

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110718\
 Data File : VD060294.D
 Acq On : 7 Nov 2018 12:00
 Operator : JC/SY
 Sample : VD1107SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 07 13:58:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:56:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	1655726	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	2220582	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1758539	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	908823	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.79	65	593126	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	
35) Dibromofluoromethane	6.33	113	848586	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	
50) Toluene-d8	9.46	98	2402730	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
62) 4-Bromofluorobenzene	12.43	95	891339	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.60	85	403581	29.17	ug/l	94
3) Chloromethane	1.76	50	354088	22.58	ug/l	99
4) Vinyl Chloride	1.86	62	293836	22.94	ug/l	99
5) Bromomethane	2.16	94	54642	17.98	ug/l	99
6) Chloroethane	2.27	64	83398	19.62	ug/l	98
7) Trichlorofluoromethane	2.52	101	323502	21.42	ug/l	95
8) Diethyl Ether	2.84	74	56954	20.83	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.10	101	216019	21.75	ug/l	96
10) Methyl Iodide	3.26	142	270194	20.95	ug/l	99
11) Tert butyl alcohol	3.99	59	43829	90.03	ug/l	96
12) 1,1-Dichloroethene	3.08	96	176409	21.84	ug/l	96
13) Acrolein	2.99	56	45479	79.06	ug/l	96
14) Allyl chloride	3.55	41	322260	20.85	ug/l	99
15) Acrylonitrile	4.10	53	293943	103.54	ug/l	100
16) Acetone	3.17	43	233516	113.55	ug/l	98
17) Carbon Disulfide	3.33	76	550325	21.10	ug/l	100
18) Methyl Acetate	3.56	43	75614	17.24	ug/l	94
19) Methyl tert-butyl Ether	4.14	73	511629	21.15	ug/l	99
20) Methylene Chloride	3.73	84	371961	20.39	ug/l	98
21) trans-1,2-Dichloroethene	4.12	96	382131	21.30	ug/l	98
22) Diisopropyl ether	4.86	45	1207275	20.90	ug/l	95
23) Vinyl Acetate	4.81	43	3048088	106.07	ug/l	98
24) 1,1-Dichloroethane	4.77	63	618218	20.88	ug/l	100
25) 2-Butanone	5.63	43	459620	107.53	ug/l	100
26) 2,2-Dichloropropane	5.60	77	500415	21.73	ug/l	100
27) cis-1,2-Dichloroethene	5.60	96	386352	20.67	ug/l	95
28) Bromochloromethane	5.94	49	265617	20.33	ug/l	99
29) Tetrahydrofuran	5.97	42	229012	101.62	ug/l	98
30) Chloroform	6.11	83	624504	21.09	ug/l	100
31) Cyclohexane	6.38	56	594798	21.01	ug/l	97
32) 1,1,1-Trichloroethane	6.30	97	520148	20.86	ug/l	99
36) 1,1-Dichloropropene	6.54	75	489971	22.33	ug/l	99
37) Ethyl Acetate	5.71	43	204178	20.23	ug/l	99
38) Carbon Tetrachloride	6.51	117	458522	22.53	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	547131	21.68	ug/l	99
40) Benzene	6.80	78	1229266	21.95	ug/l	99
41) Methacrylonitrile	5.96	41	243493	21.07	ug/l	97
42) 1,2-Dichloroethane	6.90	62	310201	21.16	ug/l	95
43) Isopropyl Acetate	8.36	43	257887	20.34	ug/l #	96
44) Trichloroethene	7.75	130	370064	21.80	ug/l	99
45) 1,2-Dichloropropane	8.11	63	301624	21.36	ug/l	95
46) Dibromomethane	8.23	93	173903	21.02	ug/l	91
47) Bromodichloromethane	8.51	83	418070	21.45	ug/l	100
48) Methyl methacrylate	8.26	41	156960	20.38	ug/l	94
49) 1,4-Dioxane	8.23	88	27053	405.93	ug/l #	86
51) 4-Methyl-2-Pentanone	9.35	43	884278	107.14	ug/l	100
52) Toluene	9.56	92	789065	22.06	ug/l	100
53) t-1,3-Dichloropropene	9.92	75	342953	20.82	ug/l	99
54) cis-1,3-Dichloropropene	9.12	75	444024	21.02	ug/l	100
55) 1,1,2-Trichloroethane	10.19	97	213594	20.60	ug/l	98
56) Ethyl methacrylate	10.04	69	205156	21.52	ug/l	97
57) 1,3-Dichloropropane	10.39	76	330562	20.92	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.93	63	630918	109.46	ug/l	98
59) 2-Hexanone	10.49	43	687155	116.81	ug/l	100
60) Dibromochloromethane	10.65	129	270374	21.45	ug/l	98
61) 1,2-Dibromoethane	10.77	107	222080	21.38	ug/l	99
64) Tetrachloroethene	10.26	164	349060	22.23	ug/l	96
65) Chlorobenzene	11.32	112	832243	21.84	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.43	131	277350	22.25	ug/l	97
67) Ethyl Benzene	11.44	91	1475880	22.64	ug/l	99
68) m/p-Xylenes	11.58	106	1078612	44.86	ug/l	98
69) o-Xylene	11.94	106	498099	21.44	ug/l	98
70) Styrene	11.96	104	828840	22.08	ug/l	96
71) Bromoform	12.13	173	172465	20.59	ug/l	98
73) Isopropylbenzene	12.28	105	1454894	21.97	ug/l	99
74) N-amyl acetate	12.14	43	347670	20.48	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.57	83	221430	20.45	ug/l	98
76) 1,2,3-Trichloropropane	12.60	75	224914	20.69	ug/l	100
77) Bromobenzene	12.55	156	374660	21.30	ug/l	92
78) n-propylbenzene	12.64	91	1827624	22.11	ug/l	96
79) 2-Chlorotoluene	12.71	91	1005721	22.22	ug/l	95
80) 1,3,5-Trimethylbenzene	12.80	105	1119337	21.75	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.34	75	63851	20.63	ug/l	94
82) 4-Chlorotoluene	12.82	91	1128762	22.20	ug/l	94
83) tert-Butylbenzene	13.05	119	1269280	22.22	ug/l	96
84) 1,2,4-Trimethylbenzene	13.10	105	1138446	22.15	ug/l	96
85) sec-Butylbenzene	13.23	105	1554518	22.18	ug/l	97
86) p-Isopropyltoluene	13.35	119	1230767	21.80	ug/l	98
87) 1,3-Dichlorobenzene	13.32	146	674388	21.55	ug/l	96
88) 1,4-Dichlorobenzene	13.40	146	653256	21.38	ug/l	98
89) n-Butylbenzene	13.65	91	1246709	20.09	ug/l	98
90) Hexachloroethane	13.86	117	285201	21.31	ug/l	87
91) 1,2-Dichlorobenzene	13.66	146	560261	21.80	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.23	75	25842	19.77	ug/l	91

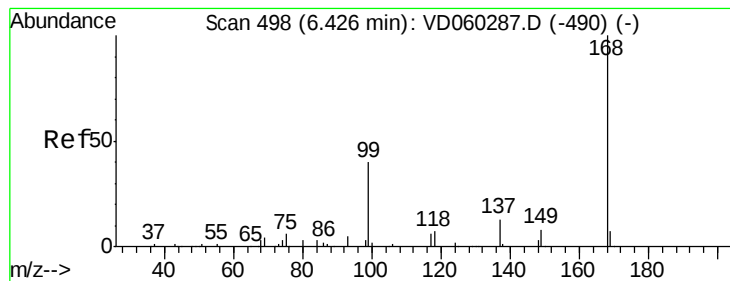
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD110718\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	420823	20.65	ug/l	98
94) Hexachlorobutadiene	14.88	225	328590	21.56	ug/l	99
95) Naphthalene	14.97	128	500541	20.12	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	326991	20.02	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.42 min Scan# 497

Delta R.T. -0.01 min

Lab File: VD060294.D

Acq: 7 Nov 2018 12:00

Instrument :

MSVOA_D

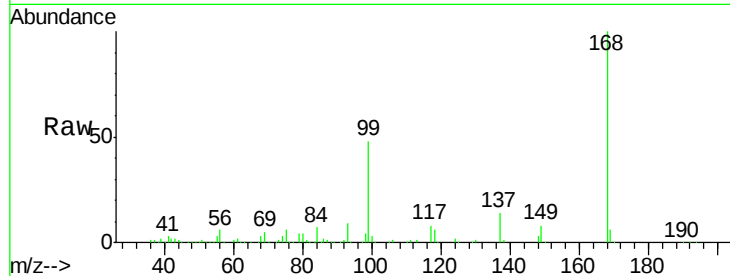
ClientSampleId :

Tot Ion:168 Resp: 1655726

Ion Ratio Lower Upper

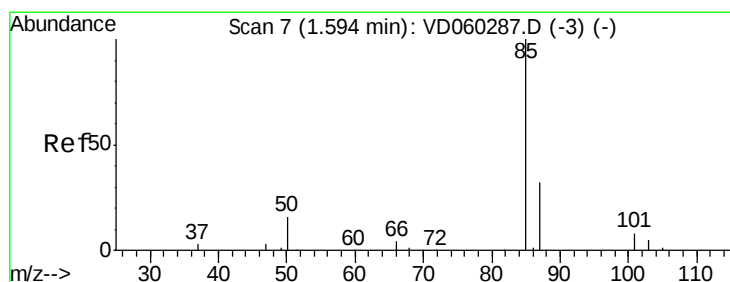
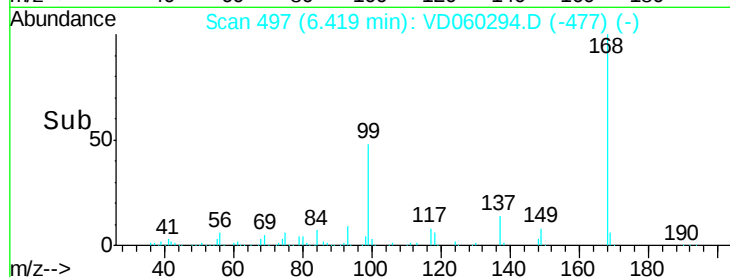
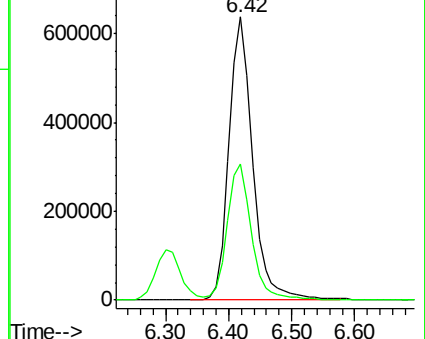
168 100

99 48.0 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60):

Ion 98.95 (98.65 to 99.65): VD



#2

Dichlorodifluoromethane

Concen: 29.17 ug/l

RT: 1.60 min Scan# 7

Delta R.T. 0.00 min

Lab File: VD060294.D

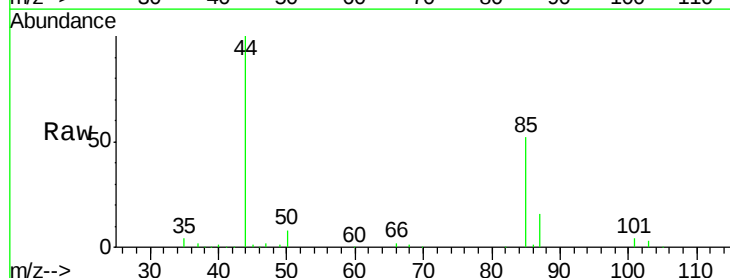
Acq: 7 Nov 2018 12:00

Tgt Ion: 85 Resp: 403581

Ion Ratio Lower Upper

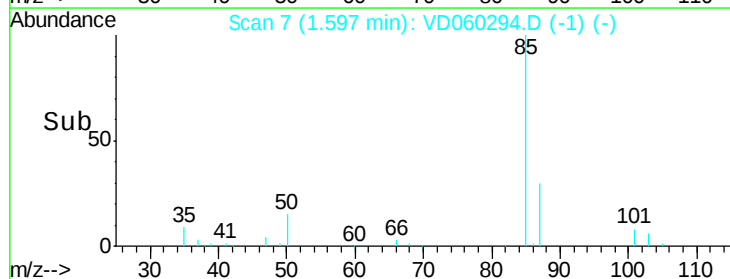
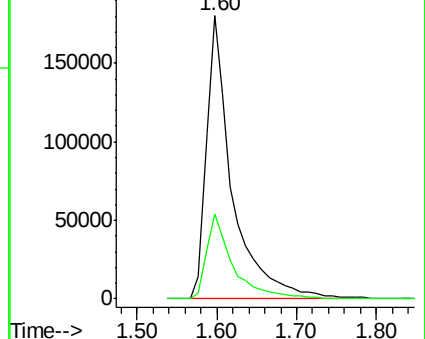
85 100

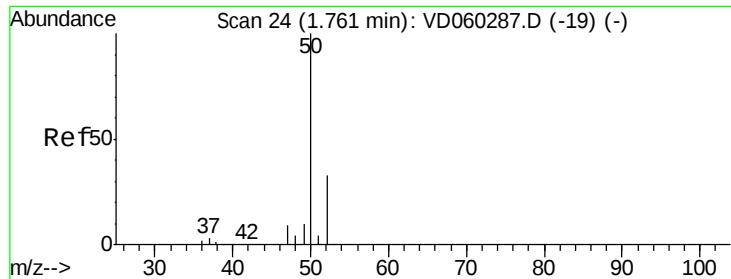
87 29.9 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VD

Ion 86.90 (86.60 to 87.60): VD





#3

Chloromethane

Concen: 22.58 ug/l

RT: 1.76 min Scan# 24

Delta R.T. 0.00 min

Lab File: VD060294.D

Acq: 7 Nov 2018 12:00

Instrument :

MSVOA_D

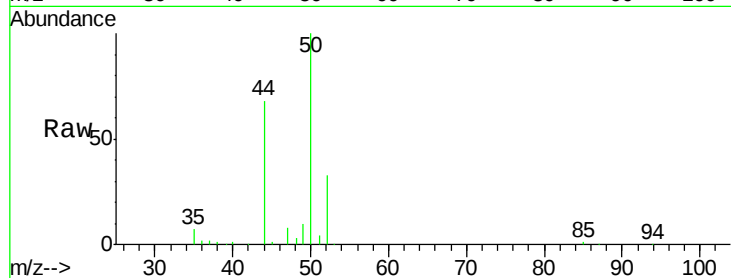
ClientSampled :

Tot Ion: 50 Resp: 354088

Ion Ratio Lower Upper

50 100

52 32.8 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VD

Ion 51.90 (51.60 to 52.60): VD

1.76

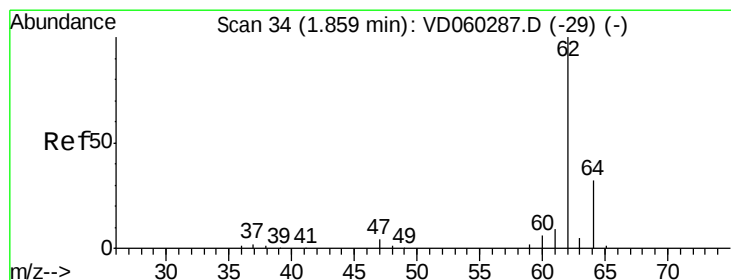
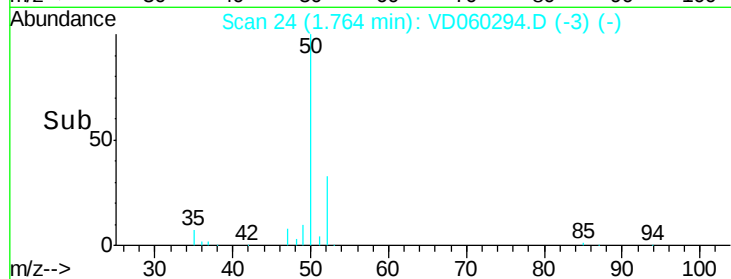
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 22.94 ug/l

RT: 1.86 min Scan# 34

Delta R.T. 0.00 min

Lab File: VD060294.D

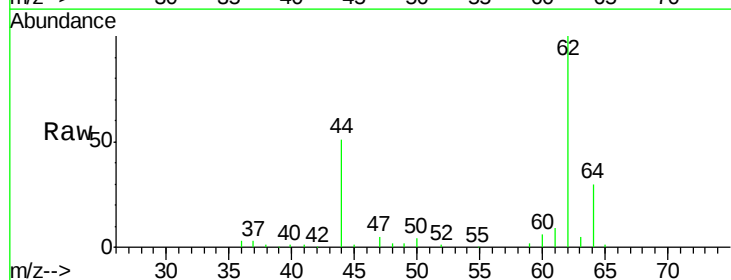
Acq: 7 Nov 2018 12:00

Tgt Ion: 62 Resp: 293836

Ion Ratio Lower Upper

62 100

64 30.3 24.9 37.3



Abundance Ion 61.95 (61.65 to 62.65): VD

Ion 63.95 (63.65 to 64.65): VD

1.86

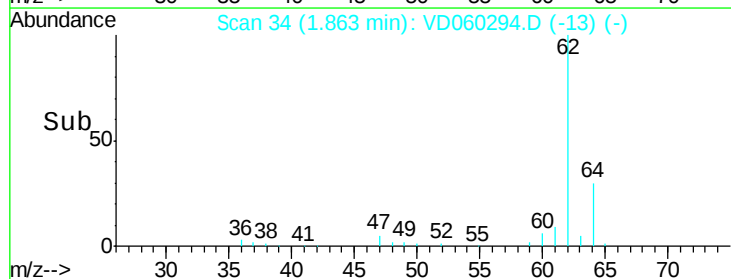
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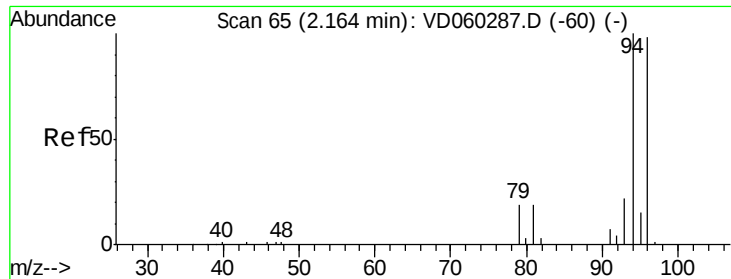
100000

50000

0

Time-->

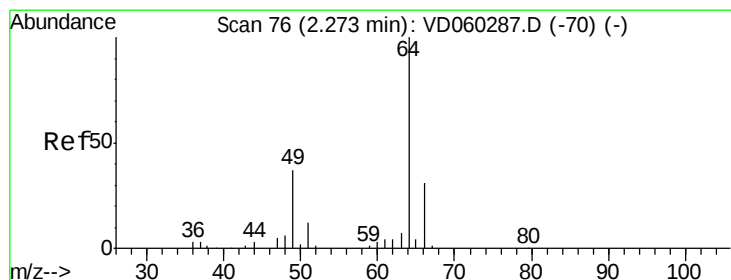
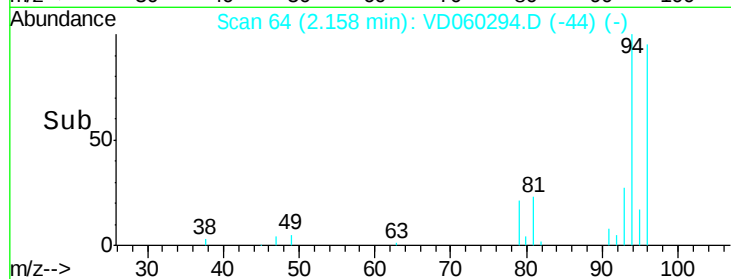
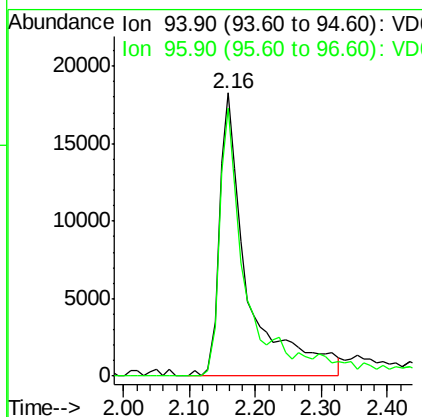
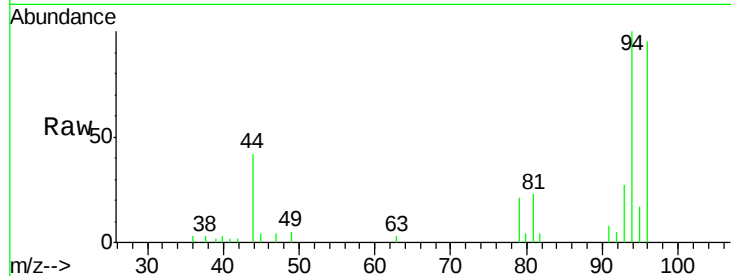




#5
Bromomethane
Concen: 17.98 ug/l
RT: 2.16 min Scan# 64
Delta R.T. -0.01 min
Lab File: VD060294.D
Acq: 7 Nov 2018 12:00

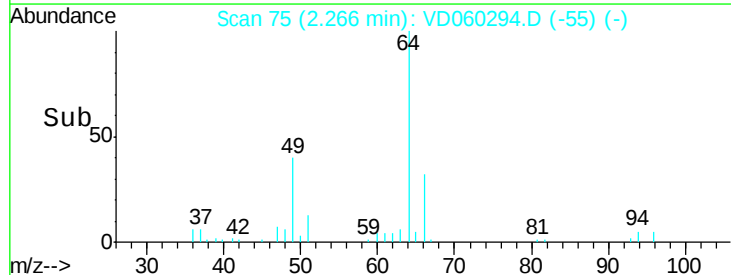
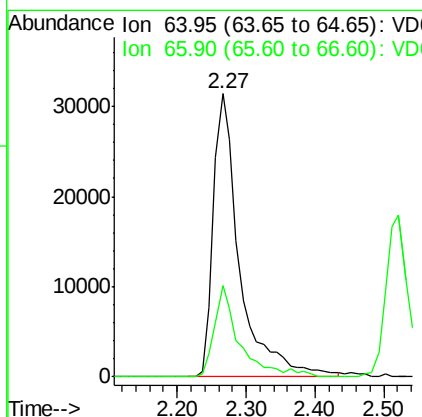
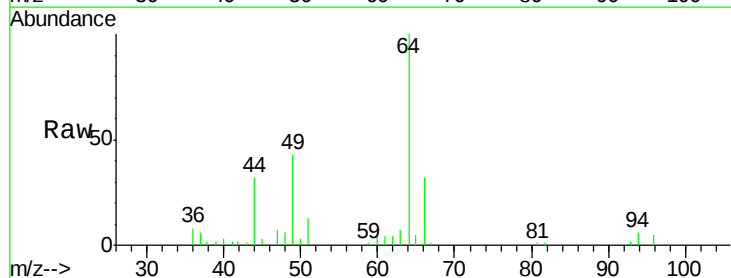
Instrument :
MSVOA_D
ClientSampled :

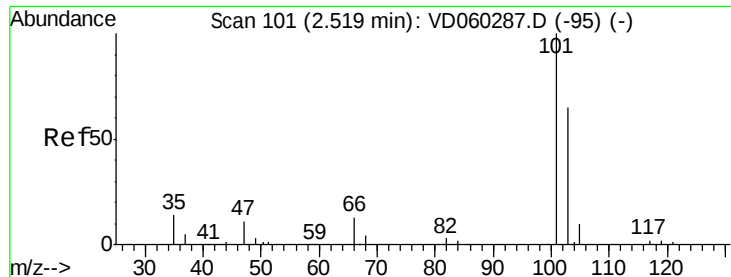
Tot Ion: 94 Resp: 54642
Ion Ratio Lower Upper
94 100
96 94.7 76.6 114.8



#6
Chloroethane
Concen: 19.62 ug/l
RT: 2.27 min Scan# 75
Delta R.T. -0.01 min
Lab File: VD060294.D
Acq: 7 Nov 2018 12:00

Tgt Ion: 64 Resp: 83398
Ion Ratio Lower Upper
64 100
66 32.2 26.6 40.0



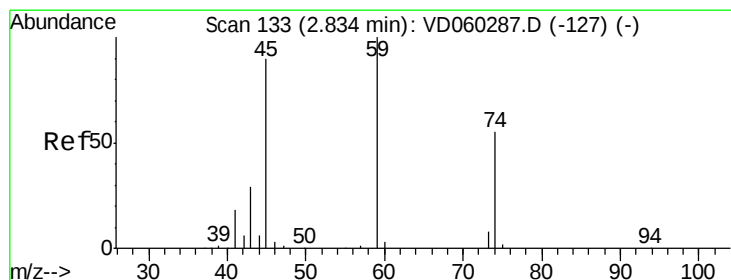
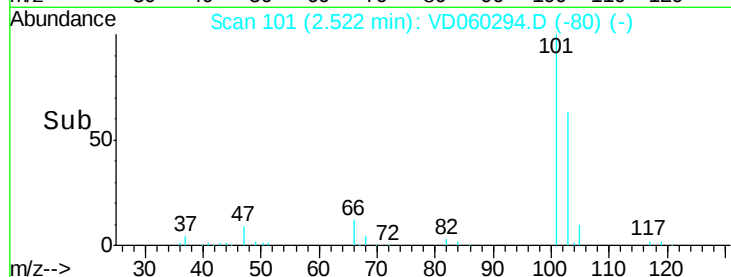
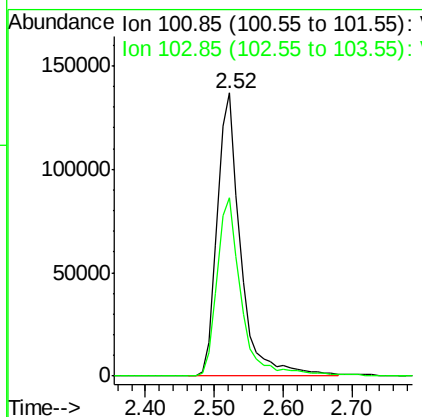
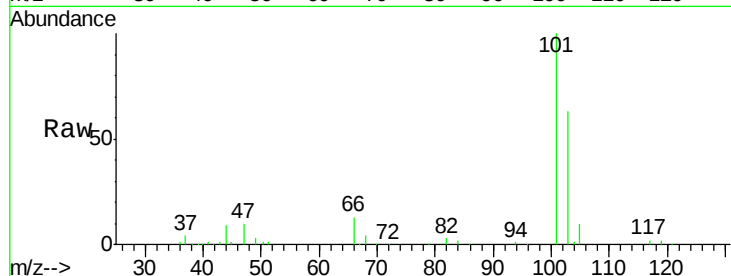


#7

Trichlorofluoromethane
Concen: 21.42 ug/l
RT: 2.52 min Scan# 101
Delta R.T. 0.00 min
Lab File: VD060294.D
Acq: 7 Nov 2018 12:00

Instrument :
MSVOA_D
ClientSampleId :

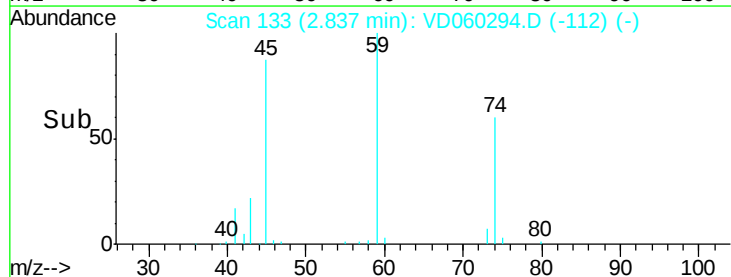
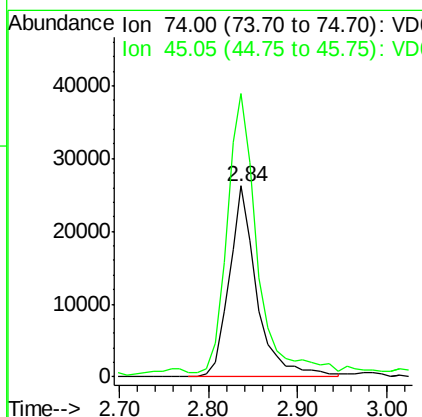
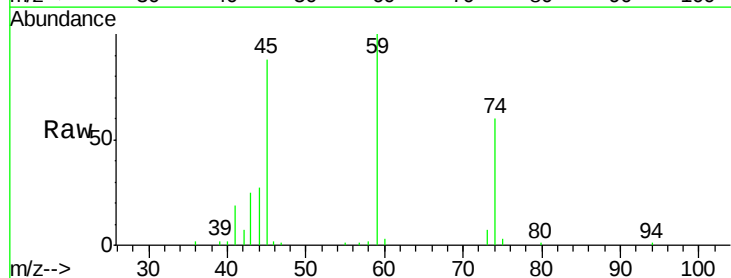
Tot Ion:101 Resp: 323502
Ion Ratio Lower Upper
101 100
103 62.8 53.6 80.4

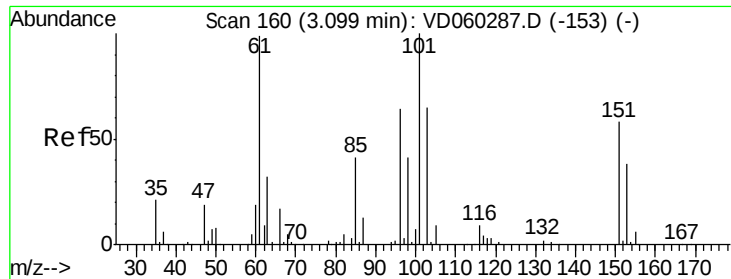


#8

Diethyl Ether
Concen: 20.83 ug/l
RT: 2.84 min Scan# 133
Delta R.T. 0.00 min
Lab File: VD060294.D
Acq: 7 Nov 2018 12:00

Tgt Ion: 74 Resp: 56954
Ion Ratio Lower Upper
74 100
45 148.4 84.8 254.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.75 ug/l

RT: 3.10 min Scan# 160

Delta R.T. 0.00 min

Lab File: VD060294.D

Acq: 7 Nov 2018 12:00

Instrument :

MSVOA_D

ClientSampled :

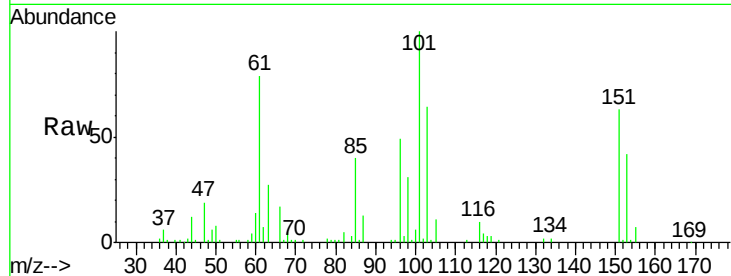
Tot Ion:101 Resp: 216019

Ion Ratio Lower Upper

101 100

85 40.3 31.4 47.0

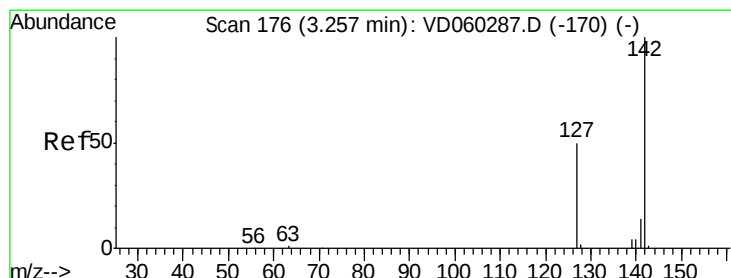
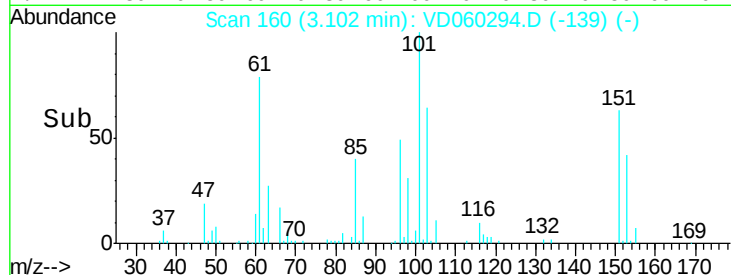
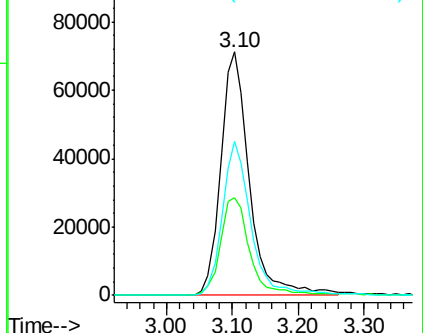
151 63.1 47.4 71.0



Abundance Ion 100.85 (100.55 to 101.55):

Ion 84.95 (84.65 to 85.65): VD

Ion 150.90 (150.60 to 151.60):



#10

Methyl Iodide

Concen: 20.95 ug/l

RT: 3.26 min Scan# 176

Delta R.T. 0.00 min

Lab File: VD060294.D

Acq: 7 Nov 2018 12:00

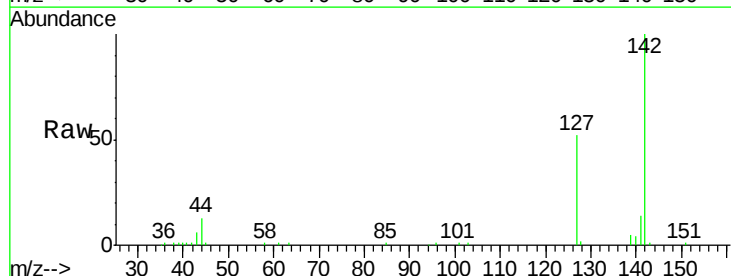
Tgt Ion:142 Resp: 270194

Ion Ratio Lower Upper

142 100

127 51.8 41.0 61.6

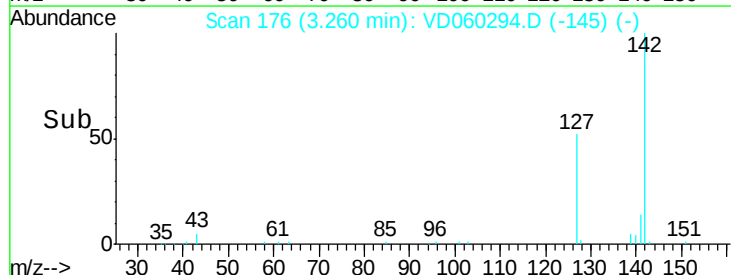
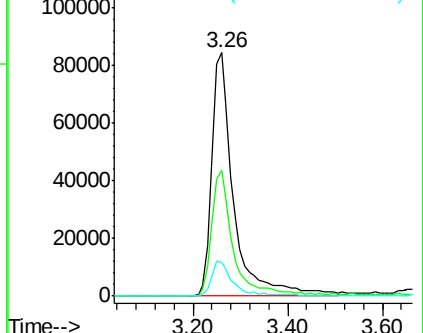
141 14.0 11.9 17.9

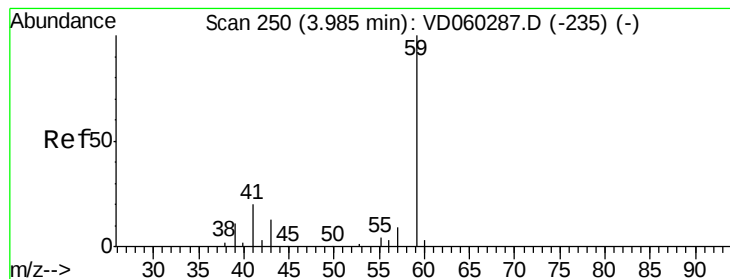


Abundance Ion 141.85 (141.55 to 142.55):

Ion 126.80 (126.50 to 127.50):

Ion 140.85 (140.55 to 141.55):



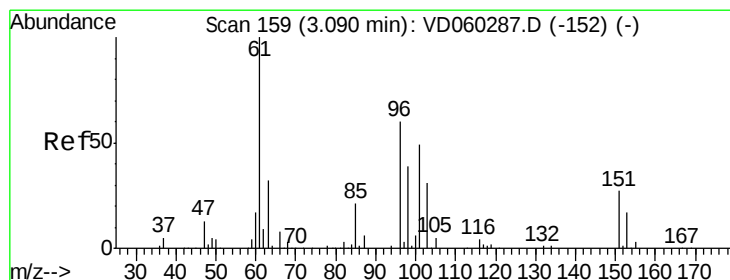
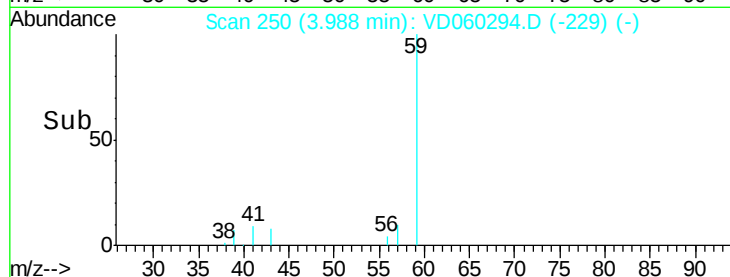
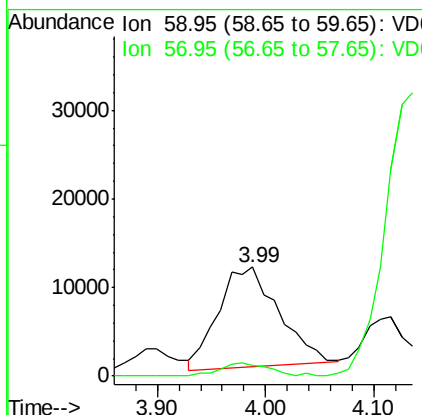
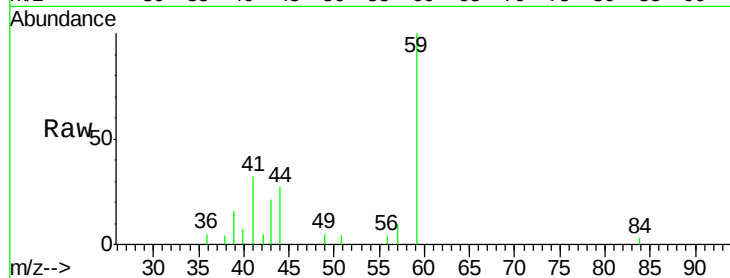


#11

Tert butyl alcohol
 Concen: 90.03 ug/l
 RT: 3.99 min Scan# 250
 Delta R.T. 0.00 min
 Lab File: VD060294.D
 Acq: 7 Nov 2018 12:00

Instrument :
 MSVOA_D
 ClientSampled :

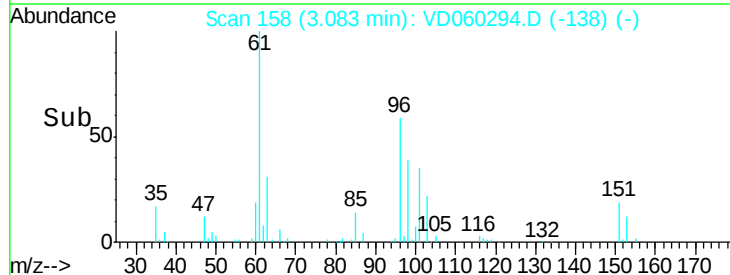
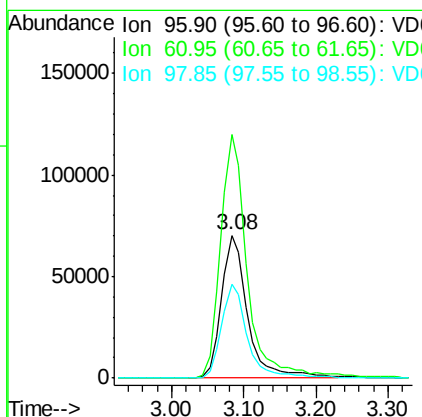
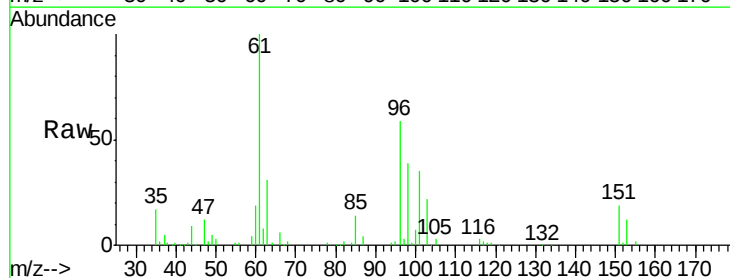
Tot Ion: 59 Resp: 43829
 Ion Ratio Lower Upper
 59 100
 57 9.9 9.3 13.9

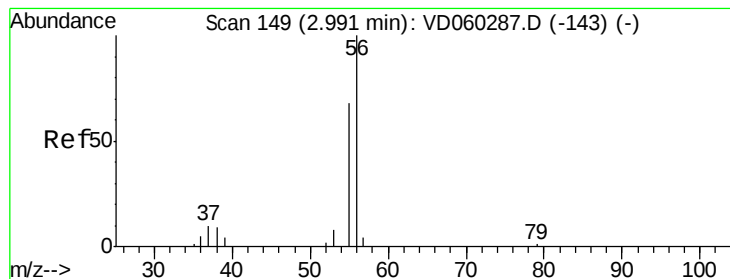


#12

1,1-Dichloroethene
 Concen: 21.84 ug/l
 RT: 3.08 min Scan# 158
 Delta R.T. -0.01 min
 Lab File: VD060294.D
 Acq: 7 Nov 2018 12:00

Tgt Ion: 96 Resp: 176409
 Ion Ratio Lower Upper
 96 100
 61 170.9 142.2 213.4
 98 66.1 52.6 79.0





#13

Acrolein

Concen: 79.06 ug/l

RT: 2.99 min Scan# 149

Delta R.T. 0.00 min

Lab File: VD060294.D

Acq: 7 Nov 2018 12:00

Instrument :

MSVOA_D

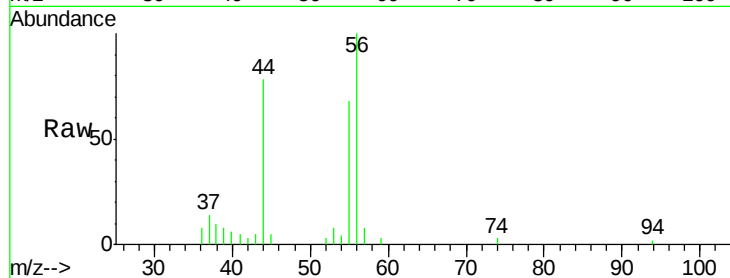
ClientSampled :

Tot Ion: 56 Resp: 45479

Ion Ratio Lower Upper

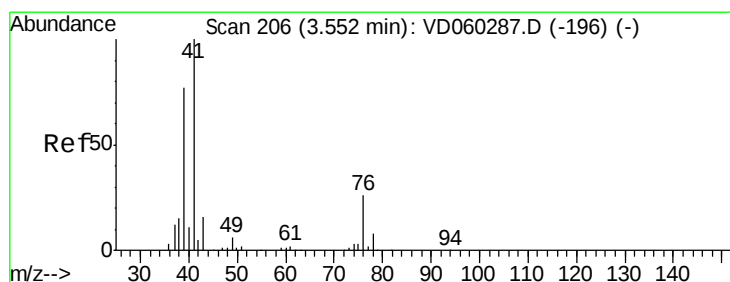
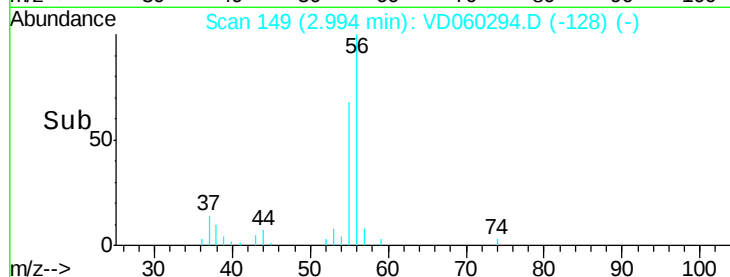
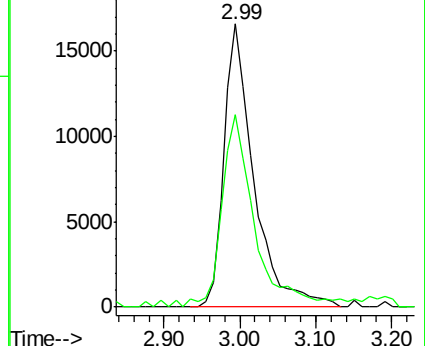
56 100

55 67.8 57.0 85.6



Abundance Ion 55.95 (55.65 to 56.65): VD

Ion 55.00 (54.70 to 55.70): VD



#14

Allyl chloride

Concen: 20.85 ug/l

RT: 3.55 min Scan# 205

Delta R.T. -0.01 min

Lab File: VD060294.D

Acq: 7 Nov 2018 12:00

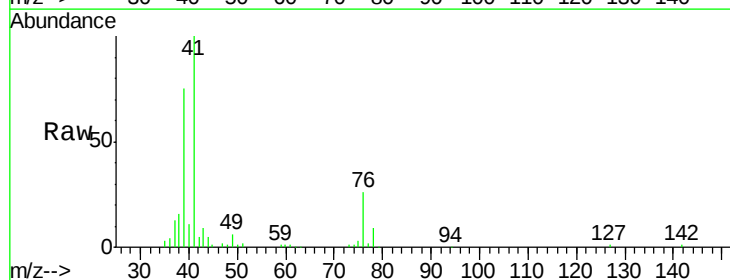
Tgt Ion: 41 Resp: 322260

Ion Ratio Lower Upper

41 100

39 75.1 60.4 90.6

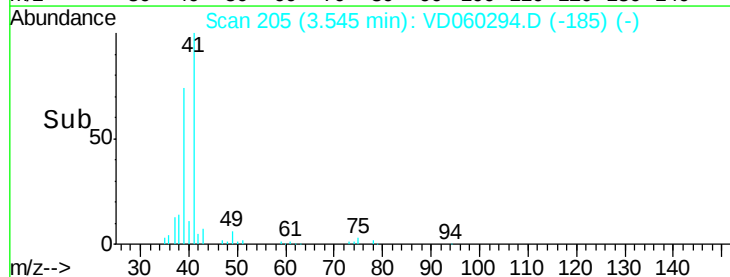
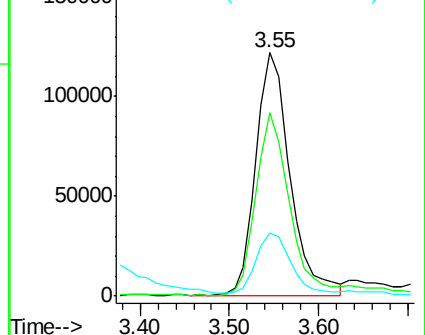
76 26.2 21.8 32.8

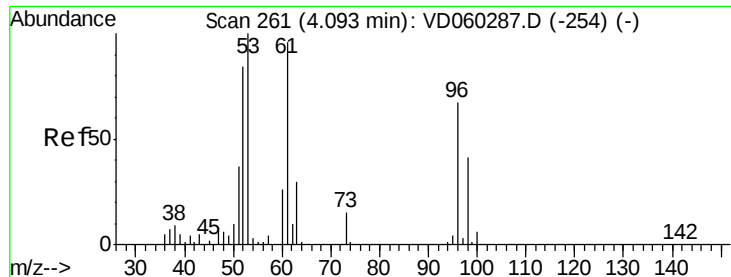


Abundance Ion 41.05 (40.75 to 41.75): VD

Ion 38.95 (38.65 to 39.65): VD

Ion 75.95 (75.65 to 76.65): VD





#15

Acrylonitrile

Concen: 103.54 ug/l

RT: 4.10 min Scan# 261

Delta R.T. 0.00 min

Lab File: VD060294.D

Acq: 7 Nov 2018 12:00

Instrument :
MSVOA_D
ClientSampleId :

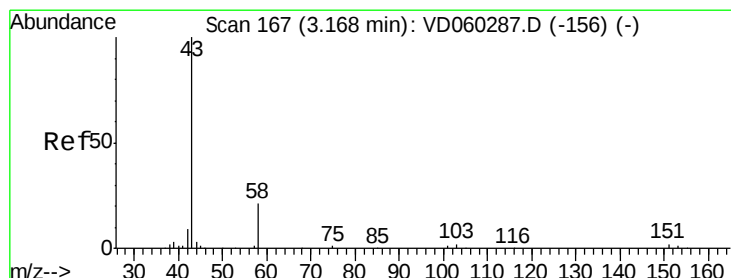
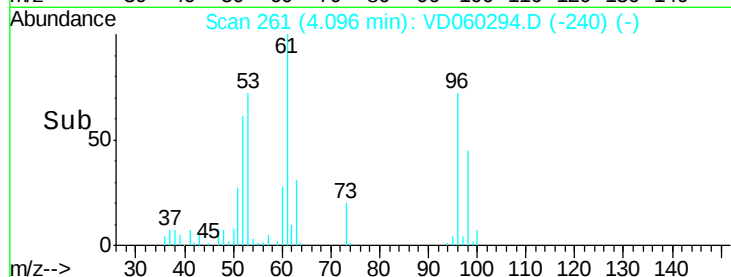
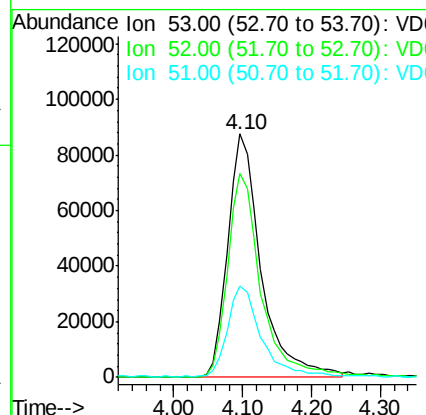
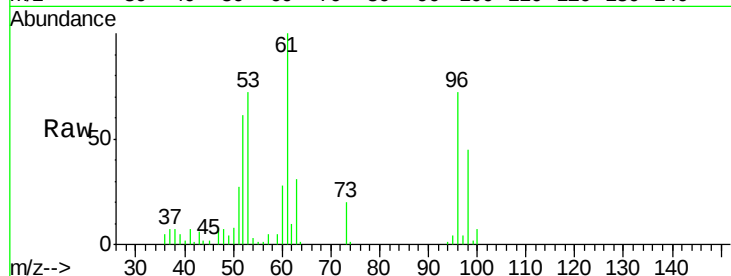
Tot Ion: 53 Resp: 293943

Ion Ratio Lower Upper

53 100

52 83.8 67.0 100.4

51 37.3 29.9 44.9



#16

Acetone

Concen: 113.55 ug/l

RT: 3.17 min Scan# 167

Delta R.T. 0.00 min

Lab File: VD060294.D

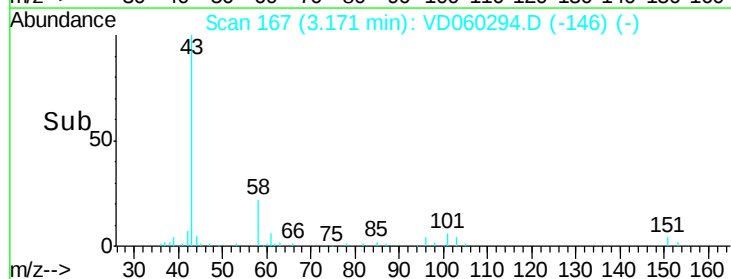
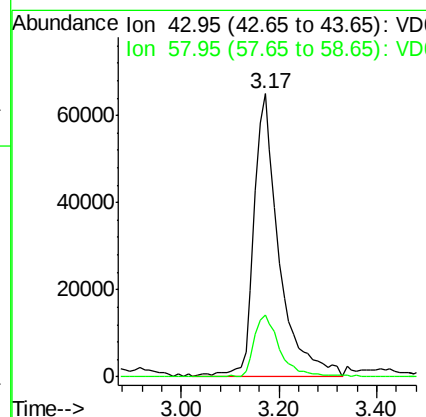
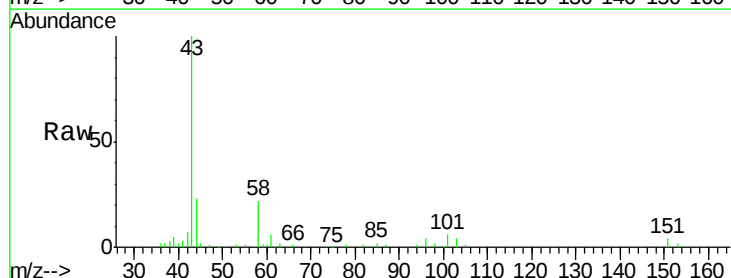
Acq: 7 Nov 2018 12:00

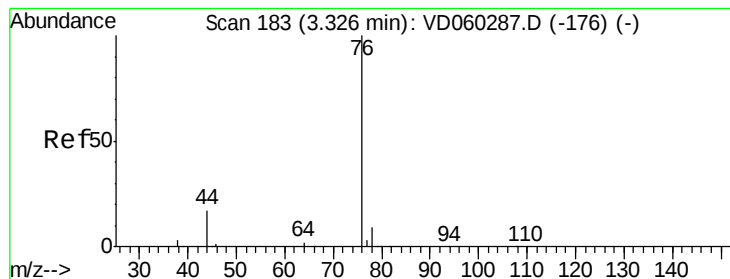
Tgt Ion: 43 Resp: 233516

Ion Ratio Lower Upper

43 100

58 22.0 16.9 25.3





#17

Carbon Disulfide

Concen: 21.10 ug/l

RT: 3.33 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD060294.D

Acq: 7 Nov 2018 12:00

Instrument :

MSVOA_D

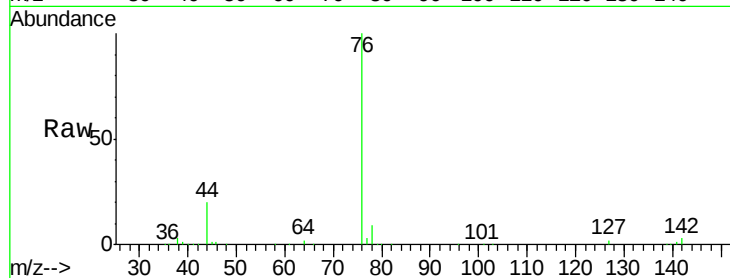
ClientSampleId :

Tot Ion: 76 Resp: 550325

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.4



Abundance Ion 75.85 (75.55 to 76.55): VD

Ion 77.85 (77.55 to 78.55): VD

250000

200000

150000

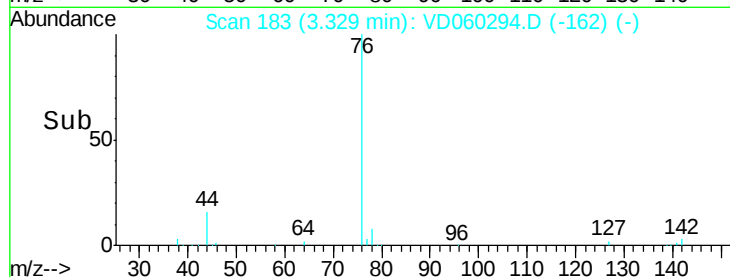
100000

50000

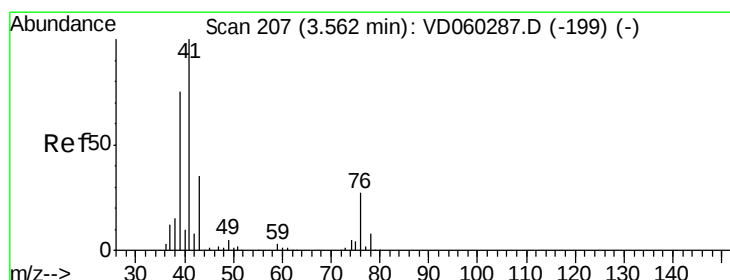
0

3.20 3.30 3.40 3.50

Time-->



Time-->



#18

Methyl Acetate

Concen: 17.24 ug/l

RT: 3.56 min Scan# 207

Delta R.T. 0.00 min

Lab File: VD060294.D

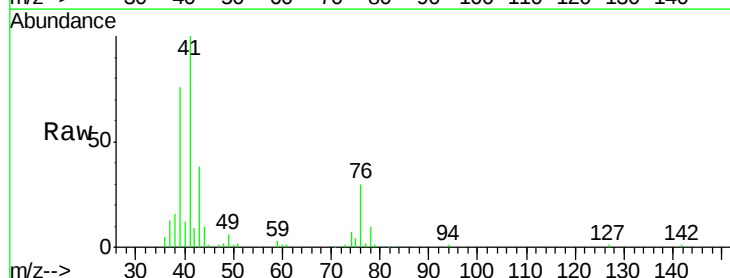
Acq: 7 Nov 2018 12:00

Tgt Ion: 43 Resp: 75614

Ion Ratio Lower Upper

43 100

74 18.1 12.4 18.6



Abundance Ion 42.95 (42.65 to 43.65): VD

Ion 74.00 (73.70 to 74.70): VD

30000

25000

20000

15000

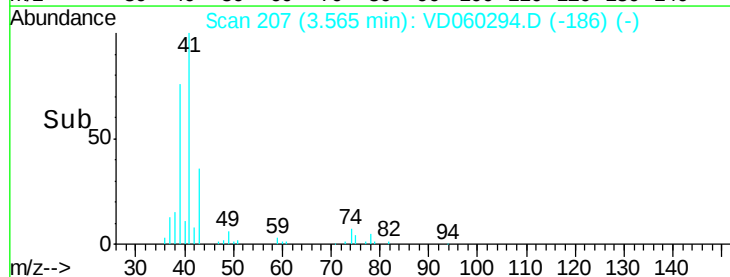
10000

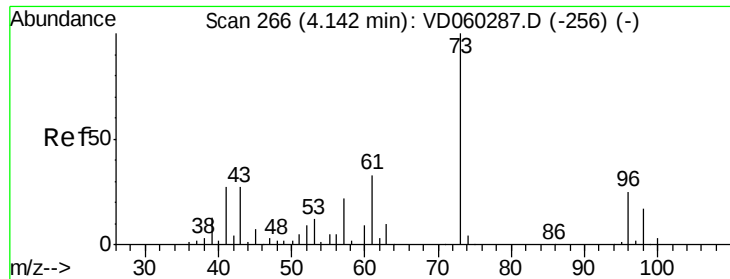
5000

0

3.50 3.60 3.70

Time-->

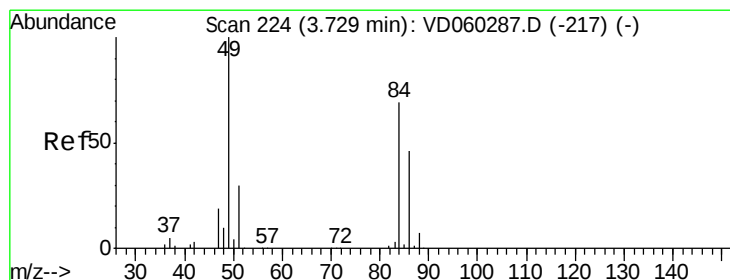
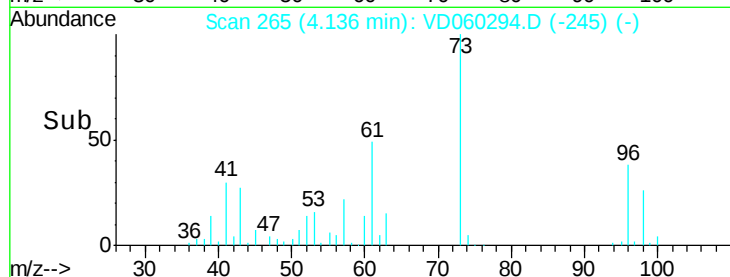
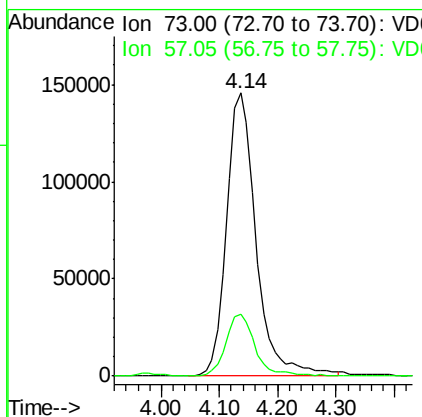
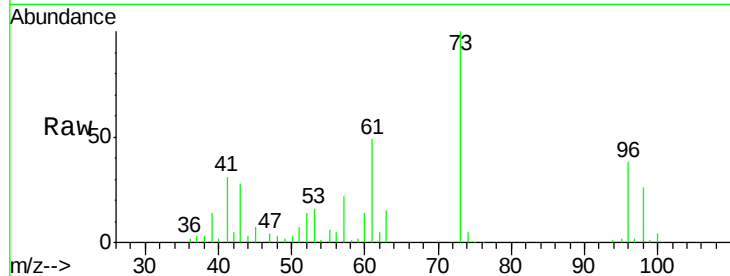




#19
Methyl tert-butyl Ether
Concen: 21.15 ug/l
RT: 4.14 min Scan# 265
Delta R.T. -0.01 min
Lab File: VD060294.D
Acq: 7 Nov 2018 12:00

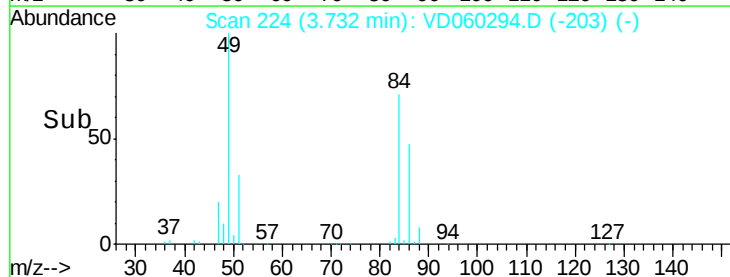
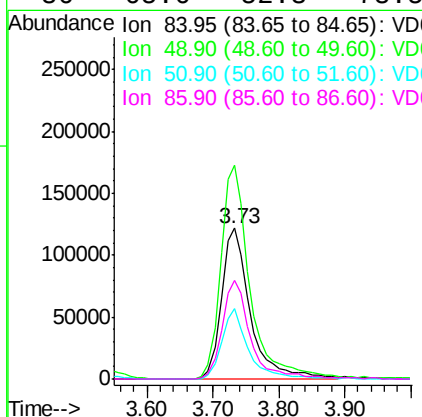
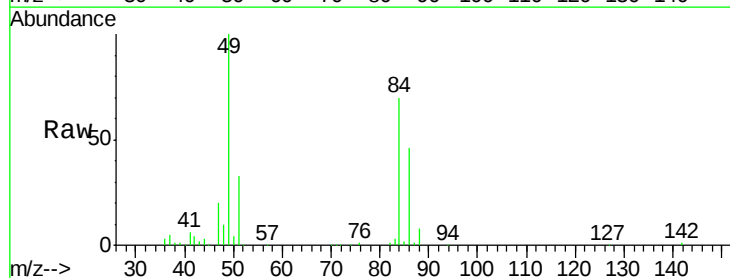
Instrument :
MSVOA_D
ClientSampleId :

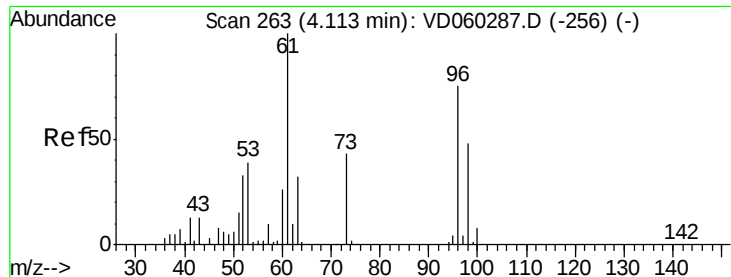
Tot Ion: 73 Resp: 511629
Ion Ratio Lower Upper
73 100
57 21.9 18.1 27.1



#20
Methylene Chloride
Concen: 20.39 ug/l
RT: 3.73 min Scan# 224
Delta R.T. 0.00 min
Lab File: VD060294.D
Acq: 7 Nov 2018 12:00

Tgt Ion: 84 Resp: 371961
Ion Ratio Lower Upper
84 100
49 141.9 115.6 173.4
51 46.7 35.6 53.4
86 65.6 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 21.30 ug/l

RT: 4.12 min Scan# 263

Delta R.T. 0.00 min

Lab File: VD060294.D

Acq: 7 Nov 2018 12:00

Instrument :

MSVOA_D

ClientSampled :

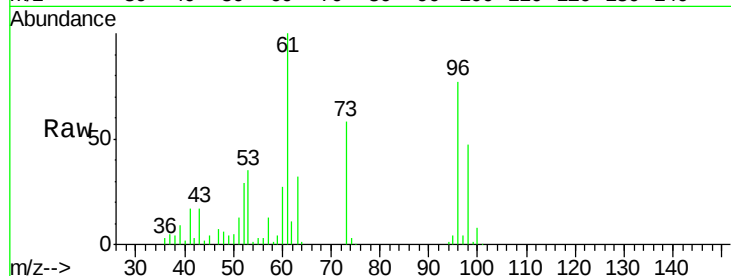
Tot Ion: 96 Resp: 382131

Ion Ratio Lower Upper

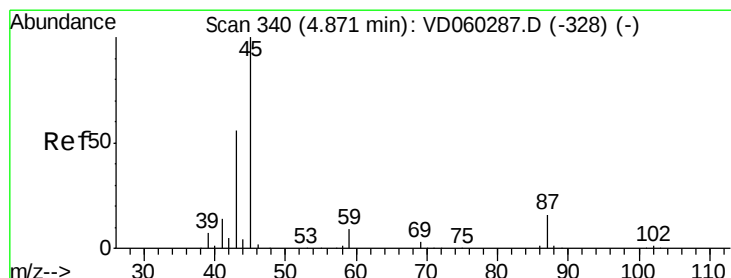
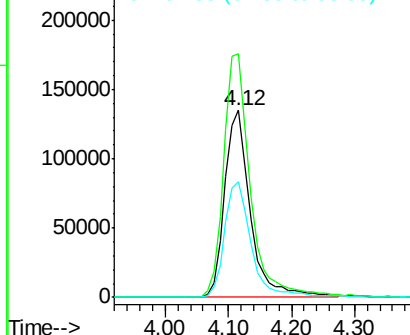
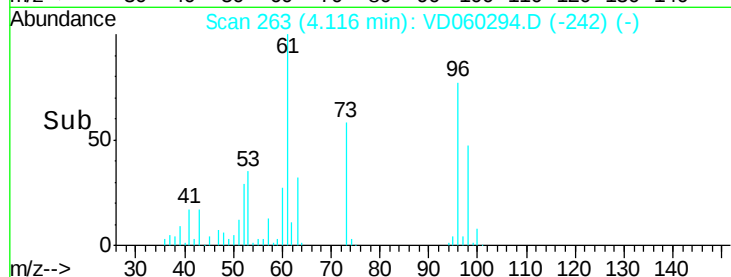
96 100

61 130.0 105.8 158.6

98 61.6 50.8 76.2



Abundance Ion 95.90 (95.60 to 96.60): VD
Ion 60.95 (60.65 to 61.65): VD
Ion 97.85 (97.55 to 98.55): VD



#22

Diisopropyl ether

Concen: 20.90 ug/l

RT: 4.86 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD060294.D

Acq: 7 Nov 2018 12:00

Tgt Ion: 45 Resp: 1207275

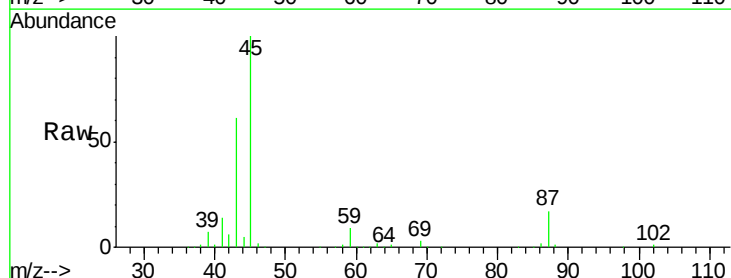
Ion Ratio Lower Upper

45 100

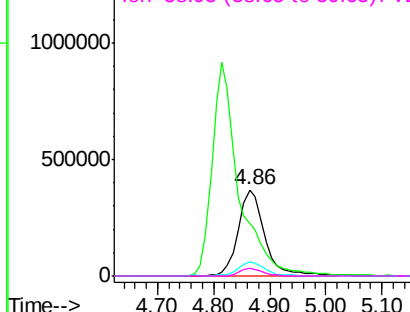
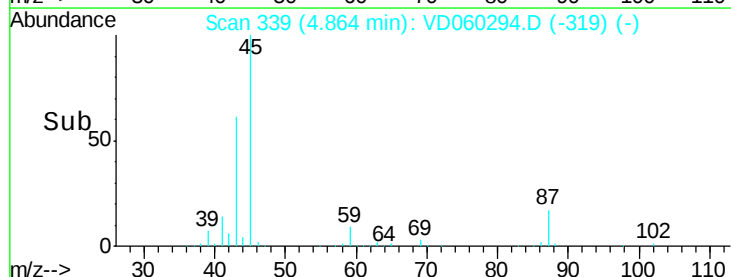
43 61.2 44.9 67.3

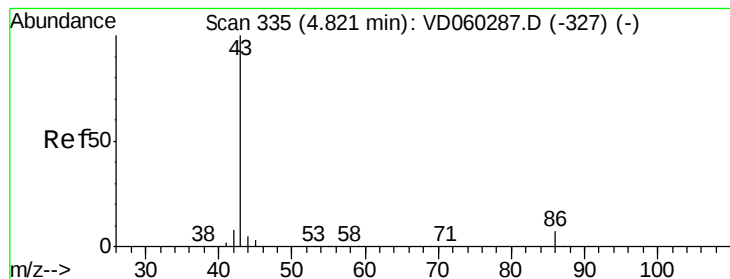
87 16.9 13.9 20.9

59 8.7 7.0 10.6



Abundance Ion 45.05 (44.75 to 45.75): VD
Ion 43.05 (42.75 to 43.75): VD
Ion 87.00 (86.70 to 87.70): VD
Ion 58.95 (58.65 to 59.65): VD





#23

Vinyl Acetate

Concen: 106.07 ug/l

RT: 4.81 min Scan# 334

Delta R.T. -0.01 min

Lab File: VD060294.D

Acq: 7 Nov 2018 12:00

Instrument :

MSVOA_D

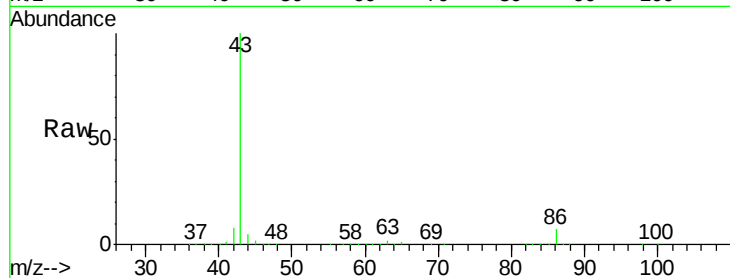
ClientSampled :

Tot Ion: 43 Resp: 3048088

Ion Ratio Lower Upper

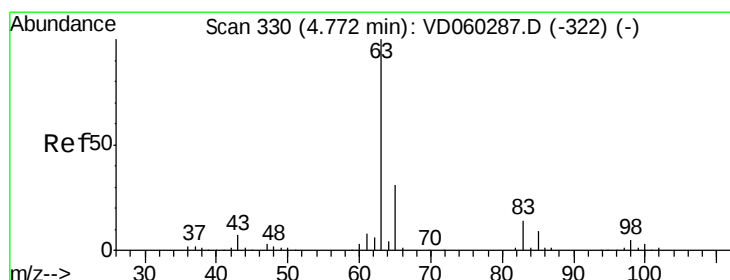
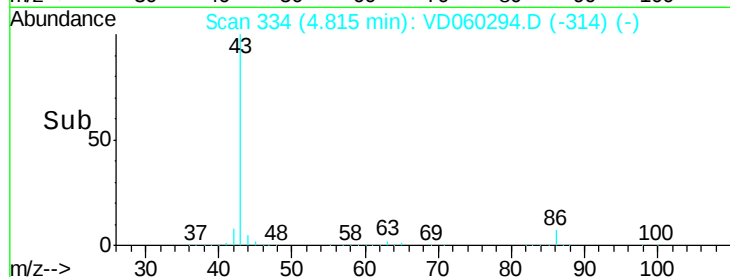
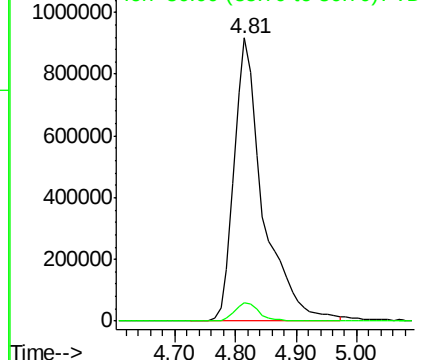
43 100

86 6.6 5.7 8.5



Abundance Ion 42.95 (42.65 to 43.65): VD

Ion 86.00 (85.70 to 86.70): VD



#24

1,1-Dichloroethane

Concen: 20.88 ug/l

RT: 4.77 min Scan# 329

Delta R.T. -0.01 min

Lab File: VD060294.D

Acq: 7 Nov 2018 12:00

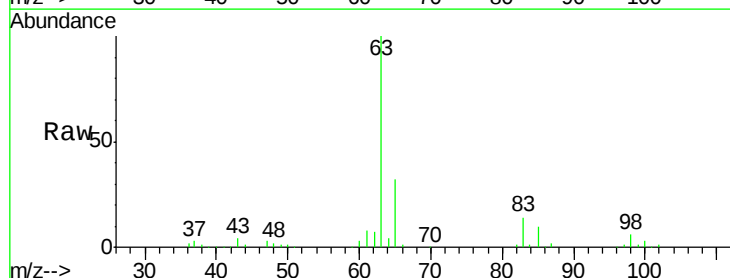
Tgt Ion: 63 Resp: 618218

Ion Ratio Lower Upper

63 100

98 5.7 2.8 8.4

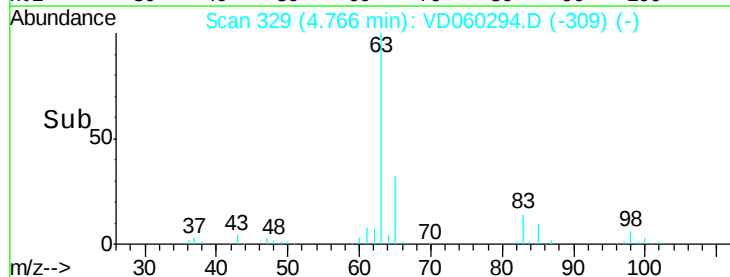
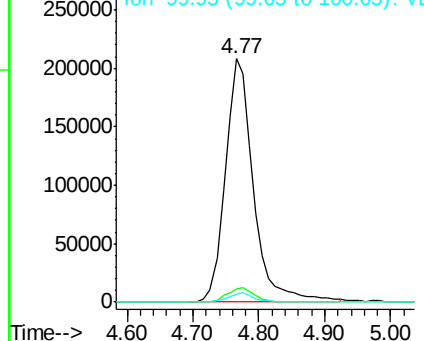
100 3.4 1.8 5.5

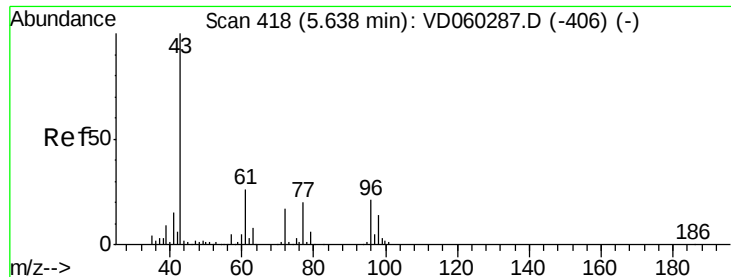


Abundance Ion 62.95 (62.65 to 63.65): VD

Ion 97.95 (97.65 to 98.65): VD

Ion 99.95 (99.65 to 100.65): VD





#25

2-Butanone

Concen: 107.53 ug/l

RT: 5.63 min Scan# 417

Delta R.T. -0.01 min

Lab File: VD060294.D

Acq: 7 Nov 2018 12:00

Instrument :

MSVOA_D

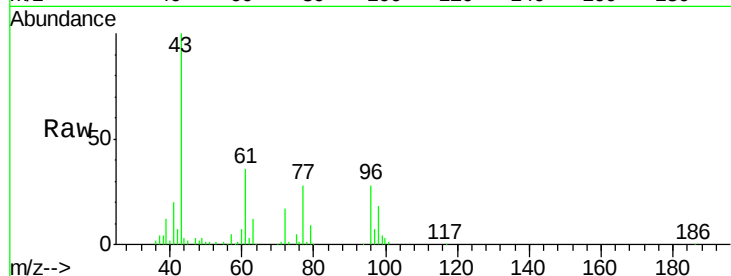
ClientSampled :

Tot Ion: 43 Resp: 459620

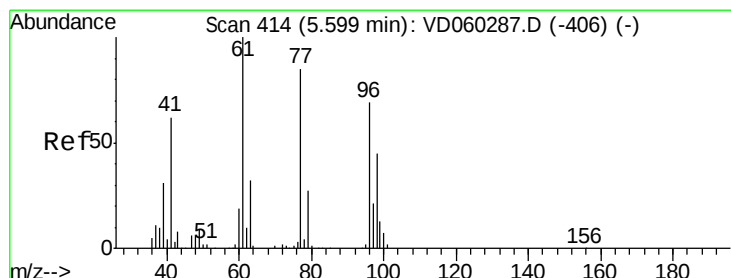
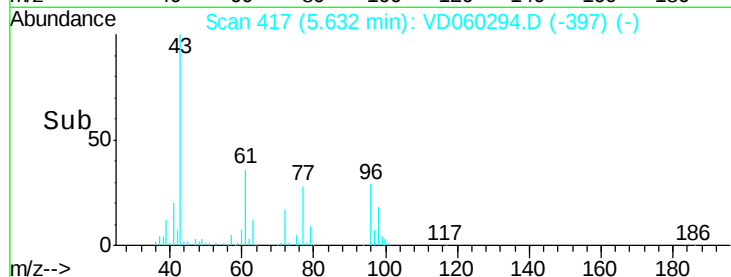
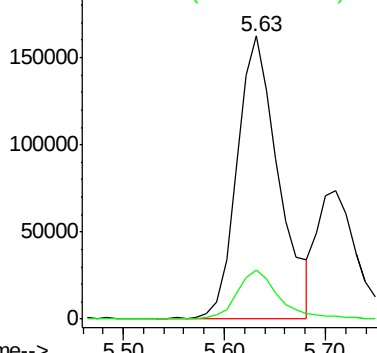
Ion Ratio Lower Upper

43 100

72 17.2 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VD
Ion 72.00 (71.70 to 72.70): VD



#26

2,2-Dichloropropane

Concen: 21.73 ug/l

RT: 5.60 min Scan# 414

Delta R.T. 0.00 min

Lab File: VD060294.D

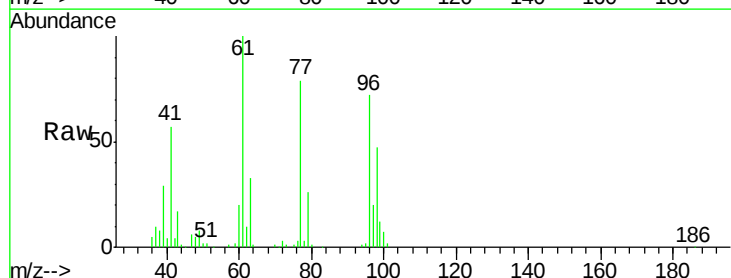
Acq: 7 Nov 2018 12:00

Tgt Ion: 77 Resp: 500415

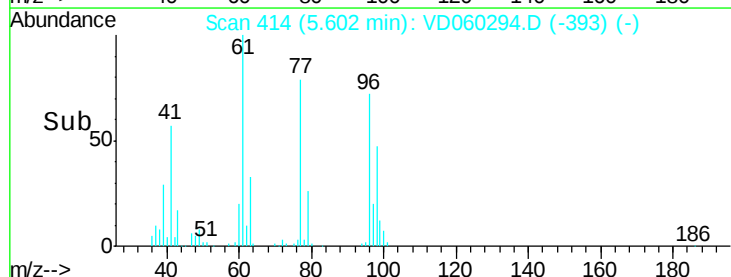
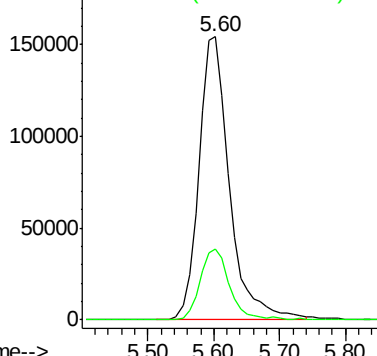
Ion Ratio Lower Upper

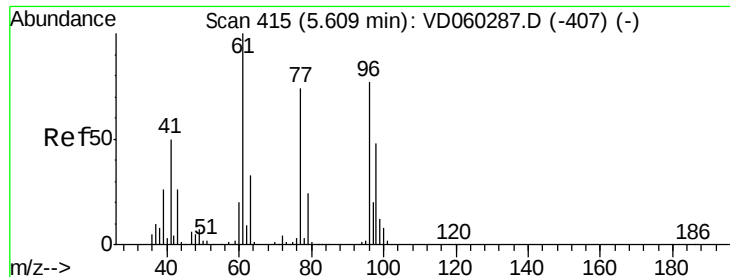
77 100

97 25.0 12.6 37.8



Abundance Ion 76.95 (76.65 to 77.65): VD
Ion 96.85 (96.55 to 97.55): VD





#27

cis-1,2-Dichloroethene

Concen: 20.67 ug/l

RT: 5.60 min Scan# 414

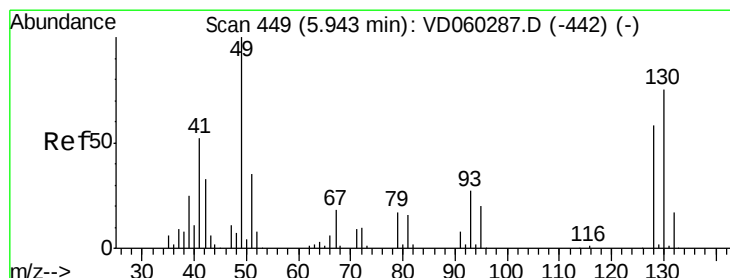
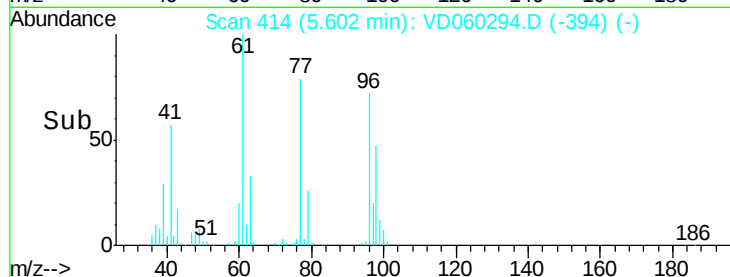
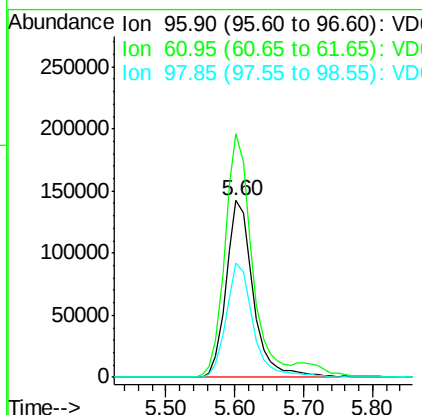
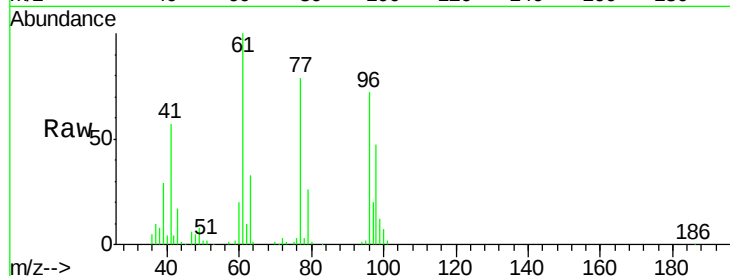
Delta R.T. -0.01 min

Lab File: VD060294.D

Acq: 7 Nov 2018 12:00

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:	96	Resp:	386352
Ion	Ratio	Lower	Upper
96	100		
61	138.0	0.0	259.0
98	65.0	0.0	128.8



#28

Bromochloromethane

Concen: 20.33 ug/l

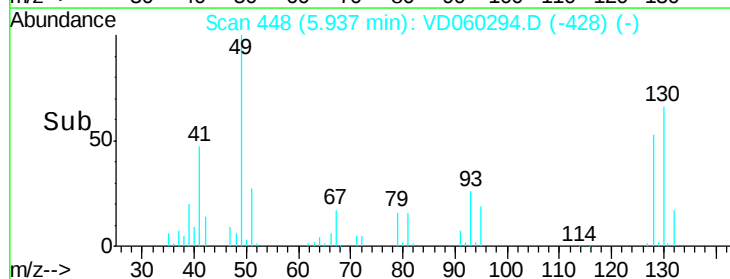
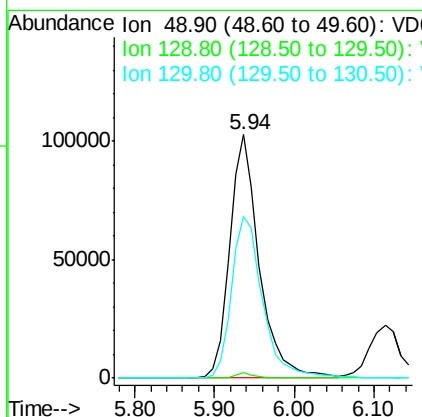
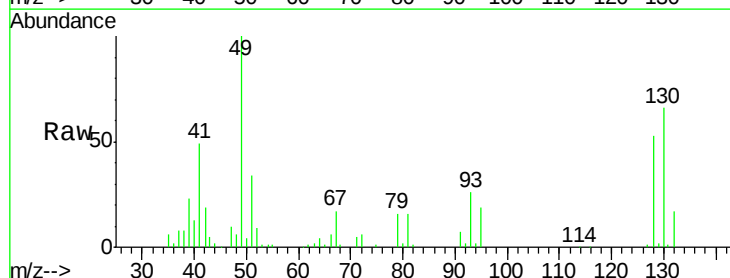
RT: 5.94 min Scan# 448

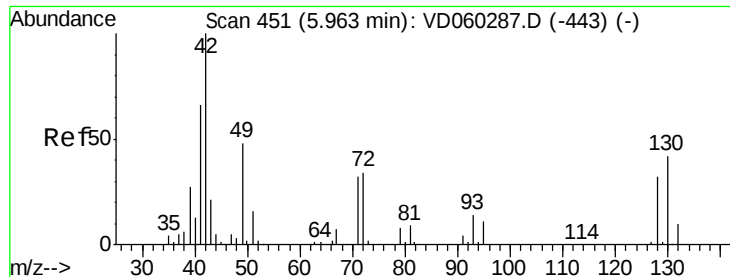
Delta R.T. -0.01 min

Lab File: VD060294.D

Acq: 7 Nov 2018 12:00

Tgt Ion:	49	Resp:	265617
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	2.8
130	66.3	53.6	80.4

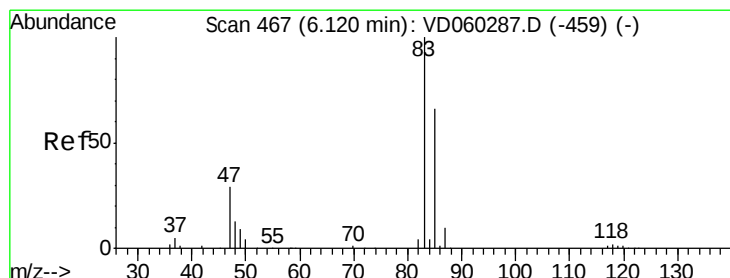
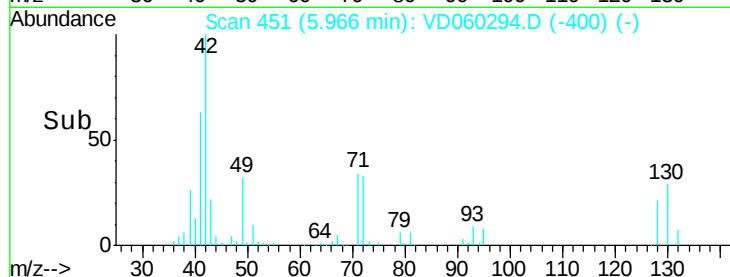
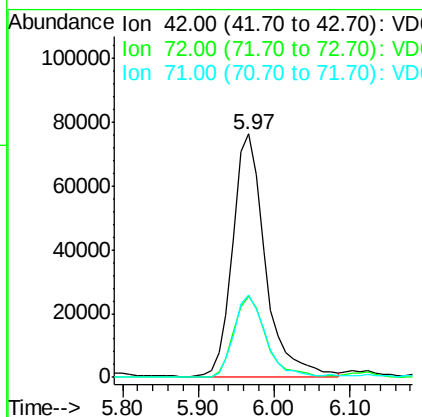
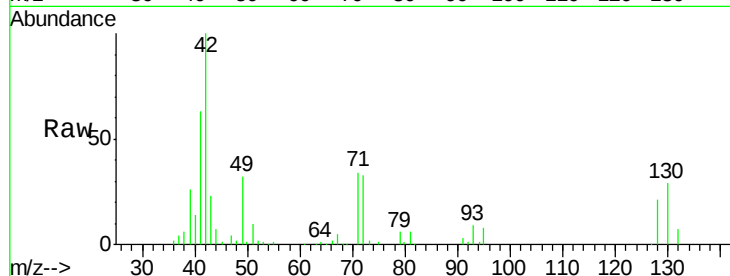




#29
Tetrahydrofuran
Concen: 101.62 ug/l
RT: 5.97 min Scan# 451
Delta R.T. 0.00 min
Lab File: VD060294.D
Acq: 7 Nov 2018 12:00

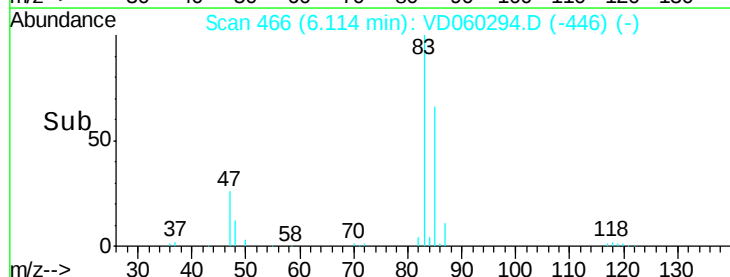
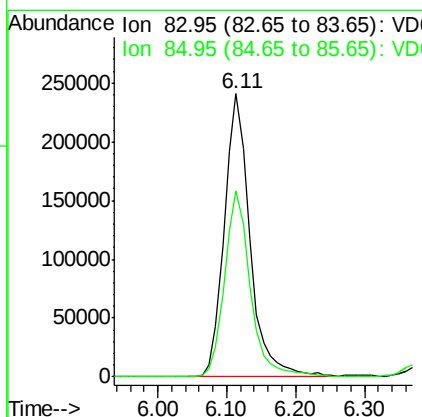
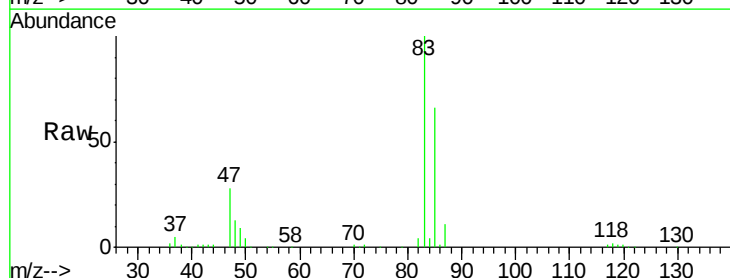
Instrument :
MSVOA_D
ClientSampleId :

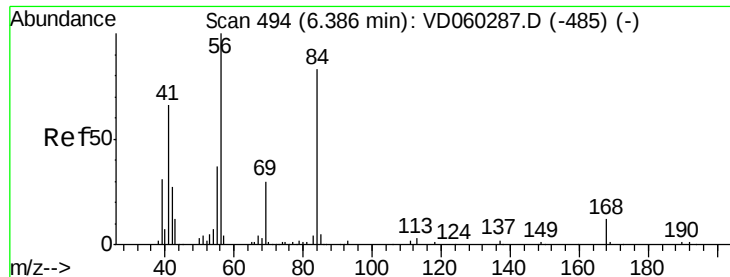
Tot Ion	Ratio	Lower	Upper
42	100		
72	32.9	27.6	41.4
71	32.9	26.5	39.7



#30
Chloroform
Concen: 21.09 ug/l
RT: 6.11 min Scan# 466
Delta R.T. -0.01 min
Lab File: VD060294.D
Acq: 7 Nov 2018 12:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.5	78.7

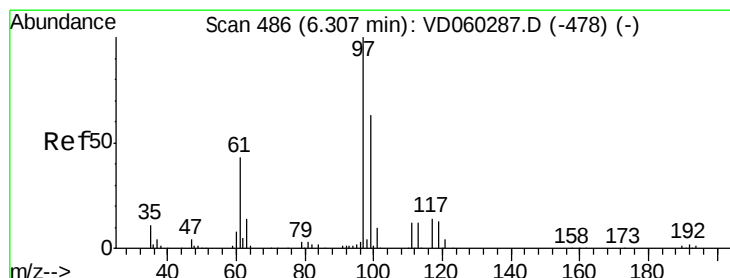
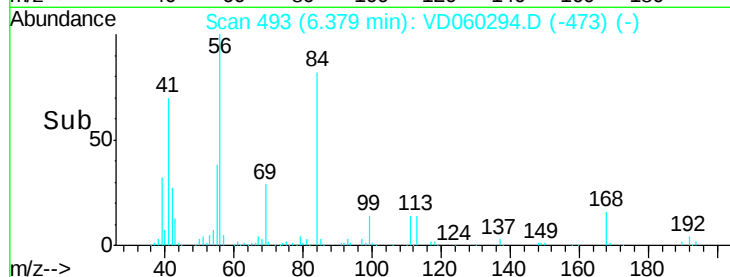
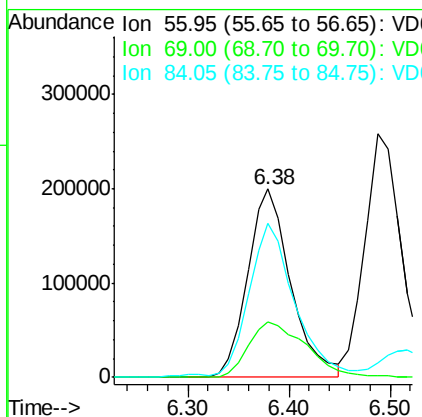
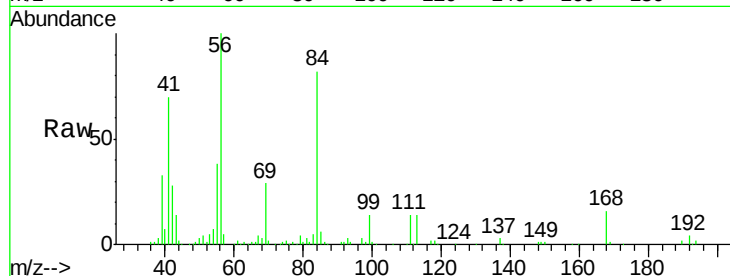




#31
Cyclohexane
Concen: 21.01 ug/l
RT: 6.38 min Scan# 493
Delta R.T. -0.01 min
Lab File: VD060294.D
Acq: 7 Nov 2018 12:00

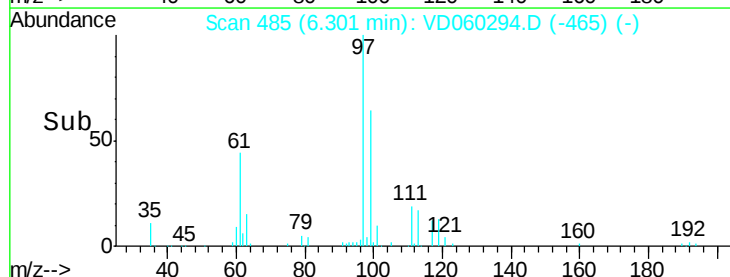
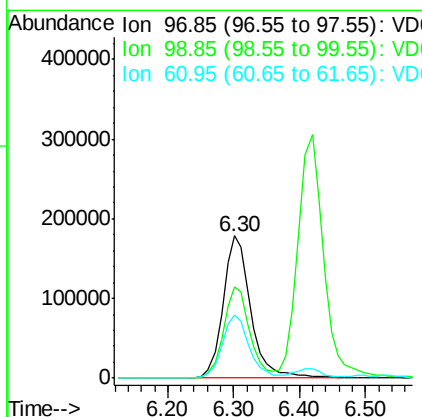
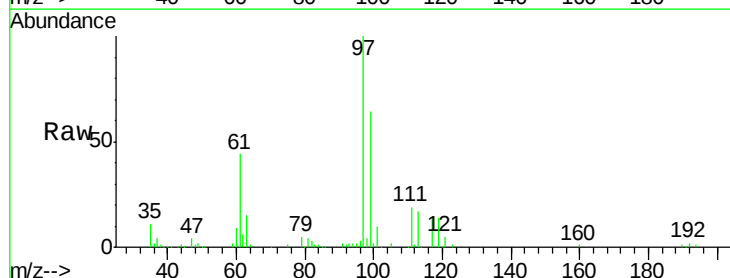
Instrument :
MSVOA_D
ClientSampleId :

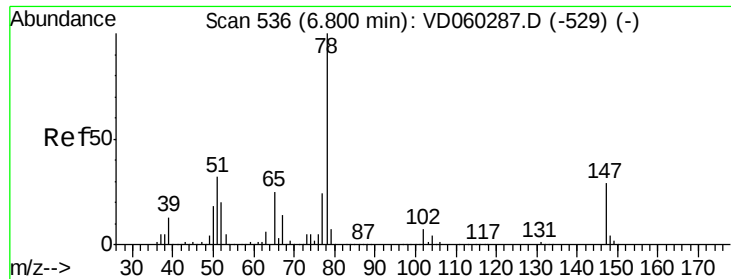
Tot Ion	56	Resp	594798
Ion Ratio	Lower	Upper	
56	100		
69	29.2	22.2	33.2
84	81.9	63.0	94.4



#32
1,1,1-Trichloroethane
Concen: 20.86 ug/l
RT: 6.30 min Scan# 485
Delta R.T. -0.01 min
Lab File: VD060294.D
Acq: 7 Nov 2018 12:00

Tgt Ion	97	Resp	520148
Ion Ratio	Lower	Upper	
97	100		
99	64.2	51.5	77.3
61	44.0	35.8	53.8





#33

1,2-Dichloroethane-d4

Concen: 20.86 ug/l

RT: 6.79 min Scan# 535

Delta R.T. -0.01 min

Lab File: VD060294.D

Acq: 7 Nov 2018 12:00

Instrument :

MSVOA_D

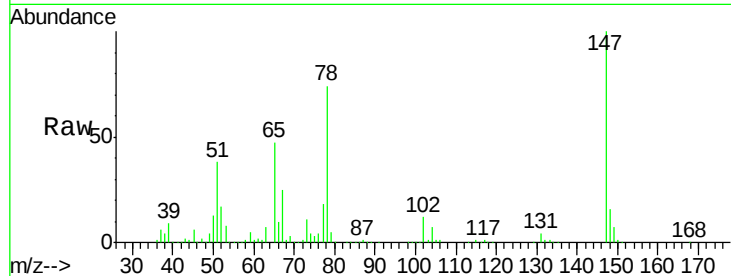
ClientSampleId :

Tot Ion: 65 Resp: 593126

Ion Ratio Lower Upper

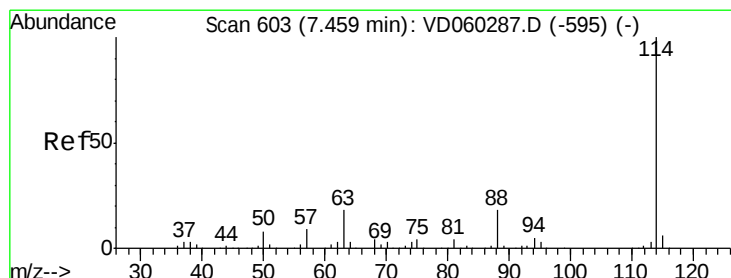
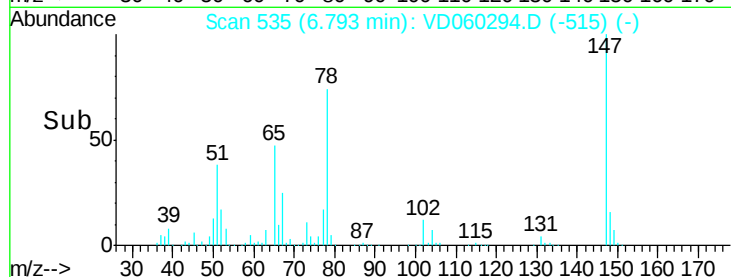
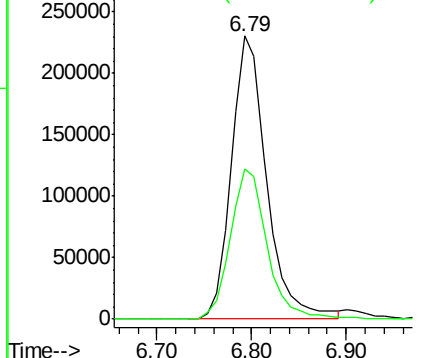
65 100

67 52.9 0.0 109.8



Abundance Ion 64.95 (64.65 to 65.65): VD

Ion 66.90 (66.60 to 67.60): VD



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.45 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD060294.D

Acq: 7 Nov 2018 12:00

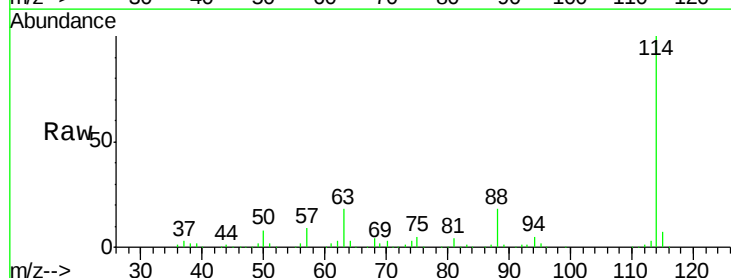
Tgt Ion: 114 Resp: 2220582

Ion Ratio Lower Upper

114 100

63 18.2 0.0 34.0

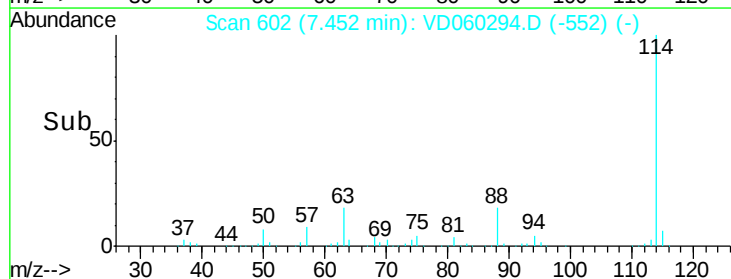
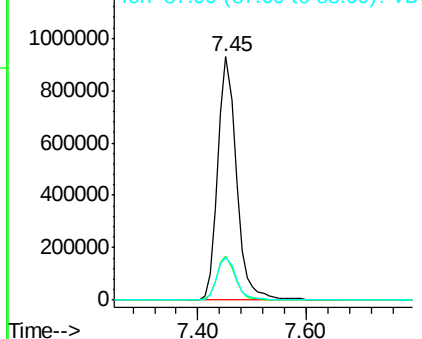
88 17.6 0.0 35.4

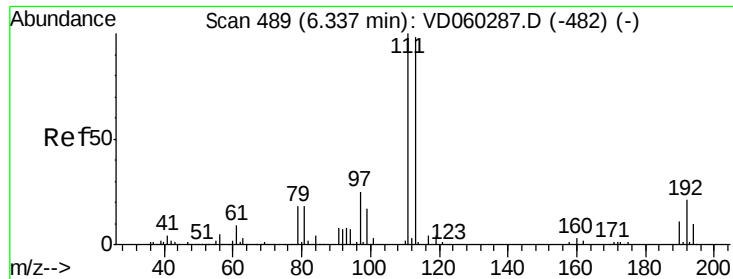


Abundance Ion 114.00 (113.70 to 114.70):

Ion 62.95 (62.65 to 63.65): VD

Ion 87.90 (87.60 to 88.60): VD

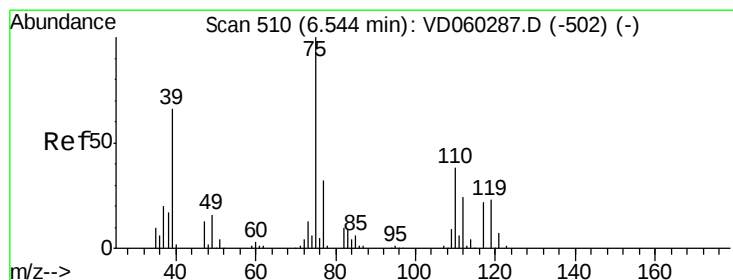
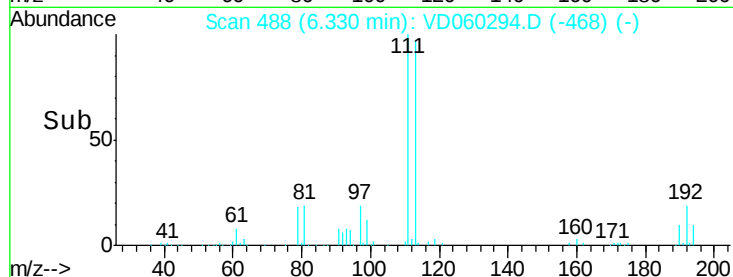
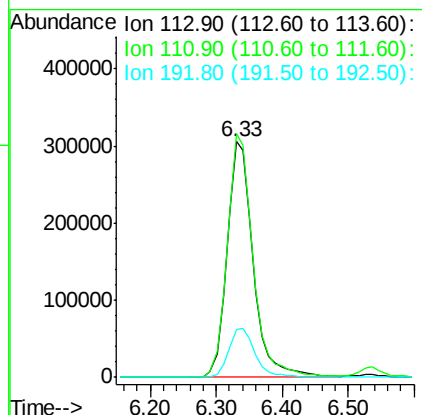
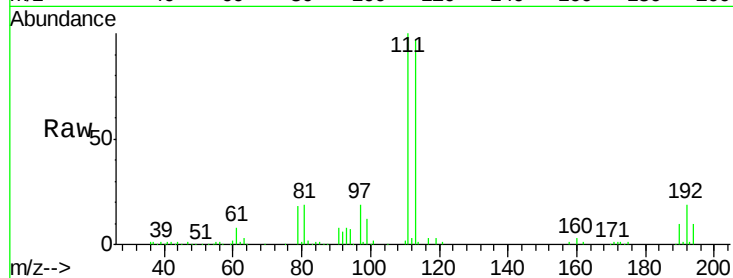




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.33 min Scan# 488
 Delta R.T. -0.01 min
 Lab File: VD060294.D
 Acq: 7 Nov 2018 12:00

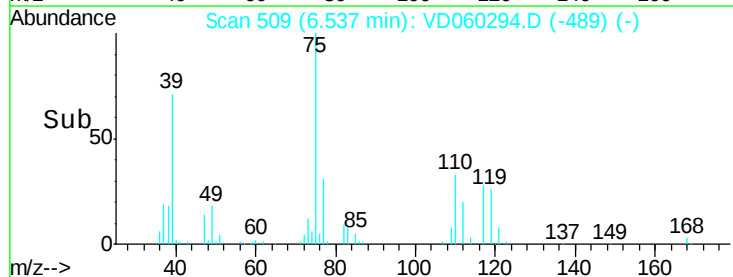
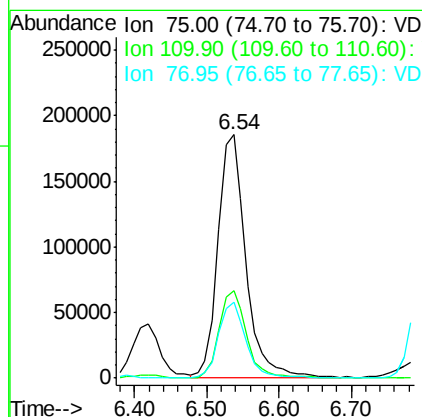
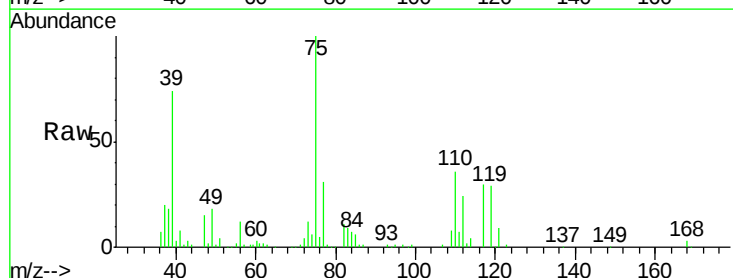
Instrument :
 MSVOA_D
 ClientSampleId :

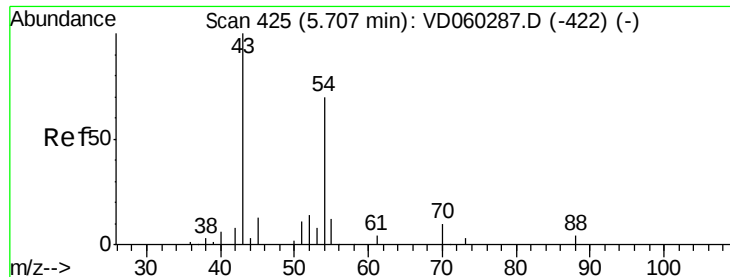
Tot Ion:113 Resp: 848586
 Ion Ratio Lower Upper
 113 100
 111 103.2 81.6 122.4
 192 20.0 16.5 24.7



#36
 1,1-Dichloropropene
 Concen: 22.33 ug/l
 RT: 6.54 min Scan# 509
 Delta R.T. -0.01 min
 Lab File: VD060294.D
 Acq: 7 Nov 2018 12:00

Tgt Ion: 75 Resp: 489971
 Ion Ratio Lower Upper
 75 100
 110 35.9 18.0 54.0
 77 31.1 25.6 38.4

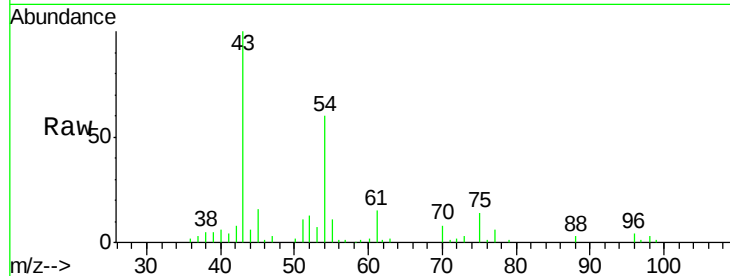




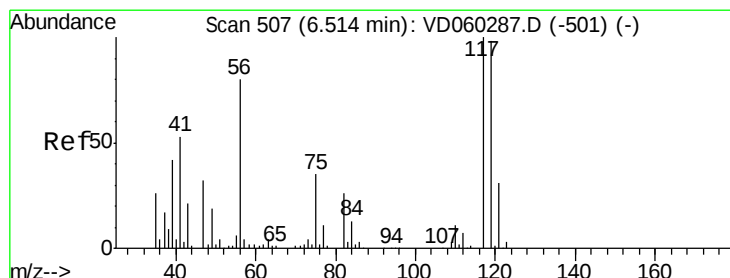
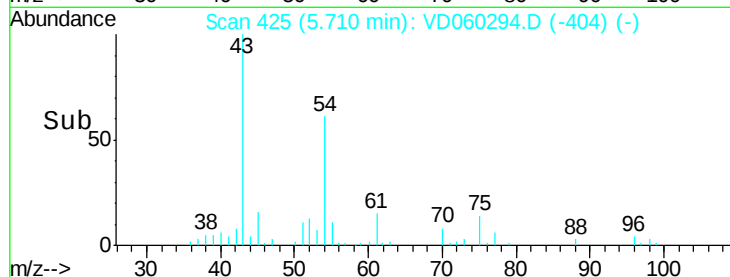
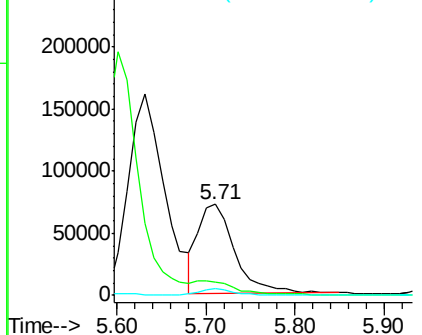
#37
Ethyl Acetate
Concen: 20.23 ug/l
RT: 5.71 min Scan# 425
Delta R.T. 0.00 min
Lab File: VD060294.D
Acq: 7 Nov 2018 12:00

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 204178
Ion Ratio Lower Upper
43 100
61 15.0 11.8 17.6
70 8.2 6.2 9.4

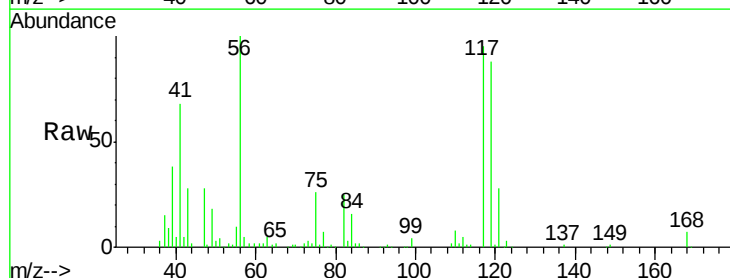


Abundance Ion 42.95 (42.65 to 43.65): VD
Ion 60.95 (60.65 to 61.65): VD
Ion 70.00 (69.70 to 70.70): VD

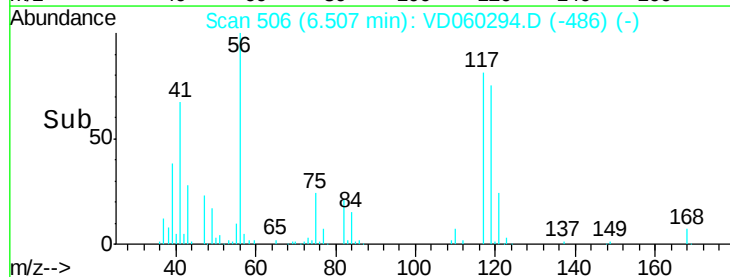
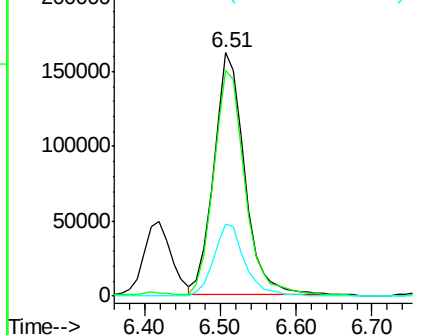


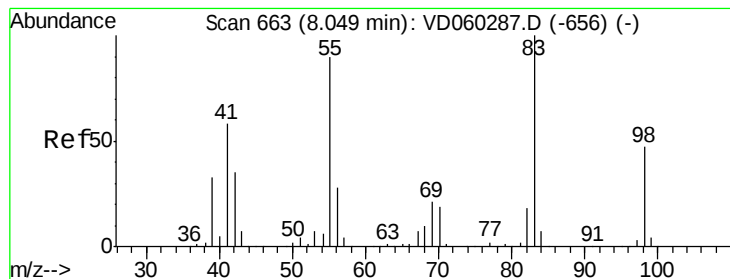
#38
Carbon Tetrachloride
Concen: 22.53 ug/l
RT: 6.51 min Scan# 506
Delta R.T. -0.01 min
Lab File: VD060294.D
Acq: 7 Nov 2018 12:00

Tgt Ion: 117 Resp: 458522
Ion Ratio Lower Upper
117 100
119 92.8 76.6 115.0
121 29.4 24.3 36.5



Abundance Ion 116.85 (116.55 to 117.55):
Ion 118.85 (118.55 to 119.55):
Ion 120.85 (120.55 to 121.55):





#39

Methvlcvclohexane

Concen: 21.68 ug/l

RT: 8.04 min Scan# 662

Delta R.T. -0.01 min

Lab File: VD060294.D

Acq: 7 Nov 2018 12:00

Instrument :

MSVOA_D

ClientSampled :

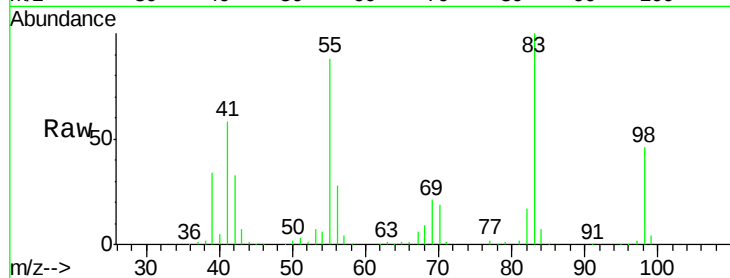
Tot Ion: 83 Resp: 547131

Ion Ratio Lower Upper

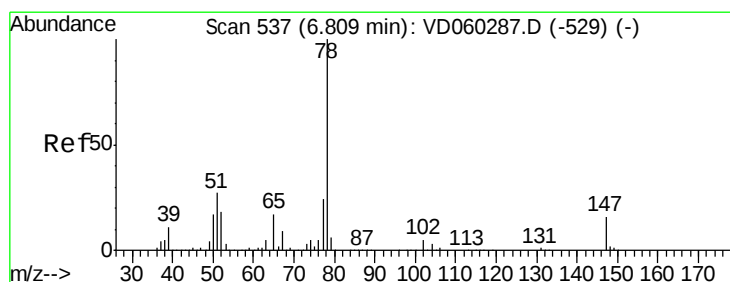
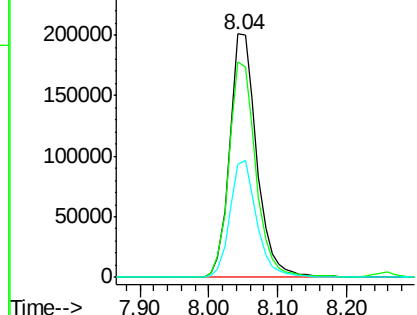
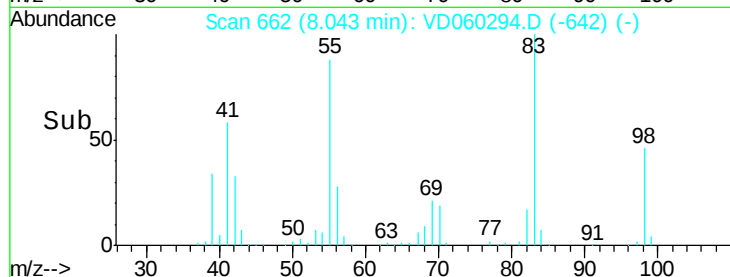
83 100

55 88.4 71.2 106.8

98 46.3 38.4 57.6



Abundance Ion 83.05 (82.75 to 83.75): VD
Ion 55.00 (54.70 to 55.70): VD
Ion 98.05 (97.75 to 98.75): VD



#40

Benzene

Concen: 21.95 ug/l

RT: 6.80 min Scan# 536

Delta R.T. -0.01 min

Lab File: VD060294.D

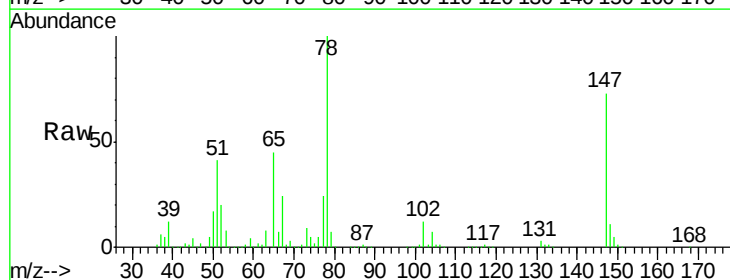
Acq: 7 Nov 2018 12:00

Tgt Ion: 78 Resp: 1229266

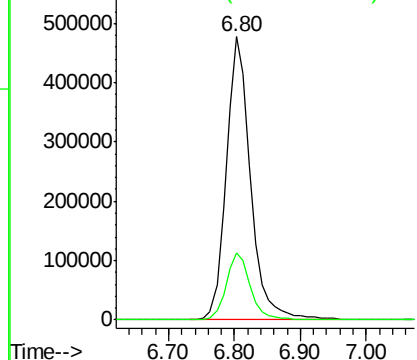
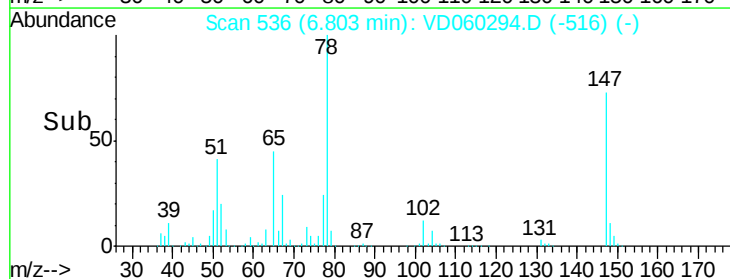
Ion Ratio Lower Upper

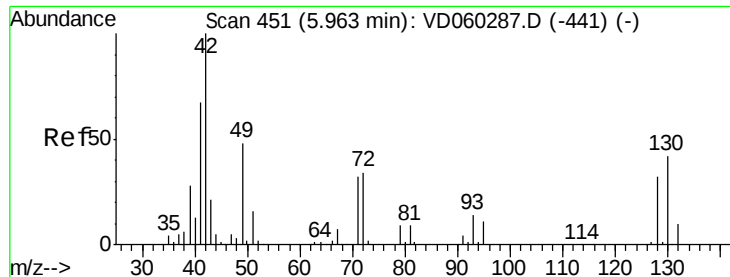
78 100

77 23.9 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): VD
Ion 76.95 (76.65 to 77.65): VD

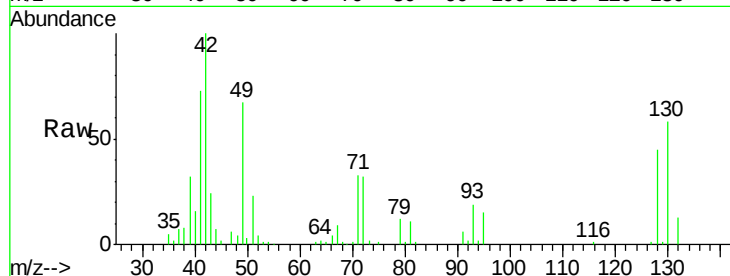




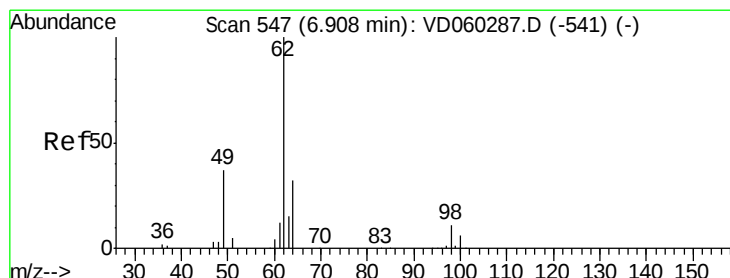
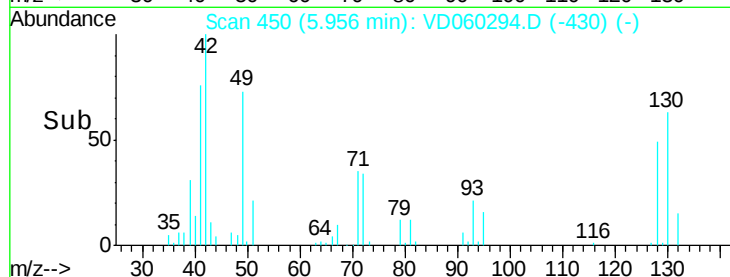
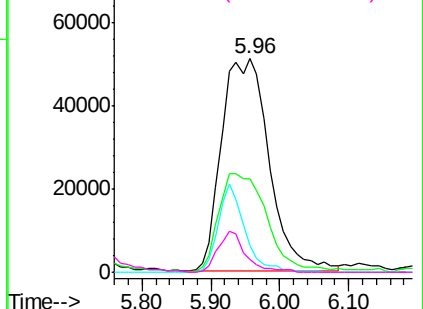
#41
Methacrylonitrile
Concen: 21.07 ug/l
RT: 5.96 min Scan# 450
Delta R.T. -0.01 min
Lab File: VD060294.D
Acq: 7 Nov 2018 12:00

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	41	Resp:	243493
Ion	Ratio	Lower	Upper
41	100		
39	43.8	36.2	54.2
67	12.4	11.9	17.9
52	5.8	5.2	7.8

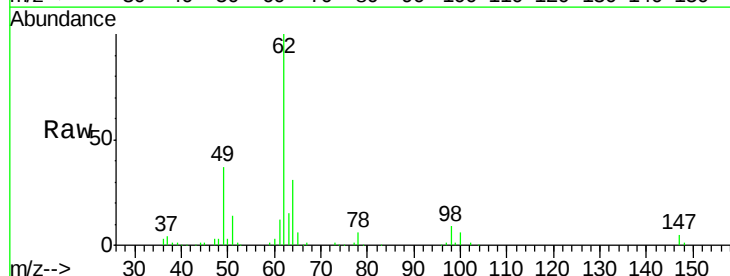


Abundance Ion 40.95 (40.65 to 41.65): VD
Ion 38.95 (38.65 to 39.65): VD
Ion 67.00 (66.70 to 67.70): VD
Ion 52.00 (51.70 to 52.70): VD

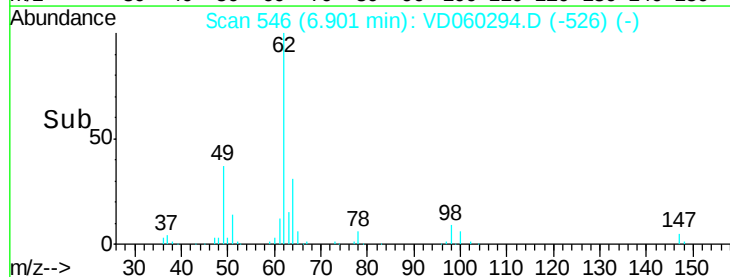
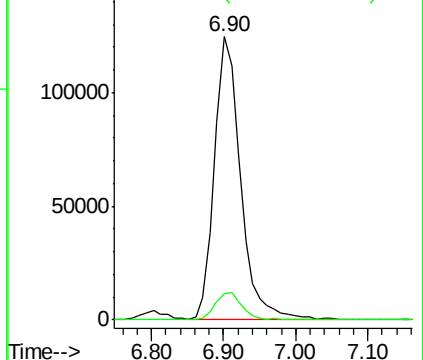


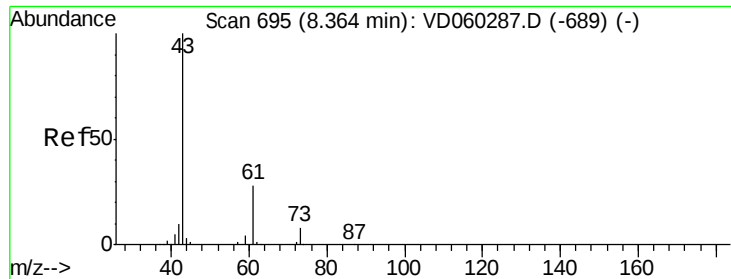
#42
1,2-Dichloroethane
Concen: 21.16 ug/l
RT: 6.90 min Scan# 546
Delta R.T. -0.01 min
Lab File: VD060294.D
Acq: 7 Nov 2018 12:00

Tgt Ion:	62	Resp:	310201
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	22.0



Abundance Ion 61.95 (61.65 to 62.65): VD
Ion 97.85 (97.55 to 98.55): VD



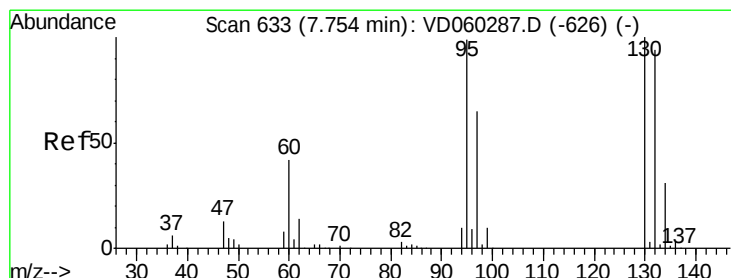
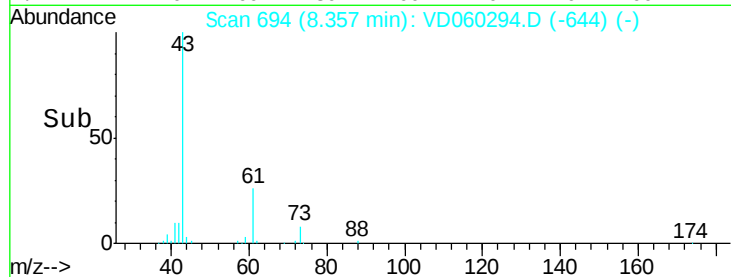
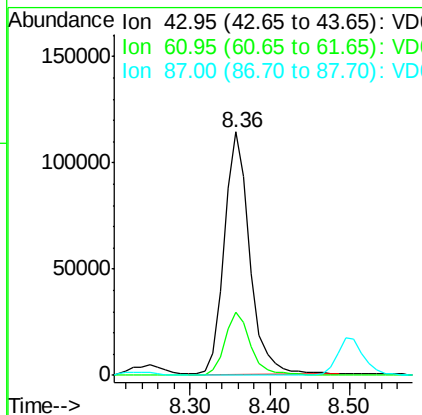
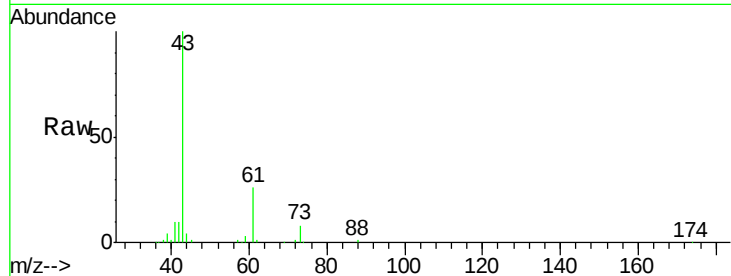


#43

Isopropyl Acetate
 Concen: 20.34 ug/l
 RT: 8.36 min Scan# 694
 Delta R.T. -0.01 min
 Lab File: VD060294.D
 Acq: 7 Nov 2018 12:00

Instrument :
 MSVOA_D
 ClientSampled :

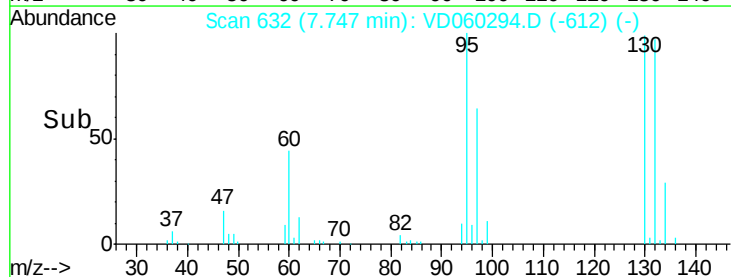
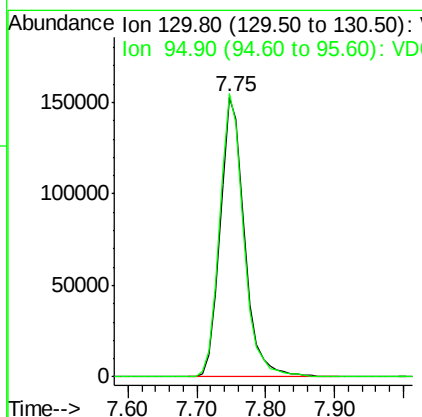
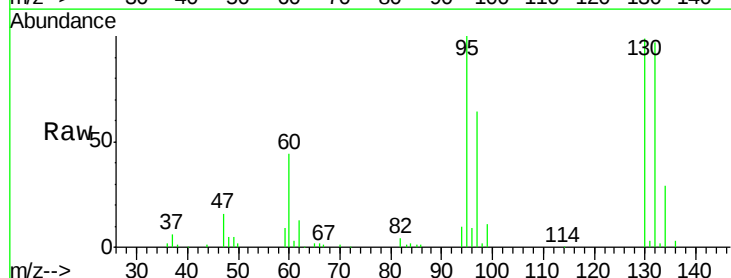
Tot Ion: 43 Resp: 257887
 Ion Ratio Lower Upper
 43 100
 61 25.9 22.3 33.5
 87 0.0 0.2 0.2#

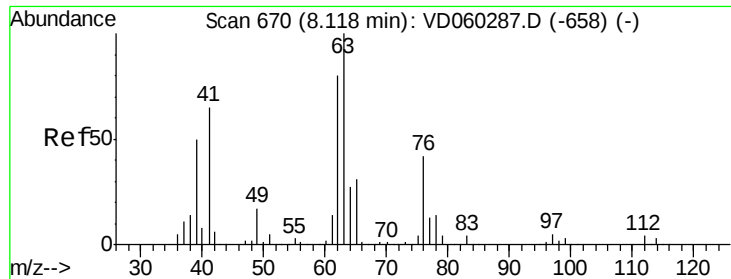


#44

Trichloroethene
 Concen: 21.80 ug/l
 RT: 7.75 min Scan# 632
 Delta R.T. -0.01 min
 Lab File: VD060294.D
 Acq: 7 Nov 2018 12:00

Tgt Ion: 130 Resp: 370064
 Ion Ratio Lower Upper
 130 100
 95 101.3 0.0 200.0





#45

1,2-Dichloropropane

Concen: 21.36 ug/l

RT: 8.11 min Scan# 669

Delta R.T. -0.01 min

Lab File: VD060294.D

Acq: 7 Nov 2018 12:00

Instrument :

MSVOA_D

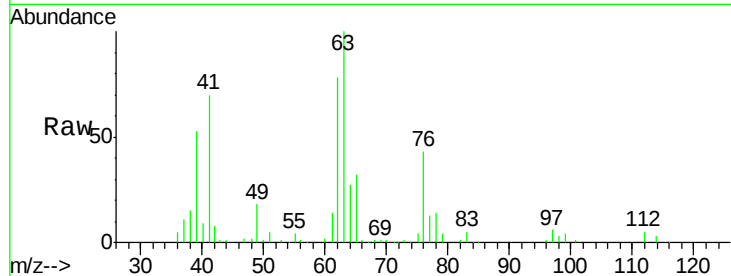
ClientSampled :

Tot Ion: 63 Resp: 301624

Ion Ratio Lower Upper

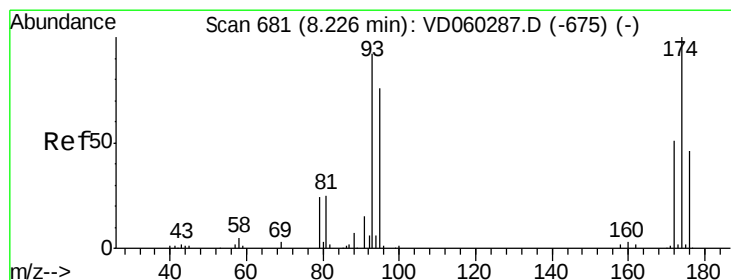
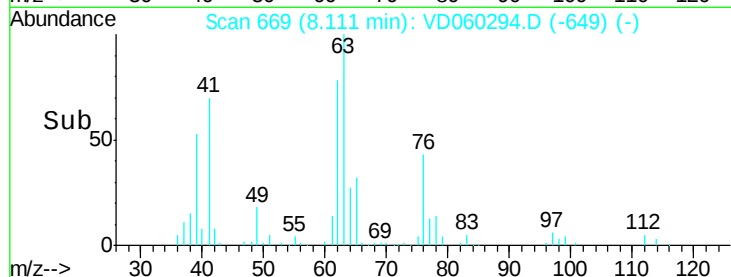
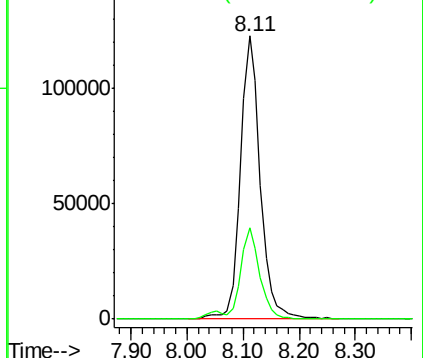
63 100

65 32.1 23.4 35.2



Abundance Ion 62.95 (62.65 to 63.65): VD

Ion 64.95 (64.65 to 65.65): VD



#46

Dibromomethane

Concen: 21.02 ug/l

RT: 8.23 min Scan# 681

Delta R.T. 0.00 min

Lab File: VD060294.D

Acq: 7 Nov 2018 12:00

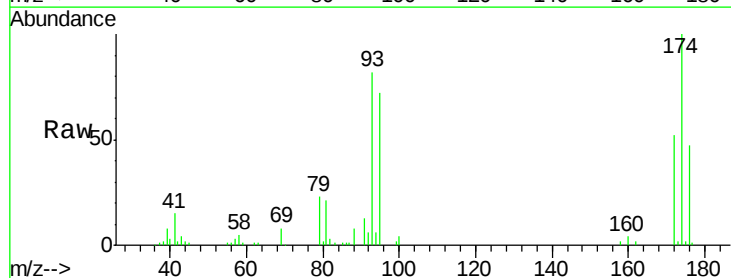
Tgt Ion: 93 Resp: 173903

Ion Ratio Lower Upper

93 100

95 88.1 66.4 99.6

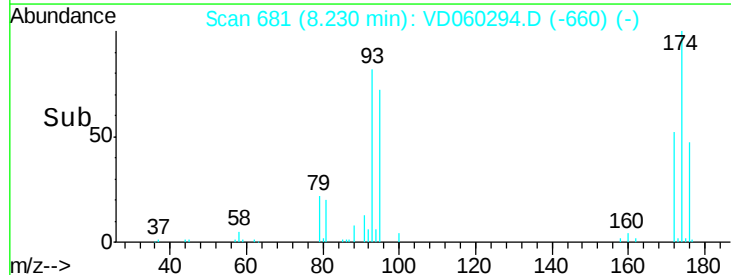
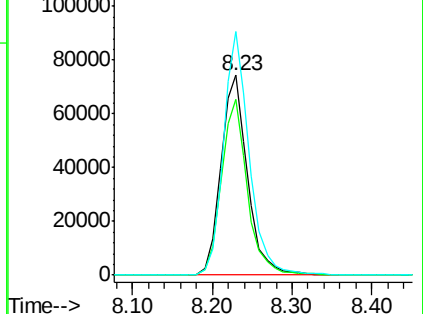
174 121.8 87.8 131.8

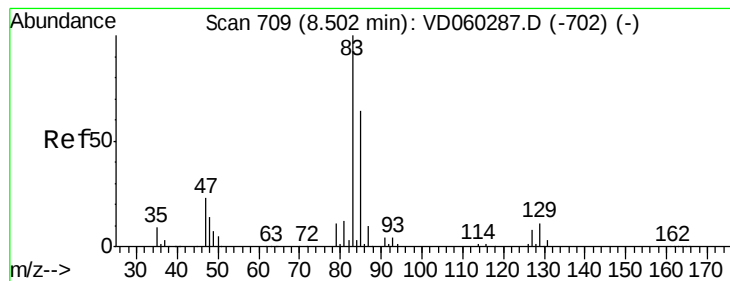


Abundance Ion 92.90 (92.60 to 93.60): VD

Ion 94.90 (94.60 to 95.60): VD

Ion 173.80 (173.50 to 174.50):





#47

Bromodichloromethane

Concen: 21.45 ug/l

RT: 8.51 min Scan# 709

Delta R.T. 0.00 min

Lab File: VD060294.D

Acq: 7 Nov 2018 12:00

Instrument :

MSVOA_D

ClientSampleId :

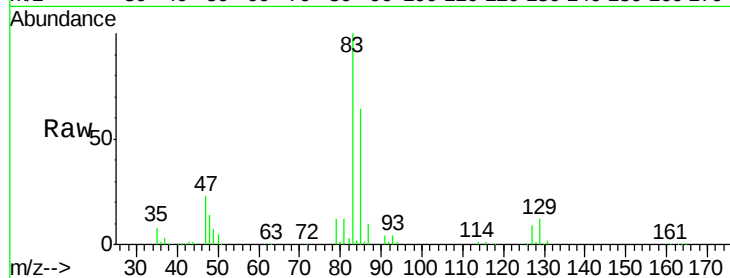
Tot Ion: 83 Resp: 418070

Ion Ratio Lower Upper

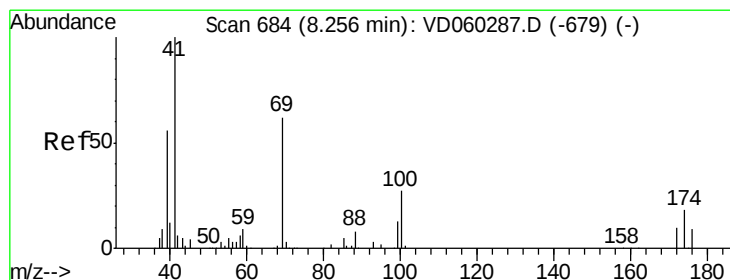
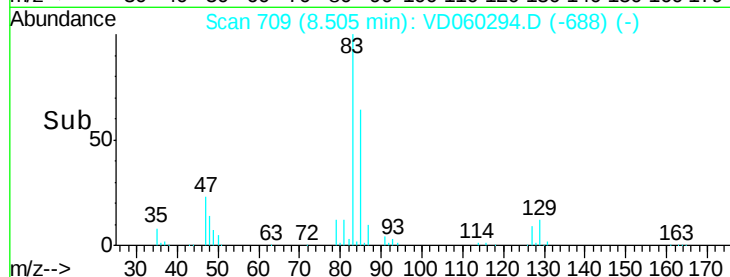
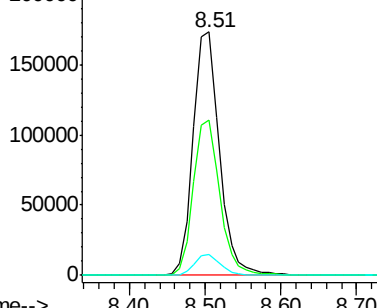
83 100

85 63.7 51.0 76.6

127 8.7 6.2 9.4



Abundance Ion 82.85 (82.55 to 83.55): VD
Ion 84.95 (84.65 to 85.65): VD
Ion 126.80 (126.50 to 127.50):



#48

Methyl methacrylate

Concen: 20.38 ug/l

RT: 8.26 min Scan# 684

Delta R.T. 0.00 min

Lab File: VD060294.D

Acq: 7 Nov 2018 12:00

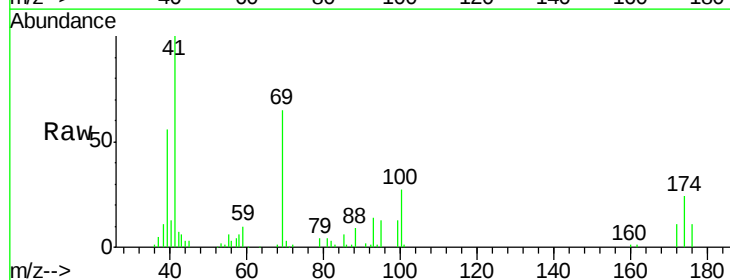
Tgt Ion: 41 Resp: 156960

Ion Ratio Lower Upper

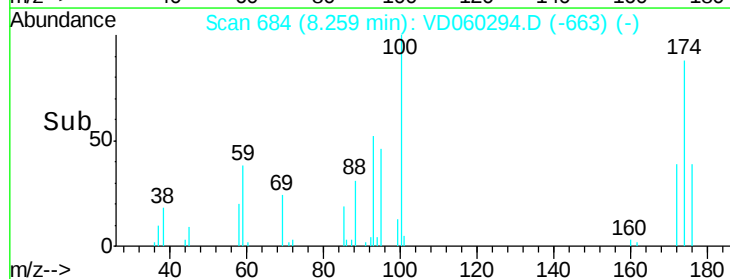
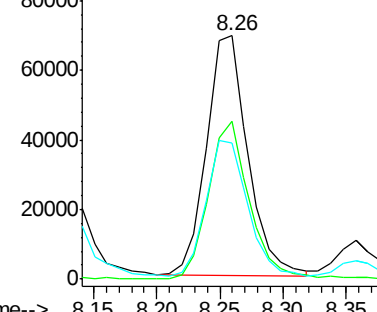
41 100

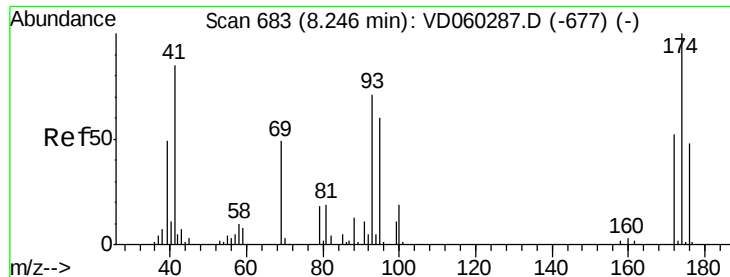
69 65.0 47.0 70.4

39 55.7 46.2 69.4



Abundance Ion 40.95 (40.65 to 41.65): VD
Ion 69.00 (68.70 to 69.70): VD
Ion 38.95 (38.65 to 39.65): VD





#49

1,4-Dioxane

Concen: 405.93 ug/l

RT: 8.23 min Scan# 681

Delta R.T. -0.02 min

Lab File: VD060294.D

Acq: 7 Nov 2018 12:00

Instrument :

MSVOA_D

ClientSampleId :

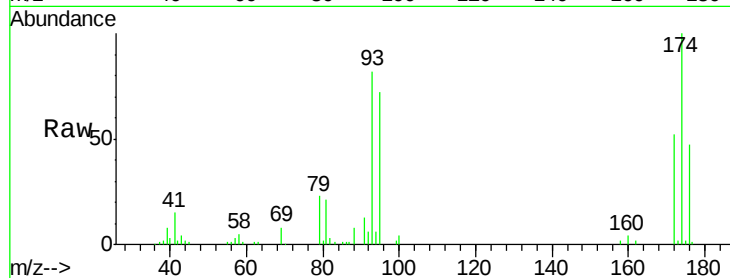
Tot Ion: 88 Resp: 27053

Ion Ratio Lower Upper

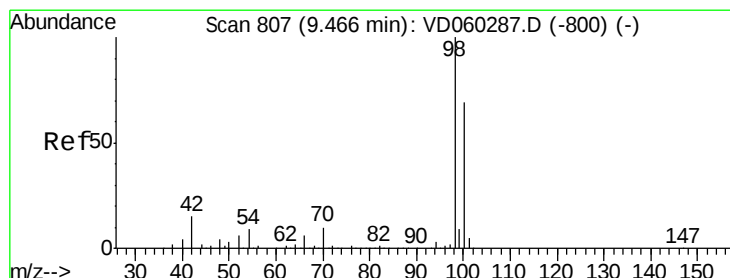
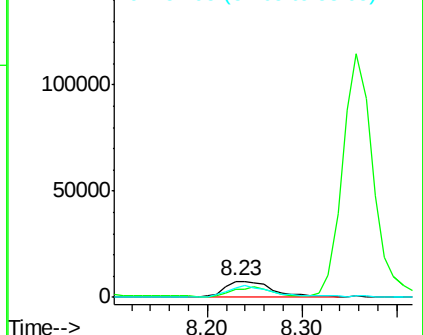
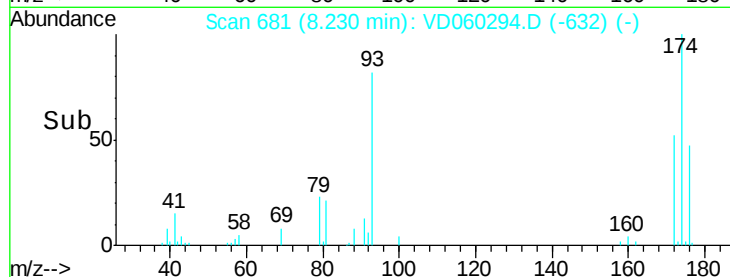
88 100

43 47.2 39.7 59.5

58 57.2 60.2 90.2#



Abundance Ion 88.00 (87.70 to 88.70): VD
Ion 43.05 (42.75 to 43.75): VD
Ion 57.95 (57.65 to 58.65): VD



#50

Toluene-d8

Concen: 405.93 ug/l

RT: 9.46 min Scan# 806

Delta R.T. -0.01 min

Lab File: VD060294.D

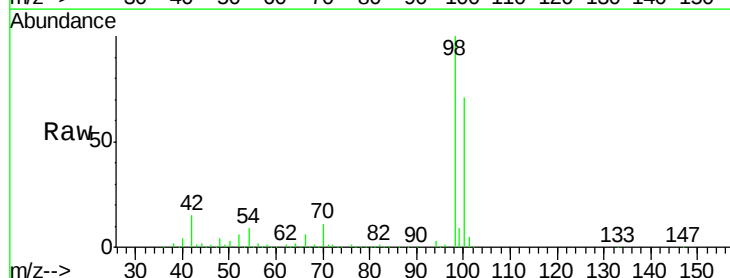
Acq: 7 Nov 2018 12:00

Tgt Ion: 98 Resp: 2402730

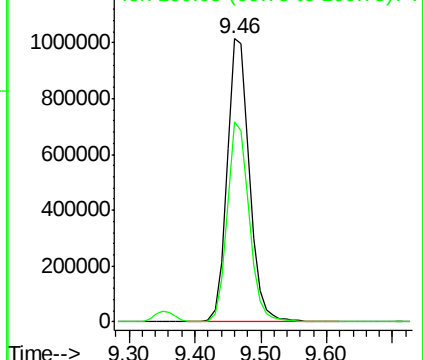
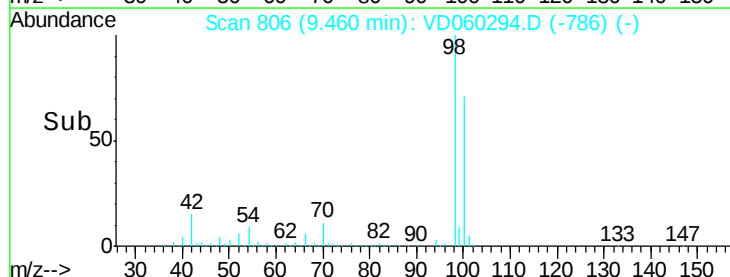
Ion Ratio Lower Upper

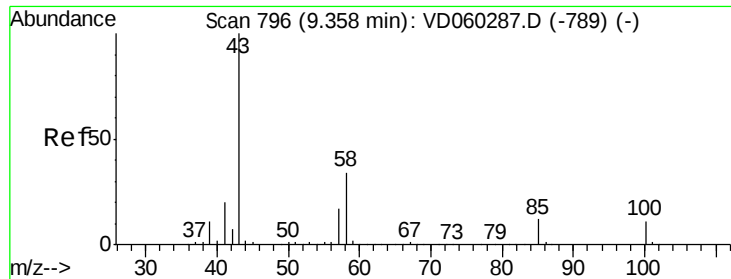
98 100

100 70.8 55.2 82.8



Abundance Ion 98.05 (97.75 to 98.75): VD
Ion 100.05 (99.75 to 100.75): V





#51

4-Methyl-2-Pentanone

Concen: 107.14 ug/l

RT: 9.35 min Scan# 795

Delta R.T. -0.01 min

Lab File: VD060294.D

Acq: 7 Nov 2018 12:00

Instrument :

MSVOA_D

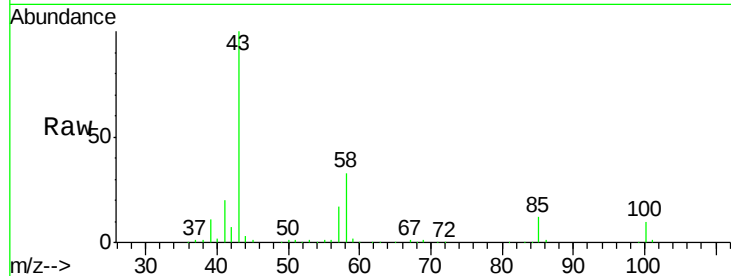
ClientSampleId :

Tot Ion: 43 Resp: 884278

Ion Ratio Lower Upper

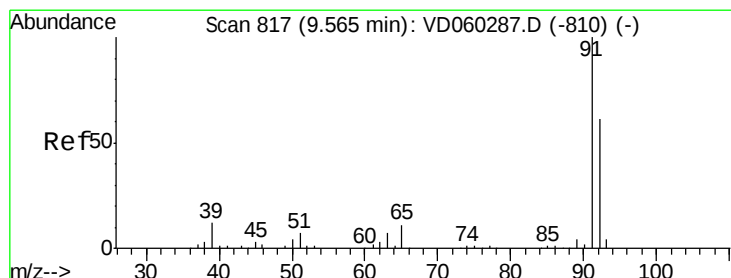
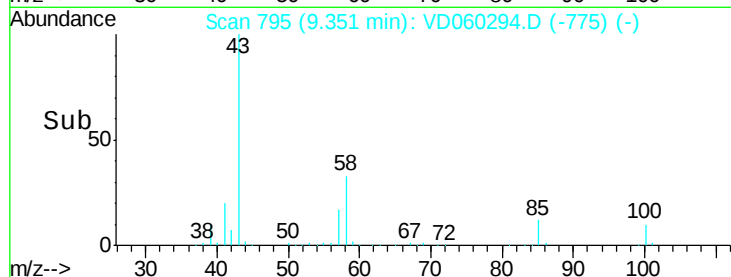
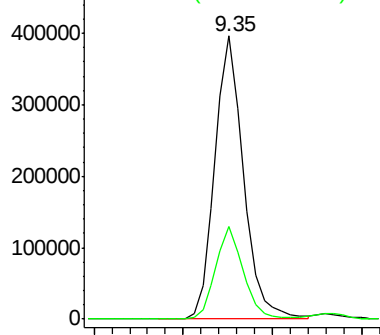
43 100

58 32.7 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VD

Ion 57.95 (57.65 to 58.65): VD



#52

Toluene

Concen: 22.06 ug/l

RT: 9.56 min Scan# 816

Delta R.T. -0.01 min

Lab File: VD060294.D

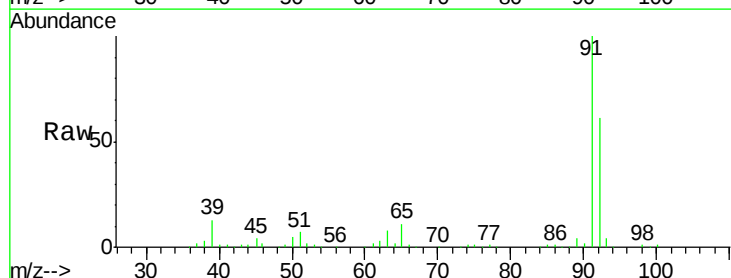
Acq: 7 Nov 2018 12:00

Tgt Ion: 92 Resp: 789065

Ion Ratio Lower Upper

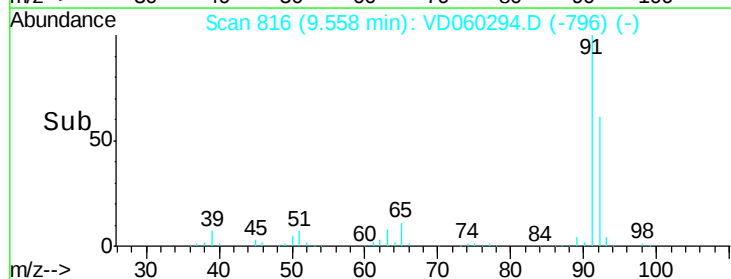
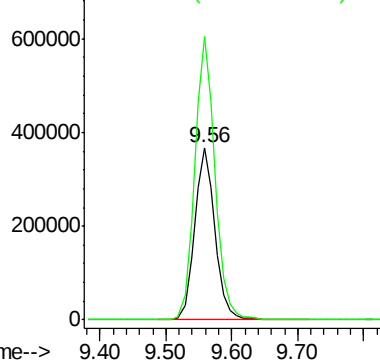
92 100

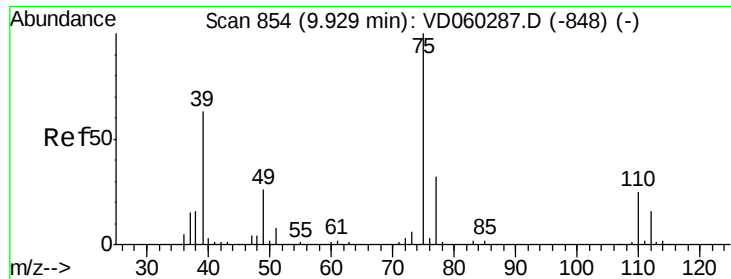
91 164.5 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VD

Ion 91.00 (90.70 to 91.70): VD





#53

t-1,3-Dichloropropene

Concen: 20.82 ug/l

RT: 9.92 min Scan# 853

Delta R.T. -0.01 min

Lab File: VD060294.D

Acq: 7 Nov 2018 12:00

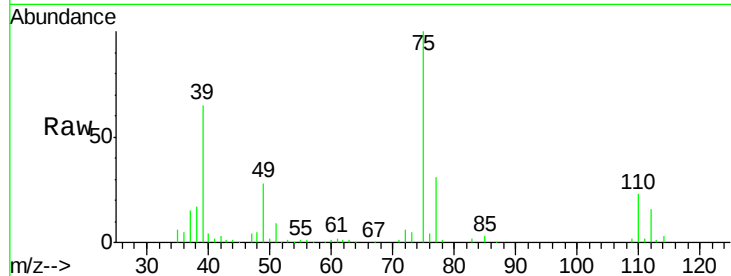
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 75 Resp: 342953

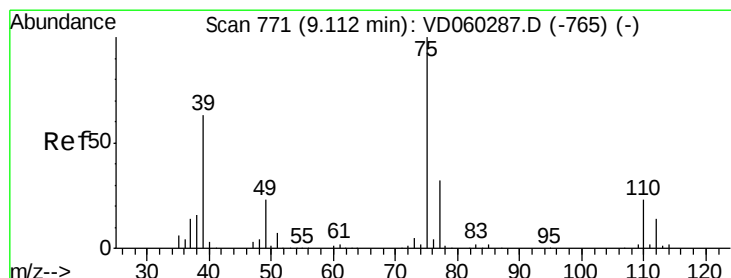
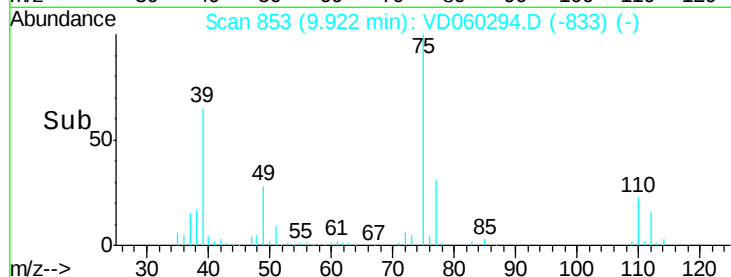
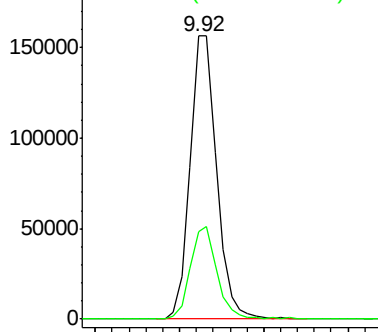
Ion Ratio Lower Upper

75 100

77 31.0 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VD
Ion 76.95 (76.65 to 77.65): VD



#54

cis-1,3-Dichloropropene

Concen: 21.02 ug/l

RT: 9.12 min Scan# 771

Delta R.T. 0.00 min

Lab File: VD060294.D

Acq: 7 Nov 2018 12:00

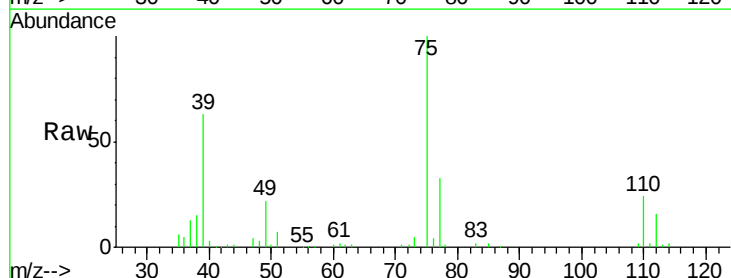
Tgt Ion: 75 Resp: 444024

Ion Ratio Lower Upper

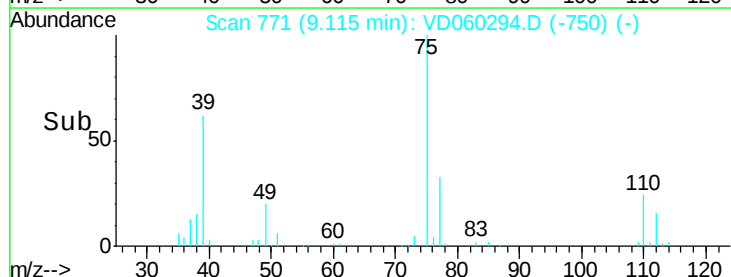
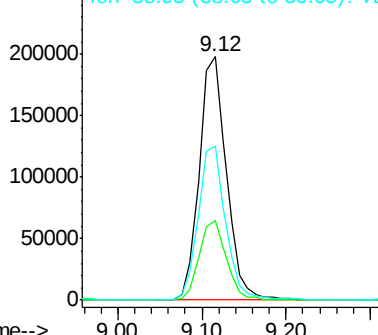
75 100

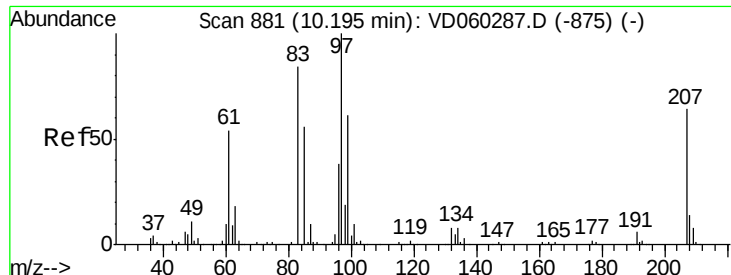
77 32.6 26.3 39.5

39 63.3 50.8 76.2



Abundance Ion 75.00 (74.70 to 75.70): VD
Ion 76.95 (76.65 to 77.65): VD
Ion 38.95 (38.65 to 39.65): VD



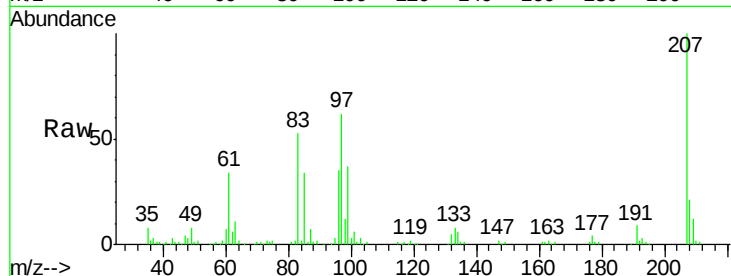


#55
 1,1,2-Trichloroethane
 Concen: 20.60 ug/l
 RT: 10.19 min Scan# 880
 Delta R.T. -0.01 min
 Lab File: VD060294.D
 Acq: 7 Nov 2018 12:00

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 97 Resp: 213594

Ion	Ratio	Lower	Upper
97	100		
83	85.7	68.4	102.6
85	55.4	46.8	70.2
99	59.0	49.5	74.3



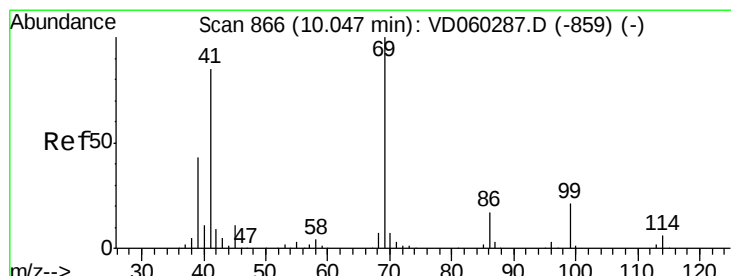
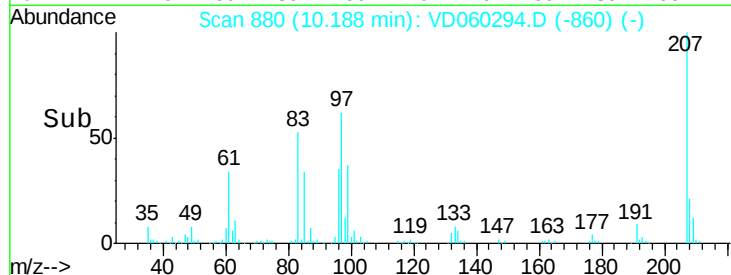
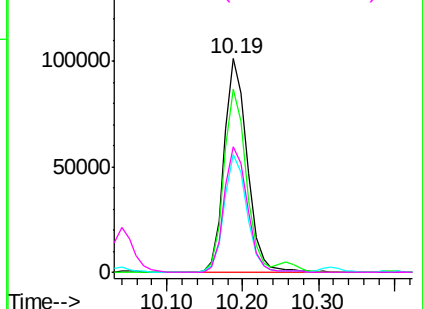
Abundance

Ion 96.85 (96.55 to 97.55): VD

Ion 82.95 (82.65 to 83.65): VD

Ion 84.95 (84.65 to 85.65): VD

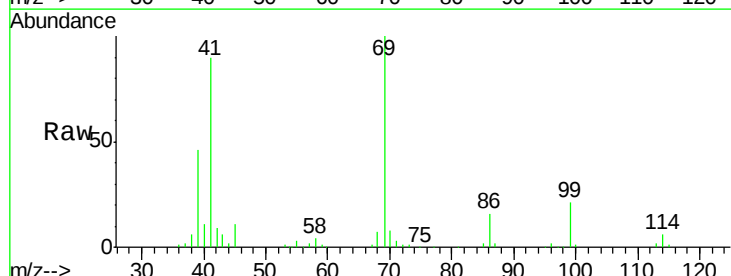
Ion 98.85 (98.55 to 99.55): VD



#56
 Ethyl methacrylate
 Concen: 21.52 ug/l
 RT: 10.04 min Scan# 865
 Delta R.T. -0.01 min
 Lab File: VD060294.D
 Acq: 7 Nov 2018 12:00

Tgt Ion: 69 Resp: 205156

Ion	Ratio	Lower	Upper
69	100		
41	90.3	69.0	103.4
39	45.5	36.6	54.8

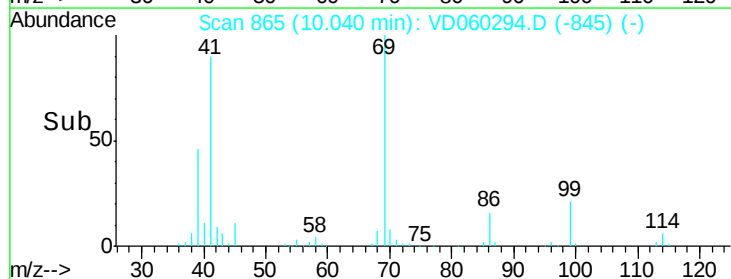
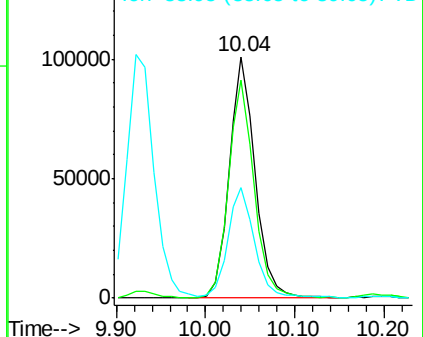


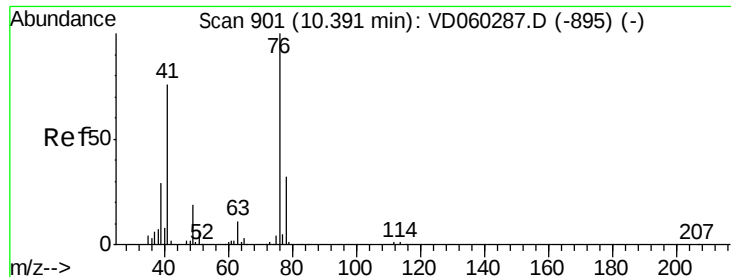
Abundance

Ion 69.00 (68.70 to 69.70): VD

Ion 41.05 (40.75 to 41.75): VD

Ion 38.95 (38.65 to 39.65): VD





#57

1,3-Dichloropropane

Concen: 20.92 ug/l

RT: 10.39 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD060294.D

Acq: 7 Nov 2018 12:00

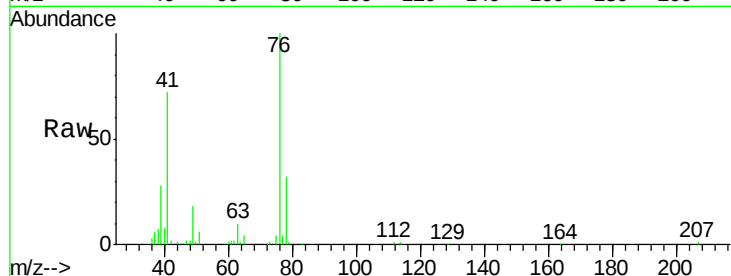
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 76 Resp: 330562

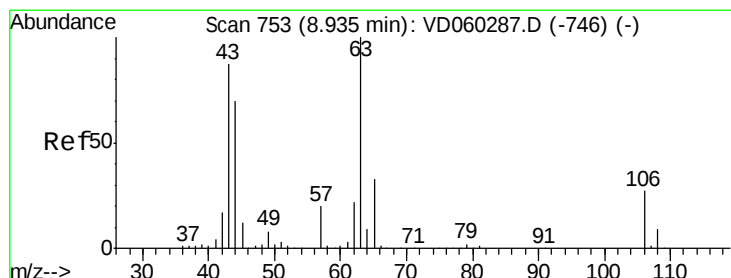
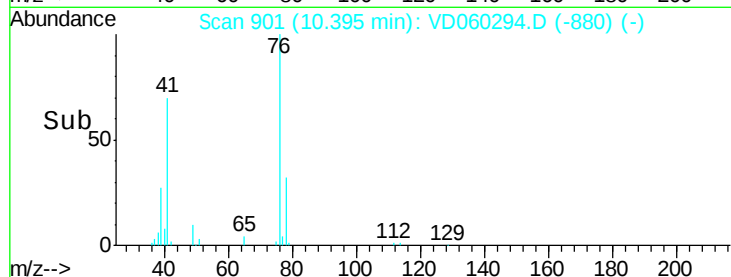
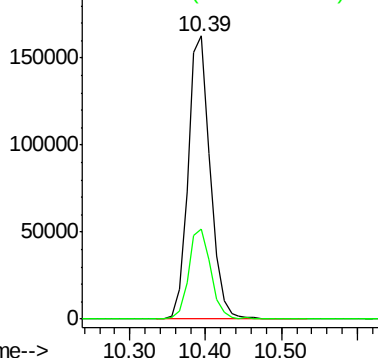
Ion Ratio Lower Upper

76 100

78 31.8 25.9 38.9



Abundance Ion 75.95 (75.65 to 76.65): VD
Ion 77.95 (77.65 to 78.65): VD



#58

2-Chloroethyl Vinyl ether

Concen: 109.46 ug/l

RT: 8.93 min Scan# 752

Delta R.T. -0.01 min

Lab File: VD060294.D

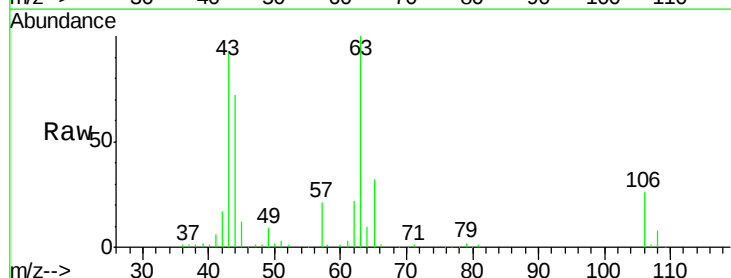
Acq: 7 Nov 2018 12:00

Tgt Ion: 63 Resp: 630918

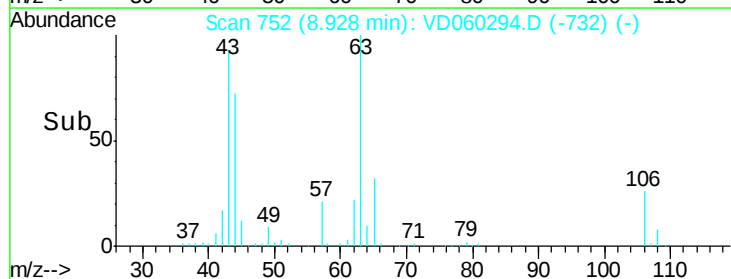
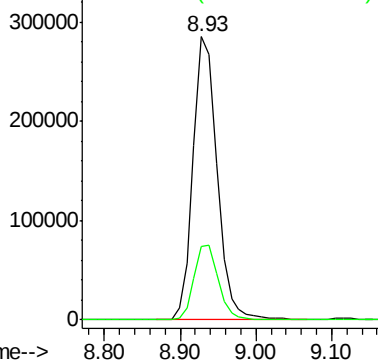
Ion Ratio Lower Upper

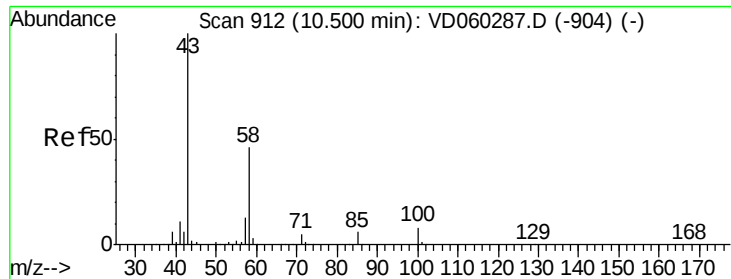
63 100

106 25.8 21.5 32.3



Abundance Ion 62.95 (62.65 to 63.65): VD
Ion 105.95 (105.65 to 106.65):

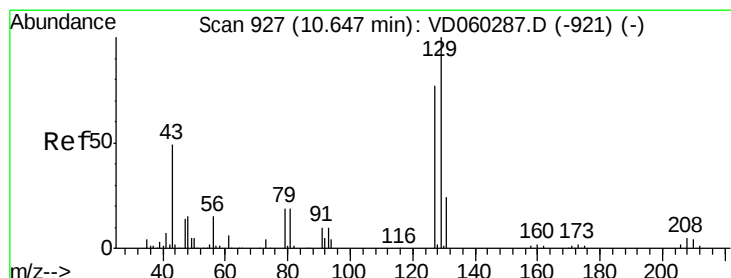
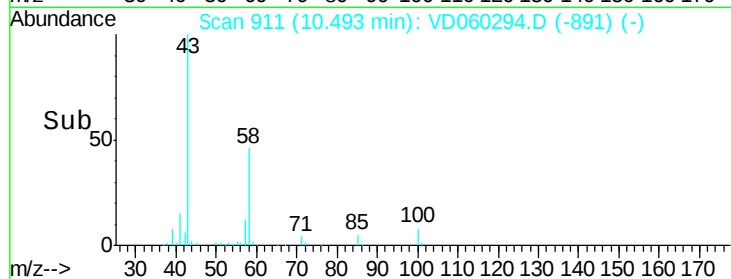
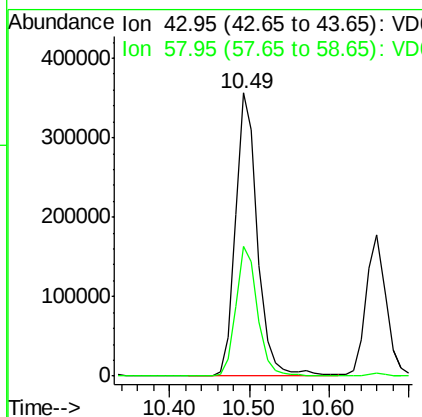
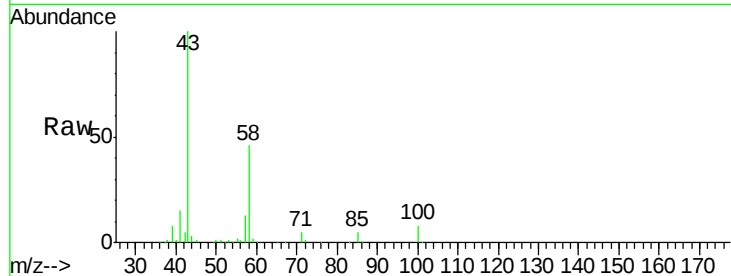




#59
2-Hexanone
Concen: 116.81 ug/l
RT: 10.49 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD060294.D
Acq: 7 Nov 2018 12:00

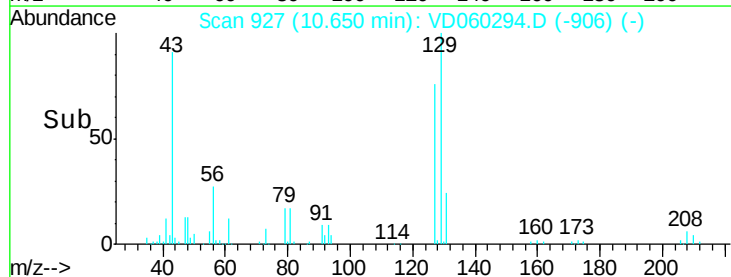
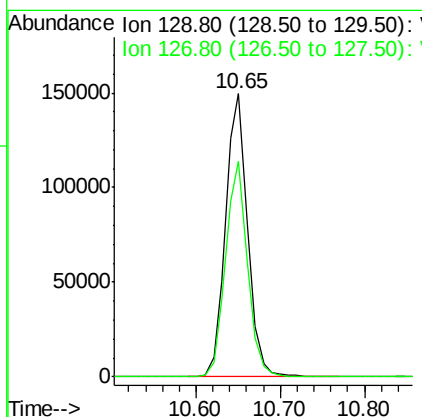
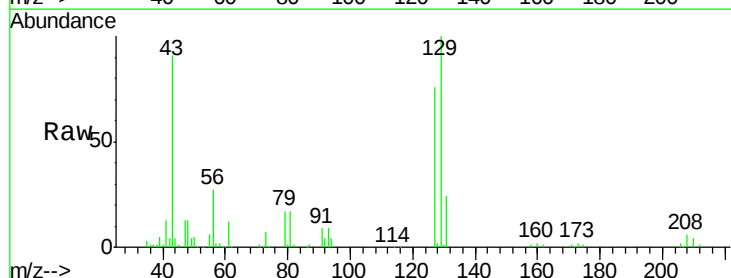
Instrument :
MSVOA_D
ClientSampleId :

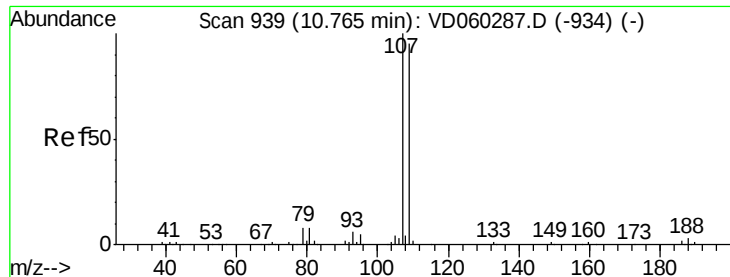
Tot Ion: 43 Resp: 687155
Ion Ratio Lower Upper
43 100
58 45.7 22.9 68.5



#60
Dibromochloromethane
Concen: 21.45 ug/l
RT: 10.65 min Scan# 927
Delta R.T. 0.00 min
Lab File: VD060294.D
Acq: 7 Nov 2018 12:00

Tgt Ion: 129 Resp: 270374
Ion Ratio Lower Upper
129 100
127 76.3 38.9 116.6

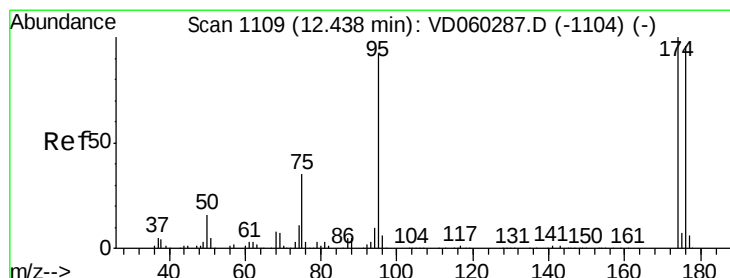
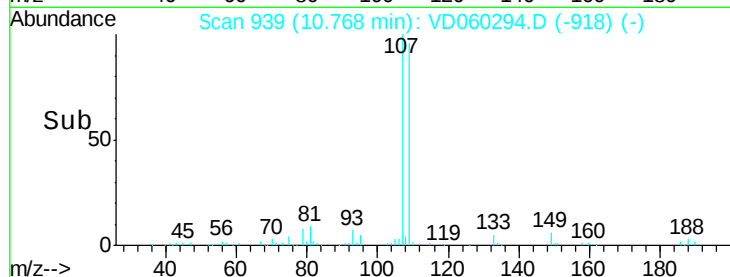
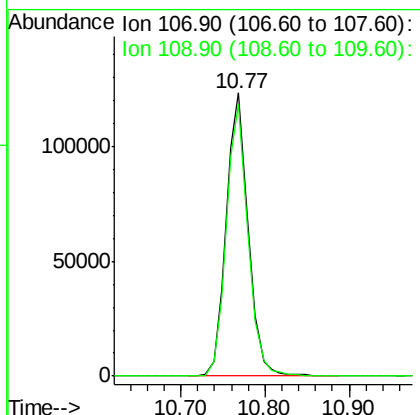
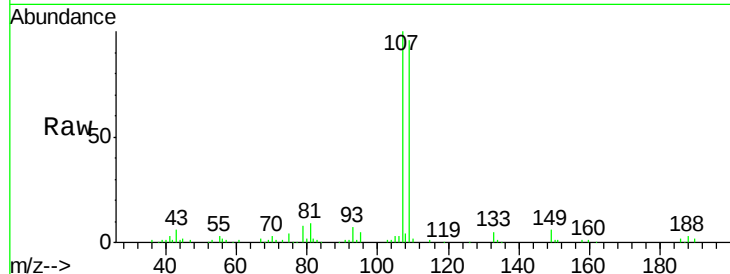




#61
 1,2-Dibromoethane
 Concen: 21.38 ug/l
 RT: 10.77 min Scan# 939
 Delta R.T. 0.00 min
 Lab File: VD060294.D
 Acq: 7 Nov 2018 12:00

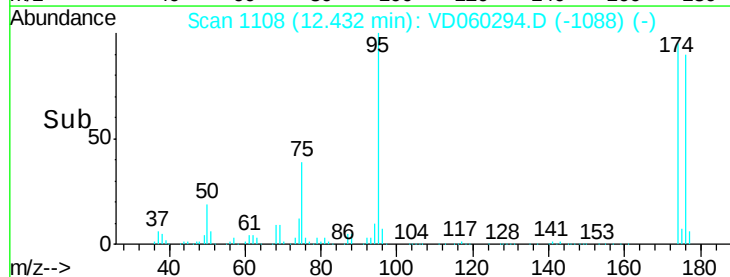
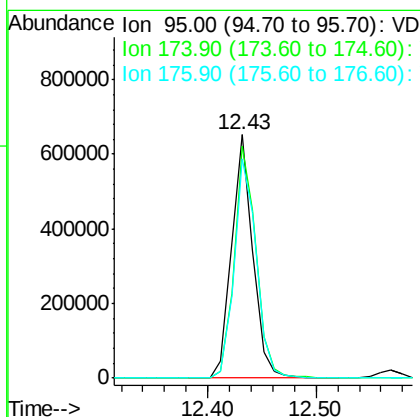
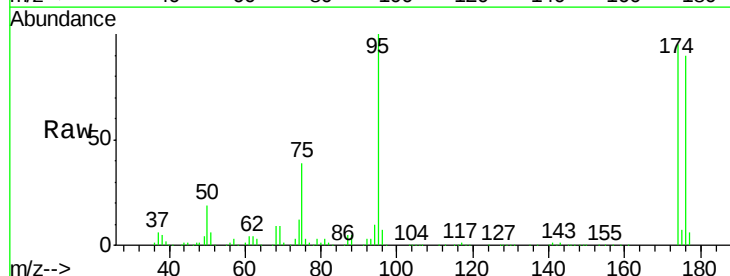
Instrument :
 MSVOA_D
 ClientSampled :

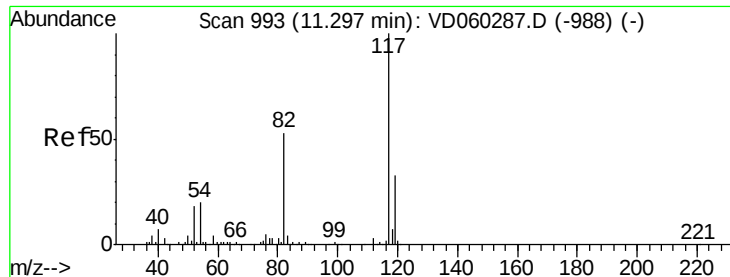
Tot Ion: 107 Resp: 222080
 Ion Ratio Lower Upper
 107 100
 109 95.9 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 21.38 ug/l
 RT: 12.43 min Scan# 1108
 Delta R.T. -0.01 min
 Lab File: VD060294.D
 Acq: 7 Nov 2018 12:00

Tgt Ion: 95 Resp: 891339
 Ion Ratio Lower Upper
 95 100
 174 95.3 0.0 160.8
 176 89.9 0.0 154.6

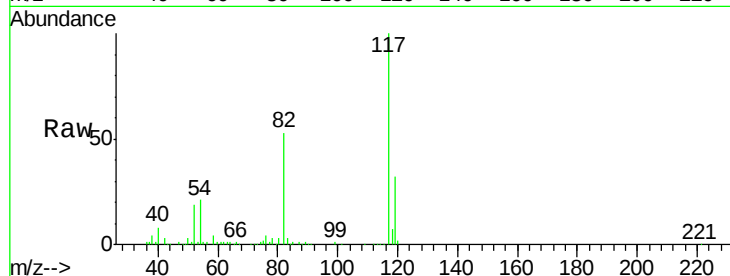




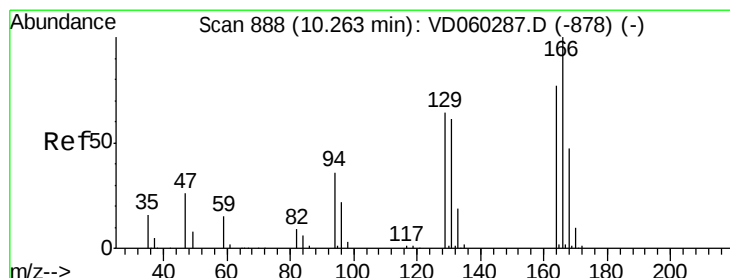
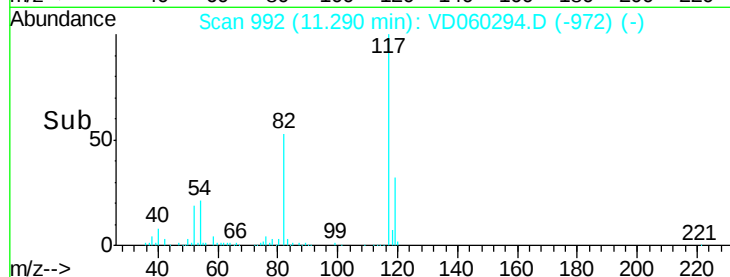
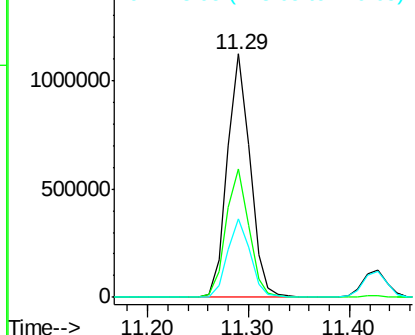
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.29 min Scan# 992
Delta R.T. -0.01 min
Lab File: VD060294.D
Acq: 7 Nov 2018 12:00

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 1758539
Ion Ratio Lower Upper
117 100
82 52.5 43.7 65.5
119 32.2 26.1 39.1

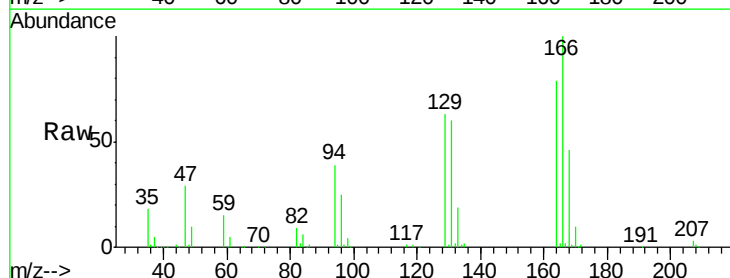


Abundance Ion 116.95 (116.65 to 117.65):
Ion 82.05 (81.75 to 82.75): VD
Ion 118.95 (118.65 to 119.65):

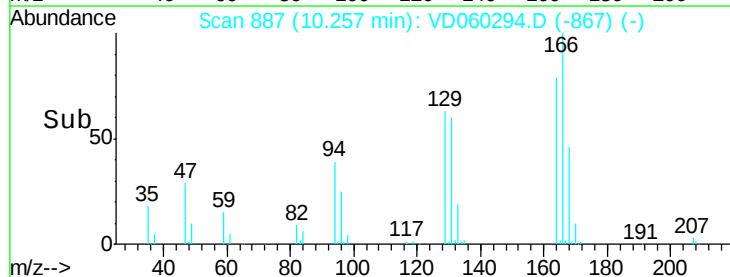
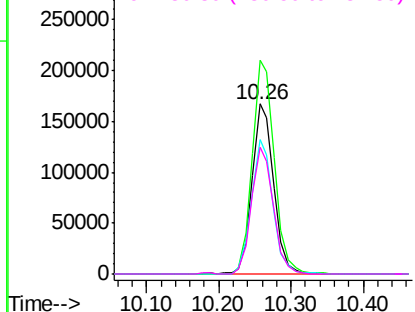


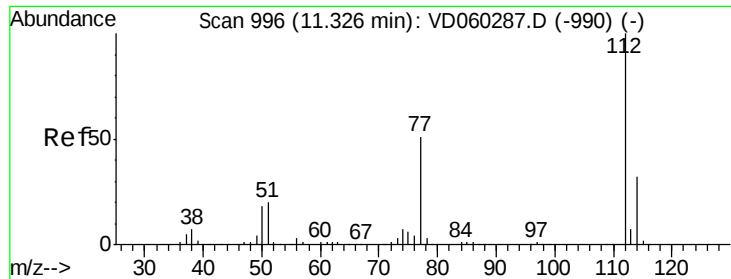
#64
Tetrachloroethene
Concen: 22.23 ug/l
RT: 10.26 min Scan# 887
Delta R.T. -0.01 min
Lab File: VD060294.D
Acq: 7 Nov 2018 12:00

Tgt Ion:164 Resp: 349060
Ion Ratio Lower Upper
164 100
166 125.8 103.7 155.5
129 79.5 65.6 98.4
131 75.0 64.4 96.6



Abundance Ion 163.85 (163.55 to 164.55):
Ion 165.85 (165.55 to 166.55):
Ion 128.80 (128.50 to 129.50):
Ion 130.80 (130.50 to 131.50):

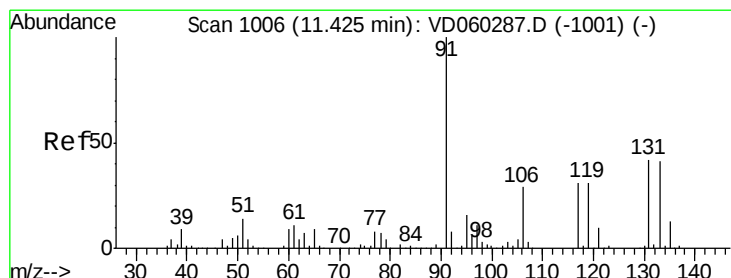
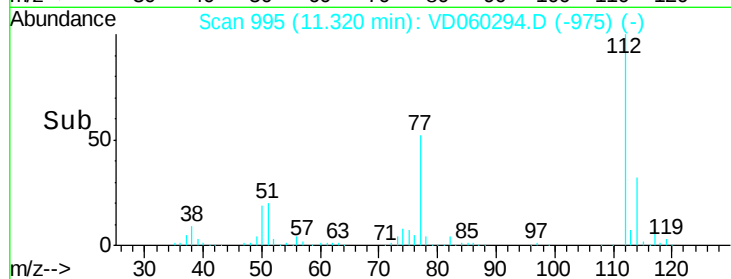
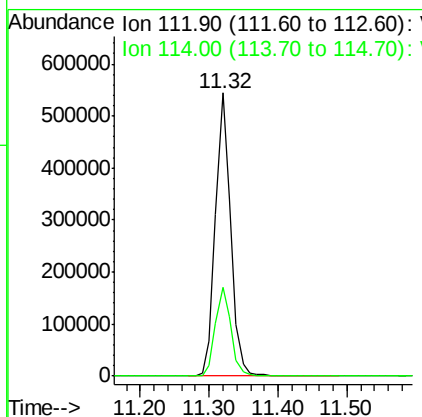
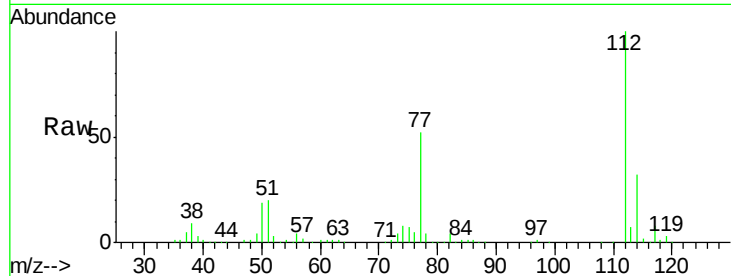




#65
Chlorobenzene
Concen: 21.84 ug/l
RT: 11.32 min Scan# 995
Delta R.T. -0.01 min
Lab File: VD060294.D
Acq: 7 Nov 2018 12:00

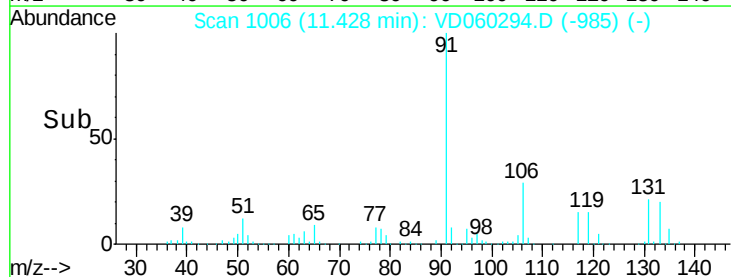
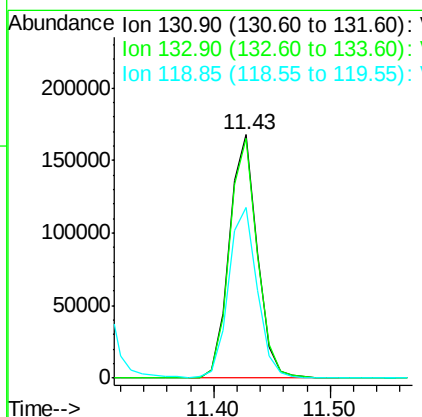
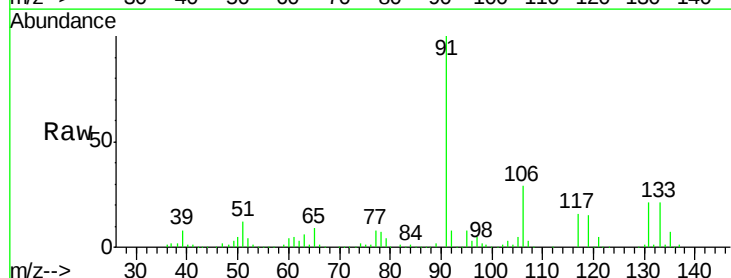
Instrument :
MSVOA_D
ClientSampled :

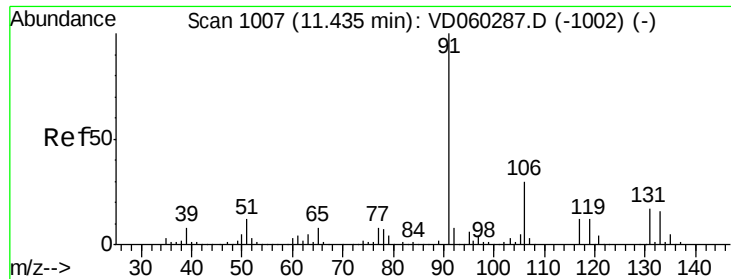
Tot Ion:112 Resp: 832243
Ion Ratio Lower Upper
112 100
114 31.5 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 22.25 ug/l
RT: 11.43 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VD060294.D
Acq: 7 Nov 2018 12:00

Tgt Ion:131 Resp: 277350
Ion Ratio Lower Upper
131 100
133 98.4 50.0 150.0
119 70.2 37.0 111.1

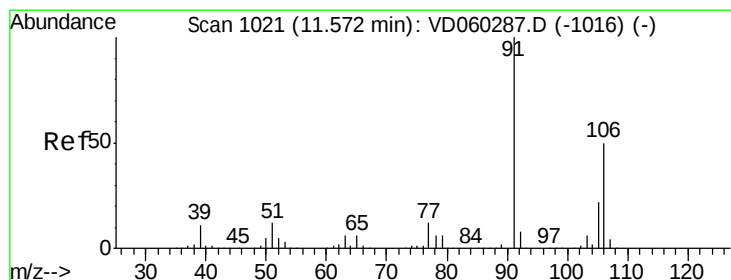
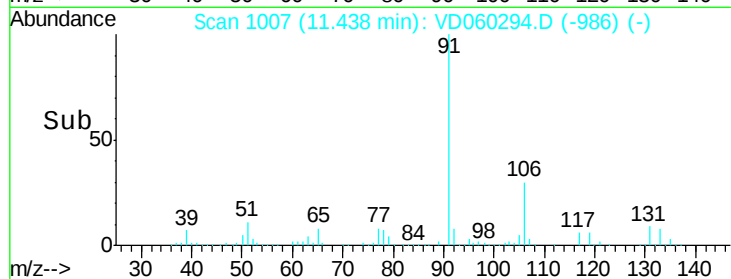
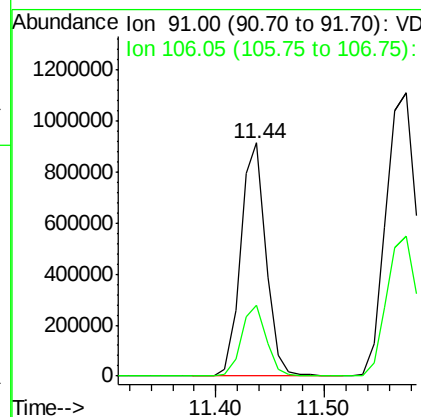
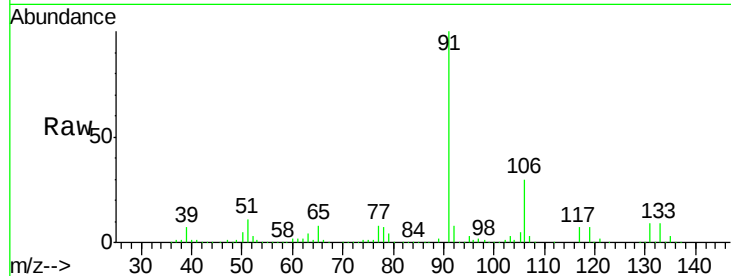




#67
Ethyl Benzene
Concen: 22.64 ug/l
RT: 11.44 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VD060294.D
Acq: 7 Nov 2018 12:00

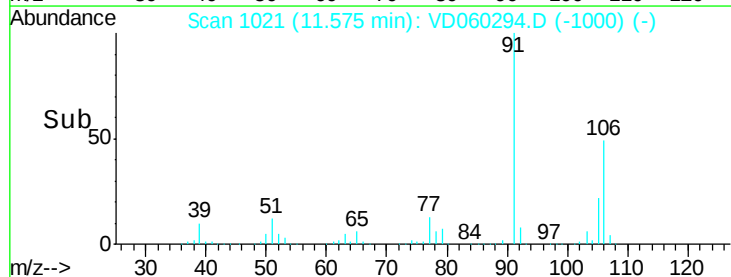
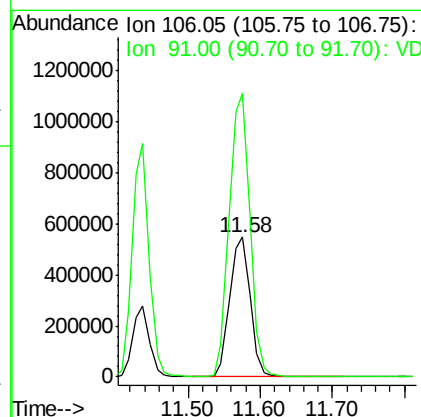
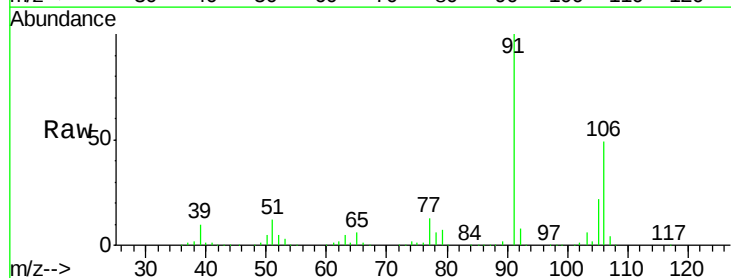
Instrument :
MSVOA_D
ClientSampled :

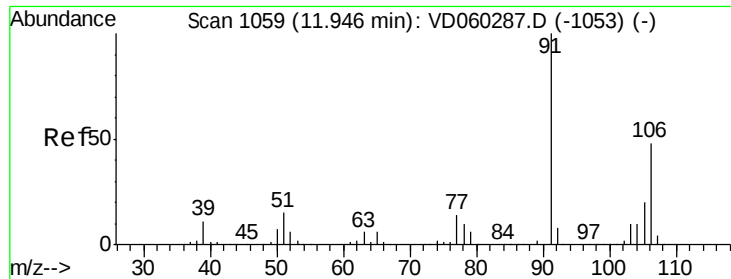
Tot Ion: 91 Resp: 1475880
Ion Ratio Lower Upper
91 100
106 30.2 24.6 36.8



#68
m/p-Xylenes
Concen: 44.86 ug/l
RT: 11.58 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VD060294.D
Acq: 7 Nov 2018 12:00

Tgt Ion: 106 Resp: 1078612
Ion Ratio Lower Upper
106 100
91 202.5 159.4 239.2

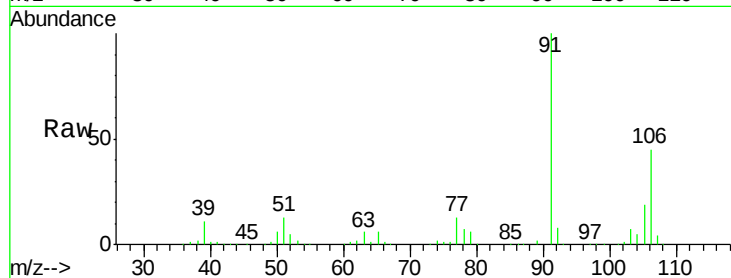




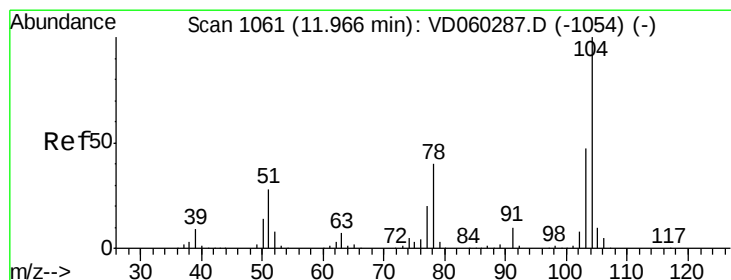
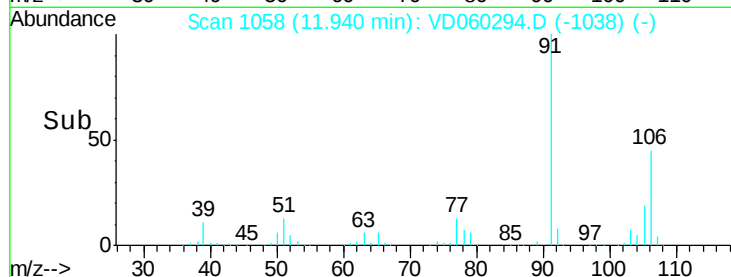
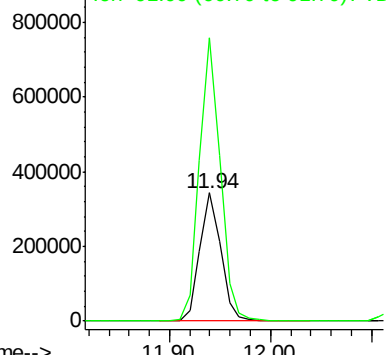
#69
o-Xylene
Concen: 21.44 ug/l
RT: 11.94 min Scan# 1058
Delta R.T. -0.01 min
Lab File: VD060294.D
Acq: 7 Nov 2018 12:00

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 498099
Ion Ratio Lower Upper
106 100
91 220.9 109.2 327.6

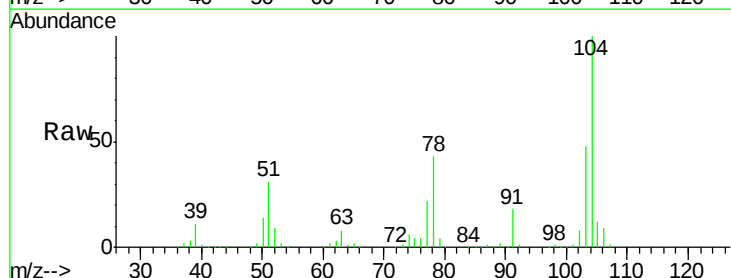


Abundance Ion 106.05 (105.75 to 106.75):
Ion 91.00 (90.70 to 91.70): VD

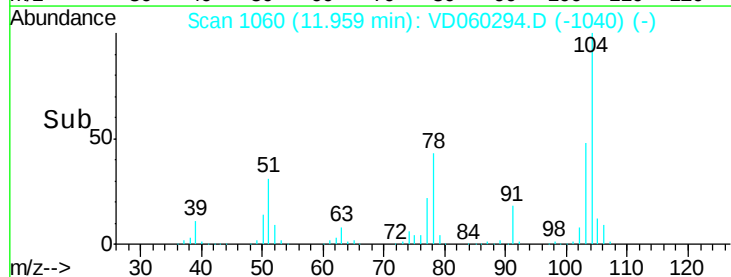
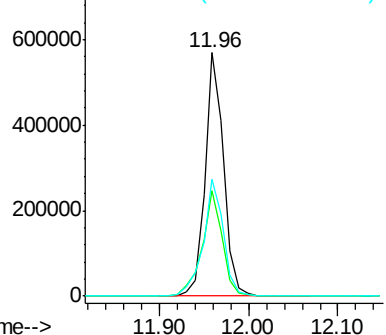


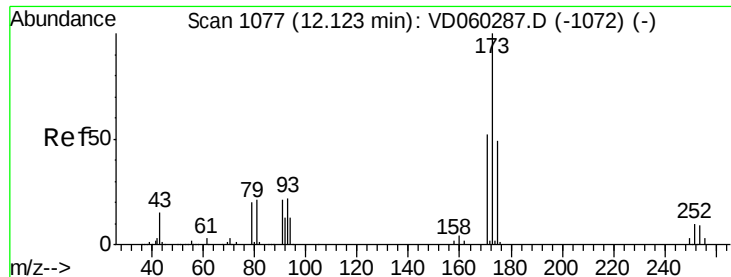
#70
Styrene
Concen: 22.08 ug/l
RT: 11.96 min Scan# 1060
Delta R.T. -0.01 min
Lab File: VD060294.D
Acq: 7 Nov 2018 12:00

Tgt Ion:104 Resp: 828840
Ion Ratio Lower Upper
104 100
78 43.2 31.6 47.4
103 47.8 37.0 55.6



Abundance Ion 104.05 (103.75 to 104.75):
Ion 77.95 (77.65 to 78.65): VD
Ion 103.05 (102.75 to 103.75):

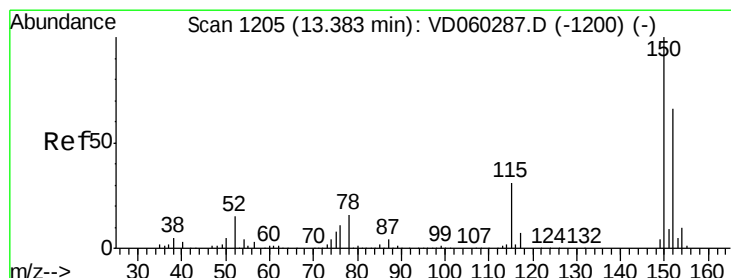
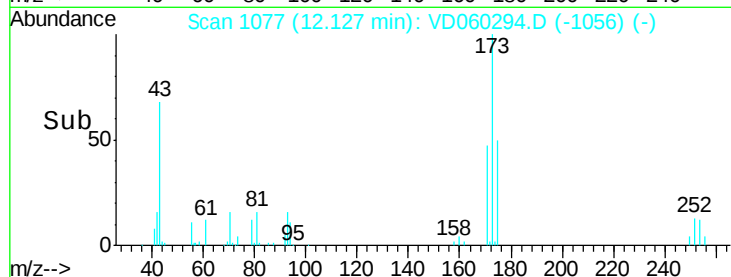
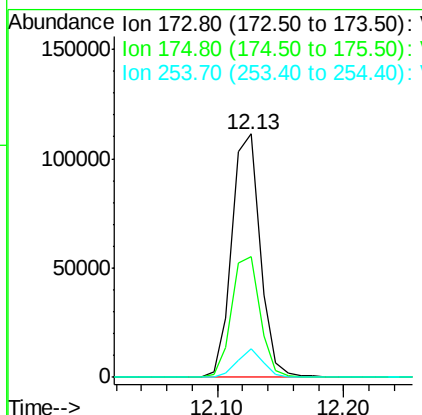
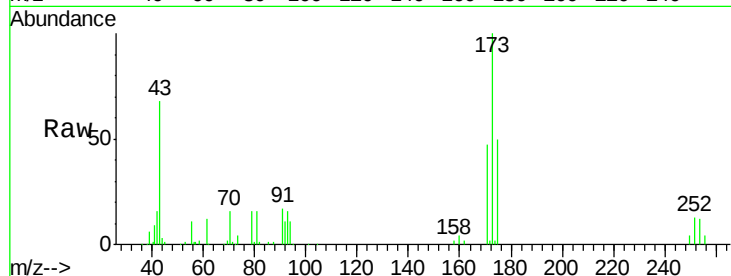




#71
Bromoform
Concen: 20.59 ug/l
RT: 12.13 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VD060294.D
Acq: 7 Nov 2018 12:00

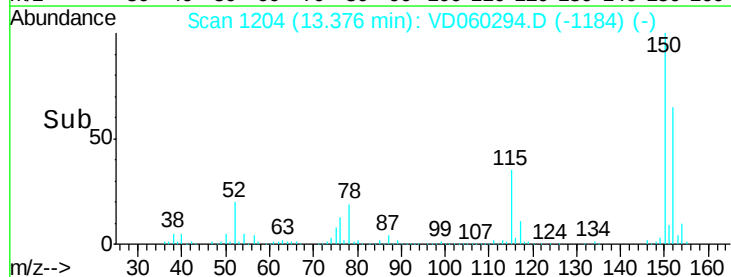
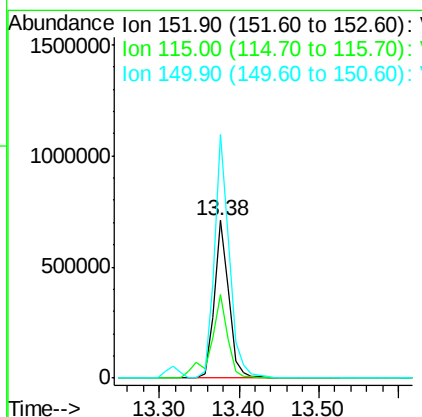
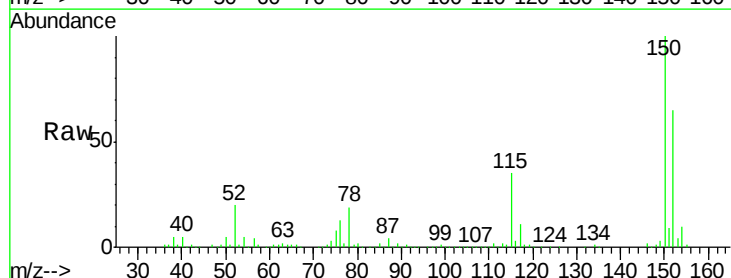
Instrument :
MSVOA_D
ClientSampleId :

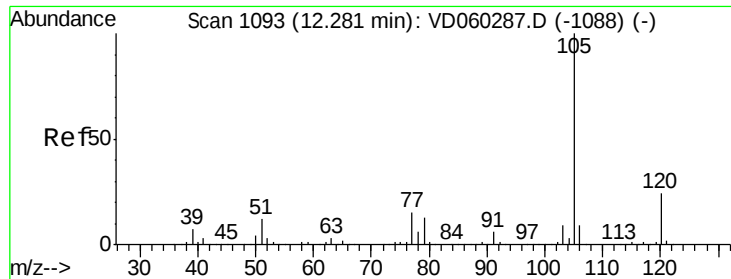
Tot Ion:173 Resp: 172465
Ion Ratio Lower Upper
173 100
175 49.8 24.3 73.0
254 11.5 8.3 12.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.38 min Scan# 1204
Delta R.T. -0.01 min
Lab File: VD060294.D
Acq: 7 Nov 2018 12:00

Tgt Ion:152 Resp: 908823
Ion Ratio Lower Upper
152 100
115 53.5 24.1 72.3
150 154.5 0.0 310.6





#73

Isopropylbenzene

Concen: 21.97 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VD060294.D

Acq: 7 Nov 2018 12:00

Instrument :

MSVOA_D

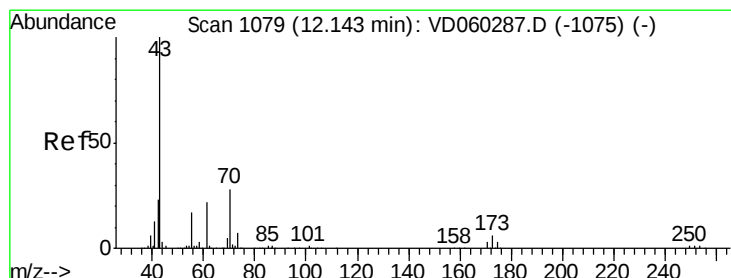
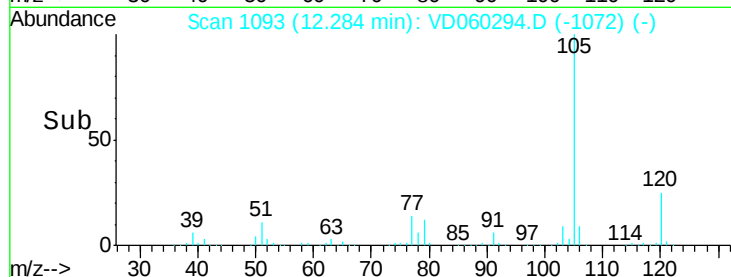
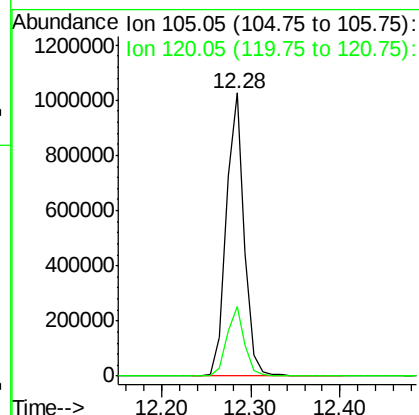
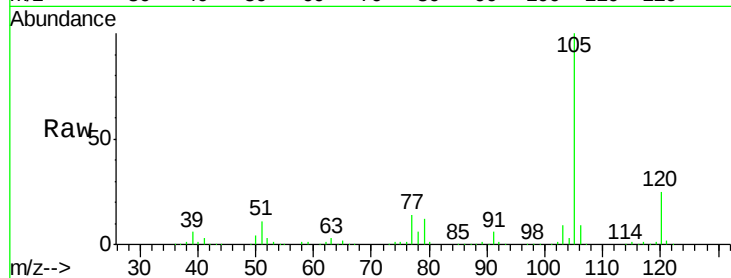
ClientSampled :

Tot Ion:105 Resp: 1454894

Ion Ratio Lower Upper

105 100

120 24.6 12.1 36.3



#74

N-ethyl acetate

Concen: 20.48 ug/l

RT: 12.14 min Scan# 1078

Delta R.T. -0.01 min

Lab File: VD060294.D

Acq: 7 Nov 2018 12:00

Tgt Ion: 43 Resp: 347670

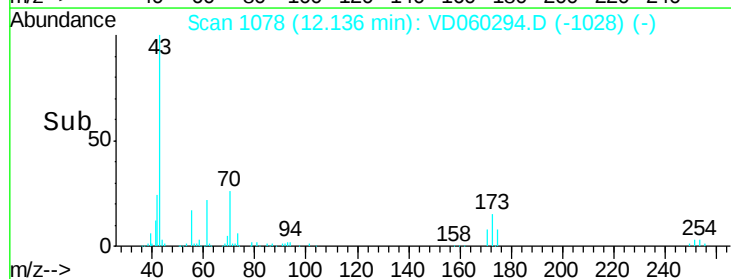
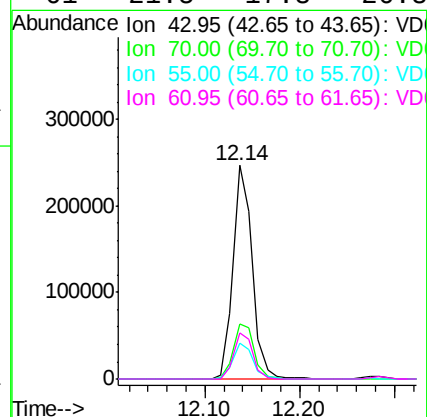
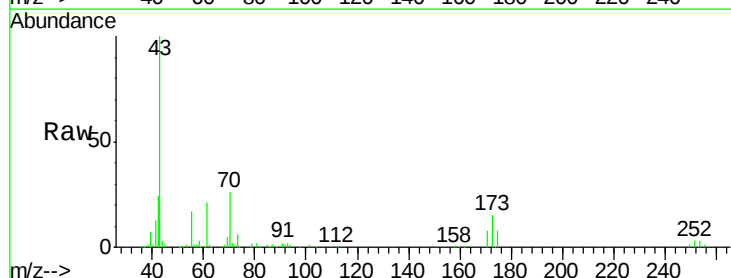
Ion Ratio Lower Upper

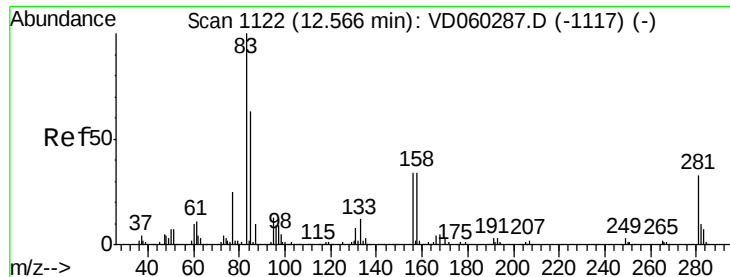
43 100

70 25.9 23.0 34.4

55 16.8 14.2 21.4

61 21.5 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.45 ug/l

RT: 12.57 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VD060294.D

Acq: 7 Nov 2018 12:00

Instrument :

MSVOA_D

ClientSampleId :

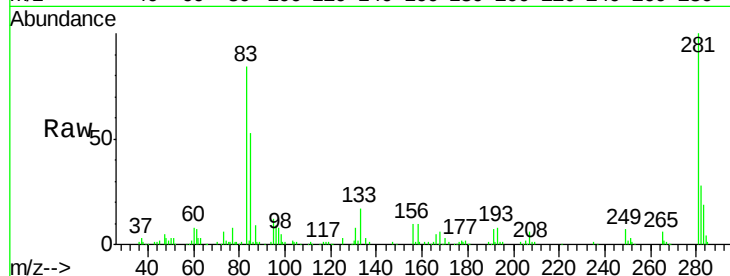
Tot Ion: 83 Resp: 221430

Ion Ratio Lower Upper

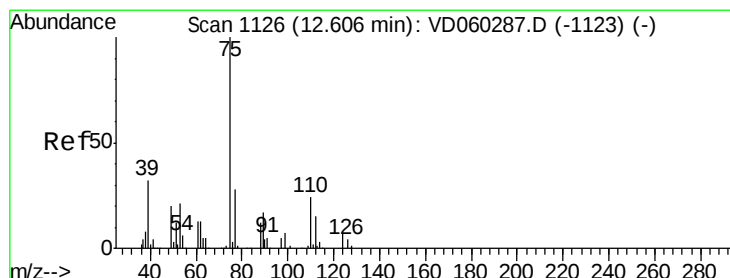
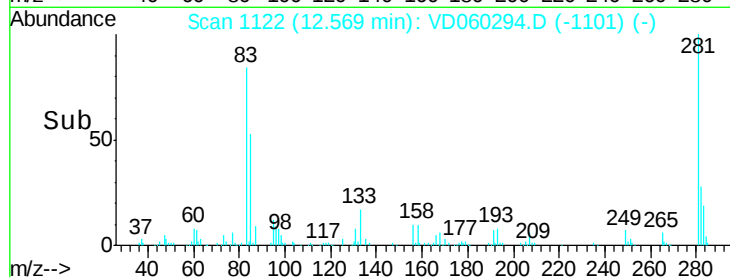
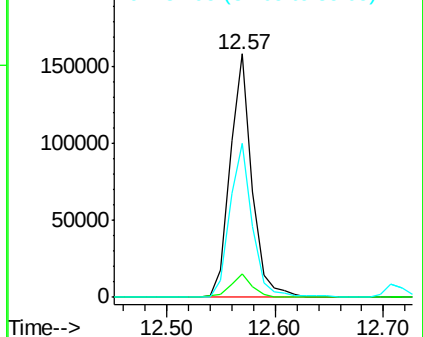
83 100

131 9.4 3.9 11.5

85 63.1 32.0 96.0



Abundance Ion 82.95 (82.65 to 83.65): VD
Ion 130.90 (130.60 to 131.60): VD
Ion 84.95 (84.65 to 85.65): VD



#76

1,2,3-Trichloropropane

Concen: 20.69 ug/l

RT: 12.60 min Scan# 1125

Delta R.T. -0.01 min

Lab File: VD060294.D

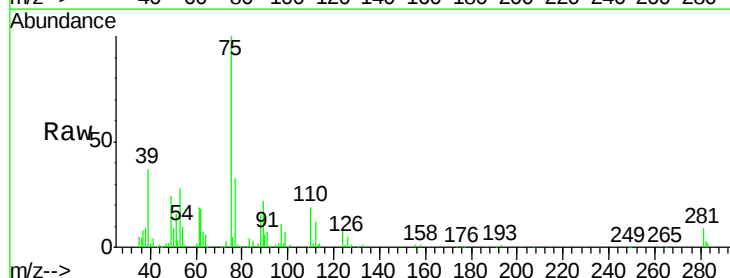
Acq: 7 Nov 2018 12:00

Tgt Ion: 75 Resp: 224914

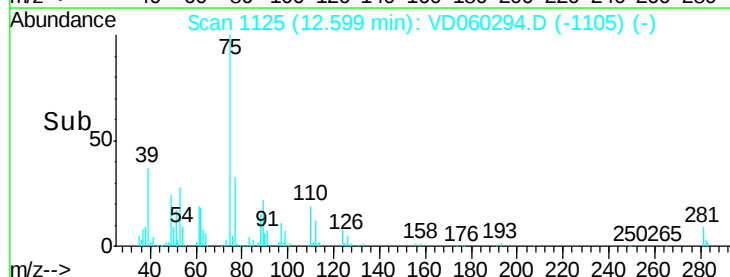
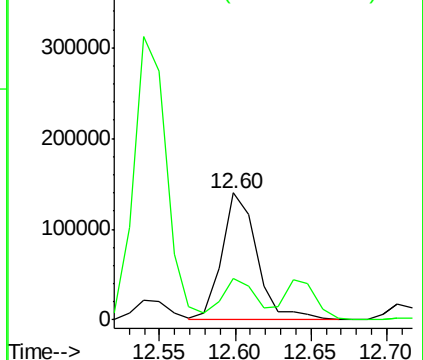
Ion Ratio Lower Upper

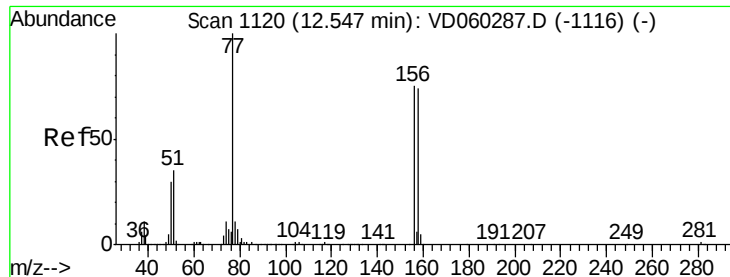
75 100

77 32.7 16.4 49.1



Abundance Ion 75.00 (74.70 to 75.70): VD
Ion 76.95 (76.65 to 77.65): VD





#77

Bromobenzene

Concen: 21.30 ug/l

RT: 12.55 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VD060294.D

Acq: 7 Nov 2018 12:00

Instrument :

MSVOA_D

ClientSampleId :

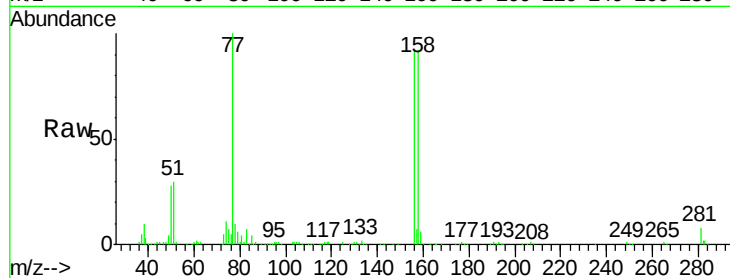
Tot Ion:156 Resp: 374660

Ion Ratio Lower Upper

156 100

77 108.4 61.2 183.6

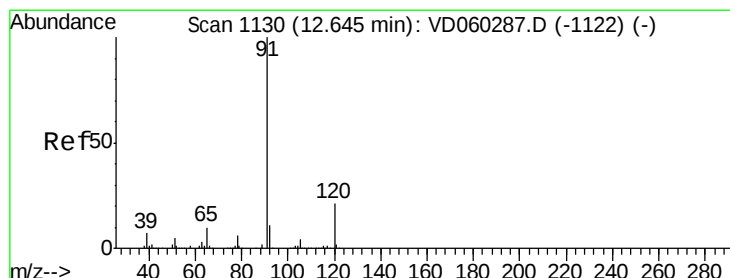
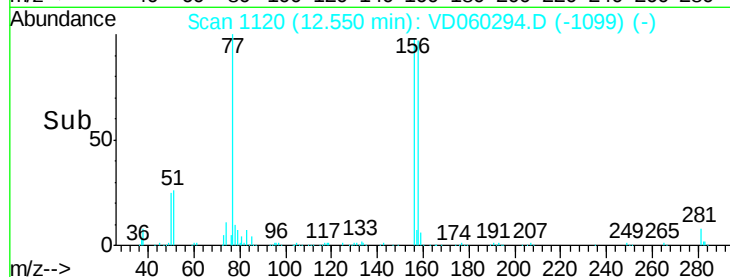
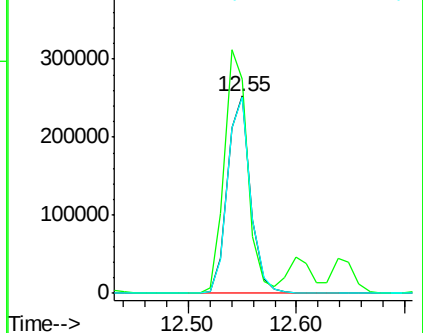
158 99.7 49.2 147.6



Abundance Ion 155.90 (155.60 to 156.60):

Ion 76.95 (76.65 to 77.65): VD

Ion 157.85 (157.55 to 158.55):



#78

n-propylbenzene

Concen: 22.11 ug/l

RT: 12.64 min Scan# 1129

Delta R.T. -0.01 min

Lab File: VD060294.D

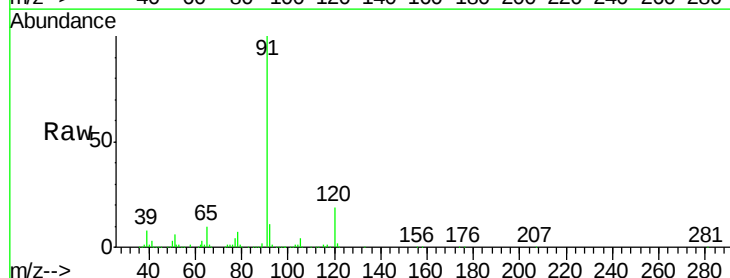
Acq: 7 Nov 2018 12:00

Tgt Ion: 91 Resp: 1827624

Ion Ratio Lower Upper

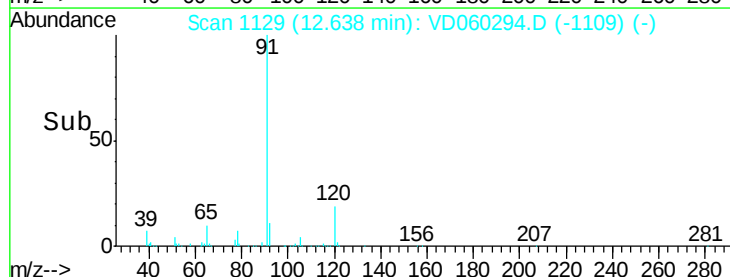
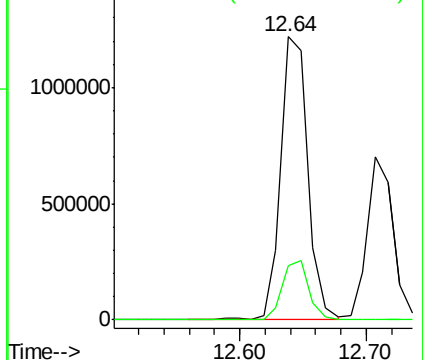
91 100

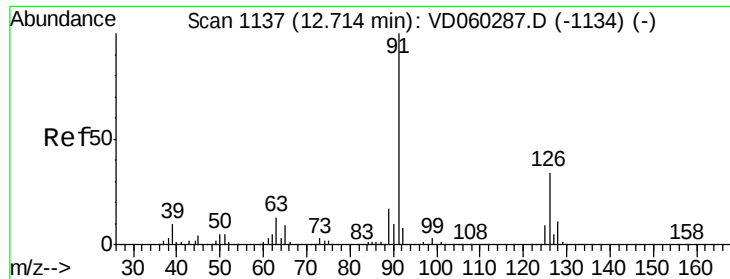
120 19.0 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): VD

Ion 120.05 (119.75 to 120.75):

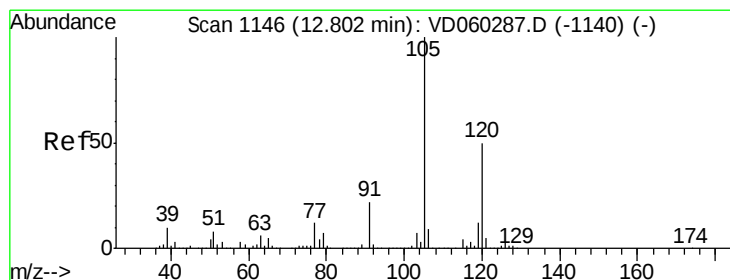
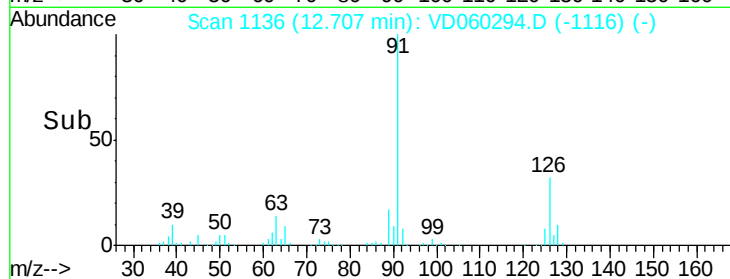
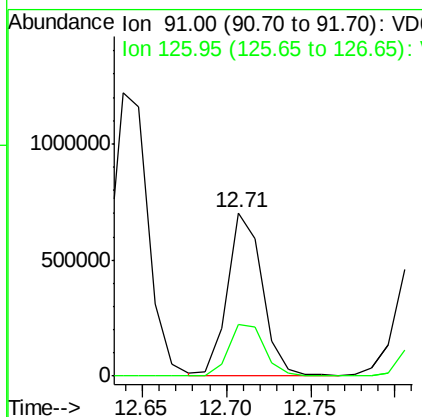
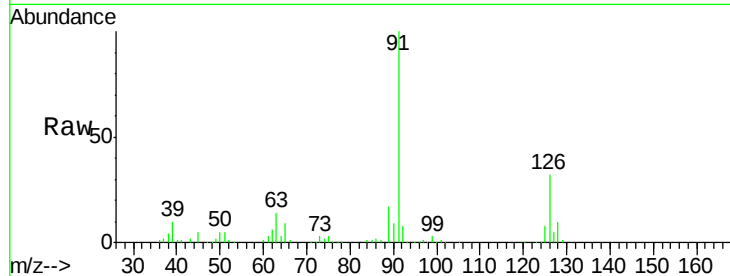




#79
 2-Chlorotoluene
 Concen: 22.22 ug/l
 RT: 12.71 min Scan# 1136
 Delta R.T. -0.01 min
 Lab File: VD060294.D
 Acq: 7 Nov 2018 12:00

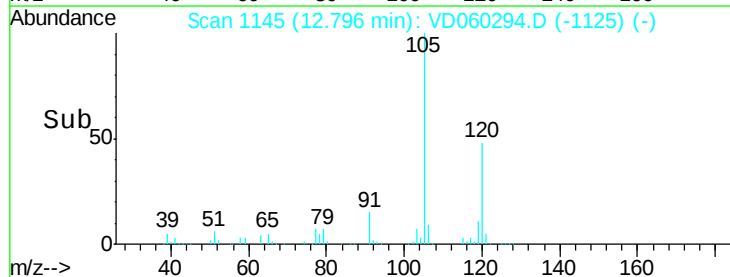
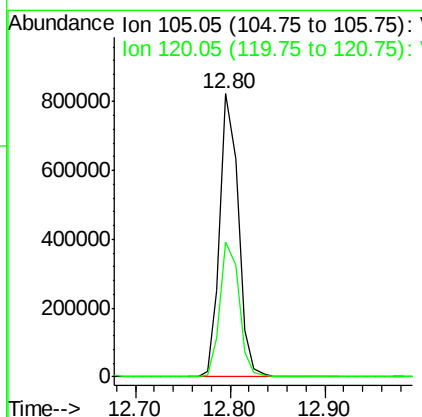
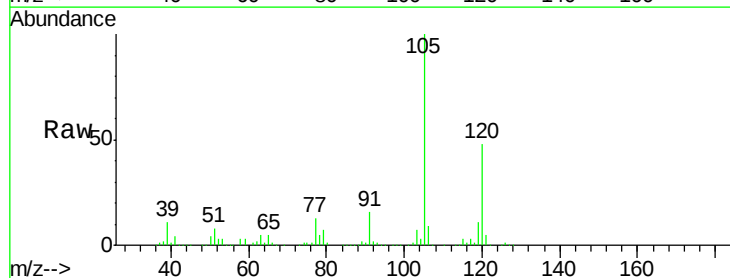
Instrument :
 MSVOA_D
 ClientSampled :

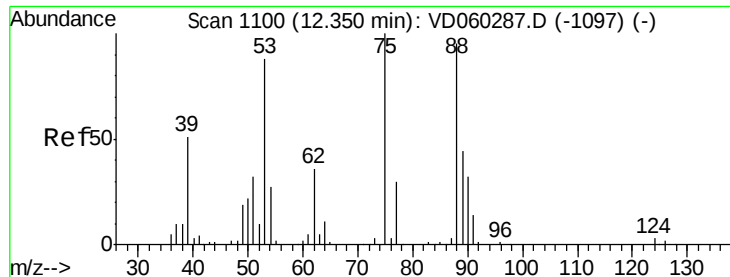
Tot Ion: 91 Resp: 1005721
 Ion Ratio Lower Upper
 91 100
 126 31.7 17.4 52.2



#80
 1,3,5-Trimethylbenzene
 Concen: 21.75 ug/l
 RT: 12.80 min Scan# 1145
 Delta R.T. -0.01 min
 Lab File: VD060294.D
 Acq: 7 Nov 2018 12:00

Tgt Ion:105 Resp: 1119337
 Ion Ratio Lower Upper
 105 100
 120 47.6 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 20.63 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. -0.01 min

Lab File: VD060294.D

Acq: 7 Nov 2018 12:00

Instrument :

MSVOA_D

ClientSampleId :

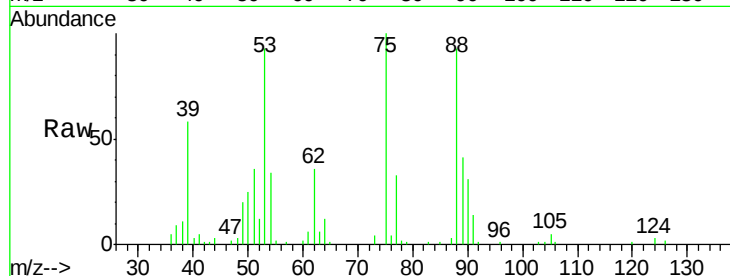
Tot Ion: 75 Resp: 63851

Ion Ratio Lower Upper

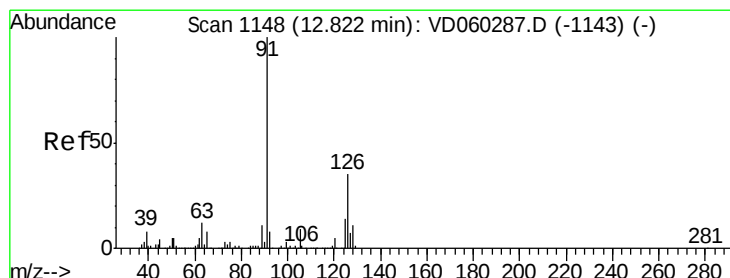
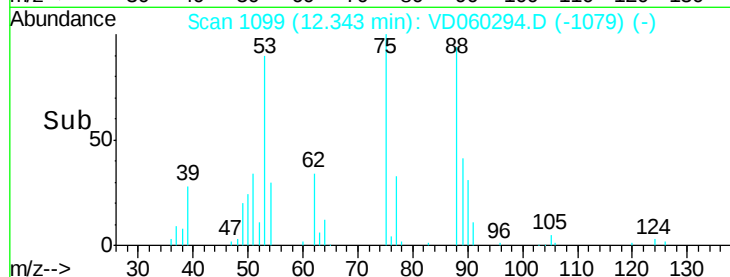
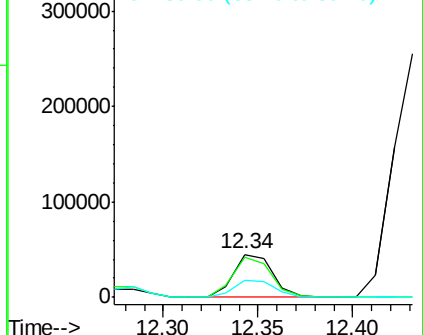
75 100

53 93.4 68.6 103.0

89 40.8 34.1 51.1



Abundance Ion 75.00 (74.70 to 75.70): VD
Ion 53.00 (52.70 to 53.70): VD
Ion 89.00 (88.70 to 89.70): VD



#82

4-Chlorotoluene

Concen: 22.20 ug/l

RT: 12.82 min Scan# 1147

Delta R.T. -0.01 min

Lab File: VD060294.D

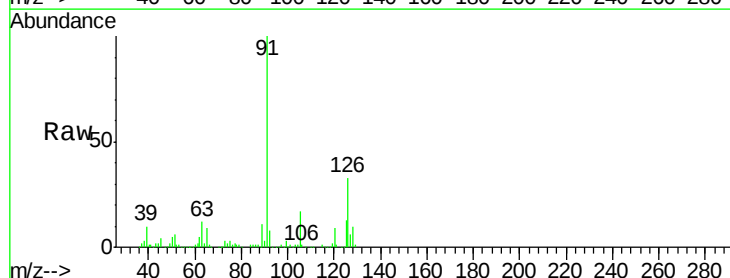
Acq: 7 Nov 2018 12:00

Tgt Ion: 91 Resp: 1128762

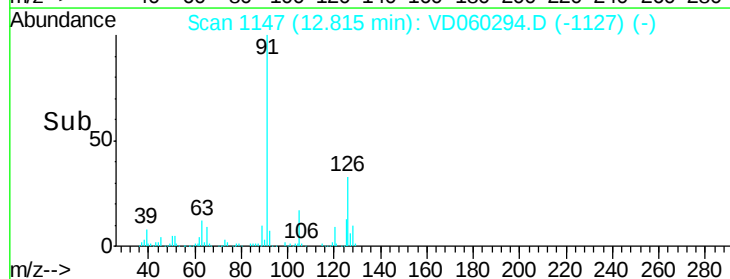
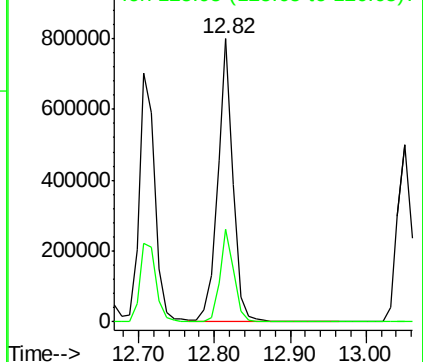
Ion Ratio Lower Upper

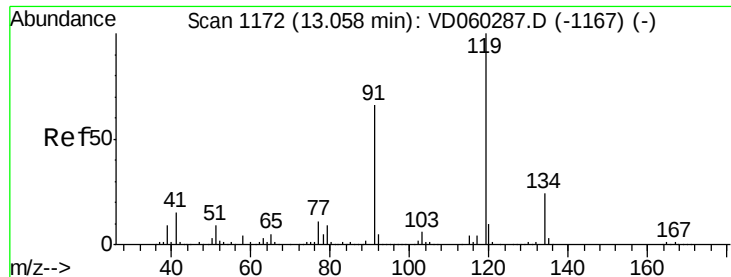
91 100

126 32.7 14.8 44.4



Abundance Ion 91.00 (90.70 to 91.70): VD
Ion 125.95 (125.65 to 126.65):

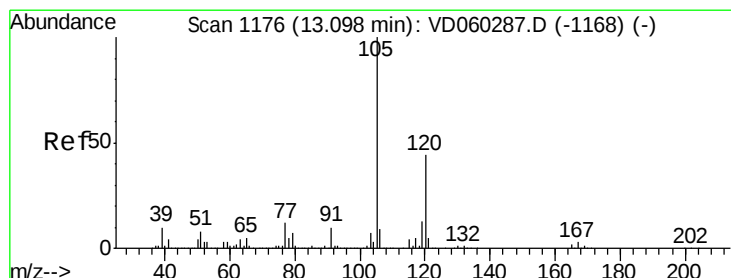
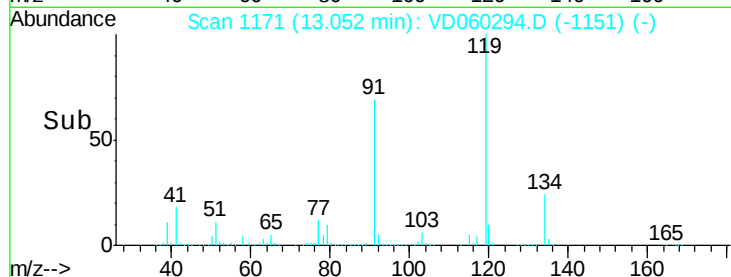
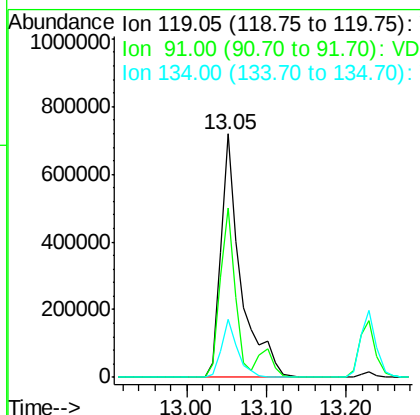
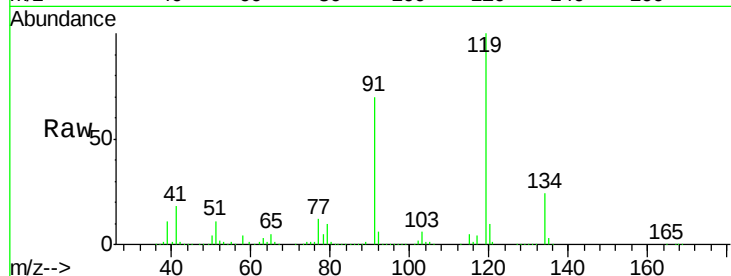




#83
tert-Butylbenzene
Concen: 22.22 ug/l
RT: 13.05 min Scan# 1171
Delta R.T. -0.01 min
Lab File: VD060294.D
Acq: 7 Nov 2018 12:00

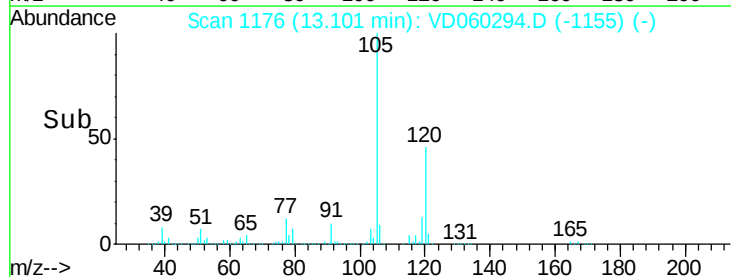
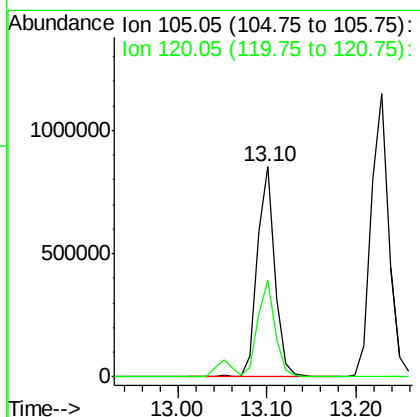
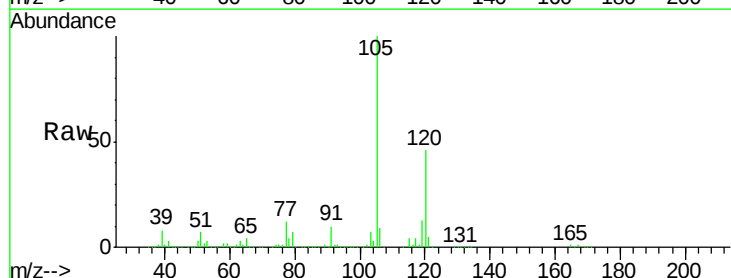
Instrument :
MSVOA_D
ClientSampled :

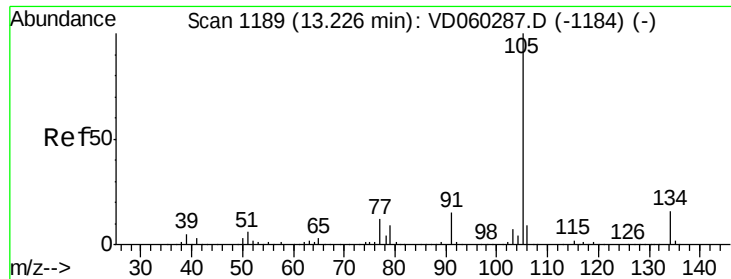
Tot Ion:119 Resp: 1269280
Ion Ratio Lower Upper
119 100
91 69.7 32.7 98.1
134 24.1 12.1 36.3



#84
1,2,4-Trimethylbenzene
Concen: 22.15 ug/l
RT: 13.10 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VD060294.D
Acq: 7 Nov 2018 12:00

Tgt Ion:105 Resp: 1138446
Ion Ratio Lower Upper
105 100
120 46.2 21.9 65.8

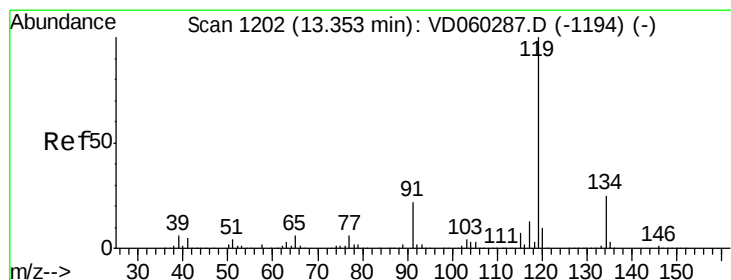
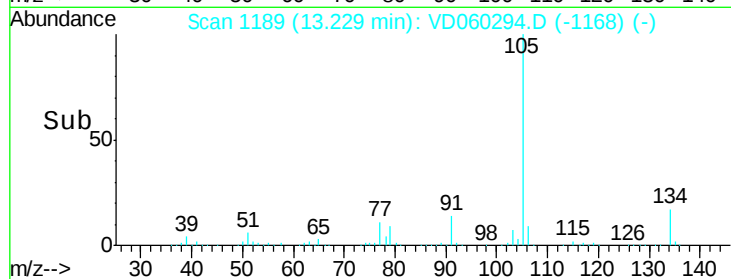
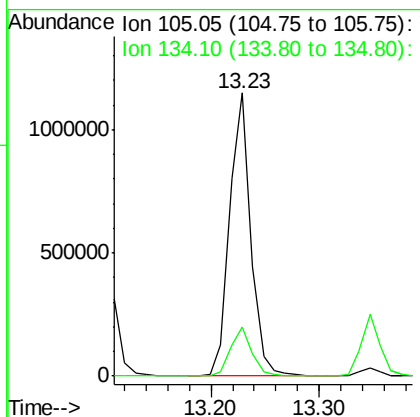
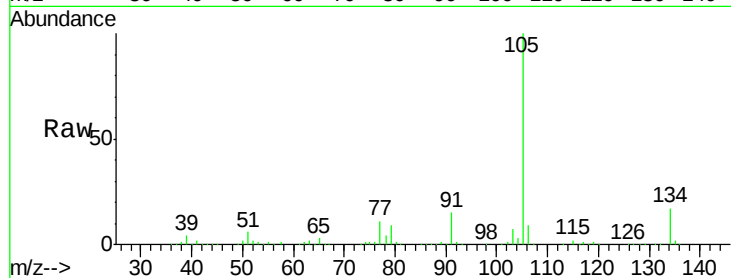




#85
 sec-Butylbenzene
 Concen: 22.18 ug/l
 RT: 13.23 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: VD060294.D
 Acq: 7 Nov 2018 12:00

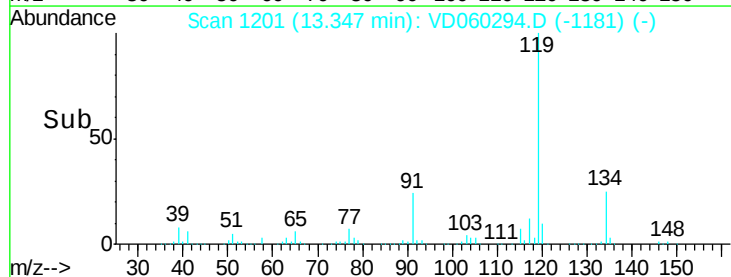
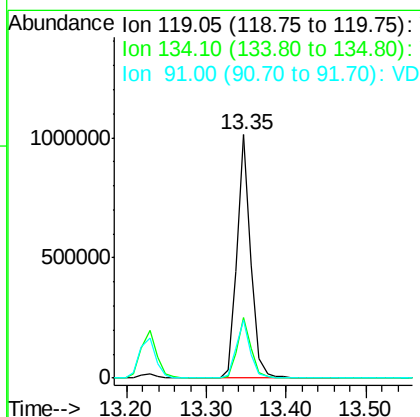
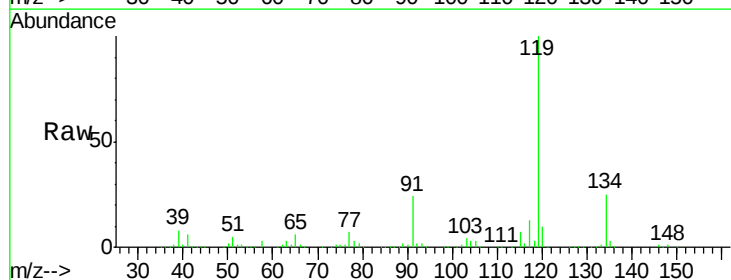
Instrument :
 MSVOA_D
 ClientSampleId :

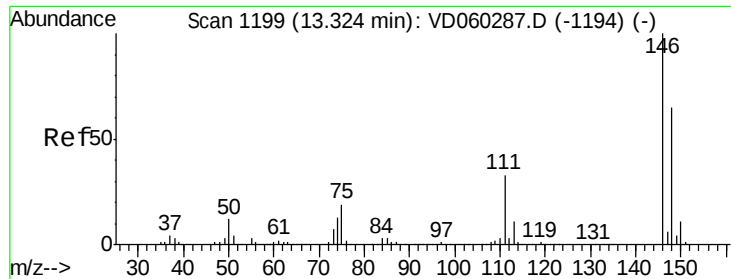
Tot Ion:105 Resp: 1554518
 Ion Ratio Lower Upper
 105 100
 134 17.2 8.0 24.0



#86
 p-Isopropyltoluene
 Concen: 21.80 ug/l
 RT: 13.35 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VD060294.D
 Acq: 7 Nov 2018 12:00

Tgt Ion:119 Resp: 1230767
 Ion Ratio Lower Upper
 119 100
 134 24.7 12.9 38.6
 91 23.8 11.3 33.8

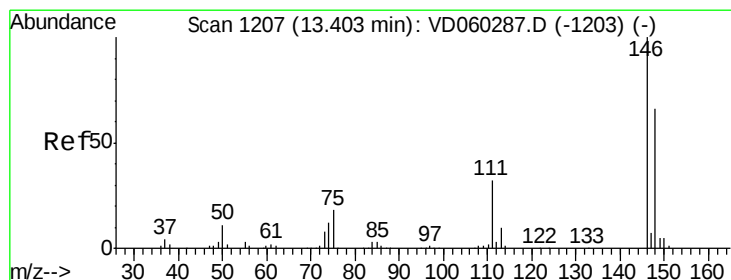
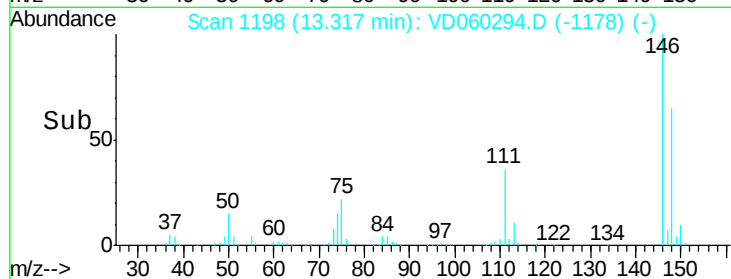
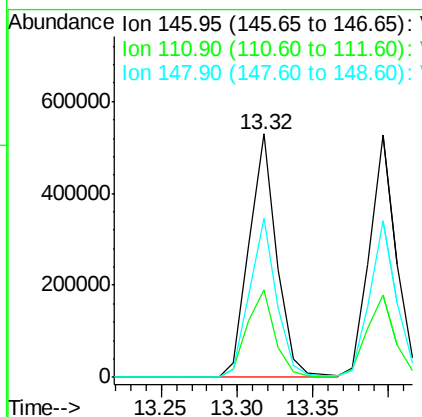
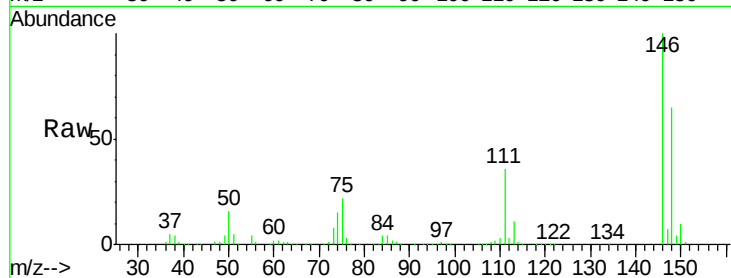




#87
 1,3-Dichlorobenzene
 Concen: 21.55 ug/l
 RT: 13.32 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: VD060294.D
 Acq: 7 Nov 2018 12:00

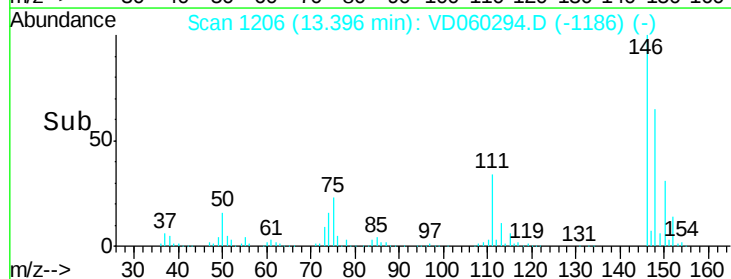
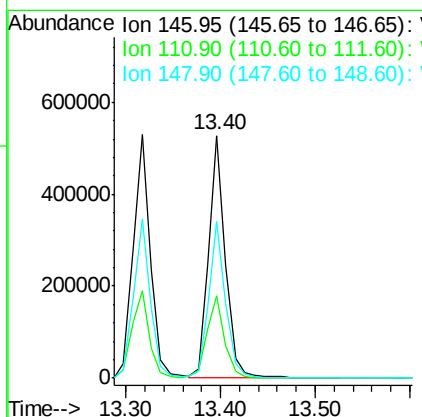
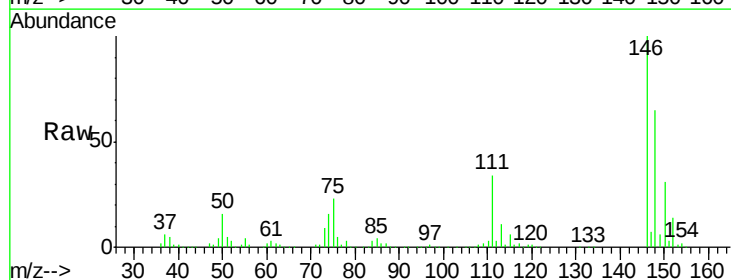
Instrument :
 MSVOA_D
 ClientSampleId :

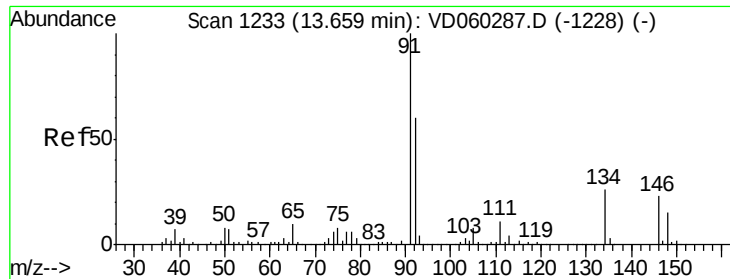
Tot Ion:146 Resp: 674388
 Ion Ratio Lower Upper
 146 100
 111 35.9 20.2 60.5
 148 65.5 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 21.38 ug/l
 RT: 13.40 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: VD060294.D
 Acq: 7 Nov 2018 12:00

Tgt Ion:146 Resp: 653256
 Ion Ratio Lower Upper
 146 100
 111 34.0 16.0 47.9
 148 64.5 32.9 98.7

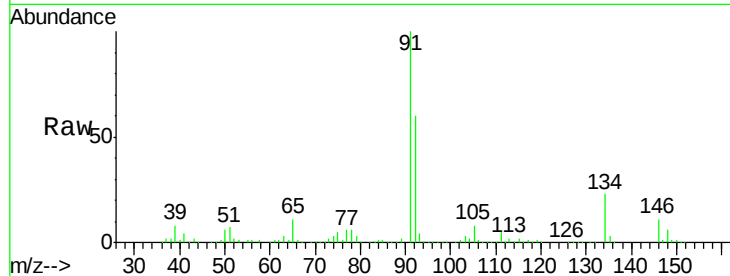




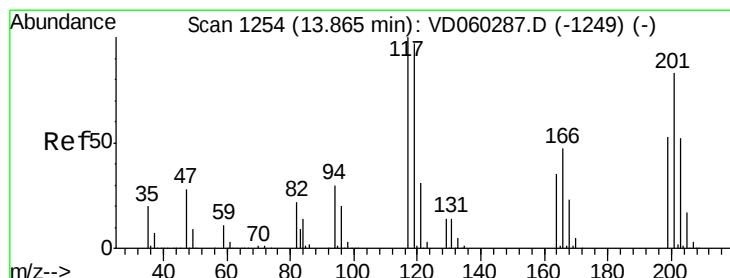
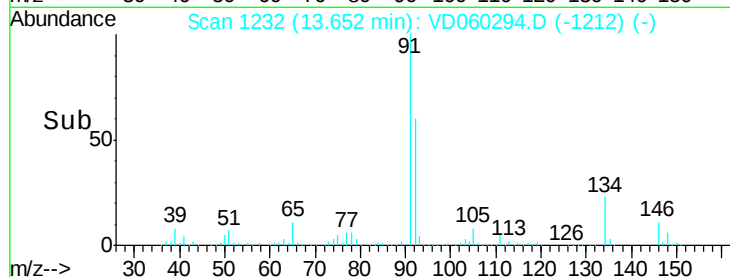
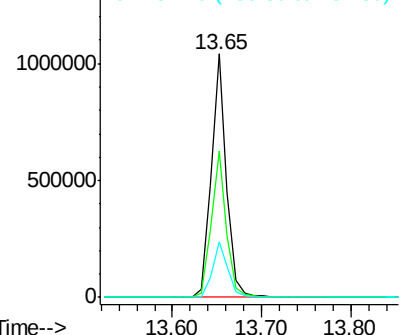
#89
n-Butylbenzene
Concen: 20.09 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD060294.D
Acq: 7 Nov 2018 12:00

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 1246709
Ion Ratio Lower Upper
91 100
92 60.0 30.3 90.9
134 22.7 13.0 38.9

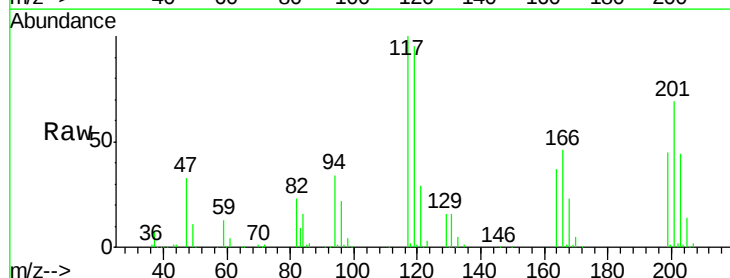


Abundance Ion 91.00 (90.70 to 91.70): VD
Ion 92.00 (91.70 to 92.70): VD
Ion 134.10 (133.80 to 134.80):

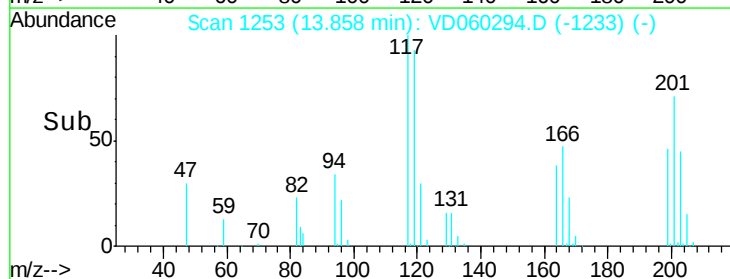
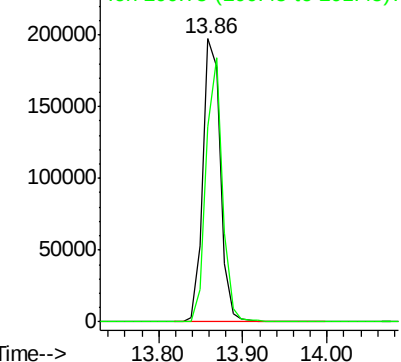


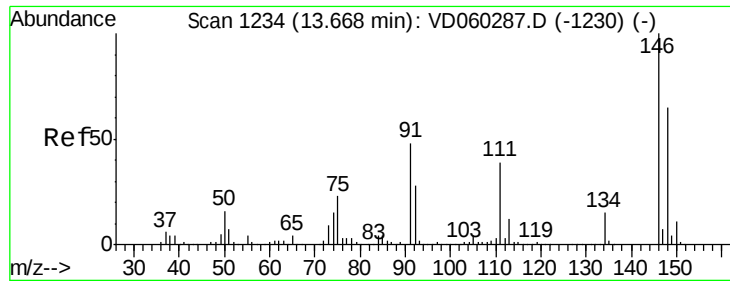
#90
Hexachloroethane
Concen: 21.31 ug/l
RT: 13.86 min Scan# 1253
Delta R.T. -0.01 min
Lab File: VD060294.D
Acq: 7 Nov 2018 12:00

Tgt Ion: 117 Resp: 285201
Ion Ratio Lower Upper
117 100
201 69.1 40.1 120.3



Abundance Ion 116.85 (116.55 to 117.55):
Ion 200.75 (200.45 to 201.45):

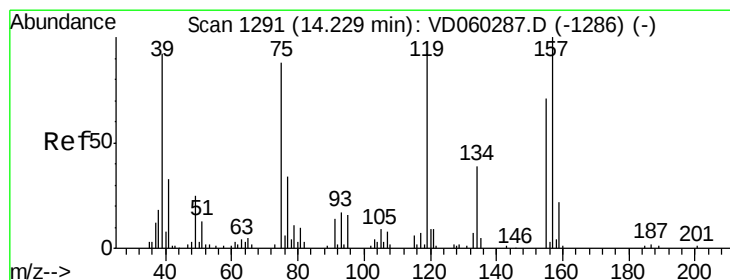
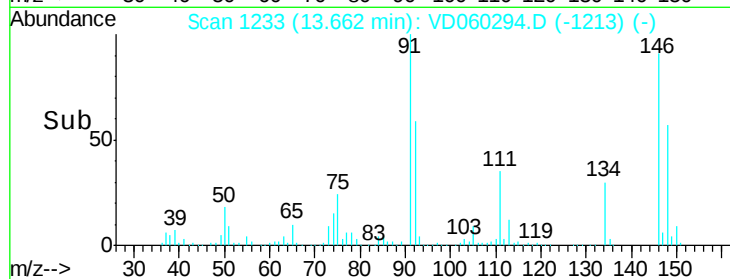
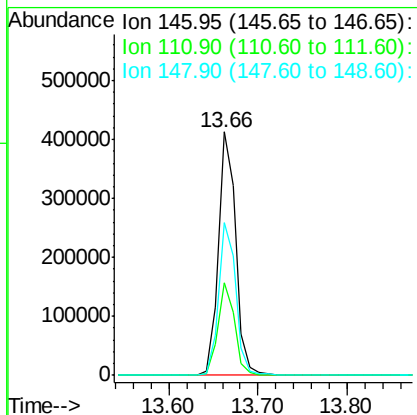
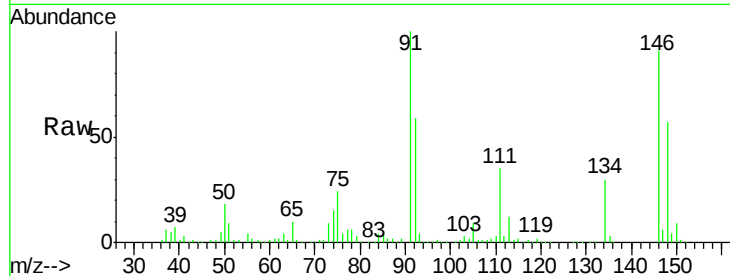




#91
 1,2-Dichlorobenzene
 Concen: 21.80 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. -0.01 min
 Lab File: VD060294.D
 Acq: 7 Nov 2018 12:00

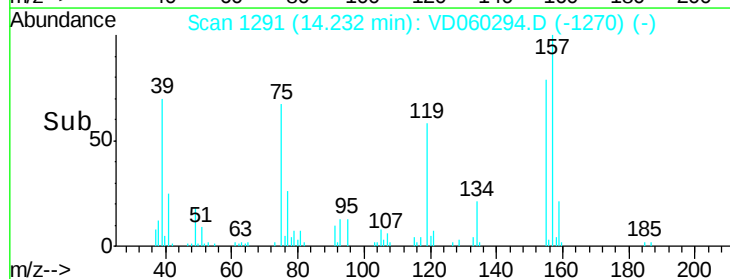
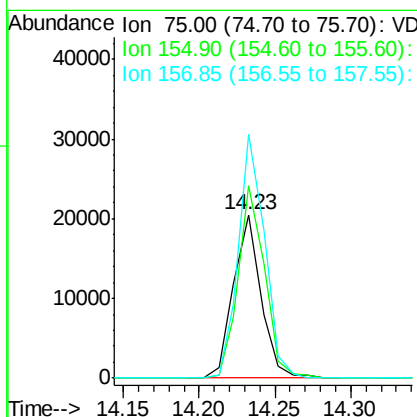
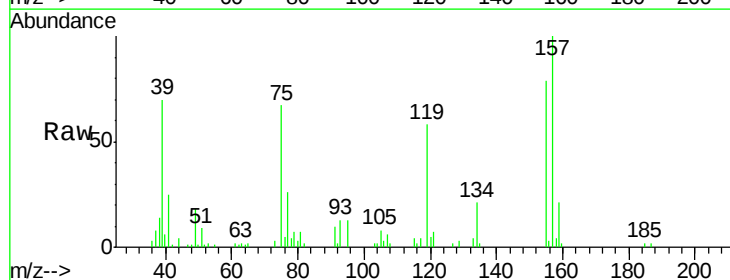
Instrument :
 MSVOA_D
 ClientSampleId :

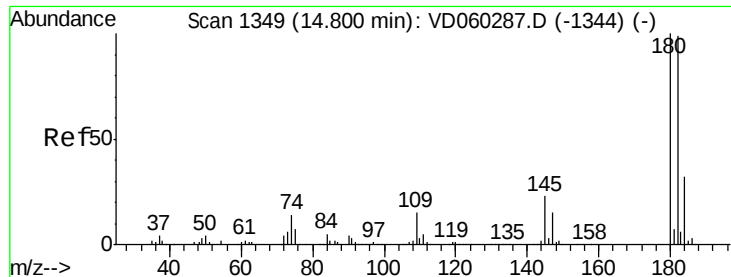
Tot Ion:146 Resp: 560261
 Ion Ratio Lower Upper
 146 100
 111 38.0 18.9 56.9
 148 62.9 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.77 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD060294.D
 Acq: 7 Nov 2018 12:00

Tgt Ion: 75 Resp: 25842
 Ion Ratio Lower Upper
 75 100
 155 118.2 64.3 192.9
 157 149.2 81.0 243.1

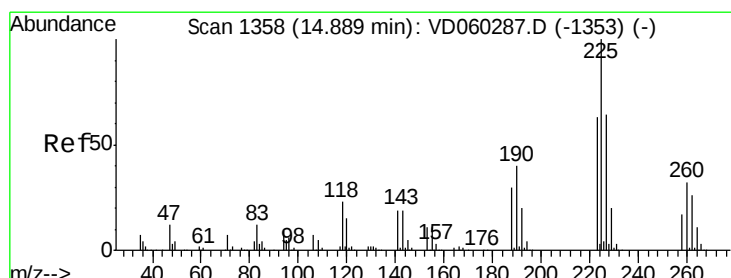
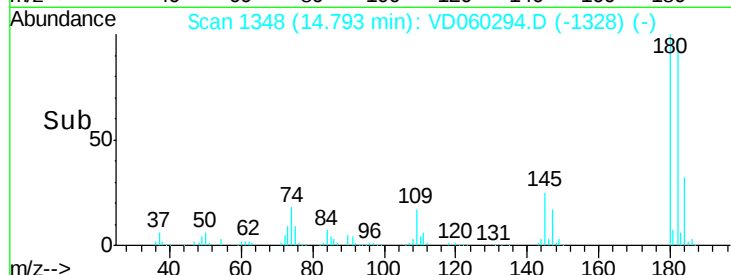
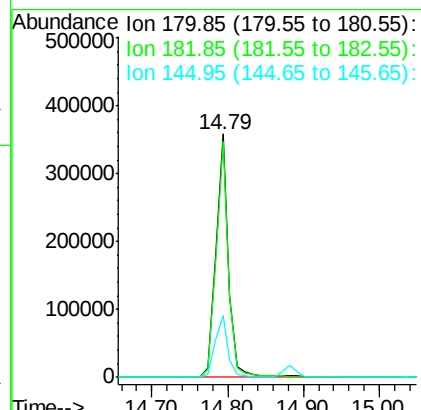
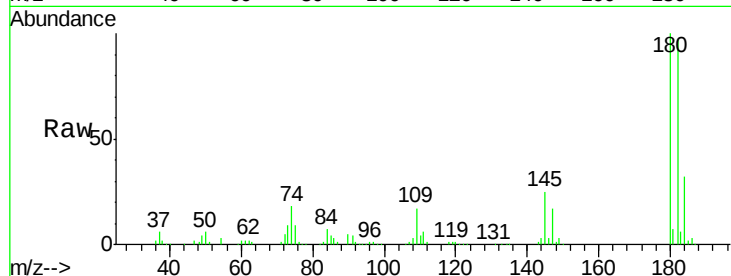




#93
 1,2,4-Trichlorobenzene
 Concen: 20.65 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: VD060294.D
 Acq: 7 Nov 2018 12:00

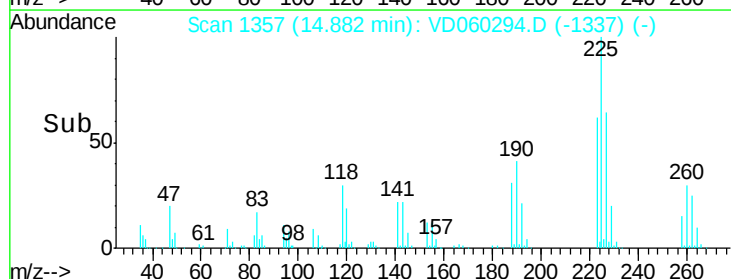
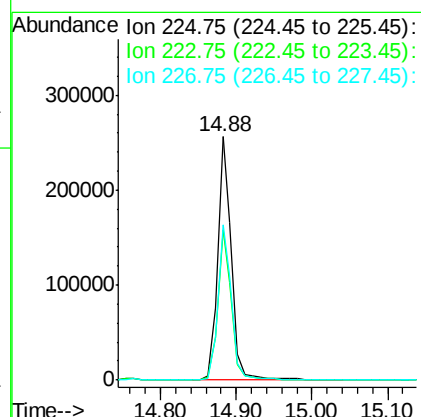
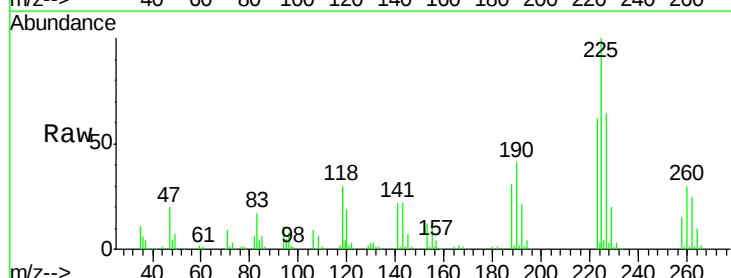
Instrument :
 MSVOA_D
 ClientSampleId :

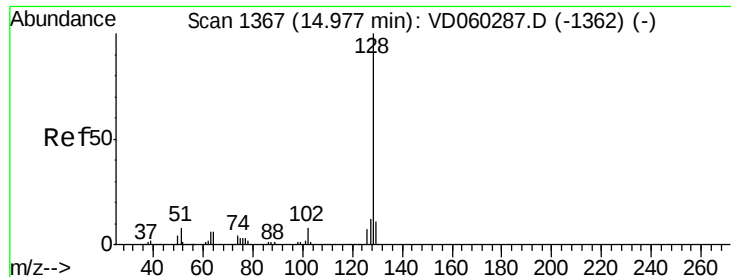
Tot Ion:180 Resp: 420823
 Ion Ratio Lower Upper
 180 100
 182 97.1 48.1 144.4
 145 25.4 11.5 34.4



#94
 Hexachlorobutadiene
 Concen: 21.56 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. -0.01 min
 Lab File: VD060294.D
 Acq: 7 Nov 2018 12:00

Tgt Ion:225 Resp: 328590
 Ion Ratio Lower Upper
 225 100
 223 61.6 31.6 94.8
 227 64.0 32.3 96.9

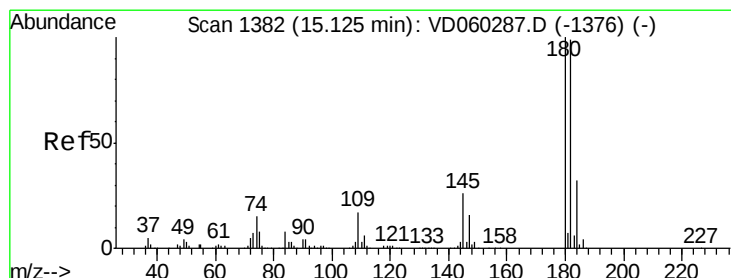
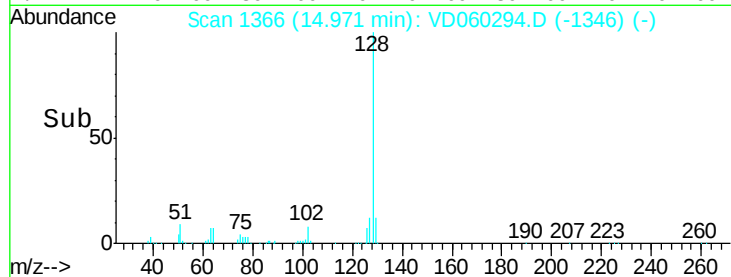
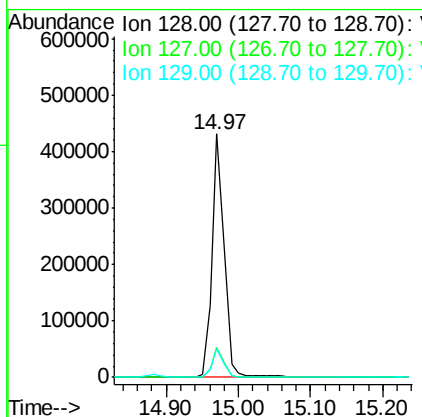
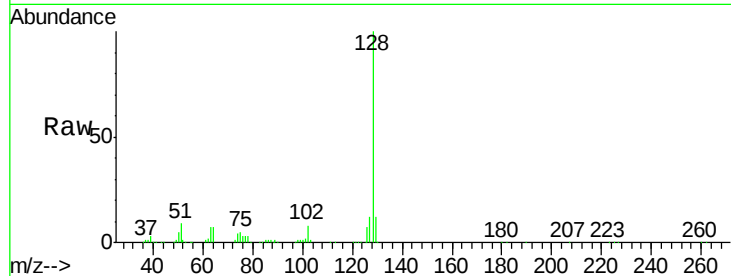




#95
Naphthalene
Concen: 20.12 ug/l
RT: 14.97 min Scan# 1366
Delta R.T. -0.01 min
Lab File: VD060294.D
Acq: 7 Nov 2018 12:00

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 500541
Ion Ratio Lower Upper
128 100
127 12.2 9.6 14.4
129 11.7 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 20.02 ug/l
RT: 15.12 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VD060294.D
Acq: 7 Nov 2018 12:00

Tgt Ion:180 Resp: 326991
Ion Ratio Lower Upper
180 100
182 100.4 48.9 146.7
145 27.5 12.9 38.6

