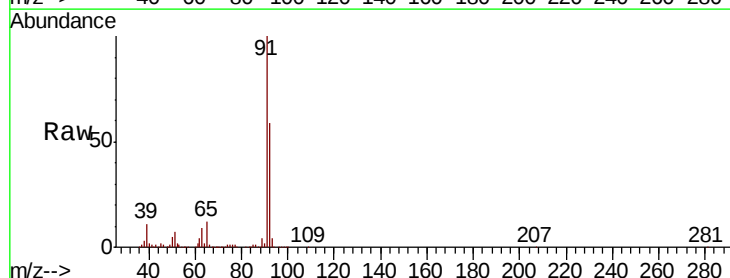
Acq: 11 Nov 2019 13:16

Tgt Ion: 92 Resp: 872227

Ion Ratio Lower Upper

92 100

91 171.9 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

1000000

800000

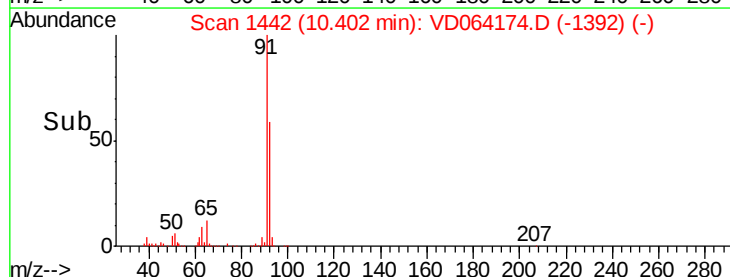
600000

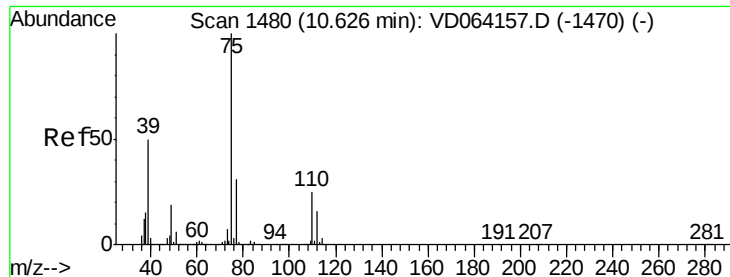
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 48.845 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

Instrument :

MSVOA_D

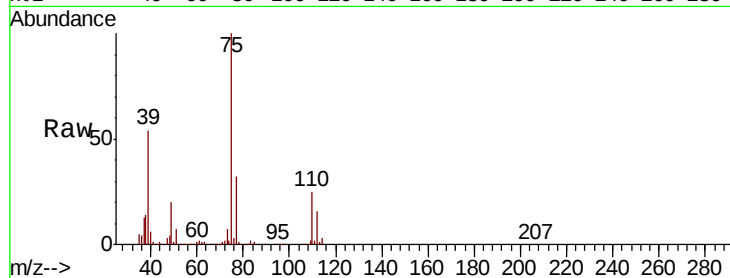
ClientSampleId :

Tot Ion: 75 Resp: 453759

Ion Ratio Lower Upper

75 100

77 31.5 24.7 37.1



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.63

250000

200000

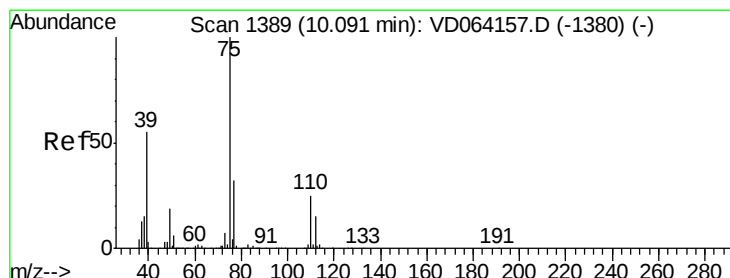
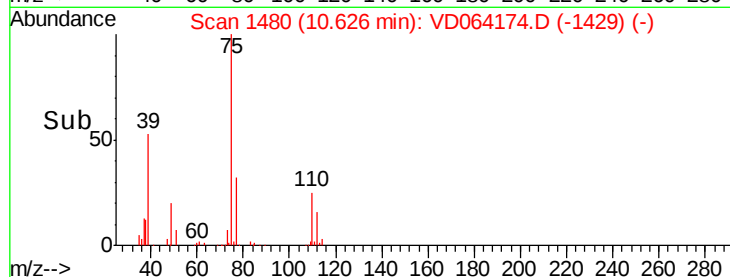
150000

100000

50000

0

Time--> 10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 49.975 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

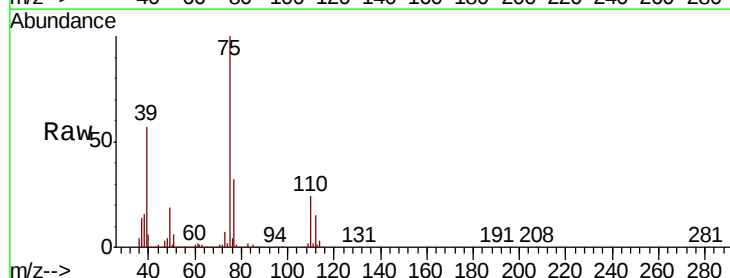
Tgt Ion: 75 Resp: 541752

Ion Ratio Lower Upper

75 100

77 31.9 25.2 37.8

39 56.4 44.2 66.2



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

10.09

400000

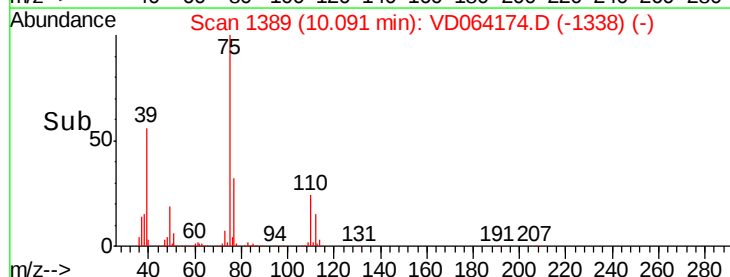
300000

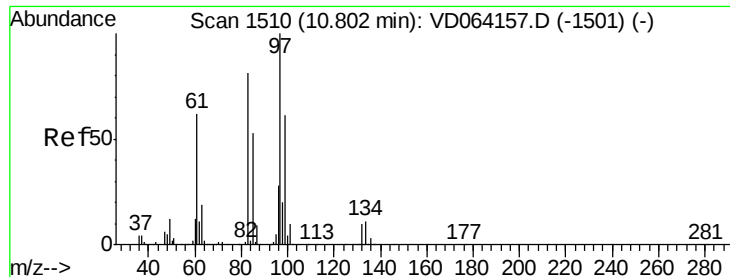
200000

100000

0

Time--> 10.00 10.10 10.20

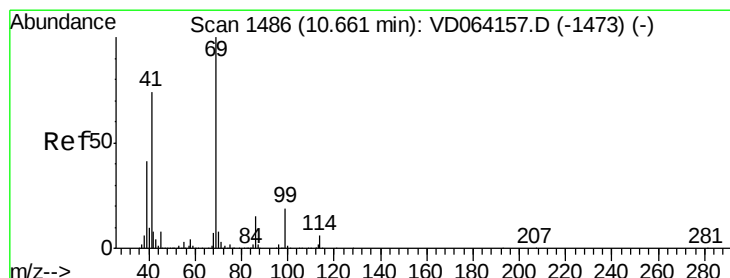
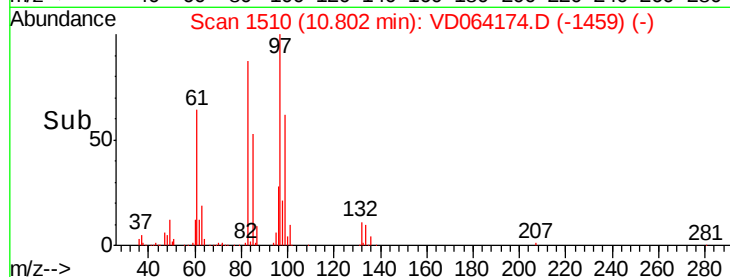
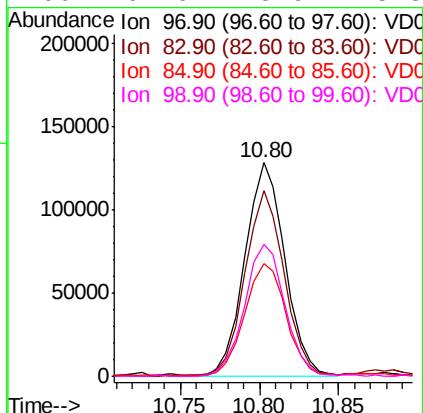
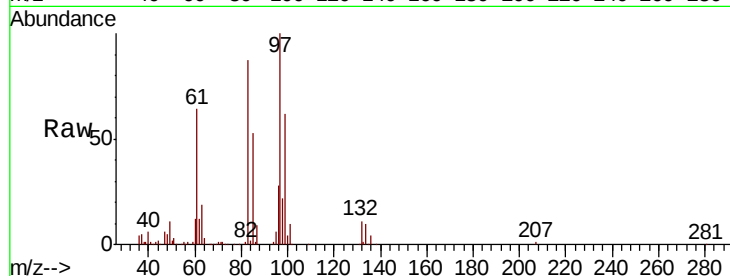




#55
 1,1,2-Trichloroethane
 Concen: 47.955 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064174.D
 Acq: 11 Nov 2019 13:16

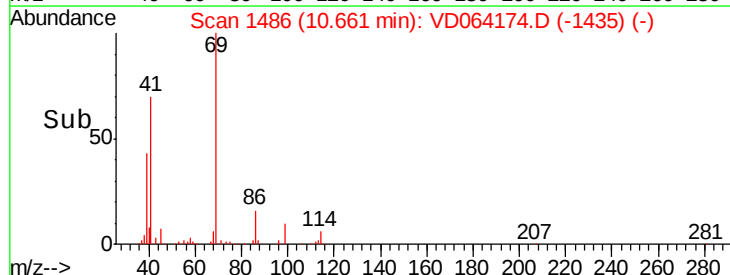
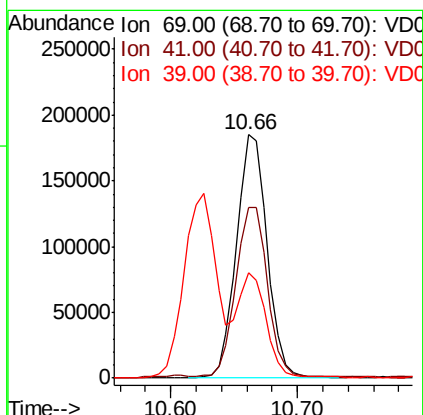
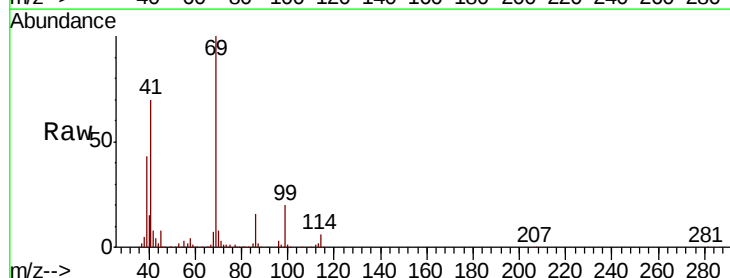
Instrument :
 MSVOA_D
 ClientSampleId :

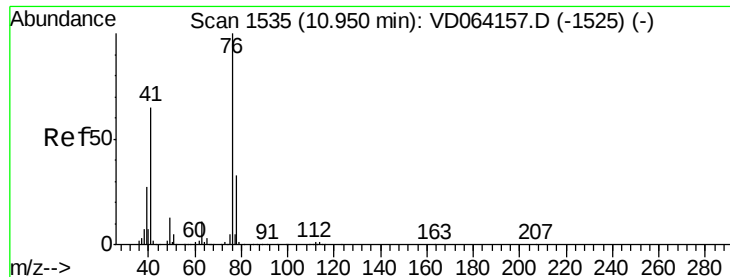
Tot Ion:	97	Resp:	223948
Ion	Ratio	Lower	Upper
97	100		
83	86.6	65.1	97.7
85	52.6	42.0	63.0
99	61.6	48.9	73.3



#56
 Ethyl methacrylate
 Concen: 47.191 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD064174.D
 Acq: 11 Nov 2019 13:16

Tgt Ion:	69	Resp:	308288
Ion	Ratio	Lower	Upper
69	100		
41	72.8	57.9	86.9
39	41.0	29.0	43.4





#57

1,3-Dichloropropane

Concen: 48.507 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

Instrument :

MSVOA_D

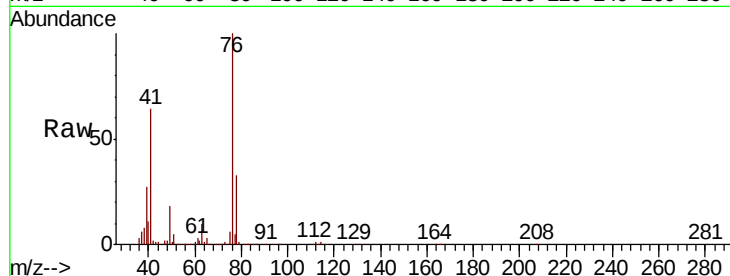
ClientSampleId :

Tot Ion: 76 Resp: 395065

Ion Ratio Lower Upper

76 100

78 33.3 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

250000

200000

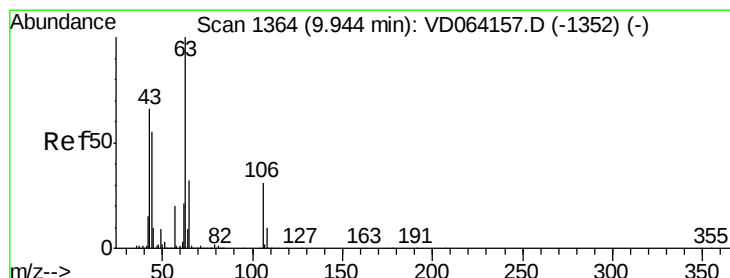
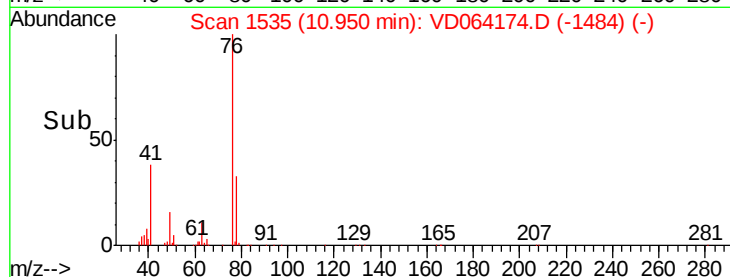
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 222.418 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD064174.D

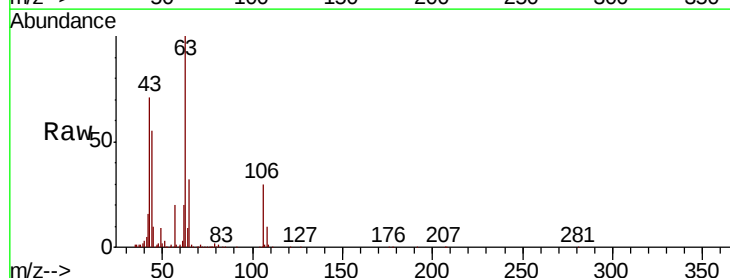
Acq: 11 Nov 2019 13:16

Tgt Ion: 63 Resp: 588569

Ion Ratio Lower Upper

63 100

106 30.6 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC

9.94

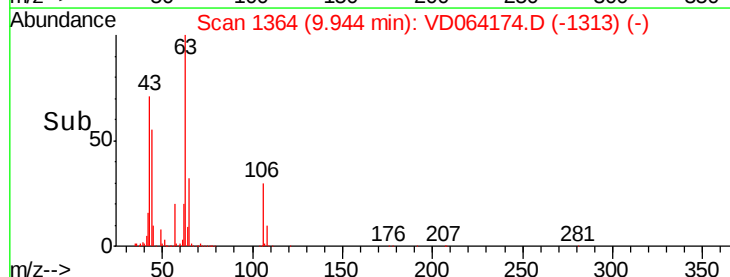
300000

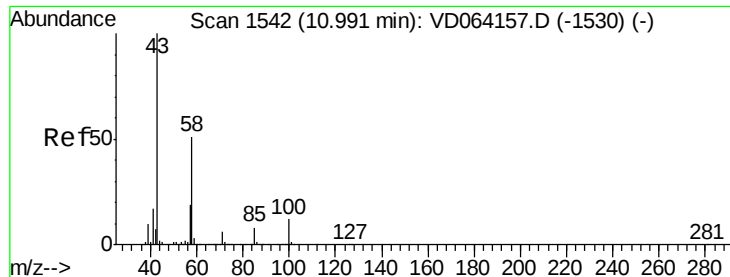
200000

100000

0

Time-->

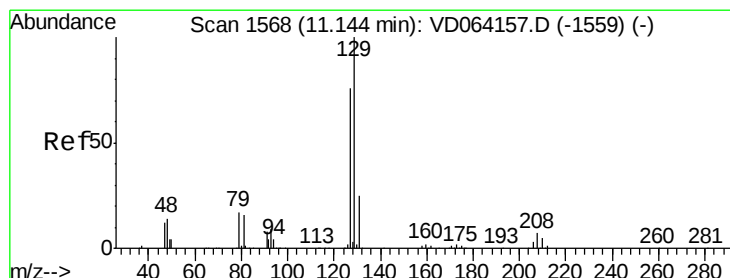
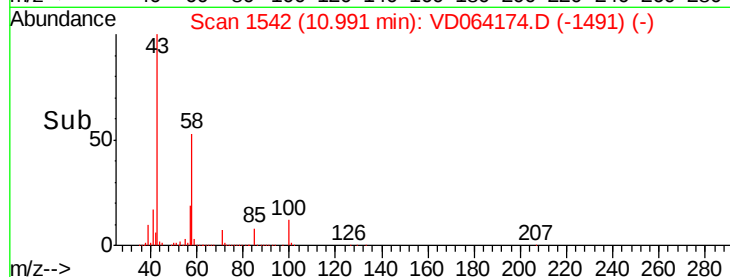
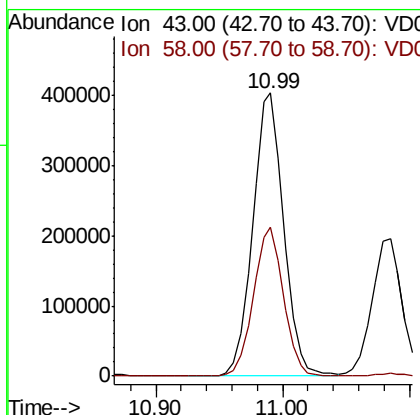
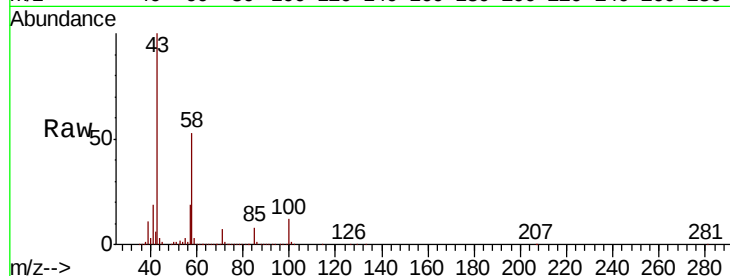




#59
2-Hexanone
Concen: 236.975 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

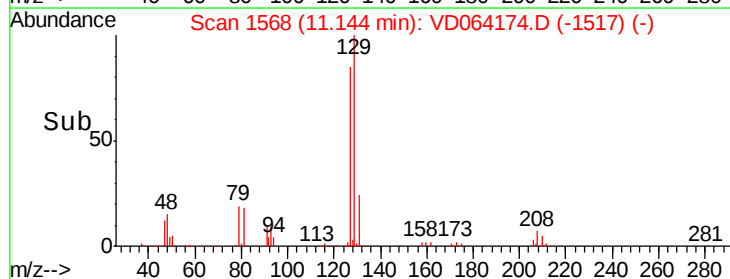
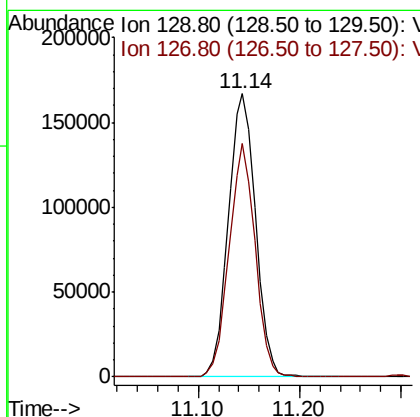
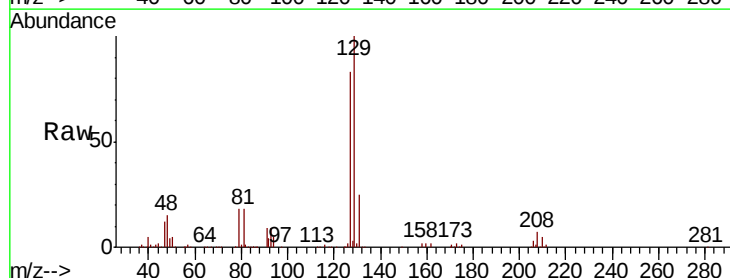
Instrument :
MSVOA_D
ClientSampled :

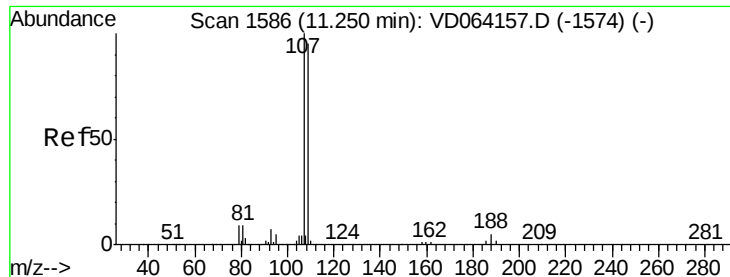
Tot Ion: 43 Resp: 678846
Ion Ratio Lower Upper
43 100
58 51.5 25.9 77.7



#60
Dibromochloromethane
Concen: 47.692 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Tgt Ion: 129 Resp: 310776
Ion Ratio Lower Upper
129 100
127 78.4 38.6 115.8

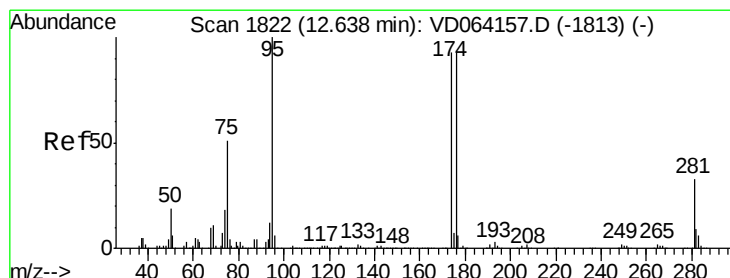
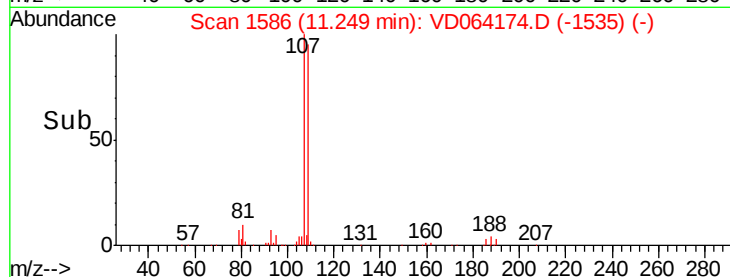
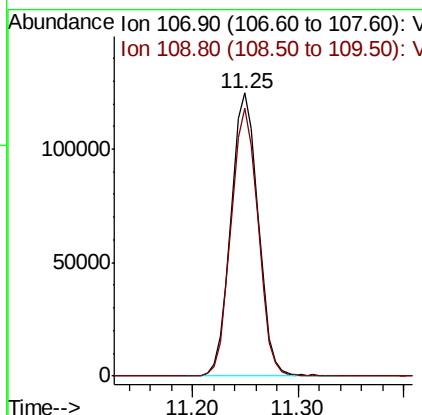
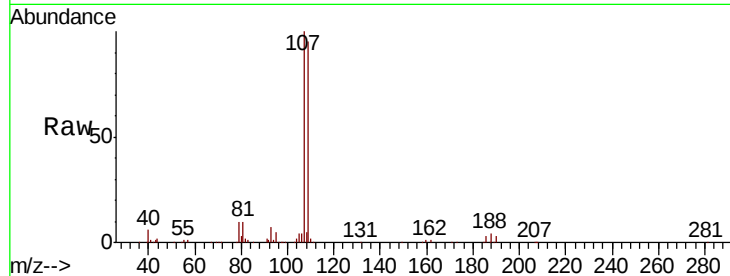




#61
 1,2-Dibromoethane
 Concen: 47.552 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064174.D
 Acq: 11 Nov 2019 13:16

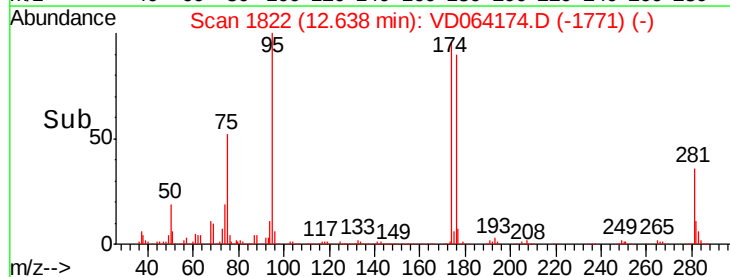
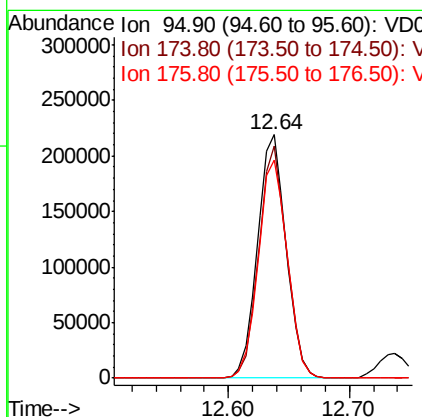
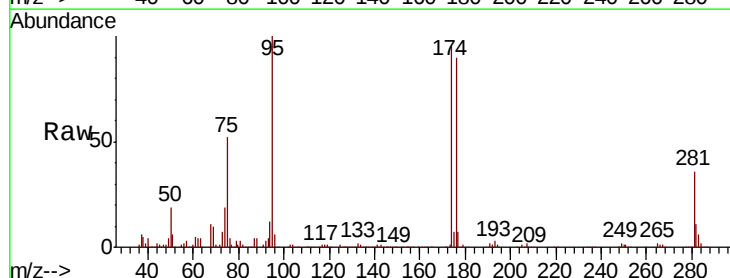
Instrument :
 MSVOA_D
 ClientSampled :

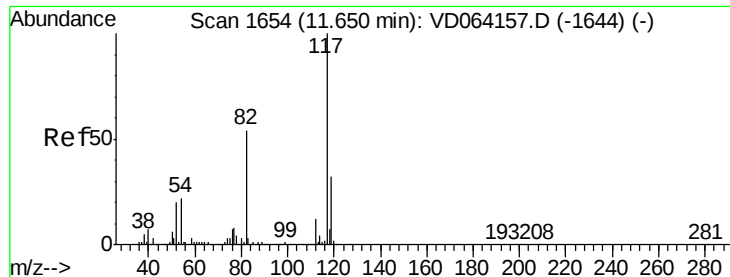
Tot Ion:107 Resp: 222424
 Ion Ratio Lower Upper
 107 100
 109 93.8 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 45.731 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064174.D
 Acq: 11 Nov 2019 13:16

Tgt Ion: 95 Resp: 359195
 Ion Ratio Lower Upper
 95 100
 174 92.9 0.0 183.6
 176 90.7 0.0 180.2

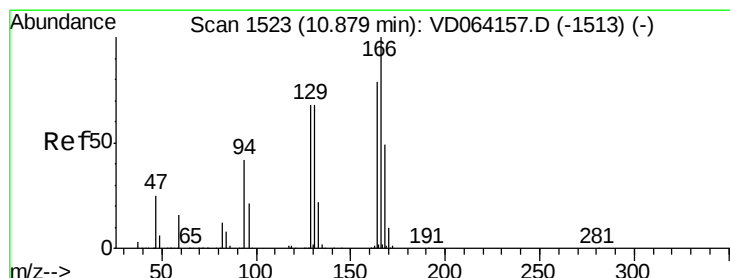
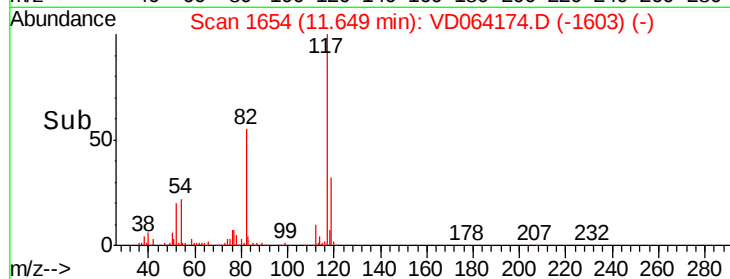
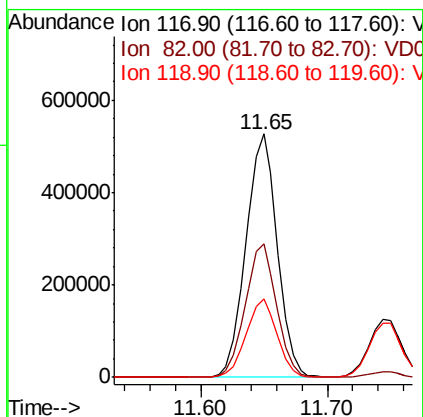
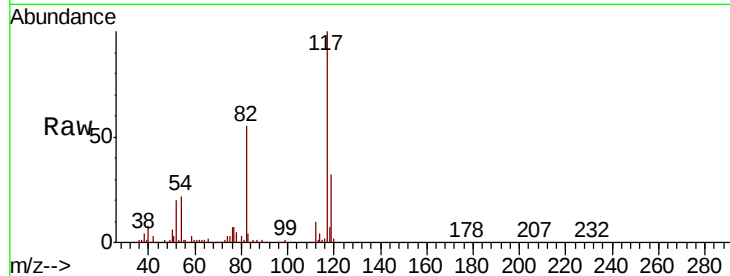




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

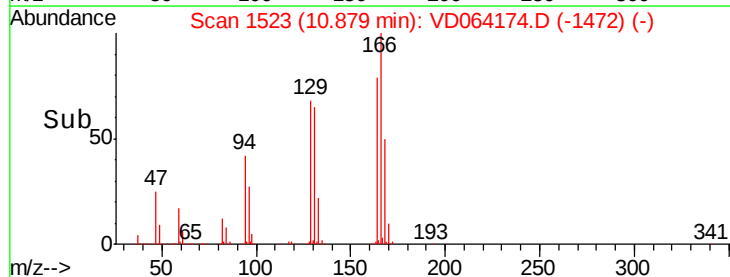
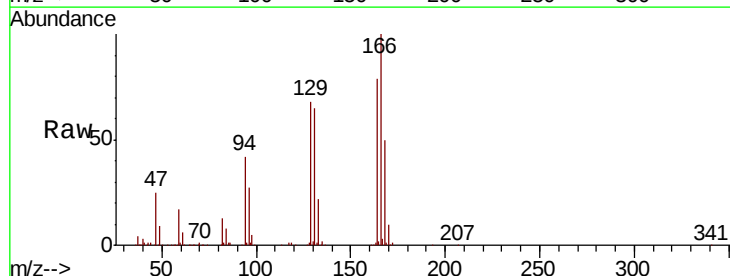
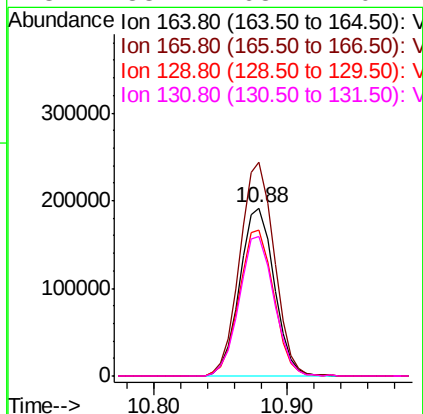
Instrument :
MSVOA_D
ClientSampleId :

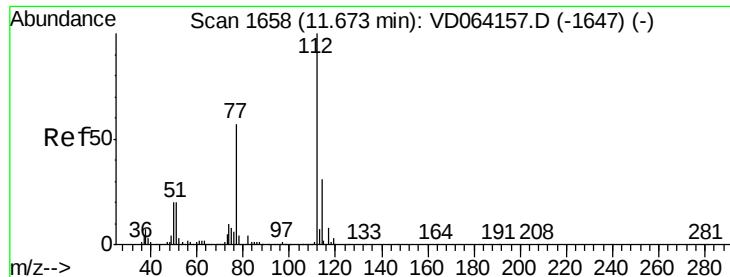
Tot Ion:117 Resp: 904410
Ion Ratio Lower Upper
117 100
82 54.6 42.8 64.2
119 32.5 25.6 38.4



#64
Tetrachloroethene
Concen: 49.183 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Tgt Ion:164 Resp: 342106
Ion Ratio Lower Upper
164 100
166 127.2 100.8 151.2
129 86.9 68.7 103.1
131 83.1 68.1 102.1

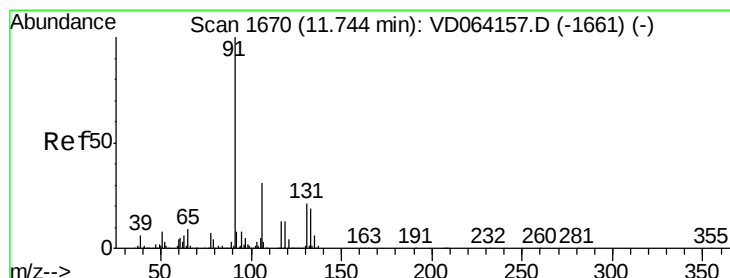
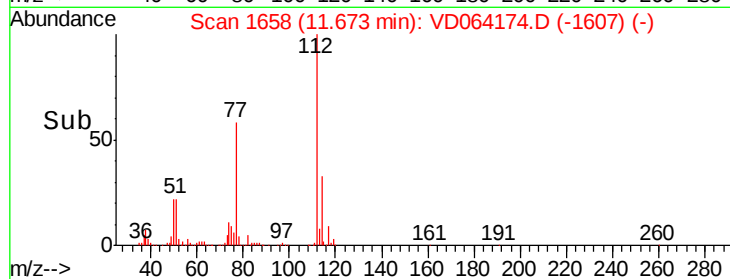
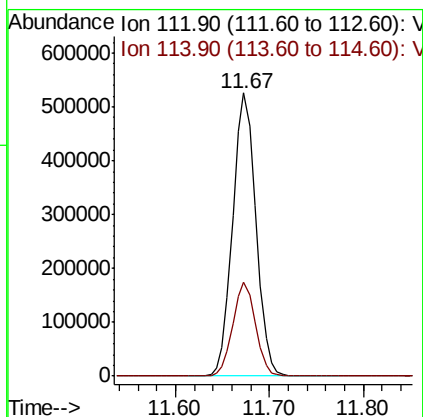
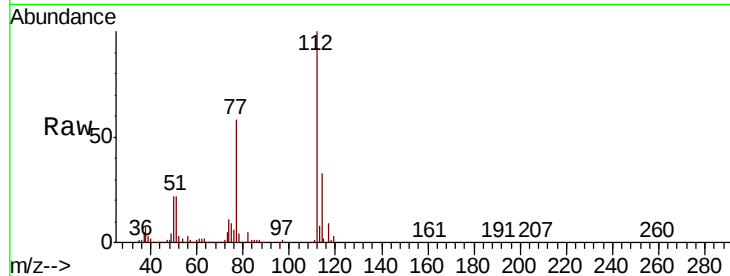




#65
Chlorobenzene
Concen: 49.057 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

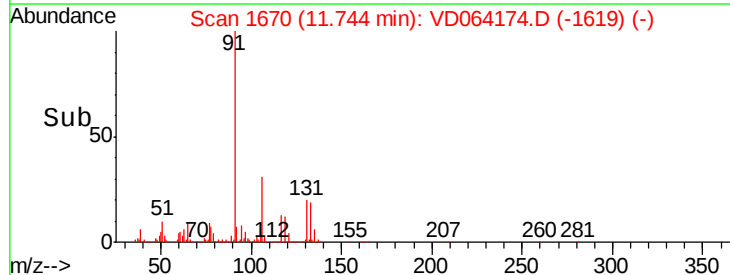
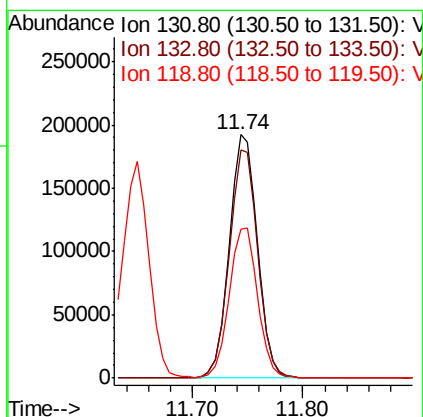
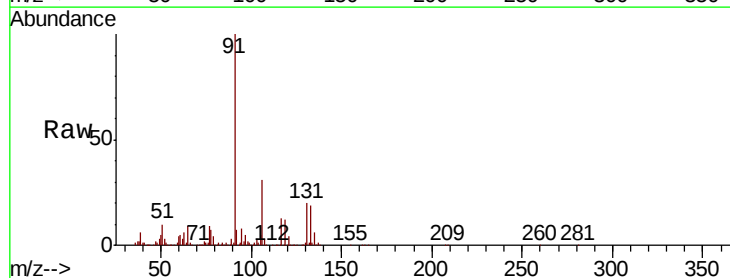
Instrument :
MSVOA_D
ClientSampleId :

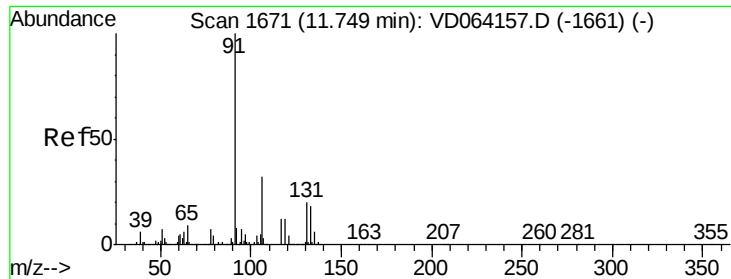
Tot Ion:112 Resp: 902226
Ion Ratio Lower Upper
112 100
114 33.3 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 48.989 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Tgt Ion:131 Resp: 342586
Ion Ratio Lower Upper
131 100
133 95.4 47.3 141.9
119 62.7 31.1 93.3

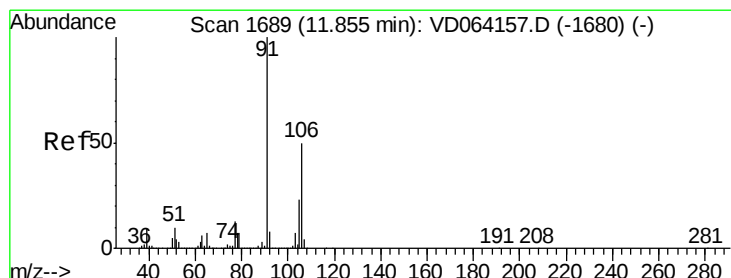
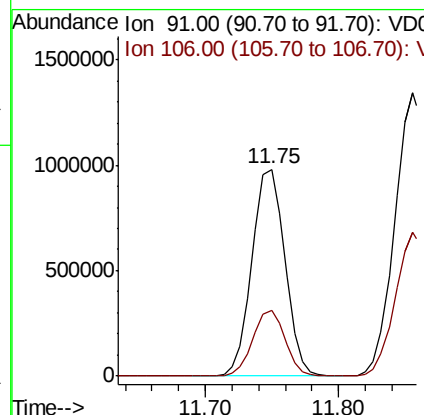
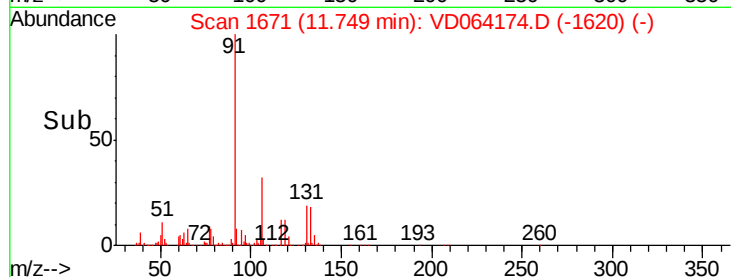
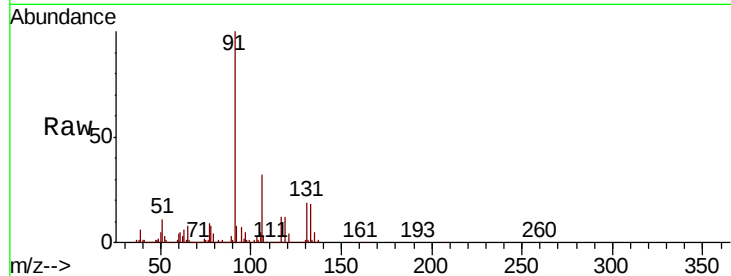




#67
Ethyl Benzene
Concen: 50.329 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

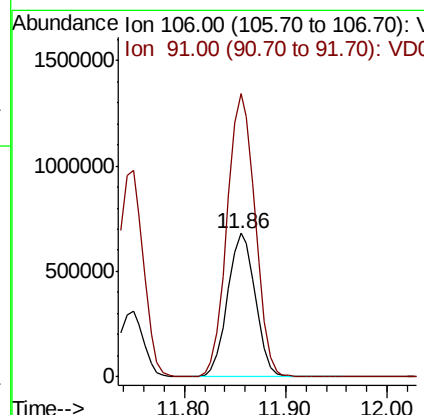
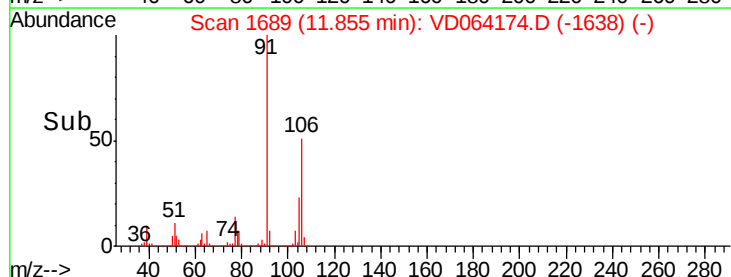
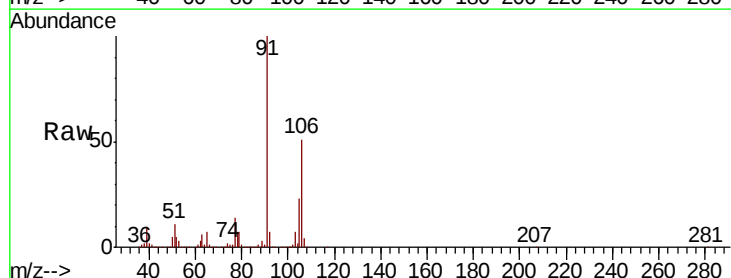
Instrument :
MSVOA_D
ClientSampled :

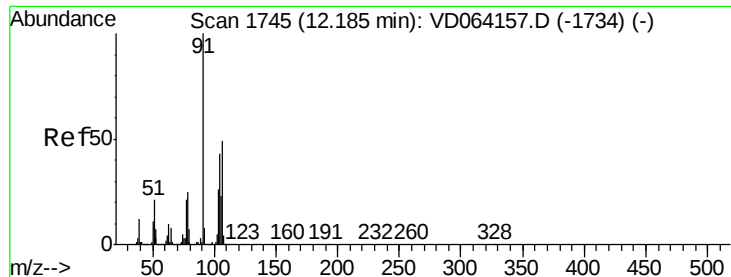
Tot Ion: 91 Resp: 1674270
Ion Ratio Lower Upper
91 100
106 31.8 25.5 38.3



#68
m/p-Xylenes
Concen: 101.062 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Tgt Ion: 106 Resp: 1288660
Ion Ratio Lower Upper
106 100
91 199.3 160.3 240.5

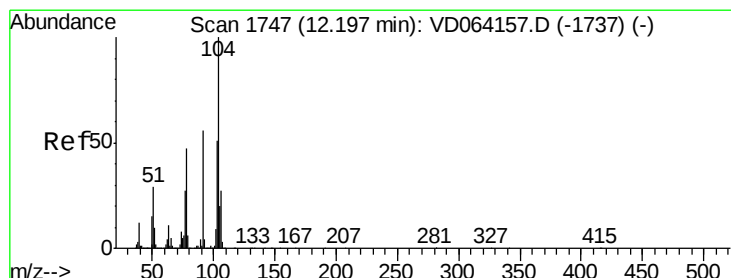
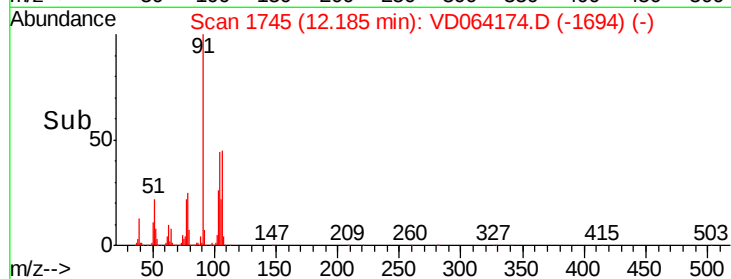
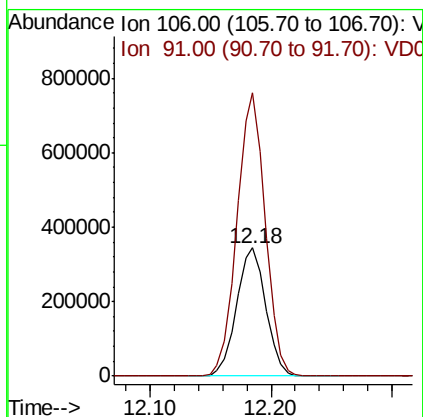
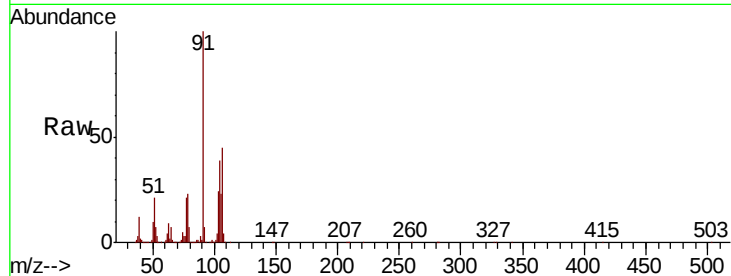




#69
o-Xylene
Concen: 48.999 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

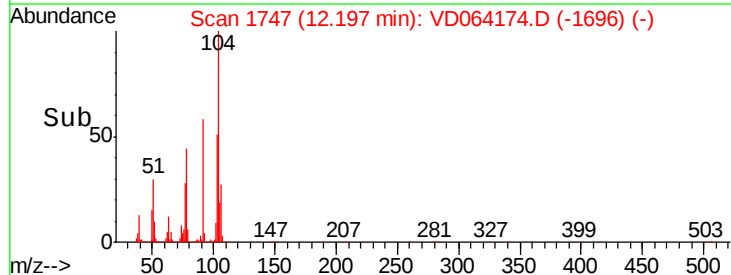
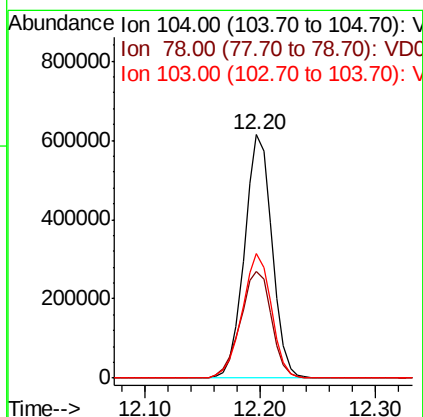
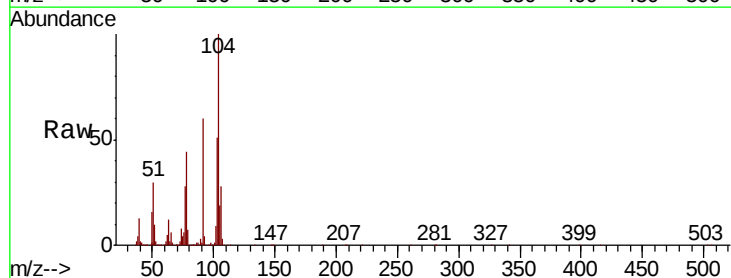
Instrument :
MSVOA_D
ClientSampleId :

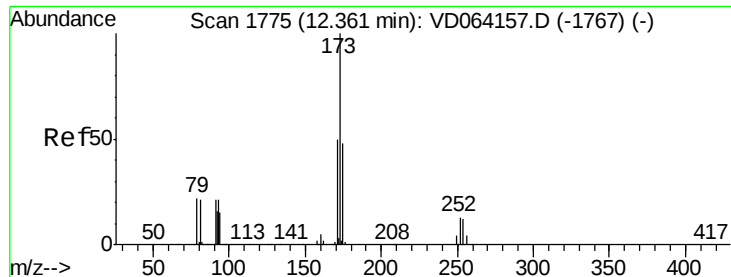
Tot Ion:106 Resp: 579464
Ion Ratio Lower Upper
106 100
91 214.2 105.1 315.3



#70
Styrene
Concen: 49.391 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Tgt Ion:104 Resp: 1019570
Ion Ratio Lower Upper
104 100
78 49.5 39.9 59.9
103 54.3 43.4 65.0





#71

Bromoform

Concen: 47.172 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

Instrument :

MSVOA_D

ClientSampled :

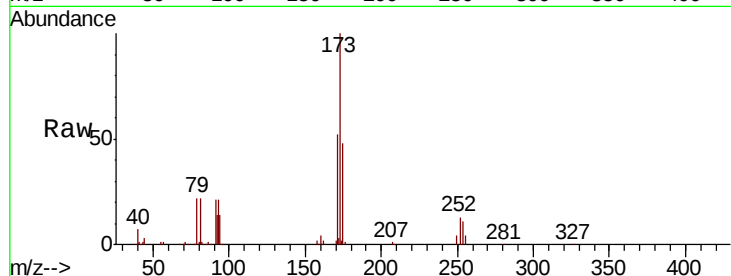
Tot Ion:173 Resp: 187737

Ion Ratio Lower Upper

173 100

175 49.8 24.1 72.3

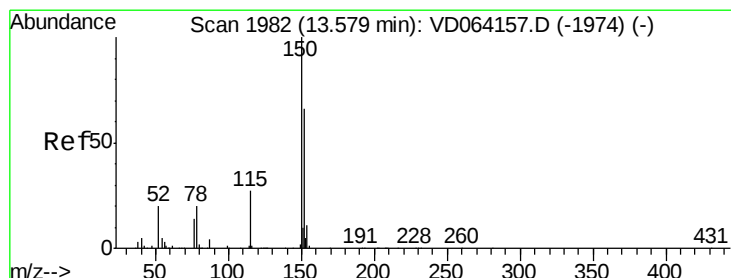
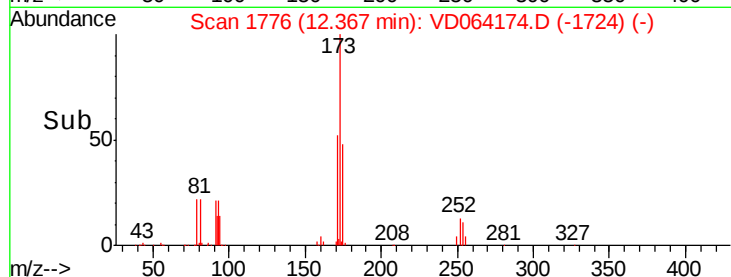
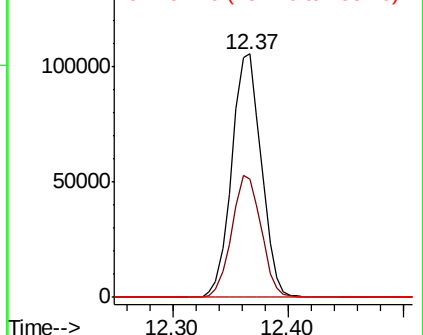
254 0.1 0.2 0.2#



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# 1982

Delta R.T. -0.00 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

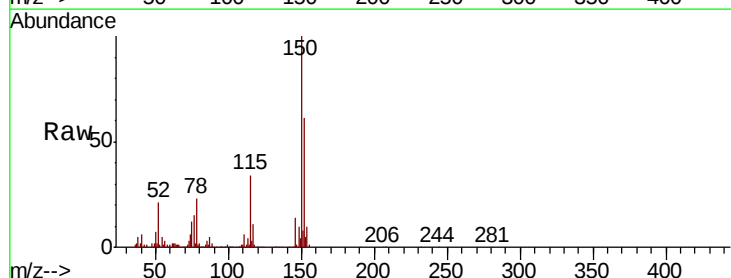
Tgt Ion:152 Resp: 440959

Ion Ratio Lower Upper

152 100

115 55.2 27.4 82.2

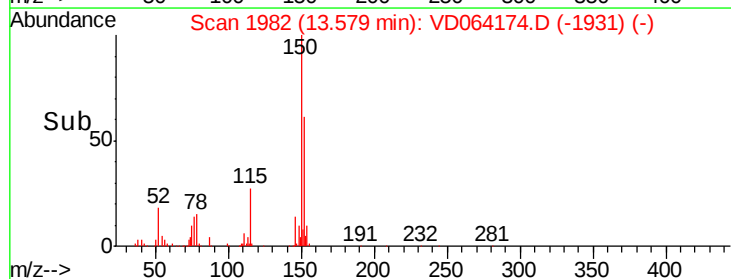
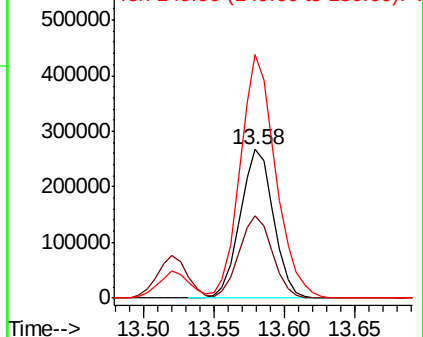
150 173.5 0.0 351.6

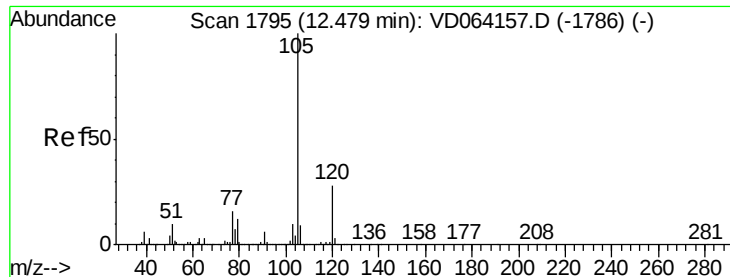


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.019 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

Instrument :

MSVOA_D

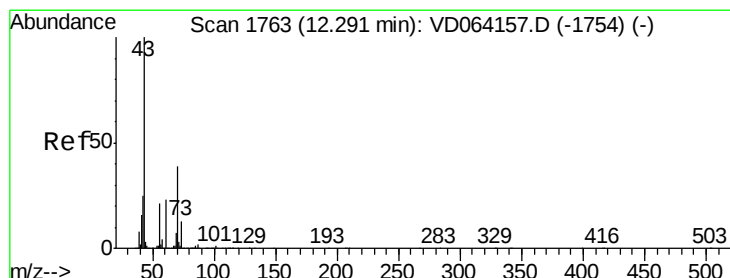
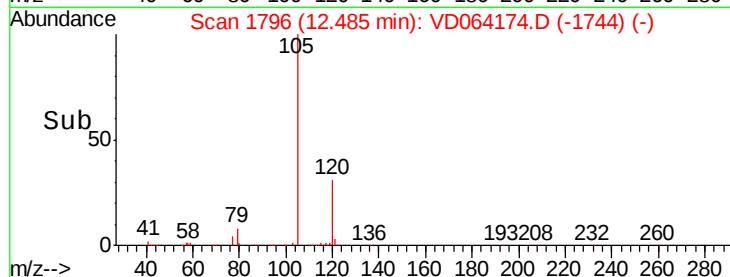
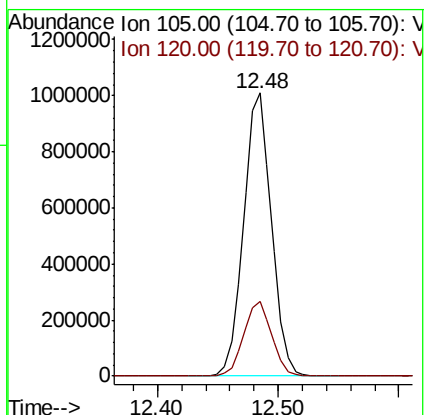
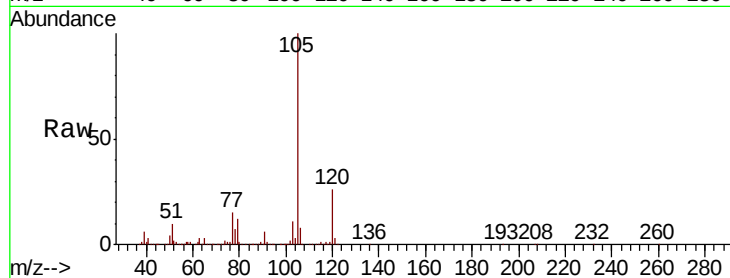
ClientSampleId :

Tot Ion:105 Resp: 1618933

Ion Ratio Lower Upper

105 100

120 26.7 13.6 40.8



#74

N-ethyl acetate

Concen: 46.356 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

Tgt Ion: 43 Resp: 354308

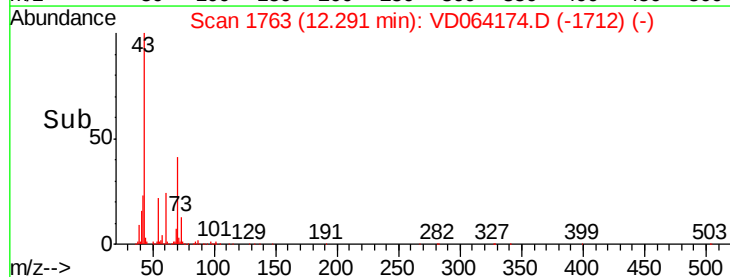
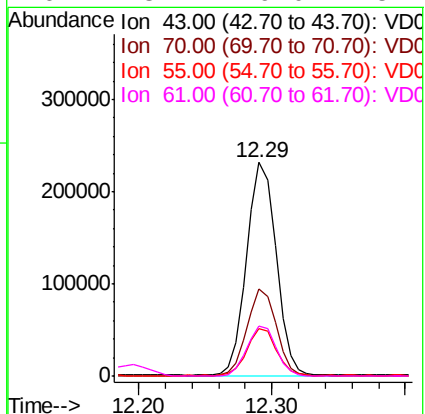
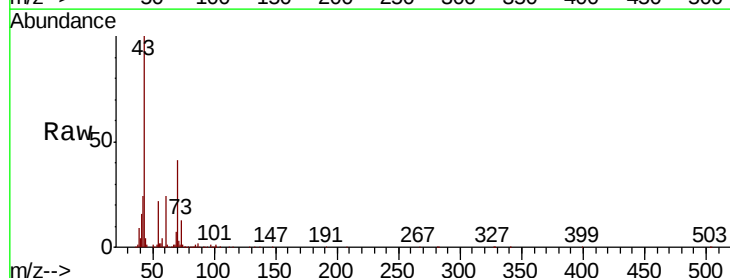
Ion Ratio Lower Upper

43 100

70 40.3 32.4 48.6

55 21.8 17.9 26.9

61 23.1 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 46.331 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

Instrument :

MSVOA_D

ClientSampleId :

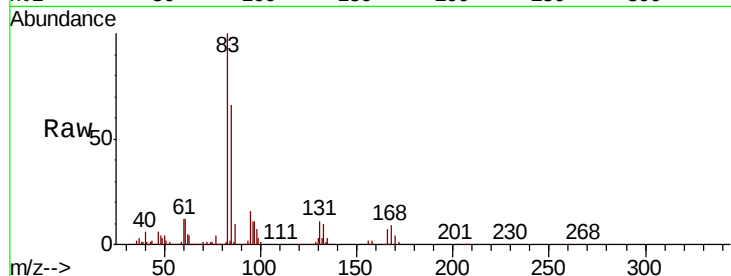
Tot Ion: 83 Resp: 225956

Ion Ratio Lower Upper

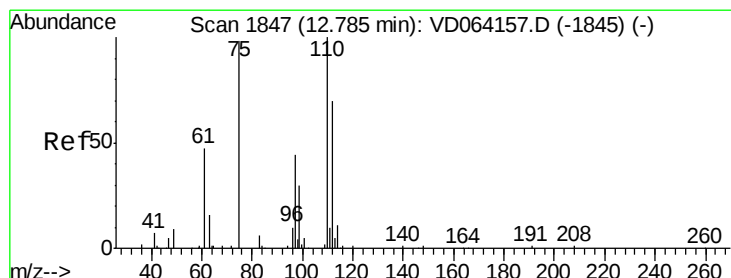
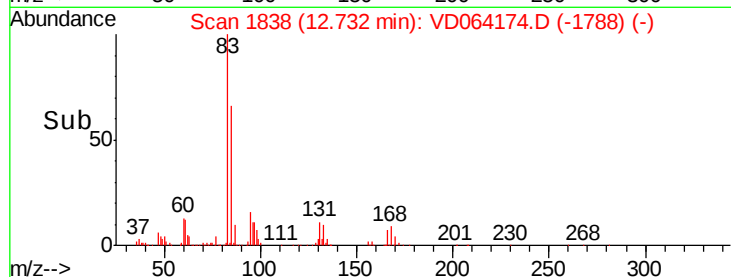
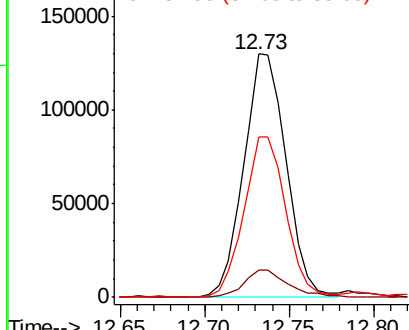
83 100

131 11.8 5.9 17.7

85 64.7 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: 89.330 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD064174.D

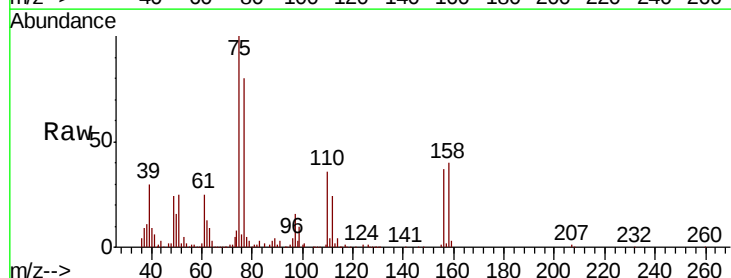
Acq: 11 Nov 2019 13:16

Tgt Ion: 75 Resp: 317281

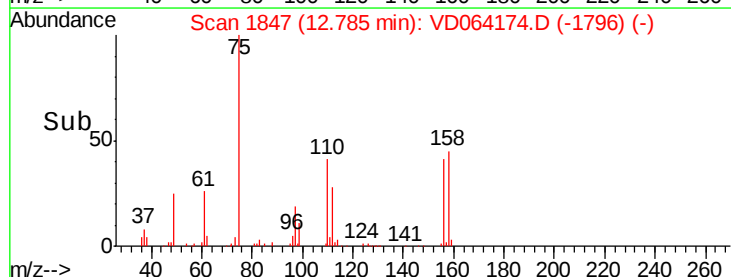
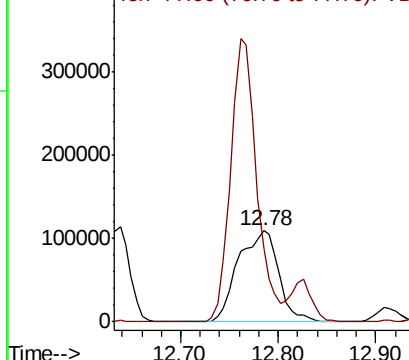
Ion Ratio Lower Upper

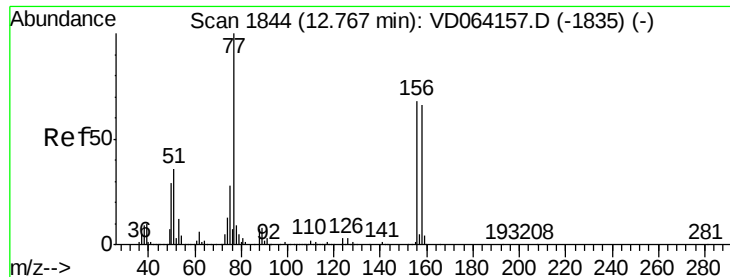
75 100

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: 49.215 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

Instrument :

MSVOA_D

ClientSampled :

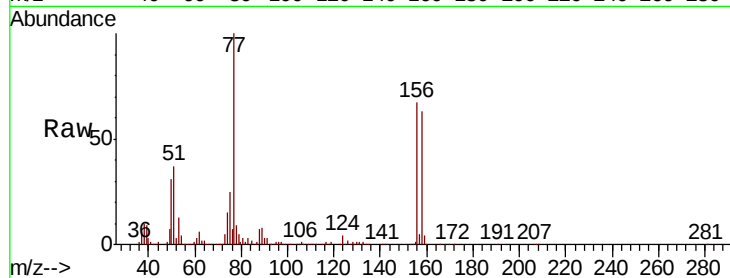
Tot Ion:156 Resp: 386986

Ion Ratio Lower Upper

156 100

77 163.0 81.2 243.4

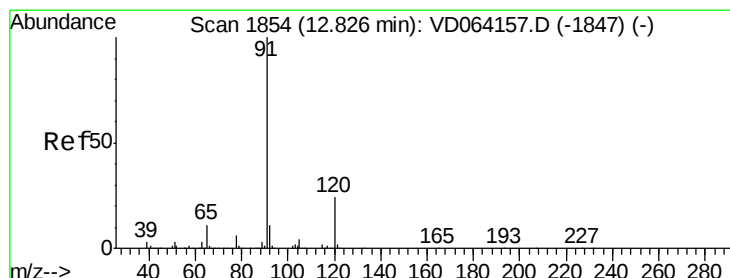
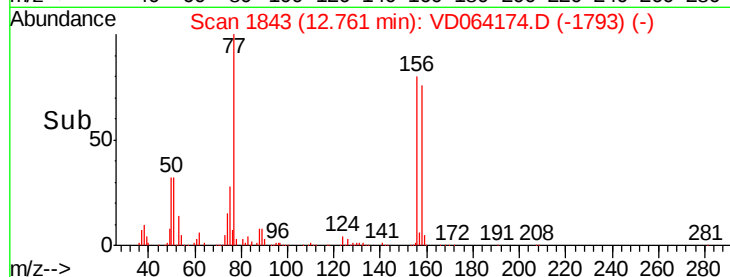
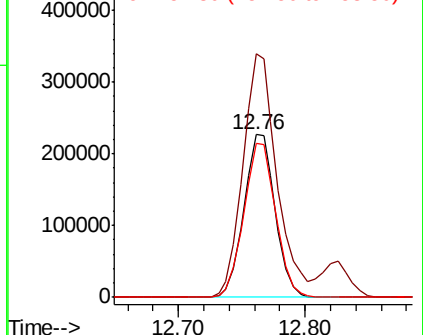
158 96.6 48.4 145.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.392 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064174.D

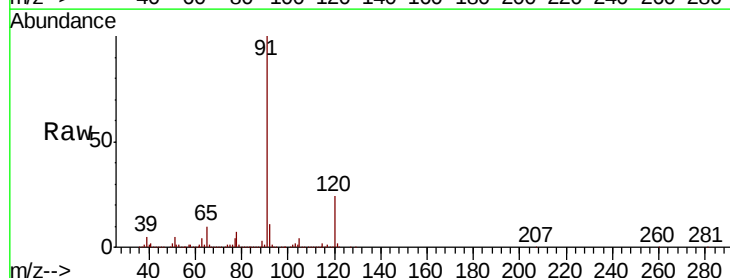
Acq: 11 Nov 2019 13:16

Tgt Ion: 91 Resp: 1863456

Ion Ratio Lower Upper

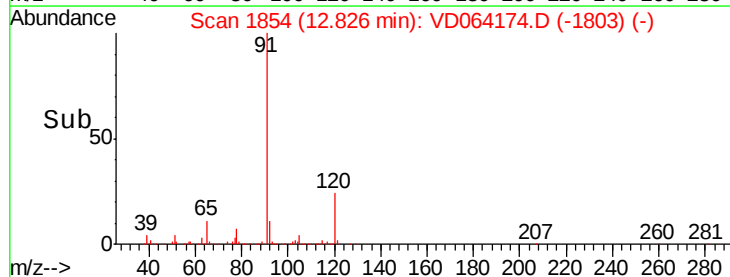
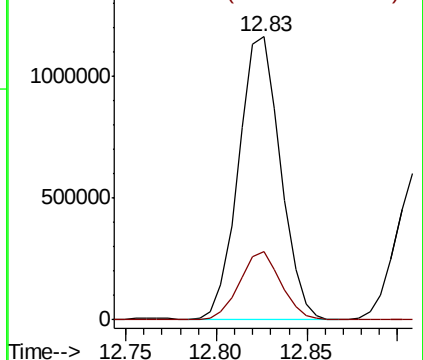
91 100

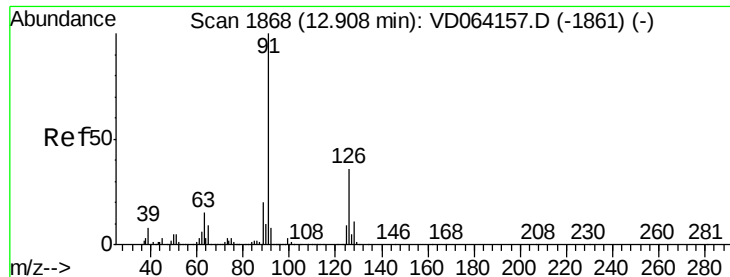
120 23.8 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.759 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VD064174.D

Acq: 11 Nov 2019 13:16

Instrument :

MSVOA_D

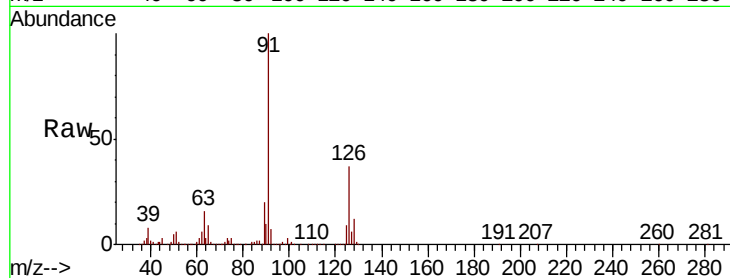
ClientSampleId :

Tot Ion: 91 Resp: 1038847

Ion Ratio Lower Upper

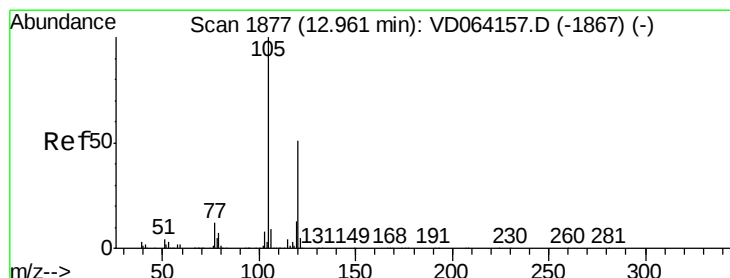
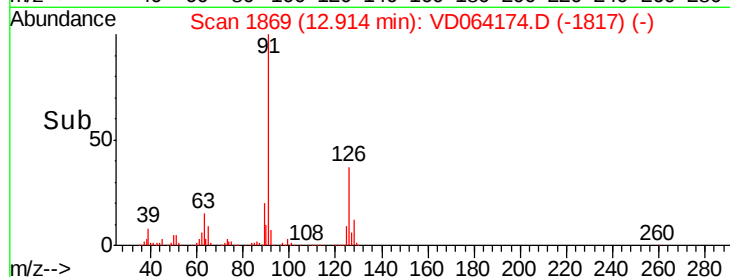
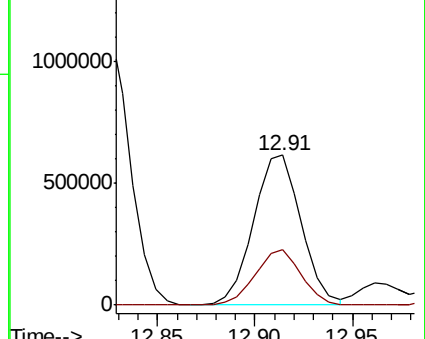
91 100

126 35.5 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 50.251 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD064174.D

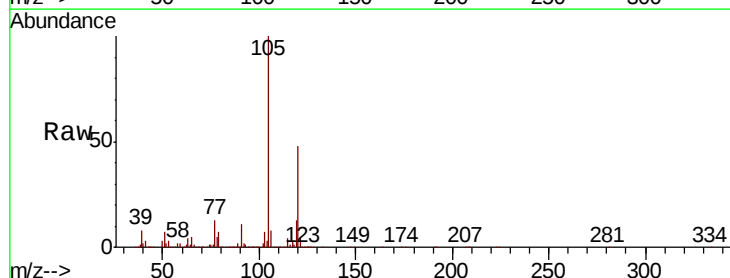
Acq: 11 Nov 2019 13:16

Tgt Ion:105 Resp: 1336457

Ion Ratio Lower Upper

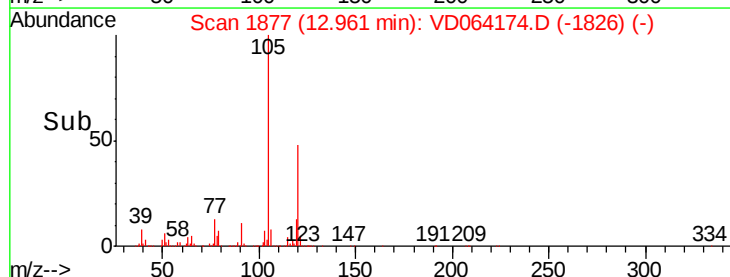
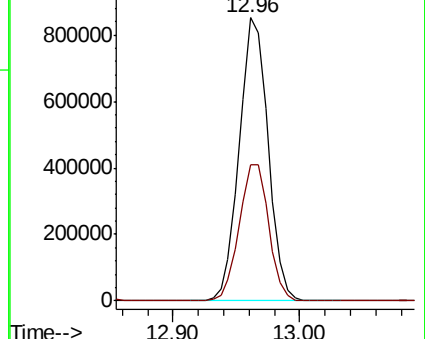
105 100

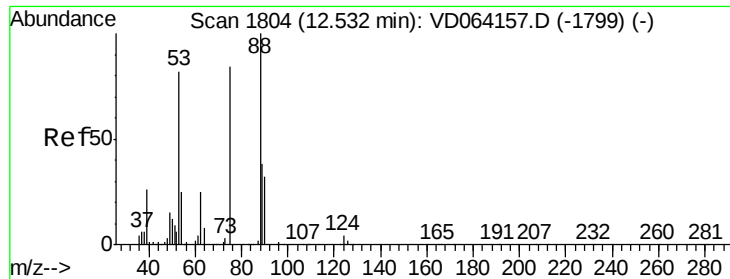
120 49.7 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

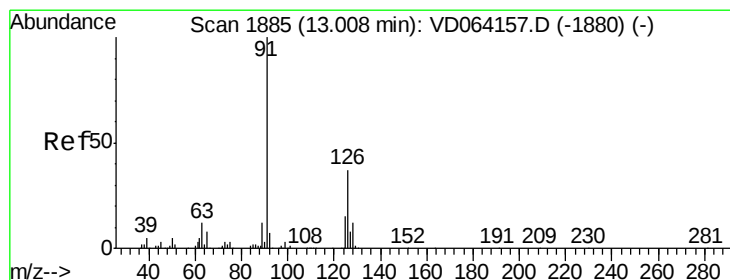
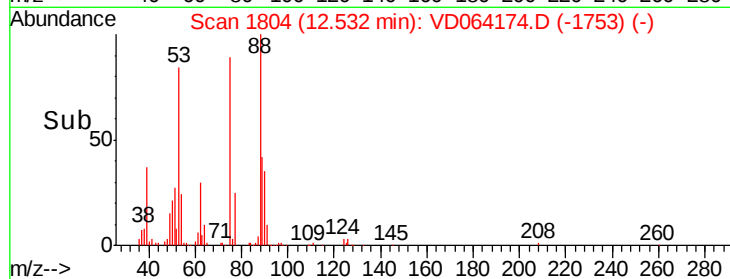
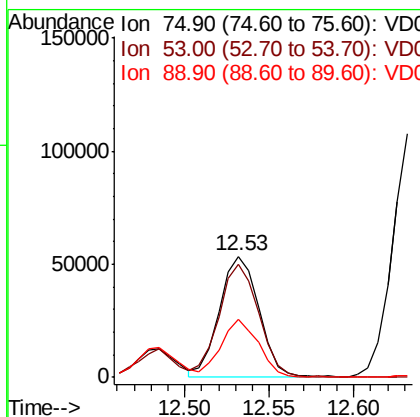
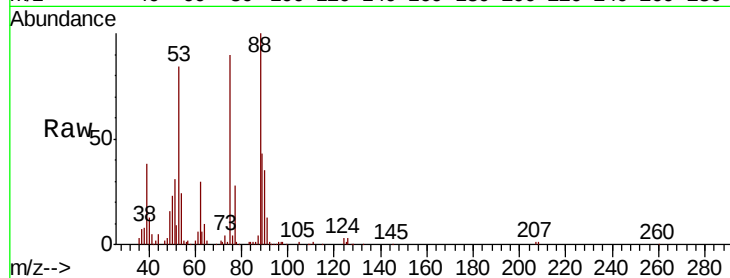




#81
trans-1,4-Dichloro-2-butene
Concen: 47.947 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

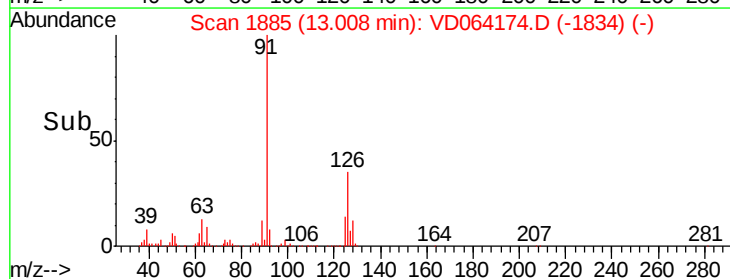
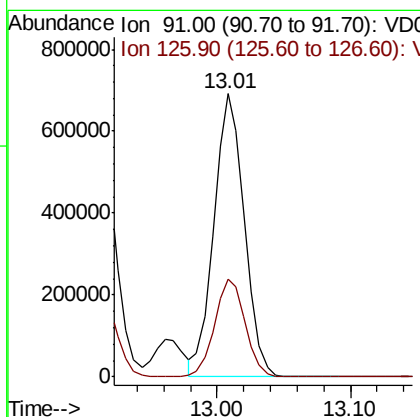
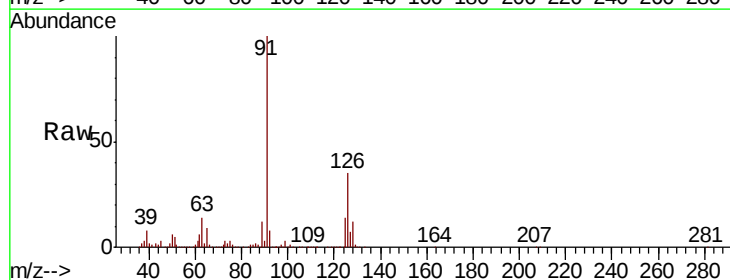
Instrument :
MSVOA_D
ClientSampleId :

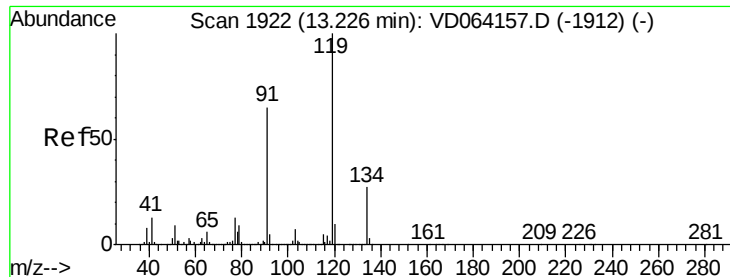
Tot Ion: 75 Resp: 85732
Ion Ratio Lower Upper
75 100
53 96.6 79.4 119.0
89 46.5 36.6 55.0



#82
4-Chlorotoluene
Concen: 50.696 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Tgt Ion: 91 Resp: 1103938
Ion Ratio Lower Upper
91 100
126 34.8 17.8 53.4

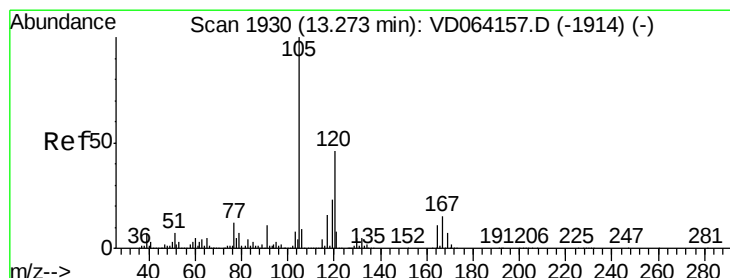
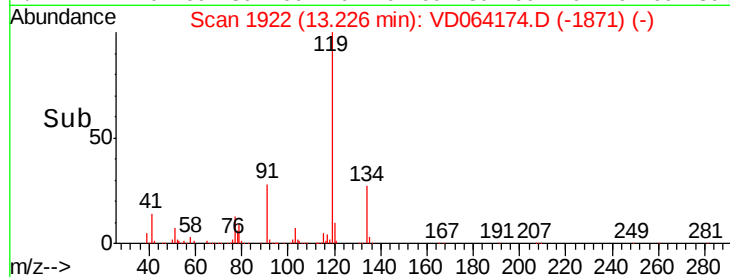
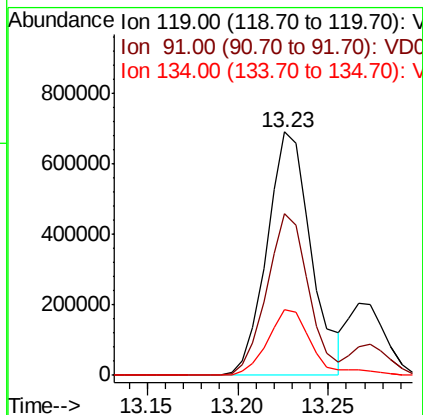
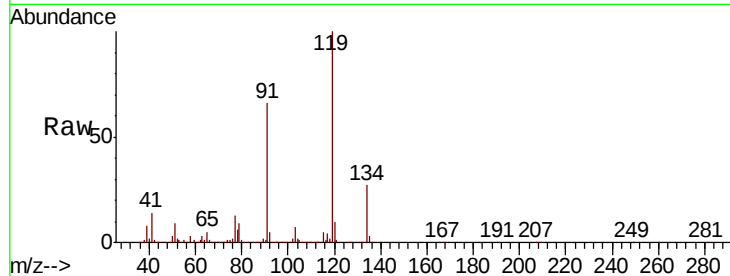




#83
tert-Butylbenzene
Concen: 50.034 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

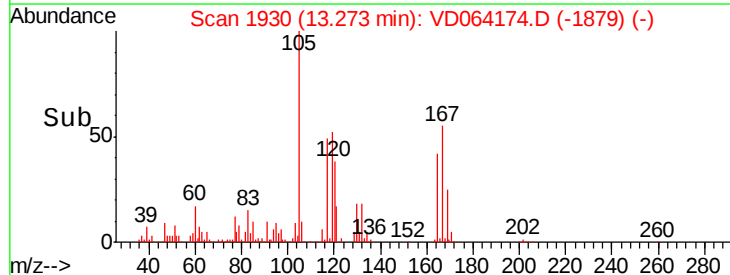
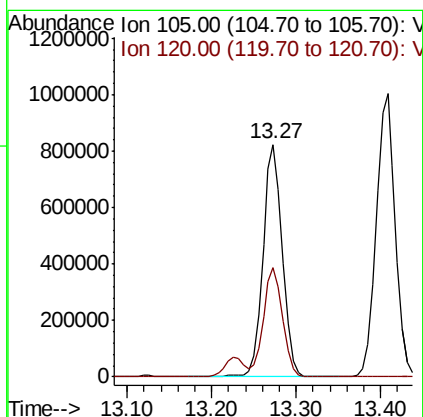
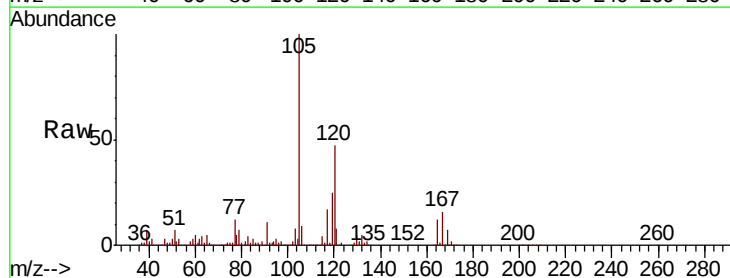
Instrument :
MSVOA_D
ClientSampleId :

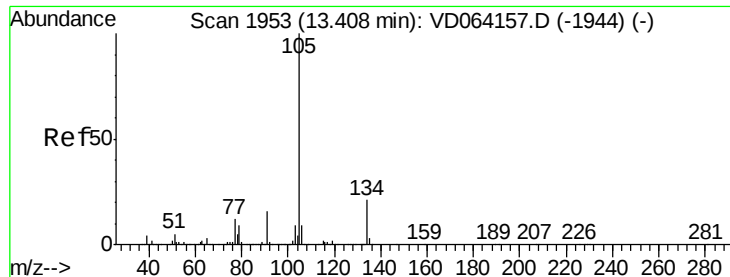
Tot Ion:119 Resp: 1173351
Ion Ratio Lower Upper
119 100
91 62.9 31.8 95.4
134 27.5 13.7 41.0



#84
1,2,4-Trimethylbenzene
Concen: 49.789 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Tgt Ion:105 Resp: 1307282
Ion Ratio Lower Upper
105 100
120 46.8 23.3 69.8

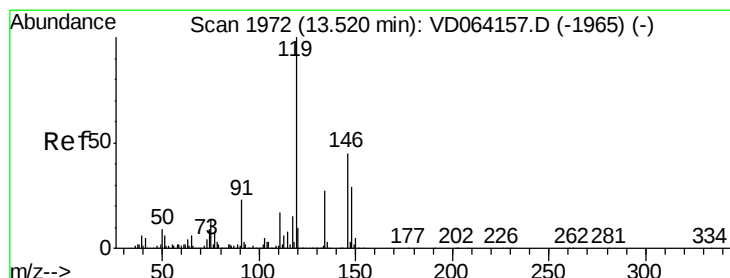
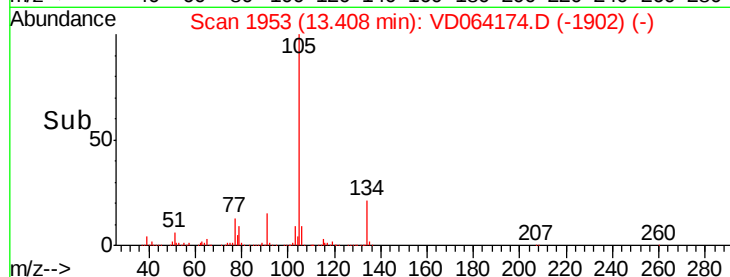
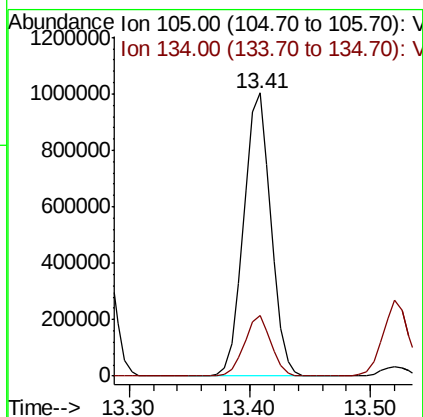
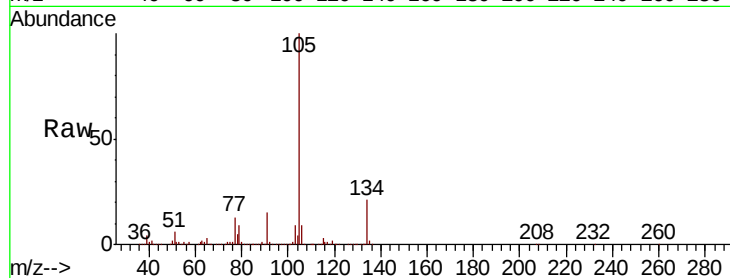




#85
 sec-Butylbenzene
 Concen: 50.062 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD064174.D
 Acq: 11 Nov 2019 13:16

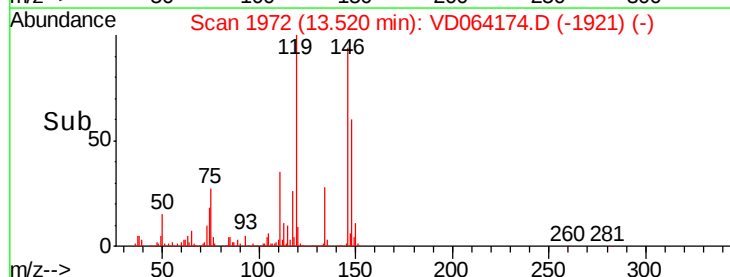
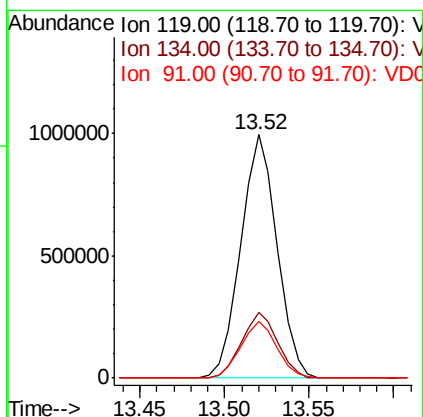
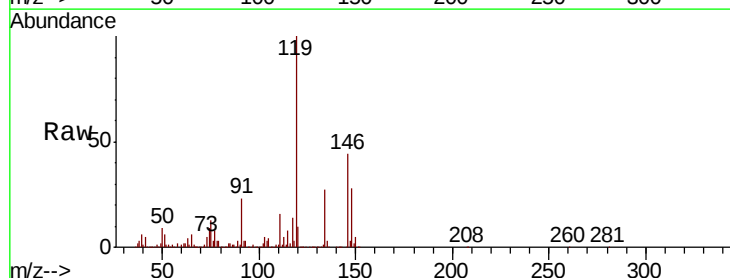
Instrument :
 MSVOA_D
 ClientSampleId :

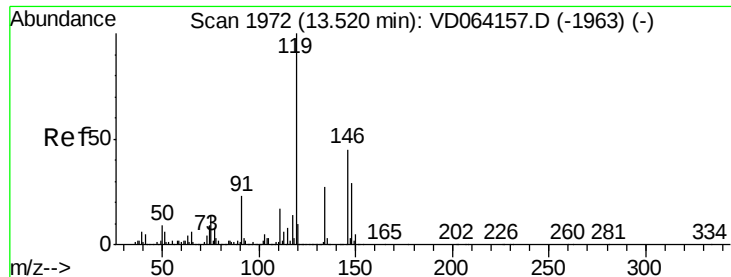
Tot Ion:105 Resp: 1576814
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.7 31.9



#86
 p-Isopropyltoluene
 Concen: 49.613 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD064174.D
 Acq: 11 Nov 2019 13:16

Tgt Ion:119 Resp: 1485613
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.5 40.5
 91 23.2 11.5 34.4

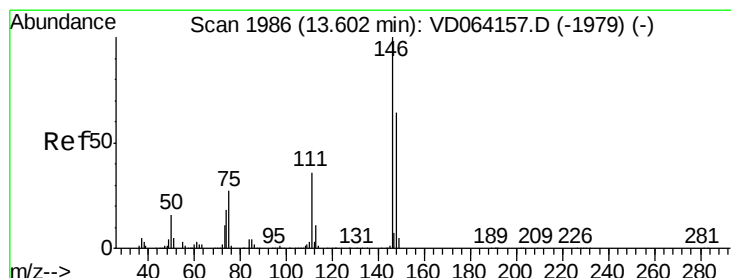
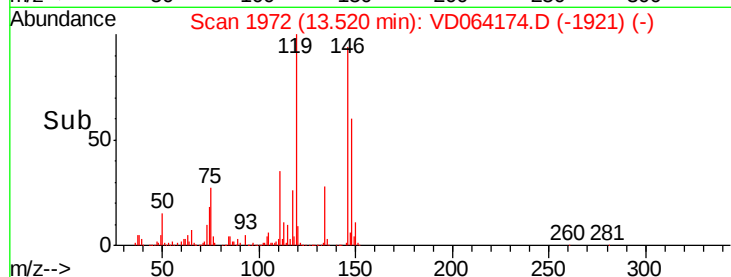
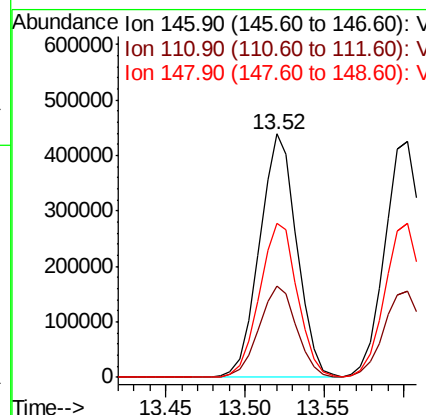
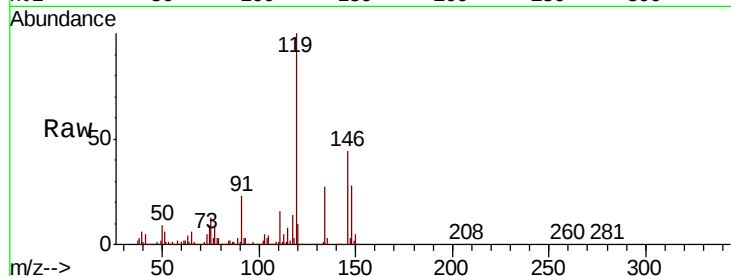




#87
 1,3-Dichlorobenzene
 Concen: 49.051 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD064174.D
 Acq: 11 Nov 2019 13:16

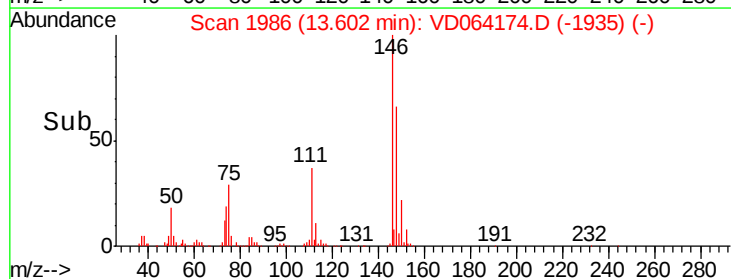
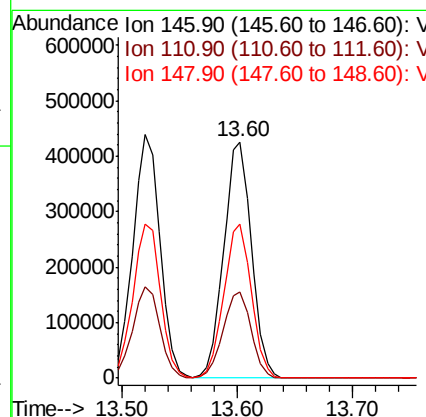
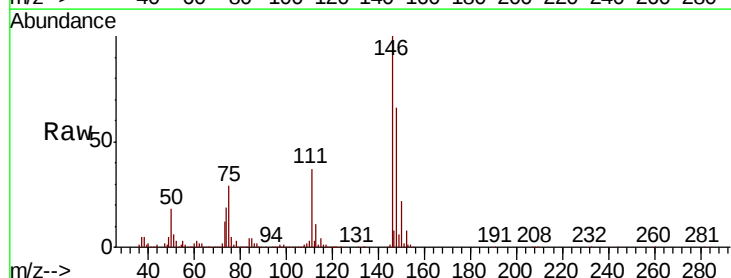
Instrument :
 MSVOA_D
 ClientSampleId :

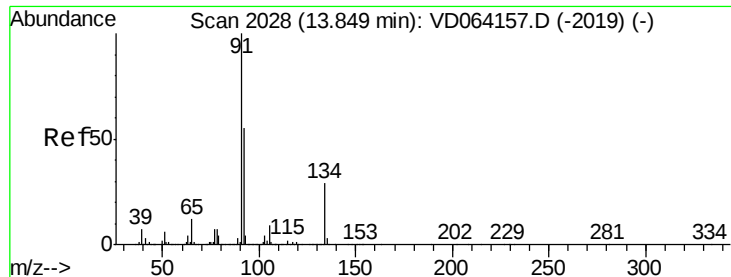
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.9	56.9
148	64.5	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 49.517 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064174.D
 Acq: 11 Nov 2019 13:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.1	54.4
148	64.8	31.9	95.7

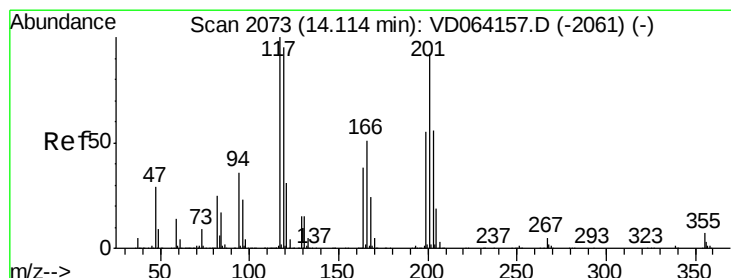
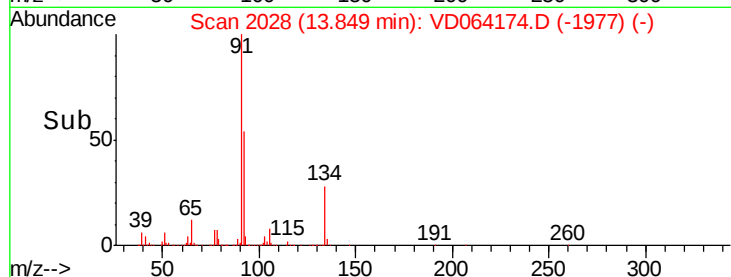
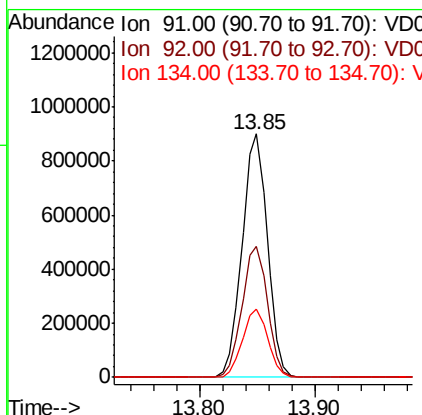
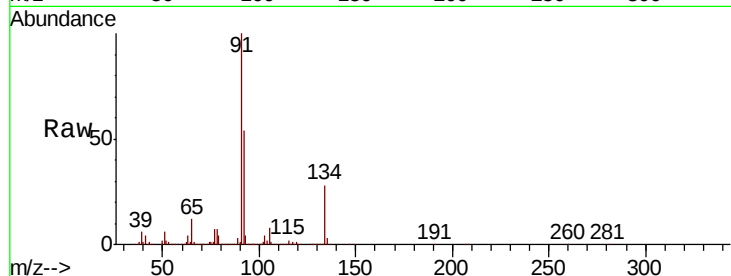




#89
n-Butylbenzene
Concen: 50.559 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

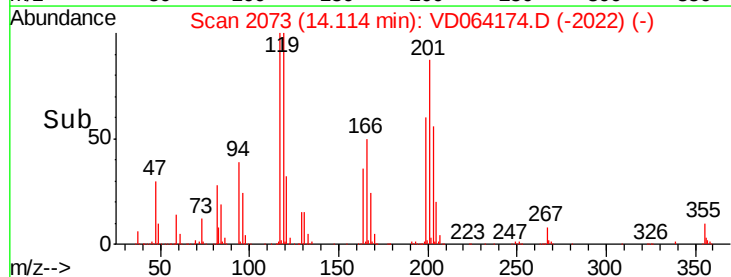
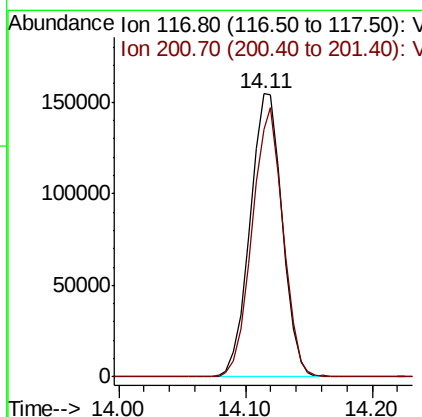
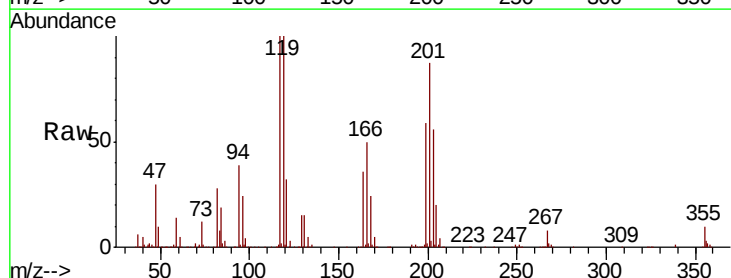
Instrument :
MSVOA_D
ClientSampled :

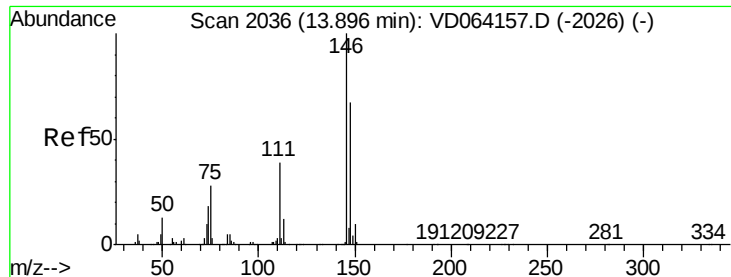
Tot Ion: 91 Resp: 1367772
Ion Ratio Lower Upper
91 100
92 54.1 27.3 81.8
134 27.9 14.1 42.4



#90
Hexachloroethane
Concen: 49.481 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Tgt Ion: 117 Resp: 273826
Ion Ratio Lower Upper
117 100
201 91.1 45.8 137.4

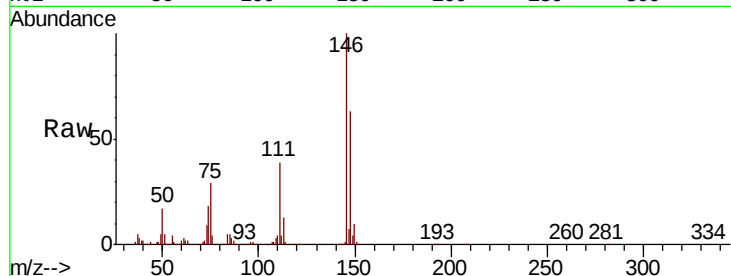




#91
 1,2-Dichlorobenzene
 Concen: 48.658 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD064174.D
 Acq: 11 Nov 2019 13:16

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.7	59.0
148	64.5	32.3	96.8

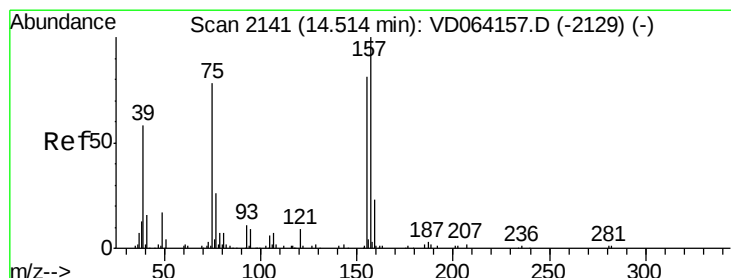
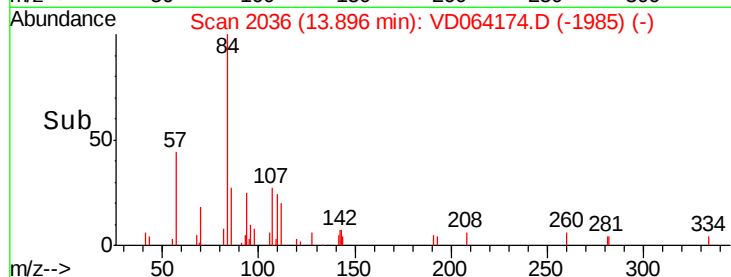
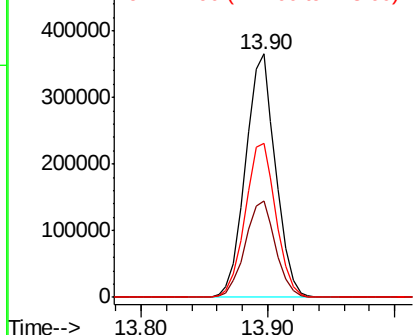


Abundance

Ion 145.90 (145.60 to 146.60): V

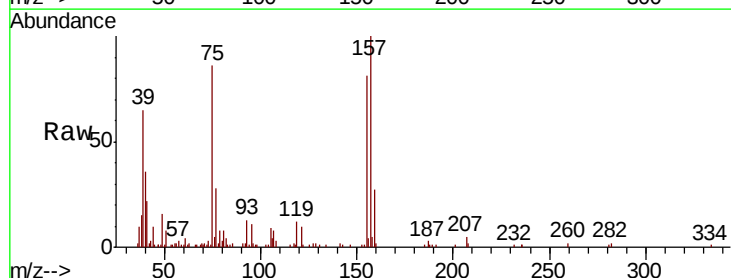
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.140 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD064174.D
 Acq: 11 Nov 2019 13:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.3	48.0	144.0
157	115.1	61.5	184.4

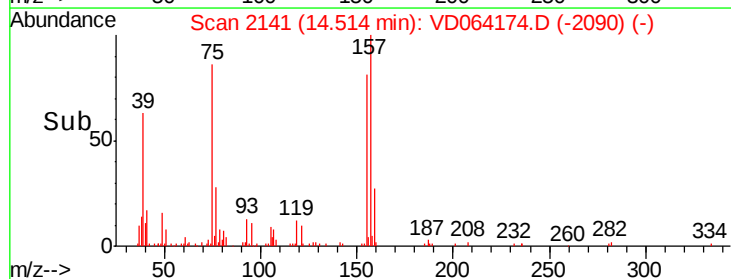
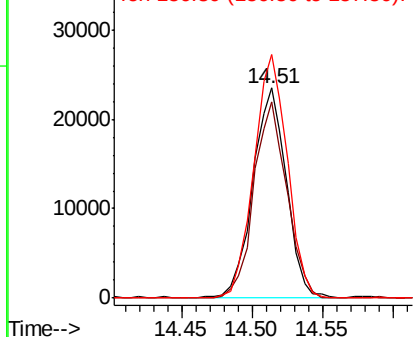


Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

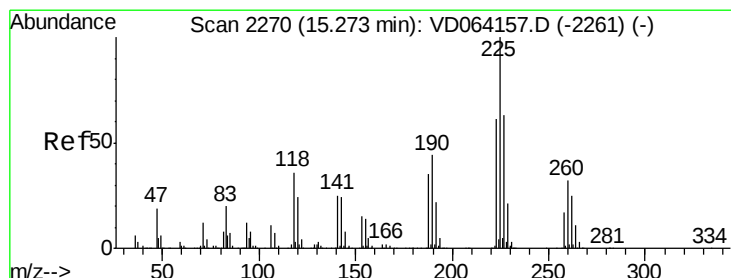
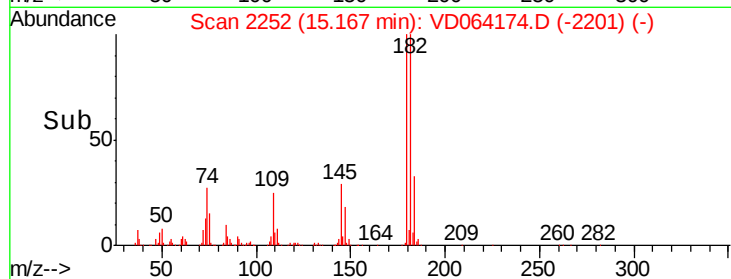
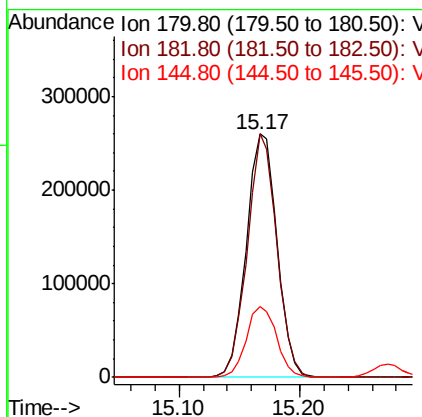
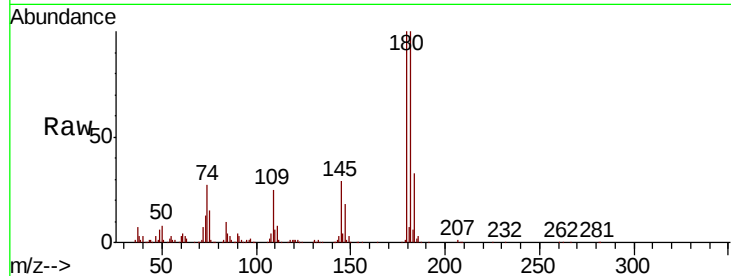




#93
 1,2,4-Trichlorobenzene
 Concen: 48.559 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD064174.D
 Acq: 11 Nov 2019 13:16

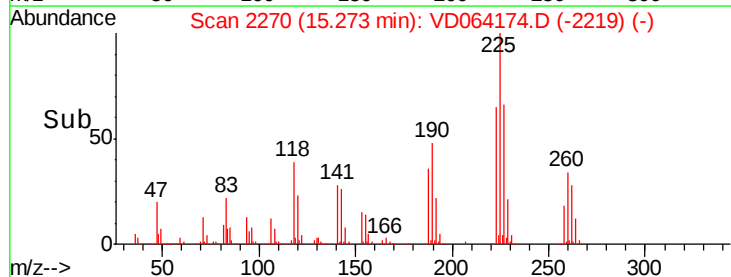
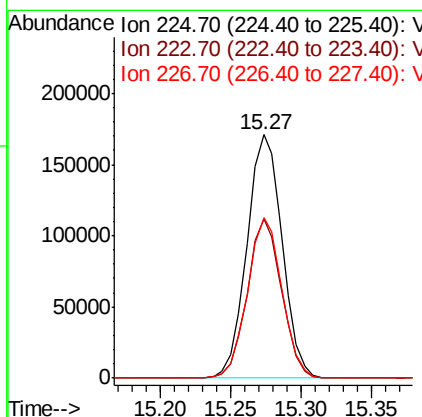
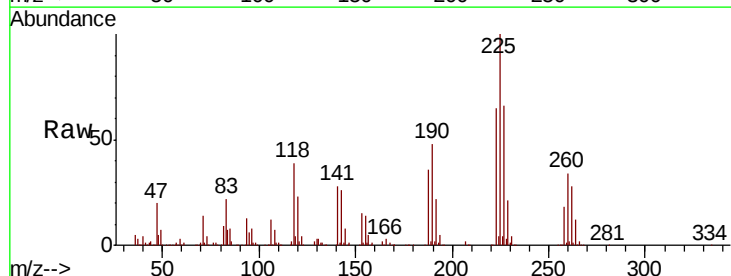
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.5	142.5
145	29.0	14.2	42.6



#94
 Hexachlorobutadiene
 Concen: 48.668 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD064174.D
 Acq: 11 Nov 2019 13:16

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.1	93.3
227	64.5	31.5	94.5

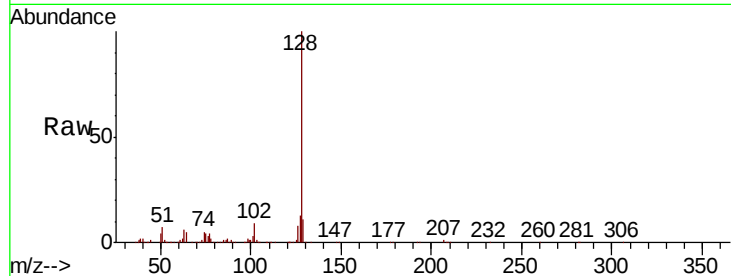




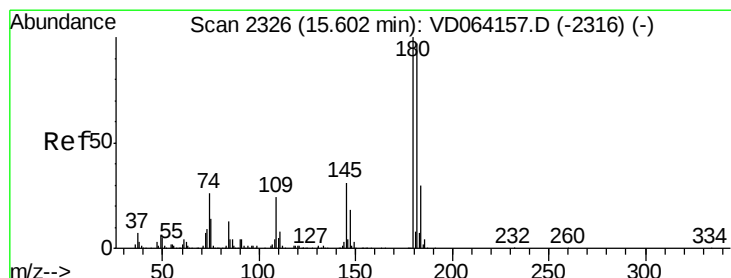
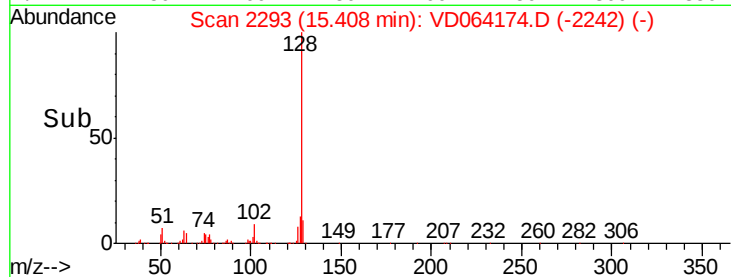
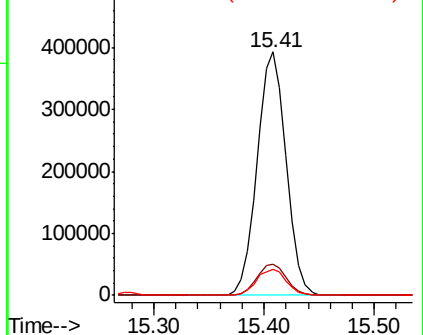
#95
Naphthalene
Concen: 46.236 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	11.0	8.6	13.0

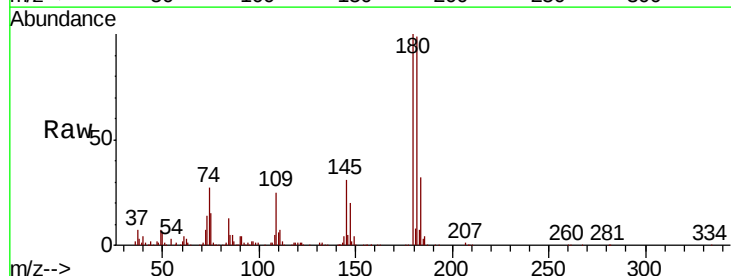


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 48.405 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD064174.D
Acq: 11 Nov 2019 13:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.3	144.9
145	29.5	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

