

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD103119\
 Data File : VD064126.D
 Acq On : 31 Oct 2019 11:52
 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 01 06:02:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 08:00:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	252962	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	361142	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	362757	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	205471	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	99577	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	
35) Dibromofluoromethane	7.91	113	110383	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	
50) Toluene-d8	10.34	98	448890	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
62) 4-Bromofluorobenzene	12.64	95	148973	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	124102	48.045	ug/l	95
3) Chloromethane	2.21	50	195780	45.427	ug/l	99
4) Vinyl Chloride	2.35	62	220533	47.187	ug/l	100
5) Bromomethane	2.77	94	142368	46.742	ug/l	100
6) Chloroethane	2.92	64	133267	45.909	ug/l	96
7) Trichlorofluoromethane	3.27	101	306890	47.700	ug/l	96
8) Diethyl Ether	3.71	74	51472	46.026	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	113209	48.827	ug/l	99
10) Methyl Iodide	4.29	142	136391	47.481	ug/l	98
11) Tert butyl alcohol	5.24	59	13732	121.875	ug/l #	71
12) 1,1-Dichloroethene	4.06	96	104378	47.567	ug/l	85
13) Acrolein	3.92	56	28024	218.464	ug/l	97
14) Allyl chloride	4.71	41	124281	48.390	ug/l	97
15) Acrylonitrile	5.43	53	96046	232.507	ug/l	98
16) Acetone	4.17	43	105224	274.889	ug/l	97
17) Carbon Disulfide	4.40	76	323280	47.941	ug/l	98
18) Methyl Acetate	4.72	43	46281	45.453	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	206276	46.326	ug/l	99
20) Methylene Chloride	4.96	84	120309	49.130	ug/l	89
21) trans-1,2-Dichloroethene	5.47	96	119089	48.346	ug/l #	91
22) Diisopropyl ether	6.37	45	270282	47.518	ug/l	97
23) Vinyl Acetate	6.31	43	770216	247.035	ug/l #	93
24) 1,1-Dichloroethane	6.27	63	179161	46.645	ug/l	99
25) 2-Butanone	7.23	43	123532	233.436	ug/l	98
26) 2,2-Dichloropropane	7.21	77	172048	47.194	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	129387	46.942	ug/l	99
28) Bromochloromethane	7.54	49	71283	47.719	ug/l	96
29) Tetrahydrofuran	7.57	42	71689	232.120	ug/l	95
30) Chloroform	7.71	83	204018	46.419	ug/l	94
31) Cyclohexane	7.98	56	165776	44.301	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	198592	48.540	ug/l	97
36) 1,1-Dichloropropene	8.11	75	165265	48.837	ug/l	99
37) Ethyl Acetate	7.30	43	52144	50.062	ug/l #	94
38) Carbon Tetrachloride	8.10	117	183663	49.744	ug/l	93

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 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 08:00:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.36	83	206255	49.651	ug/l	95
40) Benzene	8.35	78	444572	48.176	ug/l	100
41) Methacrylonitrile	7.53	41	30715	51.098	ug/l	88
42) 1,2-Dichloroethane	8.43	62	117765	48.312	ug/l	99
43) Isopropyl Acetate	8.46	43	103218	49.034	ug/l	99
44) Trichloroethene	9.11	130	140853	50.360	ug/l	97
45) 1,2-Dichloropropane	9.39	63	103540	48.415	ug/l	92
46) Dibromomethane	9.48	93	62515	48.536	ug/l	97
47) Bromodichloromethane	9.67	83	162553	50.026	ug/l	96
48) Methyl methacrylate	9.46	41	51259	52.657	ug/l	93
49) 1,4-Dioxane	9.47	88	14987	1016.519	ug/l #	87
51) 4-Methyl-2-Pentanone	10.23	43	282673	246.666	ug/l	99
52) Toluene	10.41	92	322790	49.913	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	152826	50.385	ug/l	88
54) cis-1,3-Dichloropropene	10.09	75	176869	49.563	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	84796	46.435	ug/l	95
56) Ethyl methacrylate	10.67	69	101615	46.036	ug/l	98
57) 1,3-Dichloropropane	10.95	76	148014	49.009	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	216754	270.929	ug/l	98
59) 2-Hexanone	10.99	43	205331	229.345	ug/l	99
60) Dibromochloromethane	11.14	129	124841	50.368	ug/l	99
61) 1,2-Dibromoethane	11.25	107	90704	49.662	ug/l	96
64) Tetrachloroethene	10.88	164	126139	48.402	ug/l	97
65) Chlorobenzene	11.67	112	363172	48.453	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	132462	47.230	ug/l	97
67) Ethyl Benzene	11.75	91	654641	49.104	ug/l	95
68) m/p-Xylenes	11.86	106	535998	99.955	ug/l	98
69) o-Xylene	12.18	106	247669	50.608	ug/l	100
70) Styrene	12.20	104	424764	50.325	ug/l	99
71) Bromoform	12.37	173	73118	48.815	ug/l #	98
73) Isopropylbenzene	12.48	105	687495	48.150	ug/l	100
74) N-amyl acetate	12.30	43	113304	47.767	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	99938	44.406	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	129574	93.850	ug/l #	100
77) Bromobenzene	12.77	156	161471	46.839	ug/l	99
78) n-propylbenzene	12.83	91	819104	48.953	ug/l	99
79) 2-Chlorotoluene	12.91	91	425402	47.428	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	579340	48.481	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	34179	50.558	ug/l	100
82) 4-Chlorotoluene	13.01	91	461980	48.203	ug/l	100
83) tert-Butylbenzene	13.23	119	522712	48.701	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	598085	49.823	ug/l	99
85) sec-Butylbenzene	13.41	105	736631	49.977	ug/l	100
86) p-Isopropyltoluene	13.52	119	698529	50.440	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	337800	48.897	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	332202	48.780	ug/l	98
89) n-Butylbenzene	13.85	91	641633	50.232	ug/l	98
90) Hexachloroethane	14.11	117	121744	46.954	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	286740	48.228	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	14840	45.150	ug/l	94

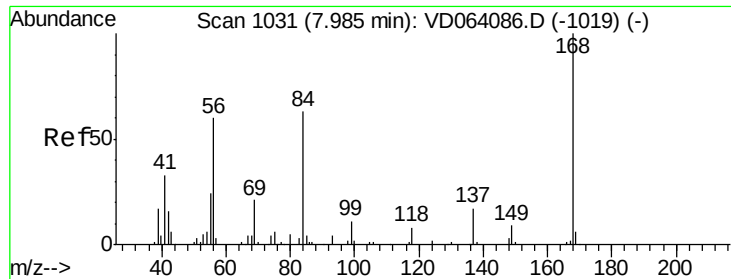
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Quant Title : SW846 8260
QLast Update : Wed Oct 30 08:00:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	208484	48.783	ug/l	99
94) Hexachlorobutadiene	15.27	225	125482	50.237	ug/l	100
95) Naphthalene	15.41	128	337673	48.447	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	176514	47.683	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

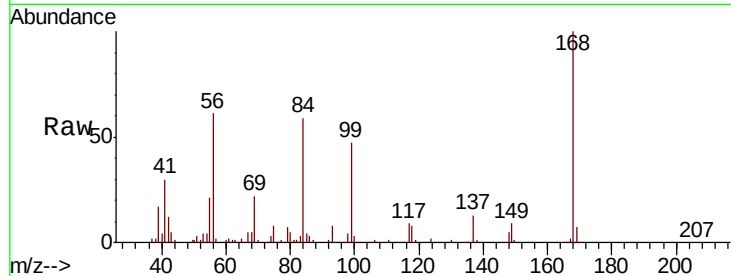
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 252962

Ion Ratio Lower Upper

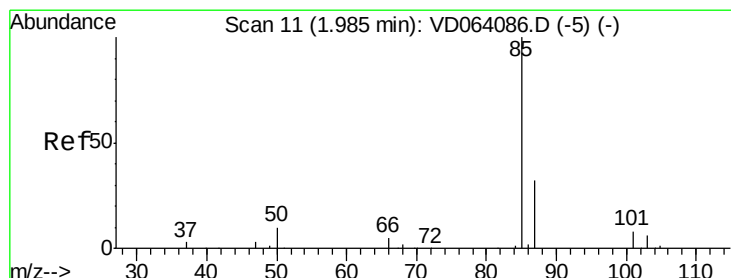
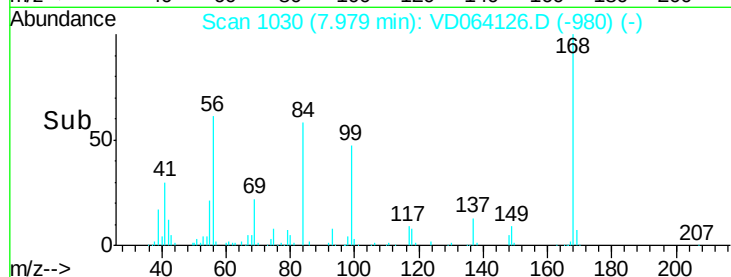
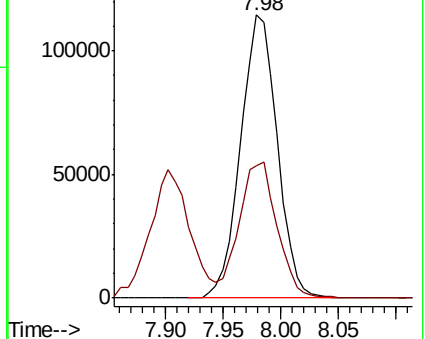
168 100

99 46.6 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 48.045 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD064126.D

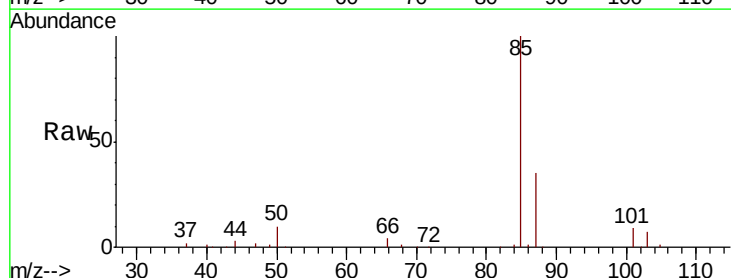
Acq: 31 Oct 2019 11:52

Tgt Ion: 85 Resp: 124102

Ion Ratio Lower Upper

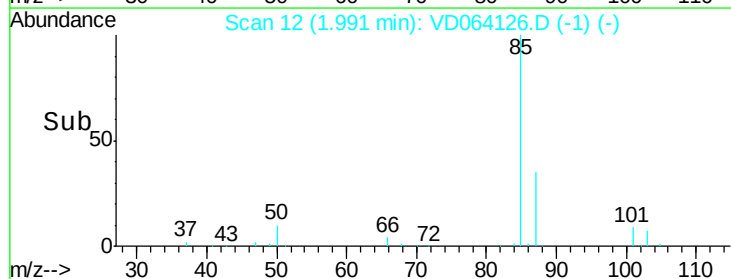
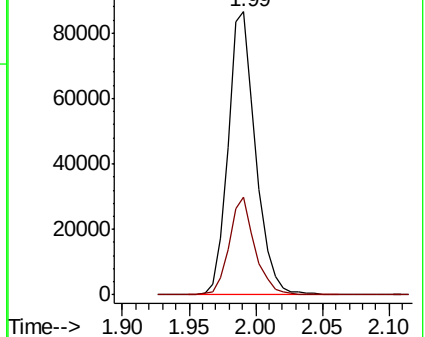
85 100

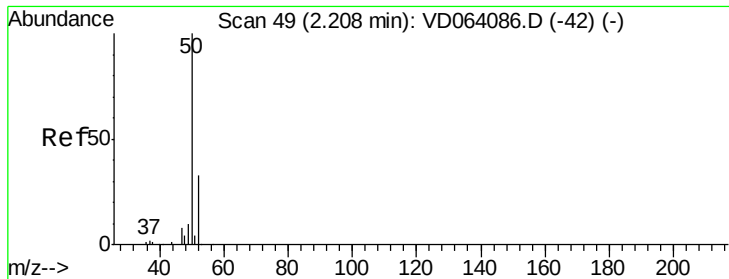
87 34.6 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 45.427 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

Instrument :

MSVOA_D

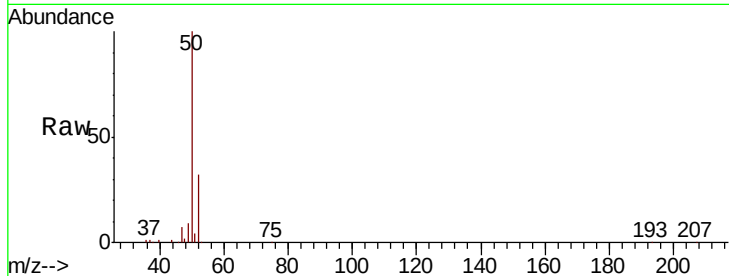
ClientSampleId :

Tot Ion: 50 Resp: 195780

Ion Ratio Lower Upper

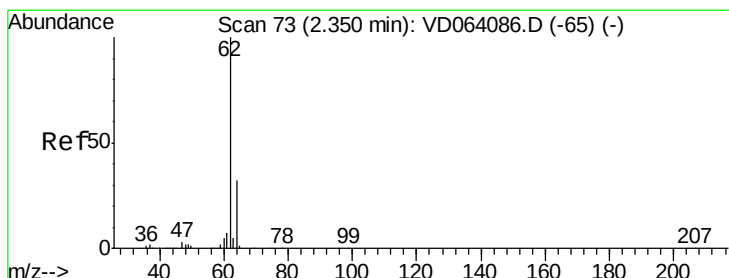
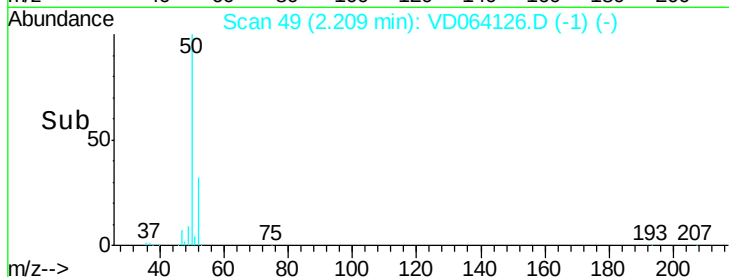
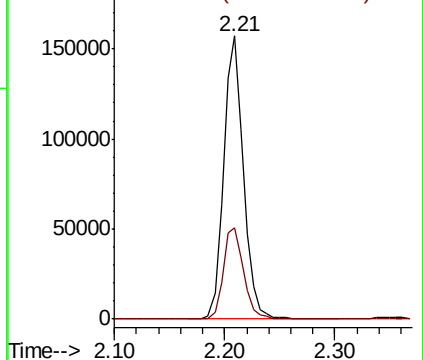
50 100

52 32.5 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 47.187 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064126.D

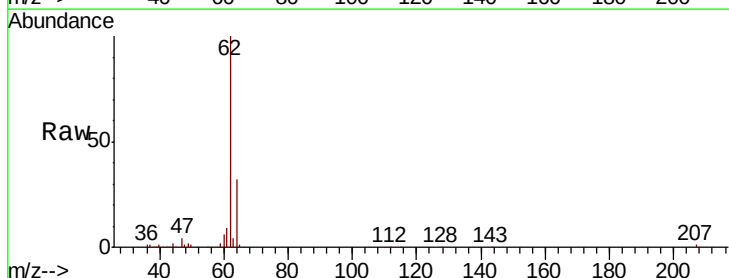
Acq: 31 Oct 2019 11:52

Tgt Ion: 62 Resp: 220533

Ion Ratio Lower Upper

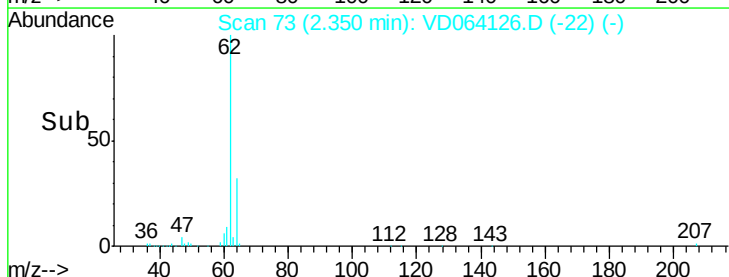
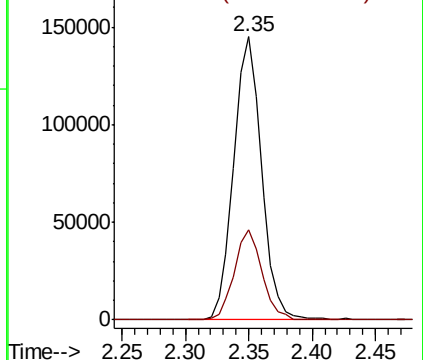
62 100

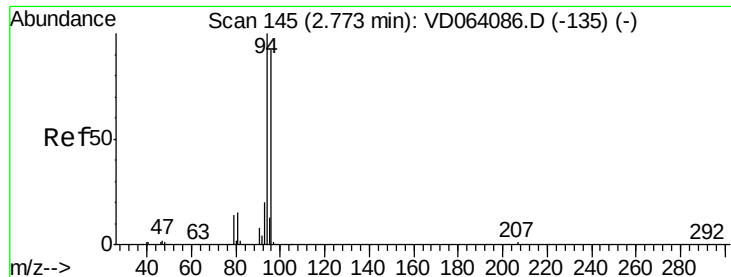
64 31.7 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 46.742 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

Instrument :

MSVOA_D

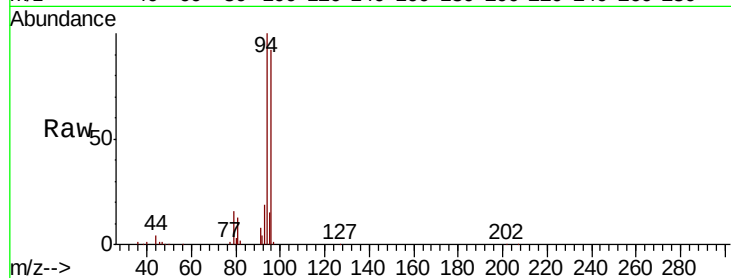
ClientSampleId :

Tot Ion: 94 Resp: 142368

Ion Ratio Lower Upper

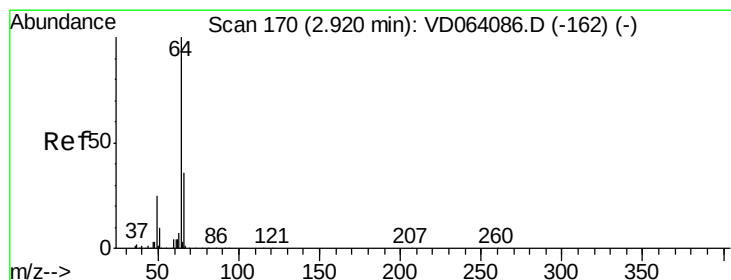
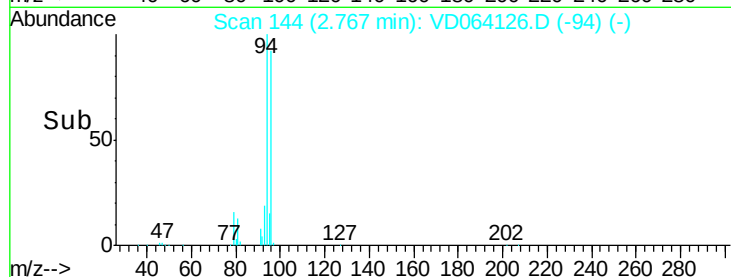
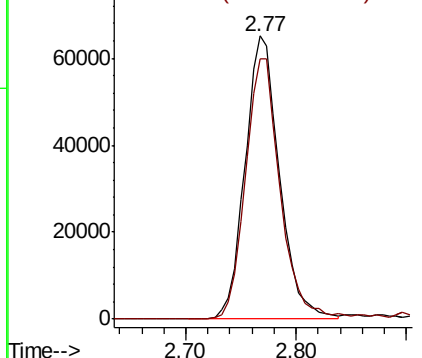
94 100

96 92.1 73.9 110.9



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 45.909 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064126.D

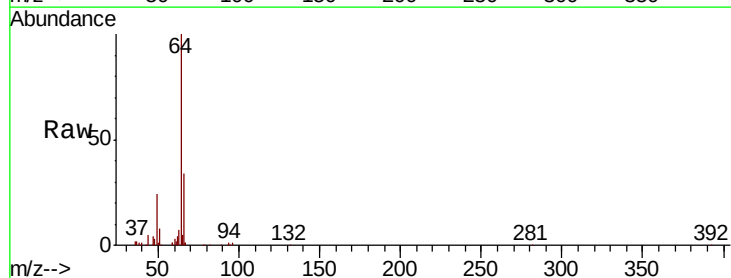
Acq: 31 Oct 2019 11:52

Tgt Ion: 64 Resp: 133267

Ion Ratio Lower Upper

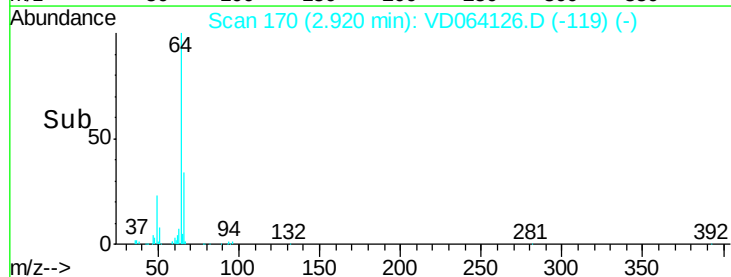
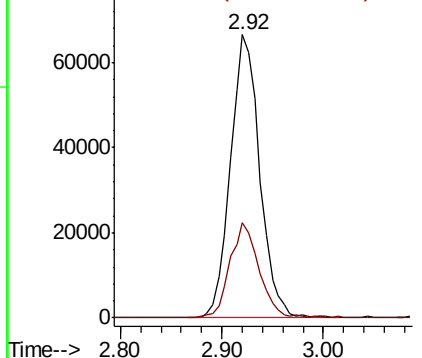
64 100

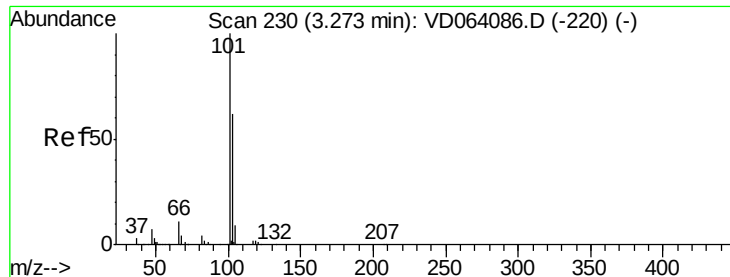
66 33.6 28.7 43.1



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



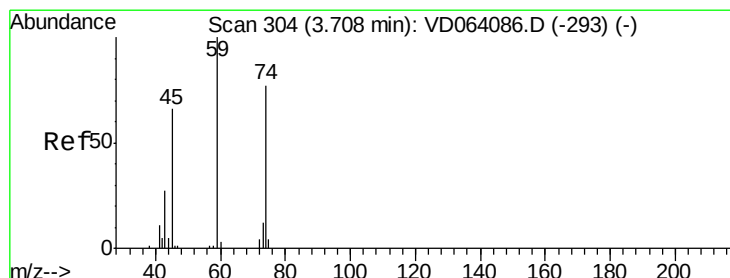
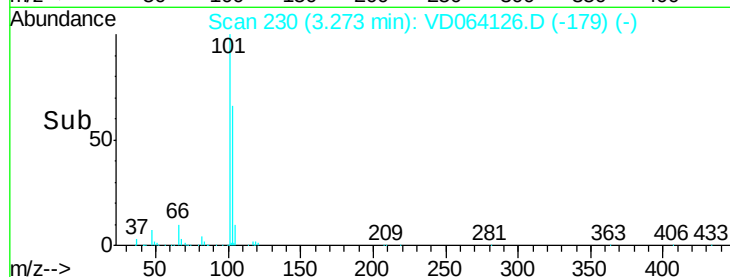
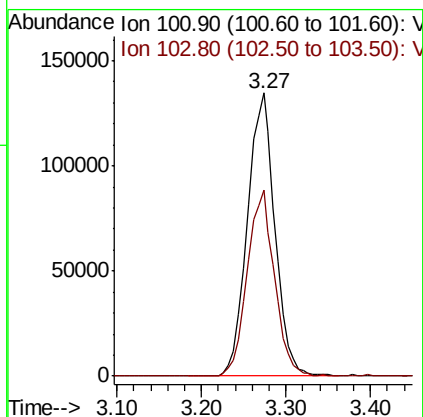
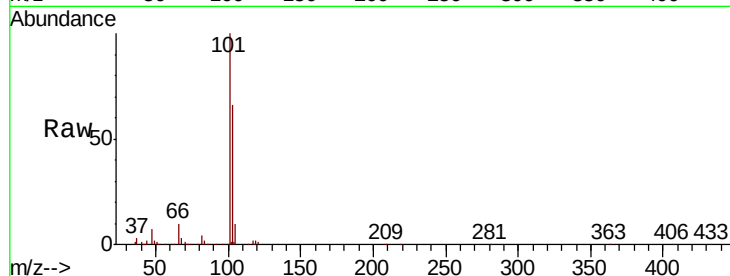


#7

Trichlorofluoromethane
Concen: 47.700 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

Instrument :
MSVOA_D
ClientSampleId :

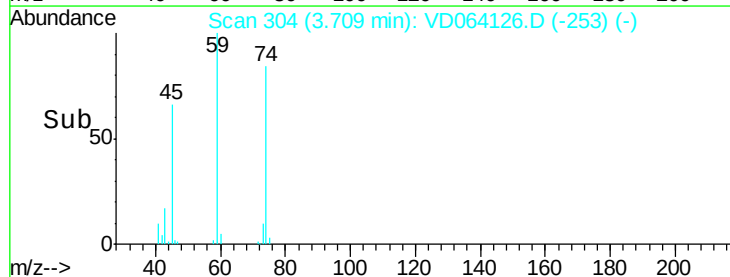
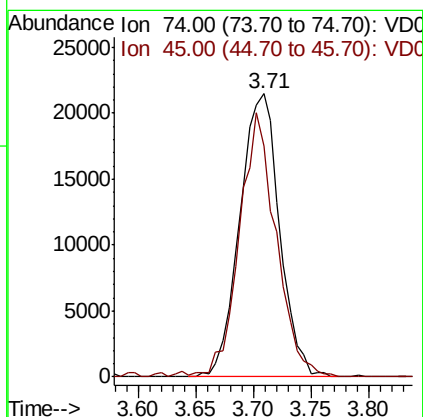
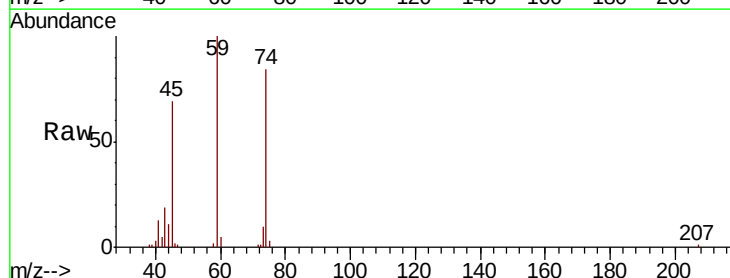
Tot Ion:101 Resp: 306890
Ion Ratio Lower Upper
101 100
103 65.4 49.6 74.4

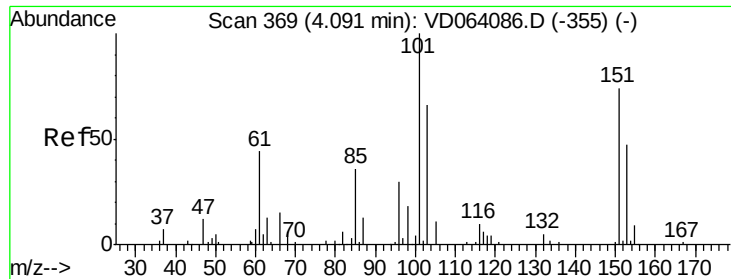


#8

Diethyl Ether
Concen: 46.026 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

Tgt Ion: 74 Resp: 51472
Ion Ratio Lower Upper
74 100
45 85.9 44.1 132.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.827 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

Instrument :

MSVOA_D

ClientSampled :

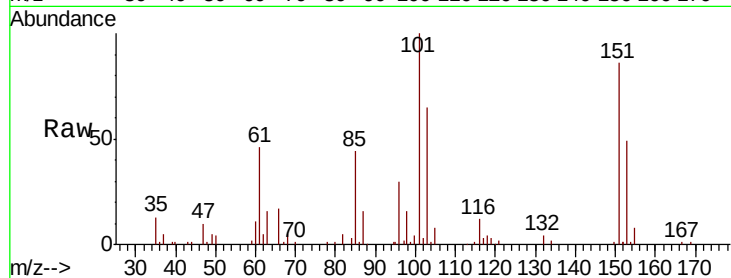
Tot Ion:101 Resp: 113209

Ion Ratio Lower Upper

101 100

85 44.0 35.3 52.9

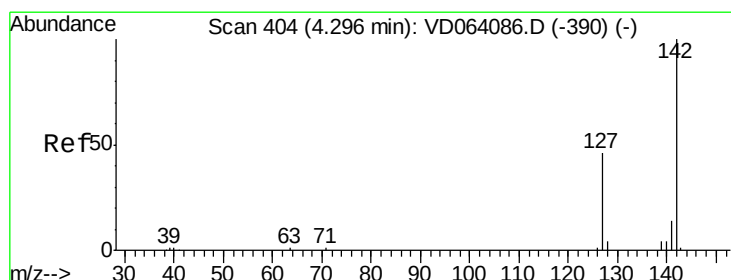
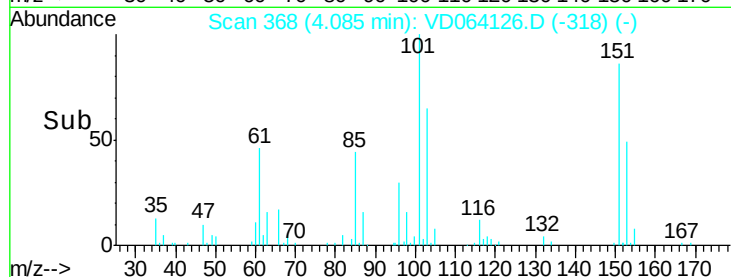
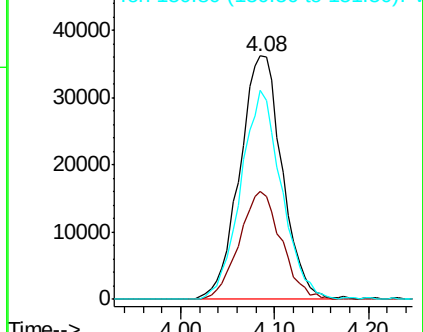
151 82.5 67.0 100.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.481 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

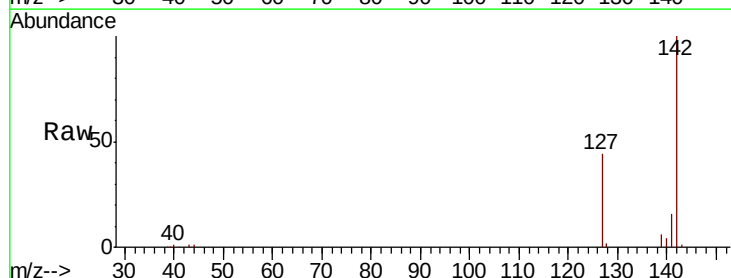
Tgt Ion:142 Resp: 136391

Ion Ratio Lower Upper

142 100

127 44.9 35.1 52.7

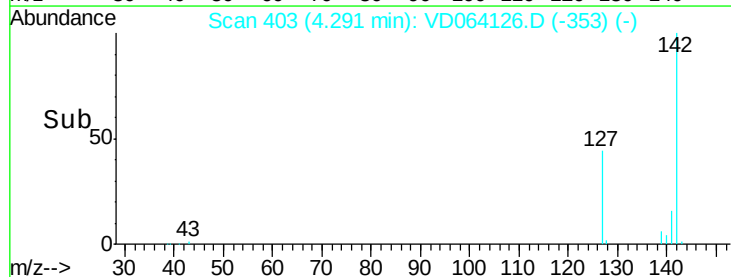
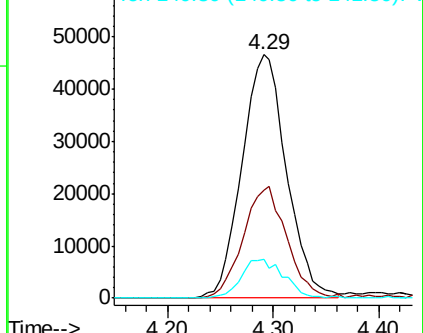
141 15.3 11.6 17.4

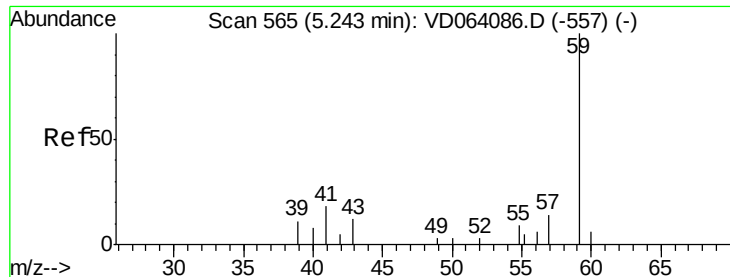


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

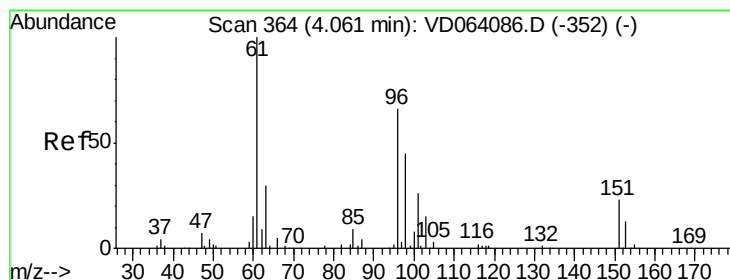
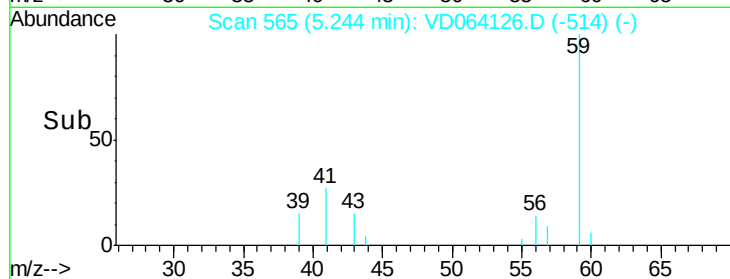
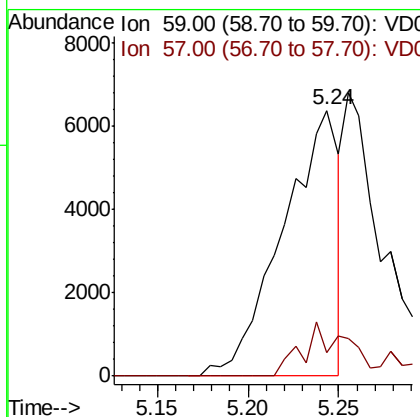
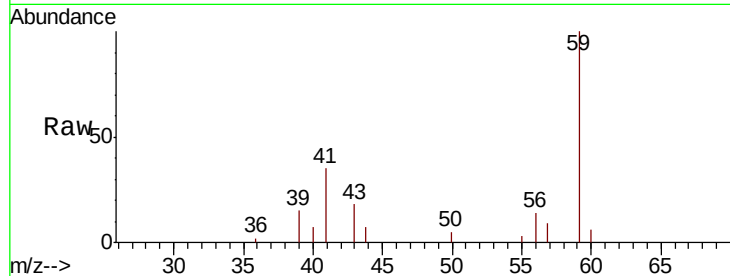




#11
Tert butyl alcohol
Concen: 121.875 ug/l
RT: 5.24 min Scan# 565
Delta R.T. 0.00 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

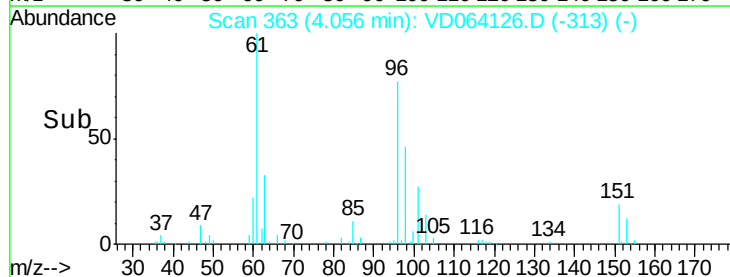
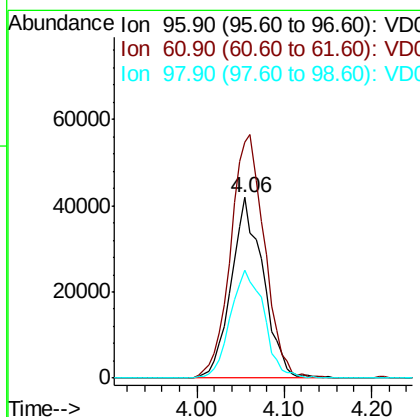
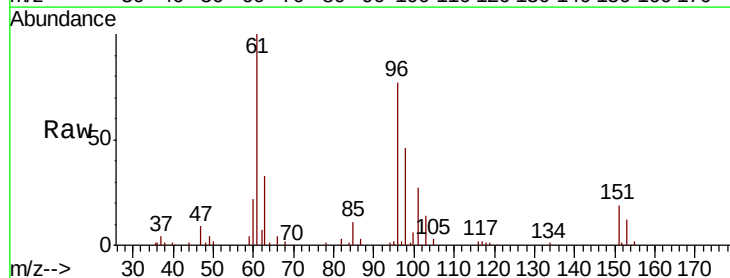
Instrument :
MSVOA_D
ClientSampleId :

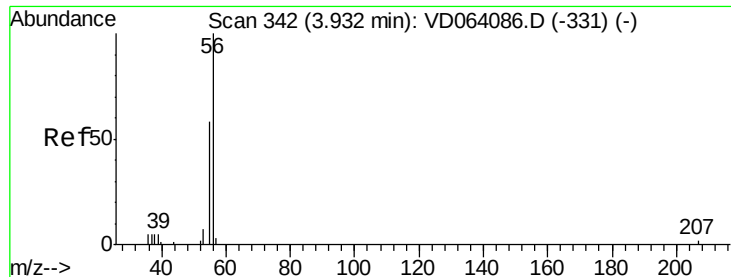
Tot Ion: 59 Resp: 13732
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#12
1,1-Dichloroethene
Concen: 47.567 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

Tgt Ion: 96 Resp: 104378
Ion Ratio Lower Upper
96 100
61 130.7 121.8 182.6
98 60.0 55.4 83.0





#13

Acrolein

Concen: 218.464 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

Instrument :

MSVOA_D

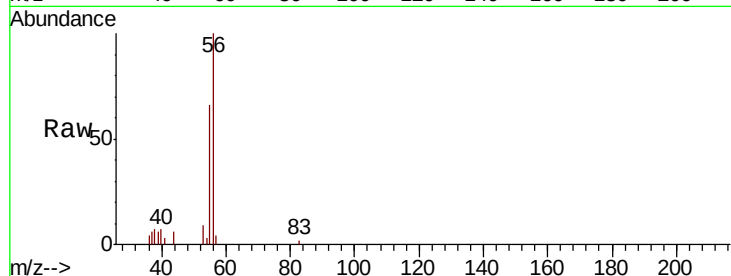
ClientSampleId :

Tot Ion: 56 Resp: 28024

Ion Ratio Lower Upper

56 100

55 69.7 53.8 80.6



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

12000

10000

8000

6000

4000

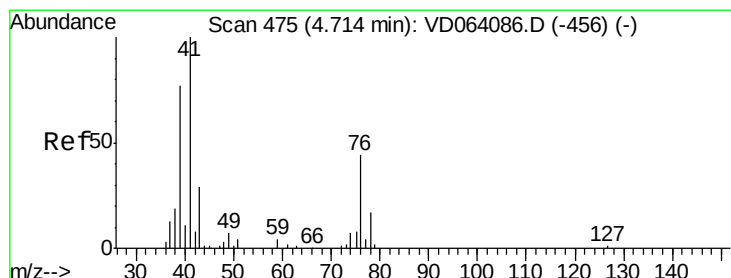
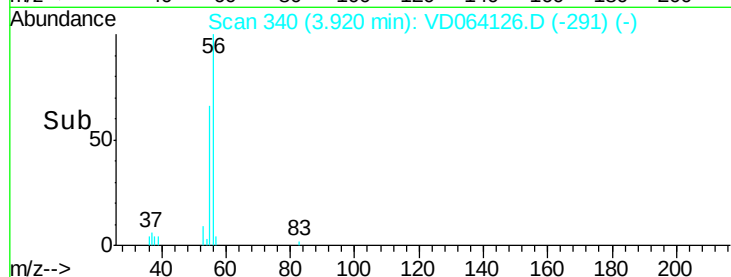
2000

0

3.92

3.80 3.85 3.90 3.95 4.00

Time-->



#14

Allyl chloride

Concen: 48.390 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

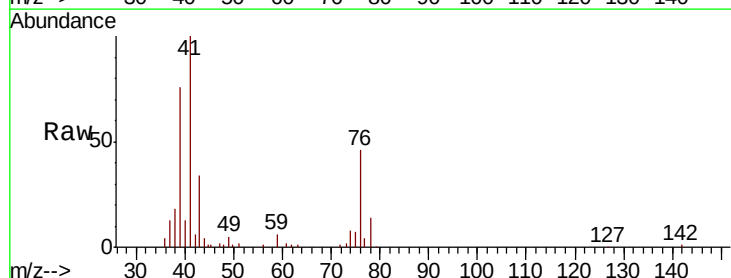
Tgt Ion: 41 Resp: 124281

Ion Ratio Lower Upper

41 100

39 73.7 61.5 92.3

76 46.5 36.2 54.4



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

50000

40000

30000

20000

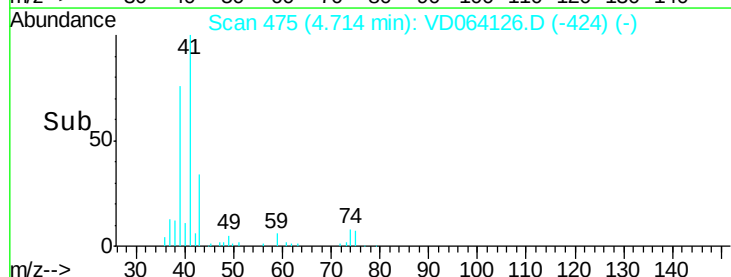
10000

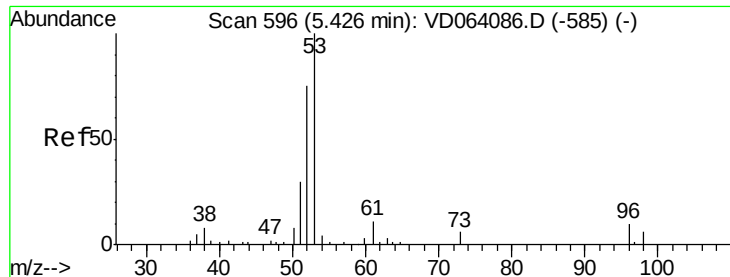
0

4.71

4.60 4.70 4.80

Time-->





#15

Acrylonitrile

Concen: 232.507 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.01 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

Instrument :
MSVOA_D
ClientSampleId :

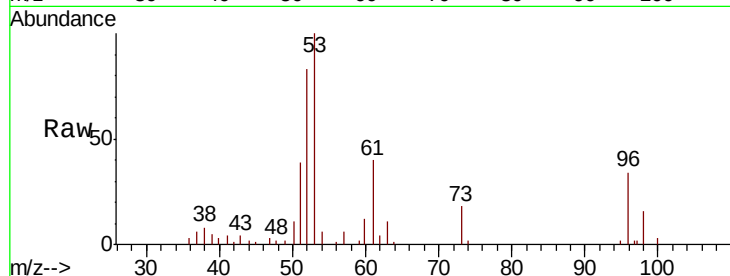
Tot Ion: 53 Resp: 96046

Ion Ratio Lower Upper

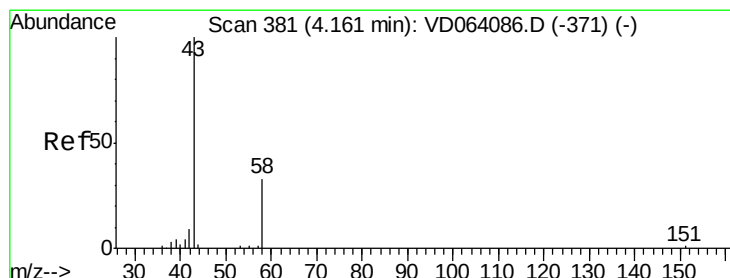
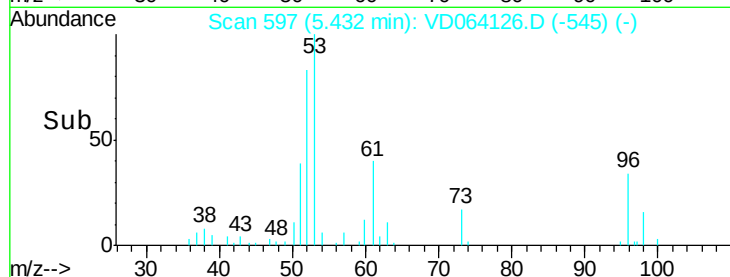
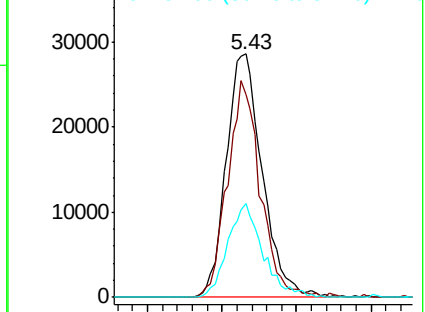
53 100

52 80.8 66.2 99.4

51 37.4 29.0 43.6



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: 274.889 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD064126.D

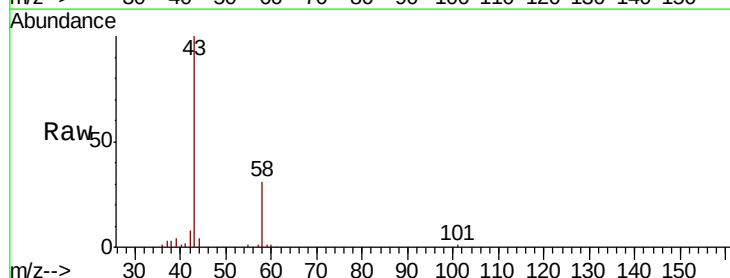
Acq: 31 Oct 2019 11:52

Tgt Ion: 43 Resp: 105224

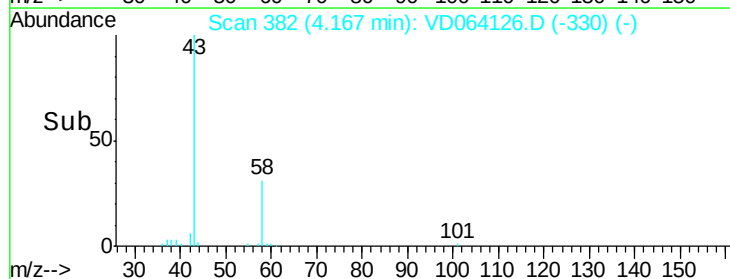
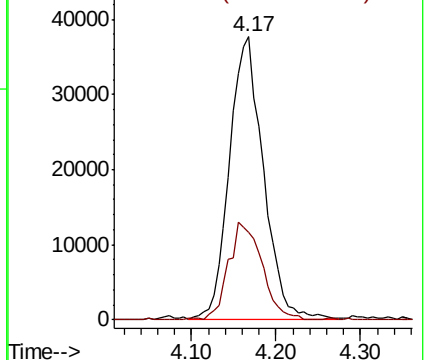
Ion Ratio Lower Upper

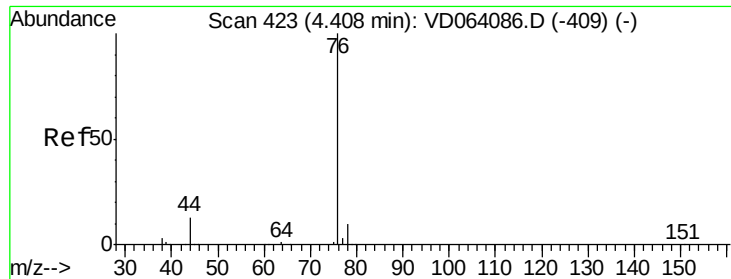
43 100

58 31.2 26.3 39.5



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





#17

Carbon Disulfide

Concen: 47.941 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

Instrument :

MSVOA_D

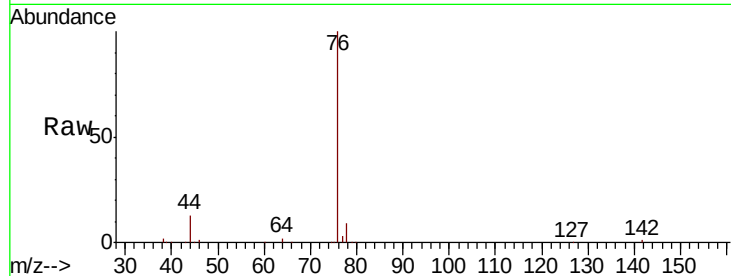
ClientSampled :

Tot Ion: 76 Resp: 323280

Ion Ratio Lower Upper

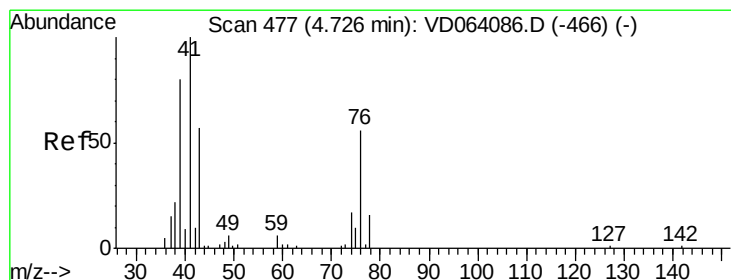
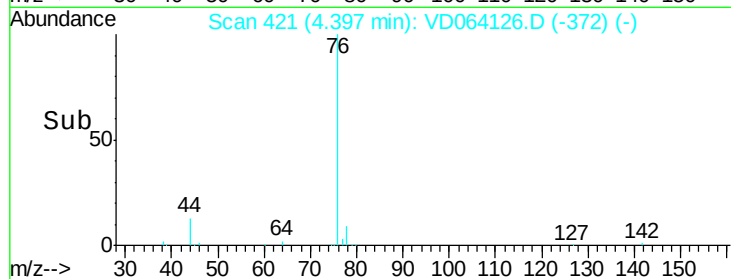
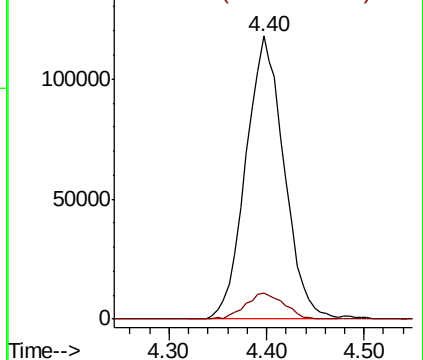
76 100

78 9.3 8.1 12.1



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 45.453 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD064126.D

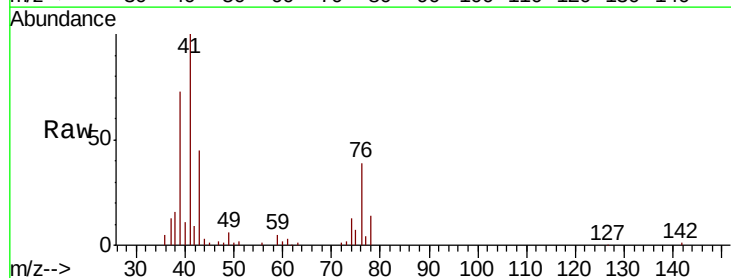
Acq: 31 Oct 2019 11:52

Tgt Ion: 43 Resp: 46281

Ion Ratio Lower Upper

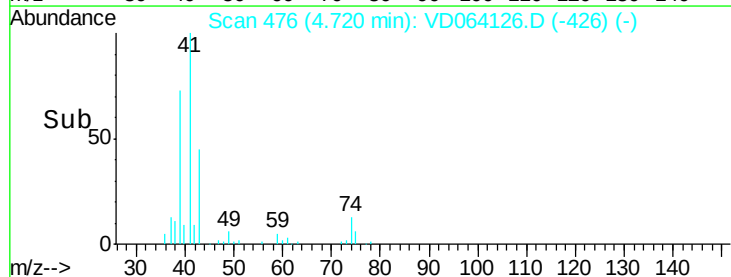
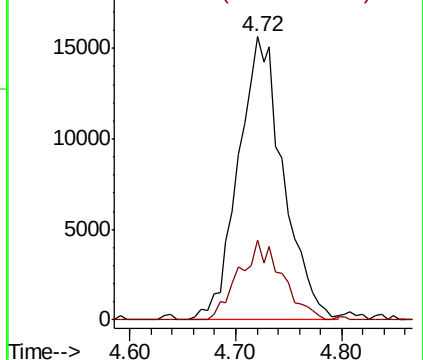
43 100

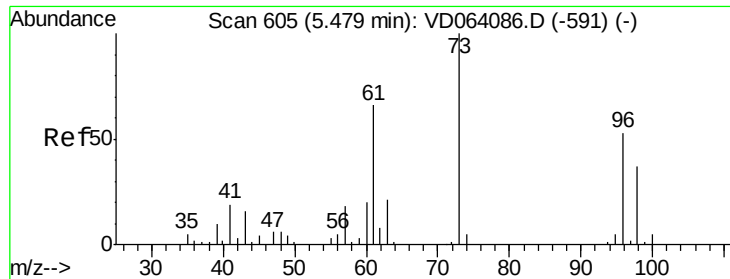
74 26.9 22.2 33.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

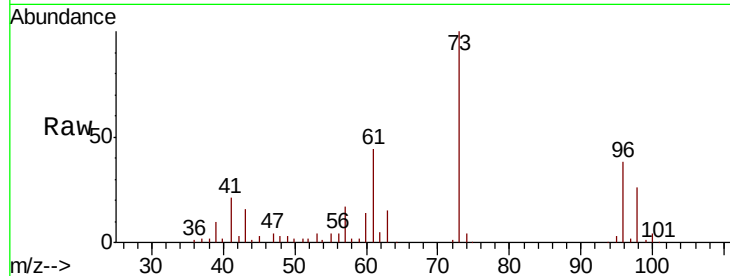




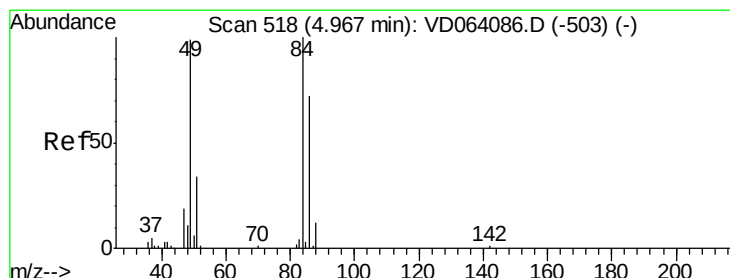
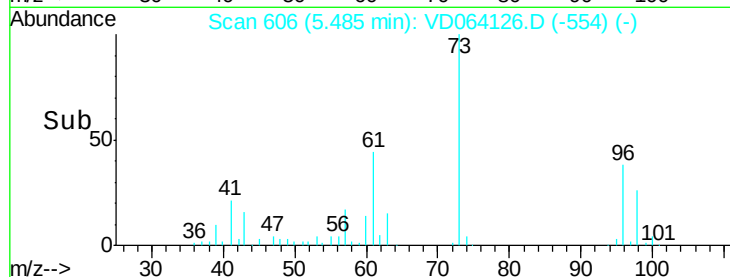
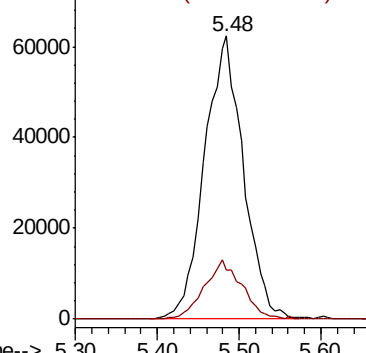
#19
Methyl tert-butyl Ether
Concen: 46.326 ug/l
RT: 5.48 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 73 Resp: 206276
Ion Ratio Lower Upper
73 100
57 17.4 14.3 21.5

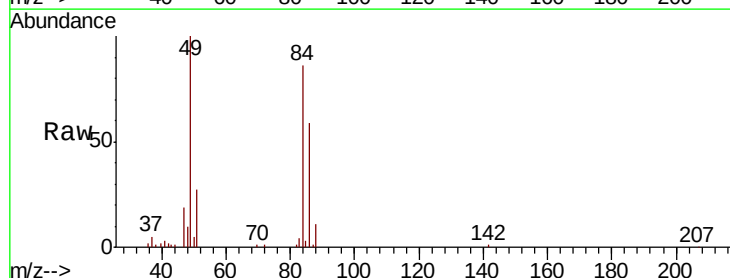


Abundance Ion 73.00 (72.70 to 73.70): VDC
Ion 57.00 (56.70 to 57.70): VDC

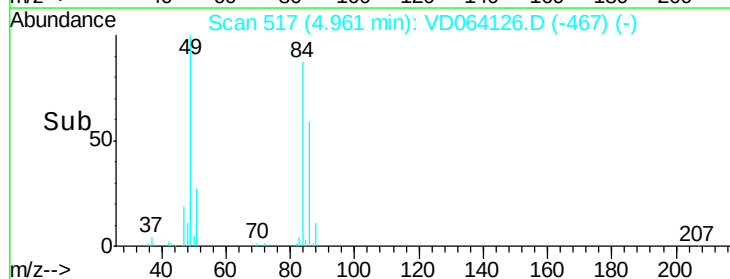
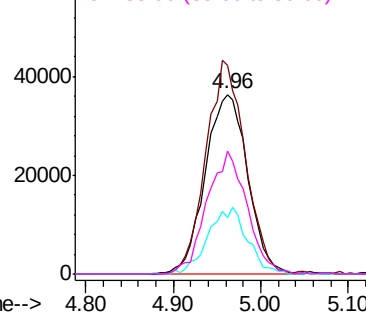


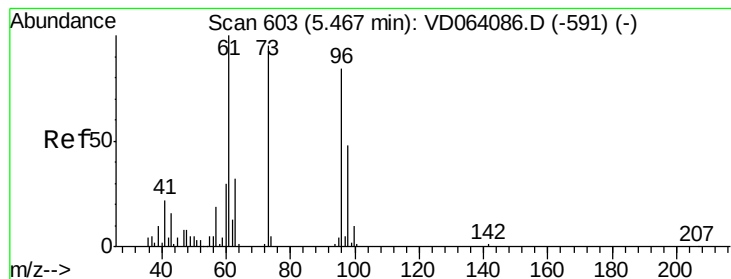
#20
Methylene Chloride
Concen: 49.130 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

Tgt Ion: 84 Resp: 120309
Ion Ratio Lower Upper
84 100
49 116.1 79.4 119.0
51 31.4 27.4 41.2
86 68.1 57.4 86.0



Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 48.346 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

Instrument :

MSVOA_D

ClientSampleId :

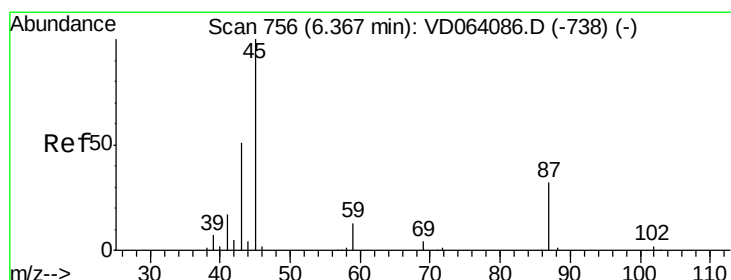
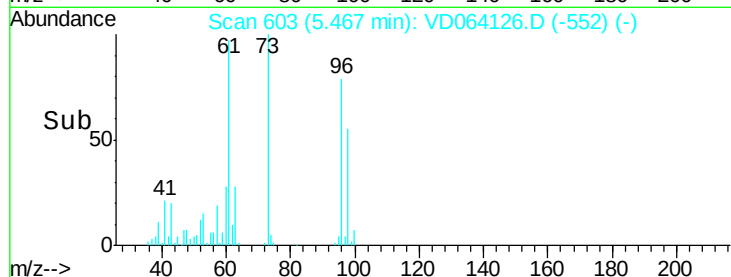
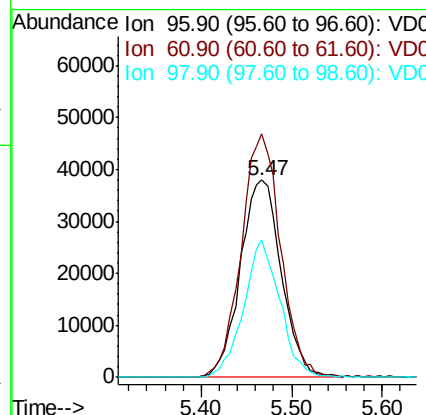
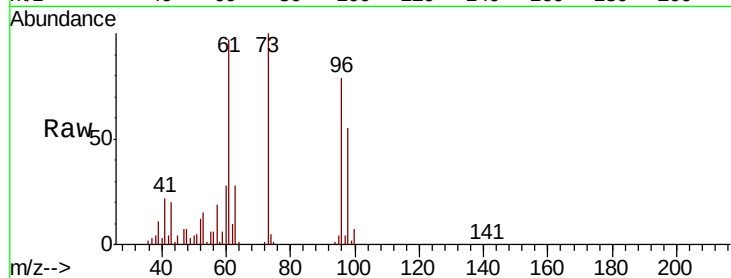
Tot Ion: 96 Resp: 119089

Ion Ratio Lower Upper

96 100

61 123.6 95.0 142.6

98 70.1 45.8 68.8#



#22

Diisopropyl ether

Concen: 47.518 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.00 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

Tgt Ion: 45 Resp: 270282

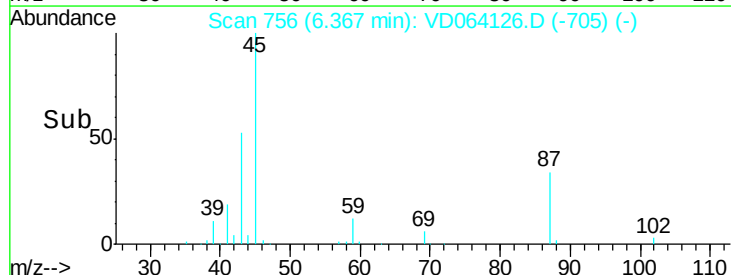
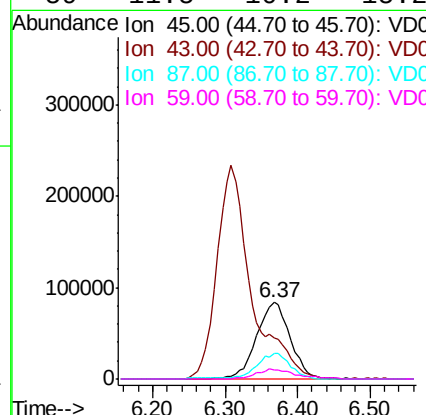
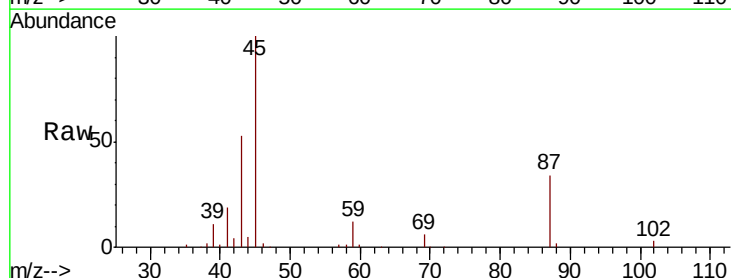
Ion Ratio Lower Upper

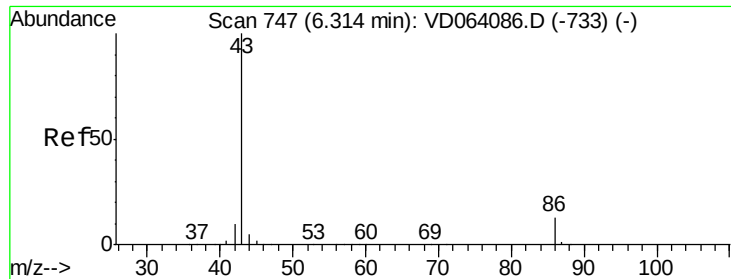
45 100

43 52.4 44.3 66.5

87 34.2 26.6 39.8

59 11.5 10.2 15.2





#23

Vinyl Acetate

Concen: 247.035 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

Instrument :

MSVOA_D

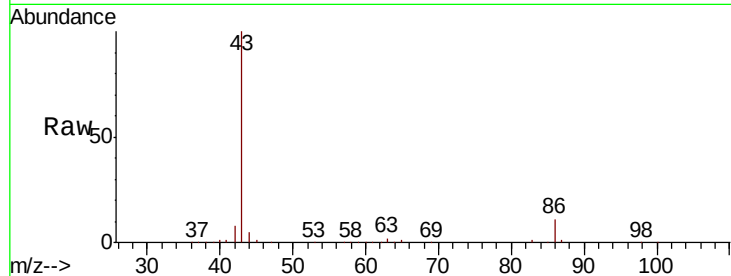
ClientSampled :

Tot Ion: 43 Resp: 770216

Ion Ratio Lower Upper

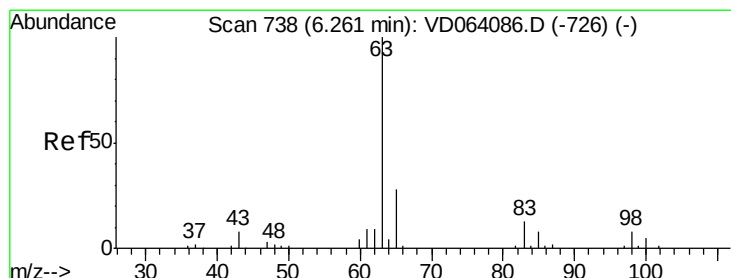
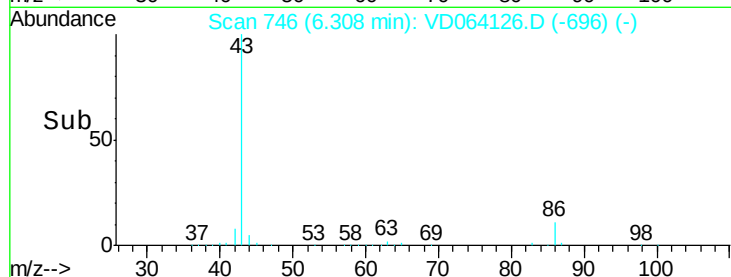
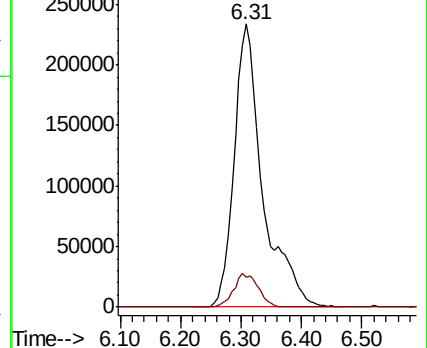
43 100

86 10.6 10.7 16.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 46.645 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

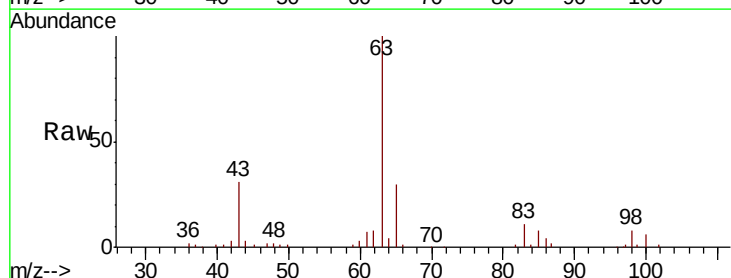
Tgt Ion: 63 Resp: 179161

Ion Ratio Lower Upper

63 100

98 7.7 4.0 11.9

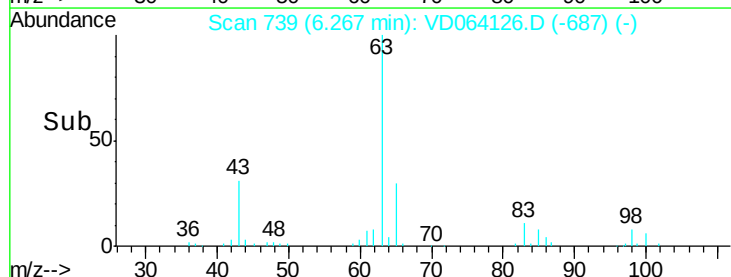
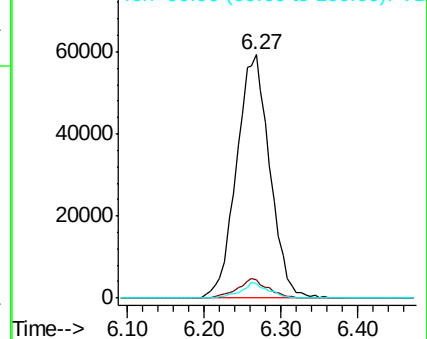
100 6.0 2.6 7.8

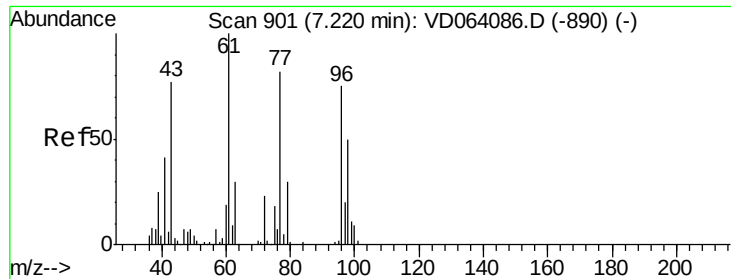


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 233.436 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

Instrument :

MSVOA_D

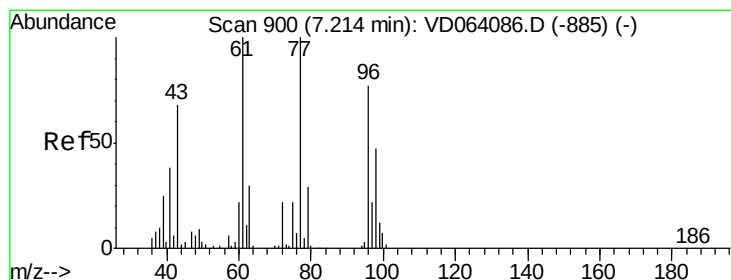
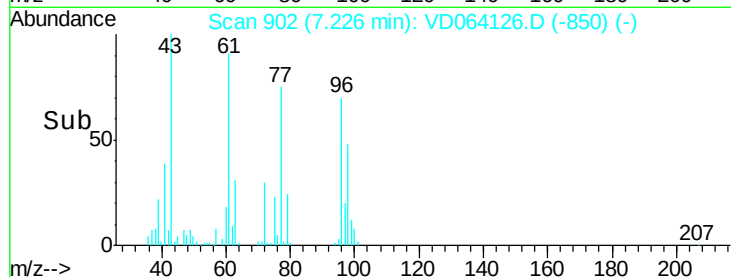
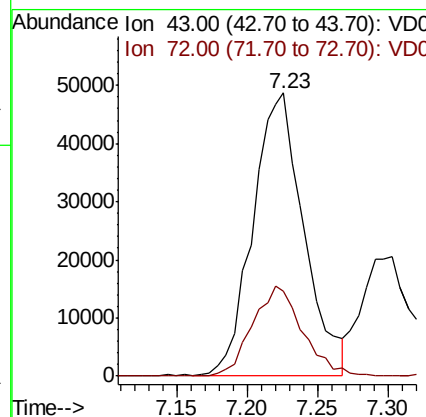
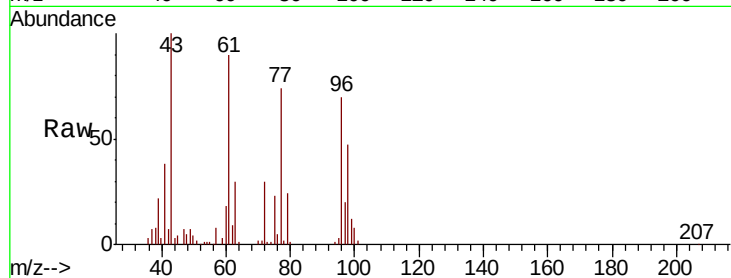
ClientSampleId :

Tot Ion: 43 Resp: 123532

Ion Ratio Lower Upper

43 100

72 30.1 23.4 35.0



#26

2,2-Dichloropropane

Concen: 47.194 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD064126.D

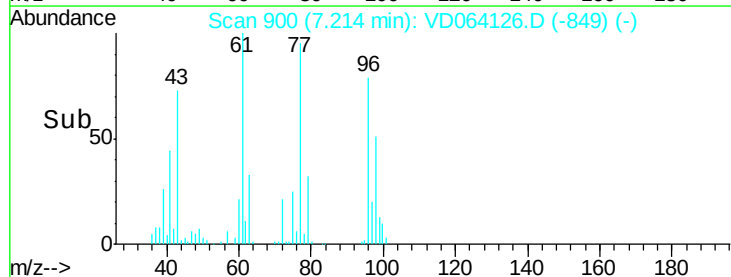
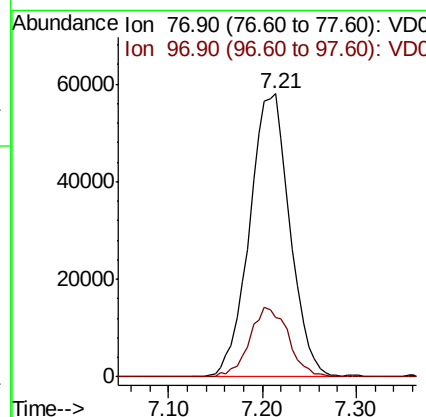
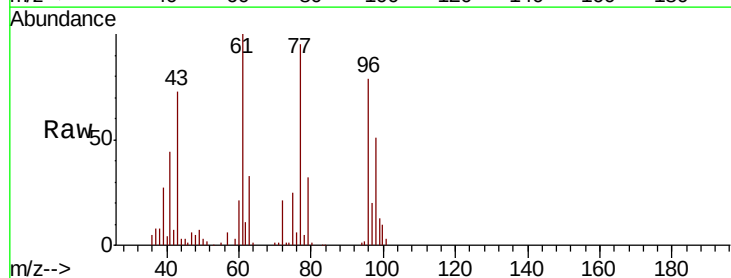
Acq: 31 Oct 2019 11:52

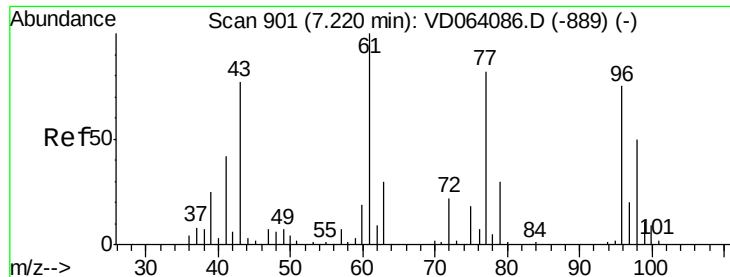
Tgt Ion: 77 Resp: 172048

Ion Ratio Lower Upper

77 100

97 23.7 11.2 33.5



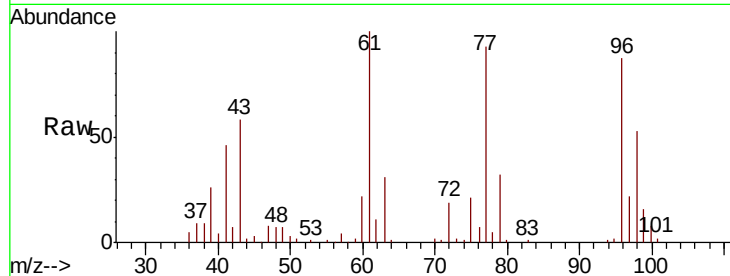


#27

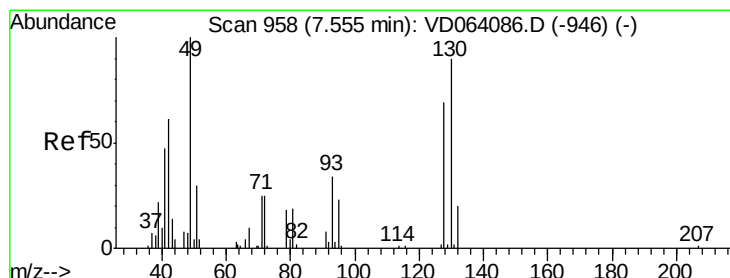
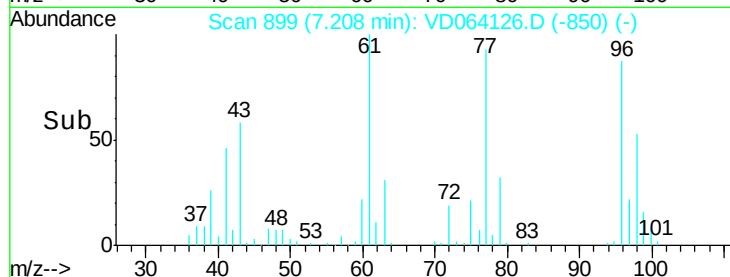
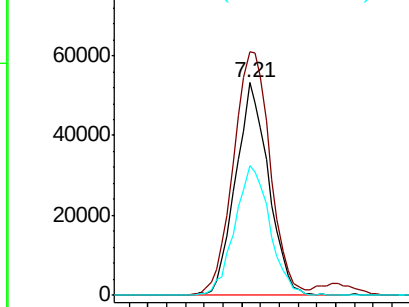
cis-1,2-Dichloroethene
Concen: 46.942 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 96 Resp: 129387
Ion Ratio Lower Upper
96 100
61 128.3 0.0 258.0
98 64.8 0.0 130.8



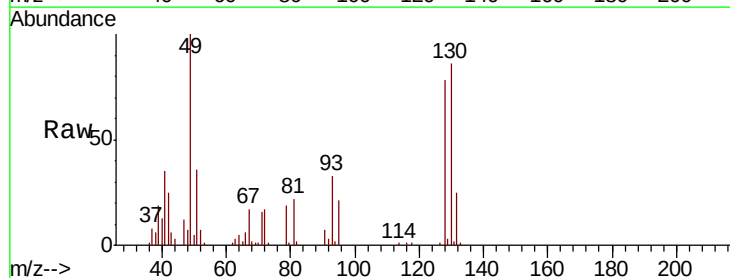
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



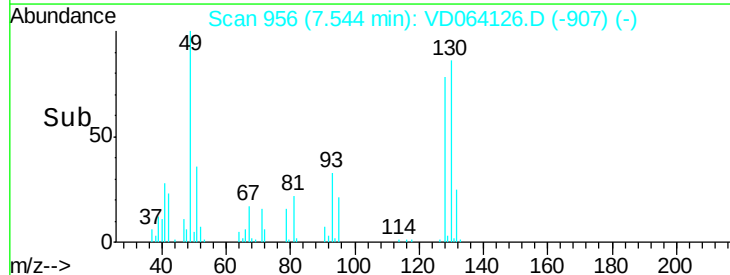
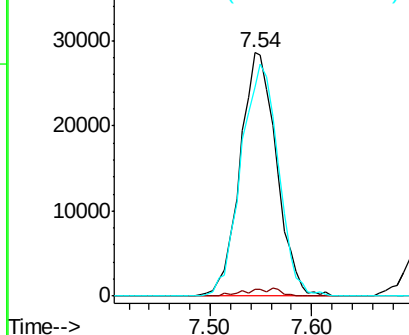
#28

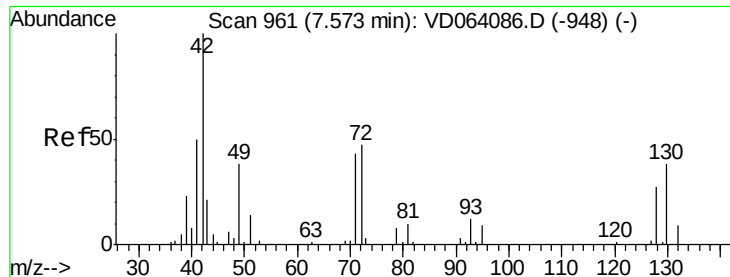
Bromochloromethane
Concen: 47.719 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

Tgt Ion: 49 Resp: 71283
Ion Ratio Lower Upper
49 100
129 3.1 0.0 5.4
130 97.9 75.3 112.9



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC

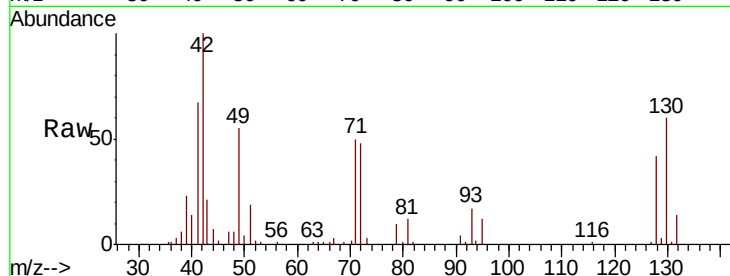




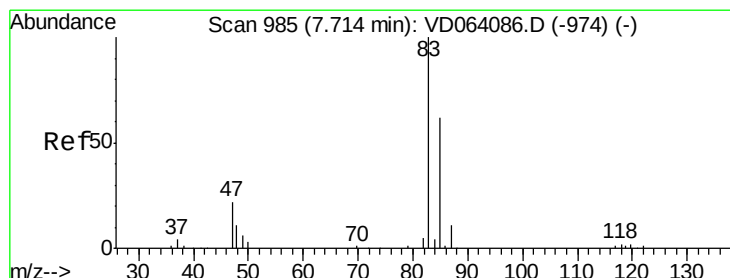
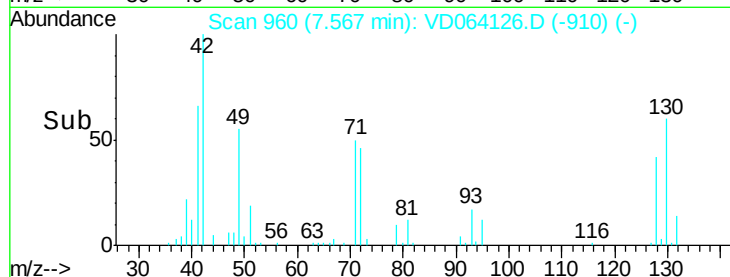
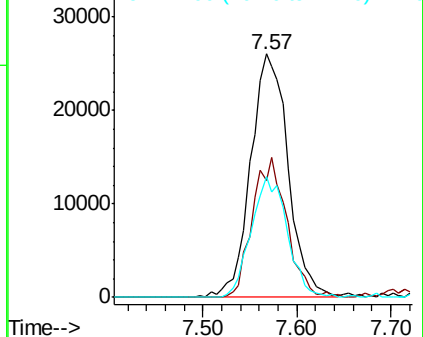
#29
Tetrahydrofuran
Concen: 232.120 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 71689
Ion Ratio Lower Upper
42 100
72 52.2 38.9 58.3
71 47.7 35.4 53.2

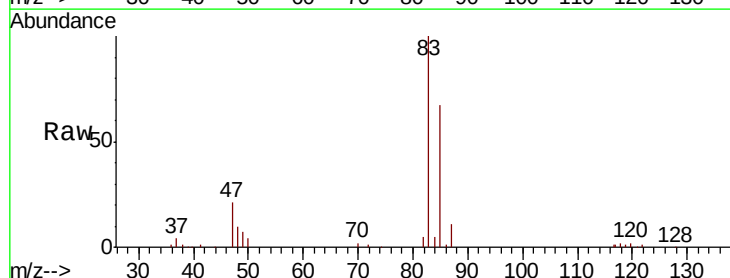


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

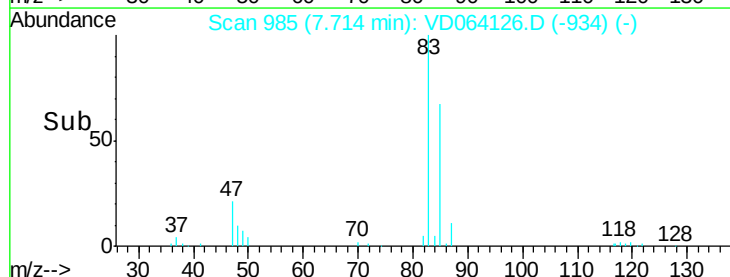
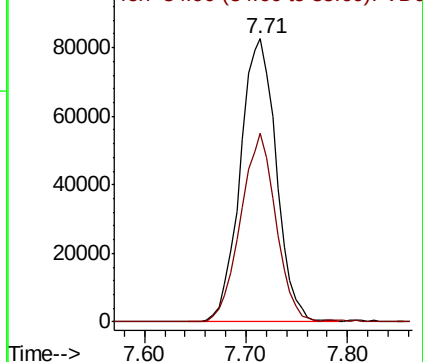


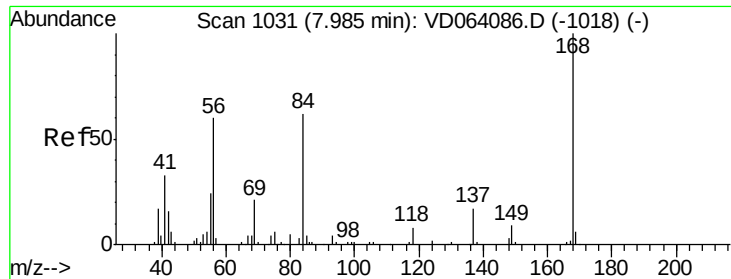
#30
Chloroform
Concen: 46.419 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

Tgt Ion: 83 Resp: 204018
Ion Ratio Lower Upper
83 100
85 66.7 49.8 74.6



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

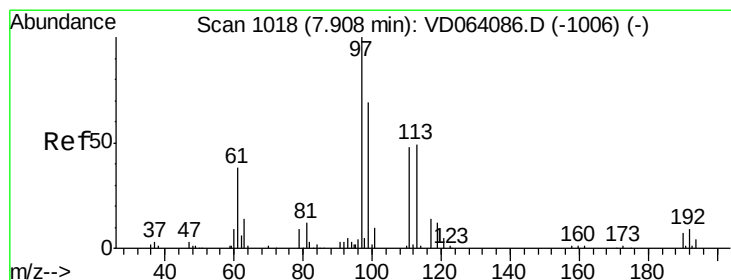
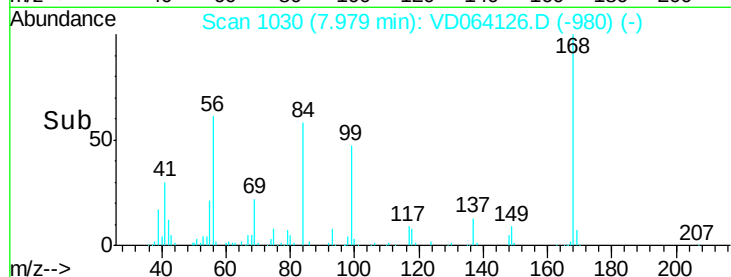
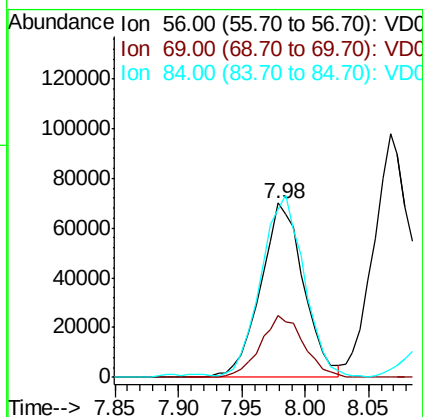
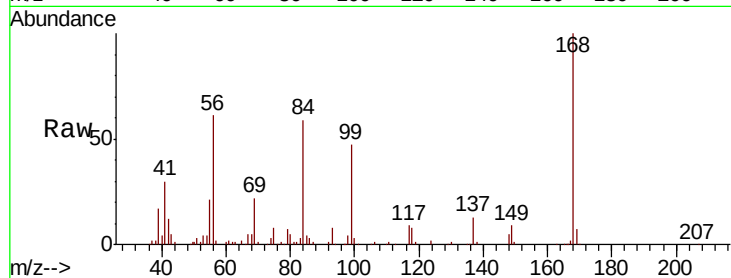




#31
Cyclohexane
Concen: 44.301 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

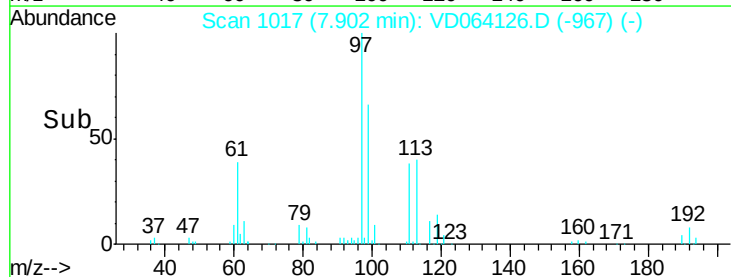
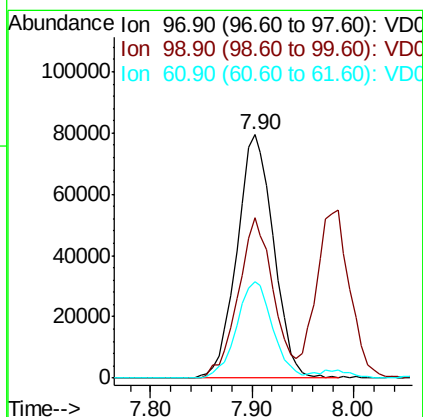
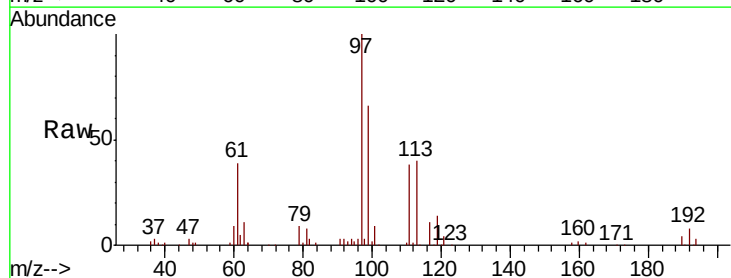
Instrument :
MSVOA_D
ClientSampleId :

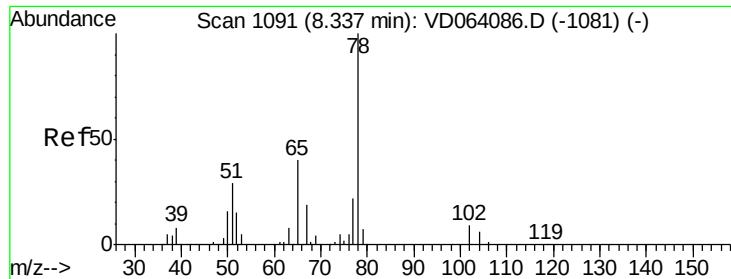
Tot Ion: 56 Resp: 165776
Ion Ratio Lower Upper
56 100
69 35.6 27.7 41.5
84 94.7 83.1 124.7



#32
1,1,1-Trichloroethane
Concen: 48.540 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

Tgt Ion: 97 Resp: 198592
Ion Ratio Lower Upper
97 100
99 63.4 53.7 80.5
61 39.0 31.8 47.6

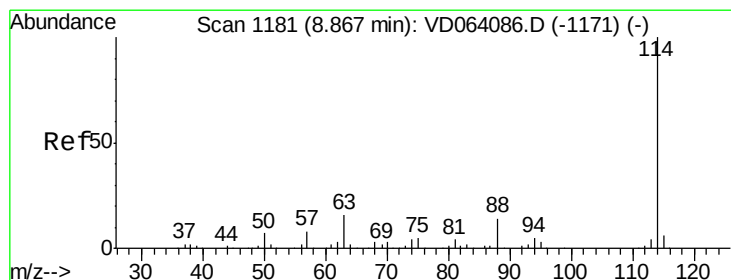
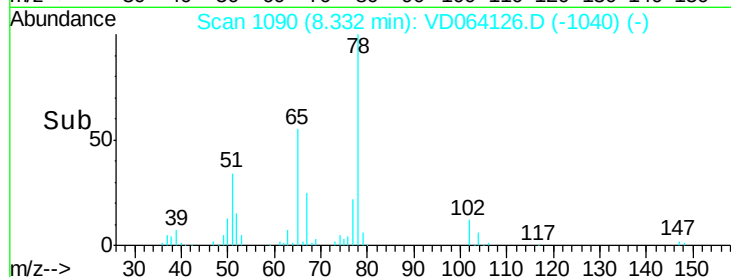
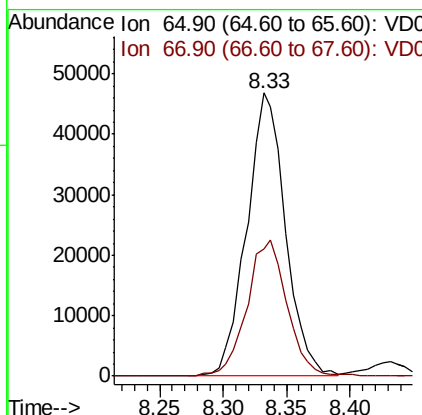
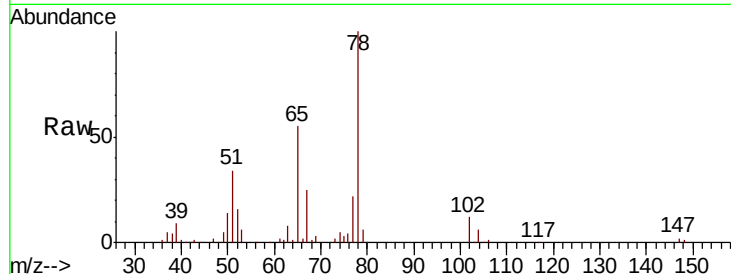




#33
 1,2-Dichloroethane-d4
 Concen: 49.496 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064126.D
 Acq: 31 Oct 2019 11:52

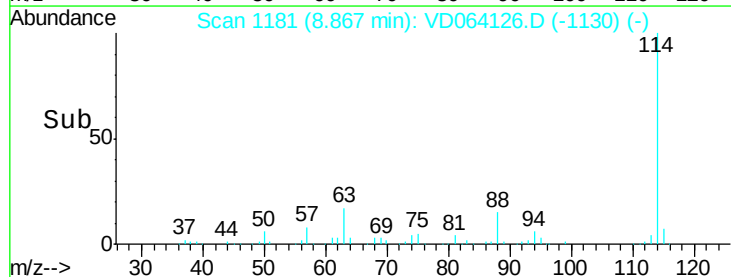
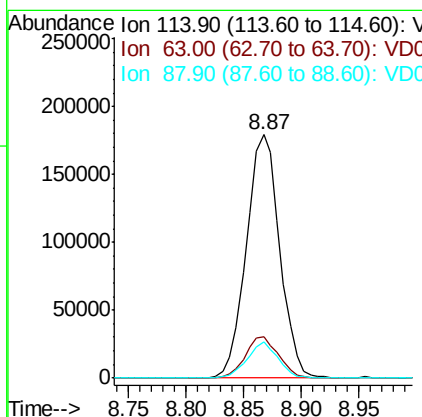
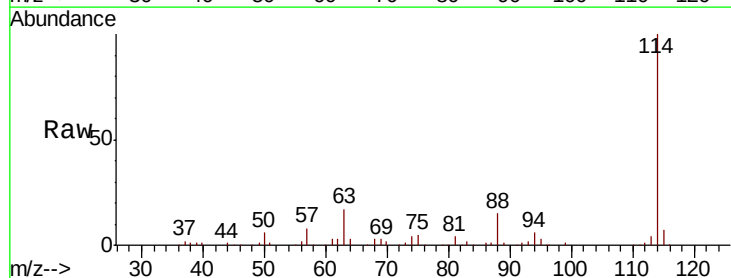
Instrument :
 MSVOA_D
 ClientSampleId :

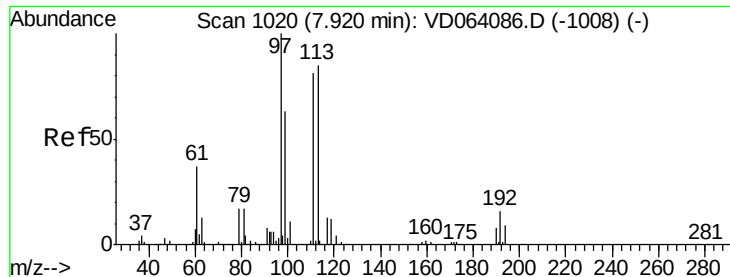
Tot Ion: 65 Resp: 99577
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064126.D
 Acq: 31 Oct 2019 11:52

Tgt Ion: 114 Resp: 361142
 Ion Ratio Lower Upper
 114 100
 63 16.8 0.0 32.8
 88 15.0 0.0 27.6

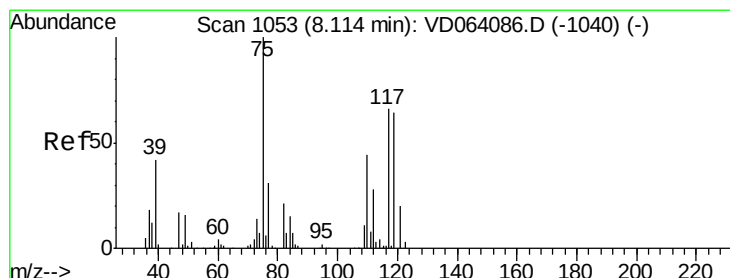
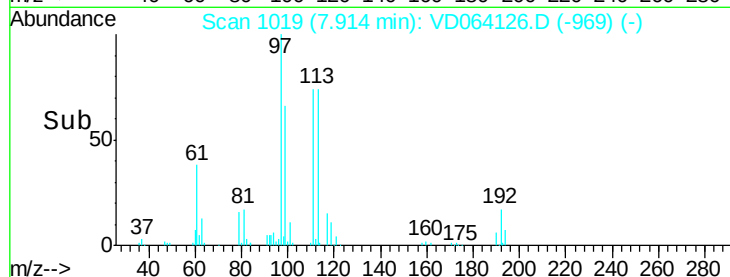
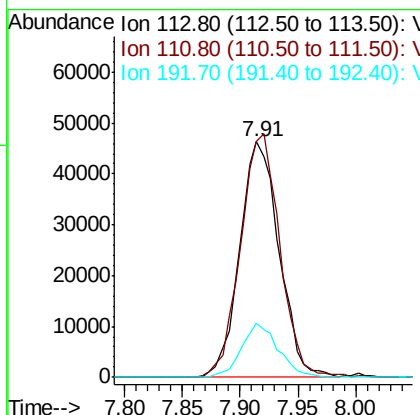
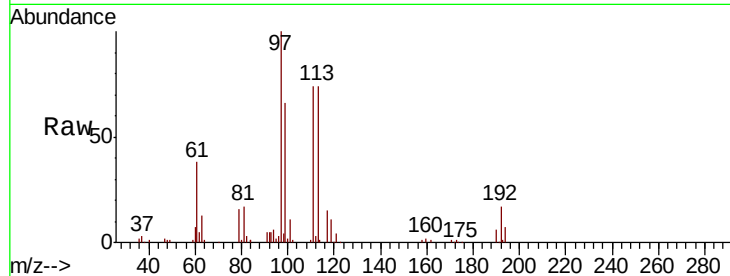




#35
 Dibromofluoromethane
 Concen: 49.681 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064126.D
 Acq: 31 Oct 2019 11:52

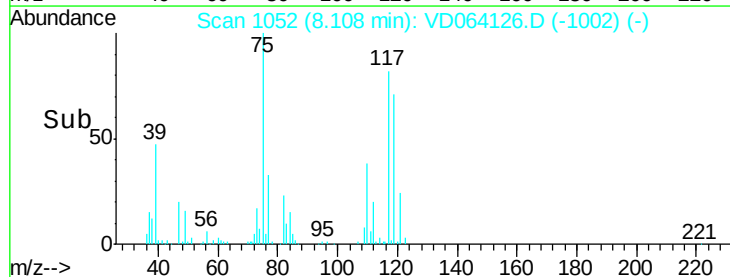
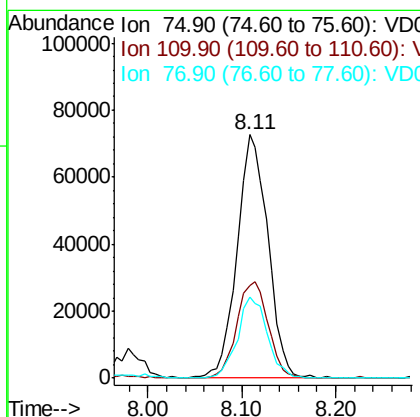
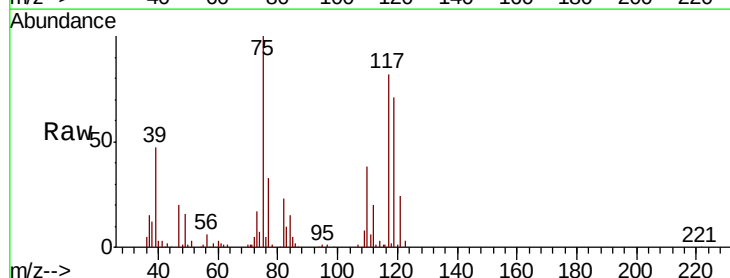
Instrument :
 MSVOA_D
 ClientSampleId :

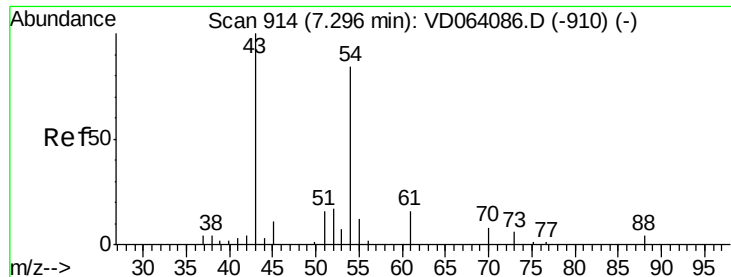
Tot Ion:113 Resp: 110383
 Ion Ratio Lower Upper
 113 100
 111 103.3 79.3 118.9
 192 21.3 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 48.837 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064126.D
 Acq: 31 Oct 2019 11:52

Tgt Ion: 75 Resp: 165265
 Ion Ratio Lower Upper
 75 100
 110 40.1 20.0 59.9
 77 32.4 24.7 37.1

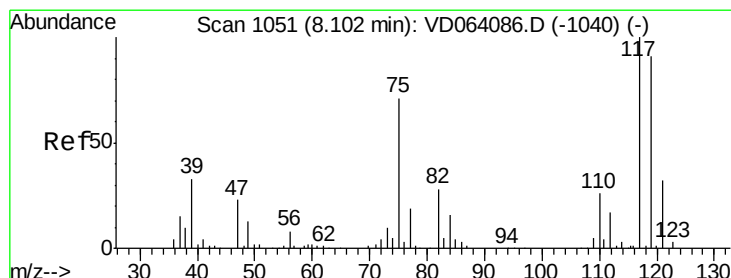
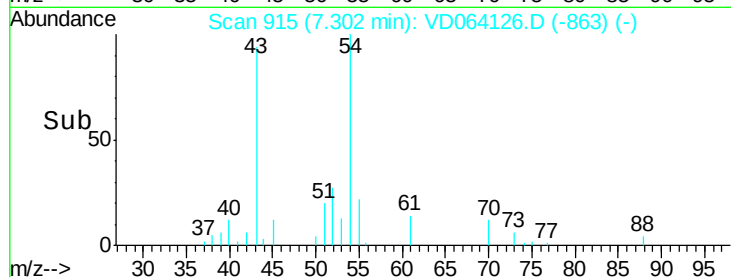
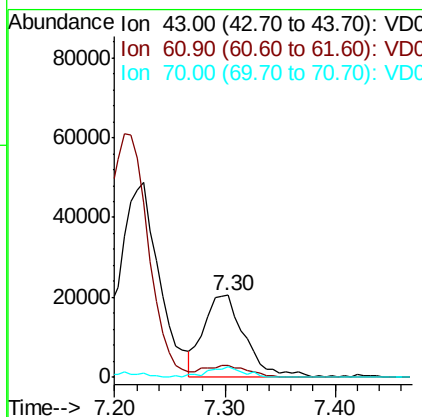
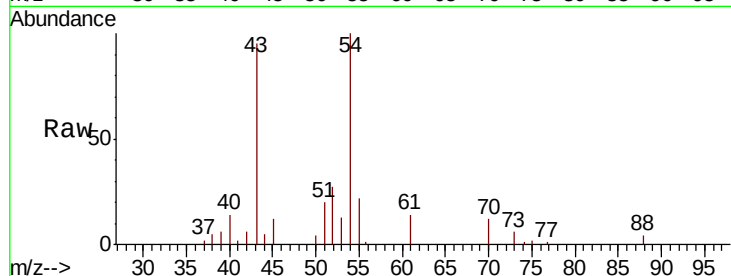




#37
Ethyl Acetate
Concen: 50.062 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

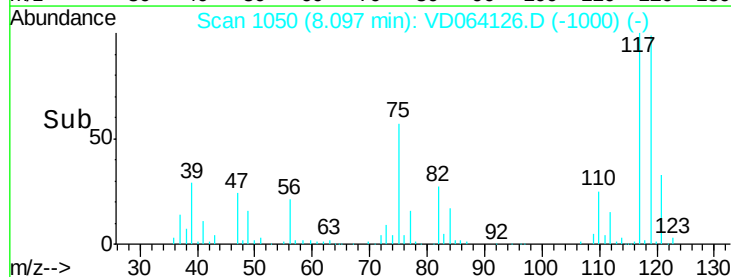
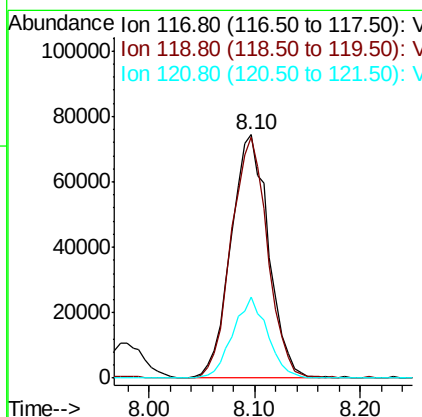
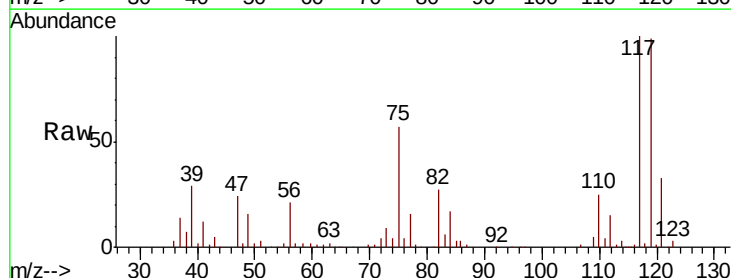
Instrument :
MSVOA_D
ClientSampled :

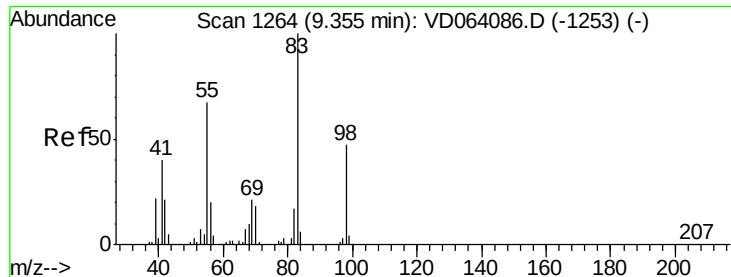
Tot Ion: 43 Resp: 52144
Ion Ratio Lower Upper
43 100
61 15.7 12.0 18.0
70 11.4 3.8 5.6#



#38
Carbon Tetrachloride
Concen: 49.744 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

Tgt Ion: 117 Resp: 183663
Ion Ratio Lower Upper
117 100
119 98.8 72.6 108.8
121 33.2 25.8 38.6

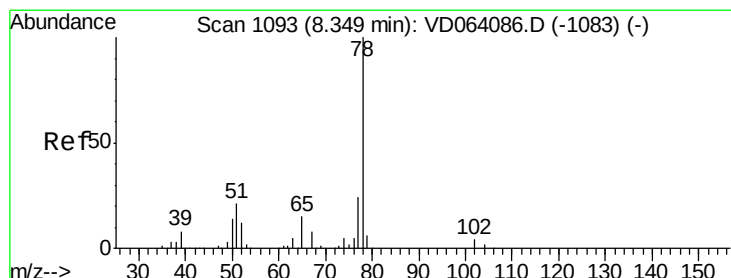
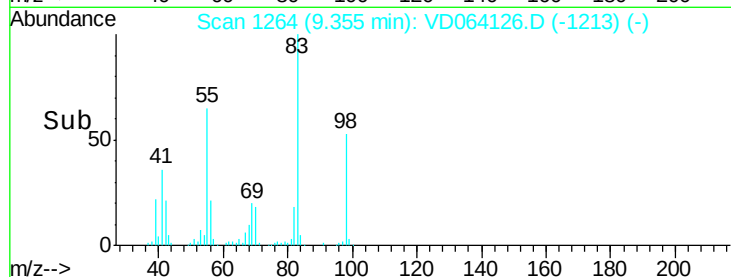
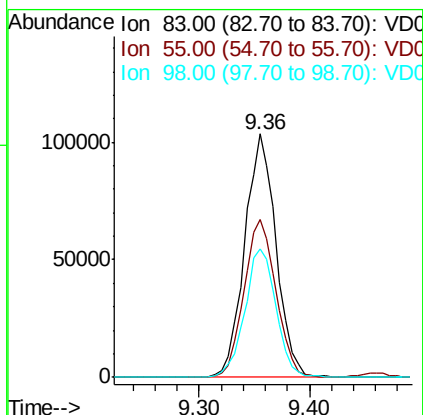
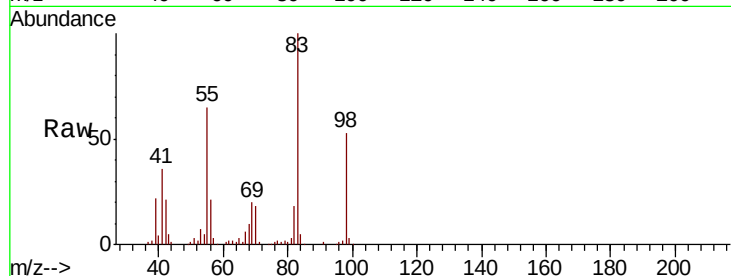




#39
Methylvlcyclohexane
Concen: 49.651 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

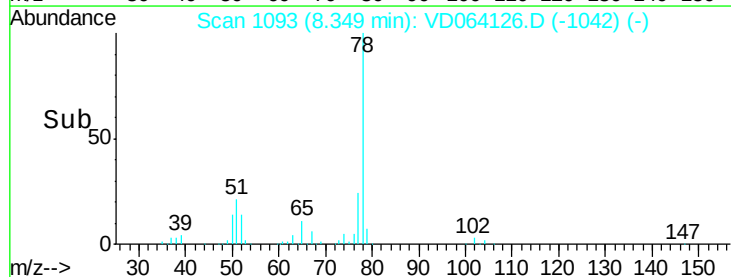
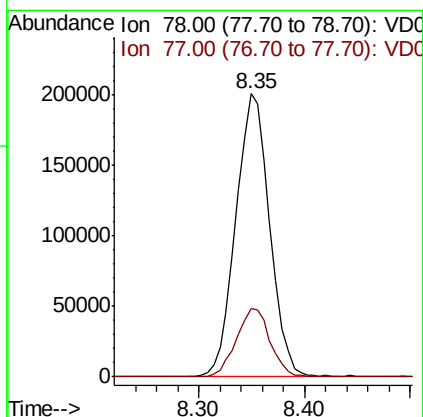
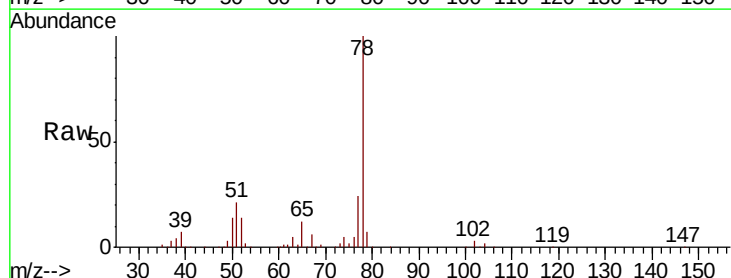
Instrument :
MSVOA_D
ClientSampleId :

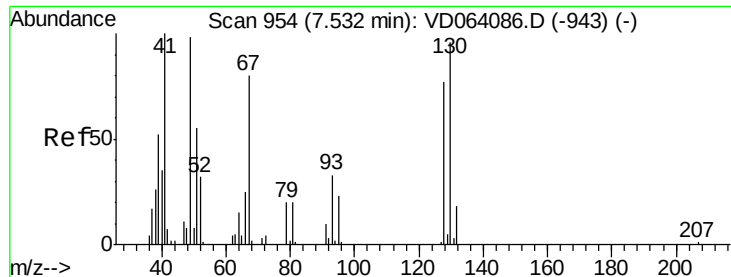
Tot Ion: 83 Resp: 206255
Ion Ratio Lower Upper
83 100
55 64.9 53.4 80.0
98 52.9 37.8 56.6



#40
Benzene
Concen: 48.176 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

Tgt Ion: 78 Resp: 444572
Ion Ratio Lower Upper
78 100
77 23.9 19.0 28.4

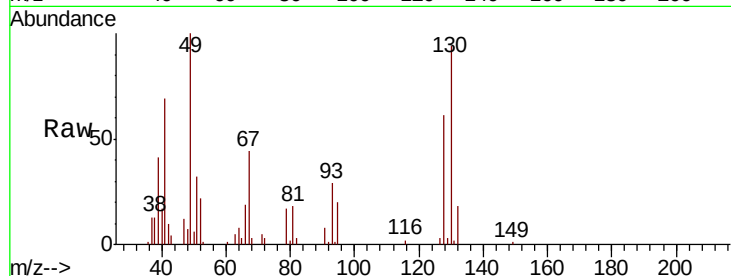




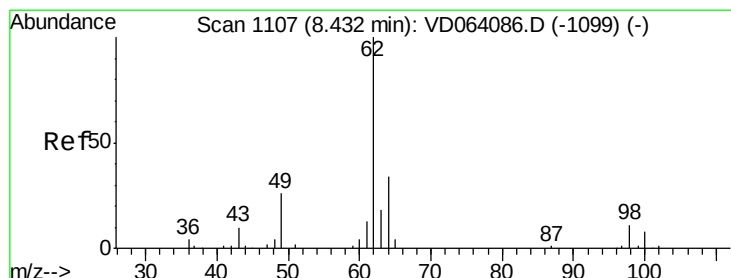
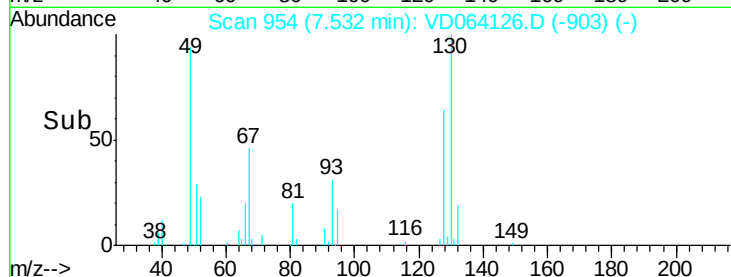
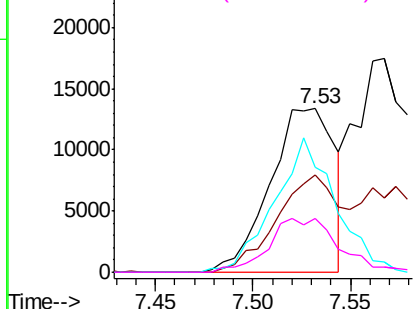
#41
Methacrylonitrile
Concen: 51.098 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.00 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 30715
Ion Ratio Lower Upper
41 100
39 59.6 41.0 61.4
67 77.5 73.4 110.0
52 35.7 27.3 40.9

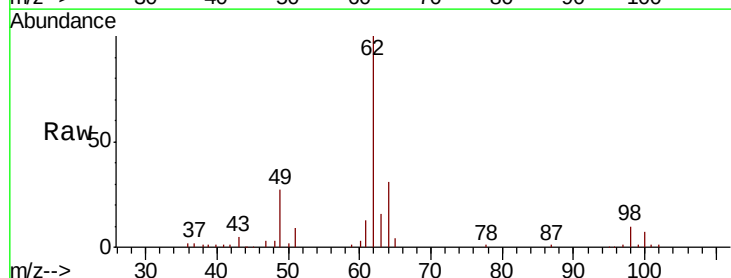


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

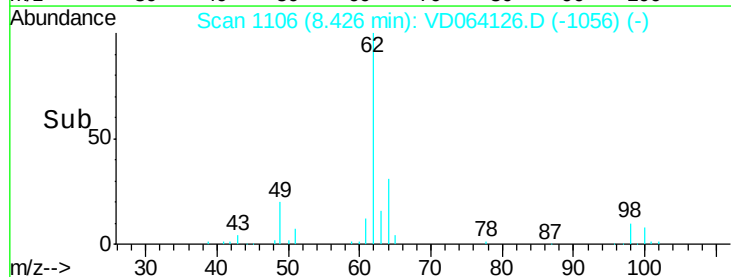
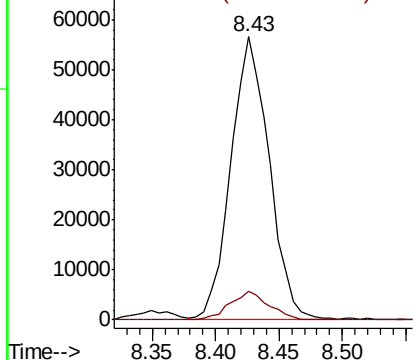


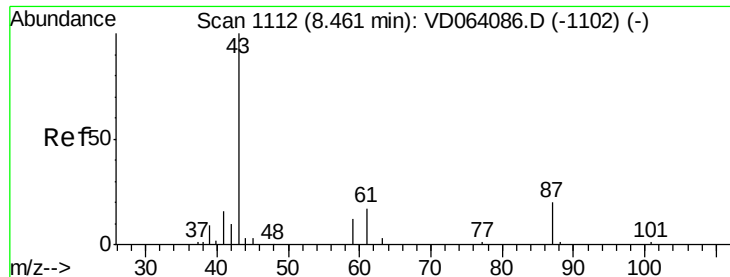
#42
1,2-Dichloroethane
Concen: 48.312 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

Tgt Ion: 62 Resp: 117765
Ion Ratio Lower Upper
62 100
98 10.2 0.0 21.0



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





#43

Isopropyl Acetate

Concen: 49.034 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

Instrument :

MSVOA_D

ClientSampleId :

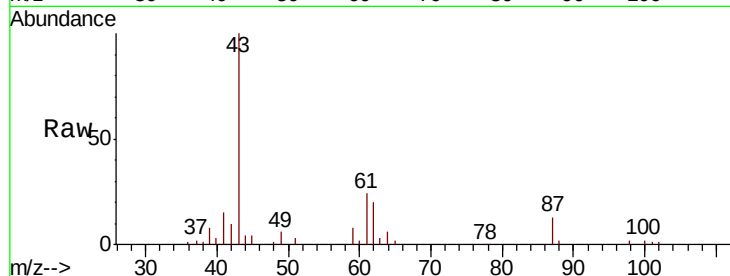
Tot Ion: 43 Resp: 103218

Ion Ratio Lower Upper

43 100

61 32.4 25.8 38.8

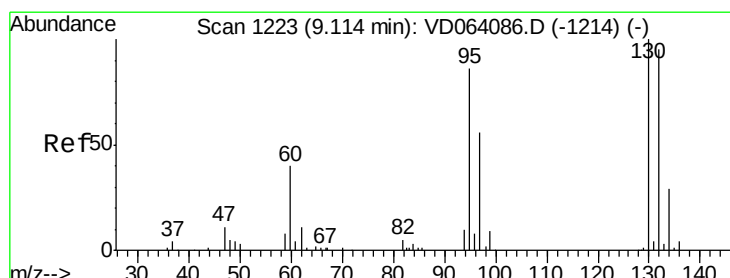
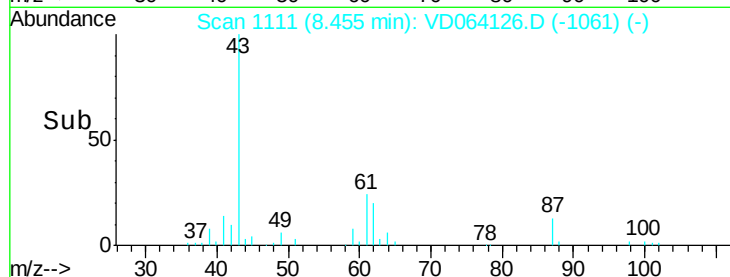
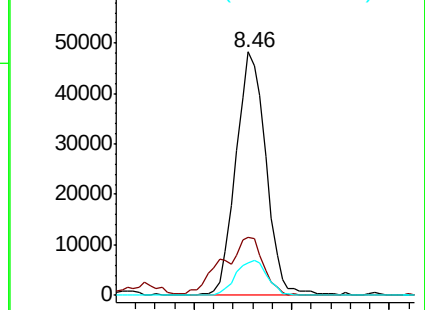
87 15.0 13.0 19.4



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: 50.360 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064126.D

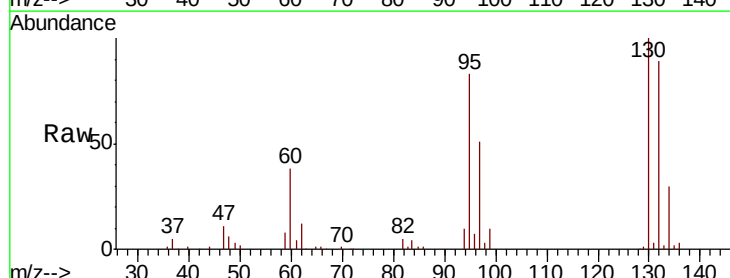
Acq: 31 Oct 2019 11:52

Tgt Ion:130 Resp: 140853

Ion Ratio Lower Upper

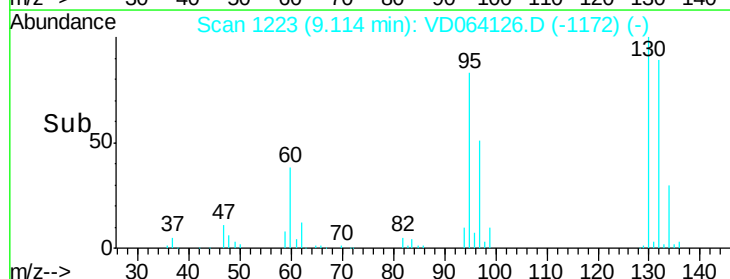
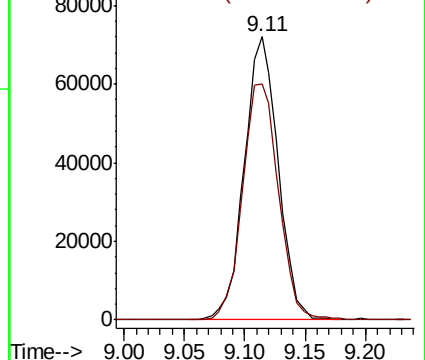
130 100

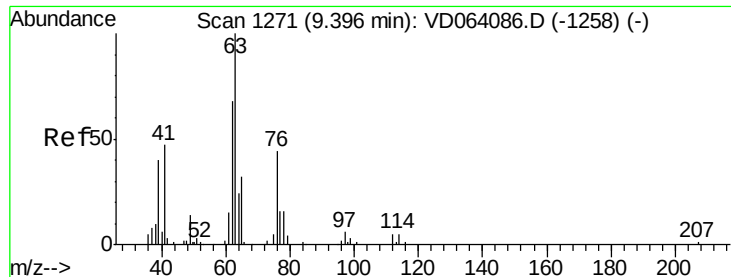
95 83.3 0.0 173.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 48.415 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

Instrument :

MSVOA_D

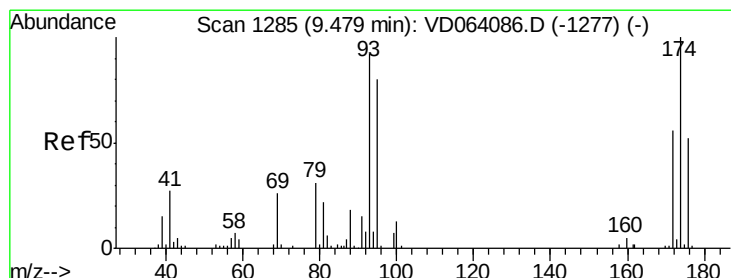
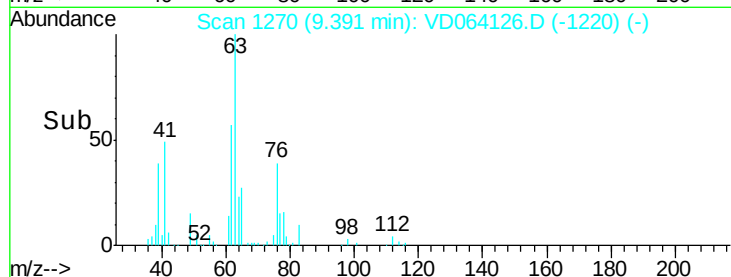
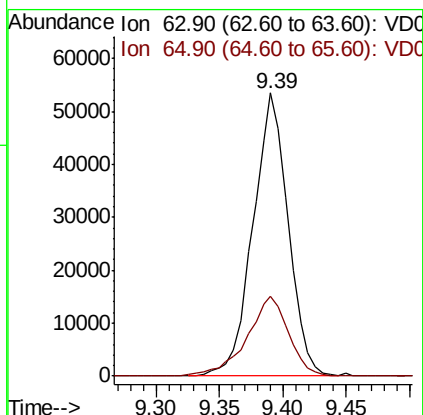
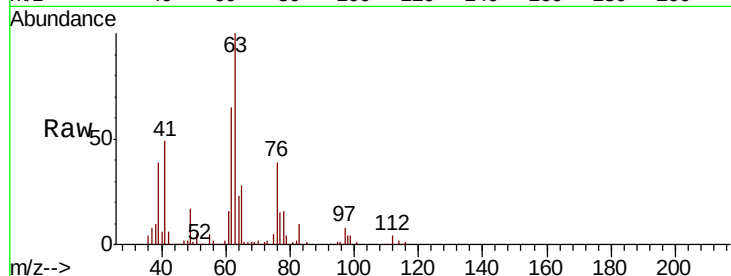
ClientSampleId :

Tot Ion: 63 Resp: 103540

Ion Ratio Lower Upper

63 100

65 28.0 25.8 38.8



#46

Dibromomethane

Concen: 48.536 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

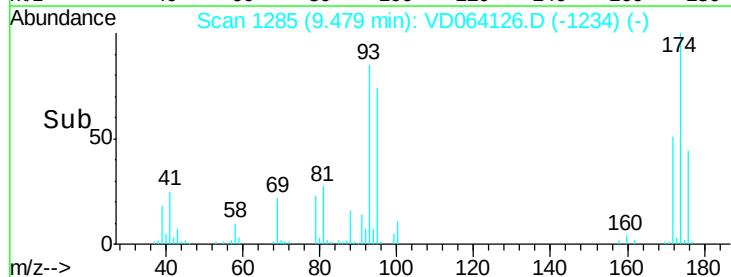
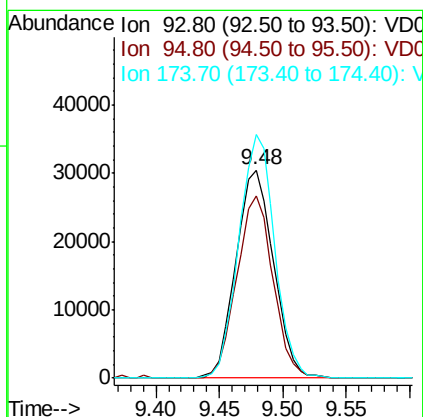
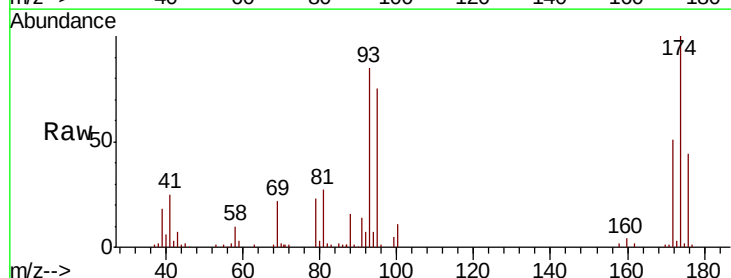
Tgt Ion: 93 Resp: 62515

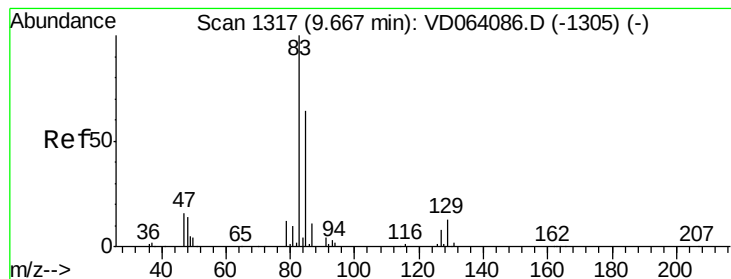
Ion Ratio Lower Upper

93 100

95 84.7 67.4 101.2

174 112.5 86.4 129.6





#47

Bromodichloromethane

Concen: 50.026 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

Instrument :

MSVOA_D

ClientSampled :

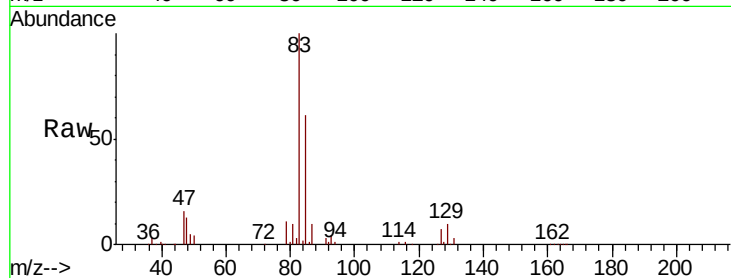
Tot Ion: 83 Resp: 162553

Ion Ratio Lower Upper

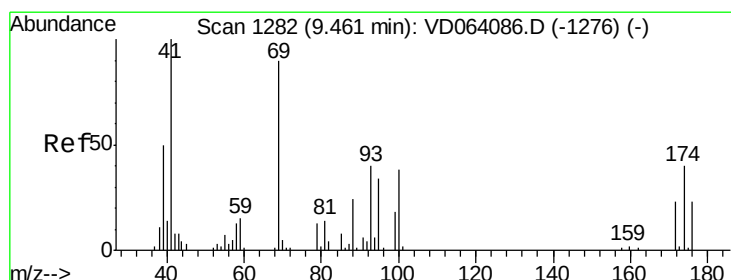
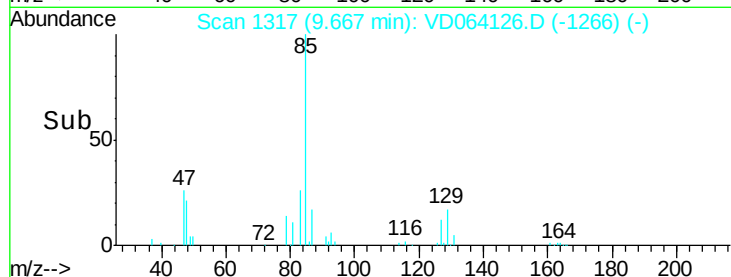
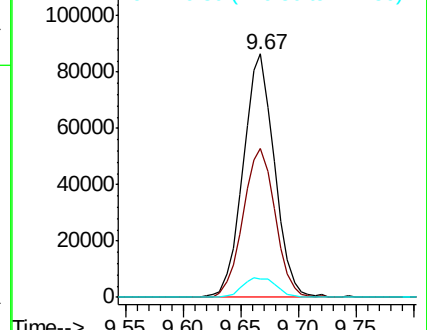
83 100

85 61.3 51.4 77.0

127 7.5 6.7 10.1



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



#48

Methyl methacrylate

Concen: 52.657 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

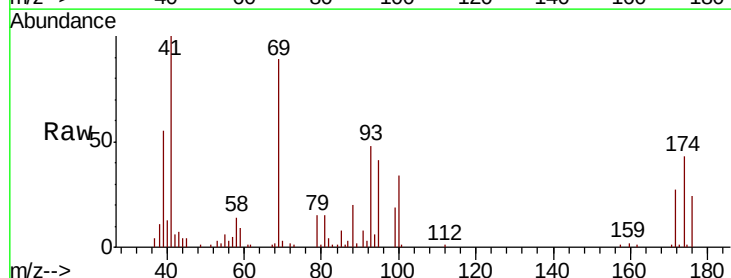
Tgt Ion: 41 Resp: 51259

Ion Ratio Lower Upper

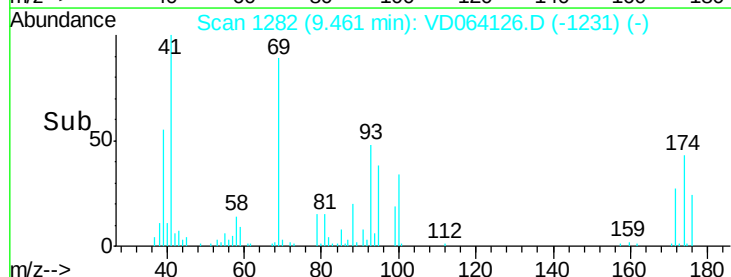
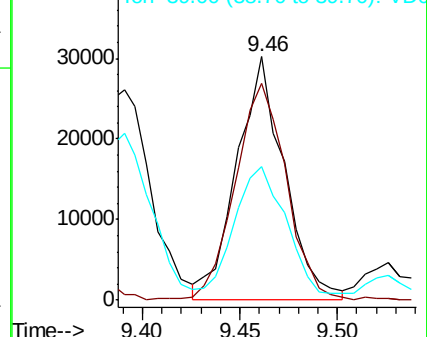
41 100

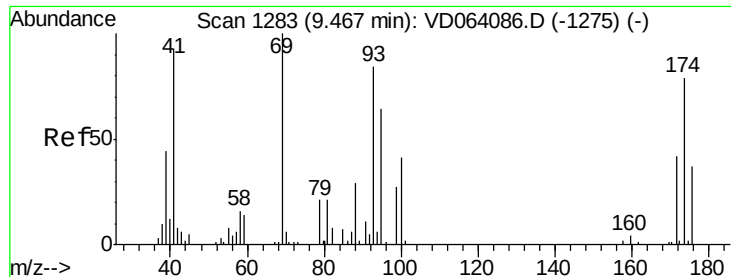
69 95.4 82.6 124.0

39 54.8 47.0 70.4



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC





#49

1,4-Dioxane

Concen: 1016.519 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

Instrument :
MSVOA_D
ClientSampled :

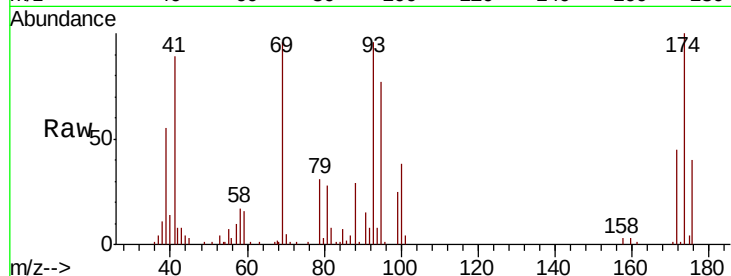
Tot Ion: 88 Resp: 14987

Ion Ratio Lower Upper

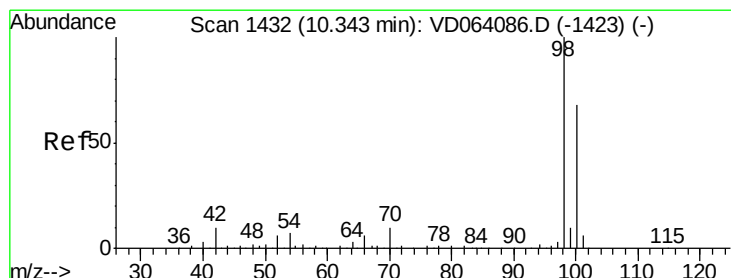
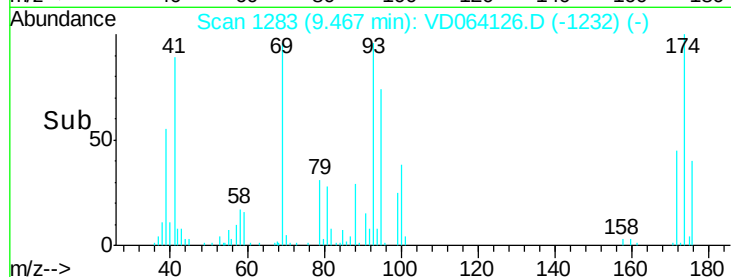
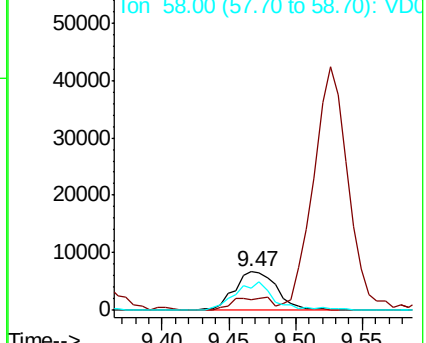
88 100

43 28.9 13.4 20.0#

58 64.5 46.7 70.1



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



#50

Toluene-d8

Concen: 50.519 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD064126.D

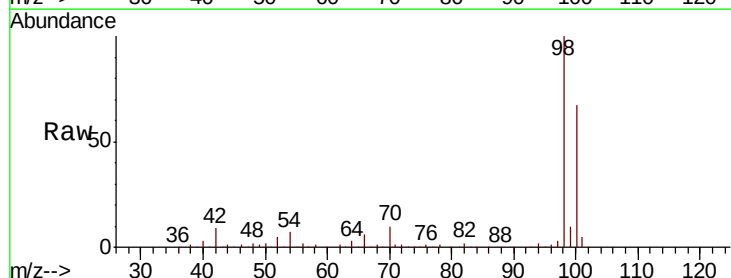
Acq: 31 Oct 2019 11:52

Tgt Ion: 98 Resp: 448890

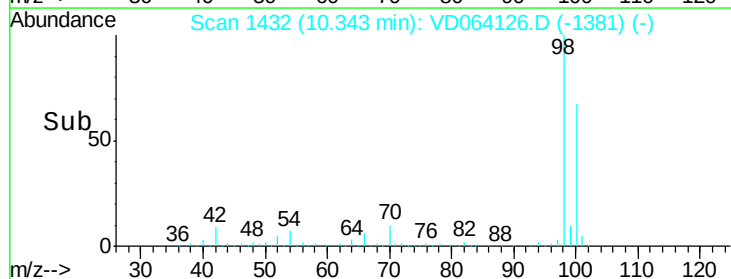
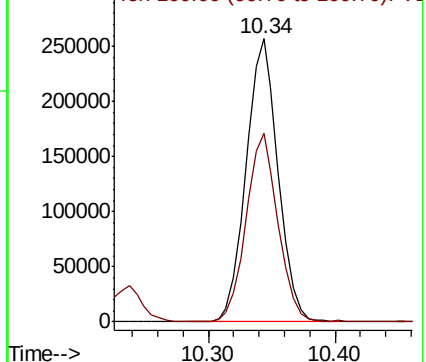
Ion Ratio Lower Upper

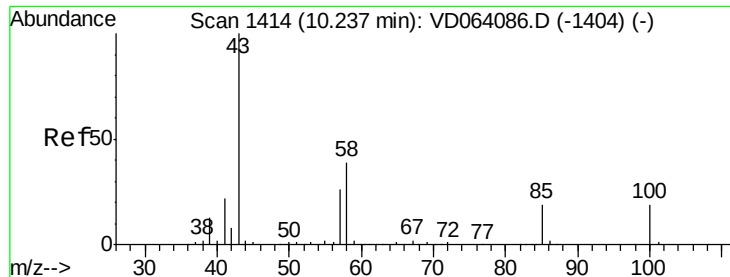
98 100

100 66.6 53.4 80.0



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

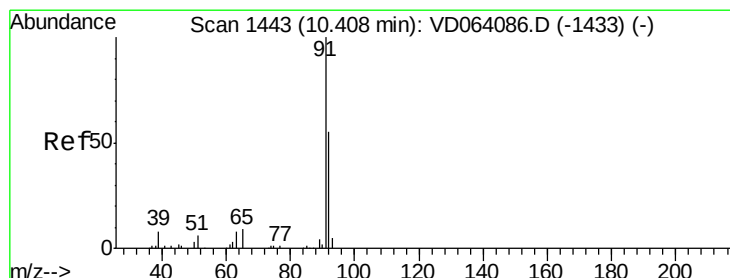
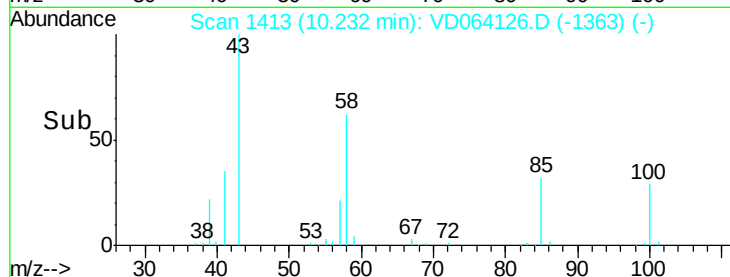
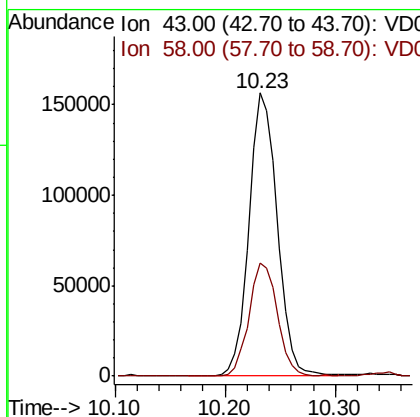
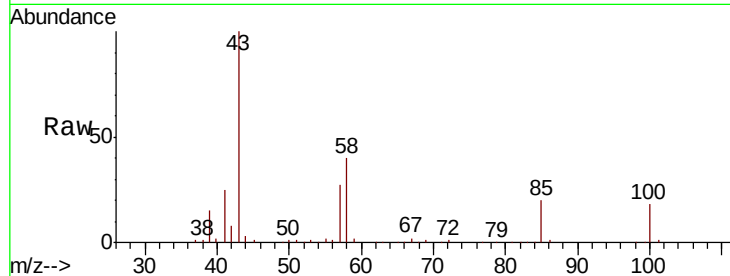




#51
 4-Methyl-2-Pentanone
 Concen: 246.666 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: VD064126.D
 Acq: 31 Oct 2019 11:52

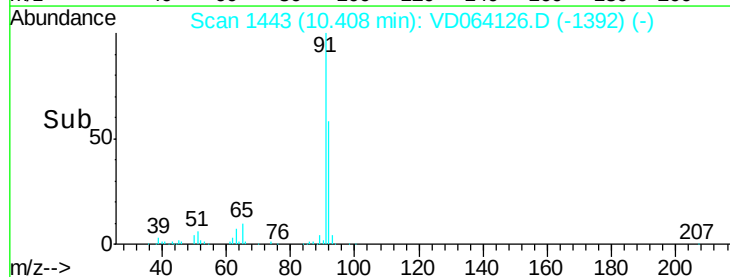
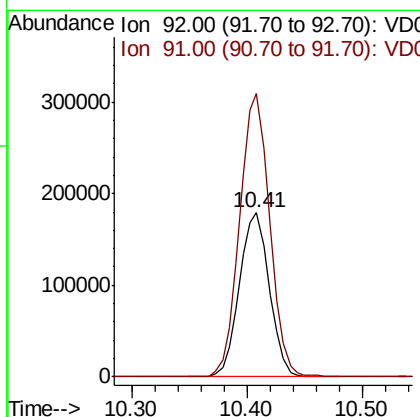
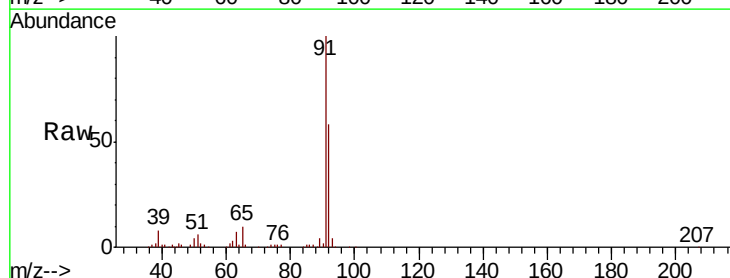
Instrument :
 MSVOA_D
 ClientSampleId :

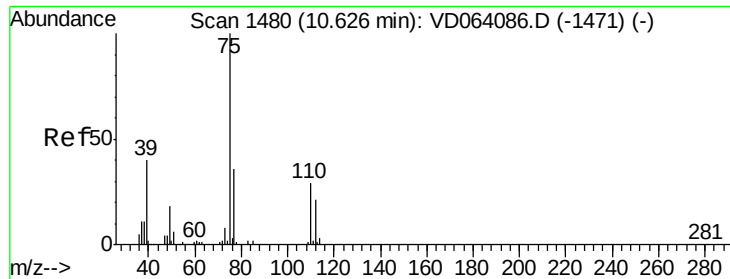
Tot Ion: 43 Resp: 282673
 Ion Ratio Lower Upper
 43 100
 58 40.5 33.0 49.4



#52
 Toluene
 Concen: 49.913 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD064126.D
 Acq: 31 Oct 2019 11:52

Tgt Ion: 92 Resp: 322790
 Ion Ratio Lower Upper
 92 100
 91 172.9 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 50.385 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

Instrument :

MSVOA_D

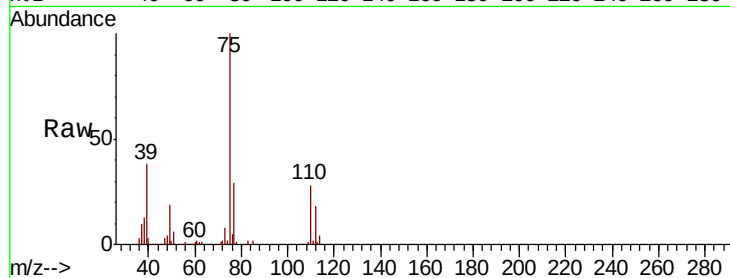
ClientSampleId :

Tot Ion: 75 Resp: 152826

Ion Ratio Lower Upper

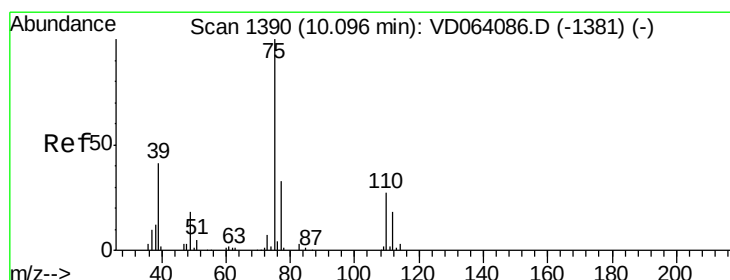
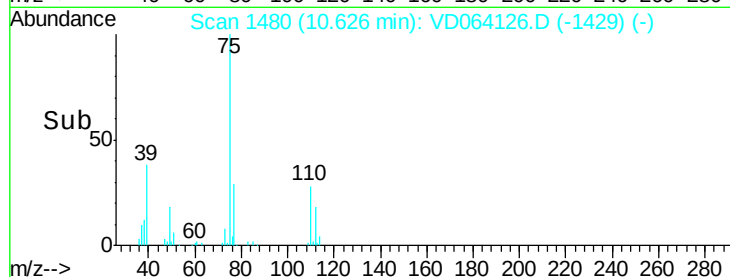
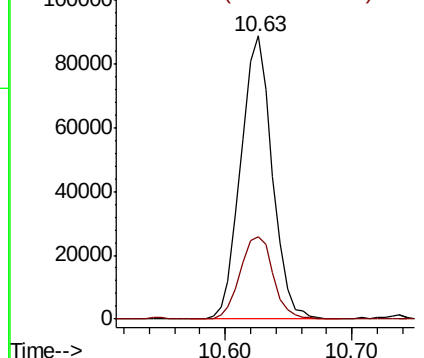
75 100

77 29.0 28.7 43.1



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 49.563 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

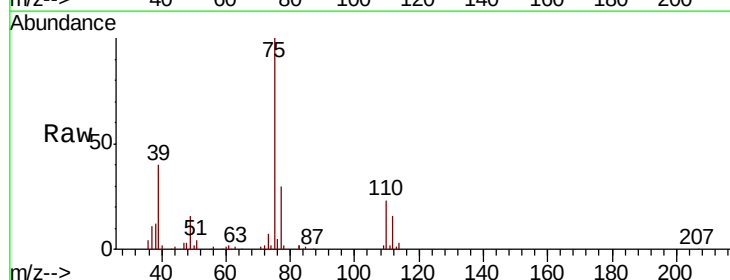
Tgt Ion: 75 Resp: 176869

Ion Ratio Lower Upper

75 100

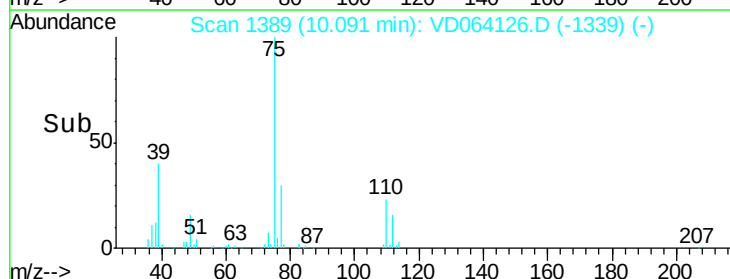
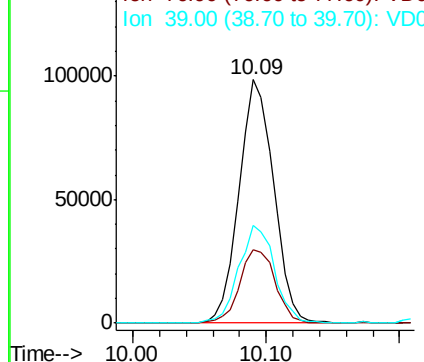
77 30.3 26.8 40.2

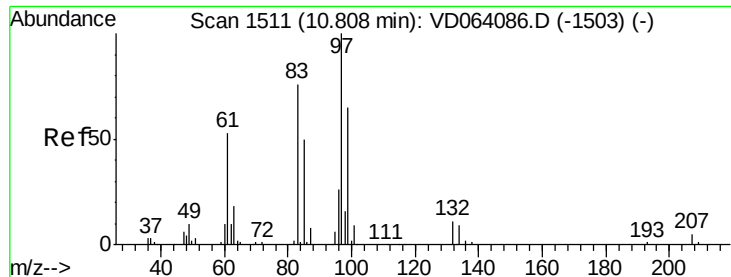
39 39.9 32.7 49.1



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC





#55

1,1,2-Trichloroethane

Concen: 46.435 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 84796

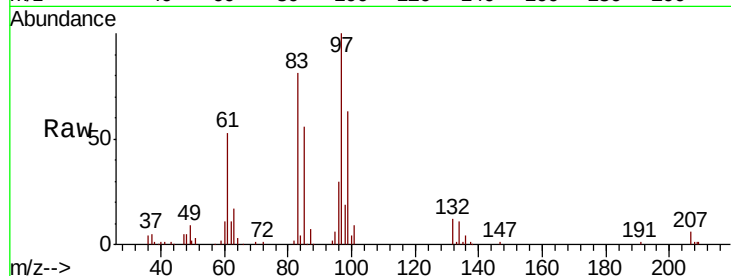
Ion	Ratio	Lower	Upper
97	100		
83	81.1	60.9	91.3
85	56.5	40.2	60.2
99	63.5	51.9	77.9

97 100

83 81.1 60.9 91.3

85 56.5 40.2 60.2

99 63.5 51.9 77.9

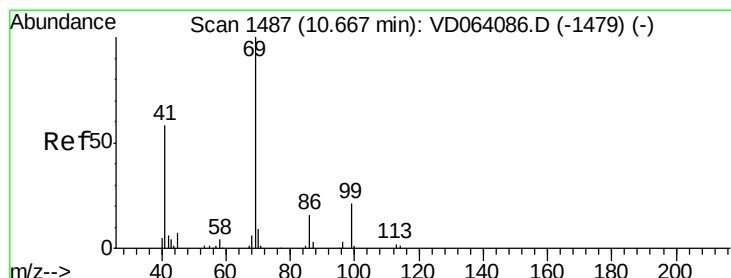
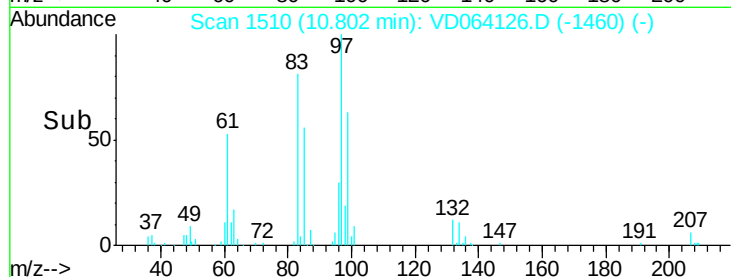
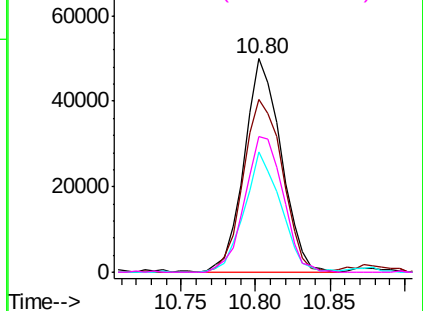


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 46.036 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

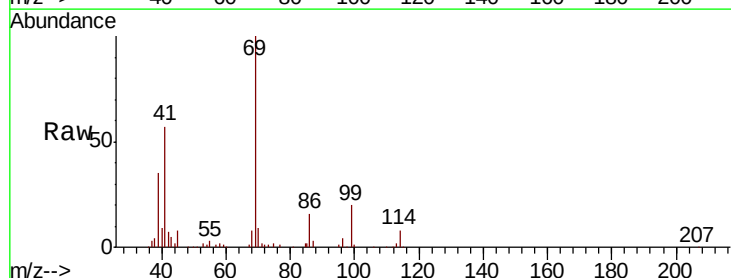
Tgt Ion: 69 Resp: 101615

Ion	Ratio	Lower	Upper
69	100		
41	57.8	46.9	70.3
39	32.6	27.3	40.9

69 100

41 57.8 46.9 70.3

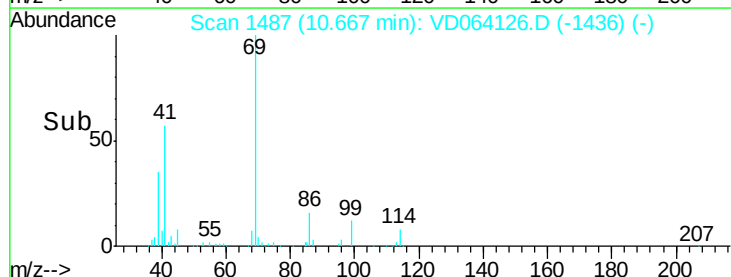
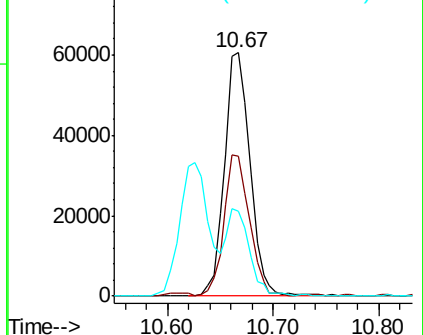
39 32.6 27.3 40.9

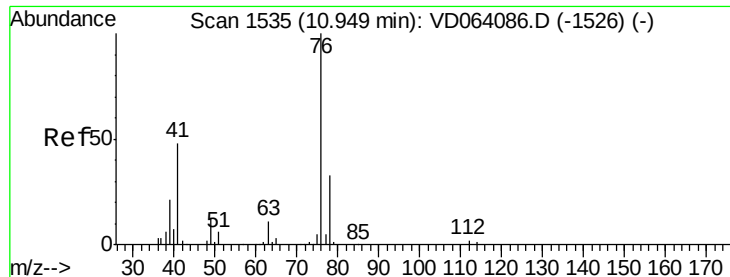


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 49.009 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

Instrument :

MSVOA_D

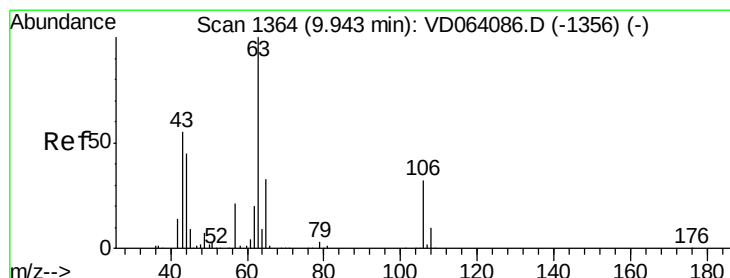
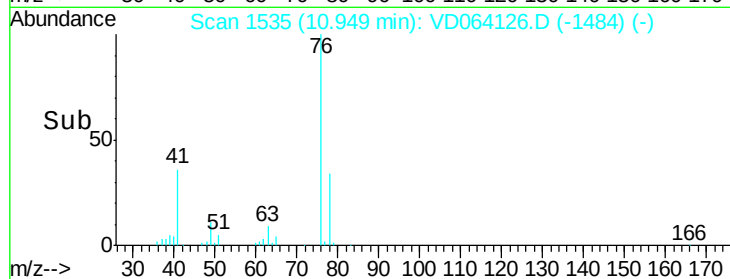
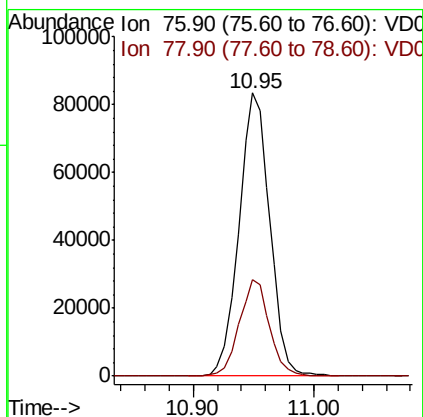
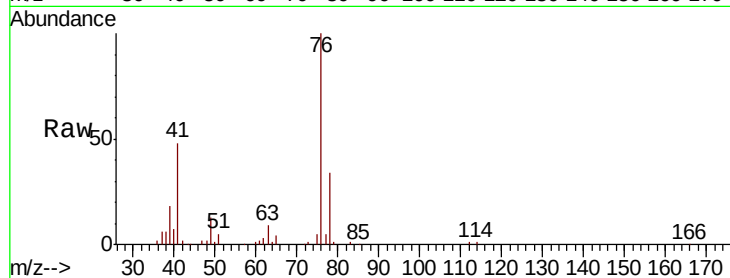
ClientSampleId :

Tot Ion: 76 Resp: 148014

Ion Ratio Lower Upper

76 100

78 33.1 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 270.929 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064126.D

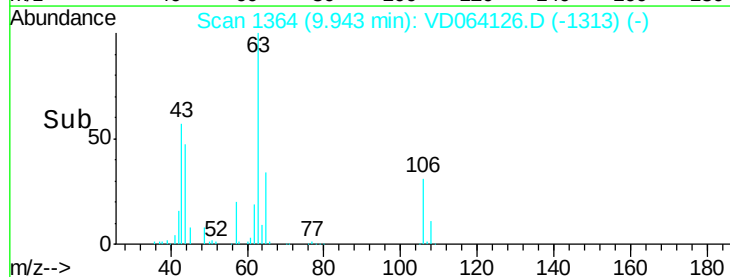
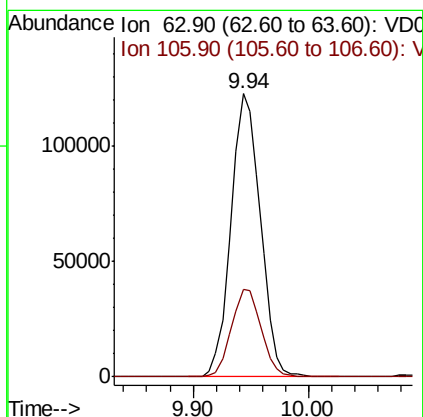
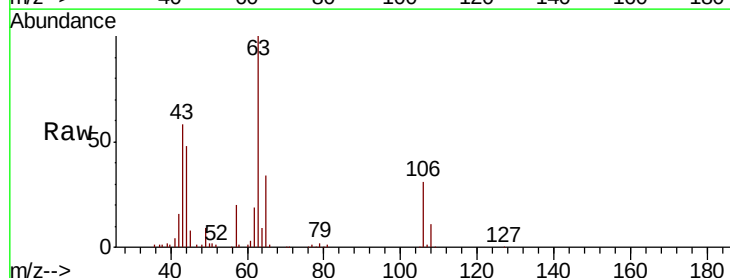
Acq: 31 Oct 2019 11:52

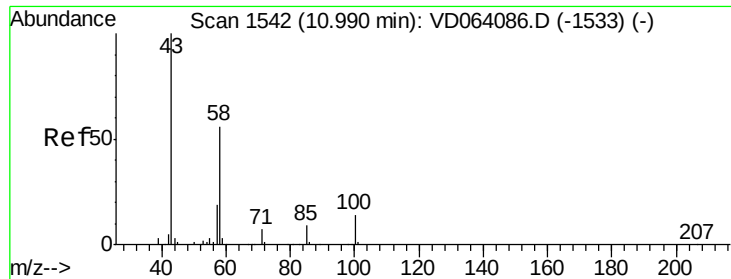
Tgt Ion: 63 Resp: 216754

Ion Ratio Lower Upper

63 100

106 31.1 25.8 38.8

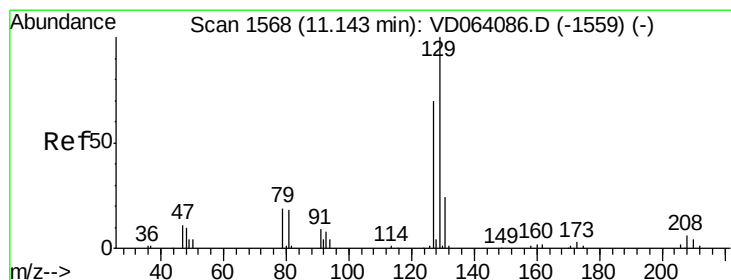
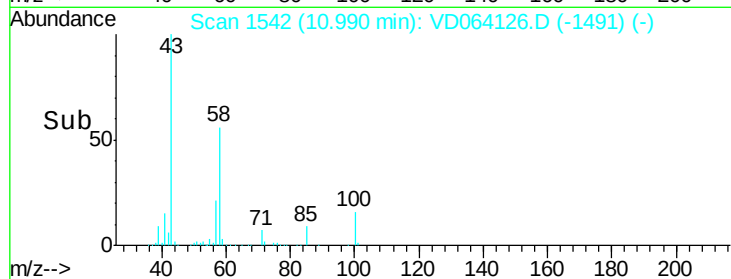
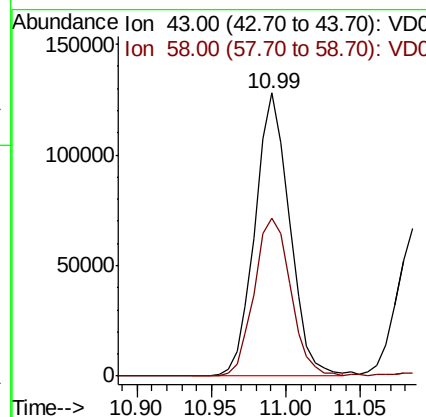
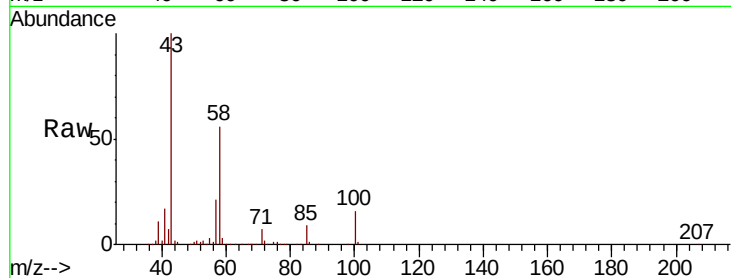




#59
2-Hexanone
Concen: 229.345 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

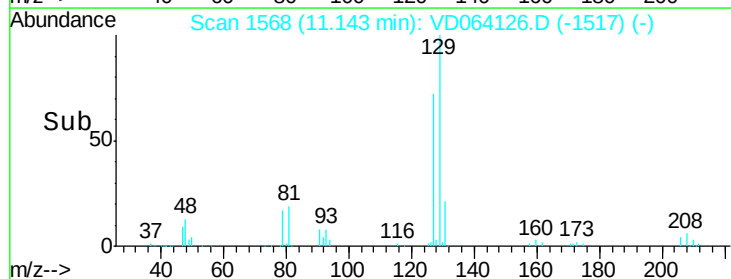
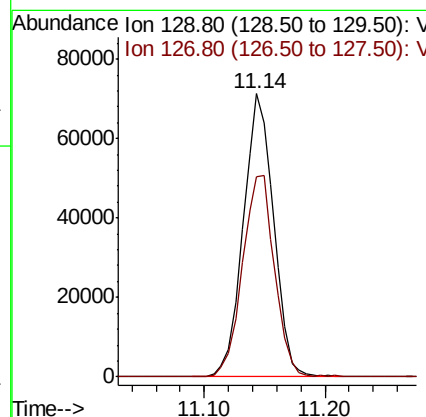
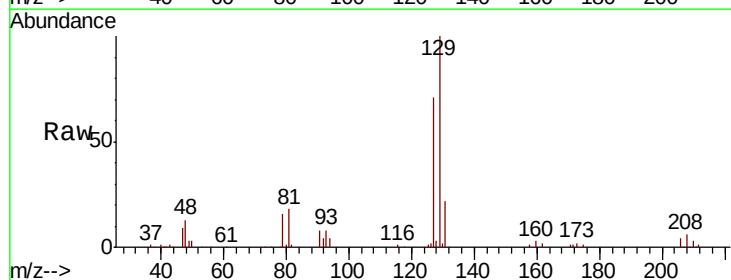
Instrument :
MSVOA_D
ClientSampled :

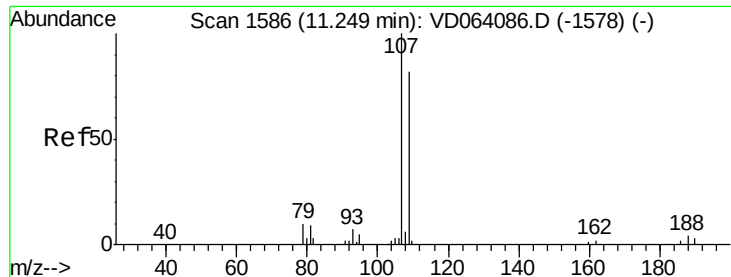
Tot Ion: 43 Resp: 205331
Ion Ratio Lower Upper
43 100
58 58.8 29.2 87.6



#60
Dibromochloromethane
Concen: 50.368 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

Tgt Ion:129 Resp: 124841
Ion Ratio Lower Upper
129 100
127 75.3 38.3 114.8

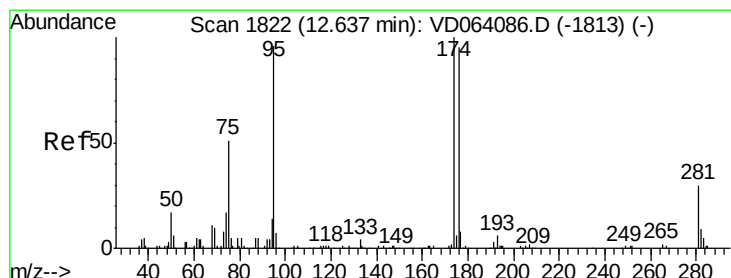
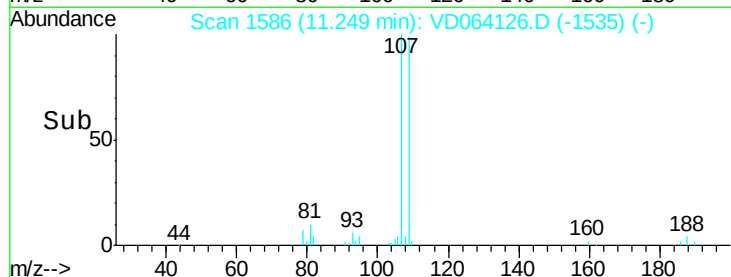
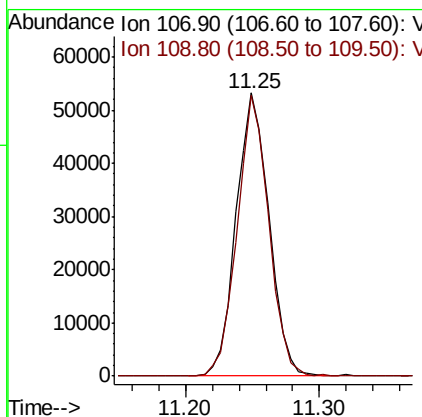
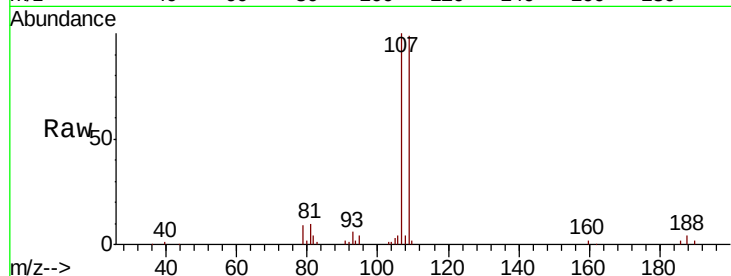




#61
 1,2-Dibromoethane
 Concen: 49.662 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064126.D
 Acq: 31 Oct 2019 11:52

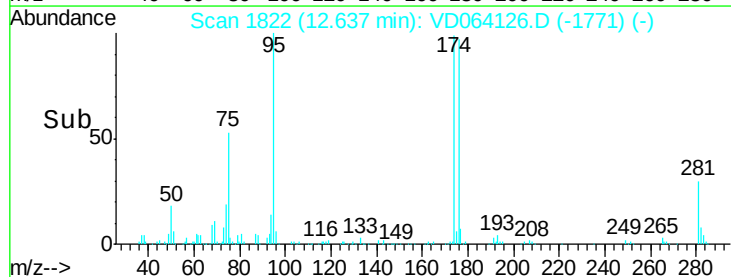
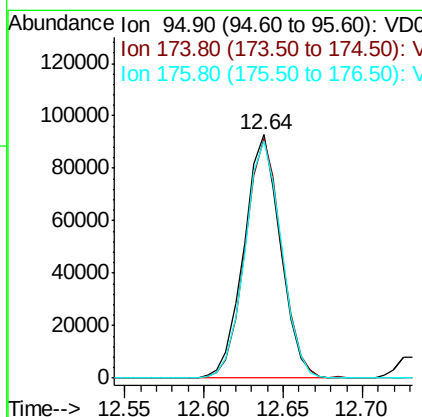
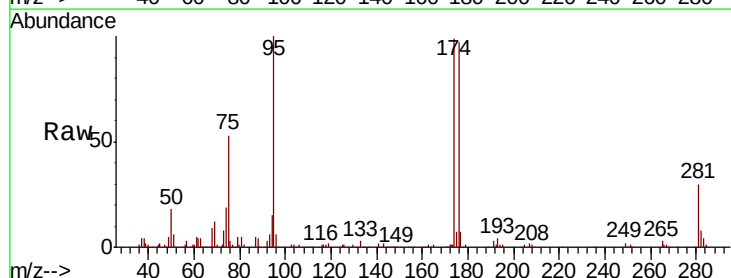
Instrument :
 MSVOA_D
 ClientSampleId :

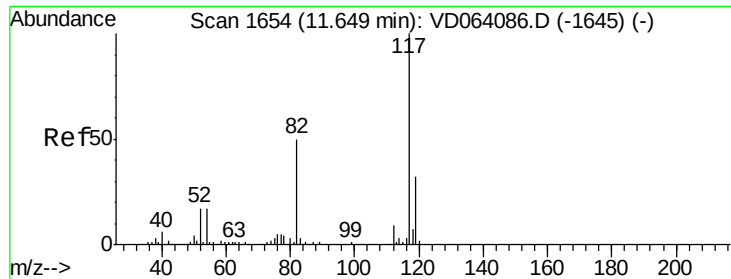
Tot Ion: 107 Resp: 90704
 Ion Ratio Lower Upper
 107 100
 109 95.0 73.0 109.4



#62
 4-Bromofluorobenzene
 Concen: 50.571 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064126.D
 Acq: 31 Oct 2019 11:52

Tgt Ion: 95 Resp: 148973
 Ion Ratio Lower Upper
 95 100
 174 97.5 0.0 201.6
 176 97.3 0.0 192.6

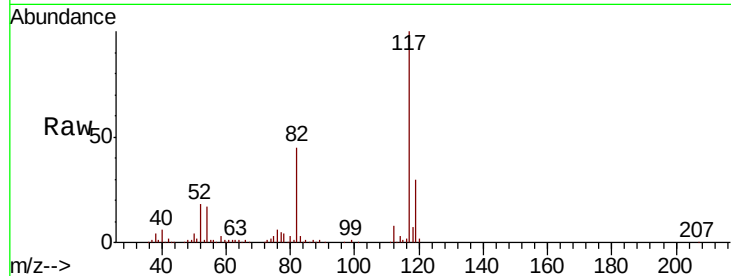




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	45.3	40.2	60.4
119	30.1	26.0	39.0

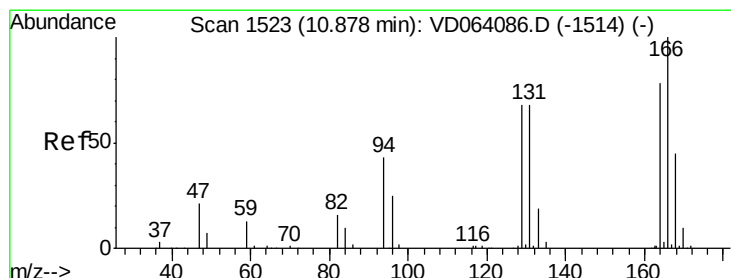
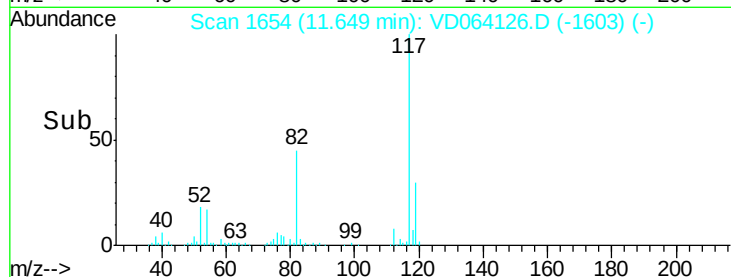
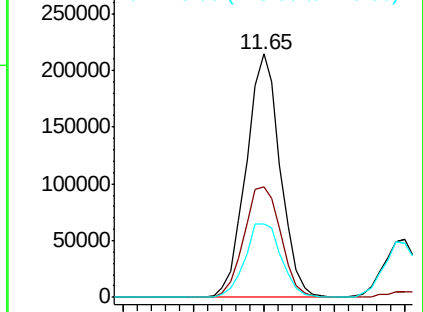


Abundance

Ion 116.90 (116.60 to 117.60): V

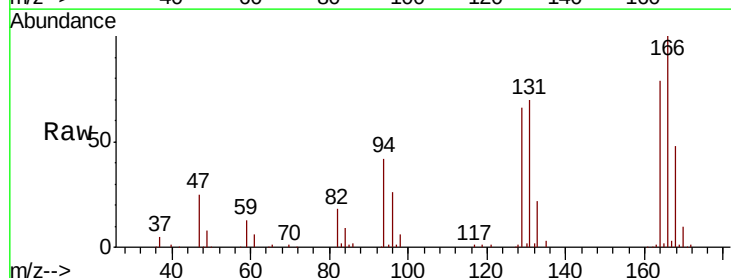
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 48.402 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.7	102.7	154.1
129	83.6	69.8	104.6
131	89.1	69.4	104.0



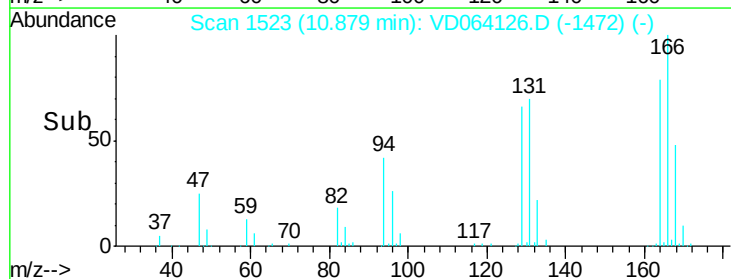
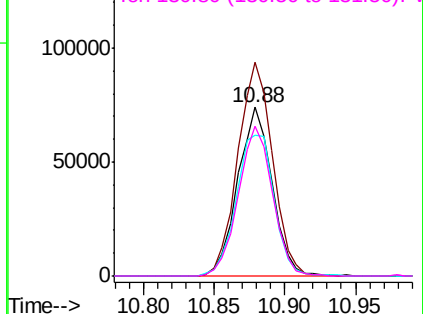
Abundance

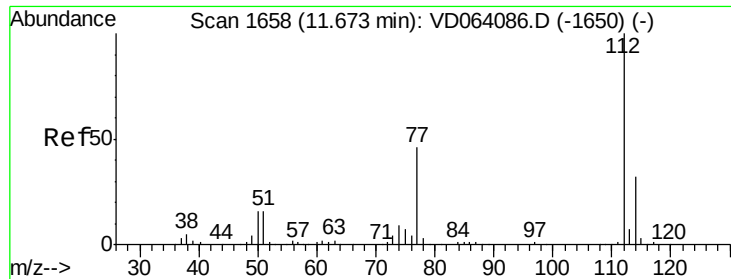
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

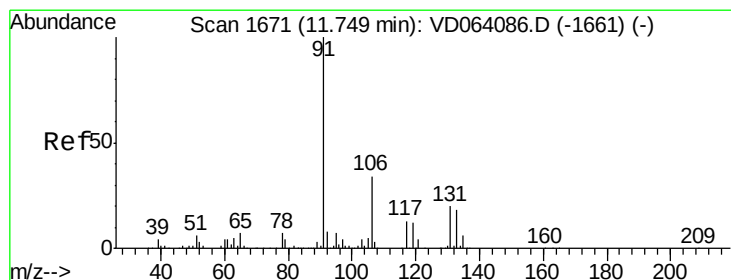
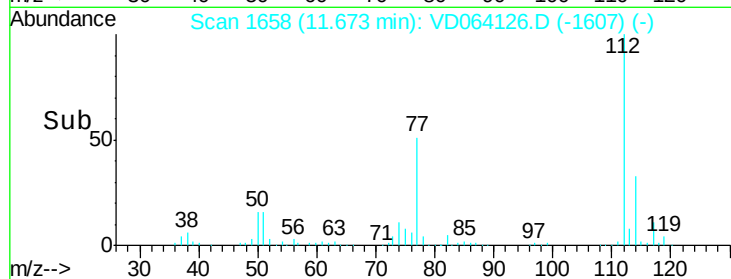
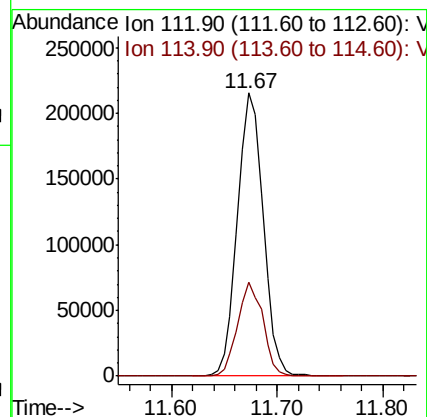
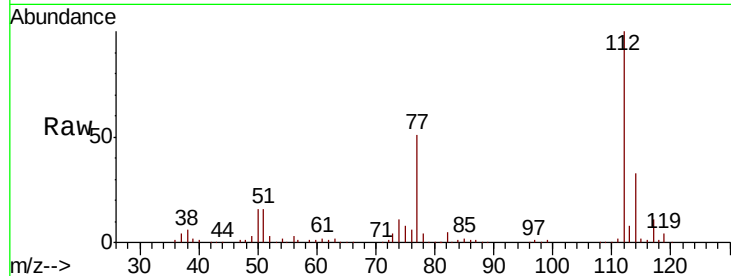




#65
Chlorobenzene
Concen: 48.453 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

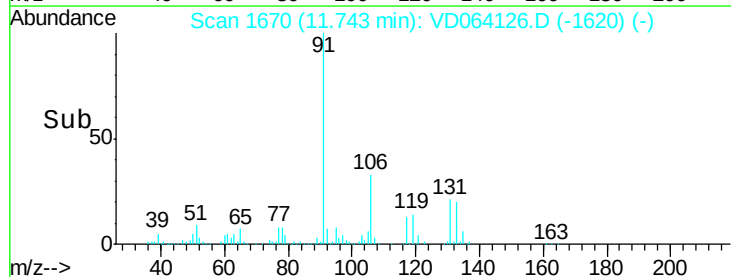
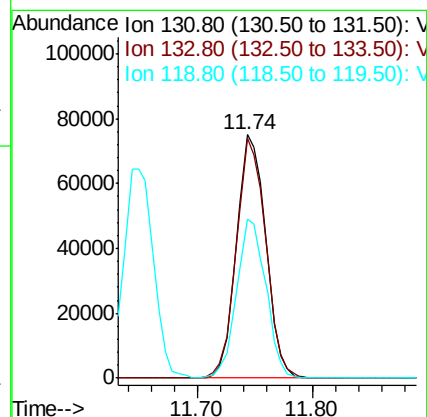
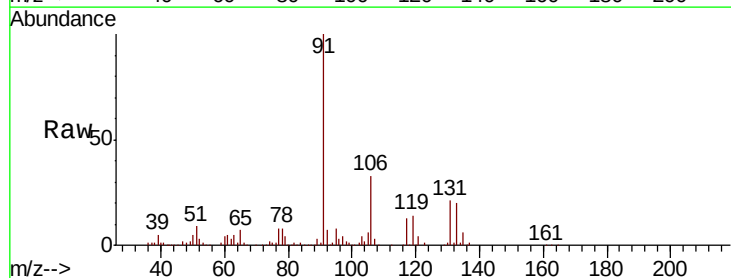
Instrument :
MSVOA_D
ClientSampleId :

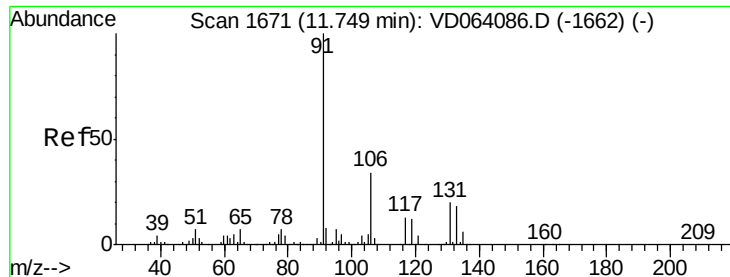
Tot Ion:112 Resp: 363172
Ion Ratio Lower Upper
112 100
114 33.3 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 47.230 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

Tgt Ion:131 Resp: 132462
Ion Ratio Lower Upper
131 100
133 98.4 47.6 142.9
119 65.0 31.4 94.3

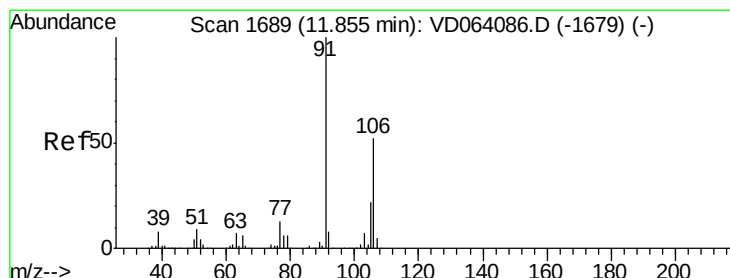
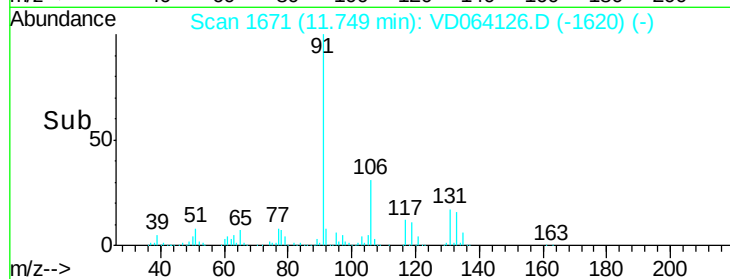
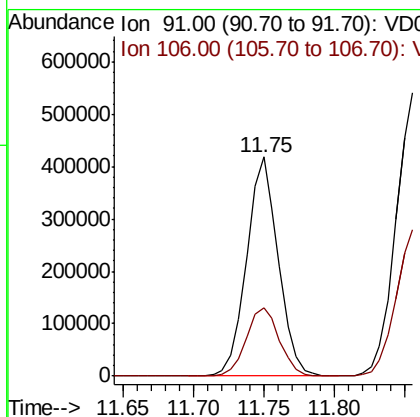
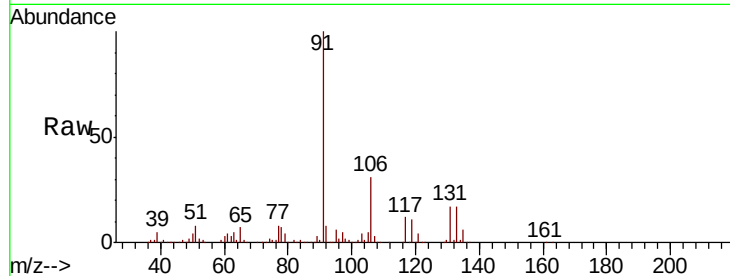




#67
Ethyl Benzene
Concen: 49.104 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

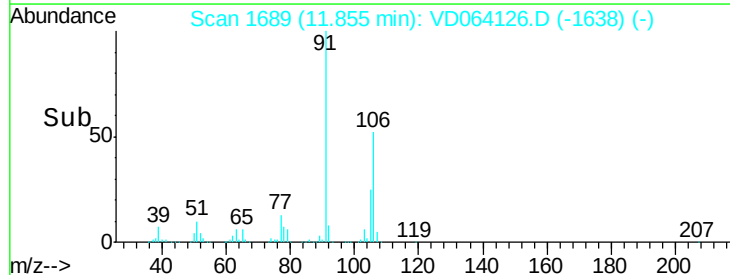
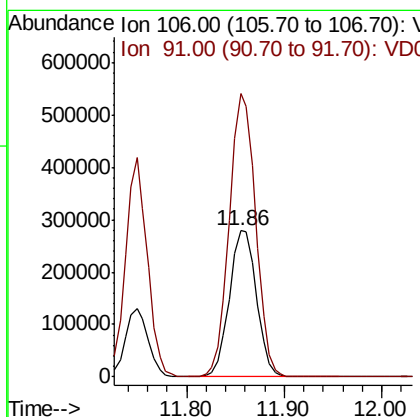
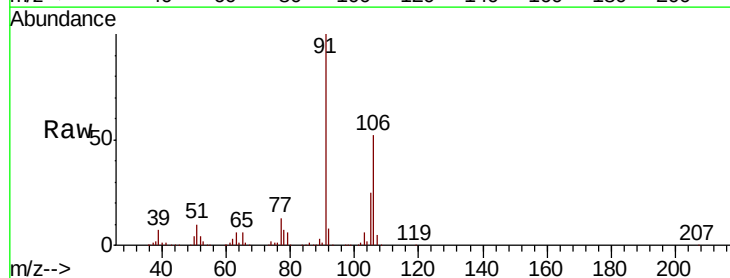
Instrument :
MSVOA_D
ClientSampled :

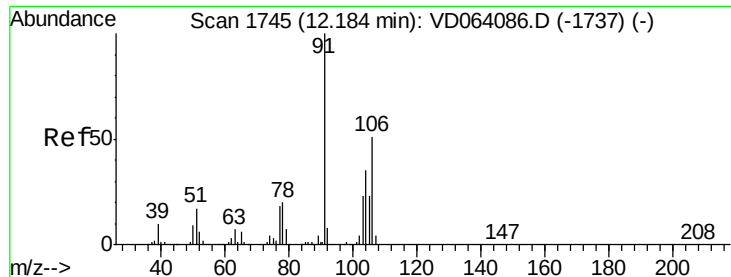
Tot Ion: 91 Resp: 654641
Ion Ratio Lower Upper
91 100
106 31.0 27.0 40.6



#68
m/p-Xylenes
Concen: 99.955 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

Tgt Ion: 106 Resp: 535998
Ion Ratio Lower Upper
106 100
91 189.2 154.0 231.0

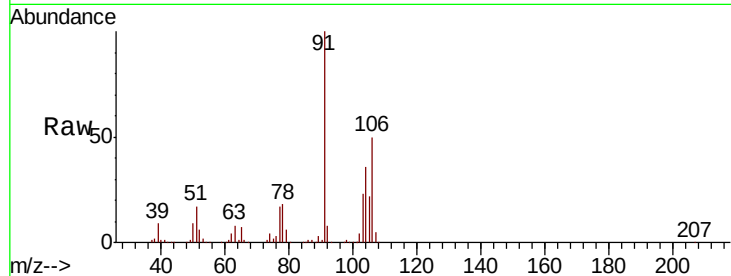




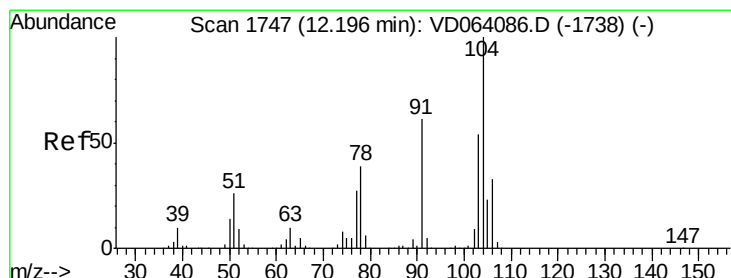
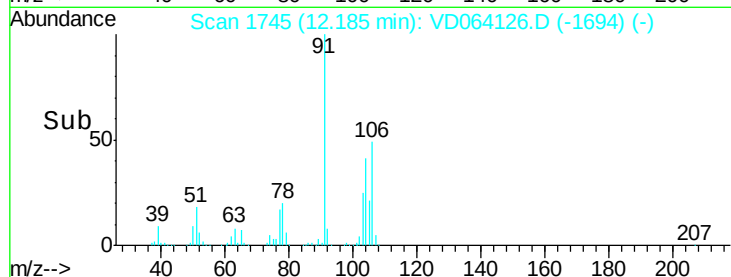
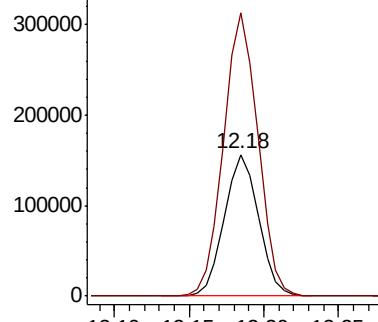
#69
o-Xylene
Concen: 50.608 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 247669
Ion Ratio Lower Upper
106 100
91 201.3 100.6 301.9

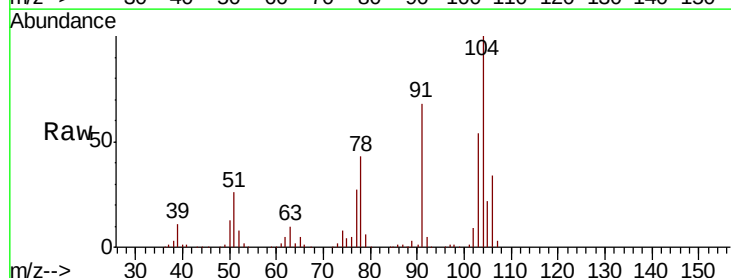


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

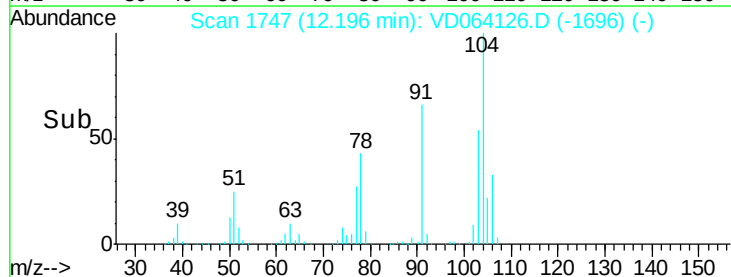
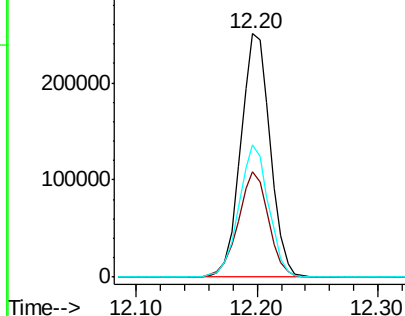


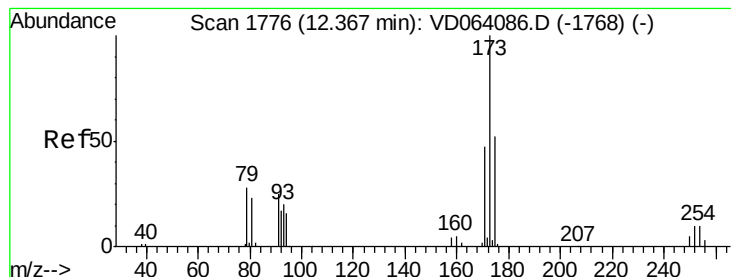
#70
Styrene
Concen: 50.325 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

Tgt Ion:104 Resp: 424764
Ion Ratio Lower Upper
104 100
78 44.6 34.6 51.8
103 55.3 44.2 66.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 48.815 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

Instrument :

MSVOA_D

ClientSampled :

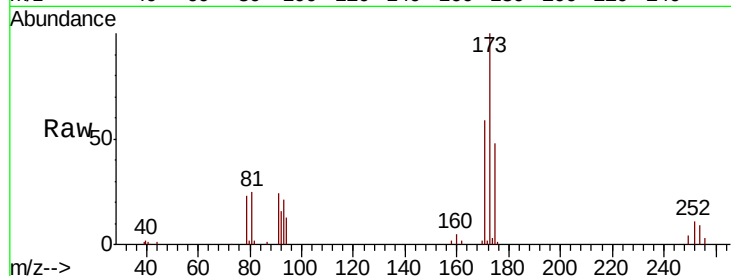
Tot Ion:173 Resp: 73118

Ion Ratio Lower Upper

173 100

175 49.9 24.3 72.9

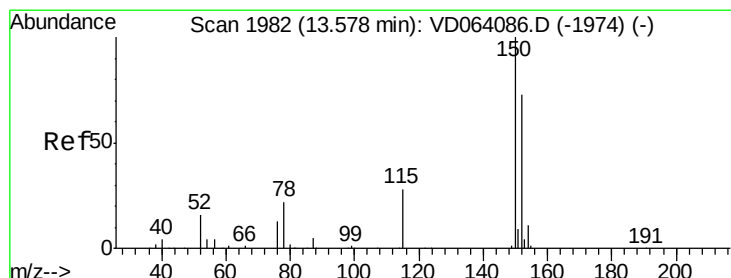
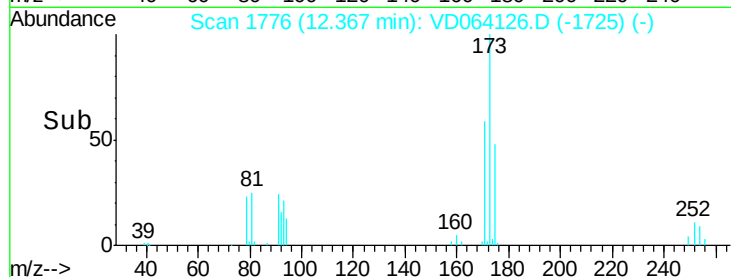
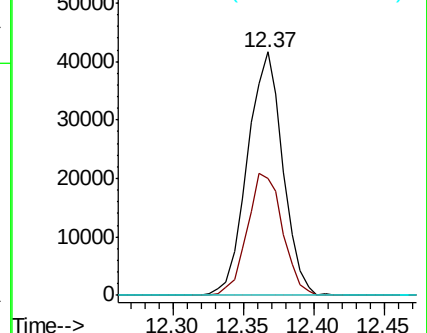
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

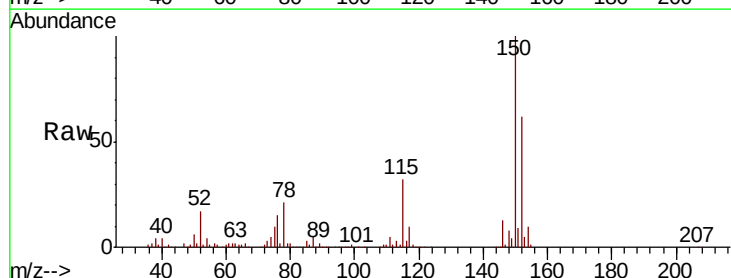
Tgt Ion:152 Resp: 205471

Ion Ratio Lower Upper

152 100

115 53.3 26.2 78.6

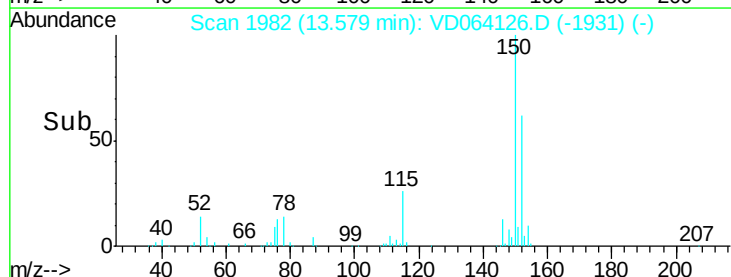
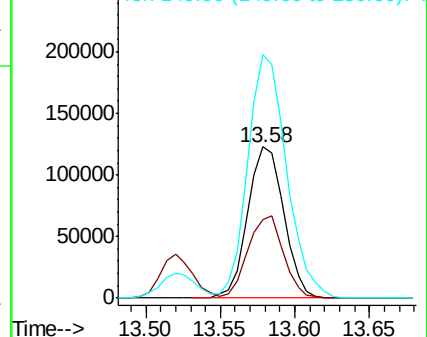
150 173.4 0.0 338.8

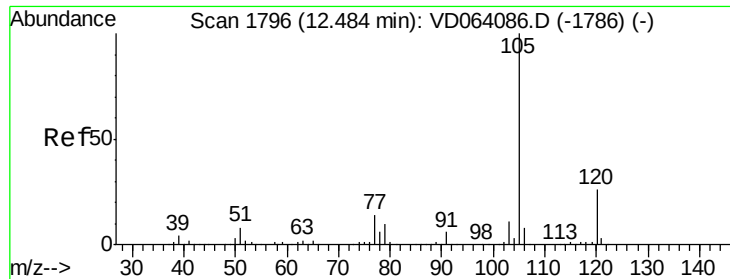


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.150 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

Instrument :

MSVOA_D

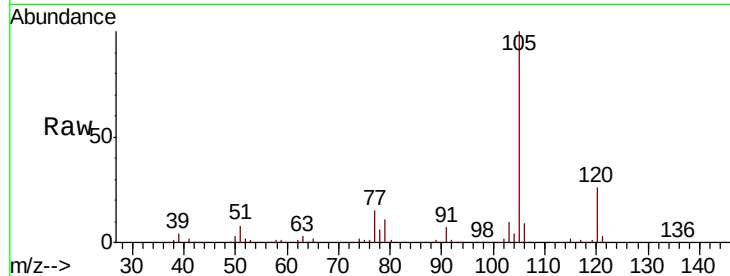
ClientSampled :

Tot Ion: 105 Resp: 687495

Ion Ratio Lower Upper

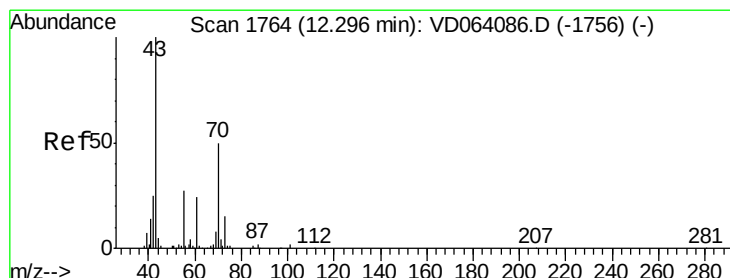
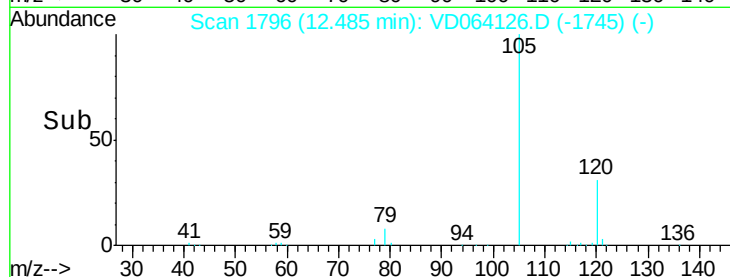
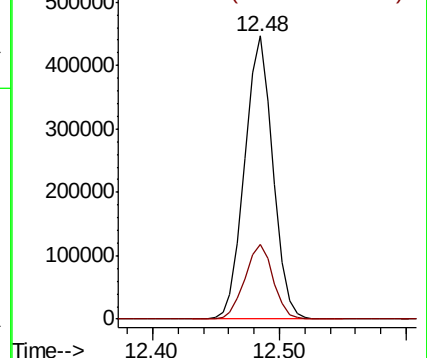
105 100

120 26.5 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.767 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

Tgt Ion: 43 Resp: 113304

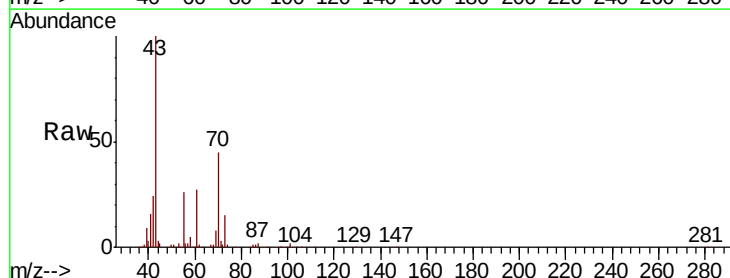
Ion Ratio Lower Upper

43 100

70 46.5 38.6 58.0

55 25.7 20.4 30.6

61 26.1 20.8 31.2

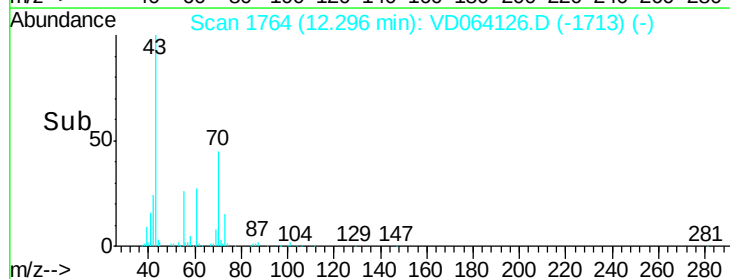
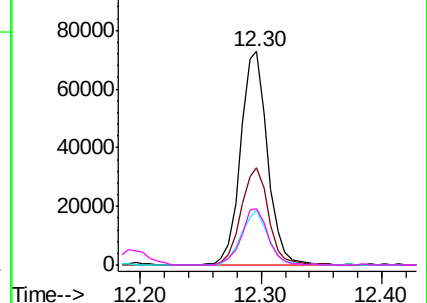


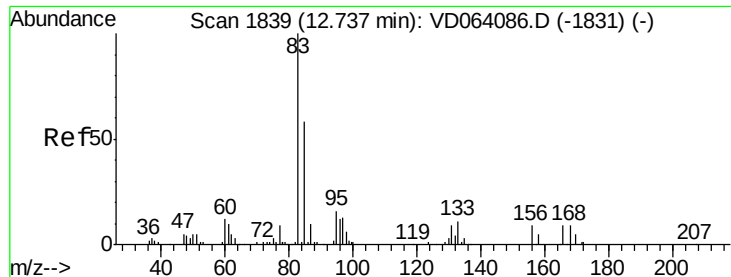
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 44.406 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

Instrument :

MSVOA_D

ClientSampleId :

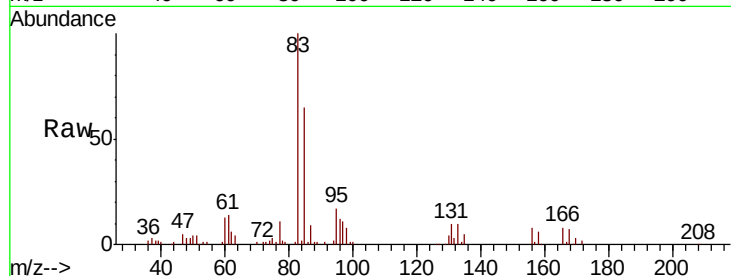
Tot Ion: 83 Resp: 99938

Ion Ratio Lower Upper

83 100

131 11.6 5.7 17.0

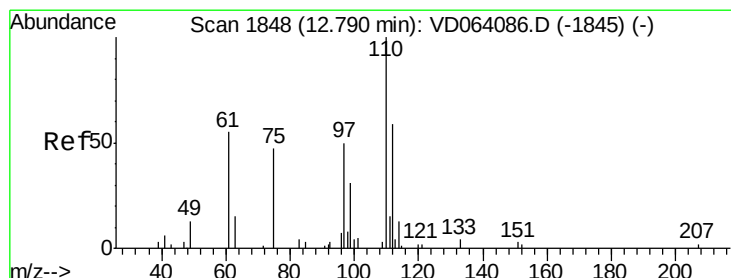
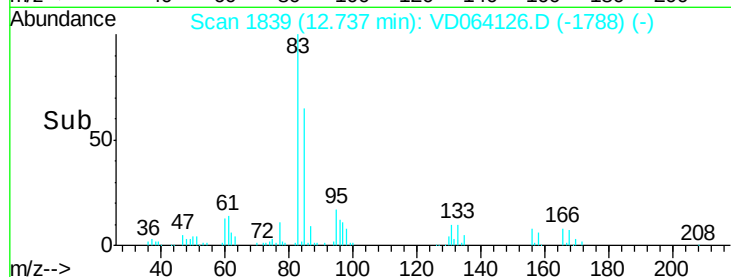
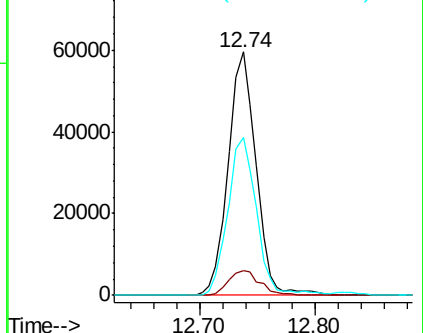
85 65.4 32.1 96.5



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: 93.850 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064126.D

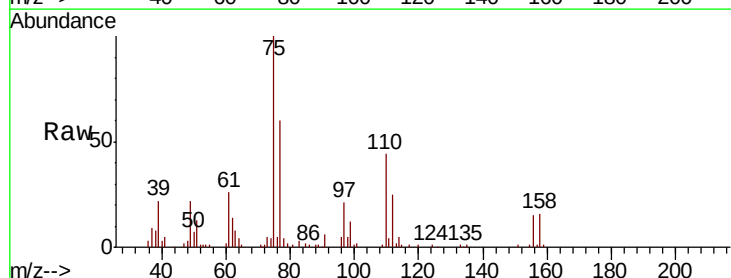
Acq: 31 Oct 2019 11:52

Tgt Ion: 75 Resp: 129574

Ion Ratio Lower Upper

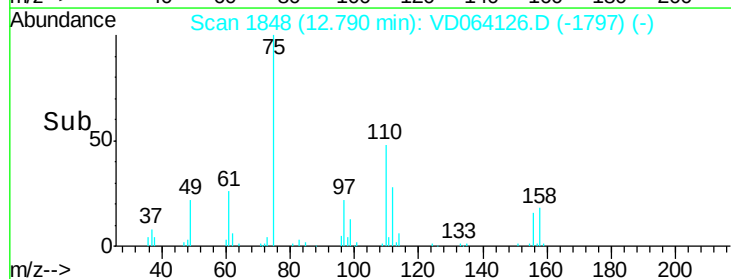
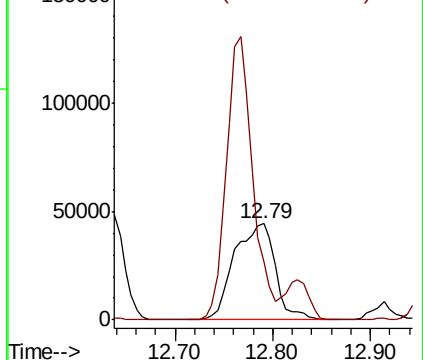
75 100

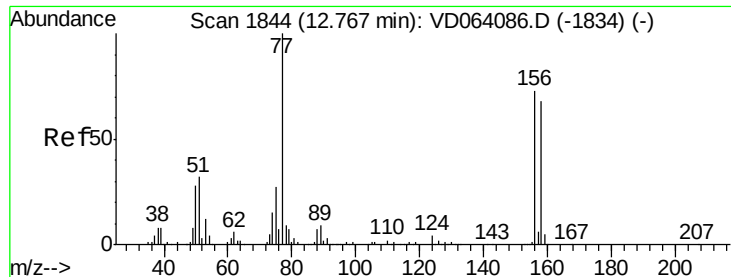
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 46.839 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

Instrument :

MSVOA_D

ClientSampleId :

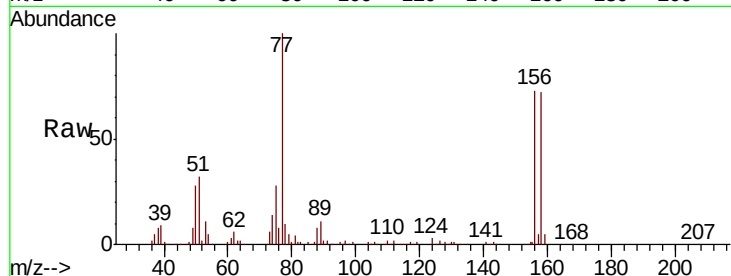
Tot Ion:156 Resp: 161471

Ion Ratio Lower Upper

156 100

77 151.2 76.0 228.0

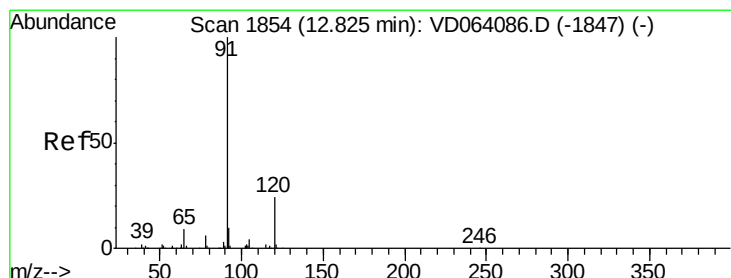
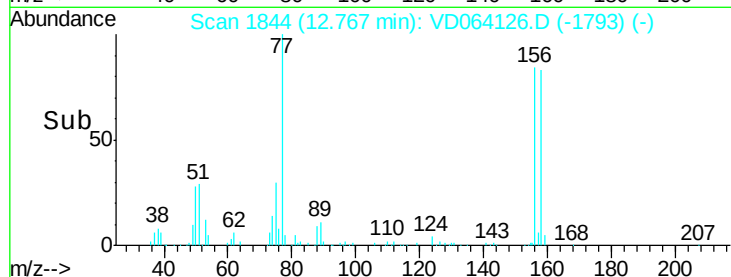
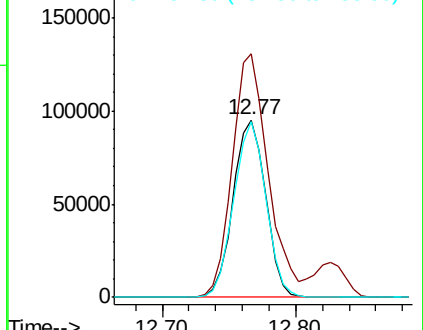
158 97.9 47.6 142.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.953 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064126.D

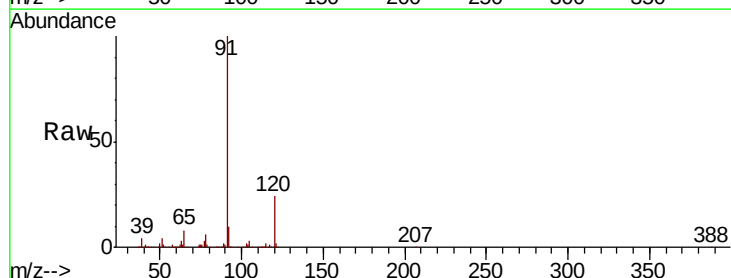
Acq: 31 Oct 2019 11:52

Tgt Ion: 91 Resp: 819104

Ion Ratio Lower Upper

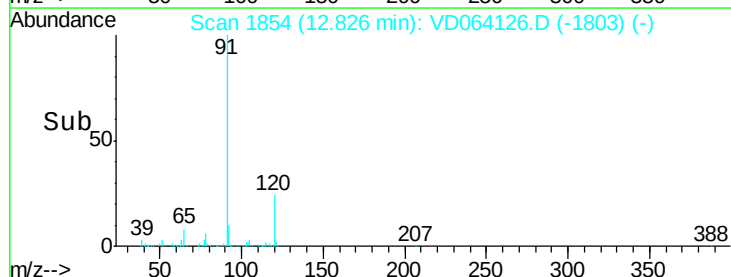
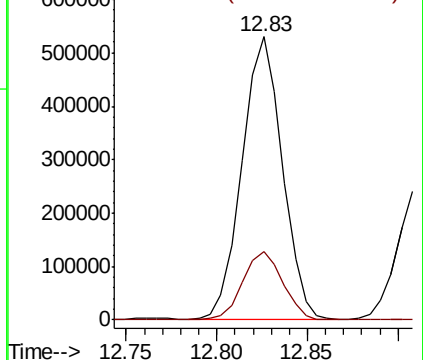
91 100

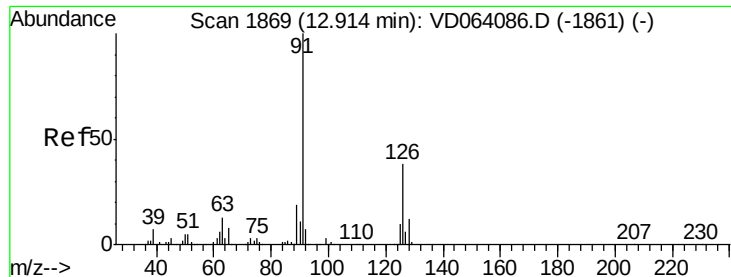
120 23.9 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.428 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

Instrument :

MSVOA_D

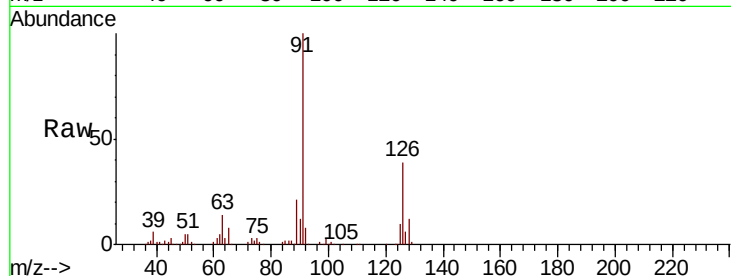
ClientSampled :

Tot Ion: 91 Resp: 425402

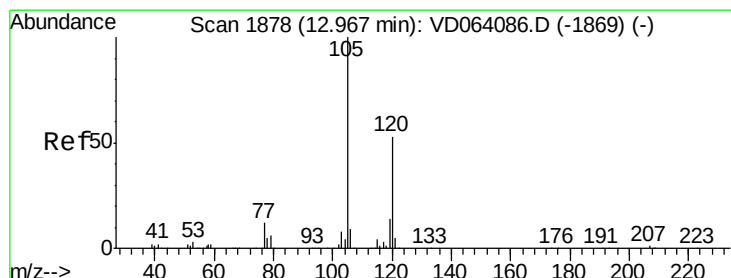
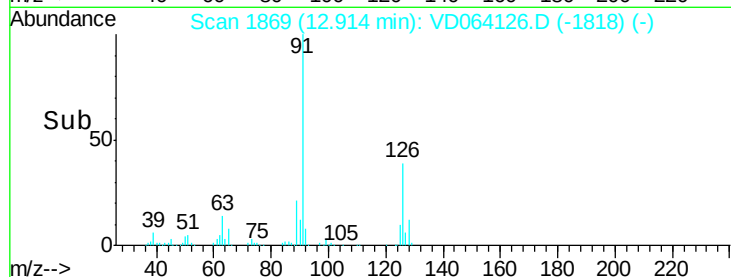
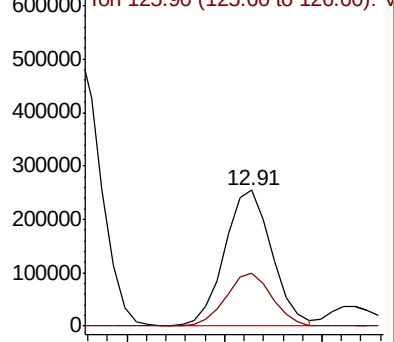
Ion Ratio Lower Upper

91 100

126 38.3 19.1 57.1



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 48.481 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064126.D

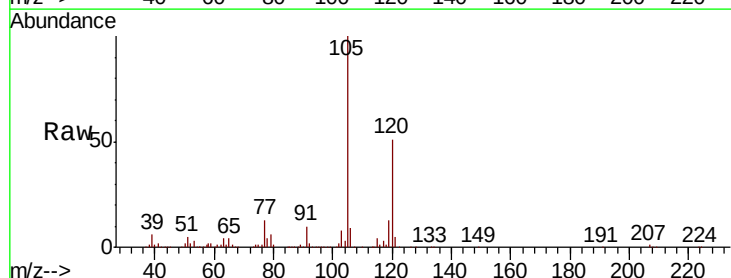
Acq: 31 Oct 2019 11:52

Tgt Ion:105 Resp: 579340

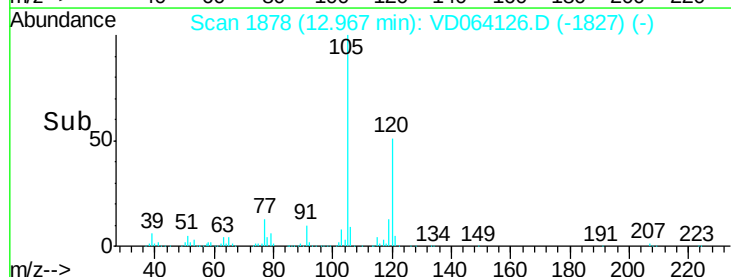
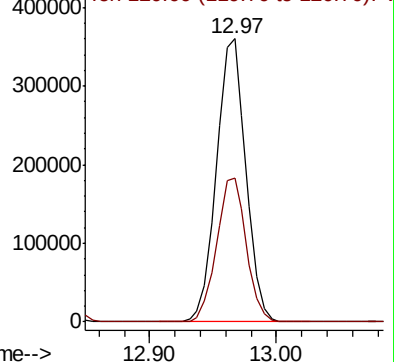
Ion Ratio Lower Upper

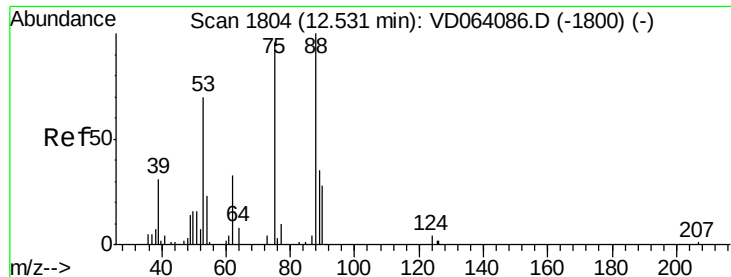
105 100

120 51.3 25.8 77.4



Abundance Ion 105.00 (104.70 to 105.70): V

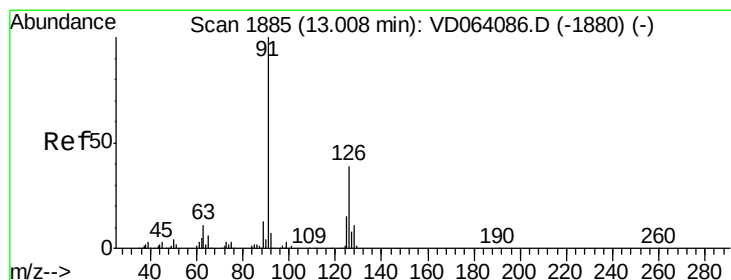
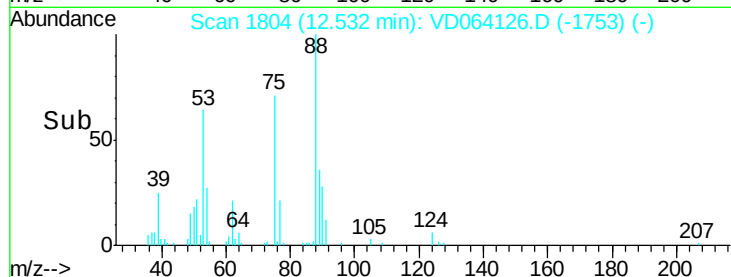
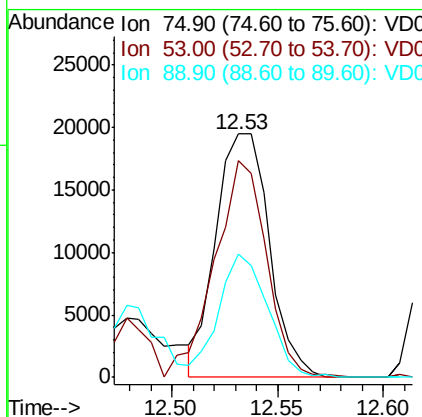
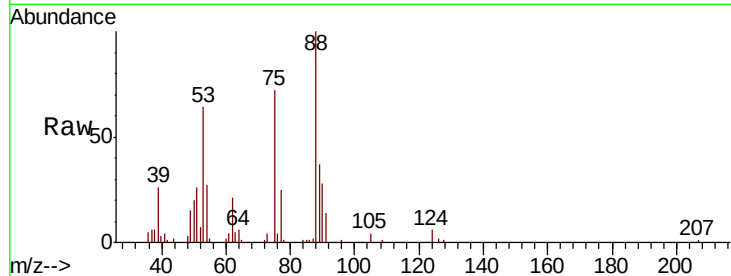




#81
trans-1,4-Dichloro-2-butene
Concen: 50.558 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

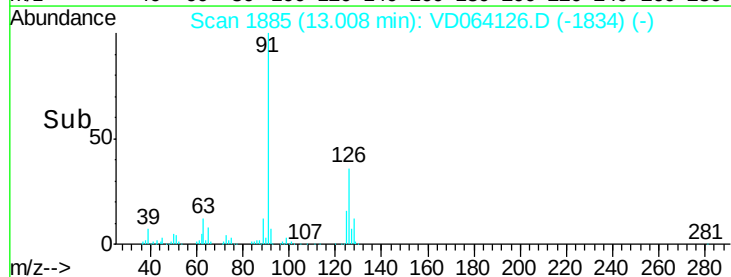
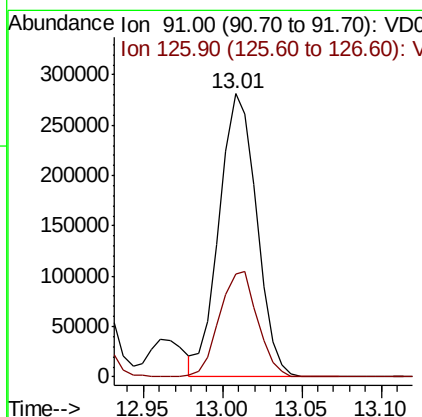
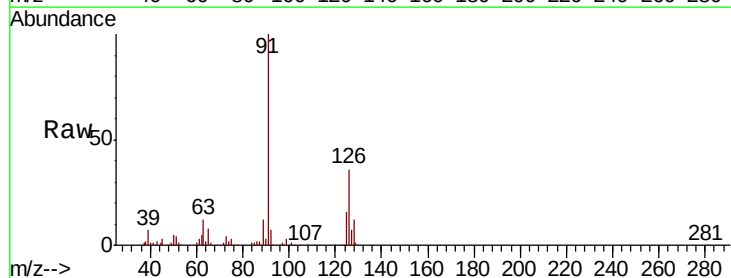
Instrument :
MSVOA_D
ClientSampleId :

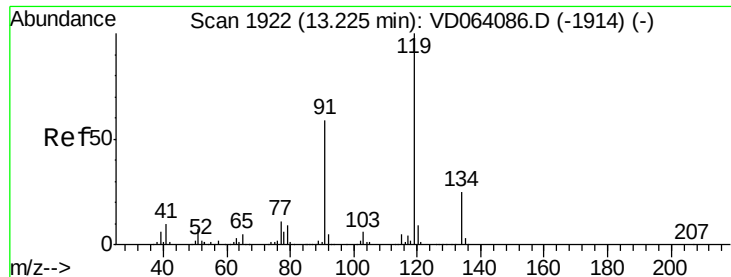
Tot Ion: 75 Resp: 34179
Ion Ratio Lower Upper
75 100
53 86.2 68.6 103.0
89 46.5 36.9 55.3



#82
4-Chlorotoluene
Concen: 48.203 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

Tgt Ion: 91 Resp: 461980
Ion Ratio Lower Upper
91 100
126 37.7 18.9 56.5

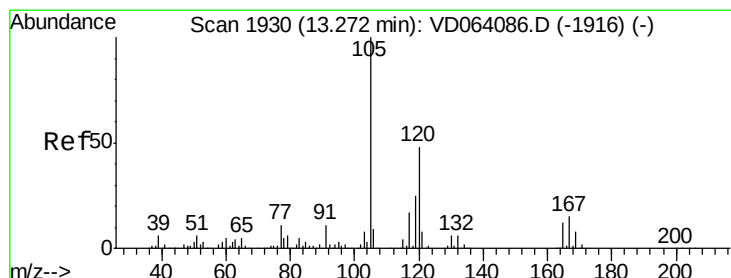
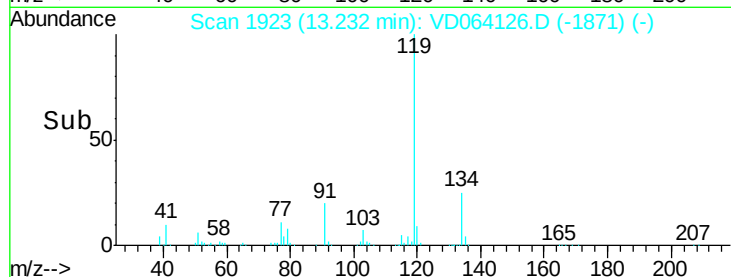
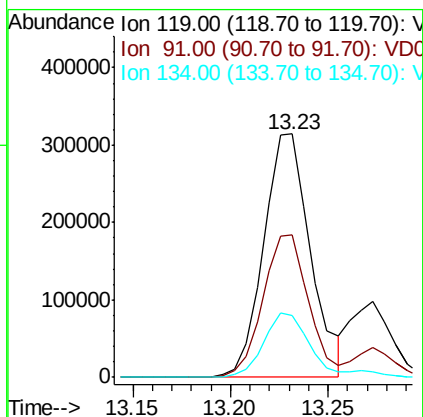
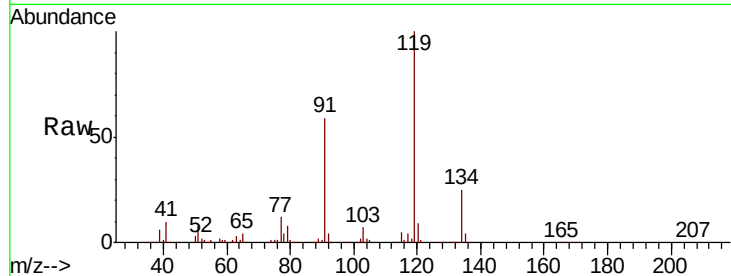




#83
 tert-Butylbenzene
 Concen: 48.701 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VD064126.D
 Acq: 31 Oct 2019 11:52

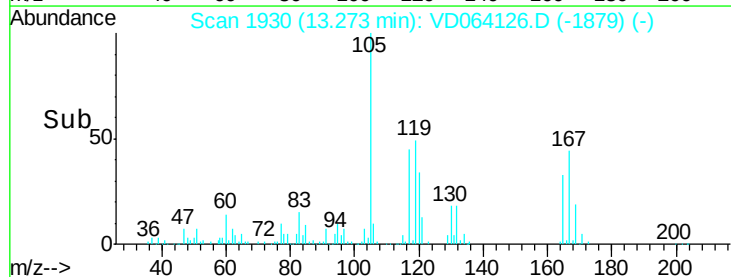
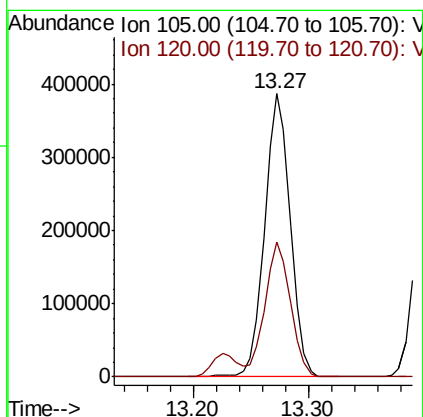
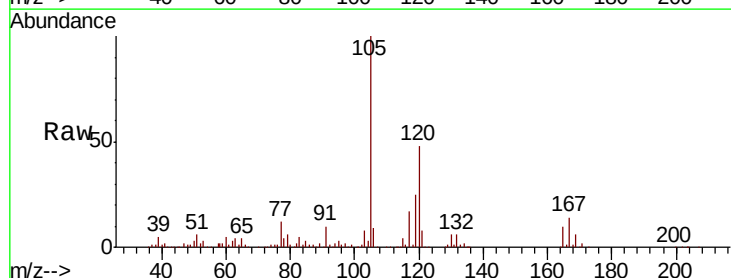
Instrument :
 MSVOA_D
 ClientSampleId :

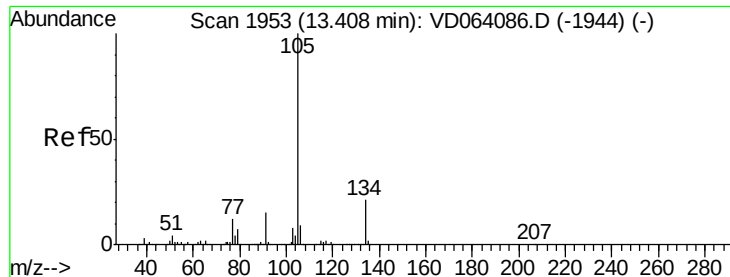
Tot Ion:119 Resp: 522712
 Ion Ratio Lower Upper
 119 100
 91 57.1 28.3 85.0
 134 27.2 12.9 38.6



#84
 1,2,4-Trimethylbenzene
 Concen: 49.823 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064126.D
 Acq: 31 Oct 2019 11:52

Tgt Ion:105 Resp: 598085
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.1 72.4





#85

sec-Butylbenzene

Concen: 49.977 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

Instrument :

MSVOA_D

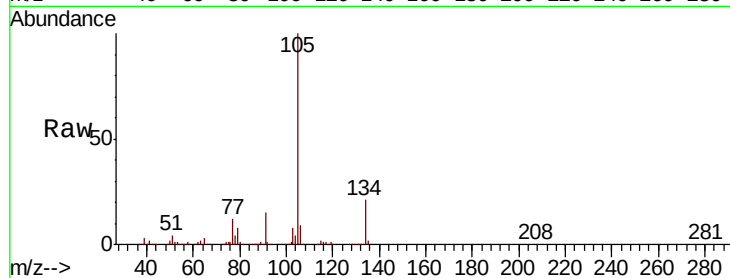
ClientSampled :

Tot Ion:105 Resp: 736631

Ion Ratio Lower Upper

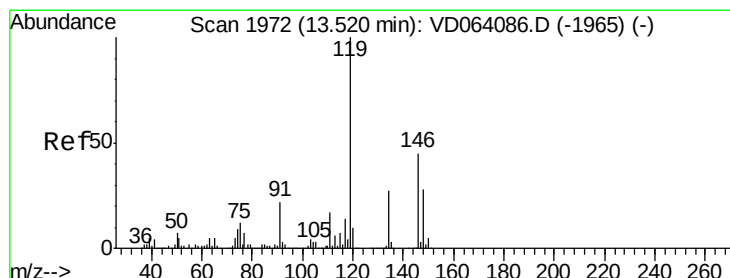
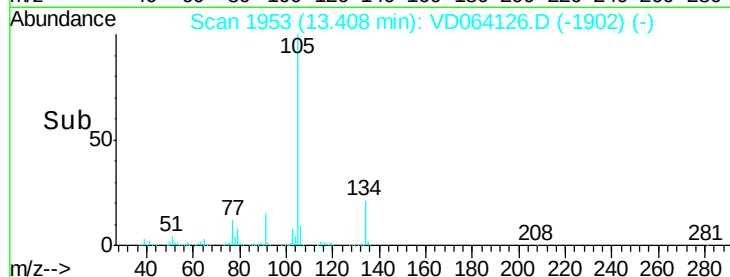
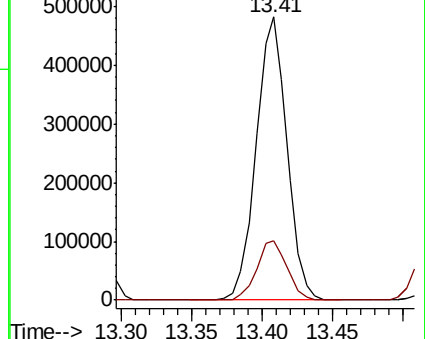
105 100

134 20.8 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.440 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

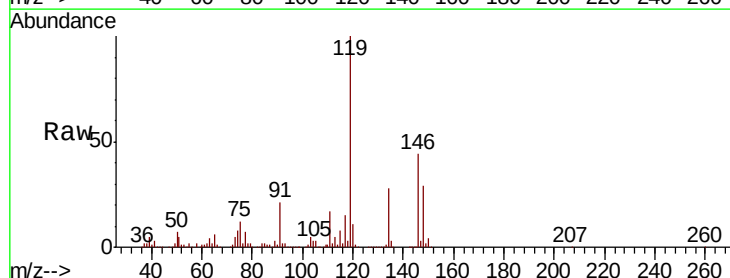
Tgt Ion:119 Resp: 698529

Ion Ratio Lower Upper

119 100

134 27.6 13.6 40.8

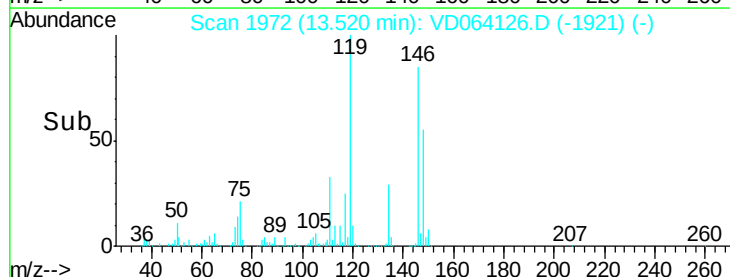
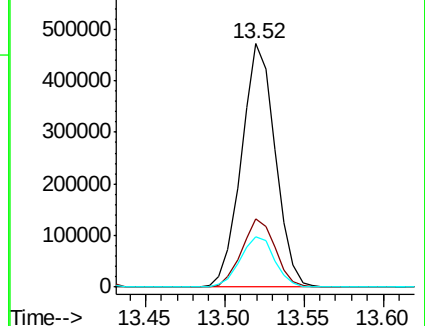
91 21.3 10.9 32.6

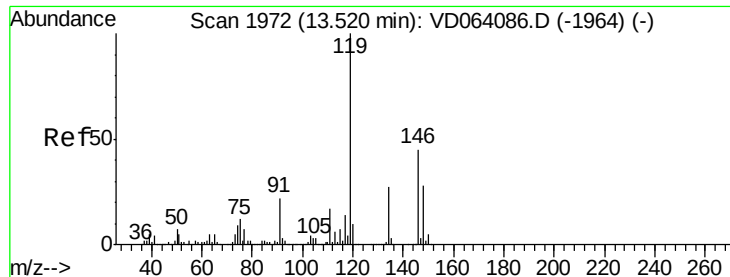


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 48.897 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

Instrument :

MSVOA_D

ClientSampleId :

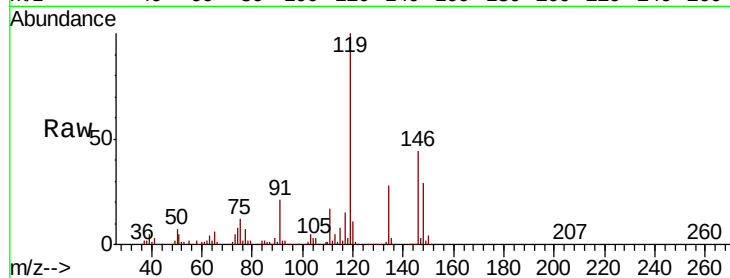
Tot Ion:146 Resp: 337800

Ion Ratio Lower Upper

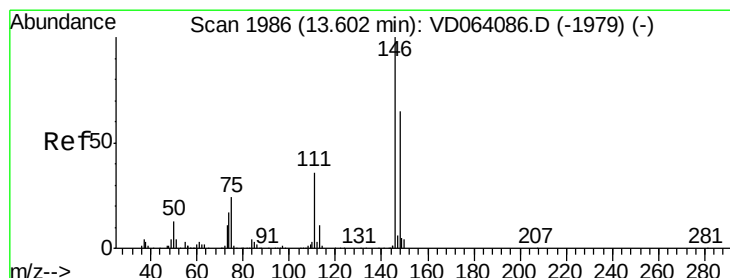
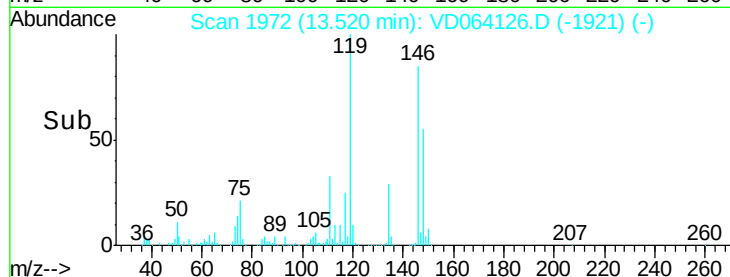
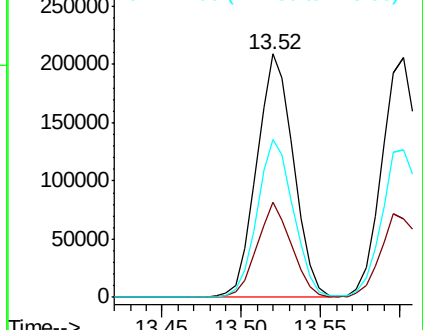
146 100

111 36.5 18.9 56.9

148 63.9 32.1 96.3



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



#88

1,4-Dichlorobenzene

Concen: 48.780 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

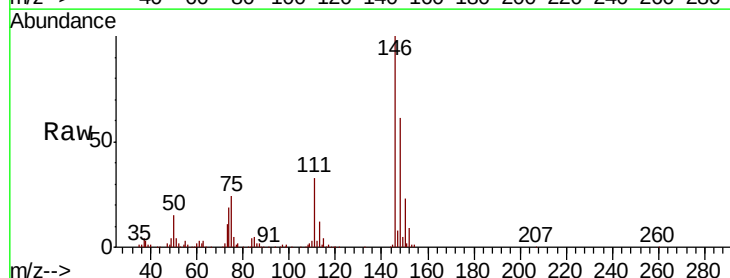
Tgt Ion:146 Resp: 332202

Ion Ratio Lower Upper

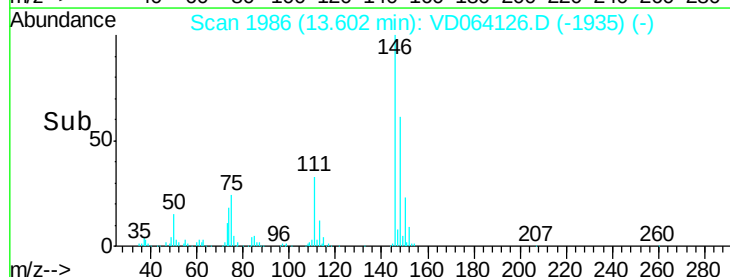
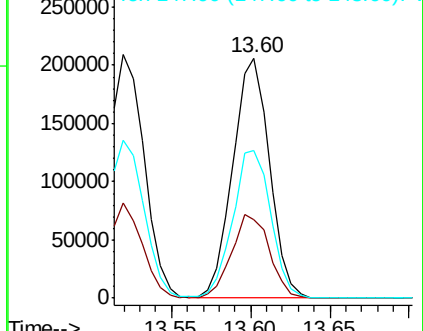
146 100

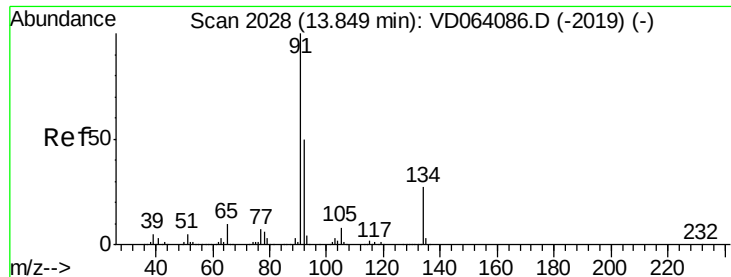
111 35.5 18.4 55.4

148 63.7 32.4 97.0



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





#89

n-Butylbenzene

Concen: 50.232 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. 0.00 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

Instrument :

MSVOA_D

ClientSampleId :

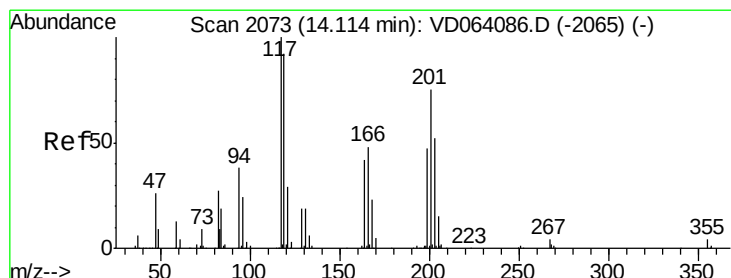
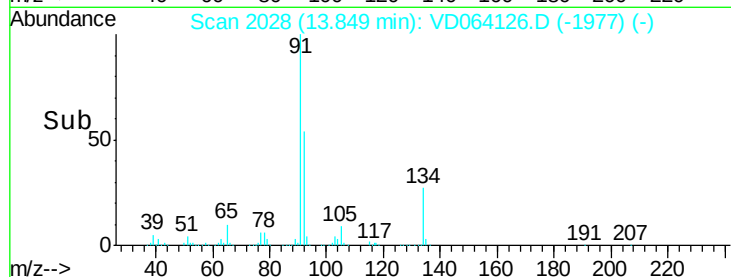
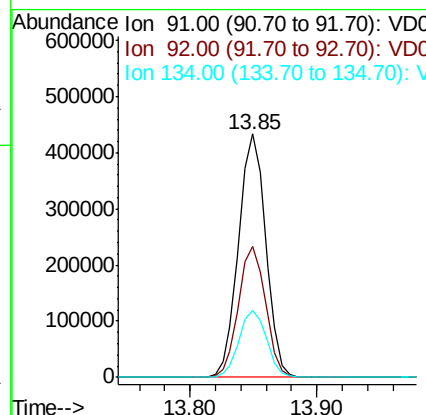
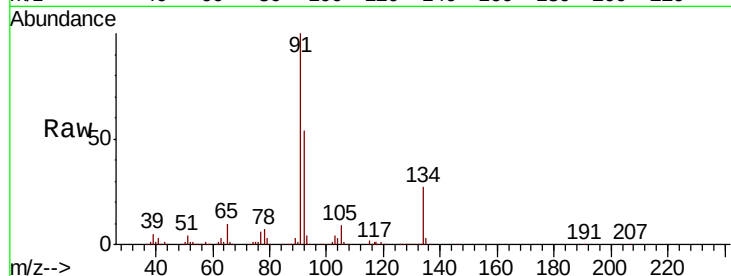
Tot Ion: 91 Resp: 641633

Ion Ratio Lower Upper

91 100

92 53.7 25.6 76.6

134 27.9 14.0 42.0



#90

Hexachloroethane

Concen: 46.954 ug/l

RT: 14.11 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VD064126.D

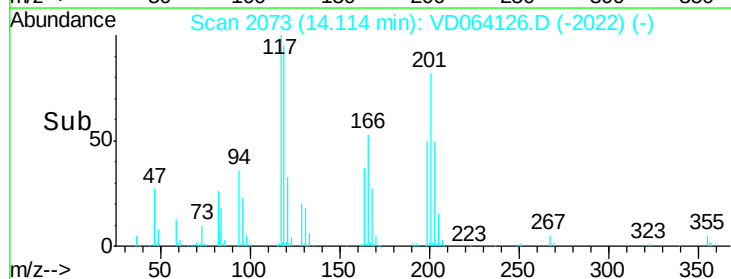
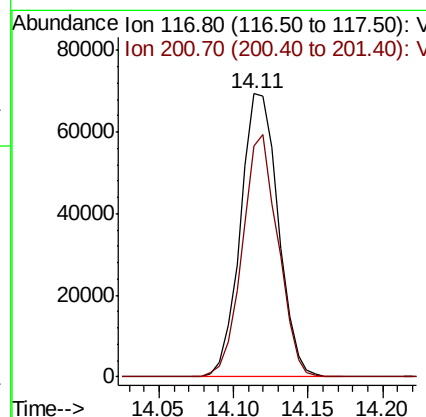
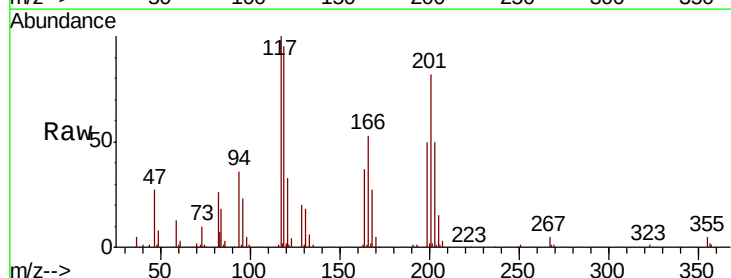
Acq: 31 Oct 2019 11:52

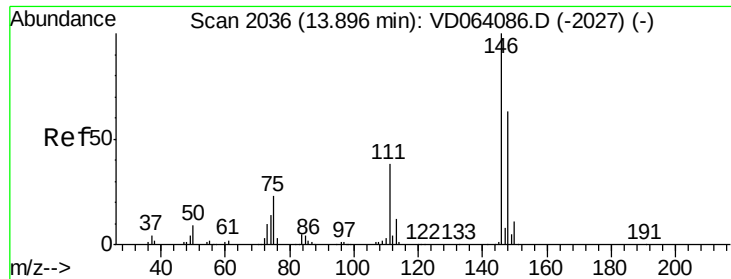
Tgt Ion: 117 Resp: 121744

Ion Ratio Lower Upper

117 100

201 80.7 38.4 115.2

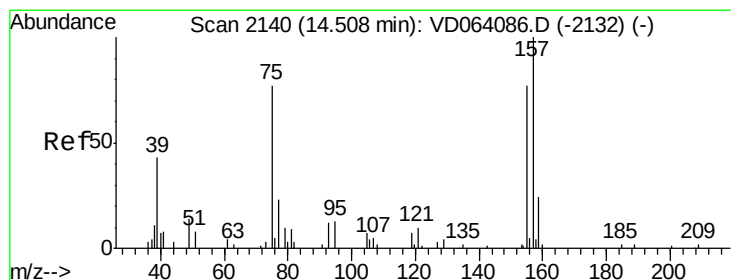
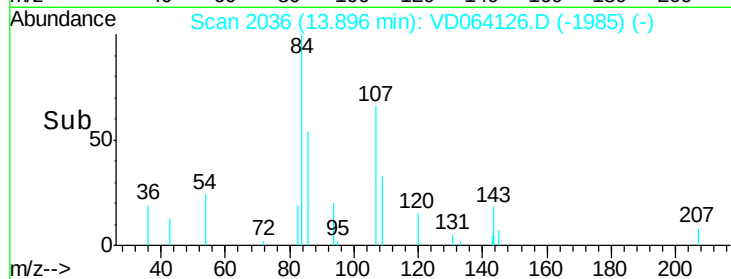
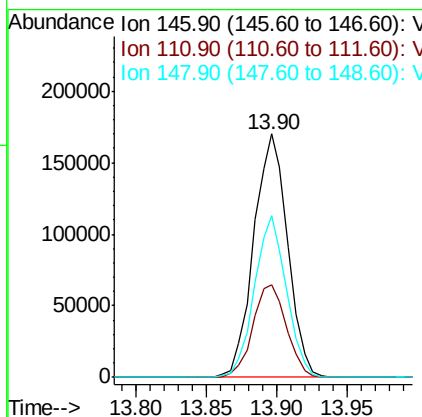
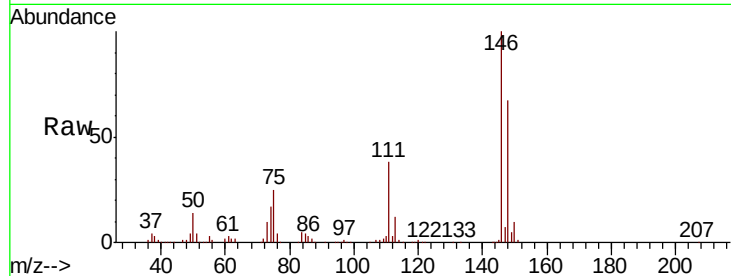




#91
 1,2-Dichlorobenzene
 Concen: 48.228 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064126.D
 Acq: 31 Oct 2019 11:52

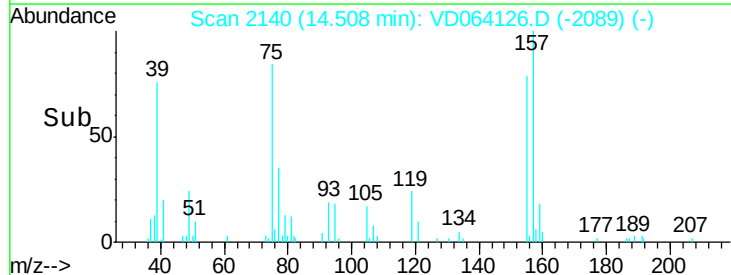
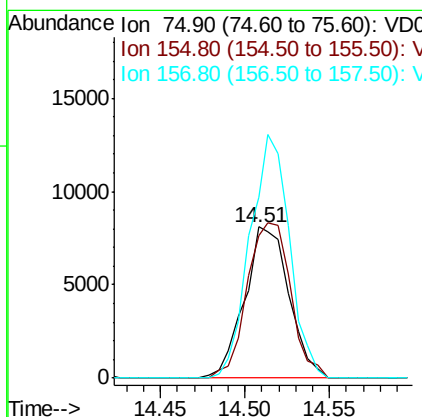
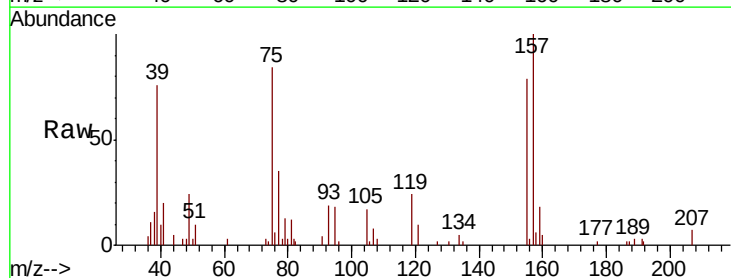
Instrument :
 MSVOA_D
 ClientSampled :

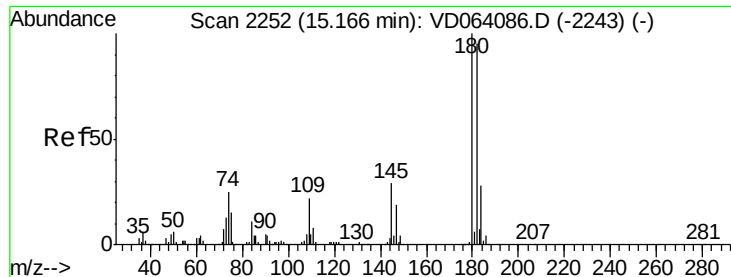
Tot Ion:146 Resp: 286740
 Ion Ratio Lower Upper
 146 100
 111 37.8 19.1 57.1
 148 62.9 32.1 96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.150 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD064126.D
 Acq: 31 Oct 2019 11:52

Tgt Ion: 75 Resp: 14840
 Ion Ratio Lower Upper
 75 100
 155 100.4 56.3 168.9
 157 142.8 72.2 216.6

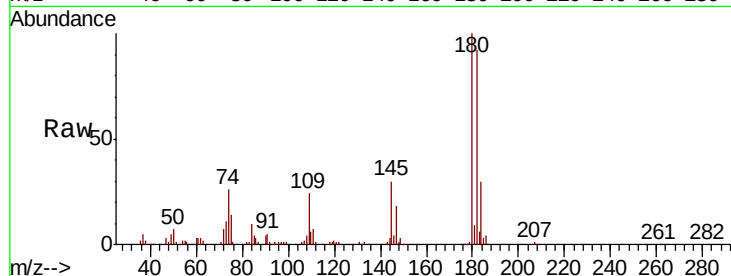




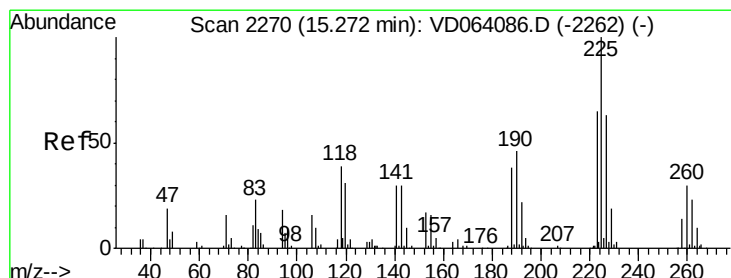
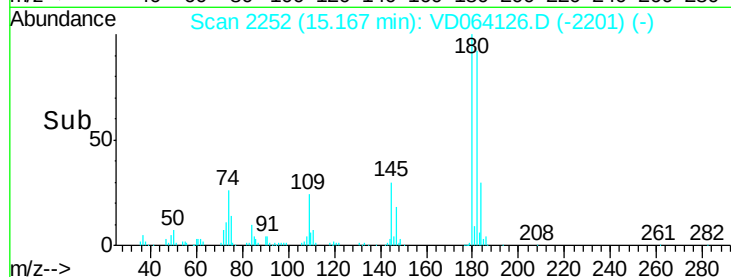
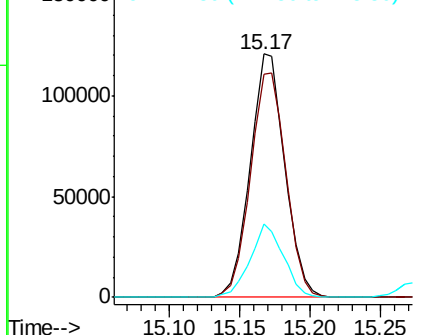
#93
 1,2,4-Trichlorobenzene
 Concen: 48.783 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD064126.D
 Acq: 31 Oct 2019 11:52

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	46.9	140.7
145	29.1	14.2	42.6

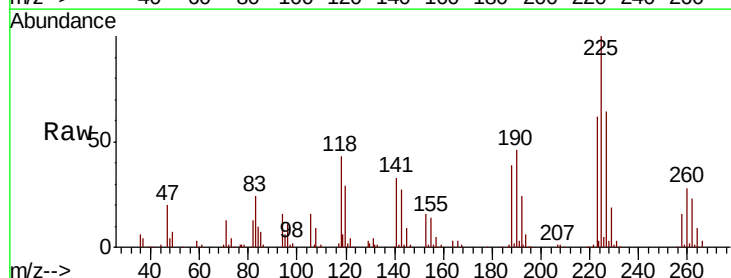


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

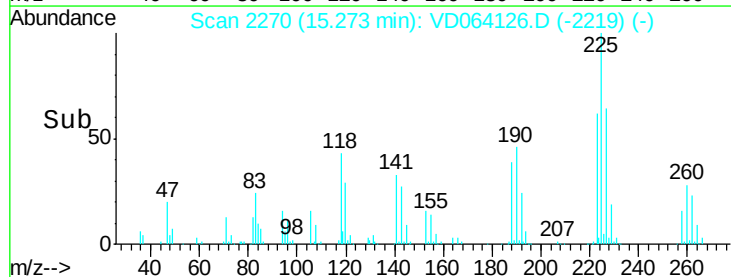
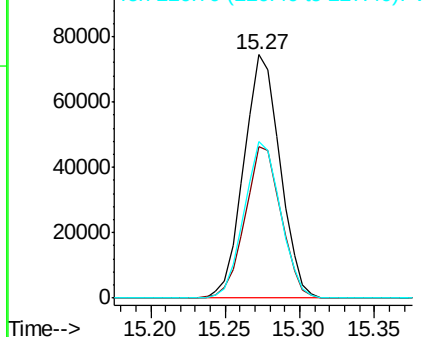


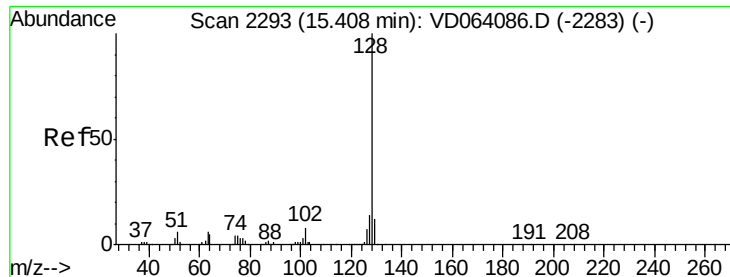
#94
 Hexachlorobutadiene
 Concen: 50.237 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD064126.D
 Acq: 31 Oct 2019 11:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	30.8	92.3
227	63.9	31.7	95.1



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





#95

Naphthalene

Concen: 48.447 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

Instrument :

MSVOA_D

ClientSampleId :

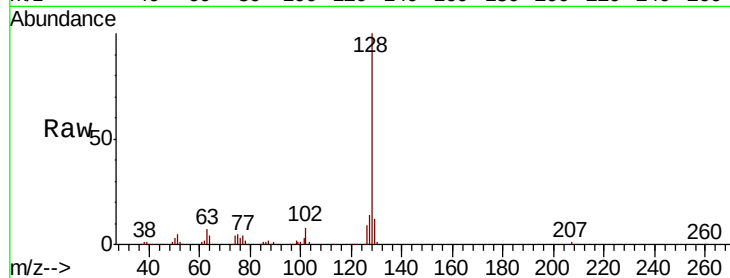
Tot Ion:128 Resp: 337673

Ion Ratio Lower Upper

128 100

127 13.4 10.9 16.3

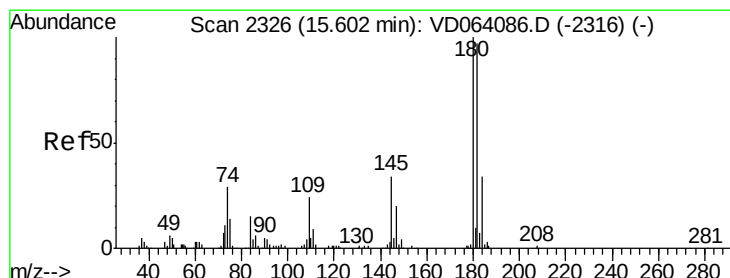
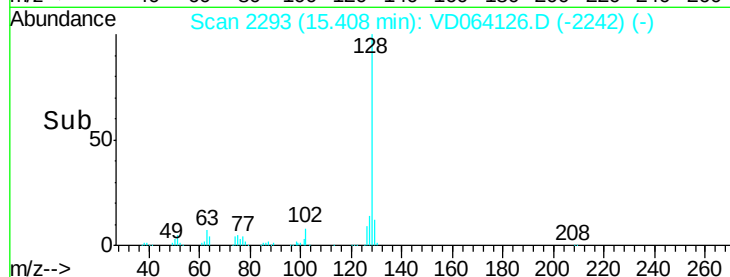
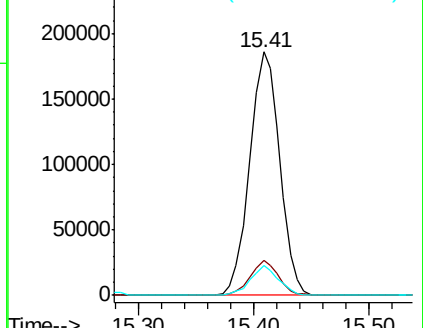
129 11.3 8.8 13.2



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: 47.683 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

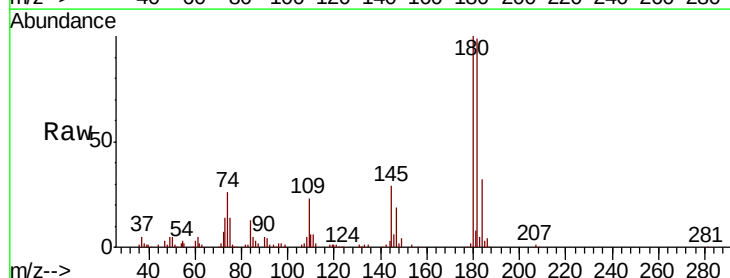
Tgt Ion:180 Resp: 176514

Ion Ratio Lower Upper

180 100

182 94.5 48.4 145.0

145 30.2 16.4 49.4



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

