

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111318\
 Data File : VD060355.D
 Acq On : 13 Nov 2018 12:41
 Operator : JC/SY
 Sample : VD1113SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 14 05:47:40 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	1563709	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.46	114	2153794	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1736082	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	905523	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.80	65	560010	50.02	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.04%	
35) Dibromofluoromethane	6.33	113	798739	49.73	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.46%	
50) Toluene-d8	9.46	98	2338370	49.75	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.50%	
62) 4-Bromofluorobenzene	12.44	95	828394	48.64	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	316196	23.337	ug/l	98
3) Chloromethane	1.77	50	289435	19.541	ug/l	97
4) Vinyl Chloride	1.86	62	242203	20.023	ug/l	95
5) Bromomethane	2.15	94	46153	16.082	ug/l	100
6) Chloroethane	2.27	64	69624	17.347	ug/l	100
7) Trichlorofluoromethane	2.52	101	288977	20.263	ug/l	95
8) Diethyl Ether	2.83	74	49117	19.022	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.10	101	192122	20.482	ug/l	99
10) Methyl Iodide	3.25	142	214353	17.595	ug/l	98
11) Tert butyl alcohol	3.98	59	40091	87.199	ug/l	98
12) 1,1-Dichloroethene	3.09	96	152606	20.001	ug/l	94
13) Acrolein	3.00	56	41685	76.731	ug/l	97
14) Allyl chloride	3.54	41	295916	20.270	ug/l	96
15) Acrylonitrile	4.10	53	253443	94.529	ug/l	99
16) Acetone	3.16	43	187988	96.794	ug/l	98
17) Carbon Disulfide	3.32	76	478414	19.426	ug/l	99
18) Methyl Acetate	3.57	43	72918	17.608	ug/l	99
19) Methyl tert-butyl Ether	4.14	73	449577	19.678	ug/l	99
20) Methylene Chloride	3.73	84	392216	22.766	ug/l	97
21) trans-1,2-Dichloroethene	4.11	96	348639	20.579	ug/l	98
22) Diisopropyl ether	4.87	45	1128038	20.682	ug/l	99
23) Vinyl Acetate	4.82	43	2815556	103.744	ug/l	99
24) 1,1-Dichloroethane	4.77	63	589080	21.062	ug/l	99
25) 2-Butanone	5.64	43	406082	100.594	ug/l	100
26) 2,2-Dichloropropane	5.60	77	471010	21.661	ug/l	98
27) cis-1,2-Dichloroethene	5.61	96	365865	20.730	ug/l	95
28) Bromochloromethane	5.94	49	244672	19.826	ug/l	90
29) Tetrahydrofuran	5.97	42	206525	97.036	ug/l	100
30) Chloroform	6.11	83	597125	21.356	ug/l	96
31) Cyclohexane	6.37	56	531180	19.870	ug/l	99
32) 1,1,1-Trichloroethane	6.30	97	470046	19.957	ug/l	99
36) 1,1-Dichloropropene	6.53	75	465462	21.875	ug/l	96
37) Ethyl Acetate	5.70	43	195023	19.918	ug/l	99
38) Carbon Tetrachloride	6.51	117	414886	21.019	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.06	83	513674	20.989	ug/l	98
40) Benzene	6.81	78	1185898	21.833	ug/l	100
41) Methacrylonitrile	5.96	41	223315	19.927	ug/l #	96
42) 1,2-Dichloroethane	6.90	62	292822	20.597	ug/l	98
43) Isopropyl Acetate	8.36	43	235904	19.180	ug/l #	97
44) Trichloroethene	7.75	130	351567	21.352	ug/l	100
45) 1,2-Dichloropropane	8.11	63	287906	21.017	ug/l	97
46) Dibromomethane	8.22	93	162694	20.278	ug/l	95
47) Bromodichloromethane	8.50	83	394714	20.878	ug/l	99
48) Methyl methacrylate	8.25	41	144611	19.357	ug/l	96
49) 1,4-Dioxane	8.25	88	26501	409.974	ug/l	89
51) 4-Methyl-2-Pentanone	9.35	43	777166	97.083	ug/l	100
52) Toluene	9.56	92	737866	21.267	ug/l	98
53) t-1,3-Dichloropropene	9.93	75	328054	20.537	ug/l	100
54) cis-1,3-Dichloropropene	9.12	75	422731	20.633	ug/l	96
55) 1,1,2-Trichloroethane	10.19	97	201225	20.010	ug/l	97
56) Ethyl methacrylate	10.04	69	174963	18.923	ug/l	97
57) 1,3-Dichloropropane	10.40	76	313020	20.428	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.93	63	571594	102.240	ug/l	96
59) 2-Hexanone	10.50	43	598174	104.840	ug/l	99
60) Dibromochloromethane	10.65	129	249717	20.428	ug/l	100
61) 1,2-Dibromoethane	10.77	107	195559	19.409	ug/l	95
64) Tetrachloroethene	10.26	164	328615	21.203	ug/l	96
65) Chlorobenzene	11.32	112	795866	21.158	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.43	131	265508	21.573	ug/l	98
67) Ethyl Benzene	11.44	91	1397288	21.715	ug/l	99
68) m/p-Xylenes	11.58	106	1043976	43.981	ug/l	100
69) o-Xylene	11.94	106	482916	21.059	ug/l	97
70) Styrene	11.96	104	765465	20.655	ug/l	96
71) Bromoform	12.12	173	161386	19.514	ug/l #	99
73) Isopropylbenzene	12.29	105	1336046	20.251	ug/l	98
74) N-amyl acetate	12.14	43	294804	17.429	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.57	83	212394	19.685	ug/l	98
76) 1,2,3-Trichloropropane	12.60	75	206909	19.101	ug/l	98
77) Bromobenzene	12.55	156	350536	20.003	ug/l	90
78) n-propylbenzene	12.64	91	1659744	20.155	ug/l	96
79) 2-Chlorotoluene	12.71	91	932129	20.667	ug/l	95
80) 1,3,5-Trimethylbenzene	12.80	105	1055016	20.577	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.35	75	56400	18.289	ug/l	93
82) 4-Chlorotoluene	12.82	91	1049504	20.715	ug/l	94
83) tert-Butylbenzene	13.06	119	1208825	21.236	ug/l	96
84) 1,2,4-Trimethylbenzene	13.10	105	1070252	20.901	ug/l	96
85) sec-Butylbenzene	13.23	105	1420563	20.341	ug/l	96
86) p-Isopropyltoluene	13.35	119	1195842	21.263	ug/l	99
87) 1,3-Dichlorobenzene	13.32	146	647446	20.766	ug/l	95
88) 1,4-Dichlorobenzene	13.40	146	631534	20.740	ug/l	98
89) n-Butylbenzene	13.66	91	1247376	20.185	ug/l	97
90) Hexachloroethane	13.86	117	268583	20.140	ug/l	91
91) 1,2-Dichlorobenzene	13.67	146	534299	20.863	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	25534	19.605	ug/l	79

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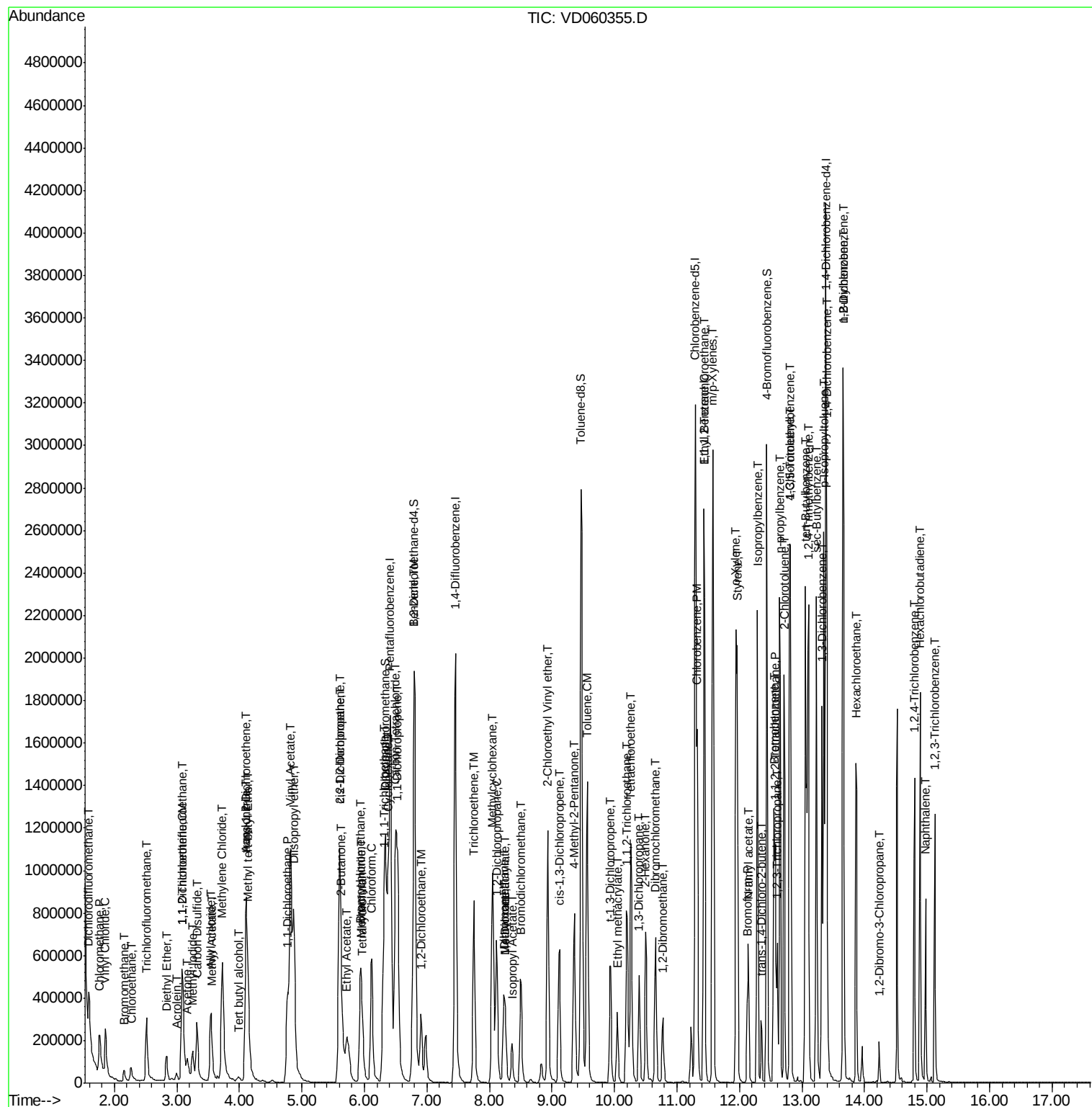
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.80	180	401041	19.751	ug/l	99
94) Hexachlorobutadiene	14.89	225	313082	20.615	ug/l	97
95) Naphthalene	14.97	128	478730	19.309	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	328029	20.161	ug/l	98

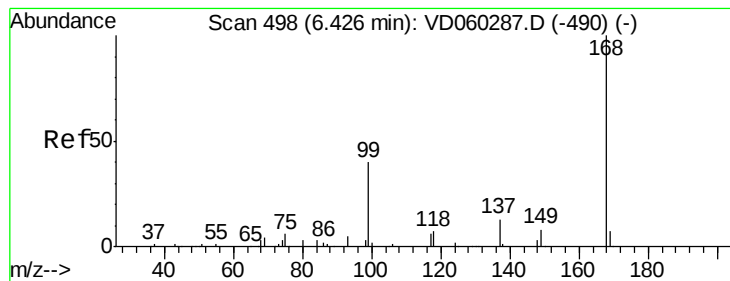
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111318\
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Quant Title : SW846 8260
QLast Update : Tue Nov 06 13:56:04 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.42 min Scan# 498

Delta R.T. -0.00 min

Lab File: VD060355.D

Acq: 13 Nov 2018 12:41

Instrument :

MSVOA_D

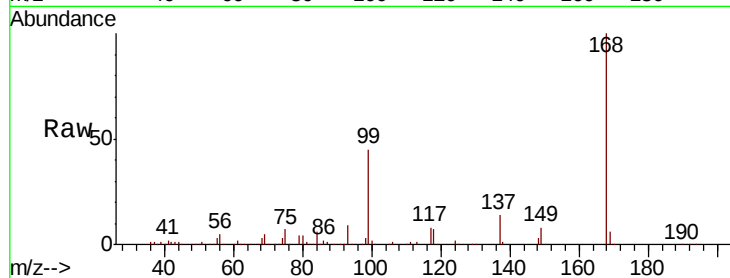
ClientSampleId :

Tot Ion:168 Resp: 1563709

Ion Ratio Lower Upper

168 100

99 44.5 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.42

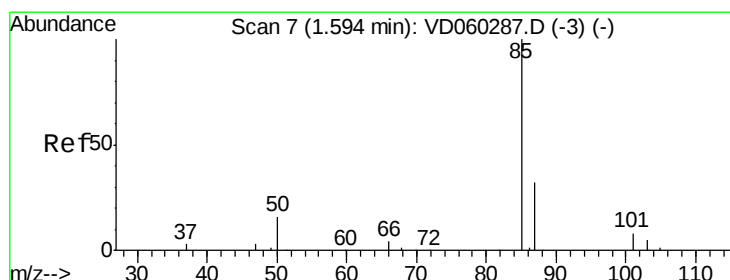
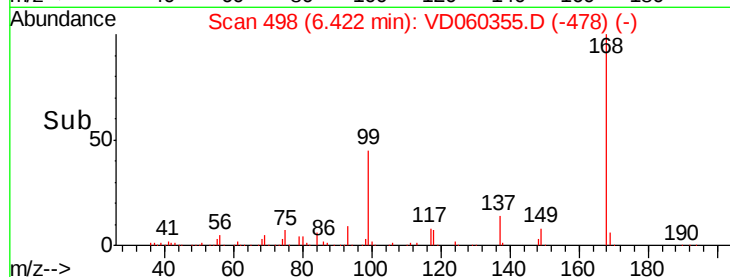
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 23.337 ug/l

RT: 1.59 min Scan# 7

Delta R.T. -0.00 min

Lab File: VD060355.D

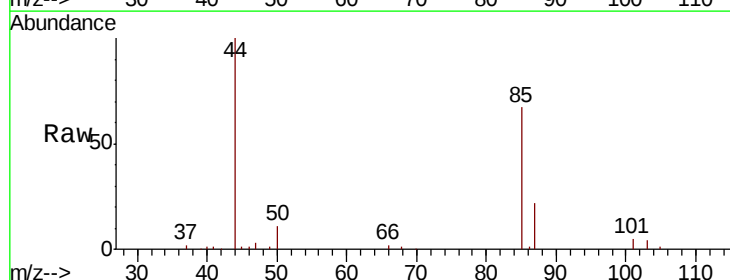
Acq: 13 Nov 2018 12:41

Tgt Ion: 85 Resp: 316196

Ion Ratio Lower Upper

85 100

87 32.7 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

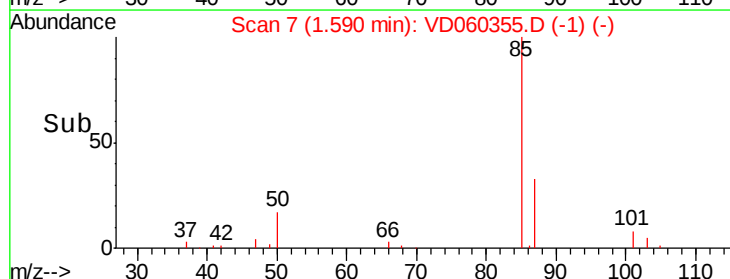
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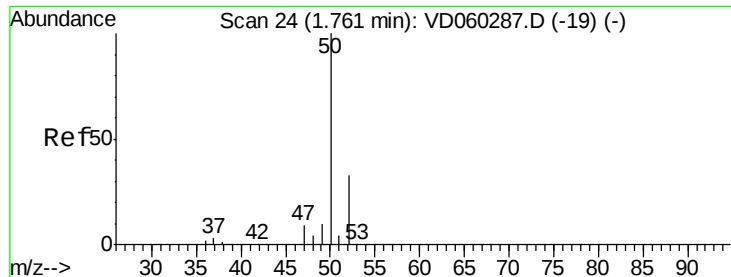
100000

50000

0

Time-->





#3

Chloromethane

Concen: 19.541 ug/l

RT: 1.77 min Scan# 25

Delta R.T. 0.01 min

Lab File: VD060355.D

Acq: 13 Nov 2018 12:41

Instrument :

MSVOA_D

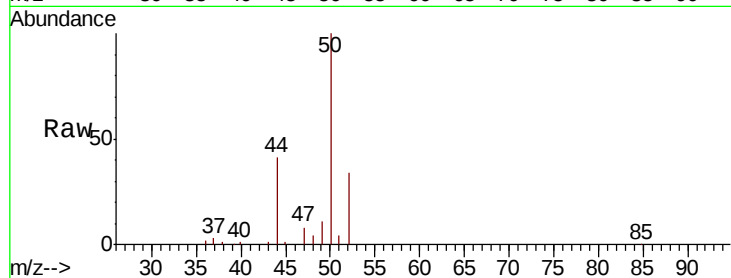
ClientSampleId :

Tot Ion: 50 Resp: 289435

Ion Ratio Lower Upper

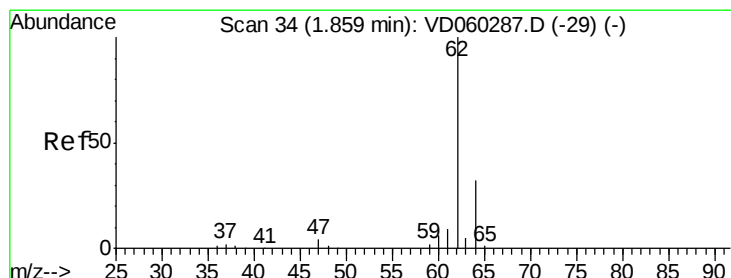
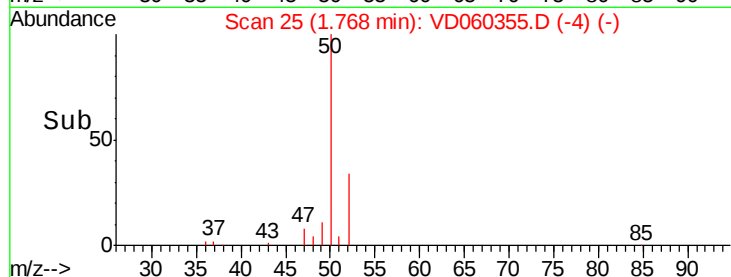
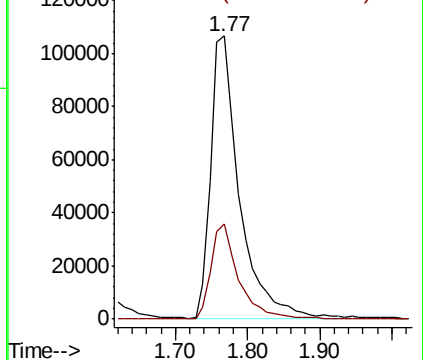
50 100

52 33.8 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.023 ug/l

RT: 1.86 min Scan# 34

Delta R.T. -0.00 min

Lab File: VD060355.D

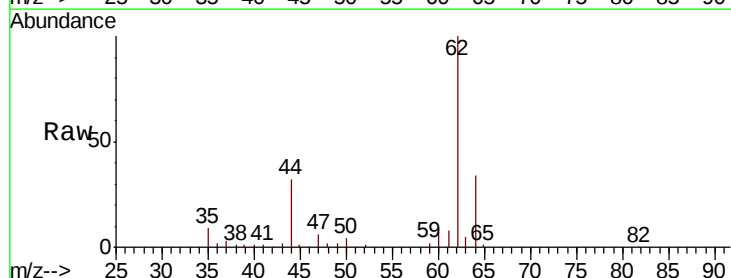
Acq: 13 Nov 2018 12:41

Tgt Ion: 62 Resp: 242203

Ion Ratio Lower Upper

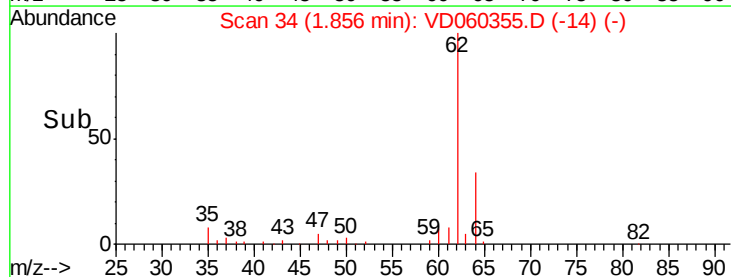
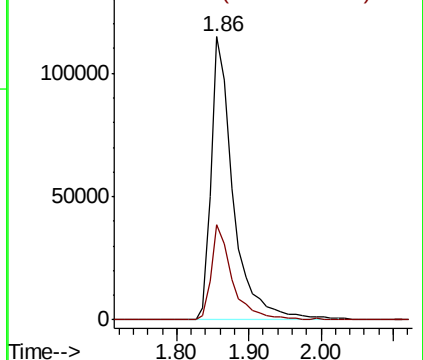
62 100

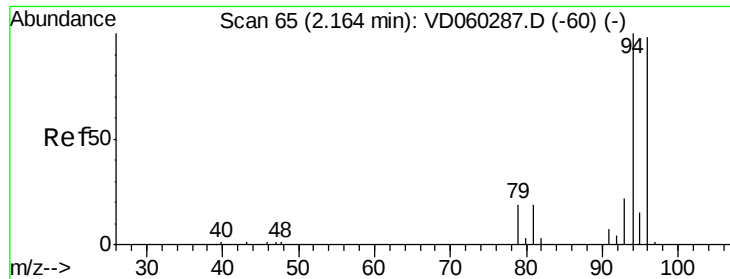
64 33.8 24.9 37.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 16.082 ug/l

RT: 2.15 min Scan# 64

Delta R.T. -0.01 min

Lab File: VD060355.D

Acq: 13 Nov 2018 12:41

Instrument :

MSVOA_D

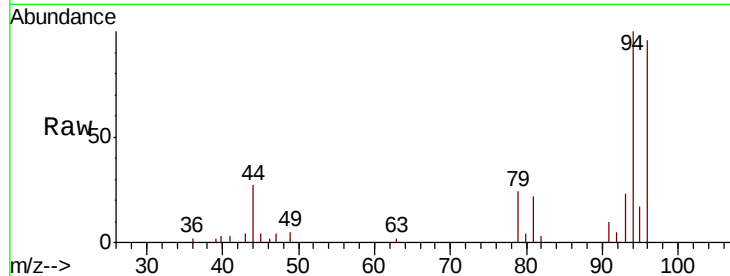
ClientSampleId :

Tot Ion: 94 Resp: 46153

Ion Ratio Lower Upper

94 100

96 95.7 76.6 114.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

20000

15000

10000

5000

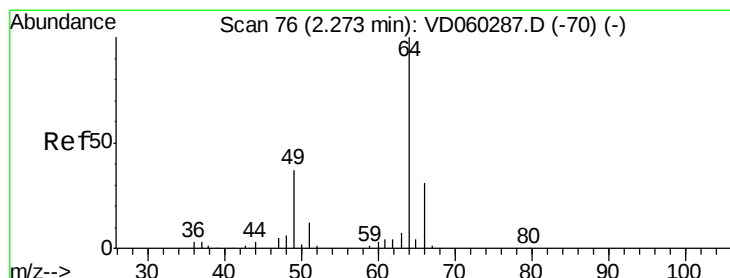
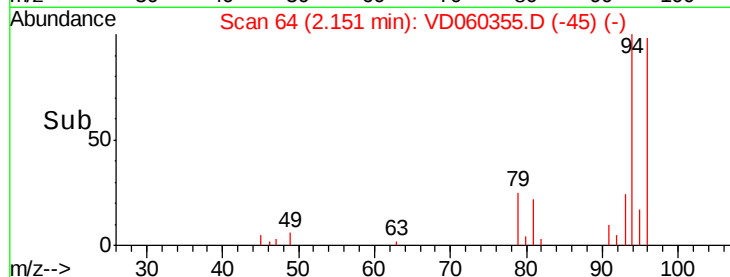
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Time-->

2.10

2.20

2.30



#6

Chloroethane

Concen: 17.347 ug/l

RT: 2.27 min Scan# 76

Delta R.T. -0.00 min

Lab File: VD060355.D

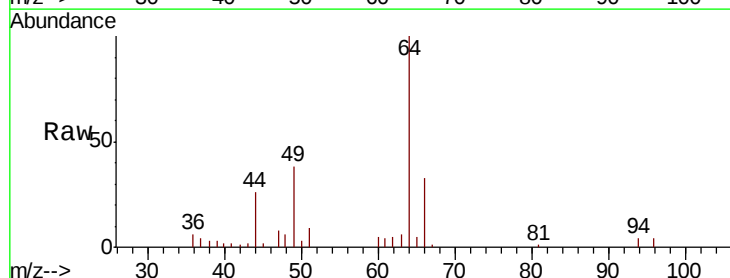
Acq: 13 Nov 2018 12:41

Tgt Ion: 64 Resp: 69624

Ion Ratio Lower Upper

64 100

66 33.2 26.6 40.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

30000

25000

20000

15000

10000

5000

0

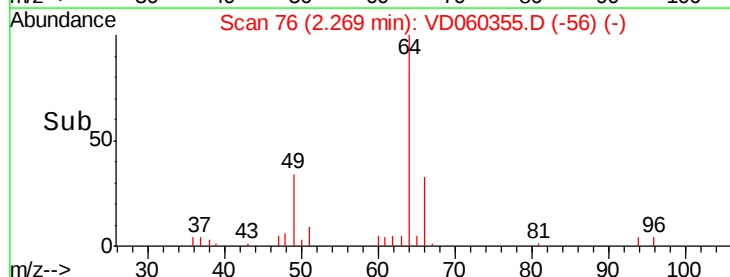
Time-->

2.20

2.30

2.40

2.50



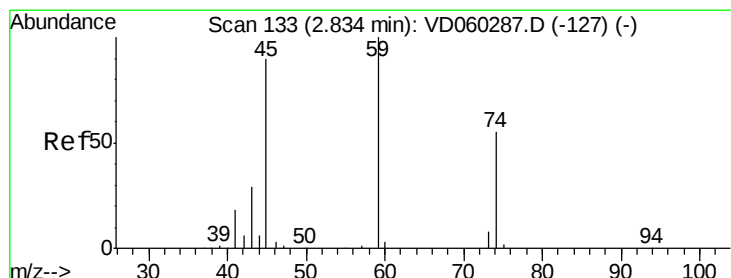
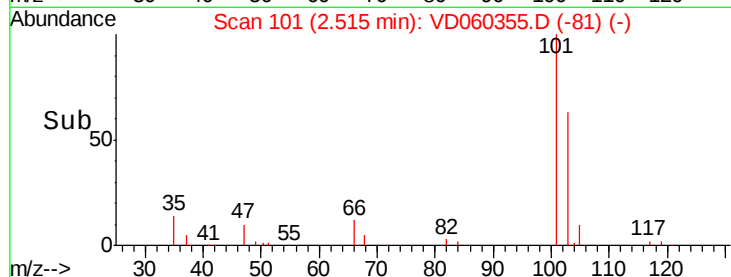
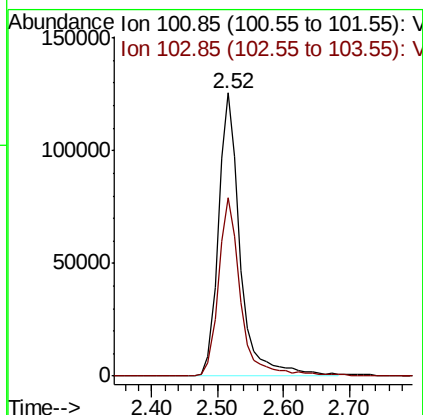
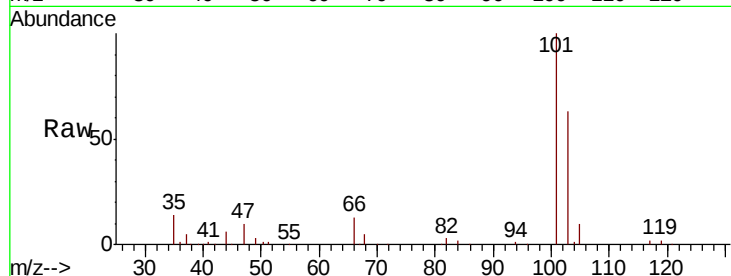


#7

Trichlorofluoromethane
Concen: 20.263 ug/l
RT: 2.52 min Scan# 101
Delta R.T. -0.00 min
Lab File: VD060355.D
Acq: 13 Nov 2018 12:41

Instrument :
MSVOA_D
ClientSampleID :

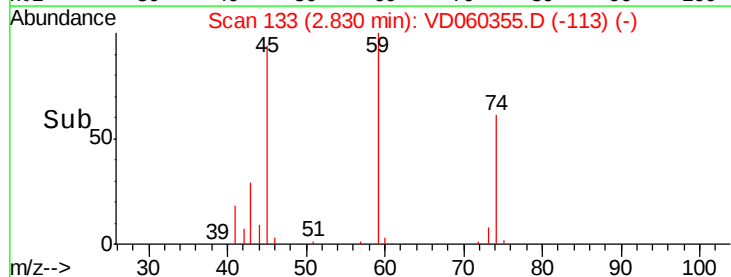
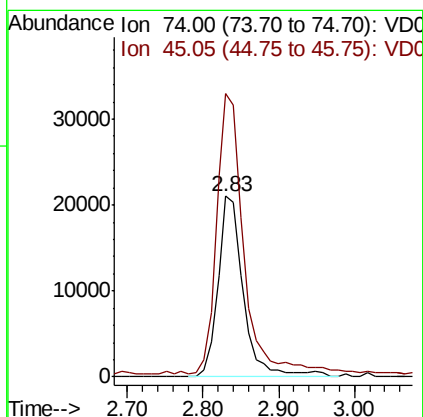
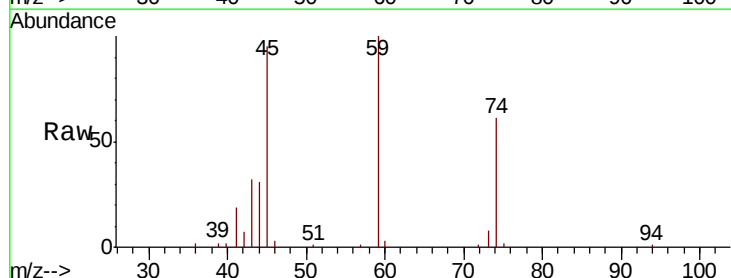
Tot Ion:101 Resp: 288977
Ion Ratio Lower Upper
101 100
103 62.9 53.6 80.4



#8

Diethyl Ether
Concen: 19.022 ug/l
RT: 2.83 min Scan# 133
Delta R.T. -0.00 min
Lab File: VD060355.D
Acq: 13 Nov 2018 12:41

Tgt Ion: 74 Resp: 49117
Ion Ratio Lower Upper
74 100
45 156.9 84.8 254.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.482 ug/l

RT: 3.10 min Scan# 160

Delta R.T. -0.00 min

Lab File: VD060355.D

Acq: 13 Nov 2018 12:41

Instrument :

MSVOA_D

ClientSampled :

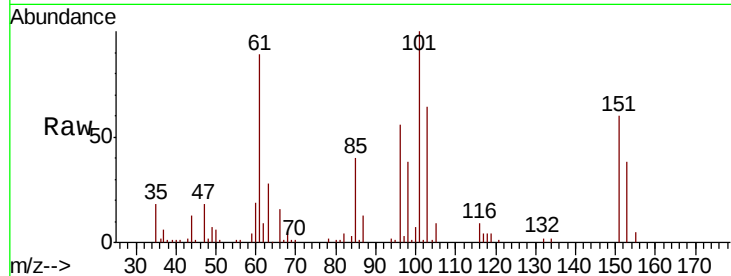
Tot Ion:101 Resp: 192122

Ion Ratio Lower Upper

101 100

85 40.0 31.4 47.0

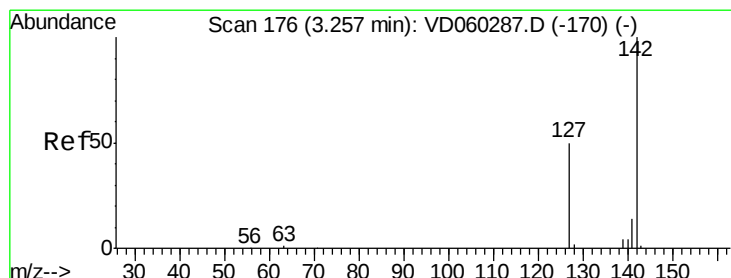
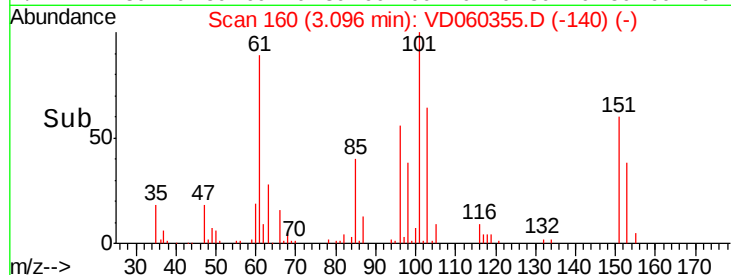
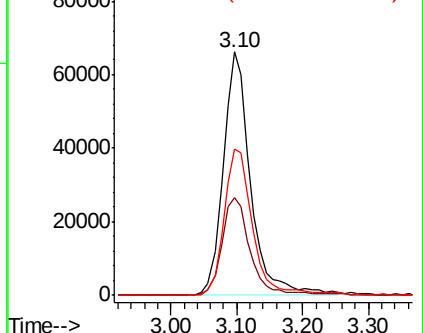
151 60.4 47.4 71.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 17.595 ug/l

RT: 3.25 min Scan# 176

Delta R.T. -0.00 min

Lab File: VD060355.D

Acq: 13 Nov 2018 12:41

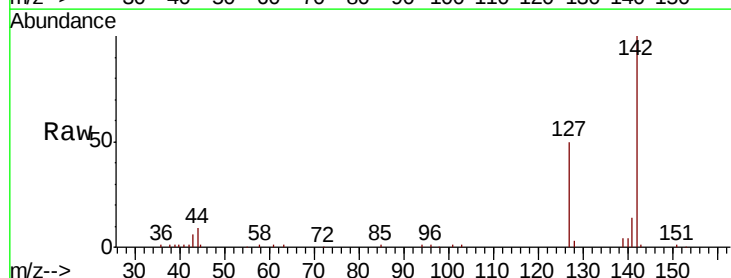
Tgt Ion:142 Resp: 214353

Ion Ratio Lower Upper

142 100

127 49.9 41.0 61.6

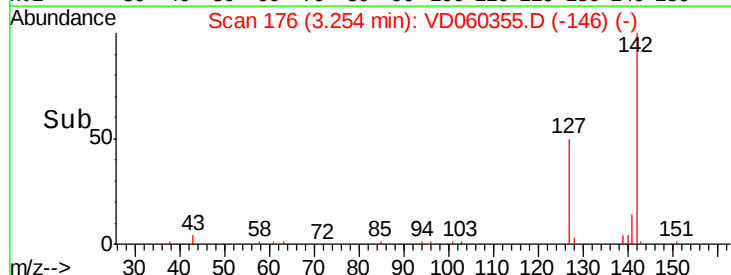
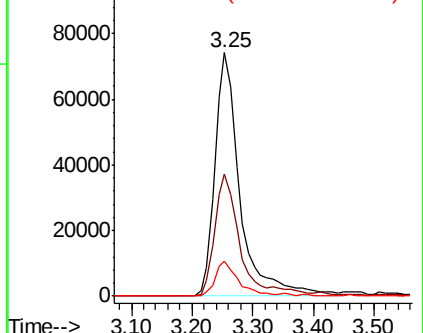
141 14.3 11.9 17.9

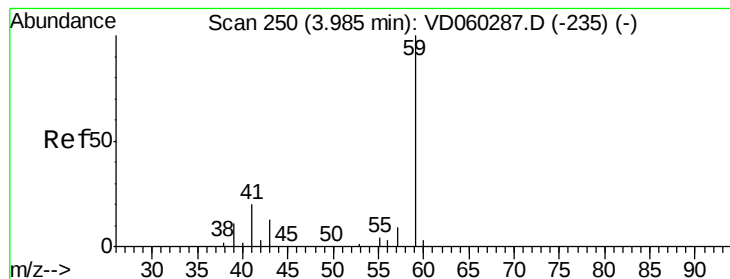


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



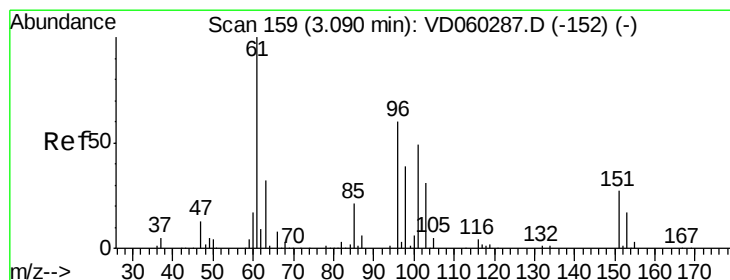
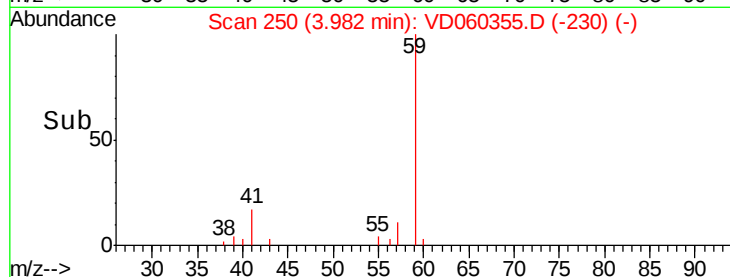
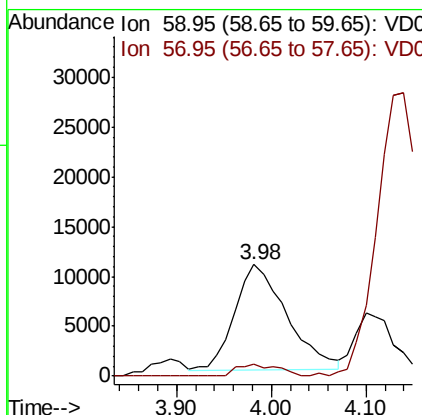
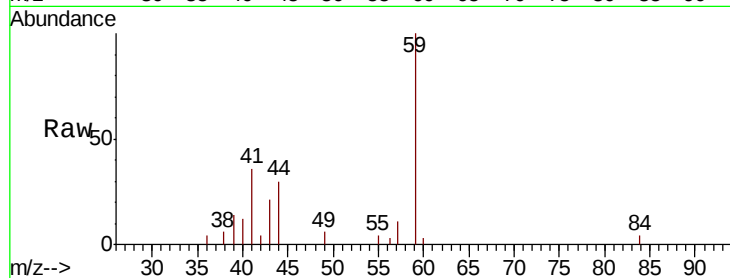


#11

Tert butyl alcohol
 Concen: 87.199 ug/l
 RT: 3.98 min Scan# 250
 Delta R.T. -0.00 min
 Lab File: VD060355.D
 Acq: 13 Nov 2018 12:41

Instrument :
 MSVOA_D
 ClientSampled :

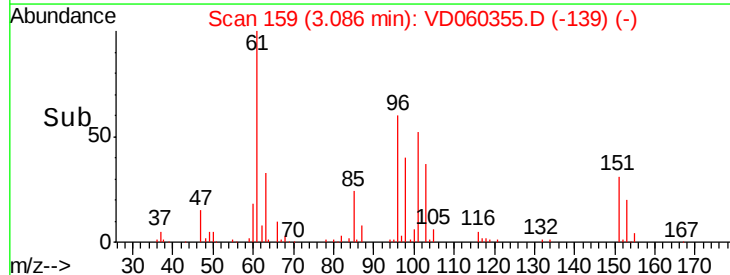
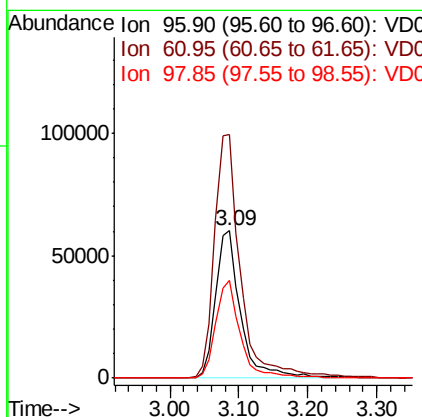
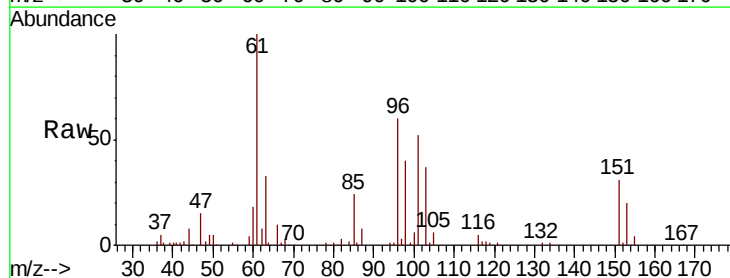
Tot Ion: 59 Resp: 40091
 Ion Ratio Lower Upper
 59 100
 57 10.8 9.3 13.9

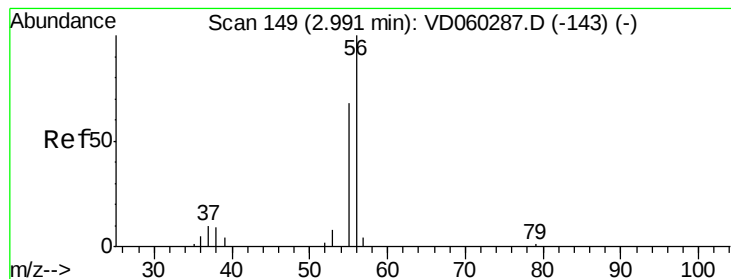


#12

1,1-Dichloroethene
 Concen: 20.001 ug/l
 RT: 3.09 min Scan# 159
 Delta R.T. -0.00 min
 Lab File: VD060355.D
 Acq: 13 Nov 2018 12:41

Tgt Ion: 96 Resp: 152606
 Ion Ratio Lower Upper
 96 100
 61 165.6 142.2 213.4
 98 66.2 52.6 79.0





#13

Acrolein

Concen: 76.731 ug/l

RT: 3.00 min Scan# 150

Delta R.T. 0.01 min

Lab File: VD060355.D

Acq: 13 Nov 2018 12:41

Instrument :

MSVOA_D

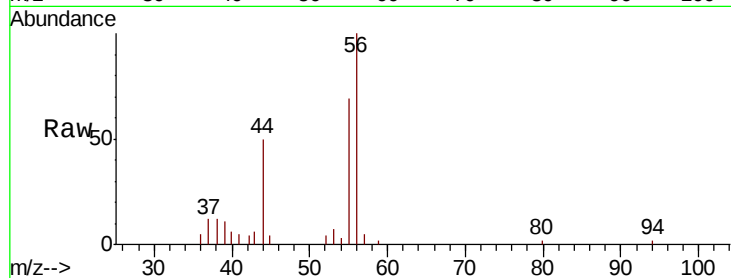
ClientSampleId :

Tot Ion: 56 Resp: 41685

Ion Ratio Lower Upper

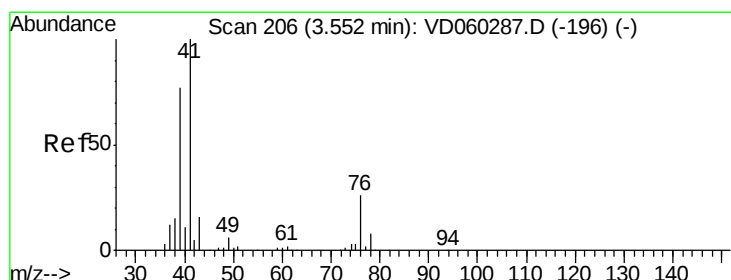
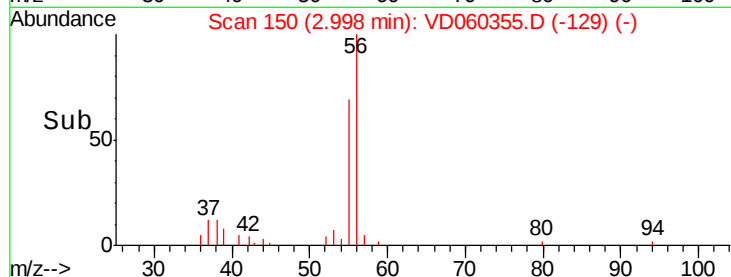
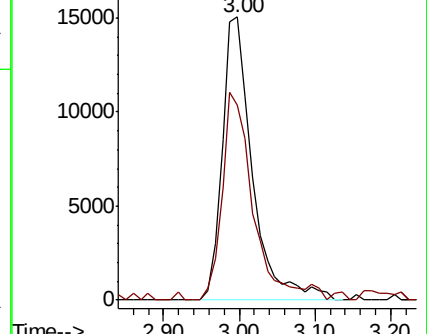
56 100

55 68.7 57.0 85.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.270 ug/l

RT: 3.54 min Scan# 205

Delta R.T. -0.01 min

Lab File: VD060355.D

Acq: 13 Nov 2018 12:41

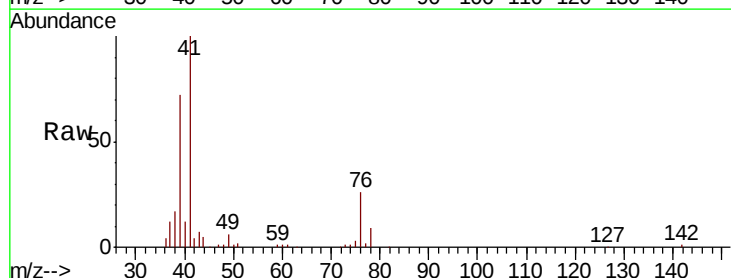
Tgt Ion: 41 Resp: 295916

Ion Ratio Lower Upper

41 100

39 72.3 60.4 90.6

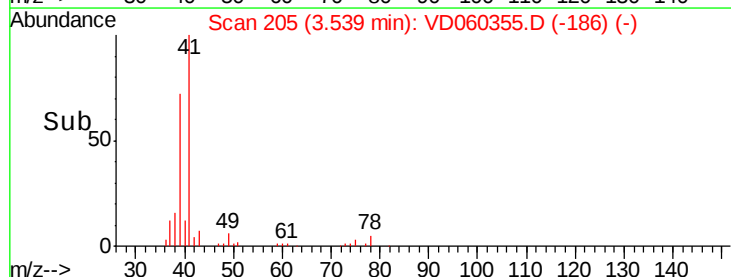
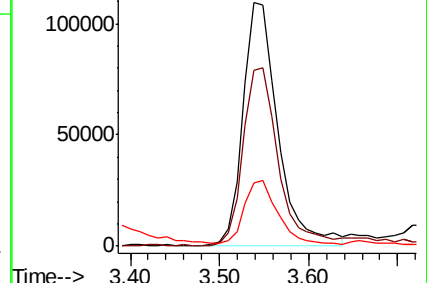
76 25.9 21.8 32.8

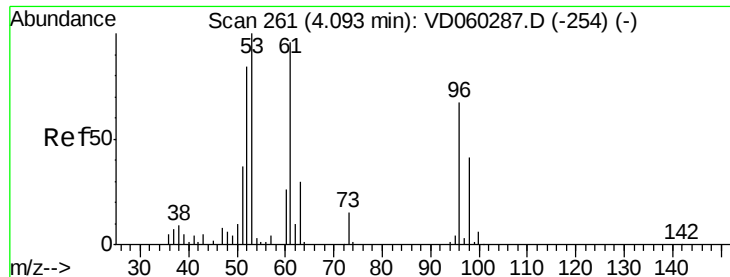


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 94.529 ug/l

RT: 4.10 min Scan# 262

Delta R.T. 0.01 min

Lab File: VD060355.D

Acq: 13 Nov 2018 12:41

Instrument :
MSVOA_D
ClientSampled :

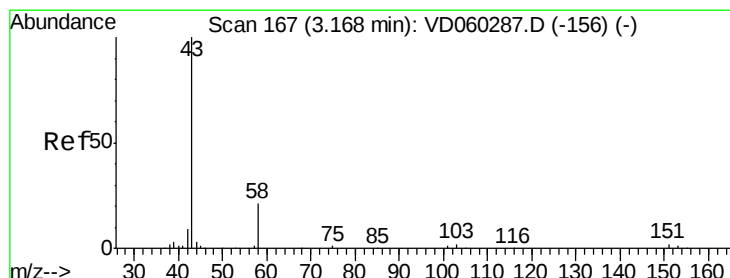
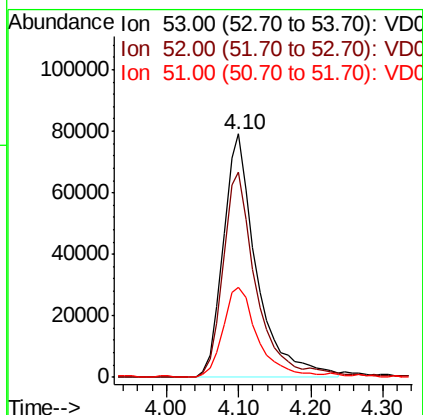
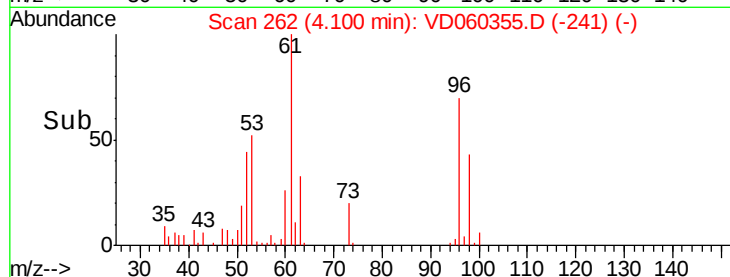
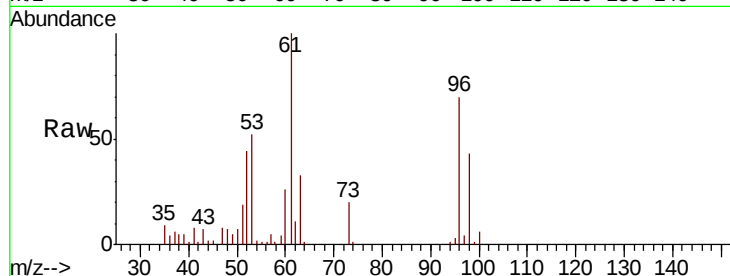
Tot Ion: 53 Resp: 253443

Ion Ratio Lower Upper

53 100

52 84.4 67.0 100.4

51 37.1 29.9 44.9



#16

Acetone

Concen: 96.794 ug/l

RT: 3.16 min Scan# 167

Delta R.T. -0.00 min

Lab File: VD060355.D

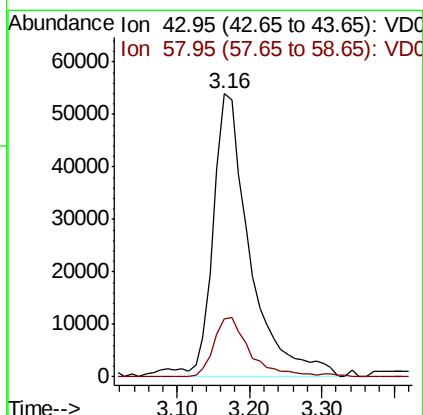
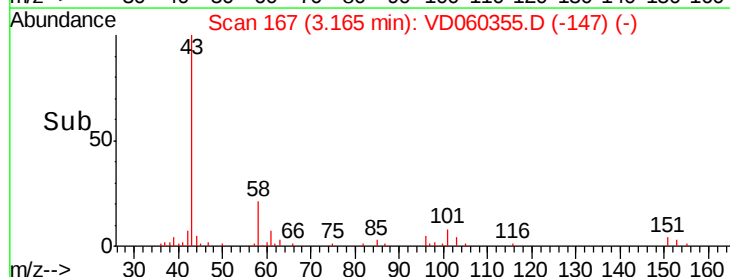
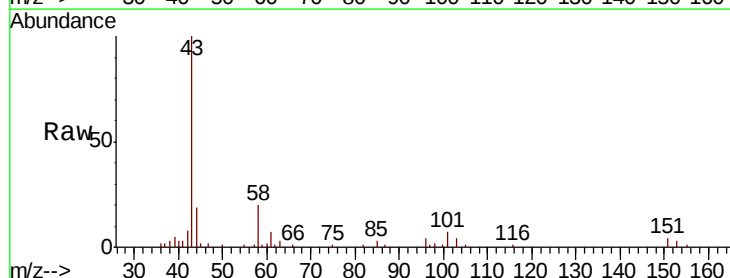
Acq: 13 Nov 2018 12:41

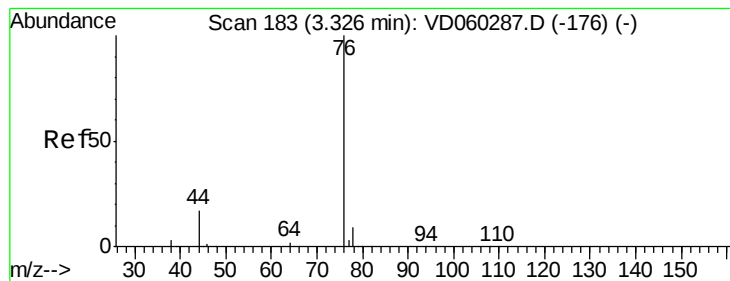
Tgt Ion: 43 Resp: 187988

Ion Ratio Lower Upper

43 100

58 20.3 16.9 25.3





#17

Carbon Disulfide

Concen: 19.426 ug/l

RT: 3.32 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD060355.D

Acq: 13 Nov 2018 12:41

Instrument :

MSVOA_D

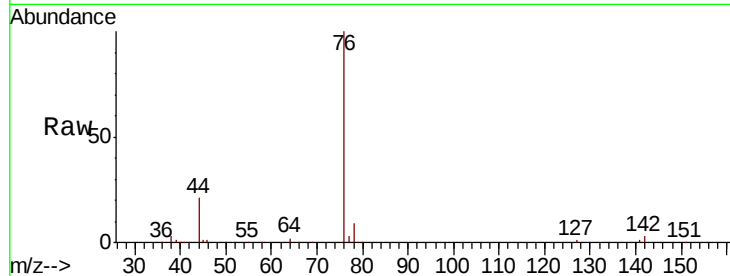
ClientSampled :

Tot Ion: 76 Resp: 478414

Ion Ratio Lower Upper

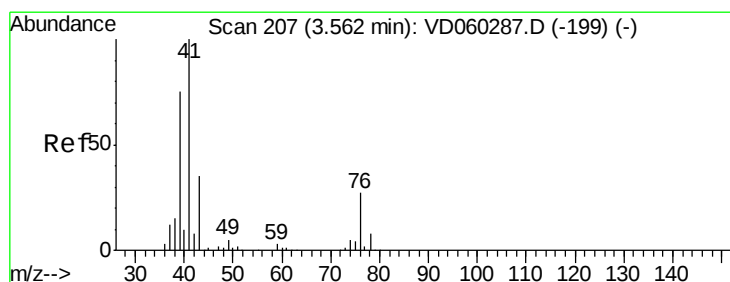
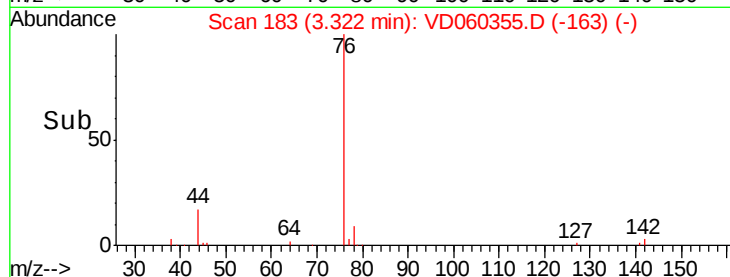
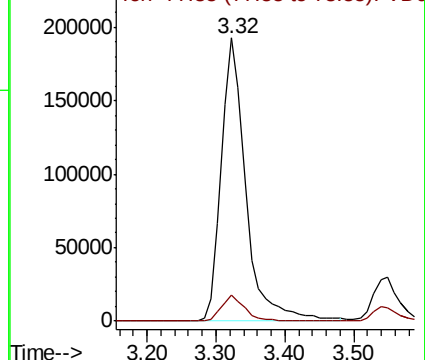
76 100

78 9.1 7.0 10.4



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 17.608 ug/l

RT: 3.57 min Scan# 208

Delta R.T. 0.01 min

Lab File: VD060355.D

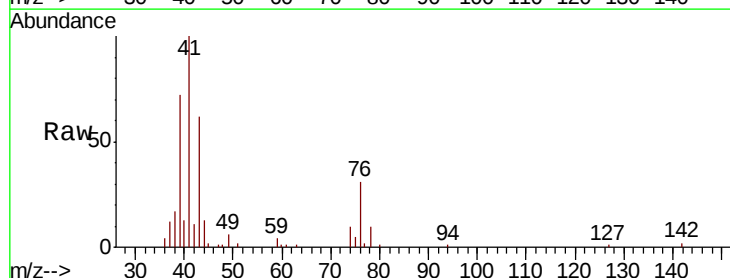
Acq: 13 Nov 2018 12:41

Tgt Ion: 43 Resp: 72918

Ion Ratio Lower Upper

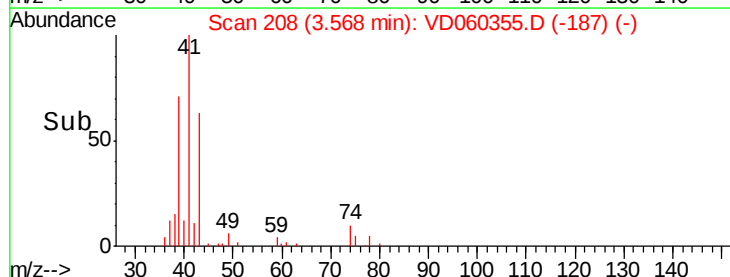
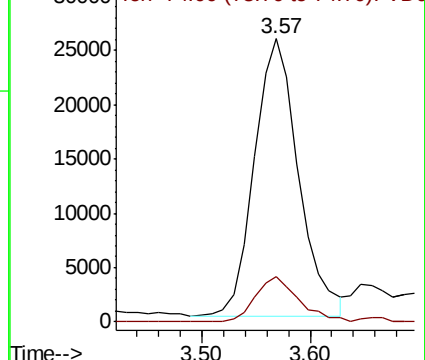
43 100

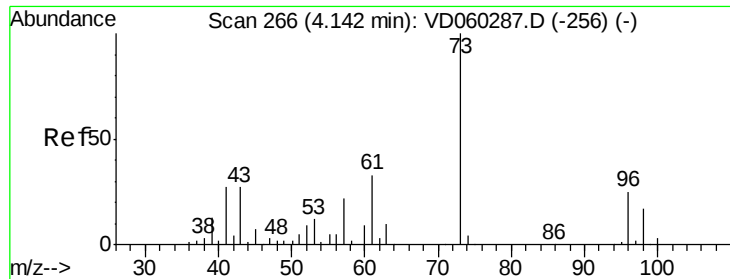
74 16.0 12.4 18.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

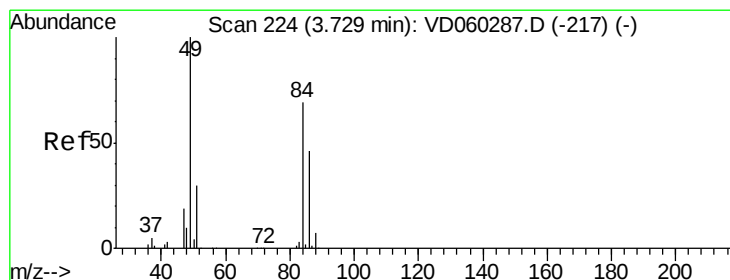
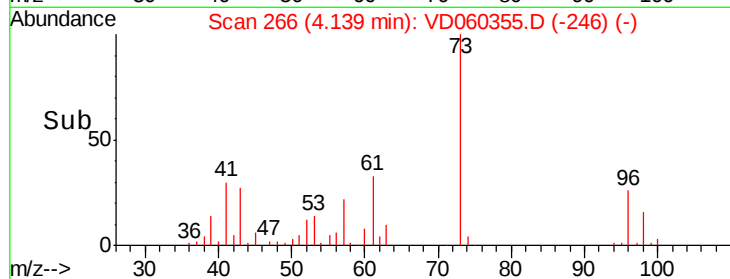
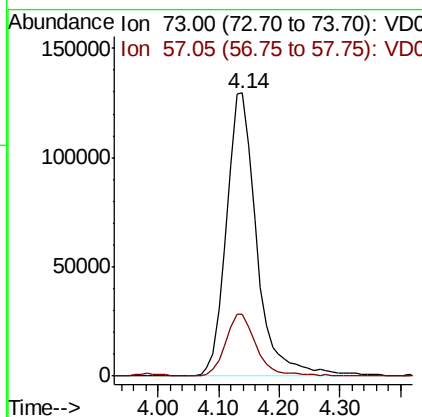
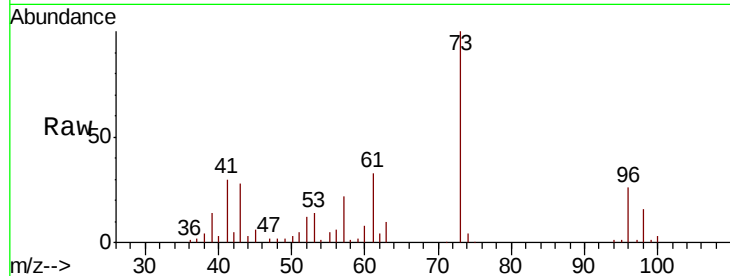




#19
Methyl tert-butyl Ether
Concen: 19.678 ug/l
RT: 4.14 min Scan# 266
Delta R.T. -0.00 min
Lab File: VD060355.D
Acq: 13 Nov 2018 12:41

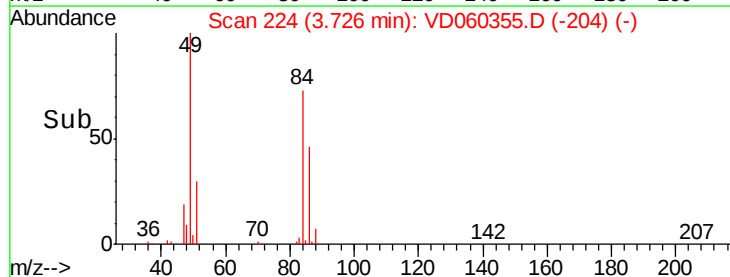
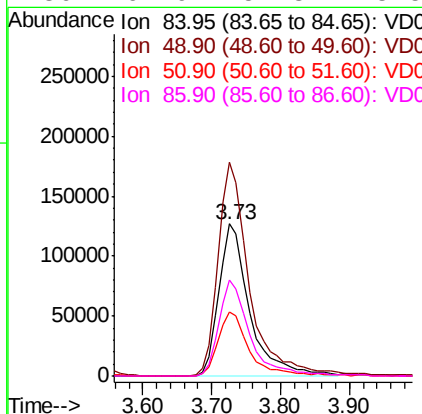
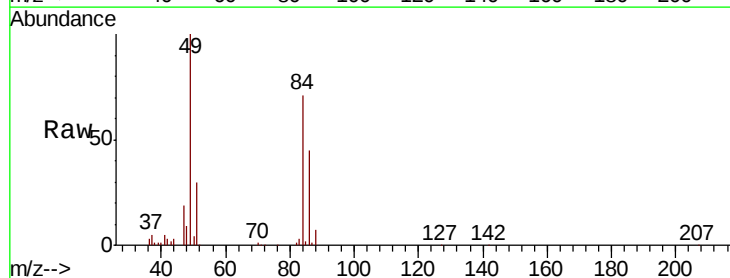
Instrument :
MSVOA_D
ClientSampled :

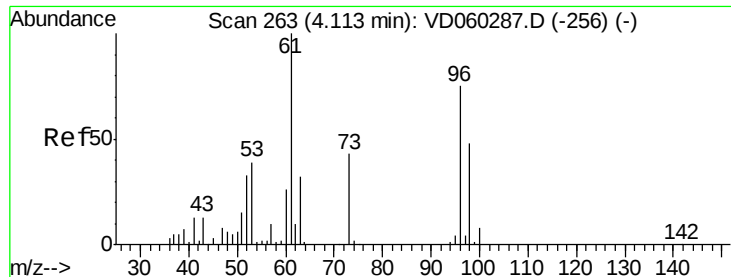
Tot Ion: 73 Resp: 449577
Ion Ratio Lower Upper
73 100
57 21.9 18.1 27.1



#20
Methylene Chloride
Concen: 22.766 ug/l
RT: 3.73 min Scan# 224
Delta R.T. -0.00 min
Lab File: VD060355.D
Acq: 13 Nov 2018 12:41

Tgt Ion: 84 Resp: 392216
Ion Ratio Lower Upper
84 100
49 140.3 115.6 173.4
51 42.0 35.6 53.4
86 62.9 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 20.579 ug/l

RT: 4.11 min Scan# 263

Delta R.T. -0.00 min

Lab File: VD060355.D

Acq: 13 Nov 2018 12:41

Instrument :

MSVOA_D

ClientSampled :

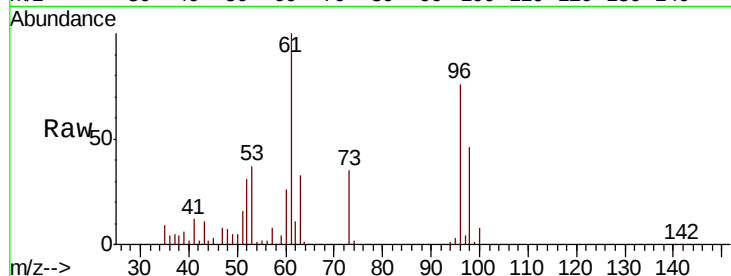
Tot Ion: 96 Resp: 348639

Ion Ratio Lower Upper

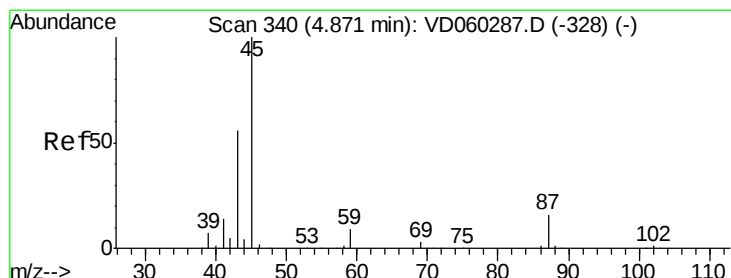
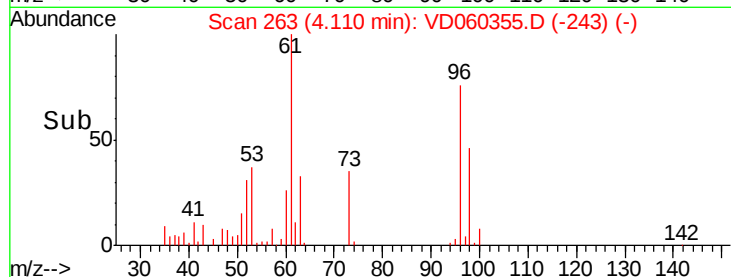
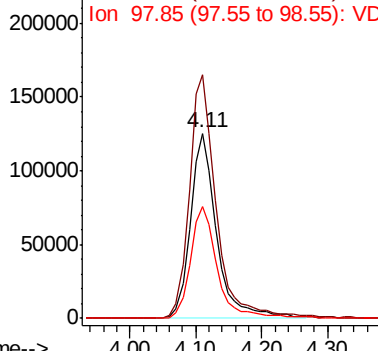
96 100

61 131.7 105.8 158.6

98 60.4 50.8 76.2



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



#22

Diisopropyl ether

Concen: 20.682 ug/l

RT: 4.87 min Scan# 340

Delta R.T. -0.00 min

Lab File: VD060355.D

Acq: 13 Nov 2018 12:41

Tgt Ion: 45 Resp: 1128038

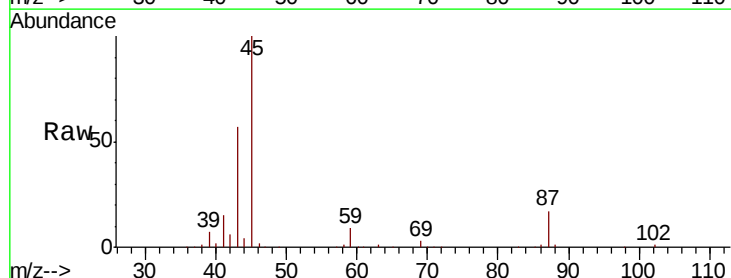
Ion Ratio Lower Upper

45 100

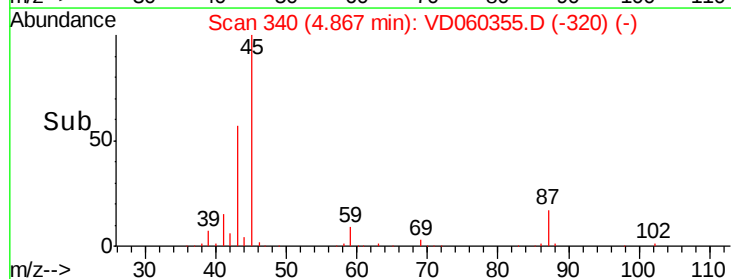
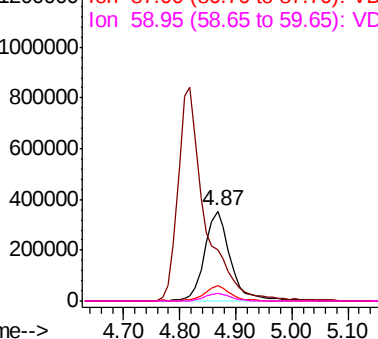
43 57.1 44.9 67.3

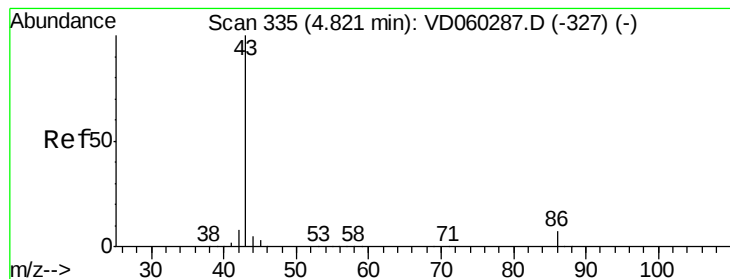
87 16.6 13.9 20.9

59 8.6 7.0 10.6



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





#23

Vinyl Acetate

Concen: 103.744 ug/l

RT: 4.82 min Scan# 335

Delta R.T. -0.00 min

Lab File: VD060355.D

Acq: 13 Nov 2018 12:41

Instrument :

MSVOA_D

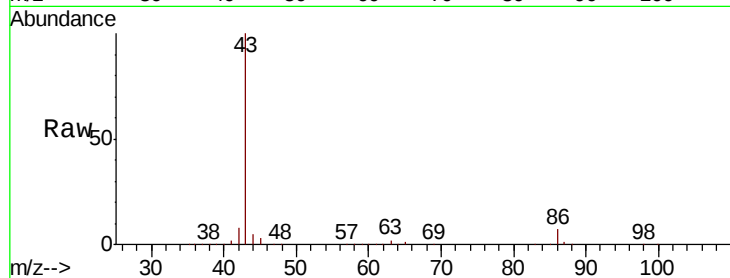
ClientSampleId :

Tot Ion: 43 Resp: 281556

Ion Ratio Lower Upper

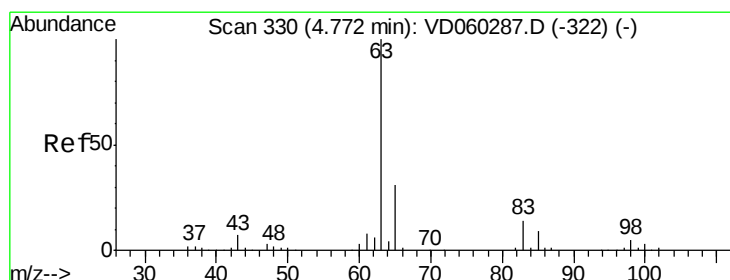
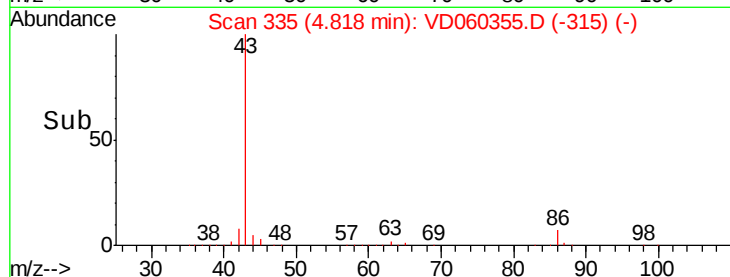
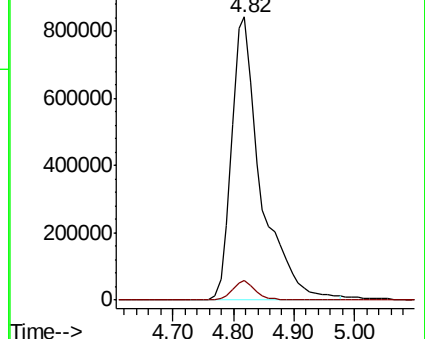
43 100

86 6.8 5.7 8.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.062 ug/l

RT: 4.77 min Scan# 330

Delta R.T. -0.00 min

Lab File: VD060355.D

Acq: 13 Nov 2018 12:41

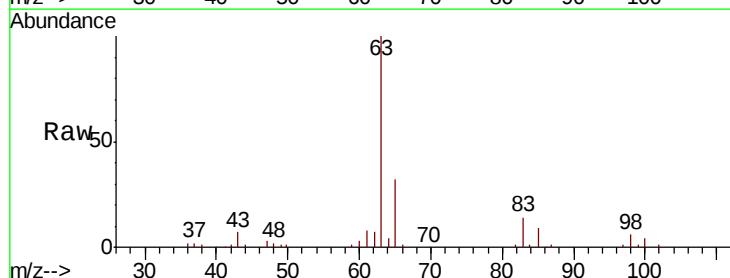
Tgt Ion: 63 Resp: 589080

Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.4

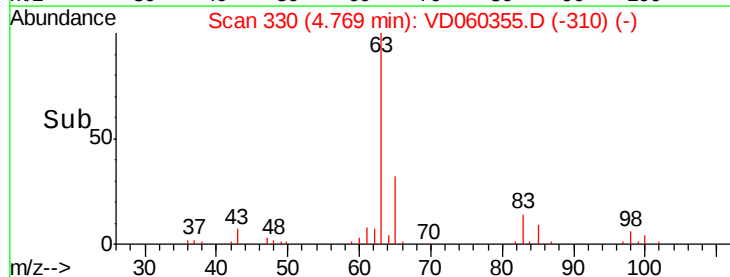
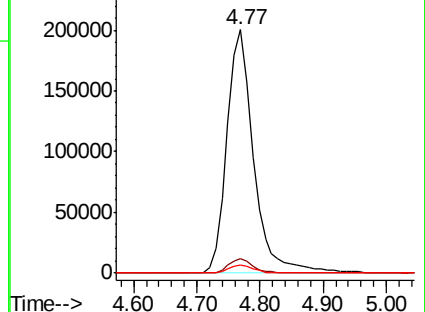
100 3.5 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 100.594 ug/l

RT: 5.64 min Scan# 418

Delta R.T. -0.00 min

Lab File: VD060355.D

Acq: 13 Nov 2018 12:41

Instrument :

MSVOA_D

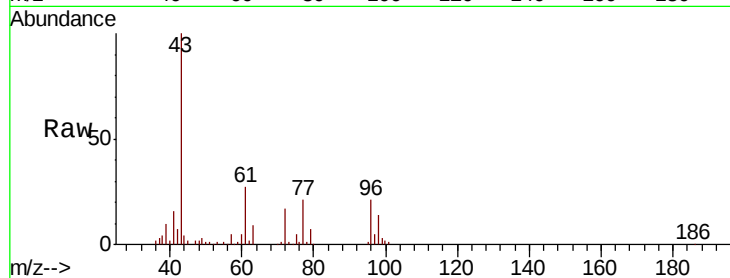
ClientSampleId :

Tot Ion: 43 Resp: 406082

Ion Ratio Lower Upper

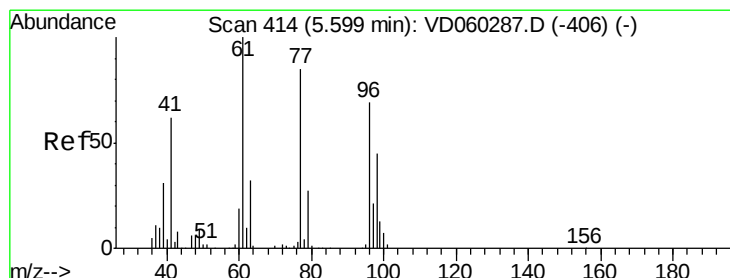
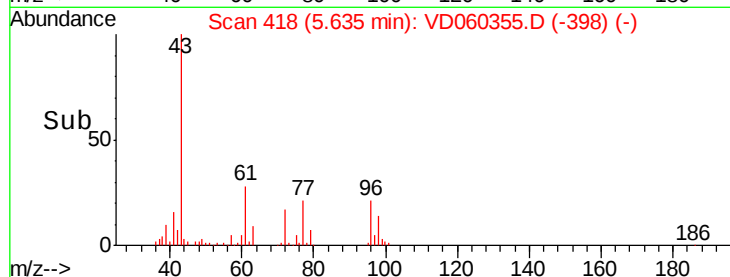
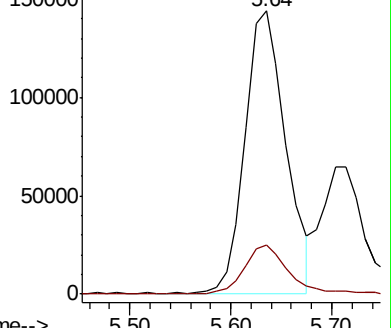
43 100

72 17.3 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.661 ug/l

RT: 5.60 min Scan# 414

Delta R.T. -0.00 min

Lab File: VD060355.D

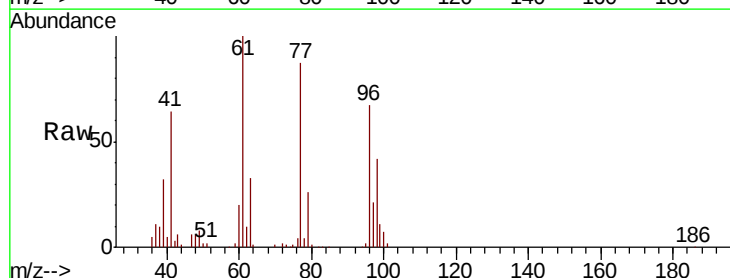
Acq: 13 Nov 2018 12:41

Tgt Ion: 77 Resp: 471010

Ion Ratio Lower Upper

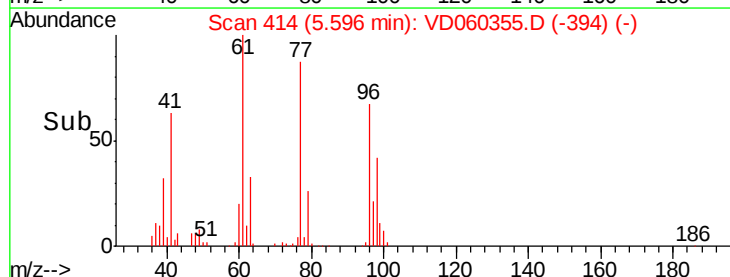
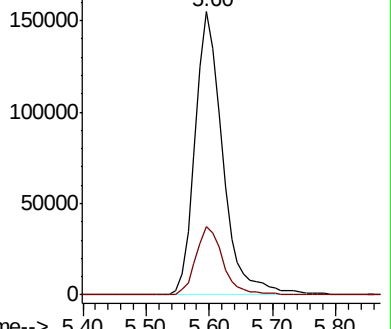
77 100

97 24.2 12.6 37.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



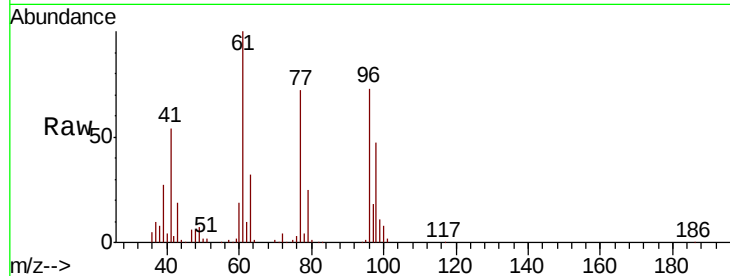


#27

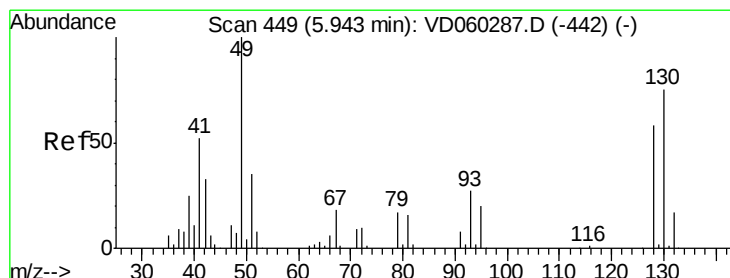
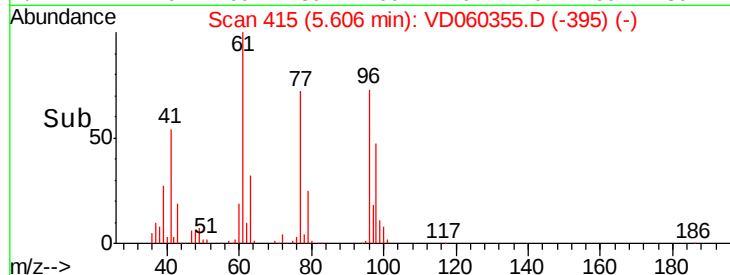
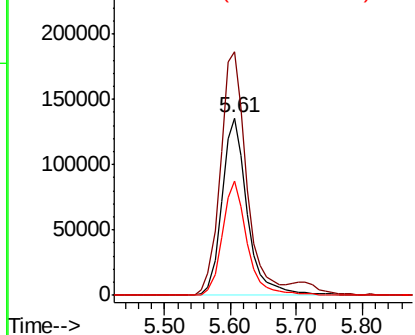
cis-1,2-Dichloroethene
Concen: 20.730 ug/l
RT: 5.61 min Scan# 415
Delta R.T. -0.00 min
Lab File: VD060355.D
Acq: 13 Nov 2018 12:41

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.3	0.0	259.0
98	64.6	0.0	128.8



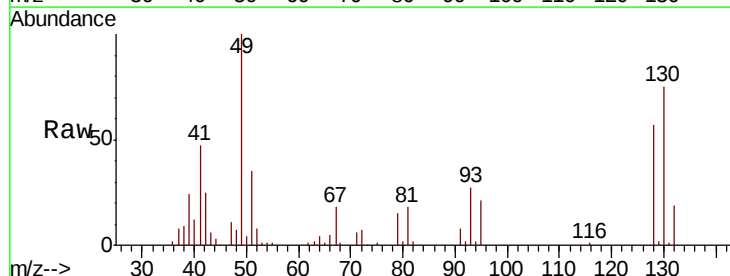
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



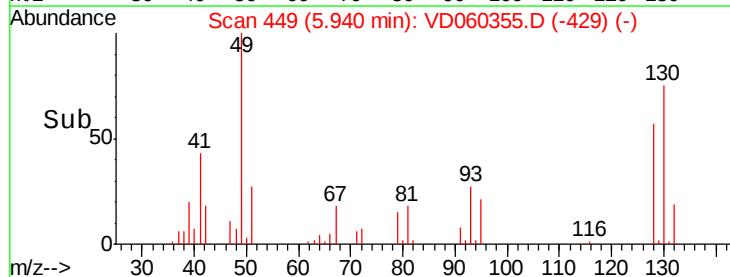
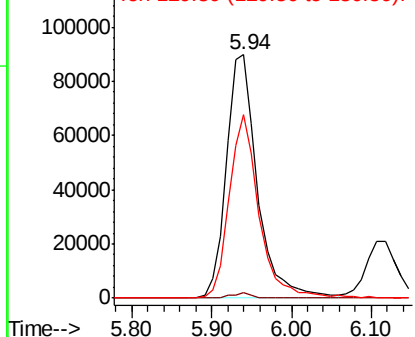
#28

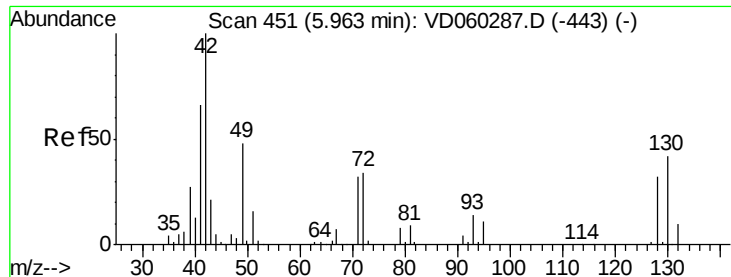
Bromochloromethane
Concen: 19.826 ug/l
RT: 5.94 min Scan# 449
Delta R.T. -0.00 min
Lab File: VD060355.D
Acq: 13 Nov 2018 12:41

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	2.8
130	75.5	53.6	80.4



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

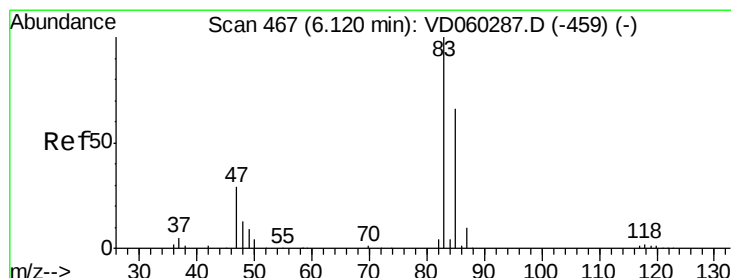
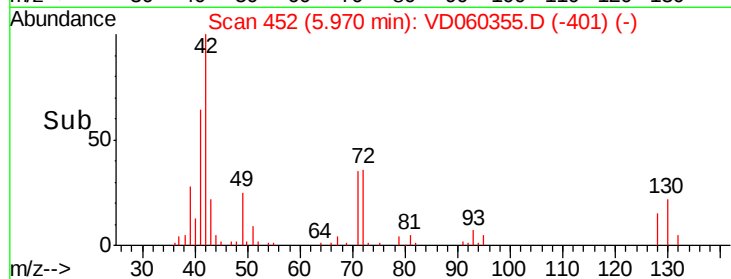
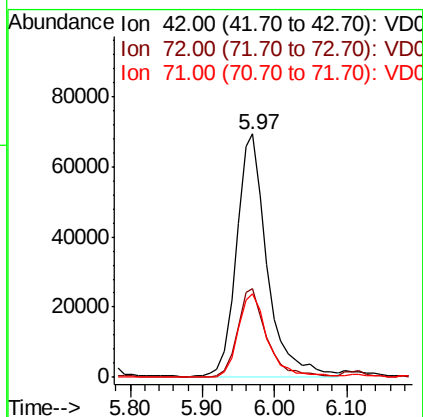
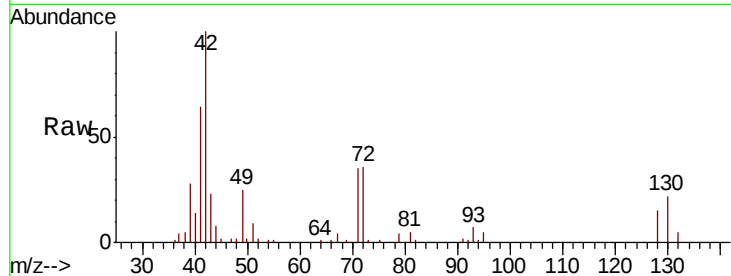




#29
Tetrahydrofuran
Concen: 97.036 ug/l
RT: 5.97 min Scan# 452
Delta R.T. 0.01 min
Lab File: VD060355.D
Acq: 13 Nov 2018 12:41

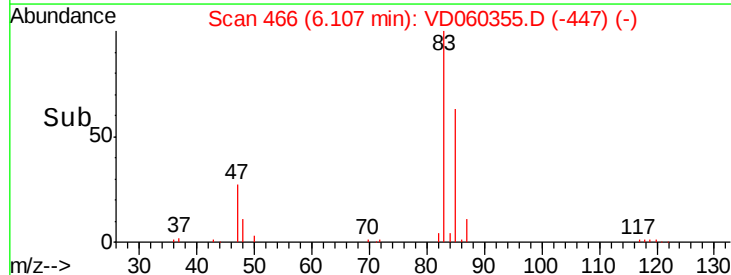
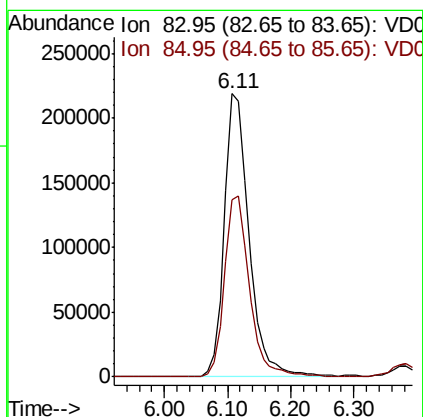
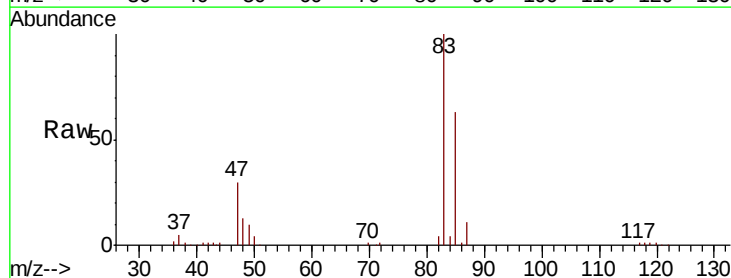
Instrument :
MSVOA_D
ClientSampleId :

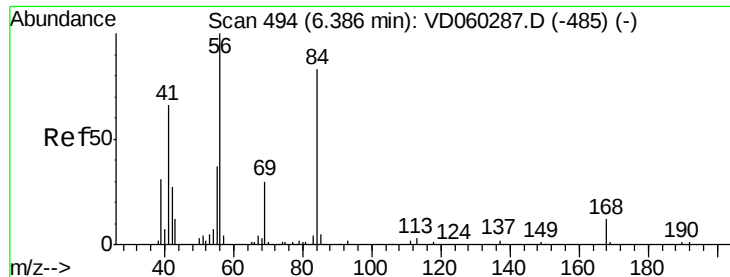
Tot Ion	Ratio	Lower	Upper
42	100		
72	34.4	27.6	41.4
71	33.1	26.5	39.7



#30
Chloroform
Concen: 21.356 ug/l
RT: 6.11 min Scan# 466
Delta R.T. -0.01 min
Lab File: VD060355.D
Acq: 13 Nov 2018 12:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.5	52.5	78.7

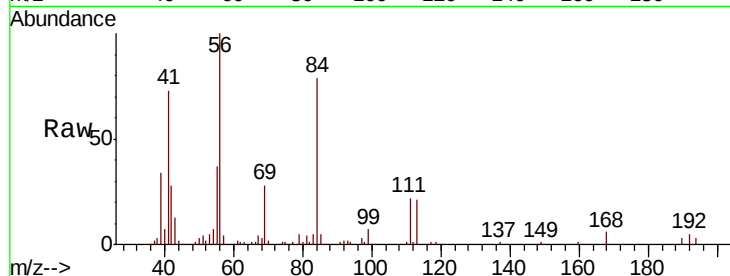




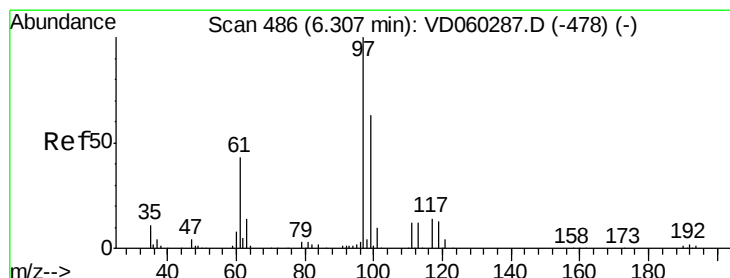
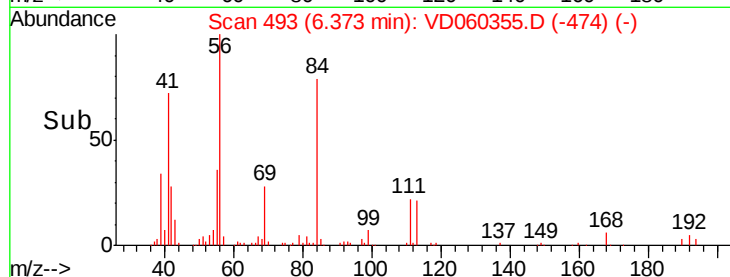
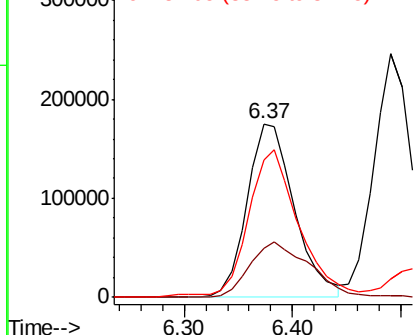
#31
Cyclohexane
Concen: 19.870 ug/l
RT: 6.37 min Scan# 493
Delta R.T. -0.01 min
Lab File: VD060355.D
Acq: 13 Nov 2018 12:41

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 531180
Ion Ratio Lower Upper
56 100
69 28.5 22.2 33.2
84 79.1 63.0 94.4

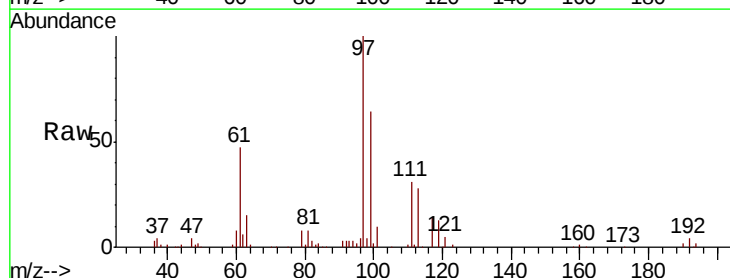


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

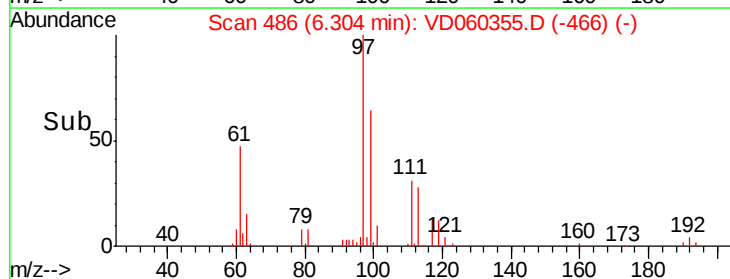
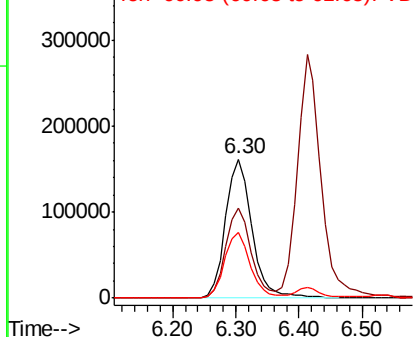


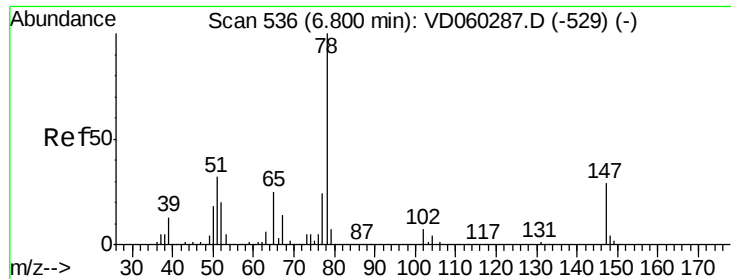
#32
1,1,1-Trichloroethane
Concen: 19.957 ug/l
RT: 6.30 min Scan# 486
Delta R.T. -0.00 min
Lab File: VD060355.D
Acq: 13 Nov 2018 12:41

Tgt Ion: 97 Resp: 470046
Ion Ratio Lower Upper
97 100
99 64.3 51.5 77.3
61 46.8 35.8 53.8



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 19.957 ug/l

RT: 6.80 min Scan# 536

Delta R.T. -0.00 min

Lab File: VD060355.D

Acq: 13 Nov 2018 12:41

Instrument :

MSVOA_D

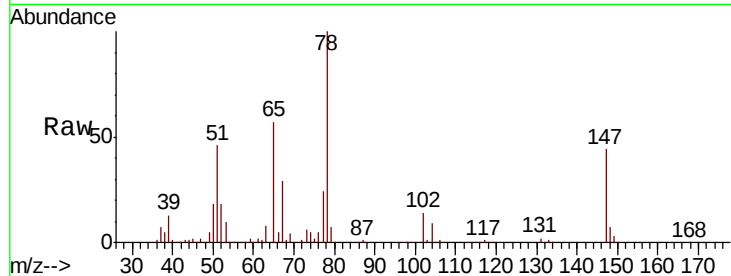
ClientSampleId :

Tot Ion: 65 Resp: 560010

Ion Ratio Lower Upper

65 100

67 51.2 0.0 109.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

250000

200000

150000

100000

50000

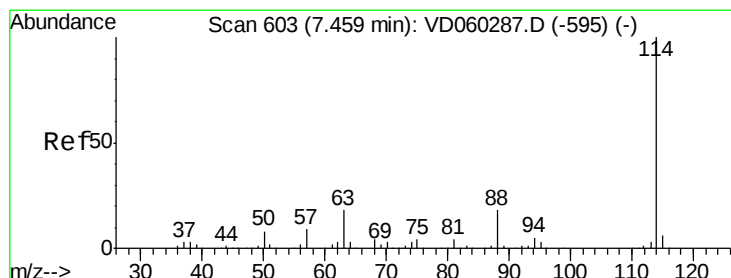
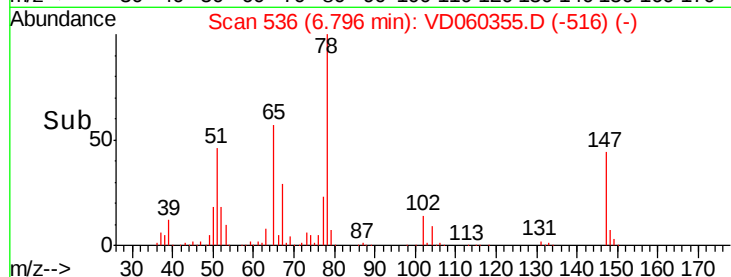
0

6.70

6.80

6.90

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.46 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD060355.D

Acq: 13 Nov 2018 12:41

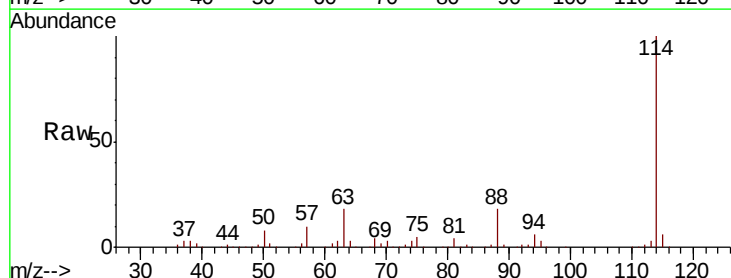
Tgt Ion: 114 Resp: 2153794

Ion Ratio Lower Upper

114 100

63 17.8 0.0 34.0

88 18.3 0.0 35.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

1200000

1000000

800000

600000

400000

200000

0

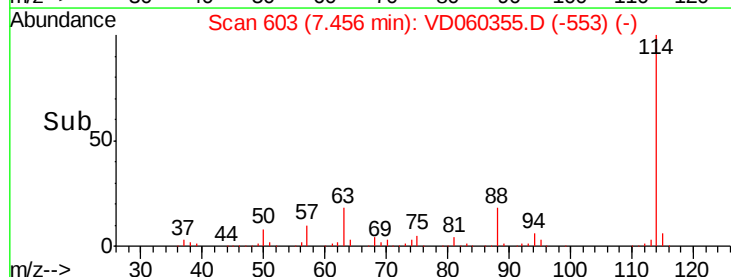
7.40

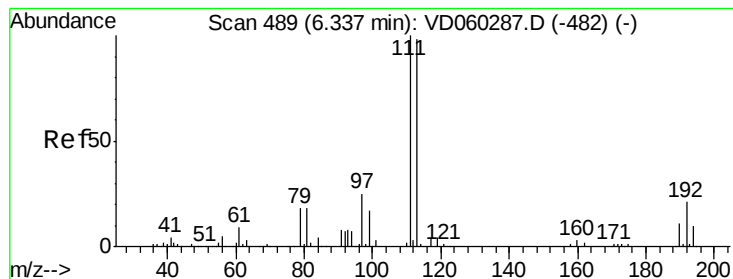
7.46

7.60

7.80

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.33 min Scan# 489

Delta R.T. -0.00 min

Lab File: VD060355.D

Acq: 13 Nov 2018 12:41

Instrument :

MSVOA_D

ClientSampleId :

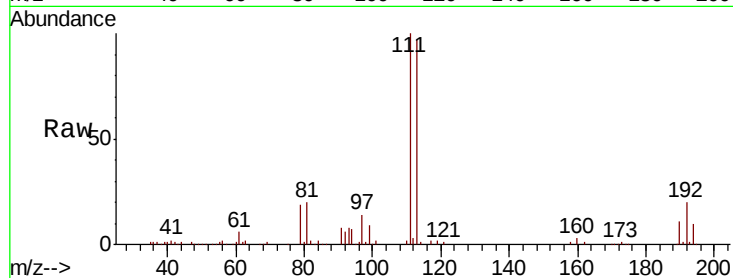
Tot Ion:113 Resp: 798739

Ion Ratio Lower Upper

113 100

111 102.9 81.6 122.4

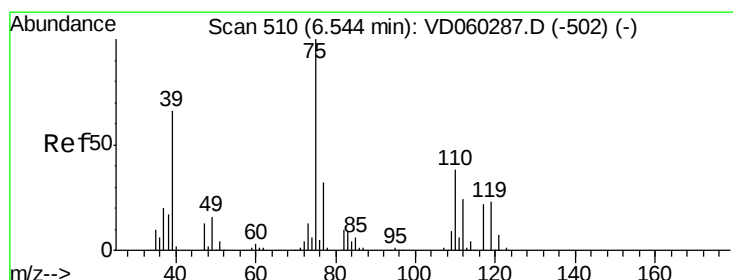
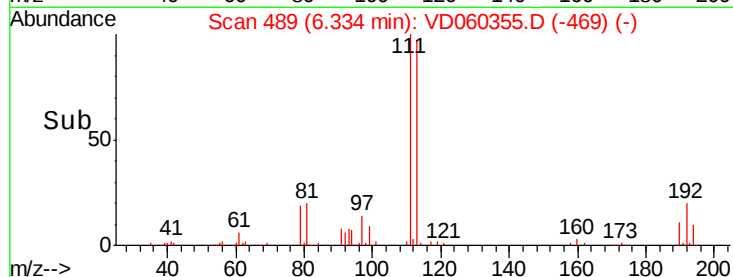
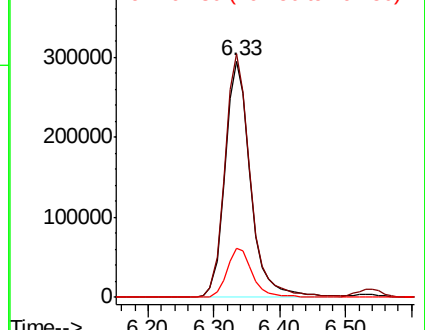
192 20.9 16.5 24.7



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 21.875 ug/l

RT: 6.53 min Scan# 509

Delta R.T. -0.01 min

Lab File: VD060355.D

Acq: 13 Nov 2018 12:41

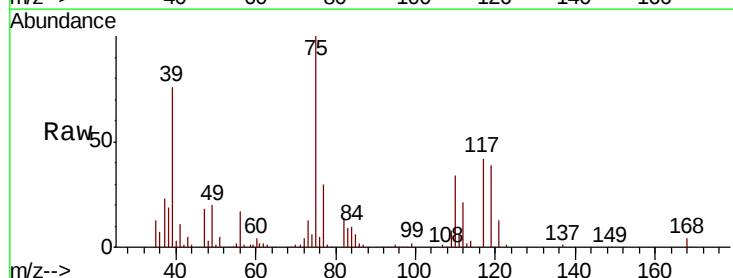
Tgt Ion: 75 Resp: 465462

Ion Ratio Lower Upper

75 100

110 33.8 18.0 54.0

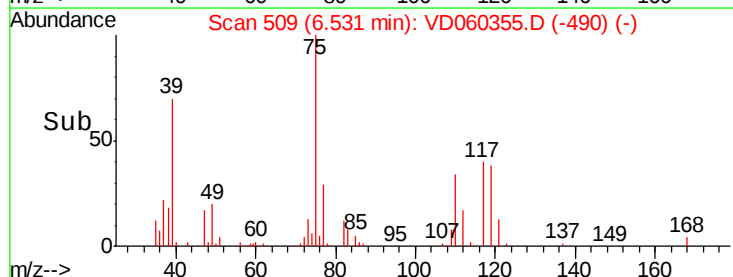
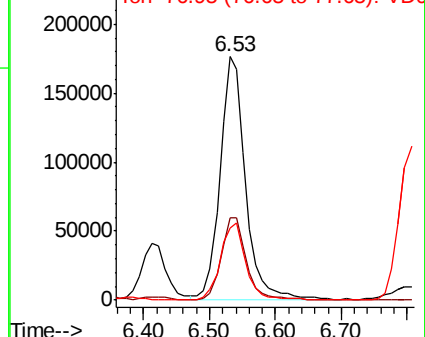
77 29.8 25.6 38.4

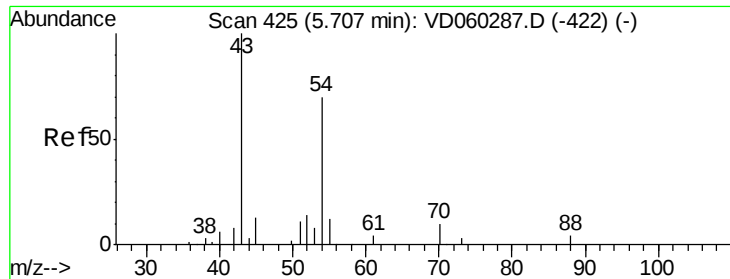


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

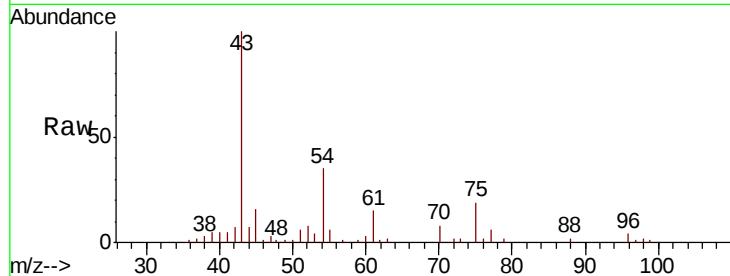




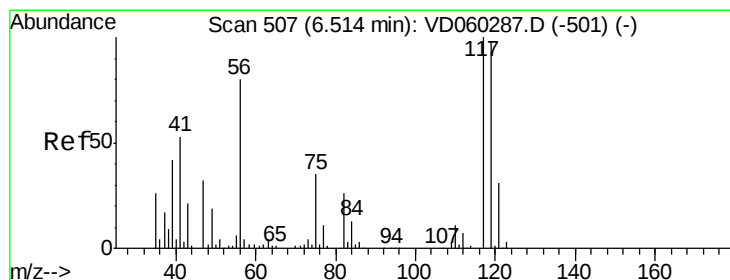
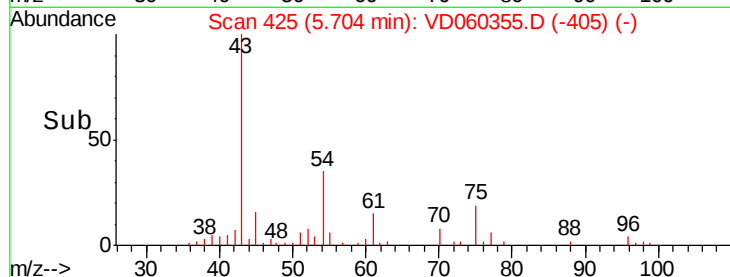
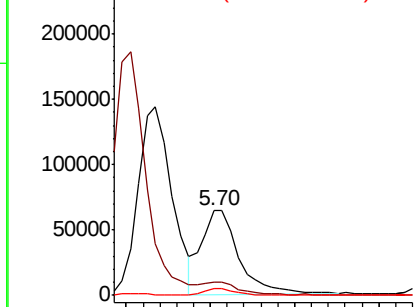
#37
Ethyl Acetate
Concen: 19.918 ug/l
RT: 5.70 min Scan# 425
Delta R.T. -0.00 min
Lab File: VD060355.D
Acq: 13 Nov 2018 12:41

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 195023
Ion Ratio Lower Upper
43 100
61 15.1 11.8 17.6
70 7.7 6.2 9.4

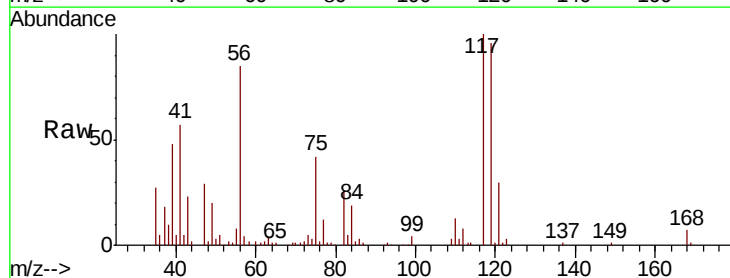


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

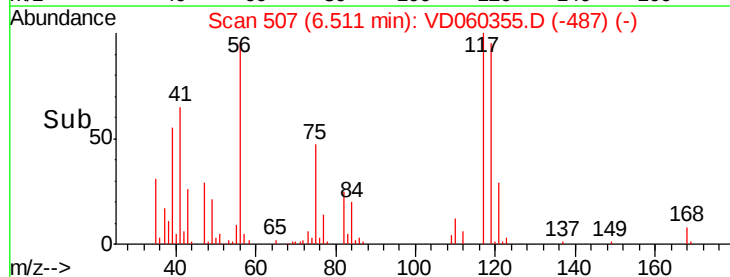
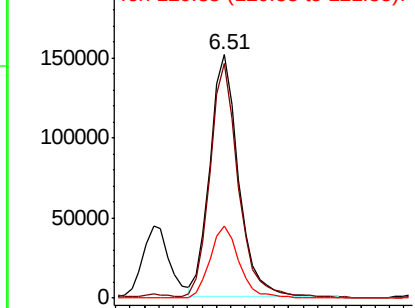


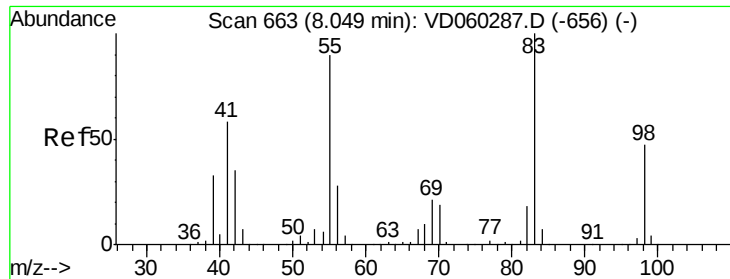
#38
Carbon Tetrachloride
Concen: 21.019 ug/l
RT: 6.51 min Scan# 507
Delta R.T. -0.00 min
Lab File: VD060355.D
Acq: 13 Nov 2018 12:41

Tgt Ion: 117 Resp: 414886
Ion Ratio Lower Upper
117 100
119 96.2 76.6 115.0
121 29.6 24.3 36.5



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

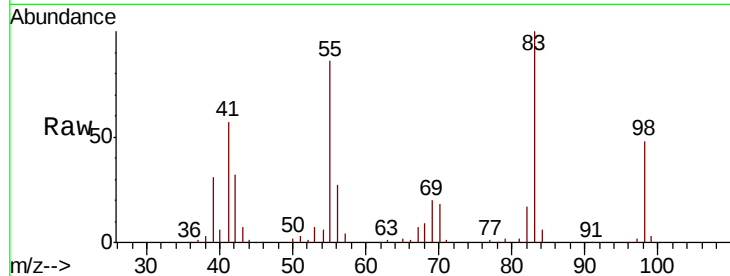




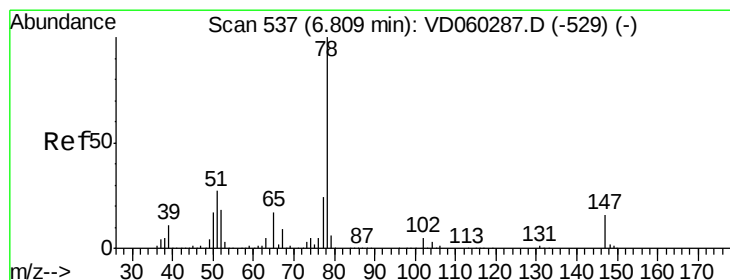
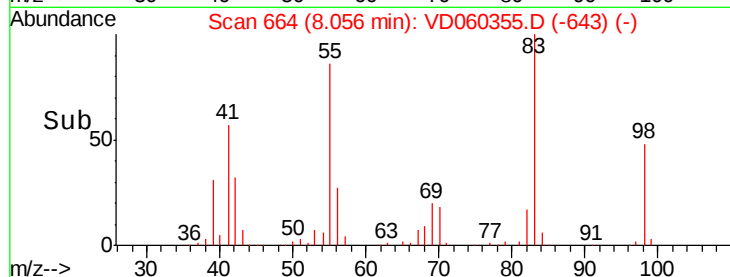
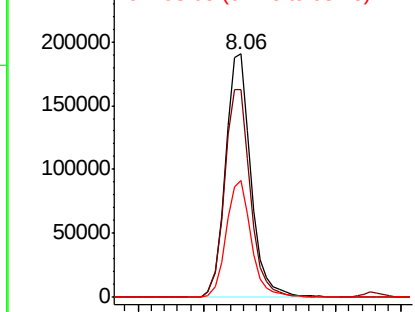
#39
Methvlcvclohexane
Concen: 20.989 ug/l
RT: 8.06 min Scan# 664
Delta R.T. 0.01 min
Lab File: VD060355.D
Acq: 13 Nov 2018 12:41

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 83 Resp: 513674
Ion Ratio Lower Upper
83 100
55 85.6 71.2 106.8
98 48.2 38.4 57.6

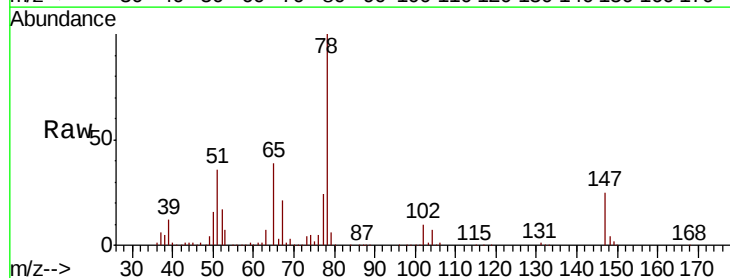


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

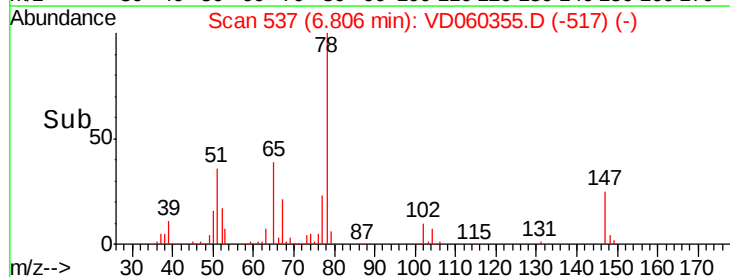
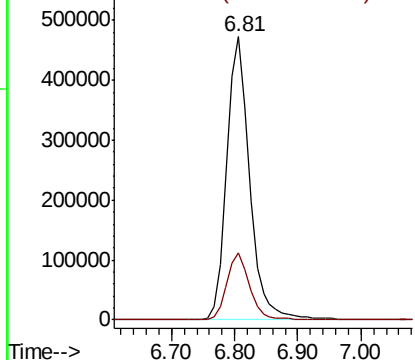


#40
Benzene
Concen: 21.833 ug/l
RT: 6.81 min Scan# 537
Delta R.T. -0.00 min
Lab File: VD060355.D
Acq: 13 Nov 2018 12:41

Tgt Ion: 78 Resp: 1185898
Ion Ratio Lower Upper
78 100
77 23.5 18.8 28.2



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

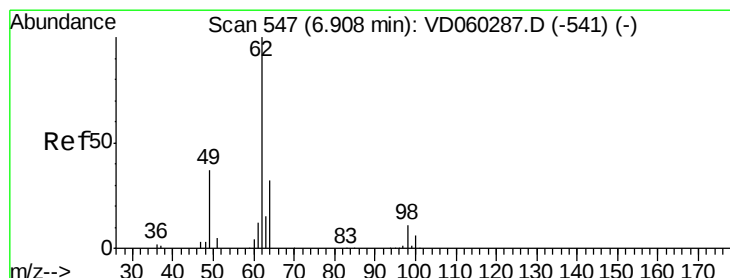
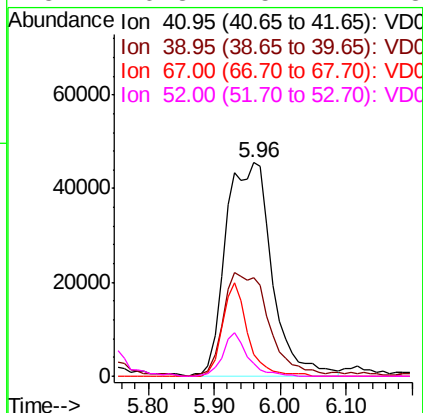
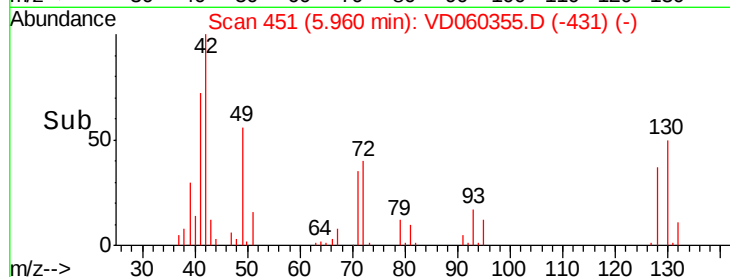
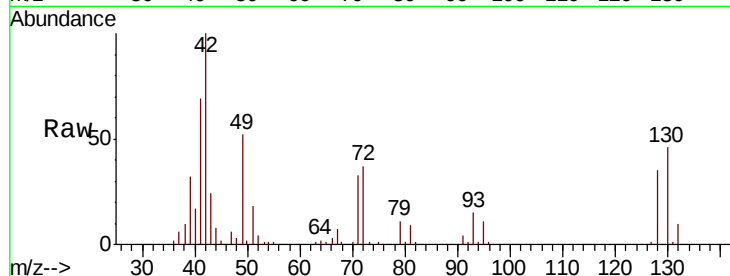




#41
Methacrylonitrile
Concen: 19.927 ug/l
RT: 5.96 min Scan# 451
Delta R.T. -0.00 min
Lab File: VD060355.D
Acq: 13 Nov 2018 12:41

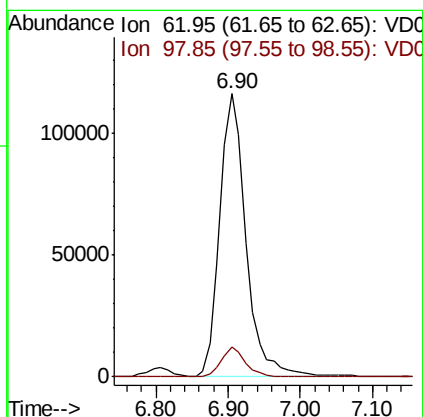
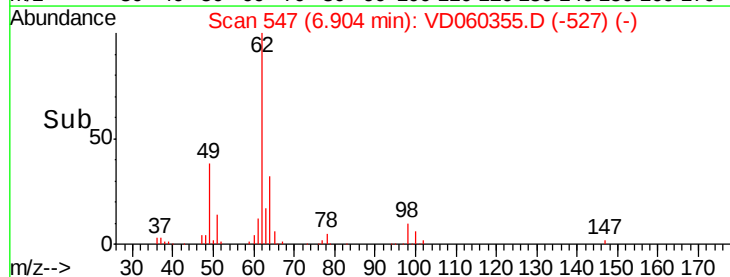
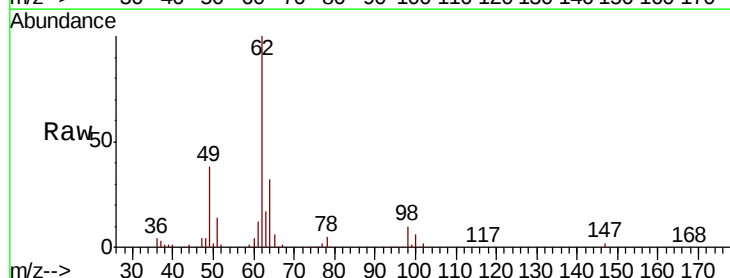
Instrument :
MSVOA_D
ClientSampled :

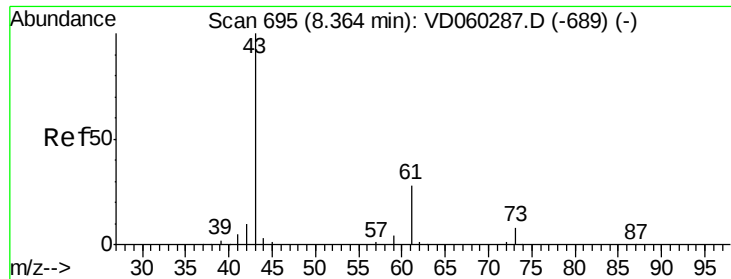
Tot Ion: 41 Resp: 223315
Ion Ratio Lower Upper
41 100
39 46.2 36.2 54.2
67 10.4 11.9 17.9#
52 6.3 5.2 7.8



#42
1,2-Dichloroethane
Concen: 20.597 ug/l
RT: 6.90 min Scan# 547
Delta R.T. -0.00 min
Lab File: VD060355.D
Acq: 13 Nov 2018 12:41

Tgt Ion: 62 Resp: 292822
Ion Ratio Lower Upper
62 100
98 10.4 0.0 22.0





#43

Isopropyl Acetate

Concen: 19.180 ug/l

RT: 8.36 min Scan# 695

Delta R.T. -0.00 min

Lab File: VD060355.D

Acq: 13 Nov 2018 12:41

Instrument :

MSVOA_D

ClientSampleId :

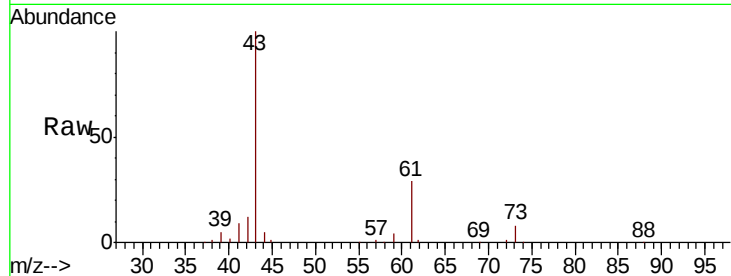
Tot Ion: 43 Resp: 235904

Ion Ratio Lower Upper

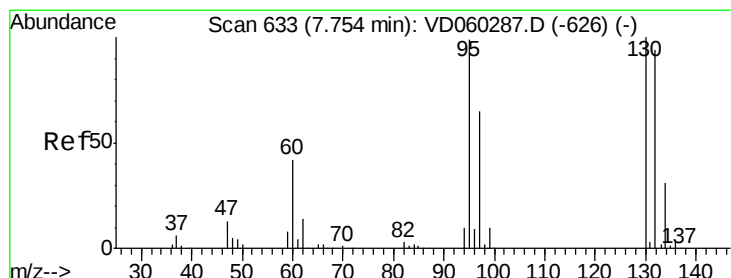
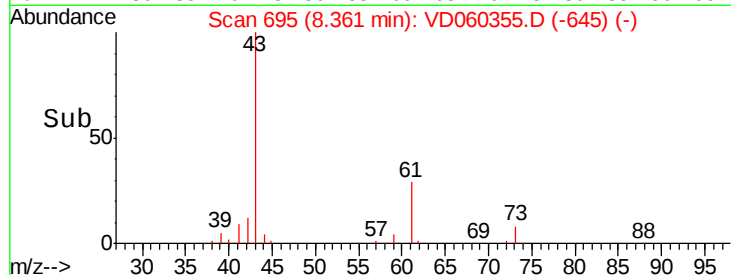
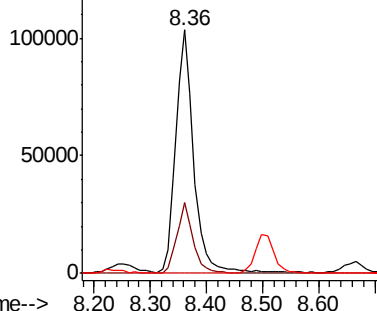
43 100

61 29.3 22.3 33.5

87 0.0 0.2 0.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 21.352 ug/l

RT: 7.75 min Scan# 633

Delta R.T. -0.00 min

Lab File: VD060355.D

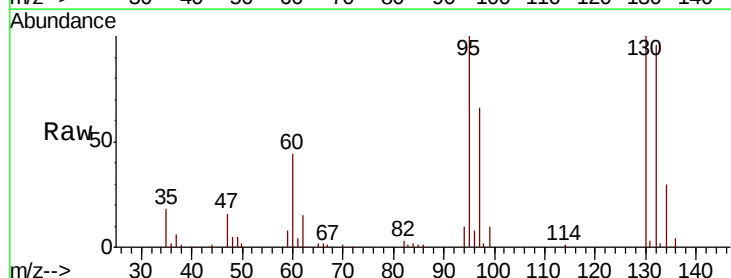
Acq: 13 Nov 2018 12:41

Tgt Ion:130 Resp: 351567

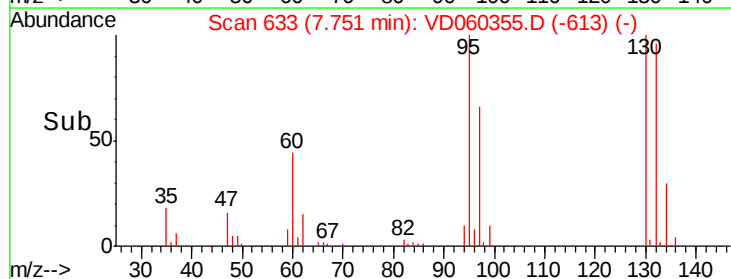
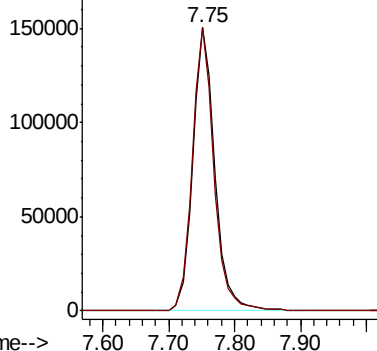
Ion Ratio Lower Upper

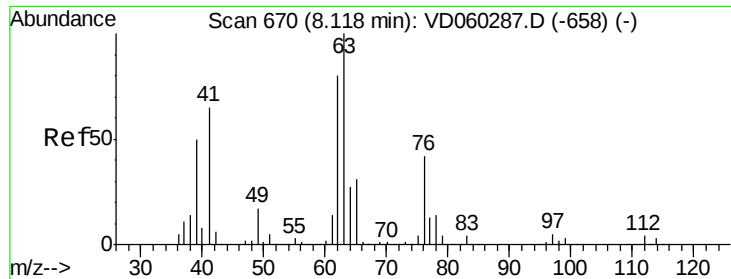
130 100

95 100.0 0.0 200.0



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





#45

1,2-Dichloropropane

Concen: 21.017 ug/l

RT: 8.11 min Scan# 670

Delta R.T. -0.00 min

Lab File: VD060355.D

Acq: 13 Nov 2018 12:41

Instrument :

MSVOA_D

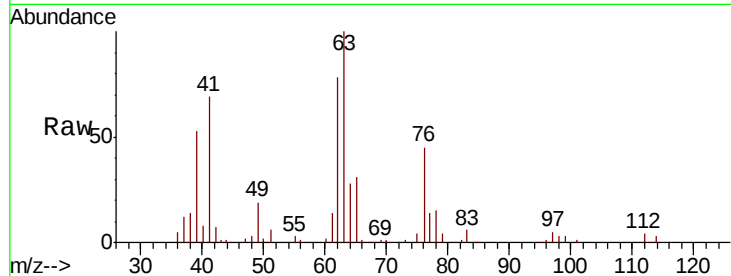
ClientSampled :

Tot Ion: 63 Resp: 287906

Ion Ratio Lower Upper

63 100

65 30.7 23.4 35.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.11

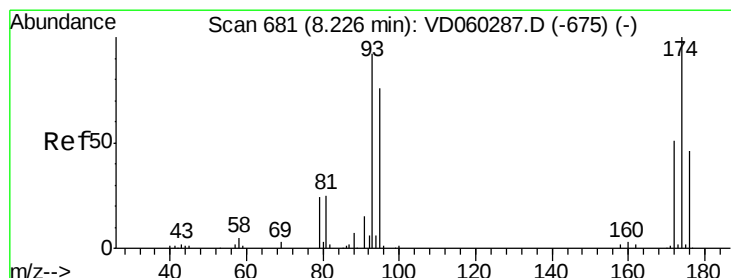
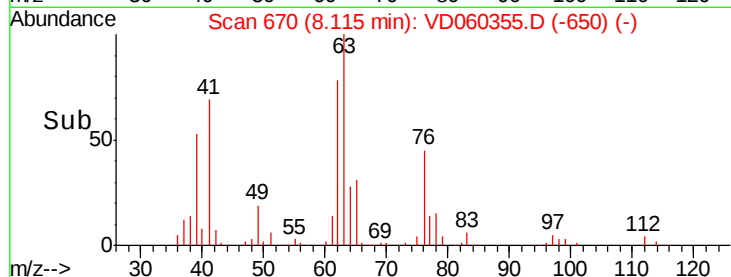
100000

50000

0

Time-->

7.90 8.00 8.10 8.20 8.30



#46

Dibromomethane

Concen: 20.278 ug/l

RT: 8.22 min Scan# 681

Delta R.T. -0.00 min

Lab File: VD060355.D

Acq: 13 Nov 2018 12:41

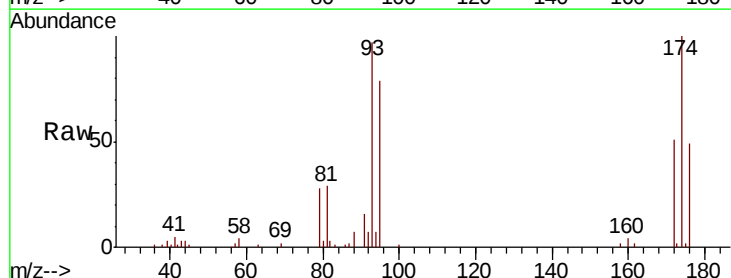
Tgt Ion: 93 Resp: 162694

Ion Ratio Lower Upper

93 100

95 81.3 66.4 99.6

174 102.6 87.8 131.8



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

8.22

100000

80000

60000

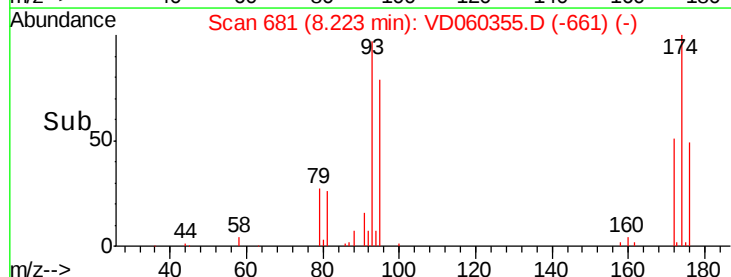
40000

20000

0

Time-->

8.10 8.20 8.30 8.40





#47

Bromodichloromethane

Concen: 20.878 ug/l

RT: 8.50 min Scan# 709

Delta R.T. -0.00 min

Lab File: VD060355.D

Acq: 13 Nov 2018 12:41

Instrument :

MSVOA_D

ClientSampled :

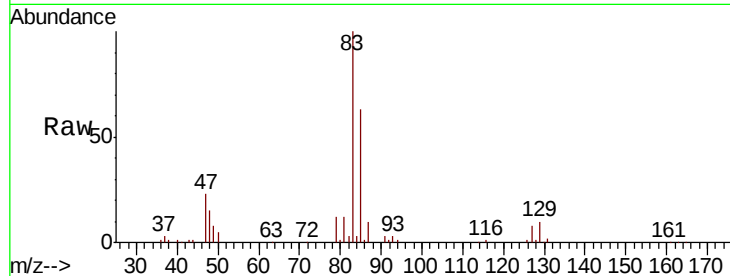
Tot Ion: 83 Resp: 394714

Ion Ratio Lower Upper

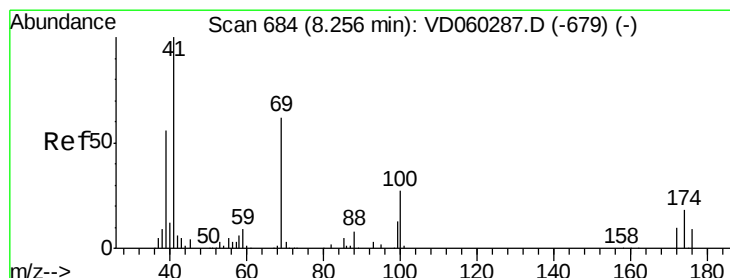
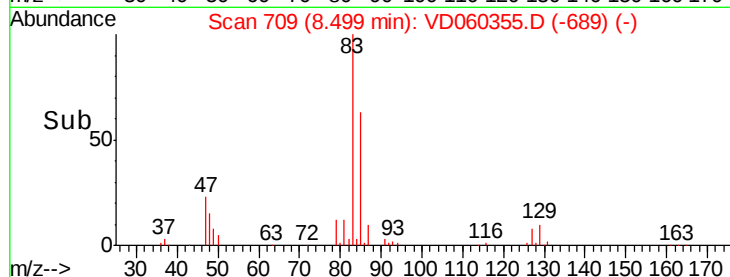
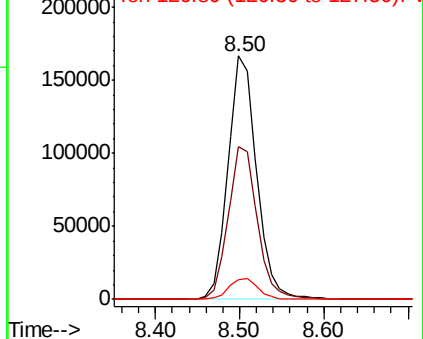
83 100

85 62.7 51.0 76.6

127 8.0 6.2 9.4



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



#48

Methyl methacrylate

Concen: 19.357 ug/l

RT: 8.25 min Scan# 684

Delta R.T. -0.00 min

Lab File: VD060355.D

Acq: 13 Nov 2018 12:41

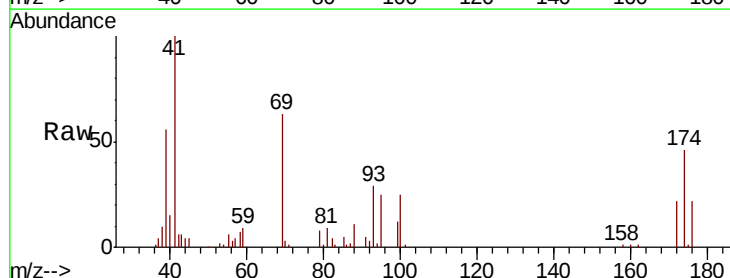
Tgt Ion: 41 Resp: 144611

Ion Ratio Lower Upper

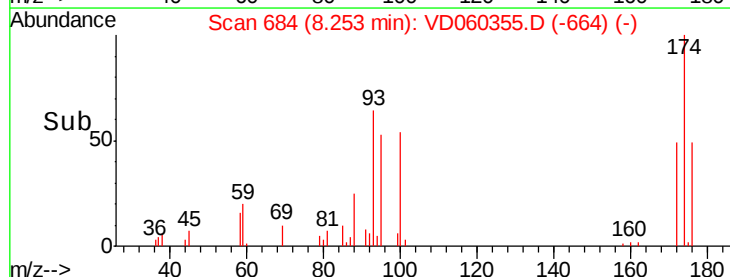
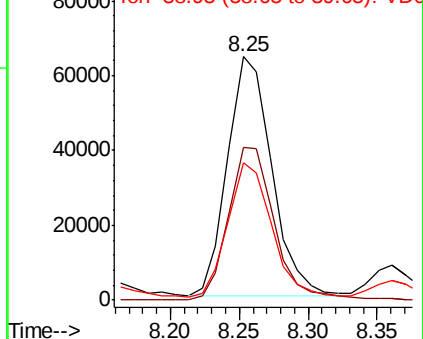
41 100

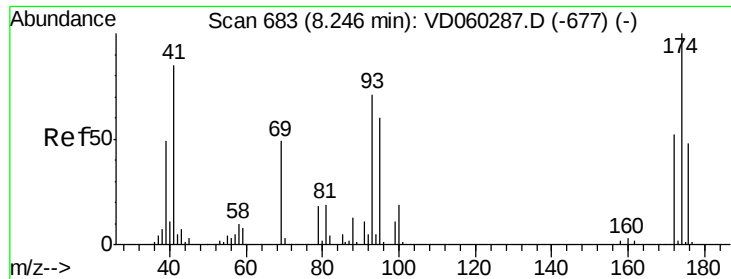
69 63.0 47.0 70.4

39 56.2 46.2 69.4



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

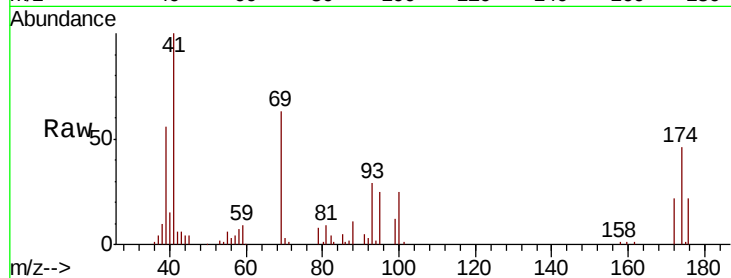




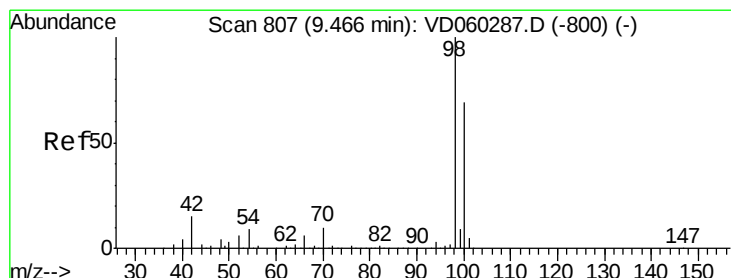
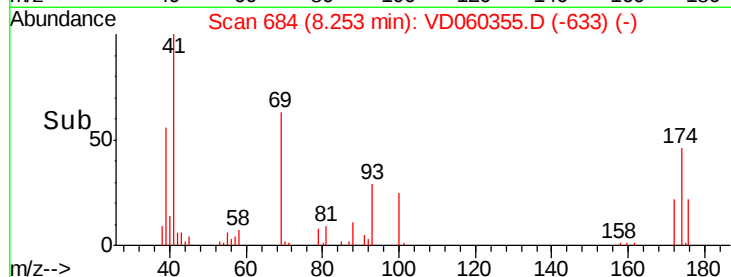
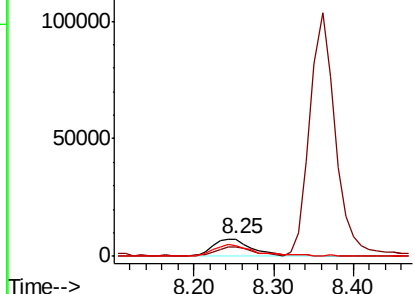
#49
1,4-Dioxane
Concen: 409.974 ug/l
RT: 8.25 min Scan# 684
Delta R.T. 0.01 min
Lab File: VD060355.D
Acq: 13 Nov 2018 12:41

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 26501
Ion Ratio Lower Upper
88 100
43 55.8 39.7 59.5
58 64.9 60.2 90.2

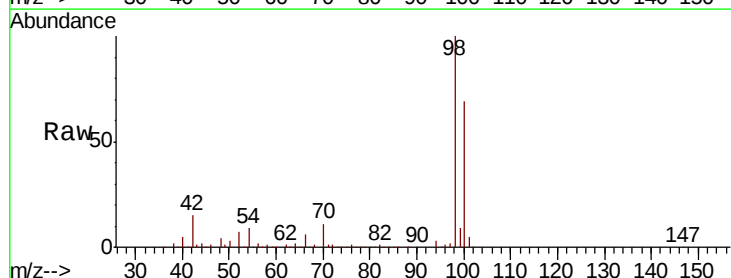


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

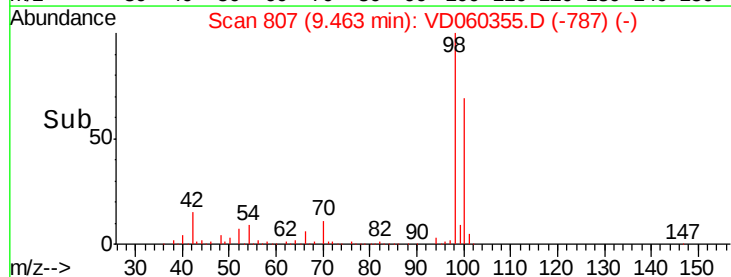
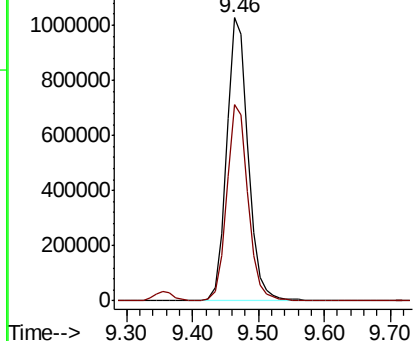


#50
Toluene-d8
Concen: 409.974 ug/l
RT: 9.46 min Scan# 807
Delta R.T. -0.00 min
Lab File: VD060355.D
Acq: 13 Nov 2018 12:41

Tgt Ion: 98 Resp: 2338370
Ion Ratio Lower Upper
98 100
100 69.3 55.2 82.8



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





#51

4-Methyl-2-Pentanone

Concen: 97.083 ug/l

RT: 9.35 min Scan# 796

Delta R.T. -0.00 min

Lab File: VD060355.D

Acq: 13 Nov 2018 12:41

Instrument :

MSVOA_D

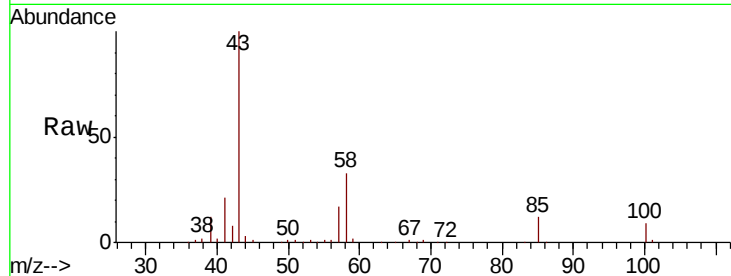
ClientSampleId :

Tot Ion: 43 Resp: 777166

Ion Ratio Lower Upper

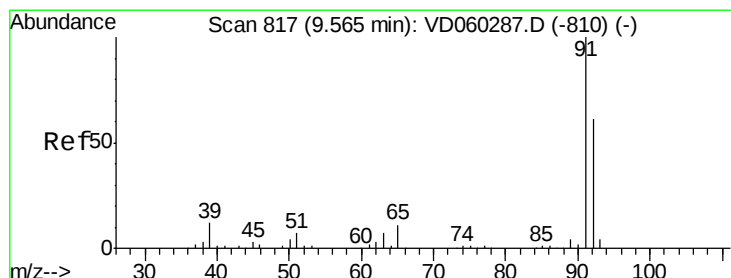
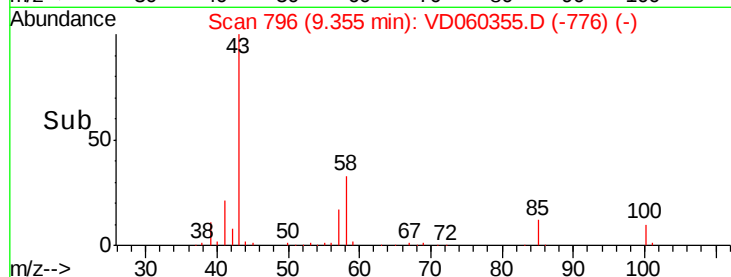
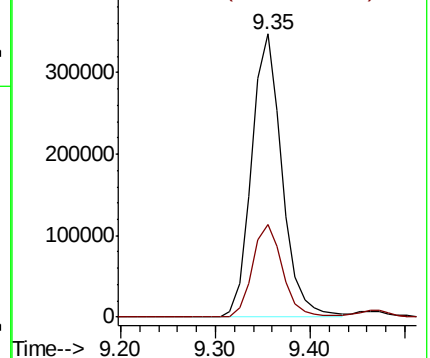
43 100

58 32.7 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 21.267 ug/l

RT: 9.56 min Scan# 817

Delta R.T. -0.00 min

Lab File: VD060355.D

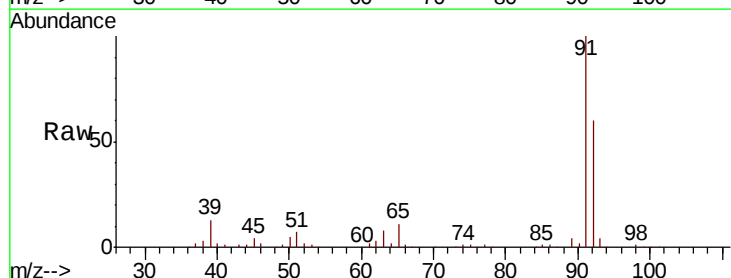
Acq: 13 Nov 2018 12:41

Tgt Ion: 92 Resp: 737866

Ion Ratio Lower Upper

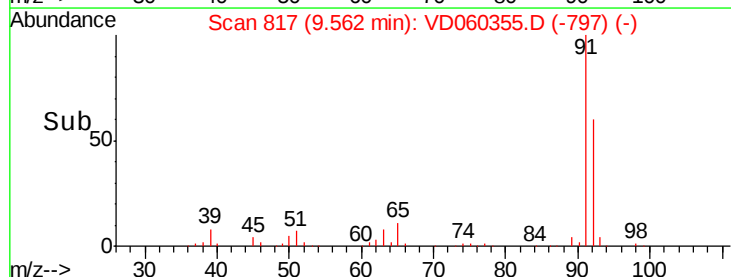
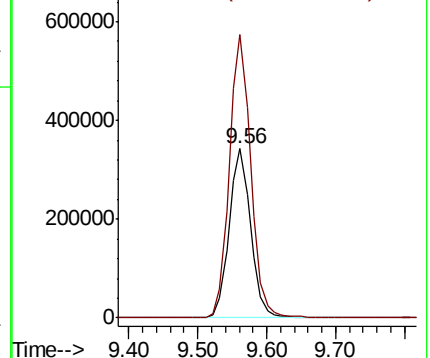
92 100

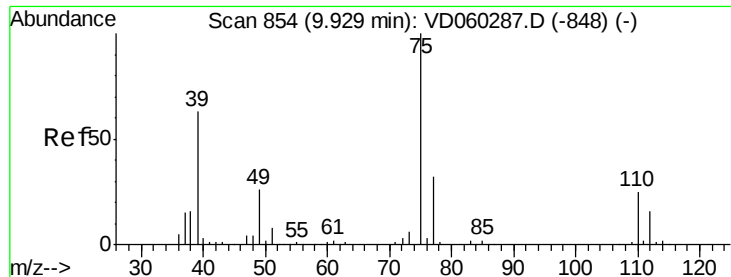
91 167.1 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

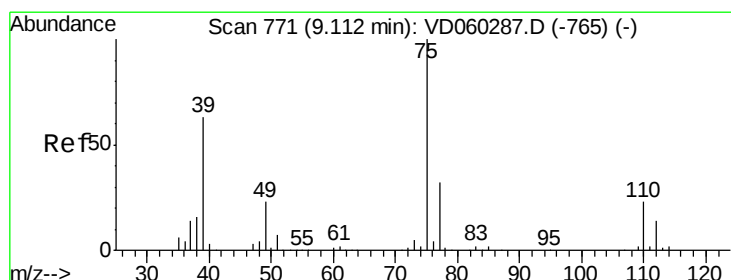
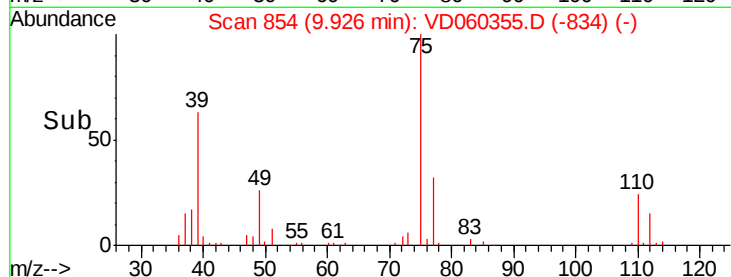
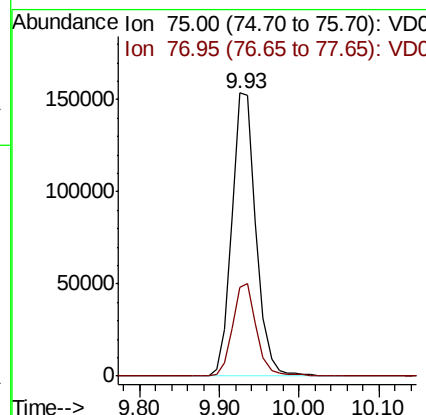
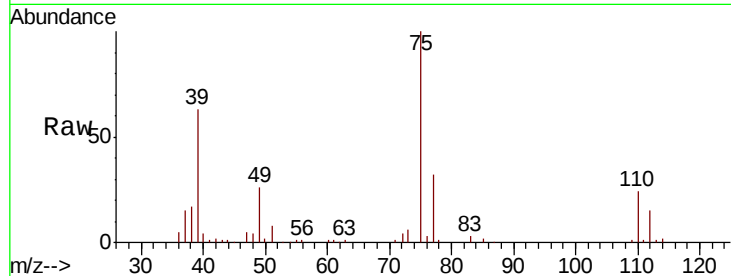




#53
 t-1,3-Dichloropropene
 Concen: 20.537 ug/l
 RT: 9.93 min Scan# 854
 Delta R.T. -0.00 min
 Lab File: VD060355.D
 Acq: 13 Nov 2018 12:41

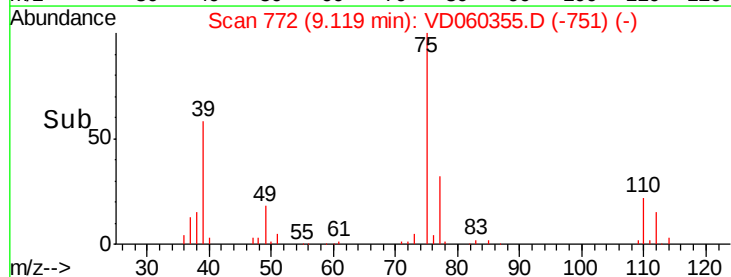
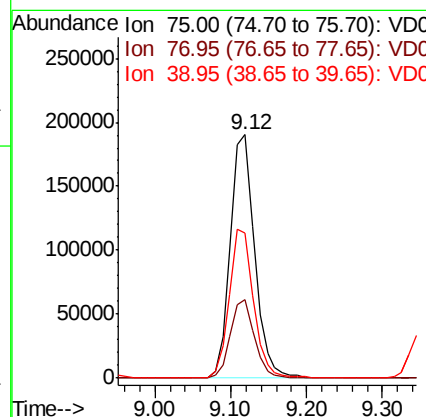
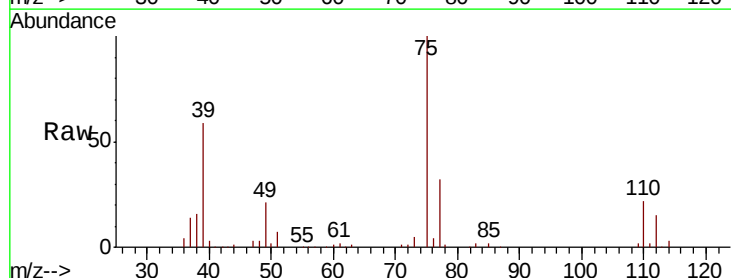
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 75 Resp: 328054
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.2 37.8



#54
 cis-1,3-Dichloropropene
 Concen: 20.633 ug/l
 RT: 9.12 min Scan# 772
 Delta R.T. 0.01 min
 Lab File: VD060355.D
 Acq: 13 Nov 2018 12:41

Tgt Ion: 75 Resp: 422731
 Ion Ratio Lower Upper
 75 100
 77 32.0 26.3 39.5
 39 59.4 50.8 76.2

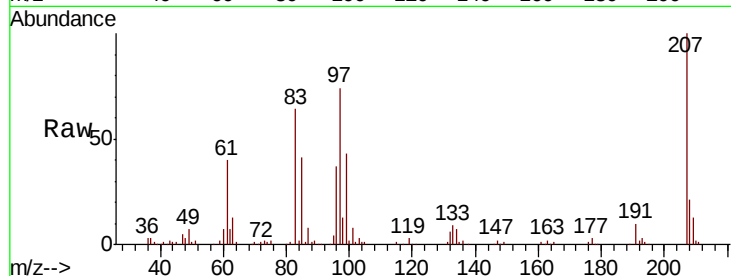




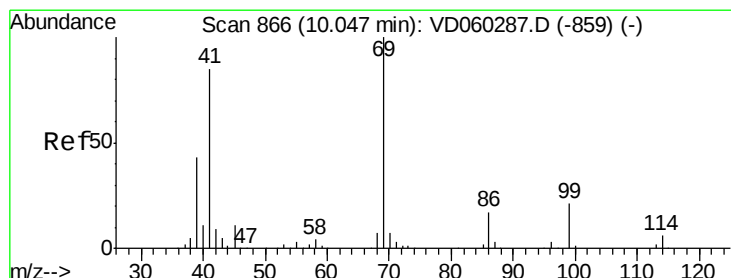
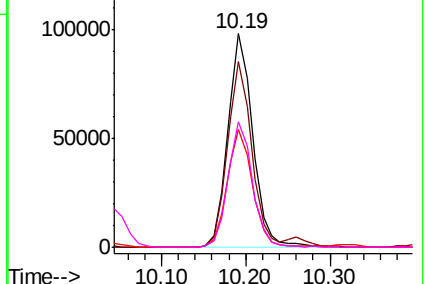
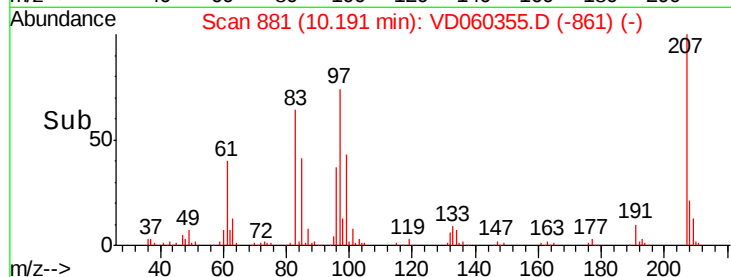
#55
1,1,2-Trichloroethane
Concen: 20.010 ug/l
RT: 10.19 min Scan# 881
Delta R.T. -0.00 min
Lab File: VD060355.D
Acq: 13 Nov 2018 12:41

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.0	68.4	102.6
85	55.0	46.8	70.2
99	58.7	49.5	74.3

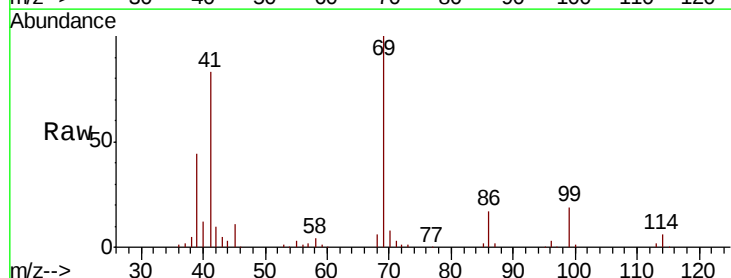


Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 98.85 (98.55 to 99.55): VDC

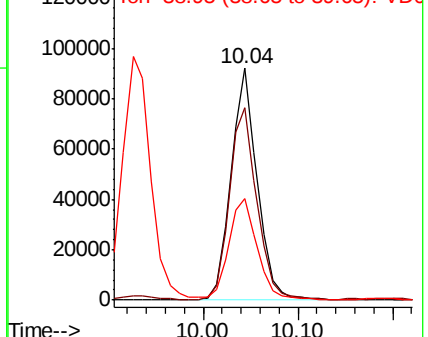
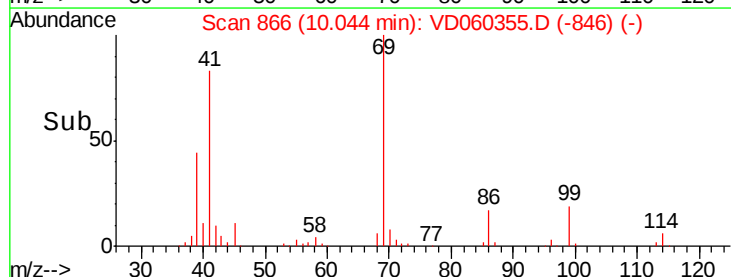


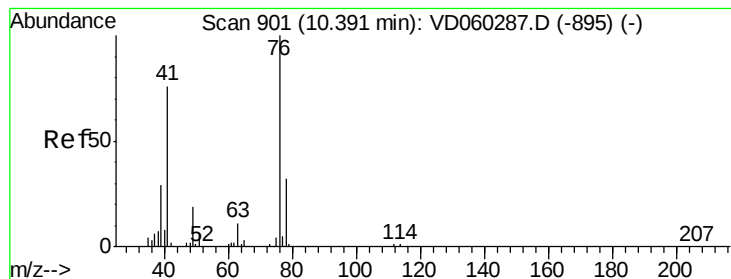
#56
Ethyl methacrylate
Concen: 18.923 ug/l
RT: 10.04 min Scan# 866
Delta R.T. -0.00 min
Lab File: VD060355.D
Acq: 13 Nov 2018 12:41

Tgt Ion	Ratio	Lower	Upper
69	100		
41	83.1	69.0	103.4
39	43.9	36.6	54.8



Abundance Ion 69.00 (68.70 to 69.70): VDC
Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 20.428 ug/l

RT: 10.40 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD060355.D

Acq: 13 Nov 2018 12:41

Instrument :

MSVOA_D

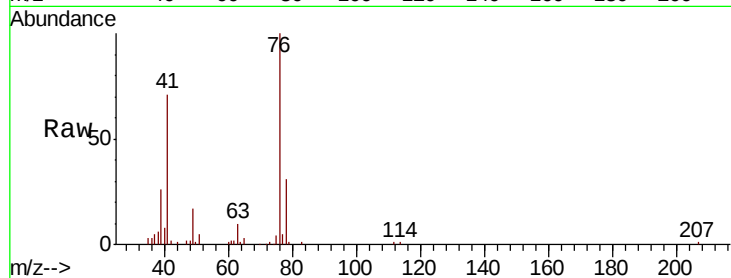
ClientSampled :

Tot Ion: 76 Resp: 313020

Ion Ratio Lower Upper

76 100

78 31.1 25.9 38.9



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

10.40

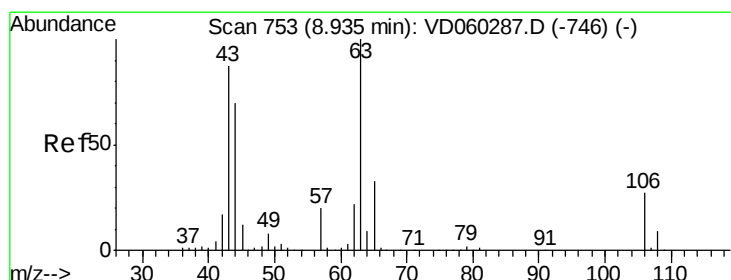
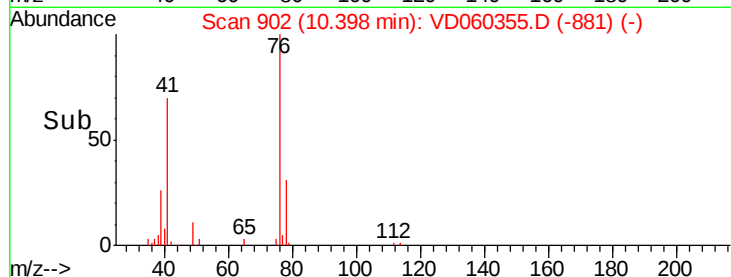
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 102.240 ug/l

RT: 8.93 min Scan# 753

Delta R.T. -0.00 min

Lab File: VD060355.D

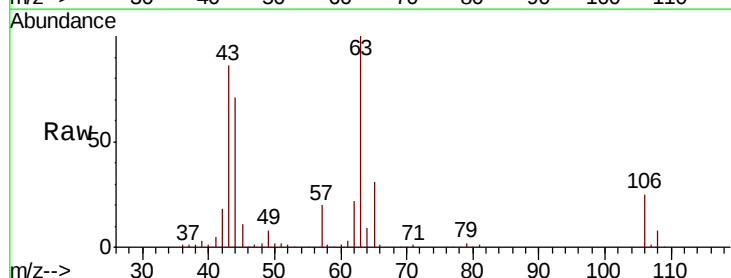
Acq: 13 Nov 2018 12:41

Tgt Ion: 63 Resp: 571594

Ion Ratio Lower Upper

63 100

106 24.9 21.5 32.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

8.93

300000

250000

200000

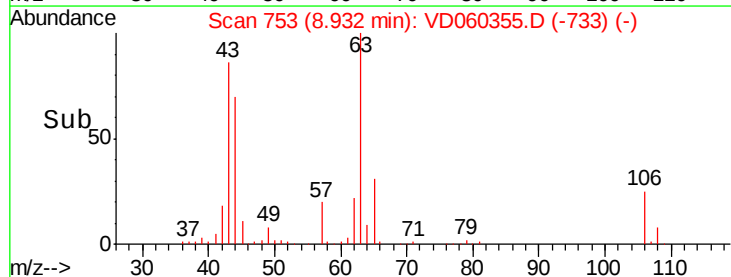
150000

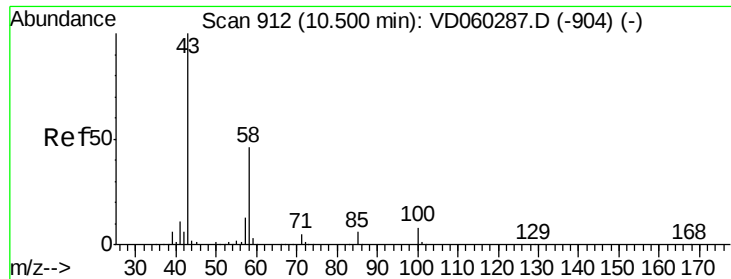
100000

50000

0

Time-->

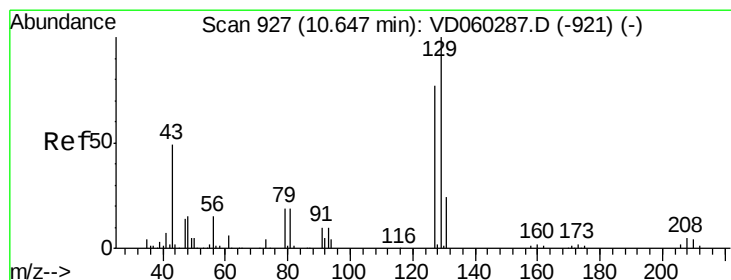
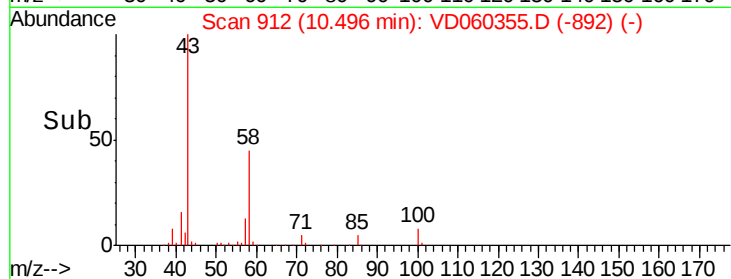
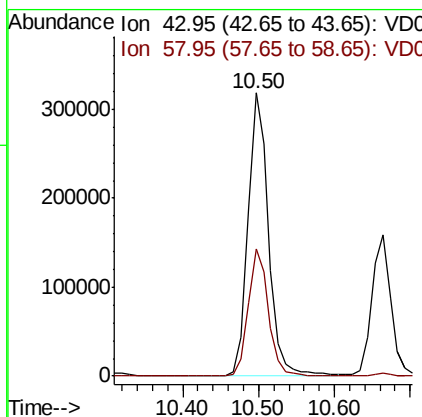
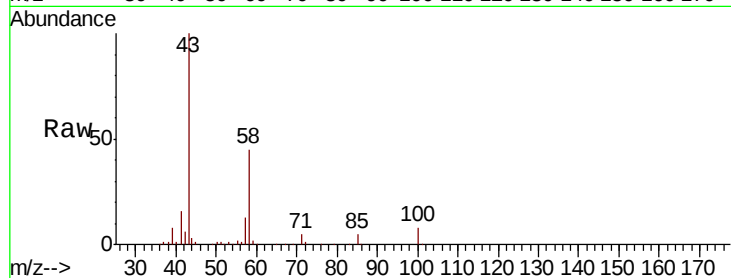




#59
2-Hexanone
Concen: 104.840 ug/l
RT: 10.50 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD060355.D
Acq: 13 Nov 2018 12:41

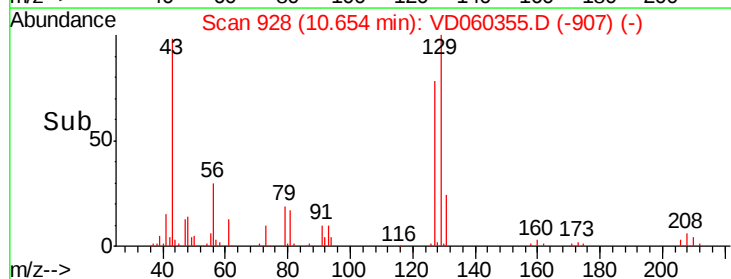
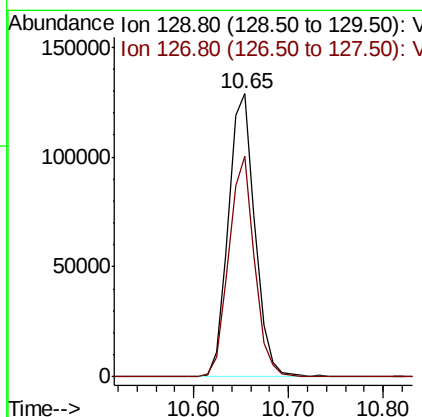
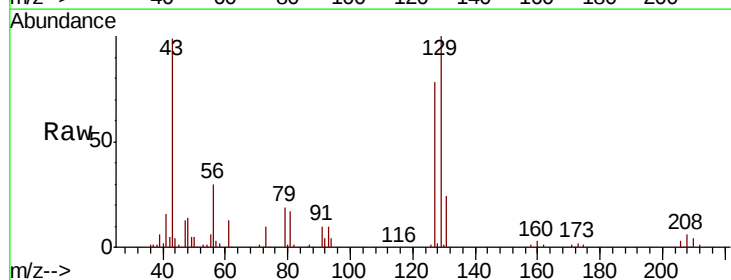
Instrument :
MSVOA_D
ClientSampleId :

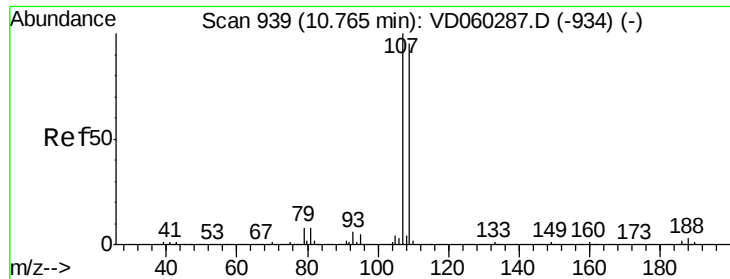
Tot Ion: 43 Resp: 598174
Ion Ratio Lower Upper
43 100
58 44.8 22.9 68.5



#60
Dibromochloromethane
Concen: 20.428 ug/l
RT: 10.65 min Scan# 928
Delta R.T. 0.01 min
Lab File: VD060355.D
Acq: 13 Nov 2018 12:41

Tgt Ion: 129 Resp: 249717
Ion Ratio Lower Upper
129 100
127 77.8 38.9 116.6

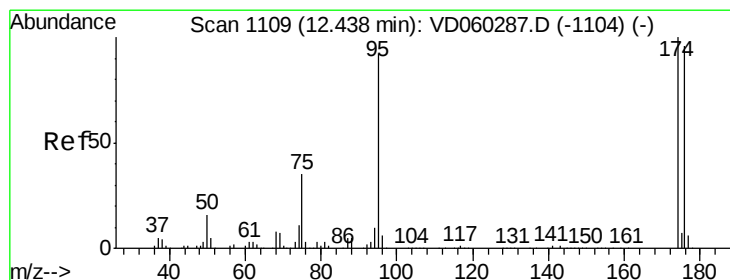
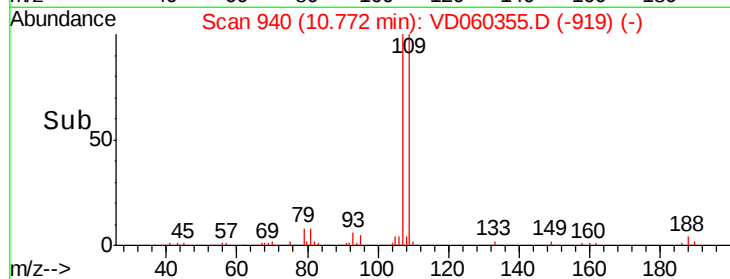
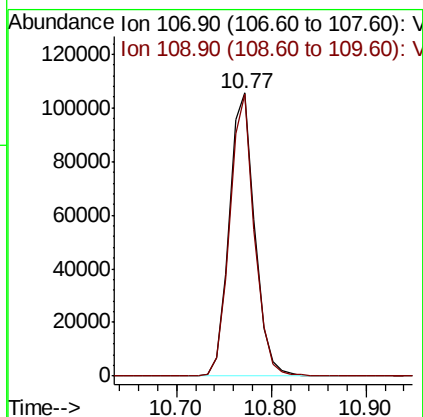
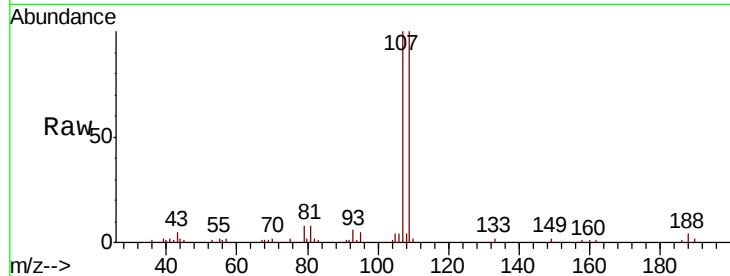




#61
 1,2-Dibromoethane
 Concen: 19.409 ug/l
 RT: 10.77 min Scan# 940
 Delta R.T. 0.01 min
 Lab File: VD060355.D
 Acq: 13 Nov 2018 12:41

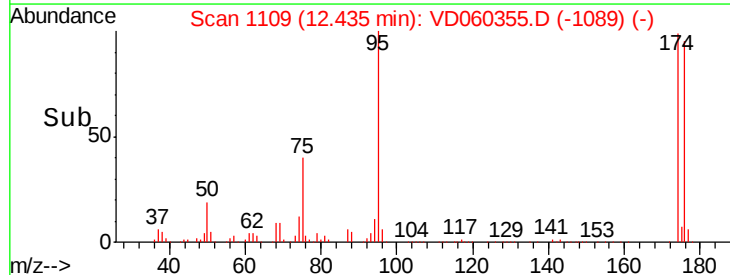
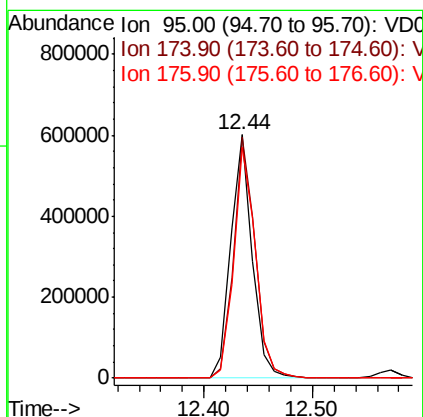
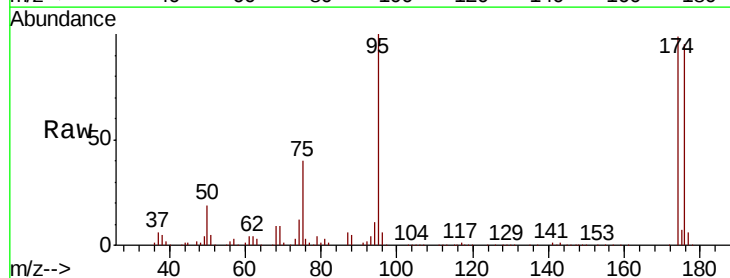
Instrument :
 MSVOA_D
 ClientSampleId :

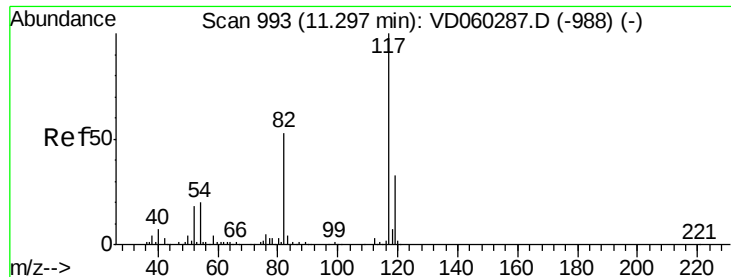
Tot Ion:107 Resp: 195559
 Ion Ratio Lower Upper
 107 100
 109 99.6 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 19.409 ug/l
 RT: 12.44 min Scan# 1109
 Delta R.T. -0.00 min
 Lab File: VD060355.D
 Acq: 13 Nov 2018 12:41

Tgt Ion: 95 Resp: 828394
 Ion Ratio Lower Upper
 95 100
 174 98.8 0.0 160.8
 176 95.0 0.0 154.6

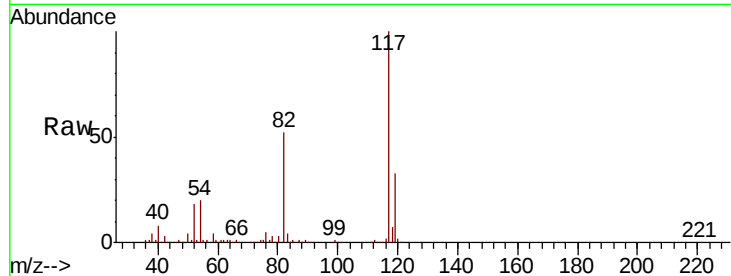




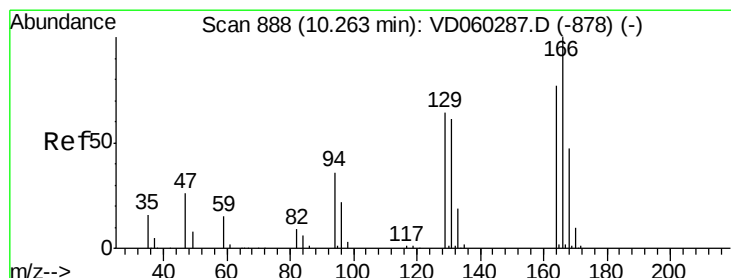
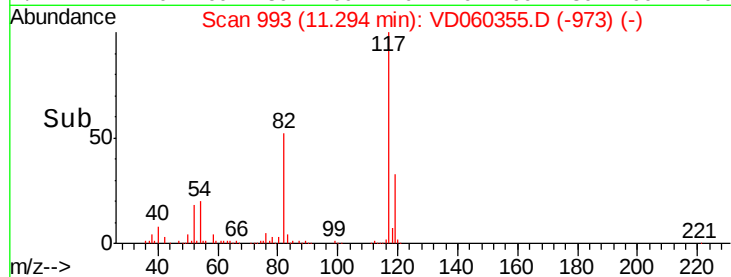
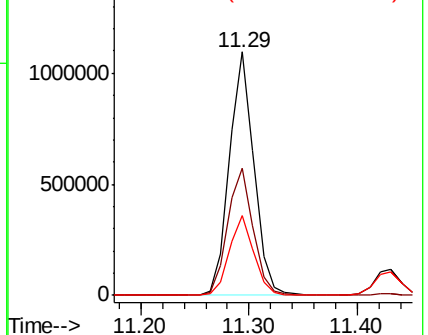
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 993
Delta R.T. -0.00 min
Lab File: VD060355.D
Acq: 13 Nov 2018 12:41

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 1736082
Ion Ratio Lower Upper
117 100
82 52.2 43.7 65.5
119 32.7 26.1 39.1

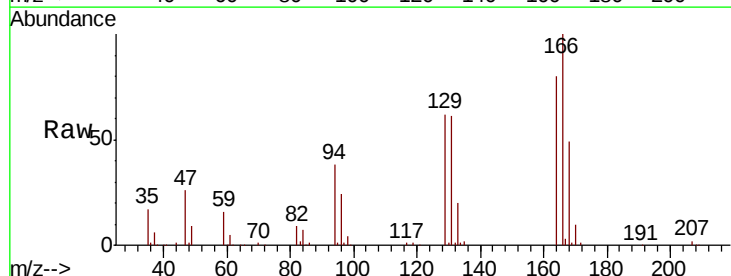


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): VD
Ion 118.95 (118.65 to 119.65): V

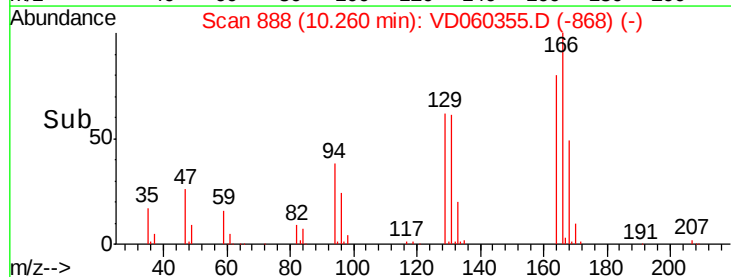
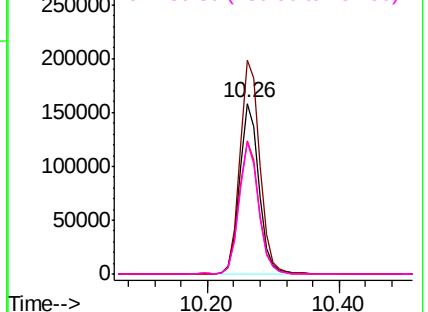


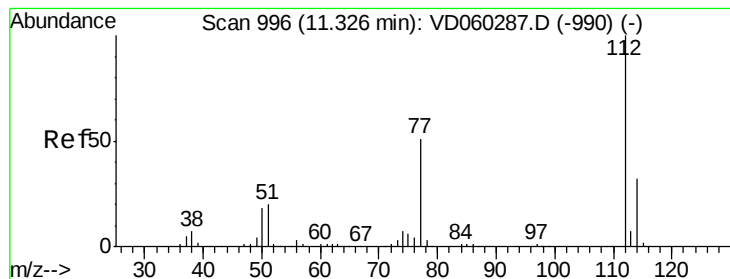
#64
Tetrachloroethene
Concen: 21.203 ug/l
RT: 10.26 min Scan# 888
Delta R.T. -0.00 min
Lab File: VD060355.D
Acq: 13 Nov 2018 12:41

Tgt Ion:164 Resp: 328615
Ion Ratio Lower Upper
164 100
166 125.1 103.7 155.5
129 77.9 65.6 98.4
131 76.9 64.4 96.6



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





#65

Chlorobenzene

Concen: 21.158 ug/l

RT: 11.32 min Scan# 996

Delta R.T. -0.00 min

Lab File: VD060355.D

Acq: 13 Nov 2018 12:41

Instrument :

MSVOA_D

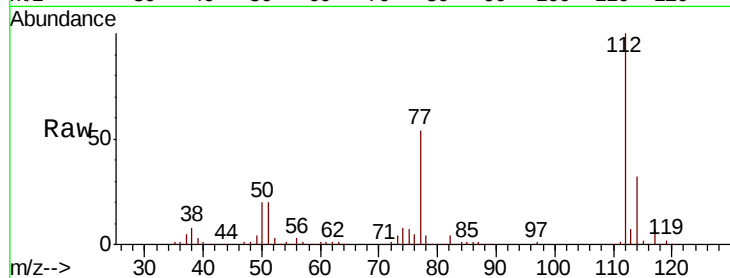
ClientSampleId :

Tot Ion:112 Resp: 795866

Ion Ratio Lower Upper

112 100

114 31.6 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V

11.32

600000

500000

400000

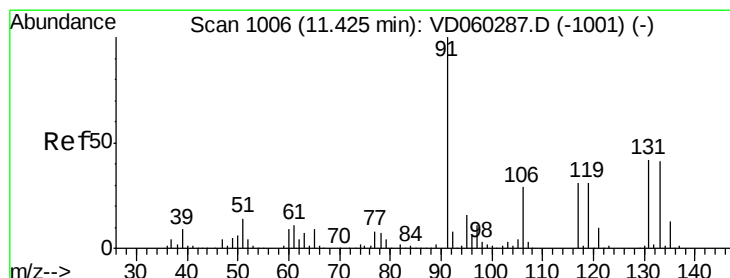
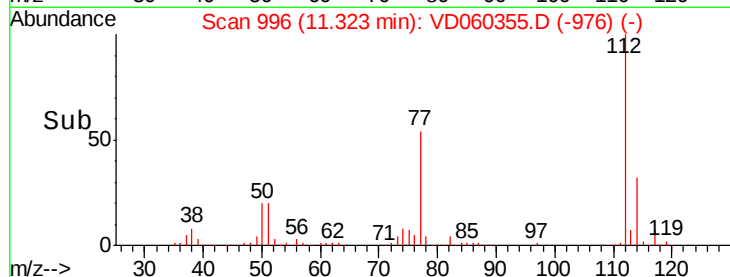
300000

200000

100000

0

Time--> 11.20 11.30 11.40 11.50



#66

1,1,1,2-Tetrachloroethane

Concen: 21.573 ug/l

RT: 11.43 min Scan# 1007

Delta R.T. 0.01 min

Lab File: VD060355.D

Acq: 13 Nov 2018 12:41

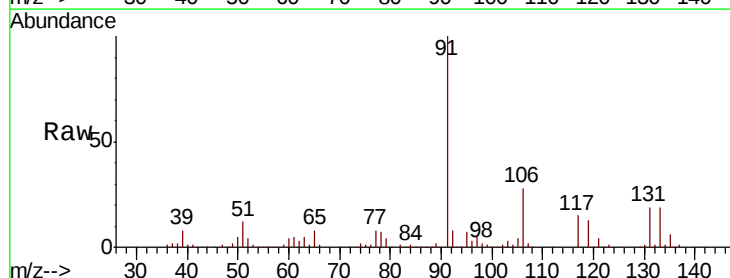
Tgt Ion:131 Resp: 265508

Ion Ratio Lower Upper

131 100

133 99.7 50.0 150.0

119 70.5 37.0 111.1



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

200000

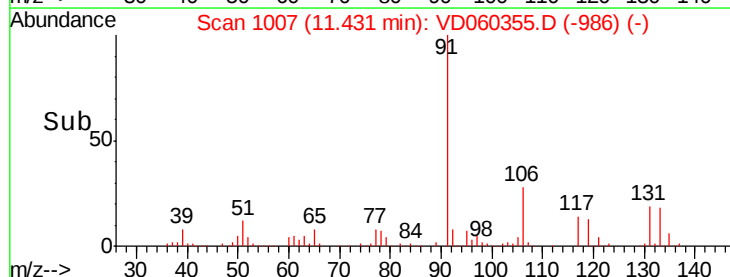
150000

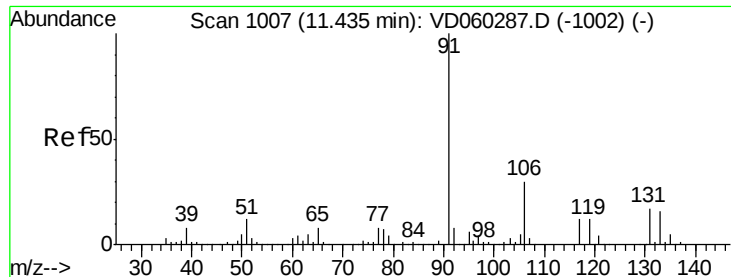
100000

50000

0

Time--> 11.40 11.50

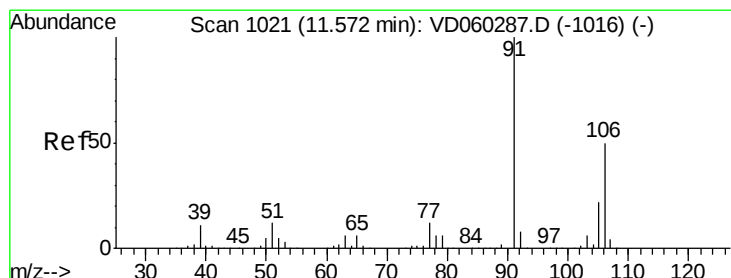
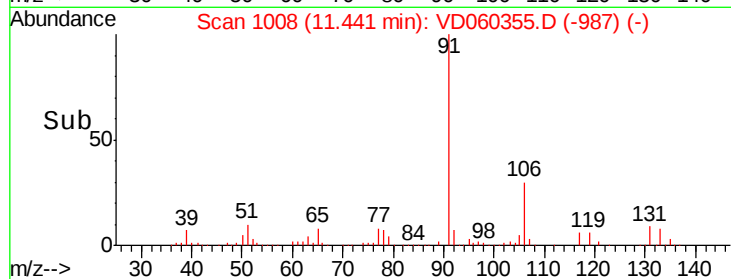
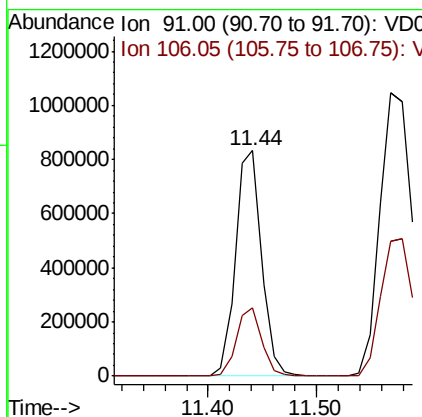
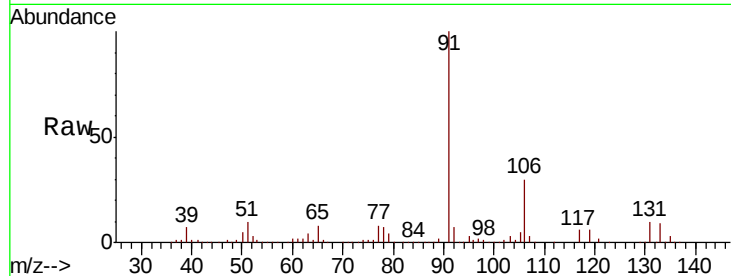




#67
Ethyl Benzene
Concen: 21.715 ug/l
RT: 11.44 min Scan# 1008
Delta R.T. 0.01 min
Lab File: VD060355.D
Acq: 13 Nov 2018 12:41

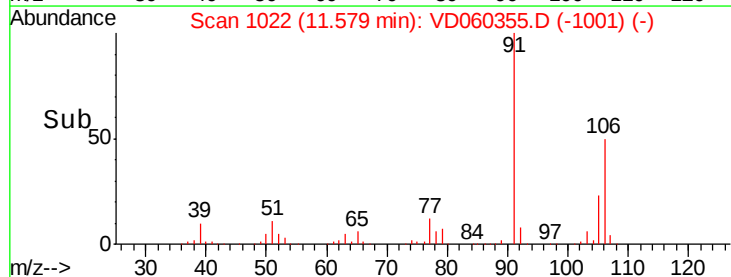
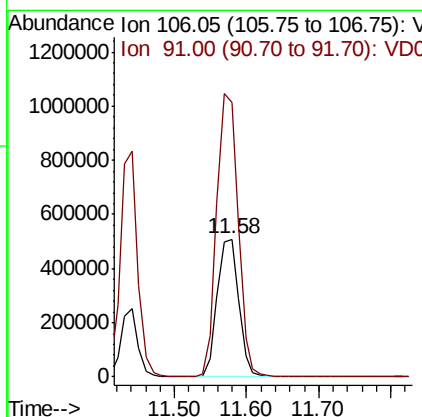
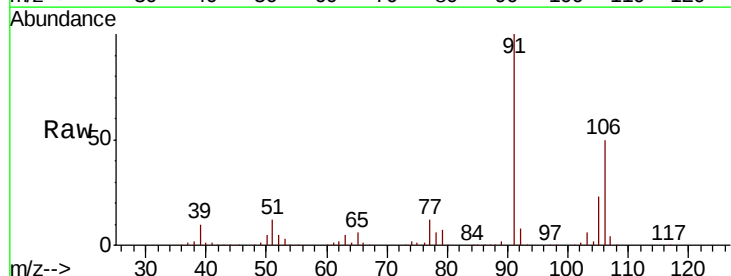
Instrument :
MSVOA_D
ClientSampled :

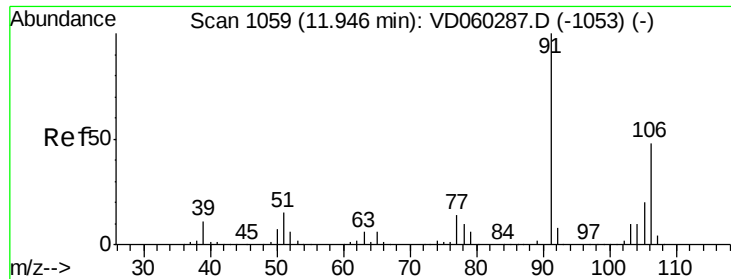
Tot Ion: 91 Resp: 1397288
Ion Ratio Lower Upper
91 100
106 30.2 24.6 36.8



#68
m/p-Xylenes
Concen: 43.981 ug/l
RT: 11.58 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VD060355.D
Acq: 13 Nov 2018 12:41

Tgt Ion: 106 Resp: 1043976
Ion Ratio Lower Upper
106 100
91 199.2 159.4 239.2

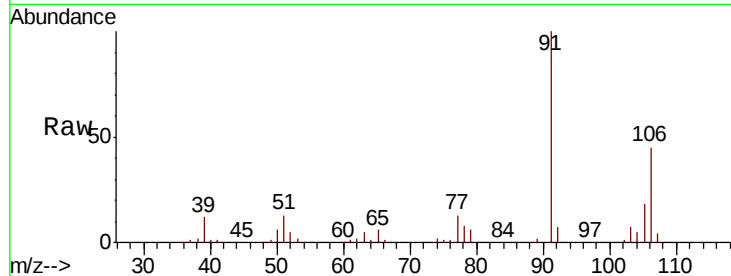




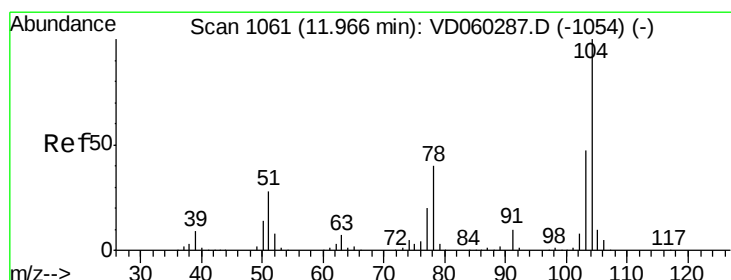
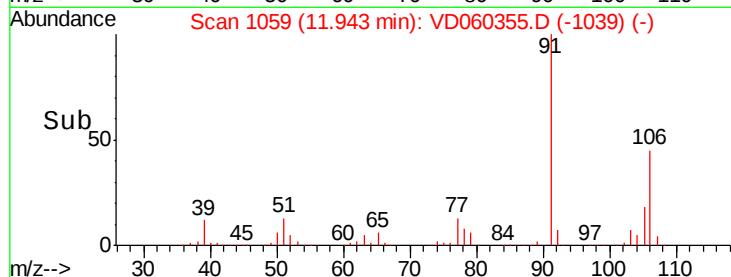
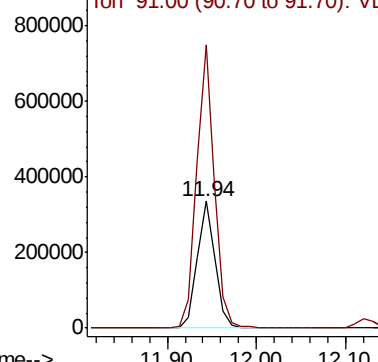
#69
o-Xylene
Concen: 21.059 ug/l
RT: 11.94 min Scan# 1059
Delta R.T. -0.00 min
Lab File: VD060355.D
Acq: 13 Nov 2018 12:41

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 482916
Ion Ratio Lower Upper
106 100
91 222.7 109.2 327.6

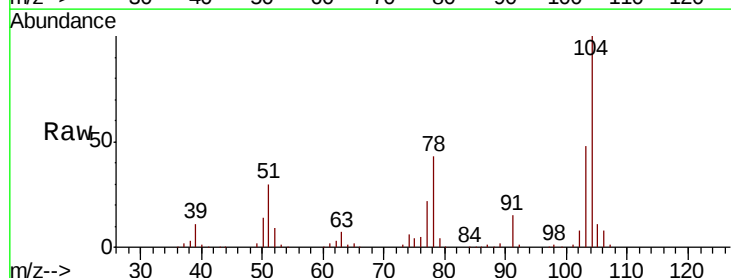


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

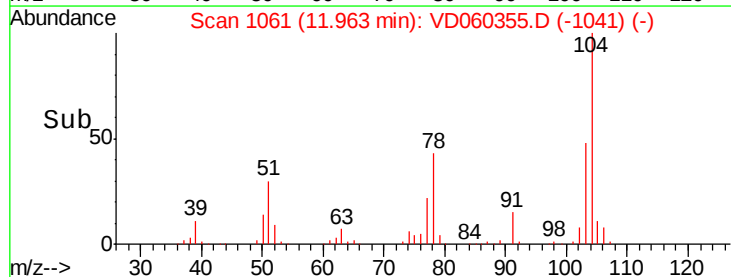
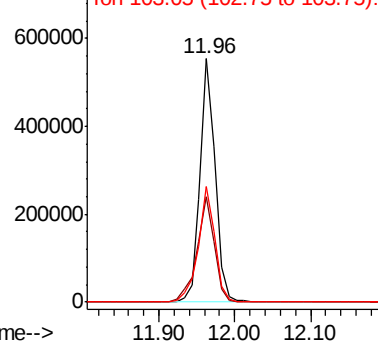


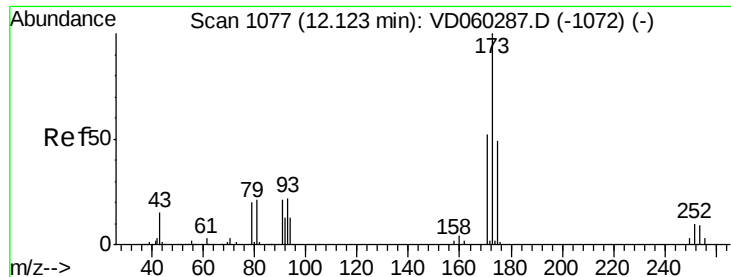
#70
Styrene
Concen: 20.655 ug/l
RT: 11.96 min Scan# 1061
Delta R.T. -0.00 min
Lab File: VD060355.D
Acq: 13 Nov 2018 12:41

Tgt Ion:104 Resp: 765465
Ion Ratio Lower Upper
104 100
78 43.3 31.6 47.4
103 47.6 37.0 55.6



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





#71

Bromoform

Concen: 19.514 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VD060355.D

Acq: 13 Nov 2018 12:41

Instrument :

MSVOA_D

ClientSampleId :

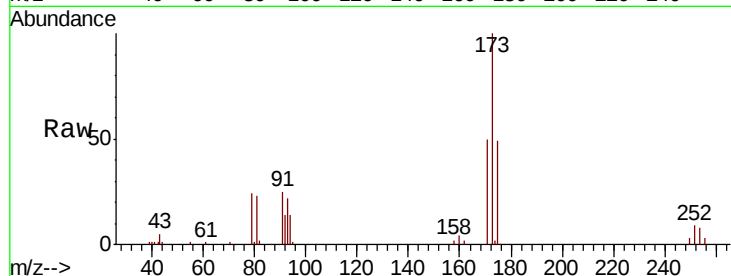
Tot Ion:173 Resp: 161386

Ion Ratio Lower Upper

173 100

175 48.7 24.3 73.0

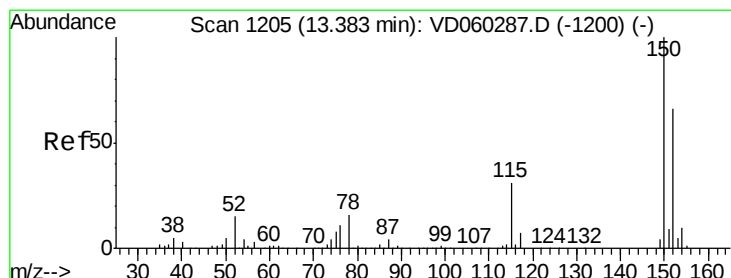
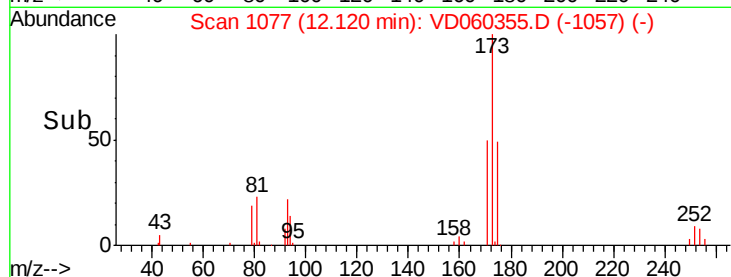
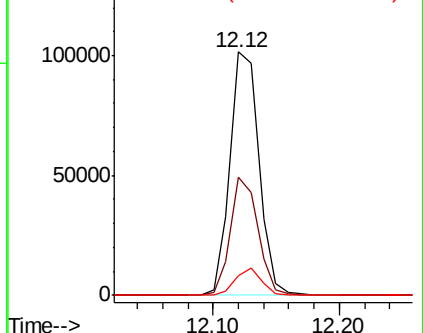
254 7.9 8.3 12.5#



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.38 min Scan# 1205

Delta R.T. -0.00 min

Lab File: VD060355.D

Acq: 13 Nov 2018 12:41

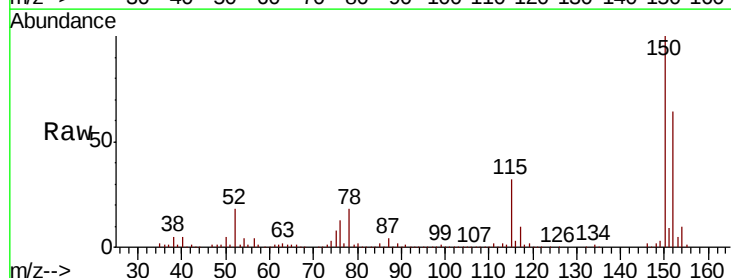
Tgt Ion:152 Resp: 905523

Ion Ratio Lower Upper

152 100

115 50.5 24.1 72.3

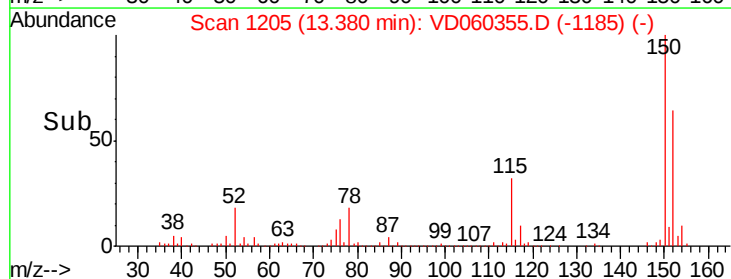
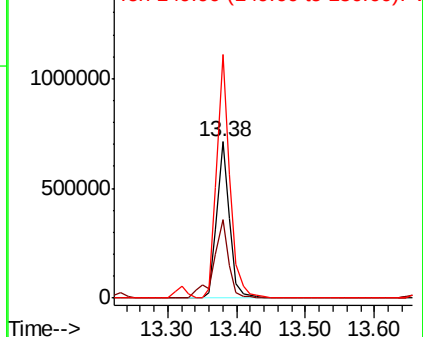
150 155.9 0.0 310.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.251 ug/l

RT: 12.29 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VD060355.D

Acq: 13 Nov 2018 12:41

Instrument :

MSVOA_D

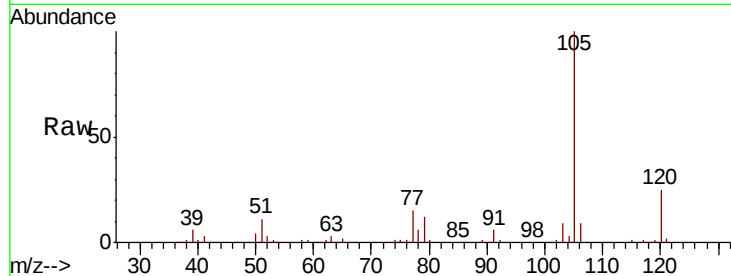
ClientSampled :

Tot Ion:105 Resp: 1336046

Ion Ratio Lower Upper

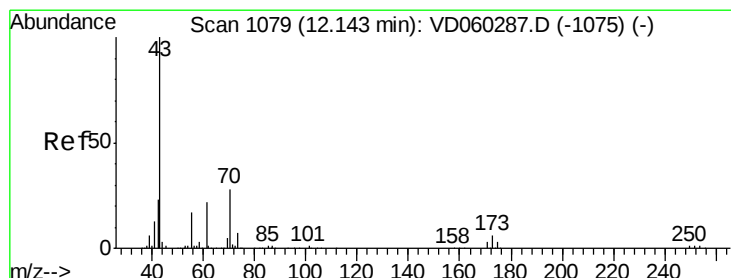
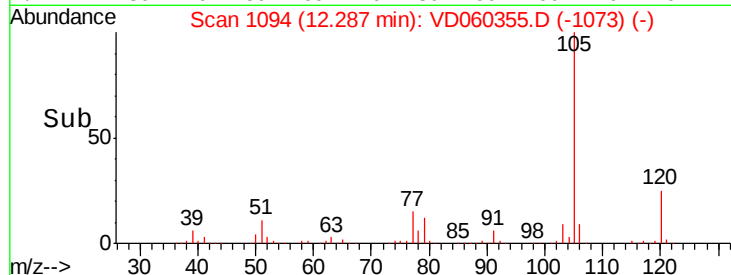
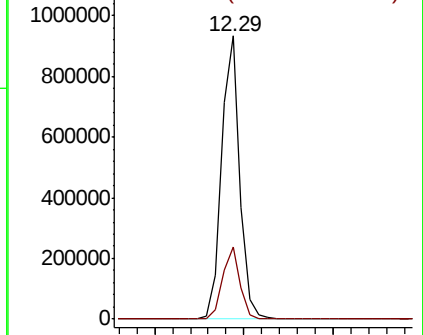
105 100

120 25.4 12.1 36.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 17.429 ug/l

RT: 12.14 min Scan# 1079

Delta R.T. -0.00 min

Lab File: VD060355.D

Acq: 13 Nov 2018 12:41

Tgt Ion: 43 Resp: 294804

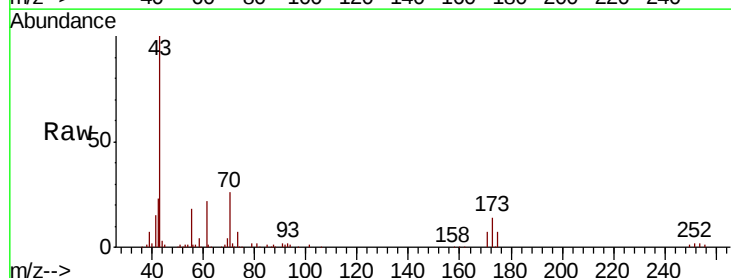
Ion Ratio Lower Upper

43 100

70 26.5 23.0 34.4

55 18.0 14.2 21.4

61 21.8 17.8 26.8

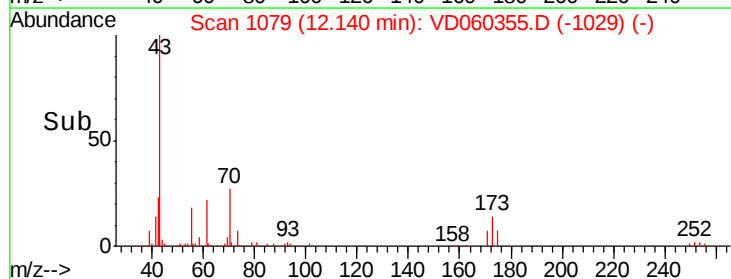
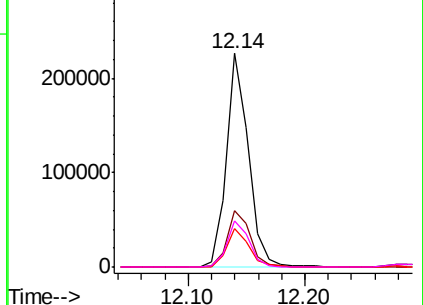


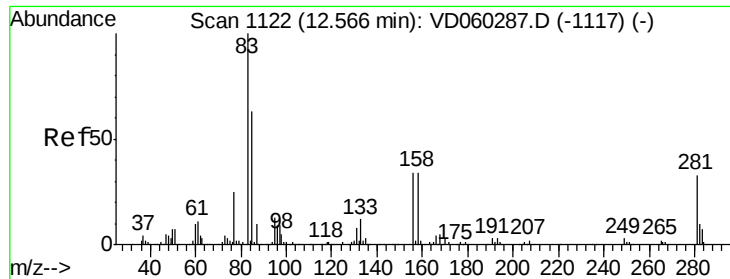
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

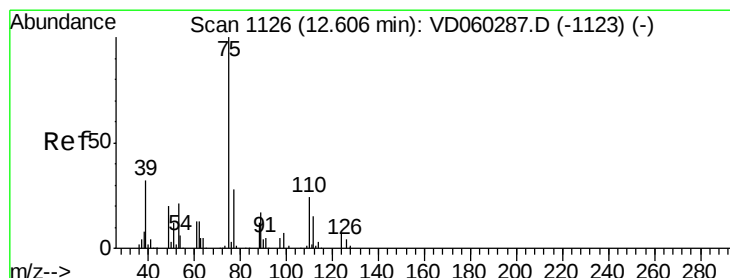
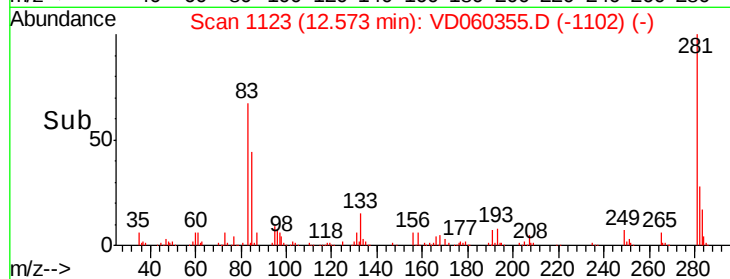
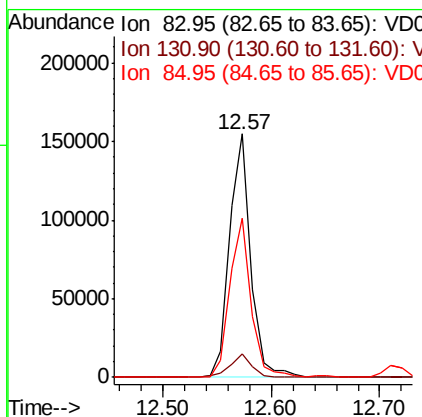
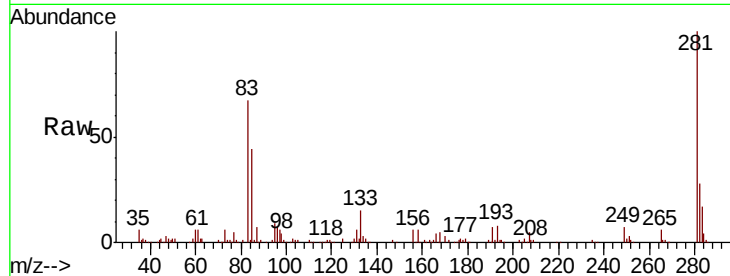




#75
 1,1,2,2-Tetrachloroethane
 Concen: 19.685 ug/l
 RT: 12.57 min Scan# 1123
 Delta R.T. 0.01 min
 Lab File: VD060355.D
 Acq: 13 Nov 2018 12:41

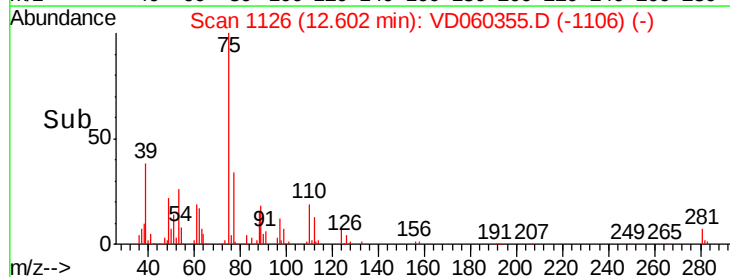
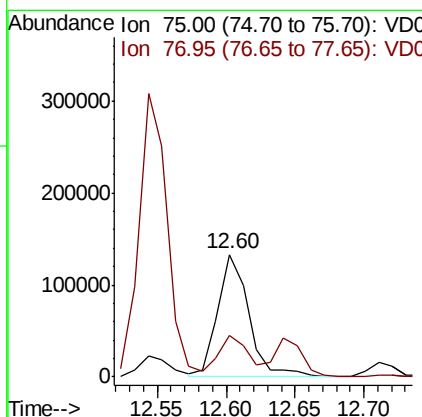
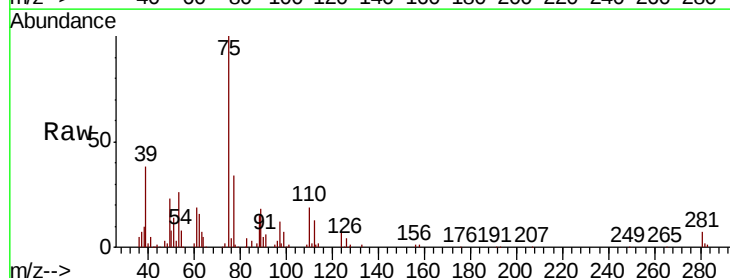
Instrument :
 MSVOA_D
 ClientSampleId :

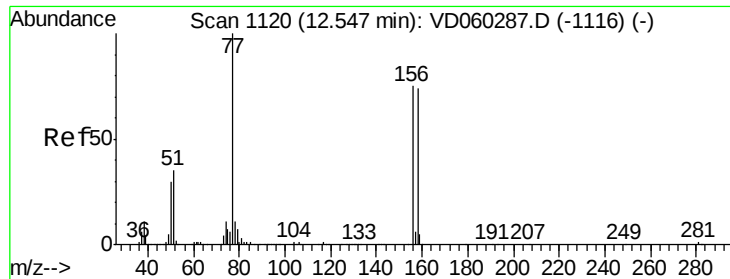
Tot Ion	Ratio	Lower	Upper
83	100		
131	9.6	3.9	11.5
85	65.2	32.0	96.0



#76
 1,2,3-Trichloropropane
 Concen: 19.101 ug/l
 RT: 12.60 min Scan# 1126
 Delta R.T. -0.00 min
 Lab File: VD060355.D
 Acq: 13 Nov 2018 12:41

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.9	16.4	49.1

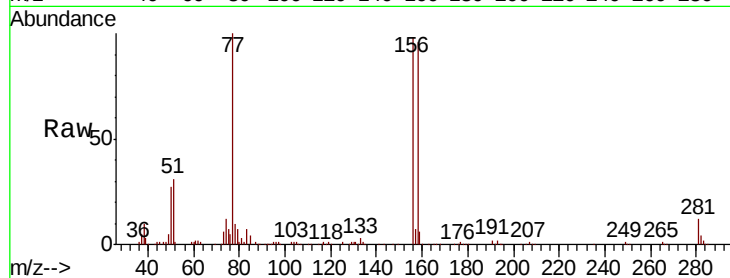




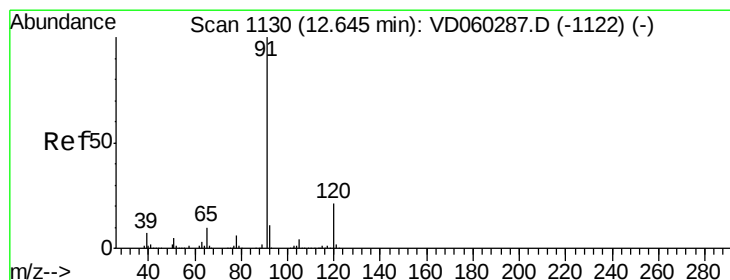
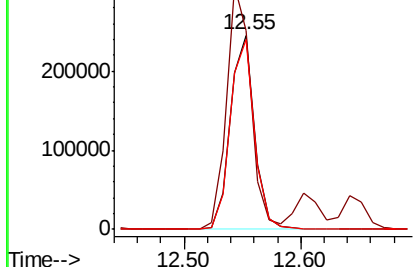
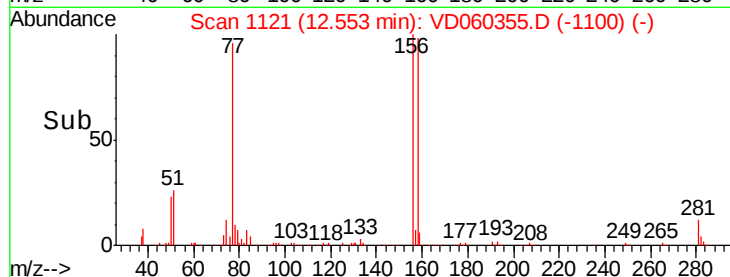
#77
Bromobenzene
Concen: 20.003 ug/l
RT: 12.55 min Scan# 1121
Delta R.T. 0.01 min
Lab File: VD060355.D
Acq: 13 Nov 2018 12:41

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:156 Resp: 350536
Ion Ratio Lower Upper
156 100
77 102.1 61.2 183.6
158 97.5 49.2 147.6

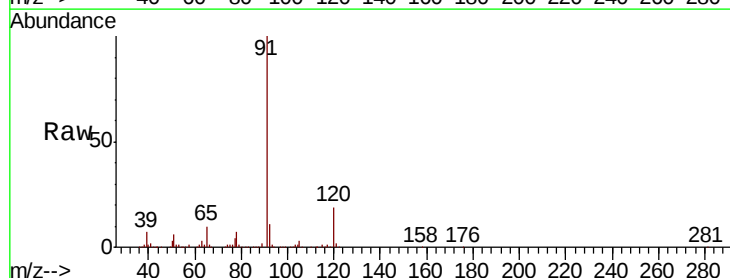


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): V
Ion 157.85 (157.55 to 158.55): V

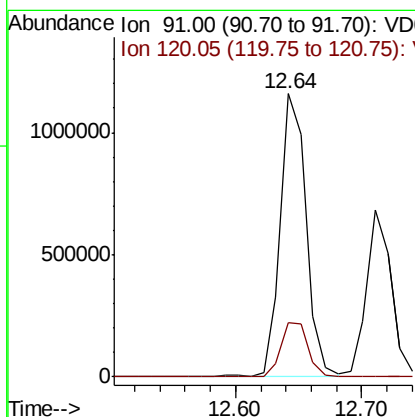
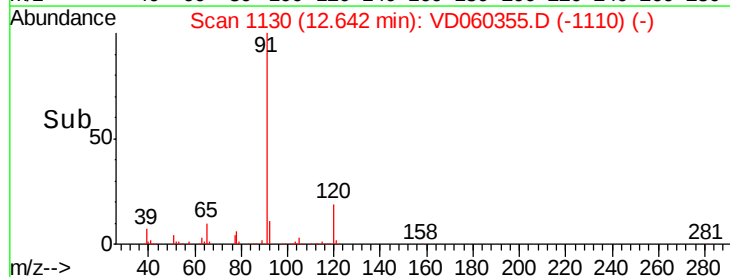


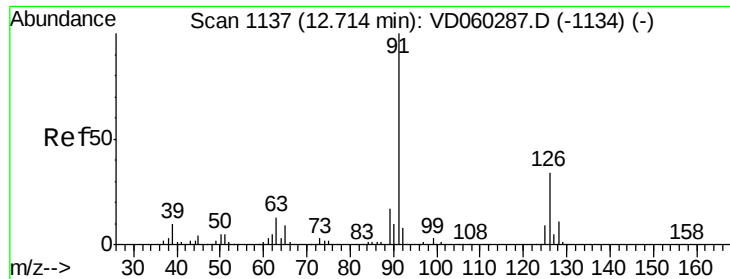
#78
n-propylbenzene
Concen: 20.155 ug/l
RT: 12.64 min Scan# 1130
Delta R.T. -0.00 min
Lab File: VD060355.D
Acq: 13 Nov 2018 12:41

Tgt Ion: 91 Resp: 1659744
Ion Ratio Lower Upper
91 100
120 19.1 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 120.05 (119.75 to 120.75): V

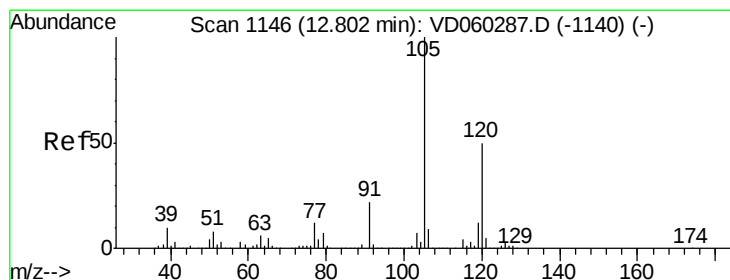
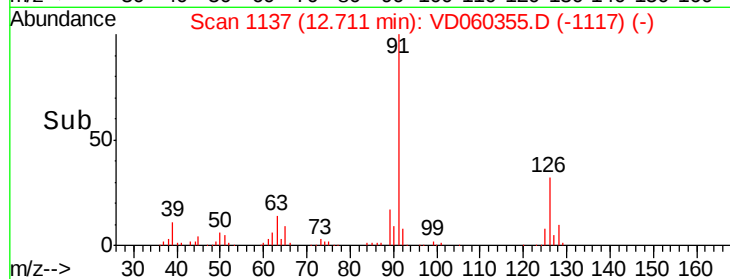
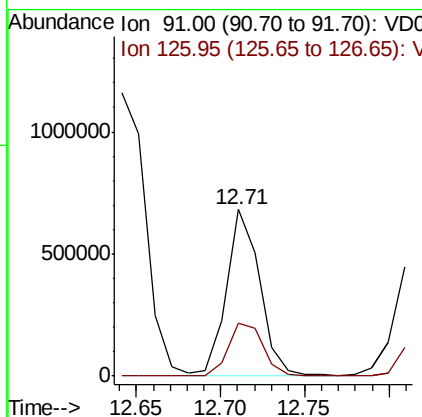
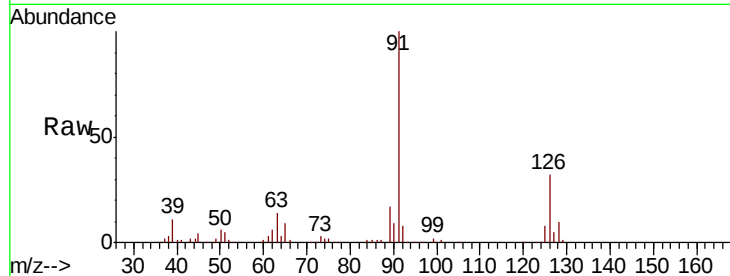




#79
 2-Chlorotoluene
 Concen: 20.667 ug/l
 RT: 12.71 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VD060355.D
 Acq: 13 Nov 2018 12:41

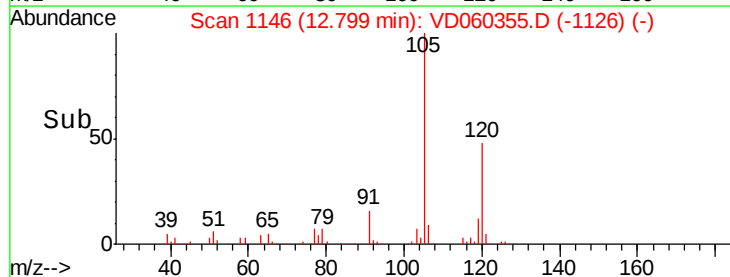
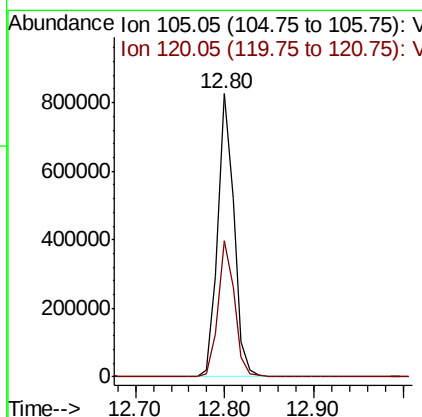
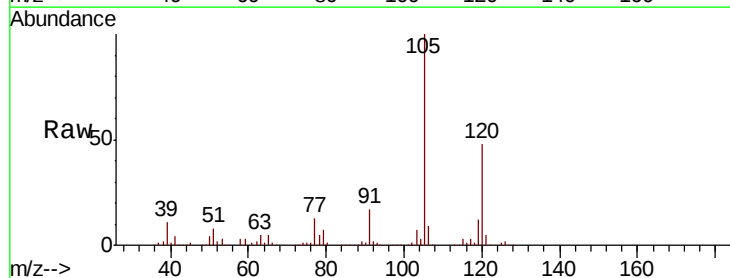
Instrument :
 MSVOA_D
 ClientSampled :

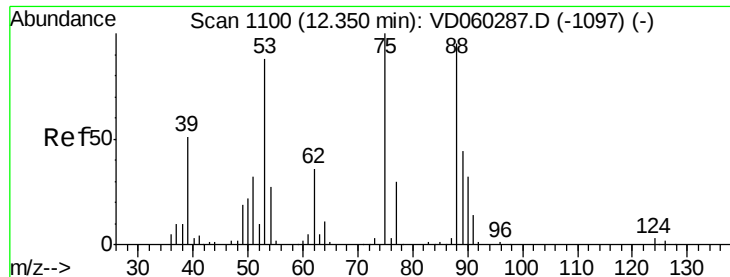
Tot Ion: 91 Resp: 932129
 Ion Ratio Lower Upper
 91 100
 126 31.6 17.4 52.2



#80
 1,3,5-Trimethylbenzene
 Concen: 20.577 ug/l
 RT: 12.80 min Scan# 1146
 Delta R.T. -0.00 min
 Lab File: VD060355.D
 Acq: 13 Nov 2018 12:41

Tgt Ion: 105 Resp: 1055016
 Ion Ratio Lower Upper
 105 100
 120 47.9 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 18.289 ug/l

RT: 12.35 min Scan# 1100

Delta R.T. -0.00 min

Lab File: VD060355.D

Acq: 13 Nov 2018 12:41

Instrument :

MSVOA_D

ClientSampleId :

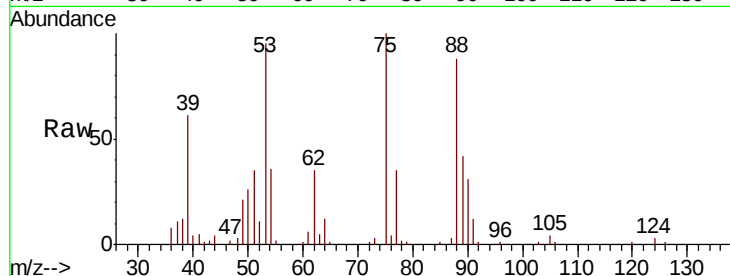
Tot Ion: 75 Resp: 56400

Ion Ratio Lower Upper

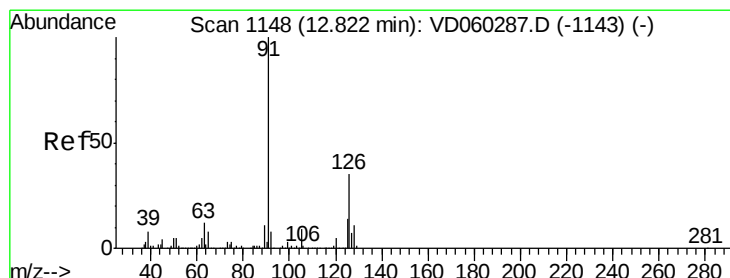
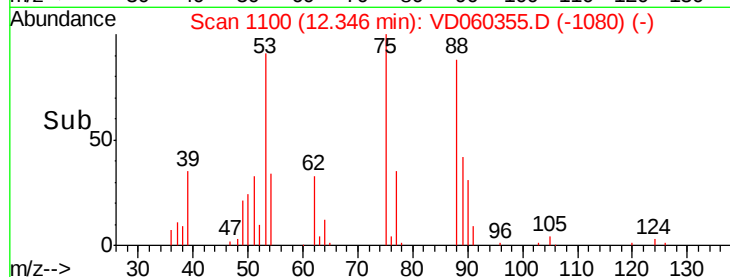
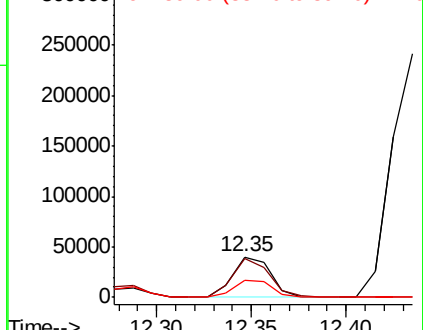
75 100

53 94.6 68.6 103.0

89 42.2 34.1 51.1



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



#82

4-Chlorotoluene

Concen: 20.715 ug/l

RT: 12.82 min Scan# 1148

Delta R.T. -0.00 min

Lab File: VD060355.D

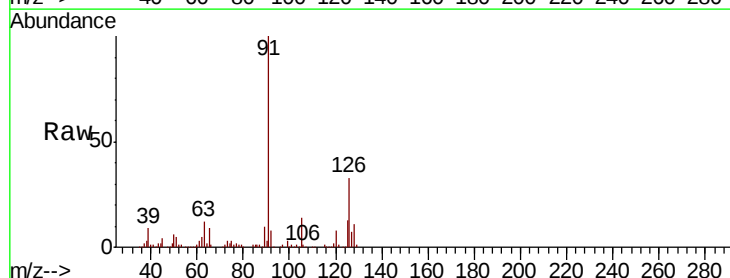
Acq: 13 Nov 2018 12:41

Tgt Ion: 91 Resp: 1049504

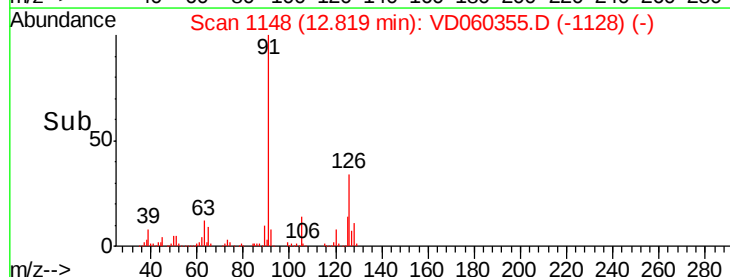
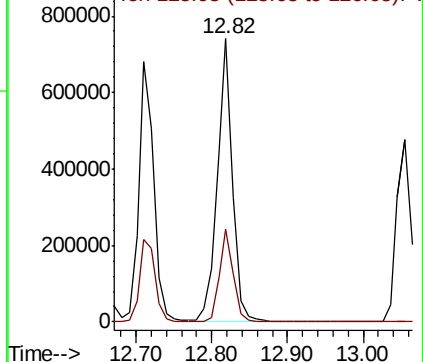
Ion Ratio Lower Upper

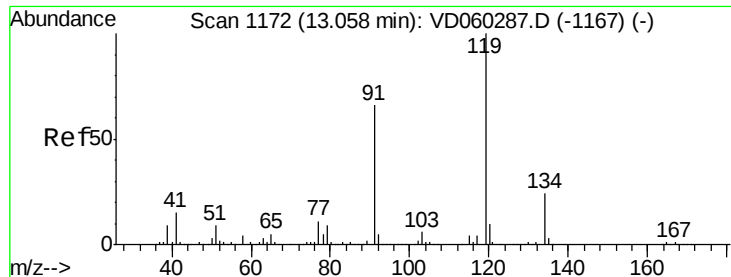
91 100

126 32.7 14.8 44.4



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

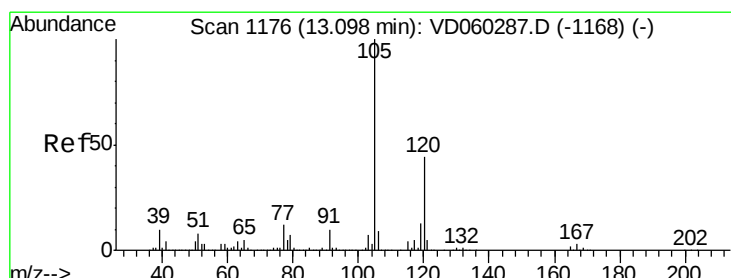
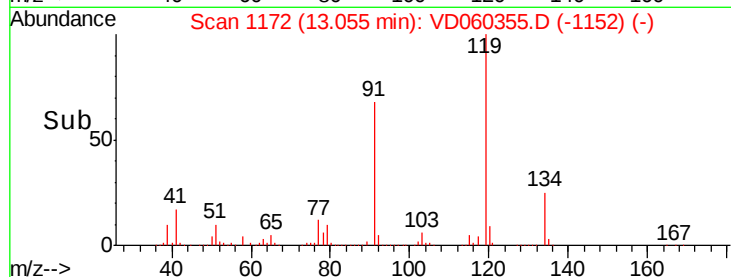
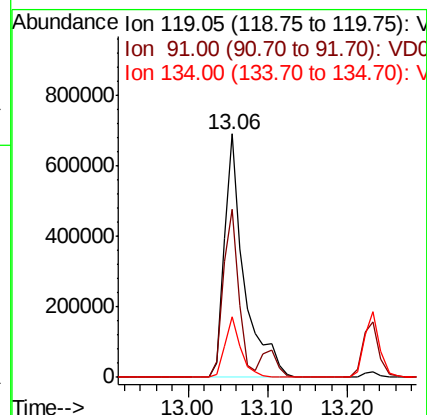
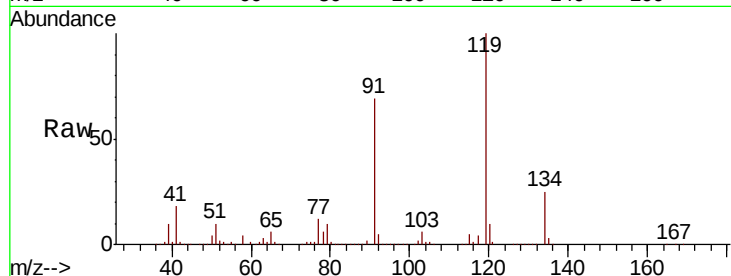




#83
tert-Butylbenzene
Concen: 21.236 ug/l
RT: 13.06 min Scan# 1172
Delta R.T. -0.00 min
Lab File: VD060355.D
Acq: 13 Nov 2018 12:41

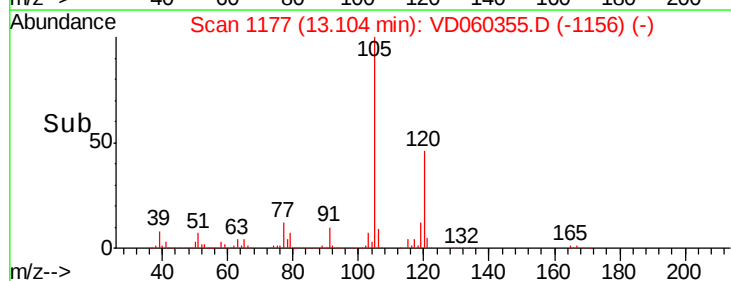
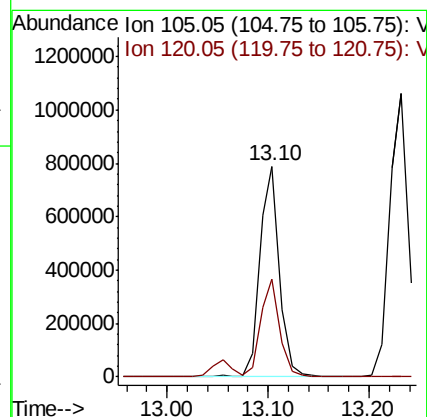
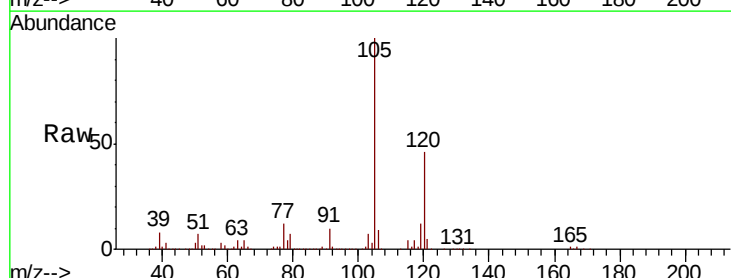
Instrument :
MSVOA_D
ClientSampled :

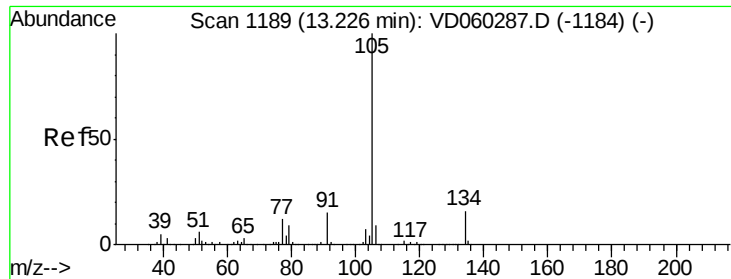
Tot Ion:119 Resp: 1208825
Ion Ratio Lower Upper
119 100
91 68.8 32.7 98.1
134 25.0 12.1 36.3



#84
1,2,4-Trimethylbenzene
Concen: 20.901 ug/l
RT: 13.10 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VD060355.D
Acq: 13 Nov 2018 12:41

Tgt Ion:105 Resp: 1070252
Ion Ratio Lower Upper
105 100
120 46.5 21.9 65.8

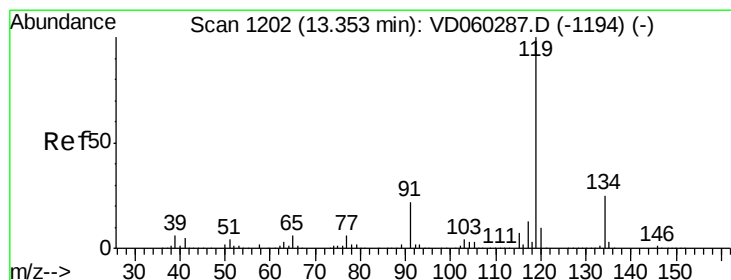
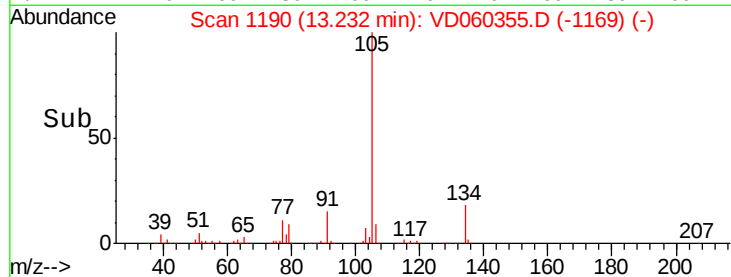
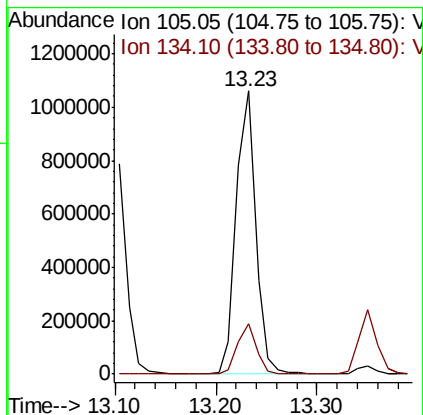
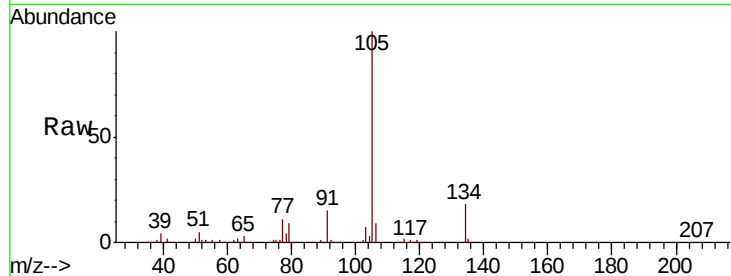




#85
 sec-Butylbenzene
 Concen: 20.341 ug/l
 RT: 13.23 min Scan# 1190
 Delta R.T. 0.01 min
 Lab File: VD060355.D
 Acq: 13 Nov 2018 12:41

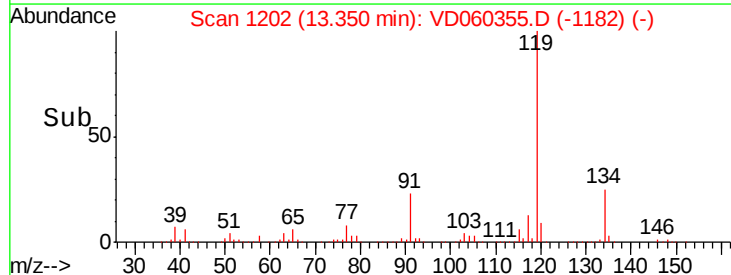
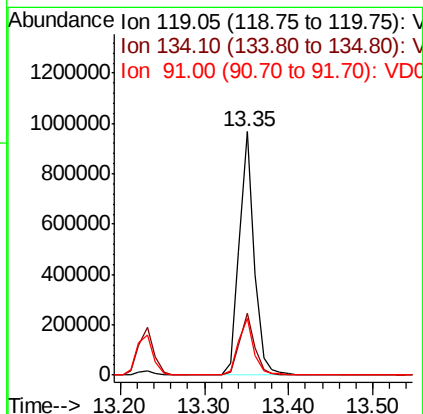
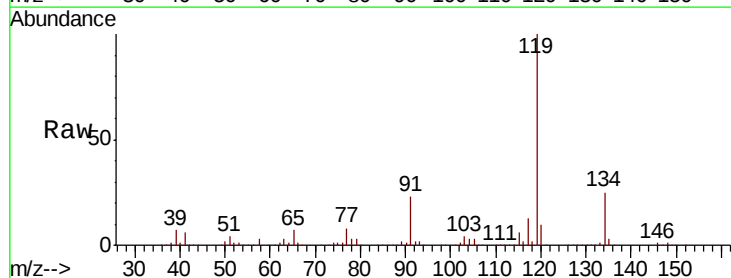
Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:105 Resp: 1420563
 Ion Ratio Lower Upper
 105 100
 134 17.7 8.0 24.0



#86
 p-Isopropyltoluene
 Concen: 21.263 ug/l
 RT: 13.35 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VD060355.D
 Acq: 13 Nov 2018 12:41

Tgt Ion:119 Resp: 1195842
 Ion Ratio Lower Upper
 119 100
 134 25.2 12.9 38.6
 91 23.3 11.3 33.8

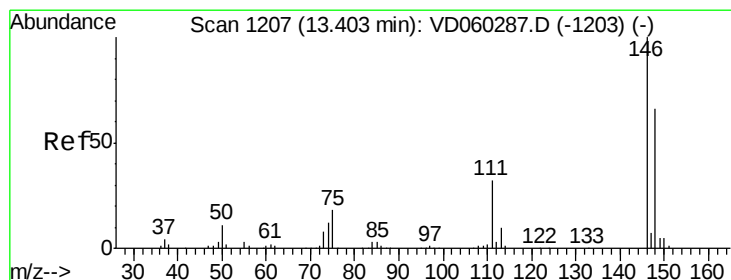
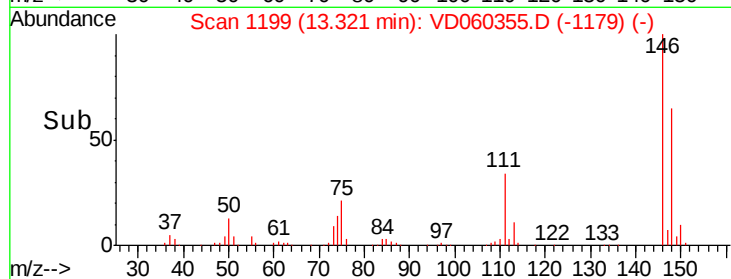
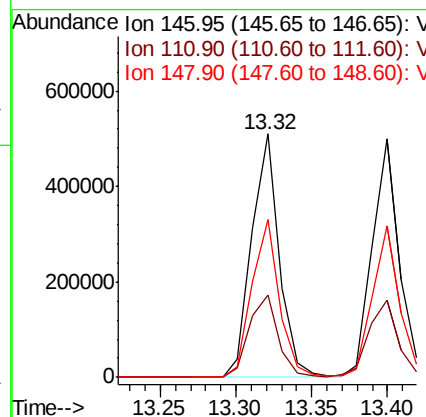
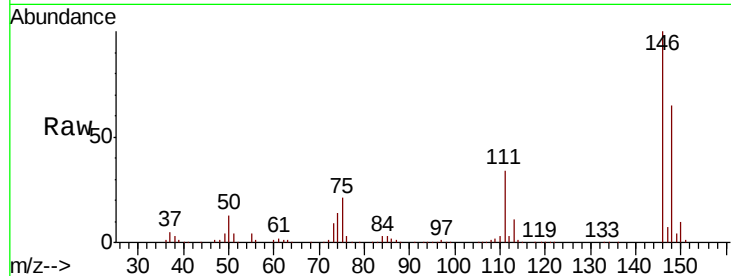




#87
 1,3-Dichlorobenzene
 Concen: 20.766 ug/l
 RT: 13.32 min Scan# 1199
 Delta R.T. -0.00 min
 Lab File: VD060355.D
 Acq: 13 Nov 2018 12:41

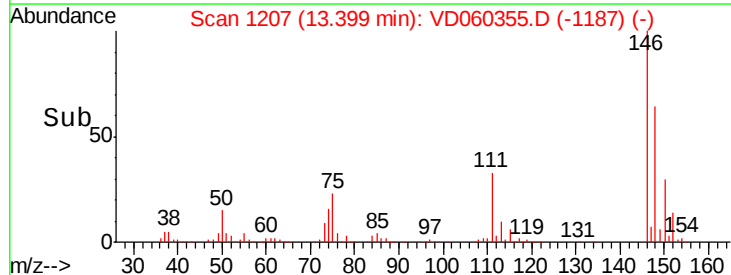
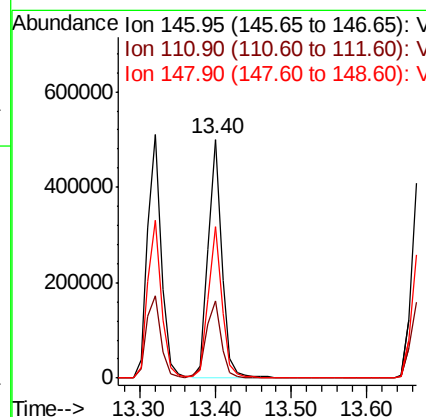
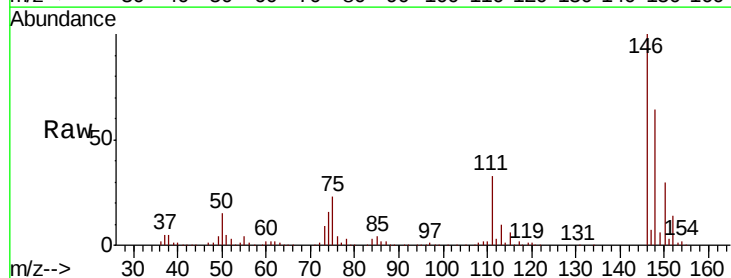
Instrument :
 MSVOA_D
 ClientSampleId :

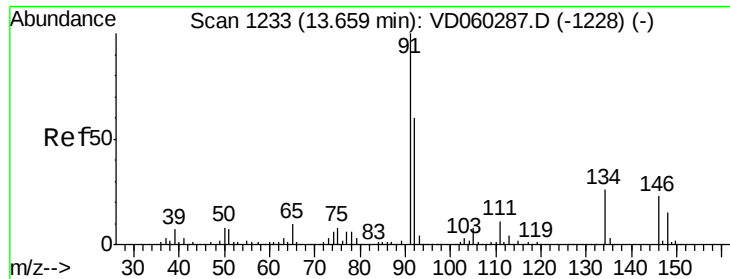
Tot Ion	Ratio	Lower	Upper
146	100		
111	34.0	20.2	60.5
148	64.8	32.0	96.0



#88
 1,4-Dichlorobenzene
 Concen: 20.740 ug/l
 RT: 13.40 min Scan# 1207
 Delta R.T. -0.00 min
 Lab File: VD060355.D
 Acq: 13 Nov 2018 12:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	32.6	16.0	47.9
148	63.6	32.9	98.7

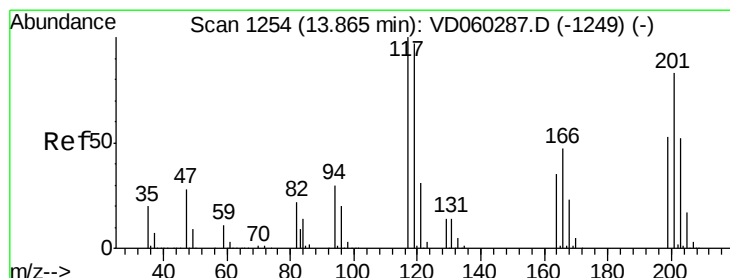
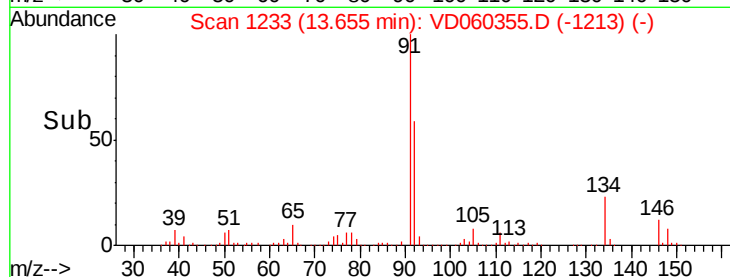
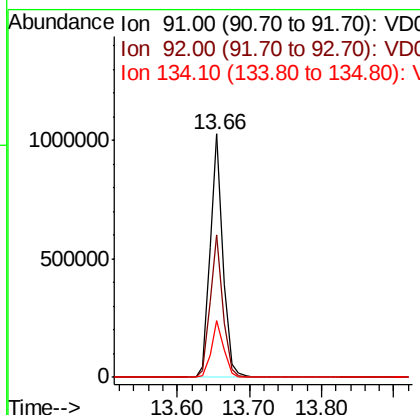
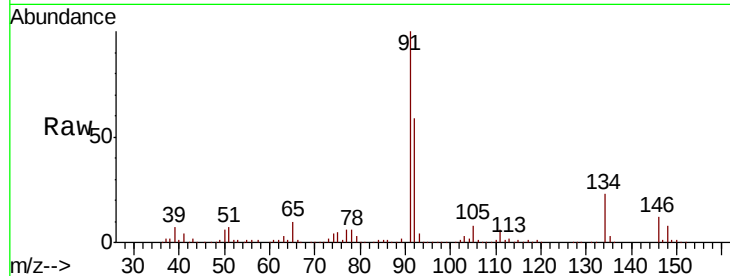




#89
n-Butylbenzene
Concen: 20.185 ug/l
RT: 13.66 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VD060355.D
Acq: 13 Nov 2018 12:41

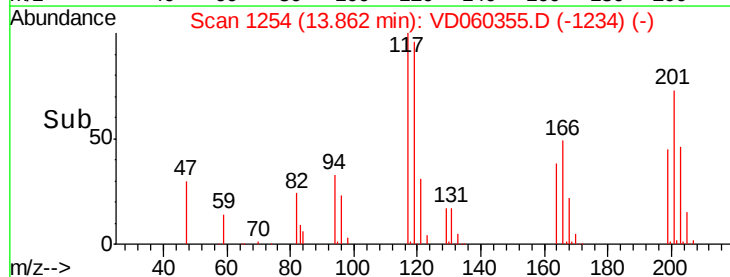
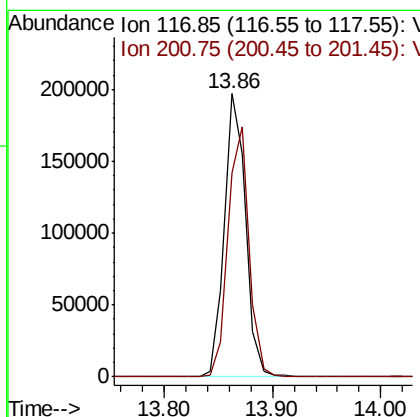
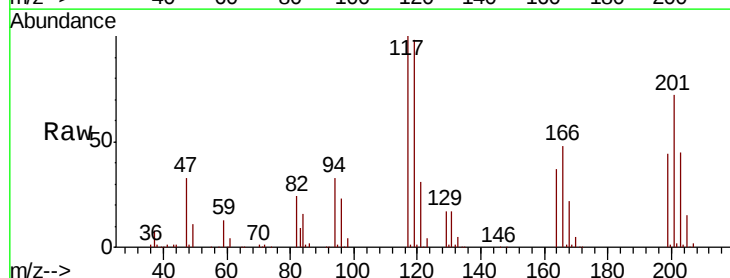
Instrument :
MSVOA_D
ClientSampleId :

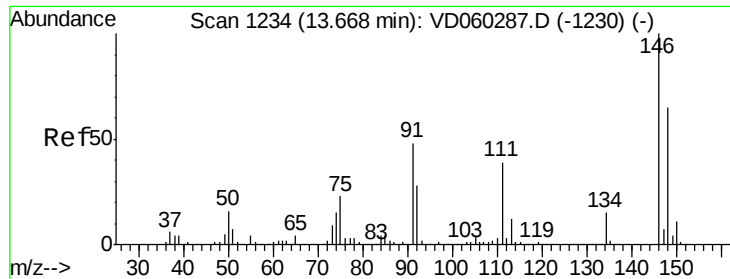
Tot Ion: 91 Resp: 1247376
Ion Ratio Lower Upper
91 100
92 58.7 30.3 90.9
134 23.3 13.0 38.9



#90
Hexachloroethane
Concen: 20.140 ug/l
RT: 13.86 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VD060355.D
Acq: 13 Nov 2018 12:41

Tgt Ion: 117 Resp: 268583
Ion Ratio Lower Upper
117 100
201 72.1 40.1 120.3

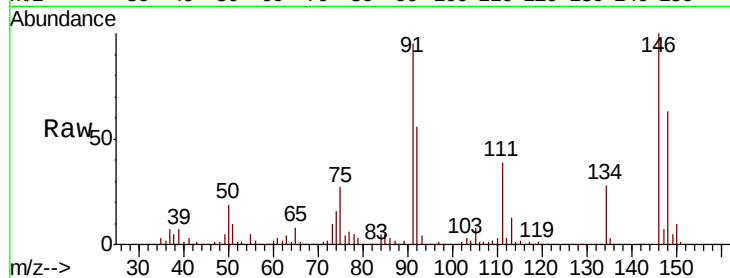




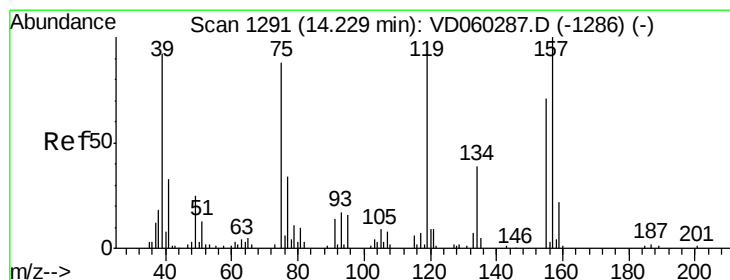
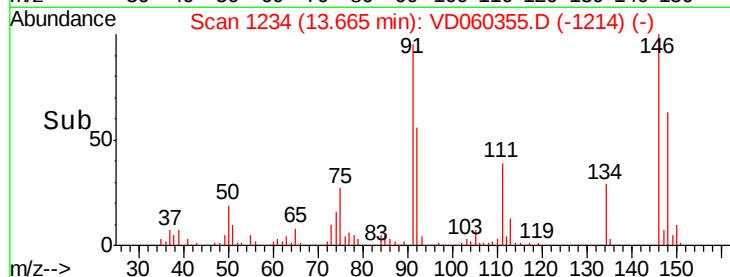
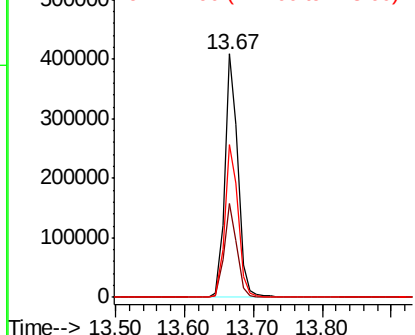
#91
 1,2-Dichlorobenzene
 Concen: 20.863 ug/l
 RT: 13.67 min Scan# 1234
 Delta R.T. -0.00 min
 Lab File: VD060355.D
 Acq: 13 Nov 2018 12:41

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:146 Resp: 534299
 Ion Ratio Lower Upper
 146 100
 111 38.8 18.9 56.9
 148 62.9 31.6 94.8

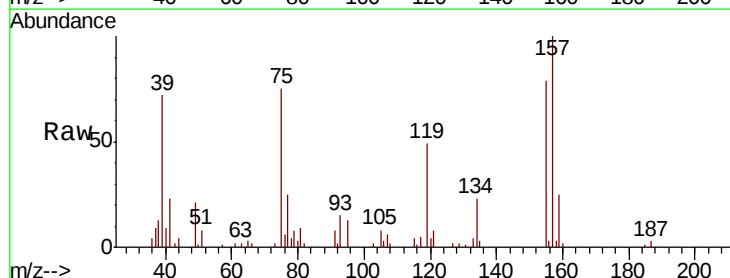


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

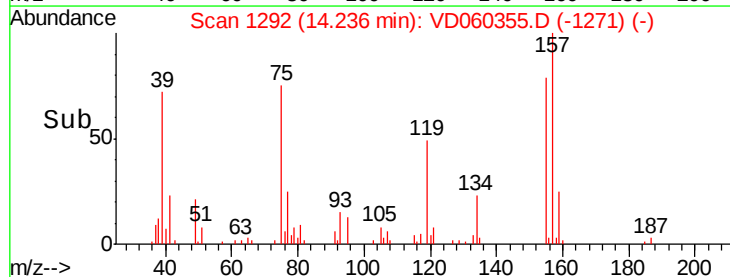
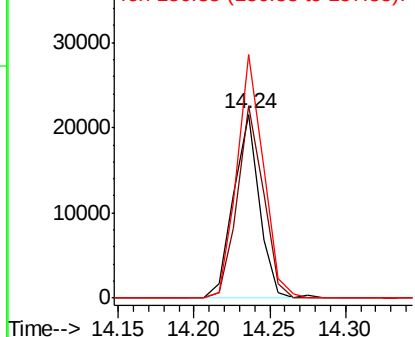


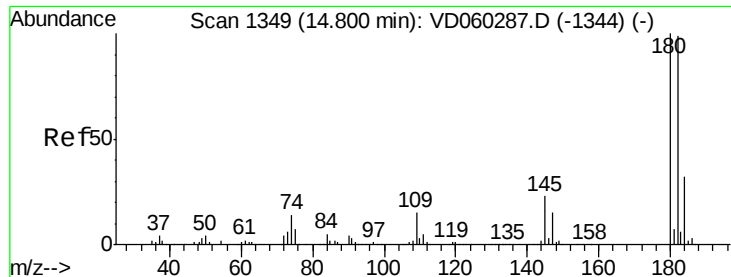
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.605 ug/l
 RT: 14.24 min Scan# 1292
 Delta R.T. 0.01 min
 Lab File: VD060355.D
 Acq: 13 Nov 2018 12:41

Tgt Ion: 75 Resp: 25534
 Ion Ratio Lower Upper
 75 100
 155 104.8 64.3 192.9
 157 132.7 81.0 243.1



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

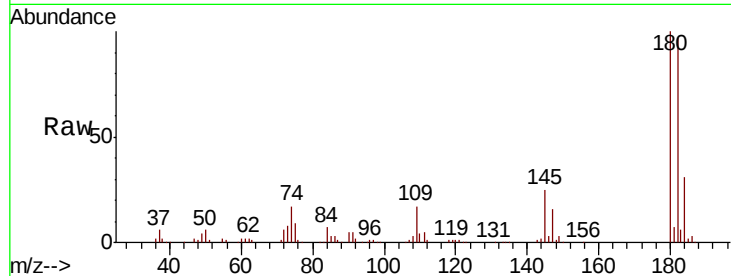




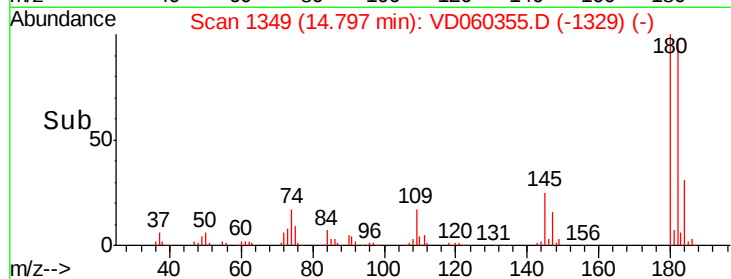
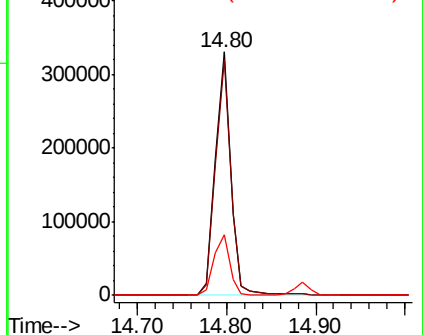
#93
 1,2,4-Trichlorobenzene
 Concen: 19.751 ug/l
 RT: 14.80 min Scan# 1349
 Delta R.T. -0.00 min
 Lab File: VD060355.D
 Acq: 13 Nov 2018 12:41

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:180 Resp: 401041
 Ion Ratio Lower Upper
 180 100
 182 96.9 48.1 144.4
 145 25.0 11.5 34.4

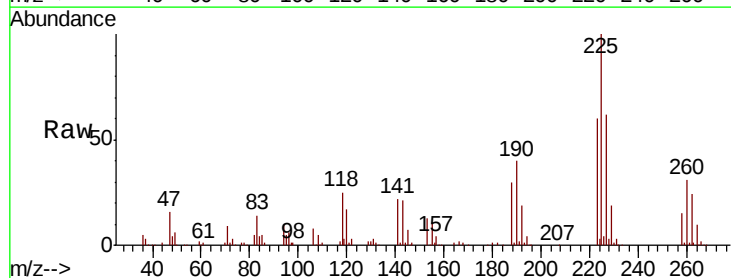


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

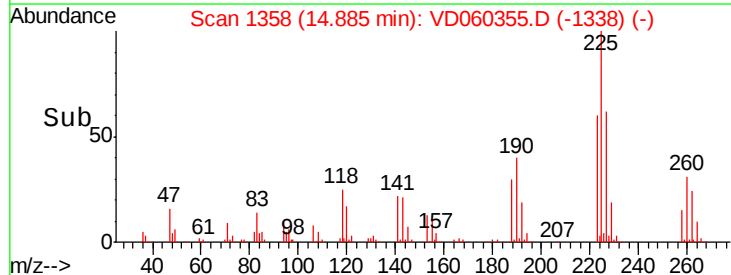
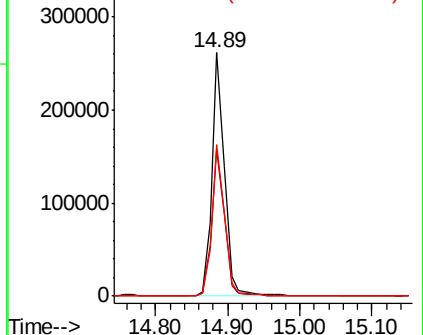


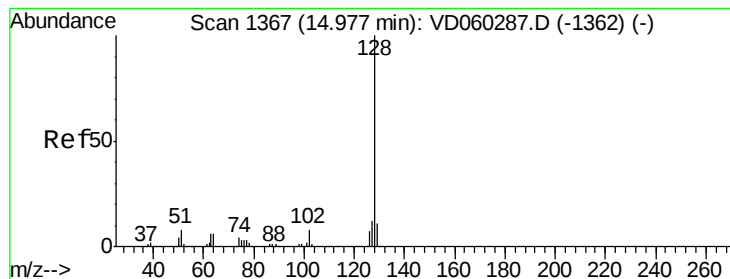
#94
 Hexachlorobutadiene
 Concen: 20.615 ug/l
 RT: 14.89 min Scan# 1358
 Delta R.T. -0.00 min
 Lab File: VD060355.D
 Acq: 13 Nov 2018 12:41

Tgt Ion:225 Resp: 313082
 Ion Ratio Lower Upper
 225 100
 223 60.0 31.6 94.8
 227 62.4 32.3 96.9



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





#95

Naphthalene

Concen: 19.309 ug/l

RT: 14.97 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VD060355.D

Acq: 13 Nov 2018 12:41

Instrument :

MSVOA_D

ClientSampled :

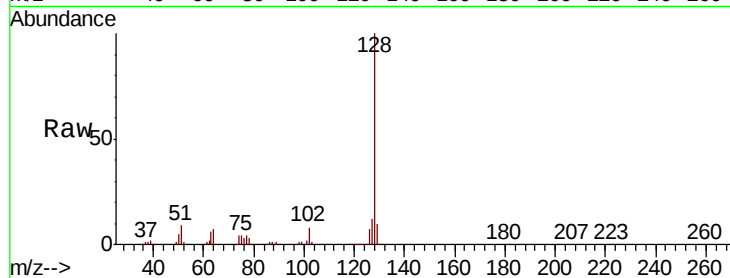
Tot Ion:128 Resp: 478730

Ion Ratio Lower Upper

128 100

127 12.0 9.6 14.4

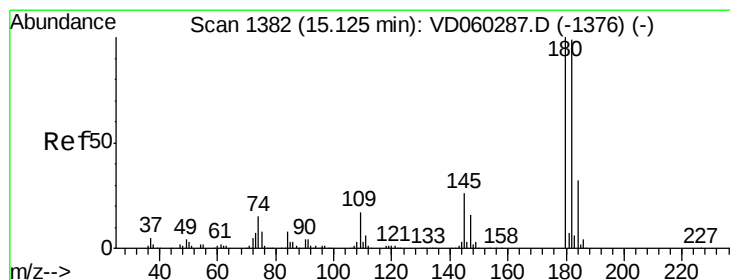
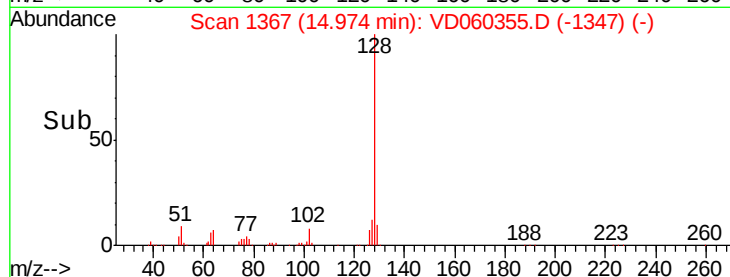
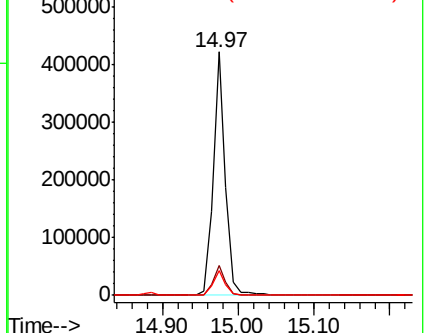
129 10.3 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.161 ug/l

RT: 15.12 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VD060355.D

Acq: 13 Nov 2018 12:41

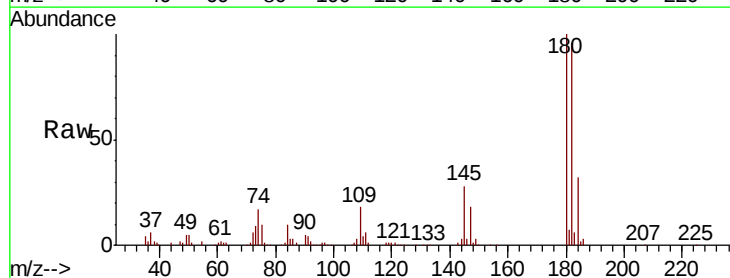
Tgt Ion:180 Resp: 328029

Ion Ratio Lower Upper

180 100

182 96.0 48.9 146.7

145 27.6 12.9 38.6



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

