

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110618\
 Data File : VD060290.D
 Acq On : 6 Nov 2018 14:08
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD110618

Quant Time: Nov 06 14:36:56 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	6.43	168	1609743	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.46	114	2190668	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.30	117	1661021	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	868889	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.80	65	587328	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	
35) Dibromofluoromethane	6.34	113	848627	51.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.90%	
50) Toluene-d8	9.48	98	2494766	52.18	ug/l	0.01
Spiked Amount	50.000		Recovery	=	104.36%	
62) 4-Bromofluorobenzene	12.44	95	898521	51.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	662241	52.696	ug/l	98
3) Chloromethane	1.76	50	745812	48.912	ug/l	98
4) Vinyl Chloride	1.86	62	606416	48.698	ug/l	98
5) Bromomethane	2.17	94	180454	61.080	ug/l	99
6) Chloroethane	2.27	64	233764	56.577	ug/l	98
7) Trichlorofluoromethane	2.52	101	757403	51.589	ug/l	95
8) Diethyl Ether	2.83	74	141536	53.248	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.11	101	493765	51.134	ug/l	98
10) Methyl Iodide	3.26	142	621716	49.572	ug/l	97
11) Tert butyl alcohol	3.99	59	123087	260.061	ug/l #	93
12) 1,1-Dichloroethene	3.09	96	396022	50.419	ug/l	94
13) Acrolein	2.99	56	141949	253.818	ug/l	95
14) Allyl chloride	3.55	41	791087	52.638	ug/l	99
15) Acrylonitrile	4.10	53	734810	266.233	ug/l	98
16) Acetone	3.18	43	511649	255.913	ug/l	96
17) Carbon Disulfide	3.33	76	1307345	51.566	ug/l	100
18) Methyl Acetate	3.57	43	227874	53.454	ug/l	99
19) Methyl tert-butyl Ether	4.14	73	1225354	52.100	ug/l	99
20) Methylene Chloride	3.74	84	902108	50.865	ug/l	96
21) trans-1,2-Dichloroethene	4.11	96	902283	51.737	ug/l	99
22) Diisopropyl ether	4.87	45	2942022	52.398	ug/l	96
23) Vinyl Acetate	4.82	43	7419422	265.564	ug/l	99
24) 1,1-Dichloroethane	4.77	63	1450032	50.361	ug/l	99
25) 2-Butanone	5.64	43	1070393	257.573	ug/l	99
26) 2,2-Dichloropropane	5.61	77	1168105	52.182	ug/l	99
27) cis-1,2-Dichloroethene	5.61	96	943224	51.916	ug/l	97
28) Bromochloromethane	5.94	49	644873	50.761	ug/l	96
29) Tetrahydrofuran	5.97	42	573718	261.853	ug/l	99
30) Chloroform	6.12	83	1473910	51.206	ug/l	98
31) Cyclohexane	6.39	56	1349479	49.037	ug/l	100
32) 1,1,1-Trichloroethane	6.31	97	1263425	52.108	ug/l	99
36) 1,1-Dichloropropene	6.54	75	1124618	51.963	ug/l	98
37) Ethyl Acetate	5.72	43	572005	57.435	ug/l	99
38) Carbon Tetrachloride	6.51	117	1051361	52.367	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.06	83	1304546	52.407	ug/l	98
40) Benzene	6.81	78	2888742	52.289	ug/l	99
41) Methacrylonitrile	5.96	41	623208	54.673	ug/l #	96
42) 1,2-Dichloroethane	6.91	62	757909	52.413	ug/l	97
43) Isopropyl Acetate	8.36	43	684169	54.690	ug/l #	98
44) Trichloroethene	7.75	130	891959	53.261	ug/l	98
45) 1,2-Dichloropropane	8.12	63	732767	52.592	ug/l	98
46) Dibromomethane	8.24	93	439305	53.834	ug/l	97
47) Bromodichloromethane	8.51	83	1007747	52.406	ug/l	99
48) Methyl methacrylate	8.27	41	414452	54.542	ug/l	97
49) 1,4-Dioxane	8.25	88	73391	1116.259	ug/l	94
51) 4-Methyl-2-Pentanone	9.36	43	2129678	261.559	ug/l	98
52) Toluene	9.57	92	1876800	53.182	ug/l	98
53) t-1,3-Dichloropropene	9.94	75	888622	54.692	ug/l	99
54) cis-1,3-Dichloropropene	9.12	75	1133836	54.409	ug/l	96
55) 1,1,2-Trichloroethane	10.20	97	529762	51.793	ug/l	97
56) Ethyl methacrylate	10.05	69	520949	55.394	ug/l	99
57) 1,3-Dichloropropane	10.40	76	801796	51.444	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.95	63	1445878	254.269	ug/l	95
59) 2-Hexanone	10.50	43	1631306	281.100	ug/l	100
60) Dibromochloromethane	10.66	129	685171	55.107	ug/l	100
61) 1,2-Dibromoethane	10.78	107	550517	53.718	ug/l	99
64) Tetrachloroethene	10.27	164	796913	53.742	ug/l	96
65) Chlorobenzene	11.33	112	1938534	53.864	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.44	131	645487	54.816	ug/l	96
67) Ethyl Benzene	11.44	91	3221703	52.329	ug/l	99
68) m/p-Xylenes	11.58	106	2495939	109.903	ug/l	97
69) o-Xylene	11.95	106	1195960	54.509	ug/l	96
70) Styrene	11.97	104	1970302	55.567	ug/l	99
71) Bromoform	12.12	173	463560	58.584	ug/l #	97
73) Isopropylbenzene	12.29	105	3291668	51.997	ug/l	97
74) N-amyl acetate	12.14	43	909422	56.033	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	554589	53.567	ug/l	98
76) 1,2,3-Trichloropropane	12.61	75	563363	54.201	ug/l	99
77) Bromobenzene	12.56	156	873476	51.945	ug/l	89
78) n-propylbenzene	12.65	91	4111063	52.028	ug/l	99
79) 2-Chlorotoluene	12.71	91	2266624	52.375	ug/l	97
80) 1,3,5-Trimethylbenzene	12.80	105	2556720	51.968	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.35	75	163387	55.214	ug/l	92
82) 4-Chlorotoluene	12.82	91	2509564	51.623	ug/l	91
83) tert-Butylbenzene	13.06	119	2925357	53.558	ug/l	97
84) 1,2,4-Trimethylbenzene	13.11	105	2601523	52.948	ug/l	95
85) sec-Butylbenzene	13.24	105	3385073	50.514	ug/l	95
86) p-Isopropyltoluene	13.35	119	2842239	52.668	ug/l	99
87) 1,3-Dichlorobenzene	13.32	146	1587289	53.056	ug/l	96
88) 1,4-Dichlorobenzene	13.40	146	1528152	52.301	ug/l	97
89) n-Butylbenzene	13.66	91	2765873	53.294	ug/l	99
90) Hexachloroethane	13.87	117	690354	53.950	ug/l	94
91) 1,2-Dichlorobenzene	13.67	146	1269164	51.648	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.24	75	67140	53.723	ug/l	95

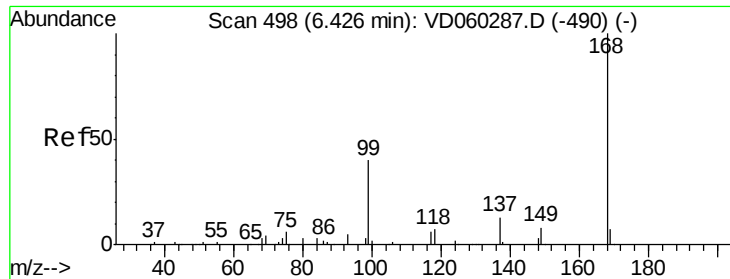
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD110618\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.80	180	1036430	53.196	ug/l	98
94) Hexachlorobutadiene	14.89	225	740363	50.804	ug/l	99
95) Naphthalene	14.98	128	1279355	53.776	ug/l	100
96) 1,2,3-Trichlorobenzene	15.13	180	833876	53.411	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.43 min Scan# 498

Delta R.T. 0.00 min

Lab File: VD060290.D

Acq: 6 Nov 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

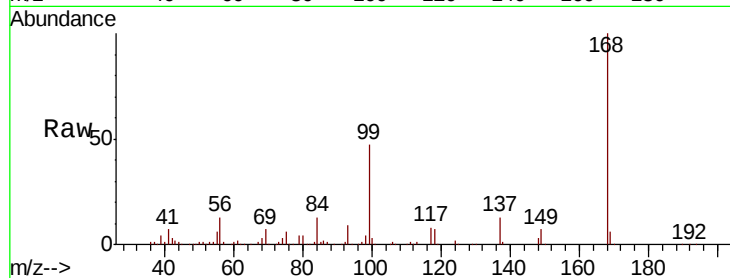
ICVVD110618

Tot Ion:168 Resp: 1609743

Ion Ratio Lower Upper

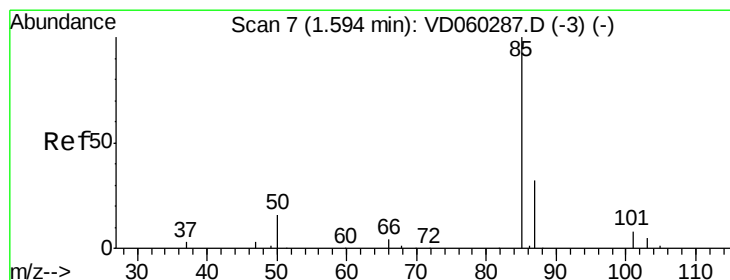
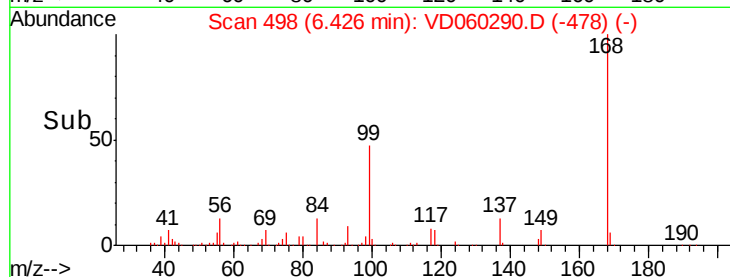
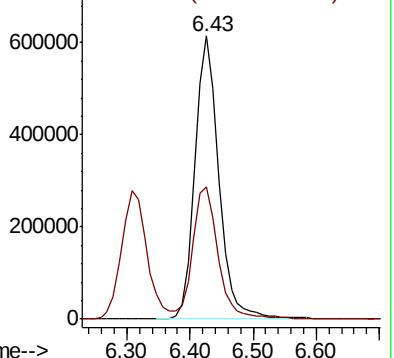
168 100

99 46.9 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 52.696 ug/l

RT: 1.59 min Scan# 7

Delta R.T. 0.00 min

Lab File: VD060290.D

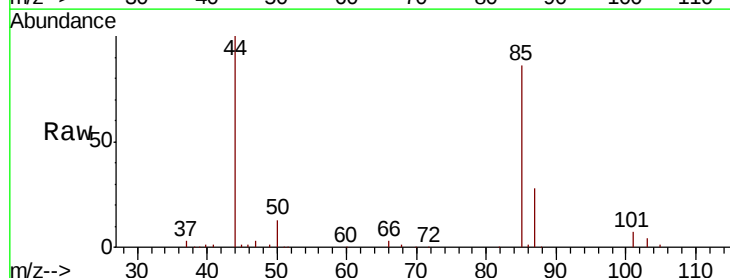
Acq: 6 Nov 2018 14:08

Tgt Ion: 85 Resp: 662241

Ion Ratio Lower Upper

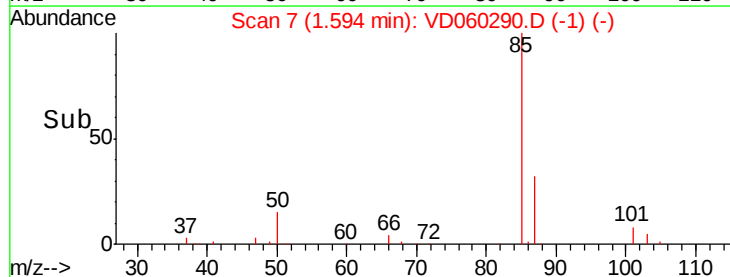
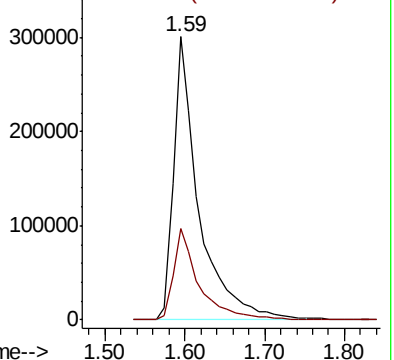
85 100

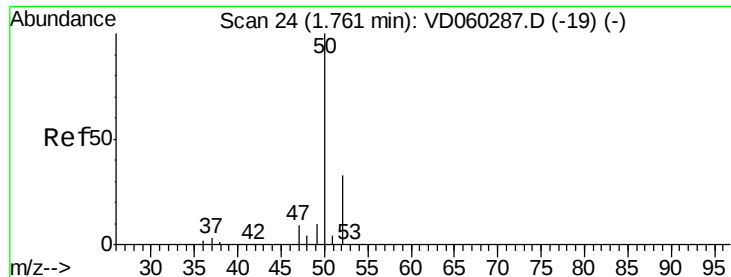
87 32.3 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 48.912 ug/l

RT: 1.76 min Scan# 24

Delta R.T. 0.00 min

Lab File: VD060290.D

Acq: 6 Nov 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

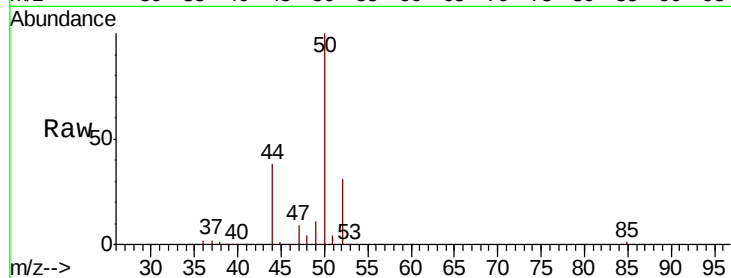
ICVVD110618

Tot Ion: 50 Resp: 745812

Ion Ratio Lower Upper

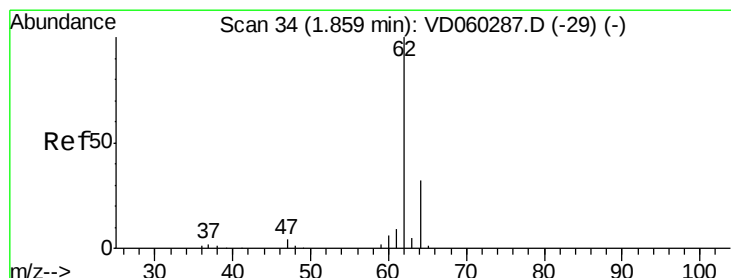
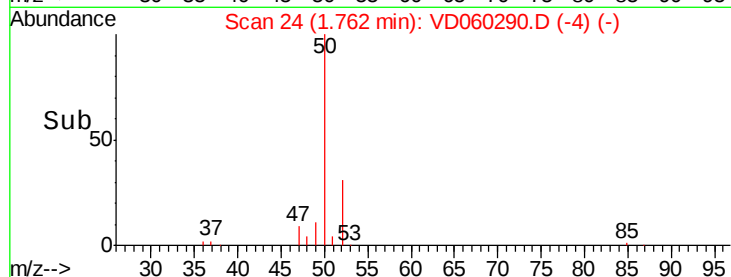
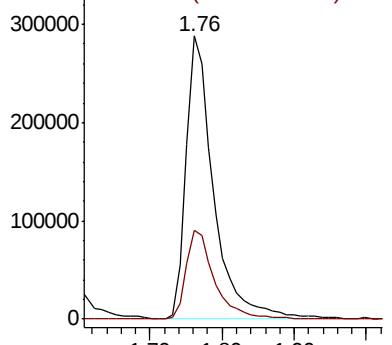
50 100

52 31.3 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: 48.698 ug/l

RT: 1.86 min Scan# 34

Delta R.T. 0.00 min

Lab File: VD060290.D

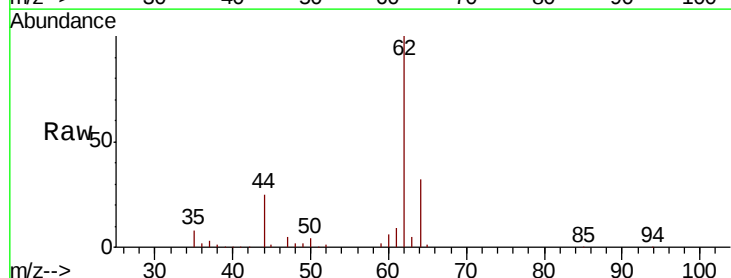
Acq: 6 Nov 2018 14:08

Tgt Ion: 62 Resp: 606416

Ion Ratio Lower Upper

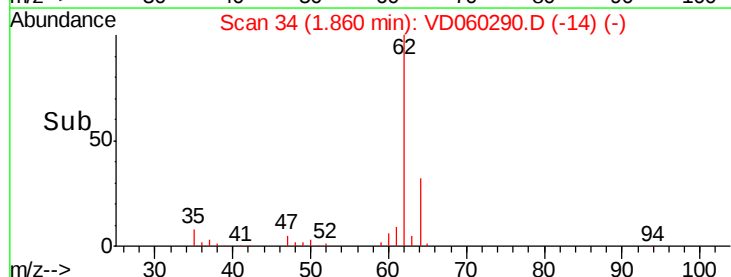
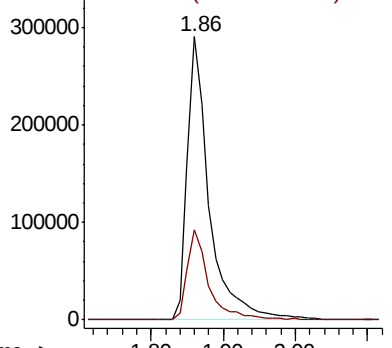
62 100

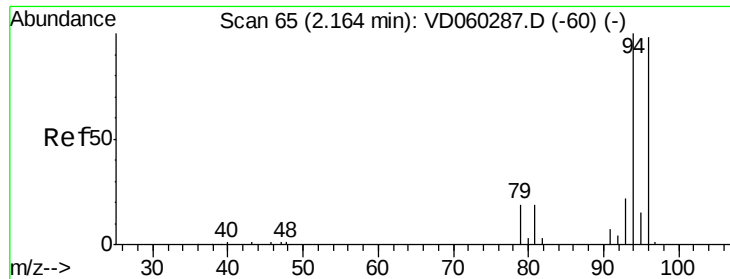
64 32.1 24.9 37.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 61.080 ug/l

RT: 2.17 min Scan# 65

Delta R.T. 0.00 min

Lab File: VD060290.D

Acq: 6 Nov 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

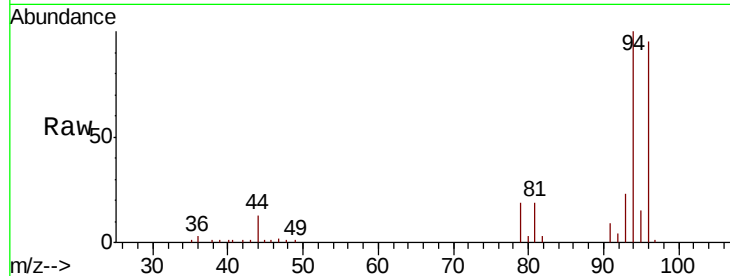
ICVVD110618

Tot Ion: 94 Resp: 180454

Ion Ratio Lower Upper

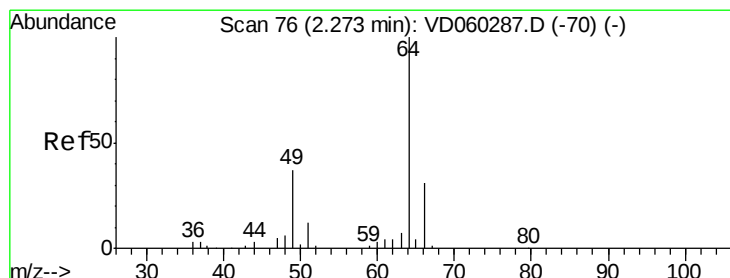
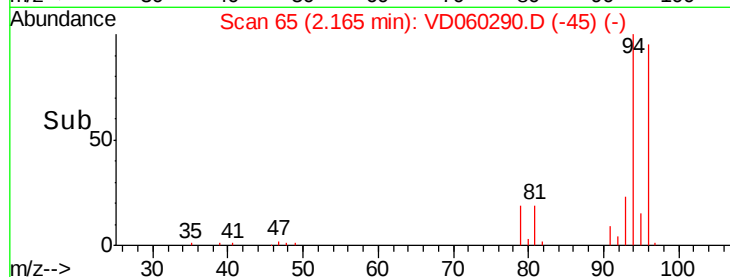
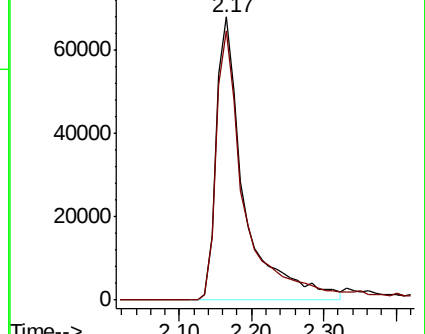
94 100

96 95.0 76.6 114.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 56.577 ug/l

RT: 2.27 min Scan# 76

Delta R.T. 0.00 min

Lab File: VD060290.D

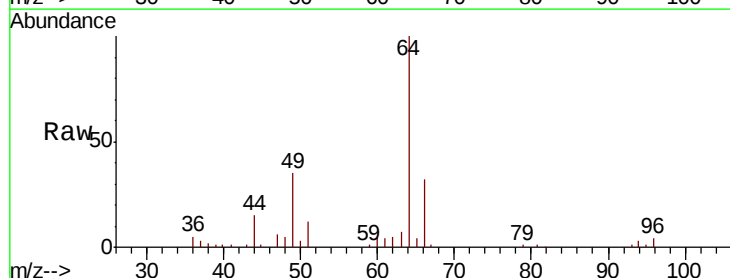
Acq: 6 Nov 2018 14:08

Tgt Ion: 64 Resp: 233764

Ion Ratio Lower Upper

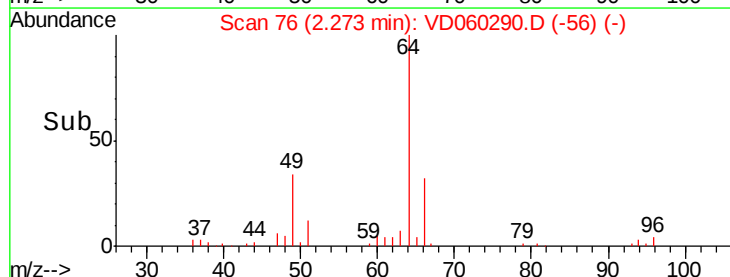
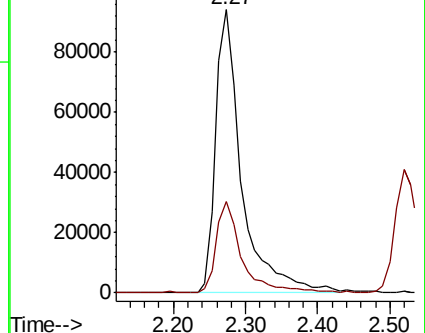
64 100

66 32.4 26.6 40.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



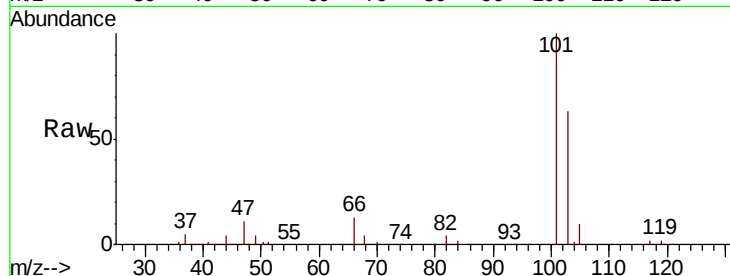


#7

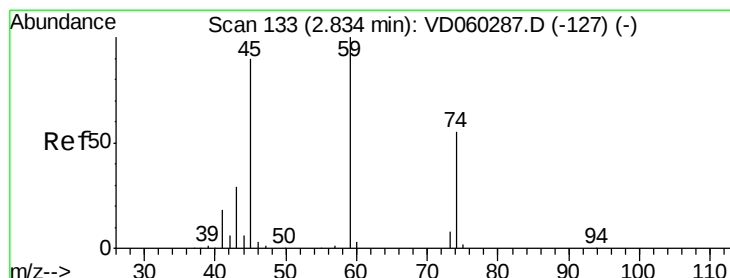
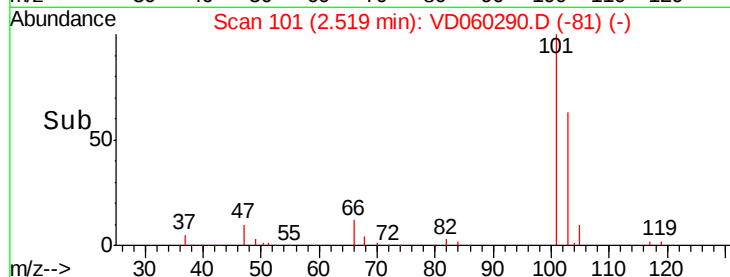
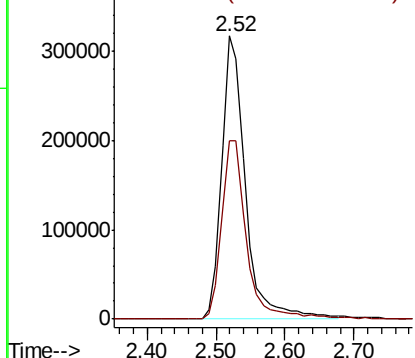
Trichlorofluoromethane
 Concen: 51.589 ug/l
 RT: 2.52 min Scan# 101
 Delta R.T. 0.00 min
 Lab File: VD060290.D
 Acq: 6 Nov 2018 14:08

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD110618

Tot Ion:101 Resp: 757403
 Ion Ratio Lower Upper
 101 100
 103 63.0 53.6 80.4



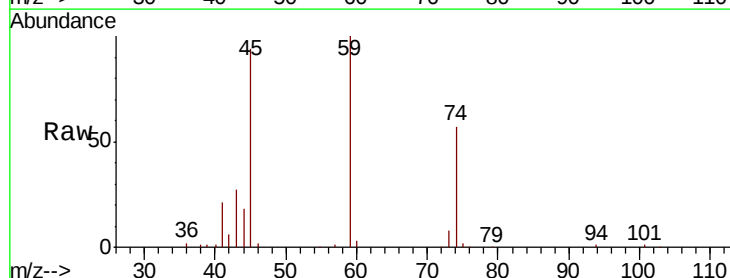
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



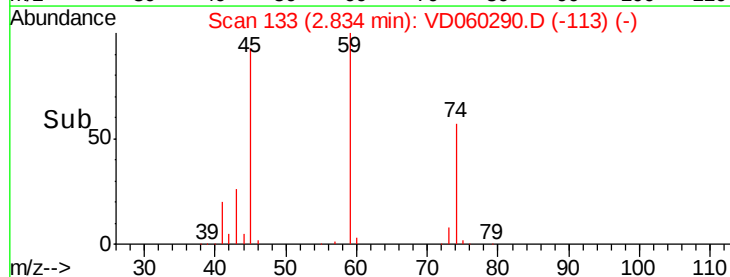
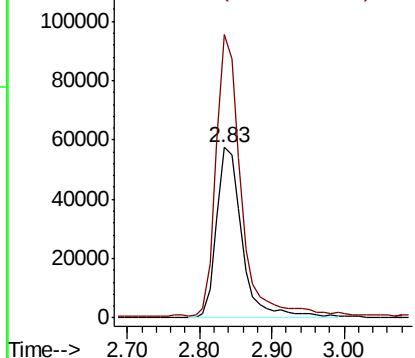
#8

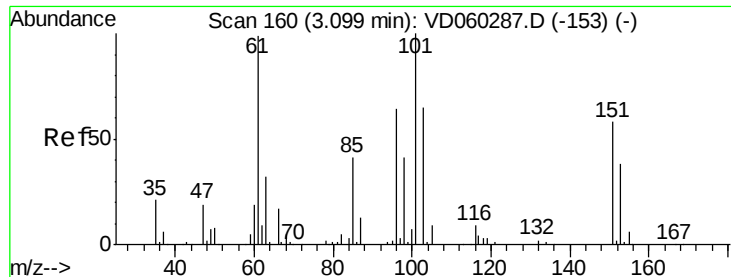
Diethyl Ether
 Concen: 53.248 ug/l
 RT: 2.83 min Scan# 133
 Delta R.T. 0.00 min
 Lab File: VD060290.D
 Acq: 6 Nov 2018 14:08

Tgt Ion: 74 Resp: 141536
 Ion Ratio Lower Upper
 74 100
 45 165.8 84.8 254.4



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.134 ug/l

RT: 3.11 min Scan# 161

Delta R.T. 0.01 min

Lab File: VD060290.D

Acq: 6 Nov 2018 14:08

Instrument :

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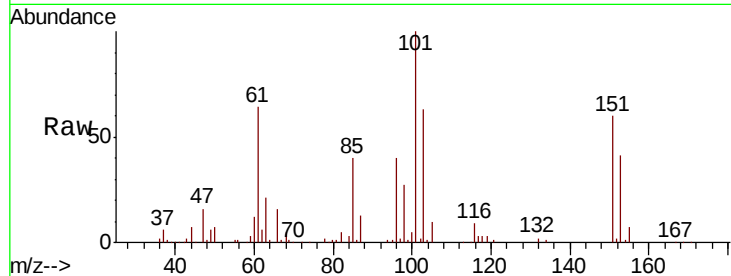
Tot Ion:101 Resp: 493765

Ion Ratio Lower Upper

101 100

85 40.2 31.4 47.0

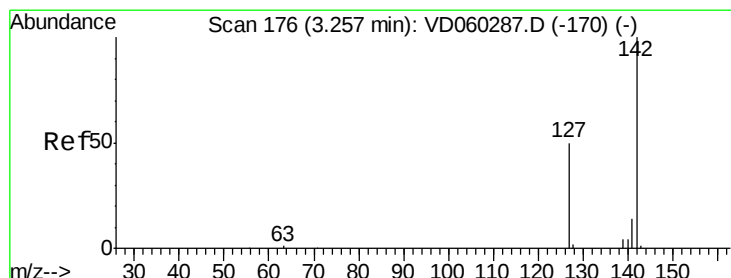
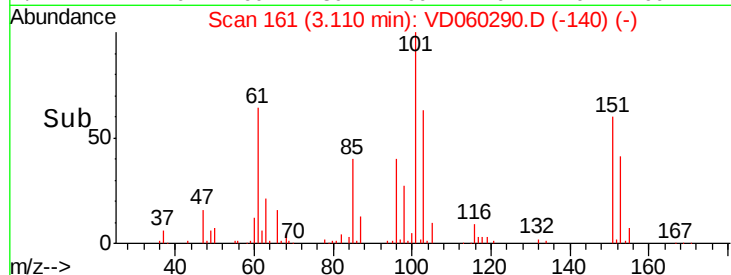
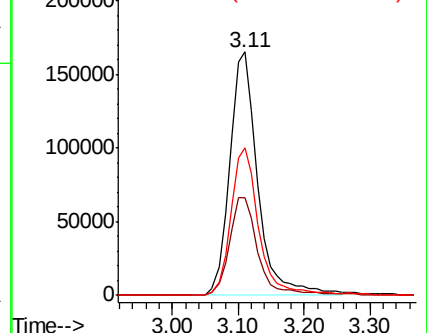
151 60.5 47.4 71.0



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: 49.572 ug/l

RT: 3.26 min Scan# 176

Delta R.T. 0.00 min

Lab File: VD060290.D

Acq: 6 Nov 2018 14:08

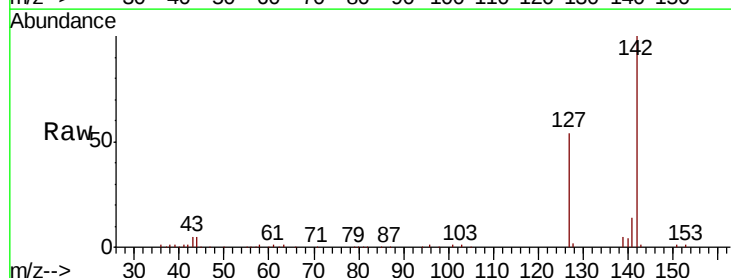
Tgt Ion:142 Resp: 621716

Ion Ratio Lower Upper

142 100

127 53.6 41.0 61.6

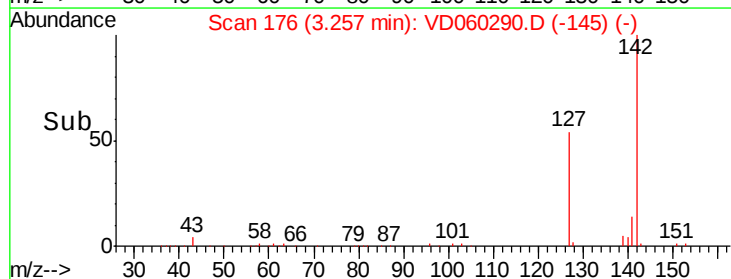
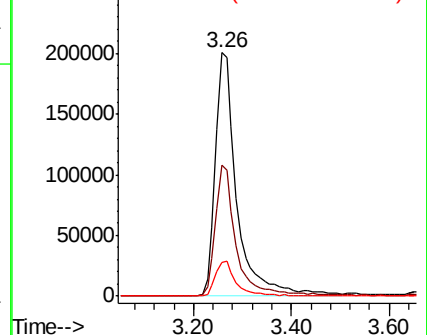
141 14.0 11.9 17.9

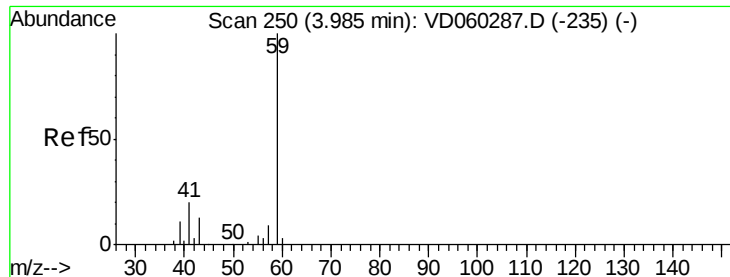


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



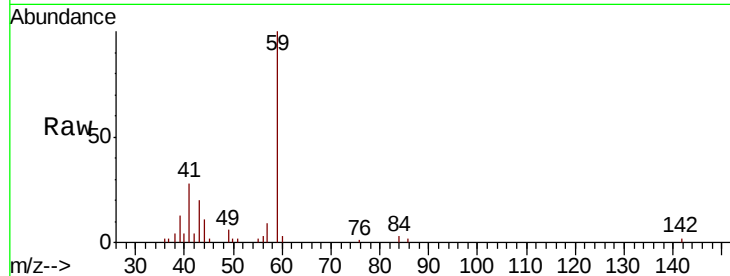


#11

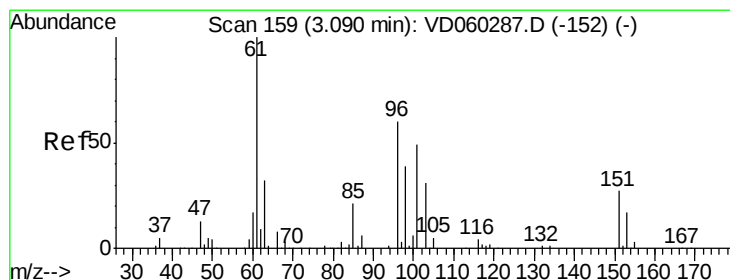
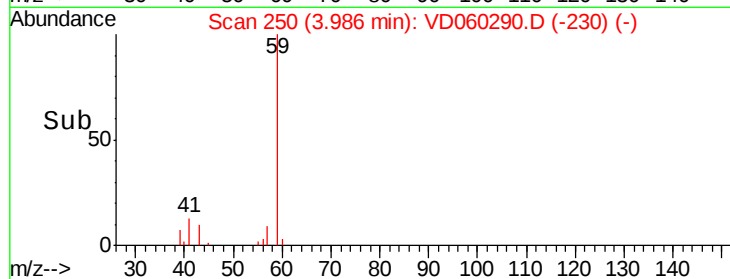
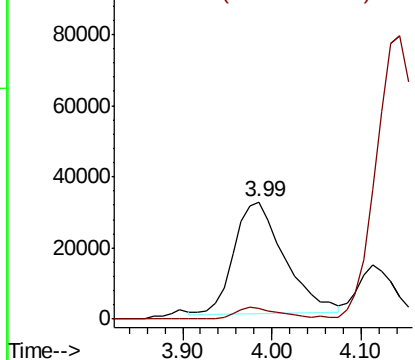
Tert butyl alcohol
Concen: 260.061 ug/l
RT: 3.99 min Scan# 250
Delta R.T. 0.00 min
Lab File: VD060290.D
Acq: 6 Nov 2018 14:08

Instrument :
MSVOA_D
ClientSampleId :
ICVVD110618

Tot Ion: 59 Resp: 123087
Ion Ratio Lower Upper
59 100
57 9.0 9.3 13.9#



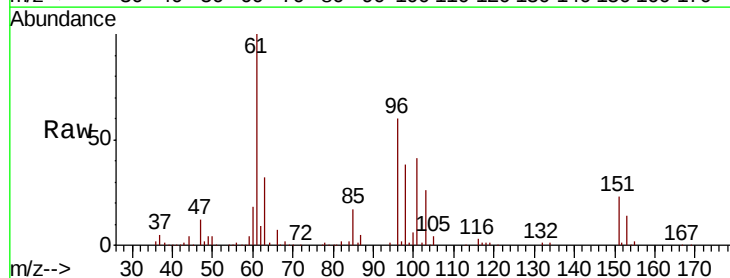
Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC



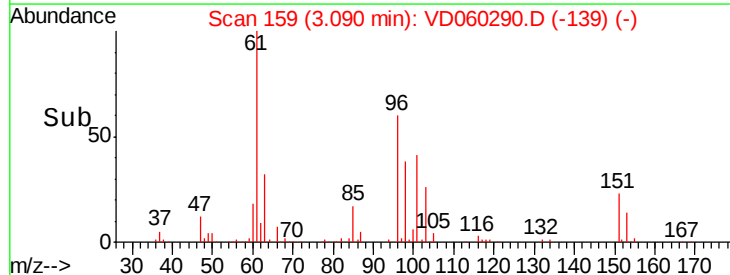
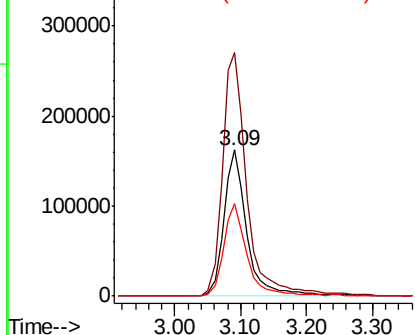
#12

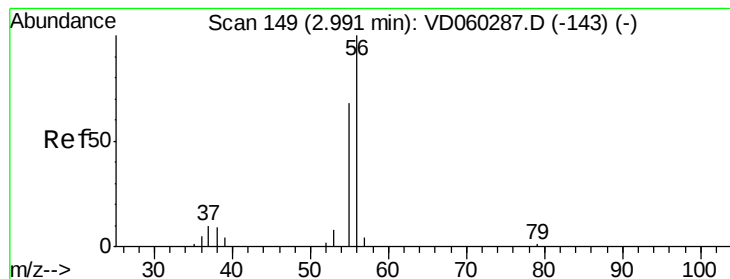
1,1-Dichloroethene
Concen: 50.419 ug/l
RT: 3.09 min Scan# 159
Delta R.T. 0.00 min
Lab File: VD060290.D
Acq: 6 Nov 2018 14:08

Tgt Ion: 96 Resp: 396022
Ion Ratio Lower Upper
96 100
61 167.1 142.2 213.4
98 63.5 52.6 79.0



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





#13

Acrolein

Concen: 253.818 ug/l

RT: 2.99 min Scan# 149

Delta R.T. 0.00 min

Lab File: VD060290.D

Acq: 6 Nov 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

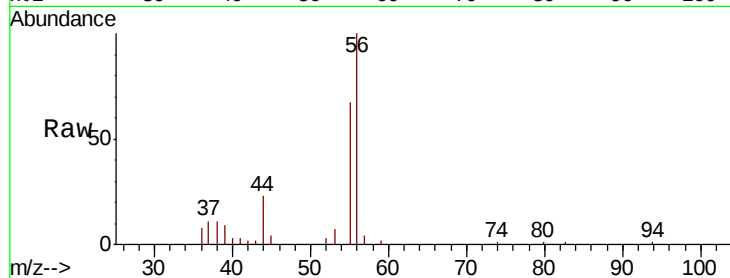
ICVVD110618

Tot Ion: 56 Resp: 141949

Ion Ratio Lower Upper

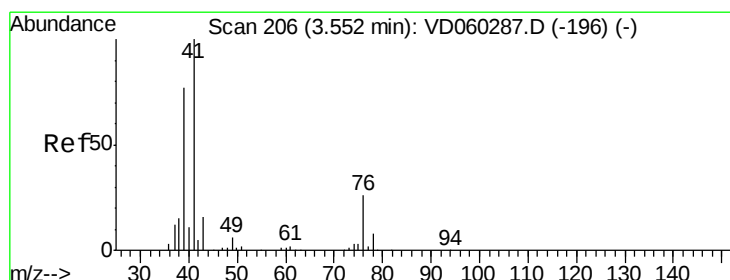
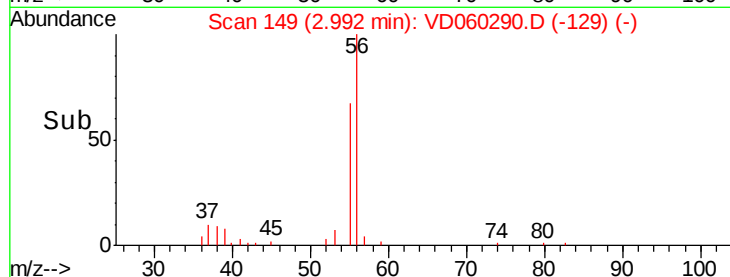
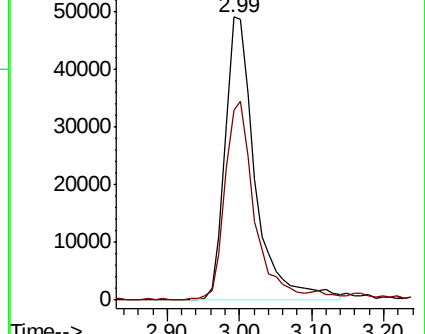
56 100

55 67.3 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: 52.638 ug/l

RT: 3.55 min Scan# 206

Delta R.T. 0.00 min

Lab File: VD060290.D

Acq: 6 Nov 2018 14:08

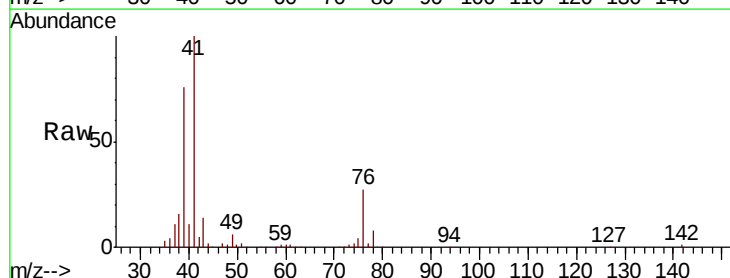
Tgt Ion: 41 Resp: 791087

Ion Ratio Lower Upper

41 100

39 76.1 60.4 90.6

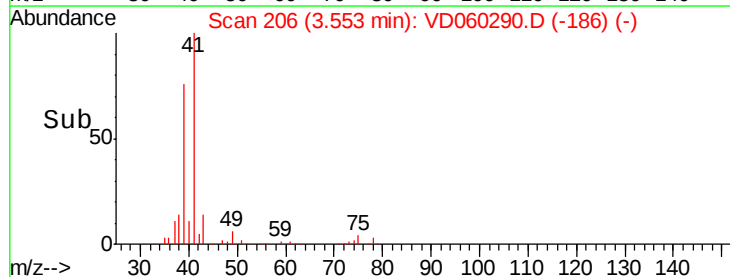
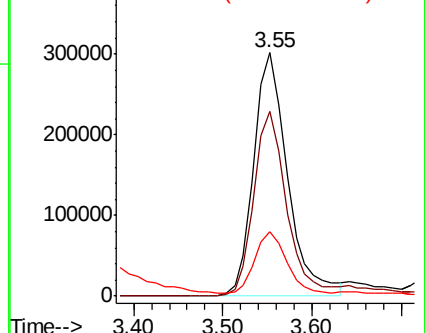
76 26.6 21.8 32.8

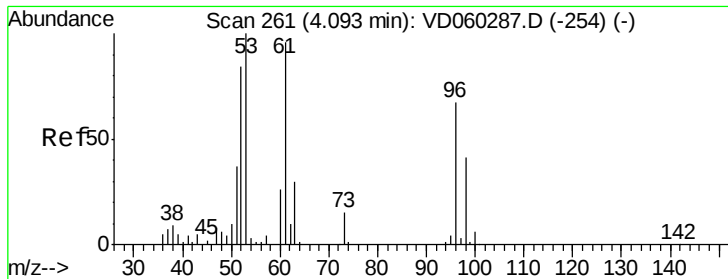


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 266.233 ug/l

RT: 4.10 min Scan# 262

Delta R.T. 0.01 min

Lab File: VD060290.D

Acq: 6 Nov 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

ICVVD110618

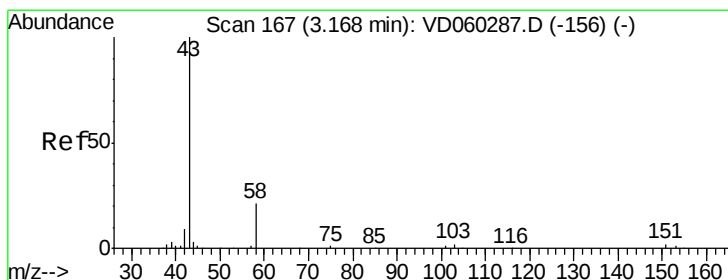
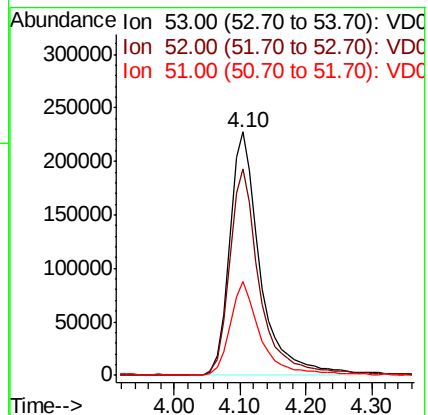
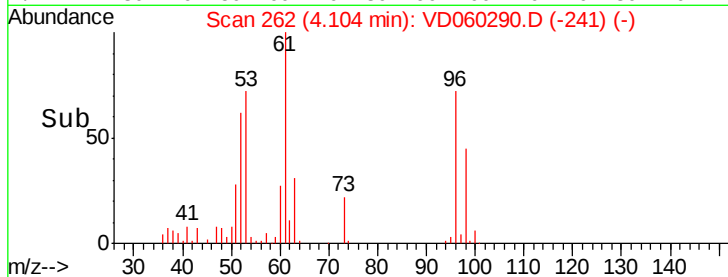
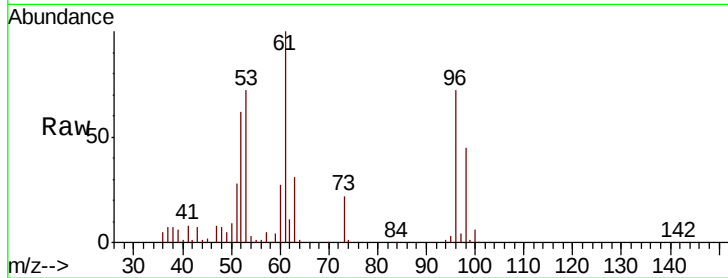
Tot Ion: 53 Resp: 734810

Ion Ratio Lower Upper

53 100

52 85.0 67.0 100.4

51 38.8 29.9 44.9



#16

Acetone

Concen: 255.913 ug/l

RT: 3.18 min Scan# 168

Delta R.T. 0.01 min

Lab File: VD060290.D

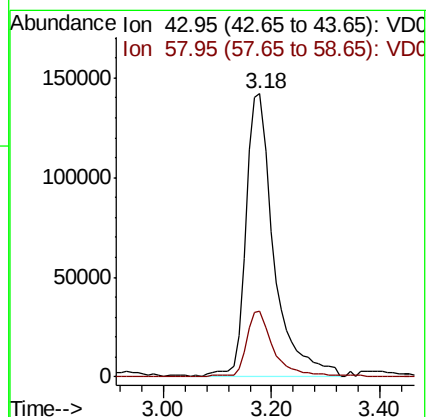
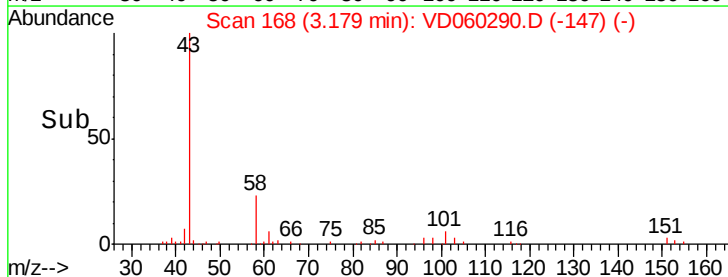
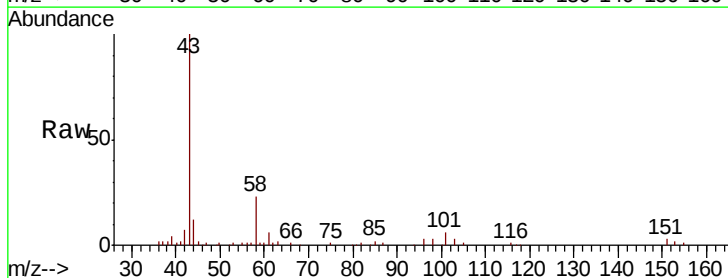
Acq: 6 Nov 2018 14:08

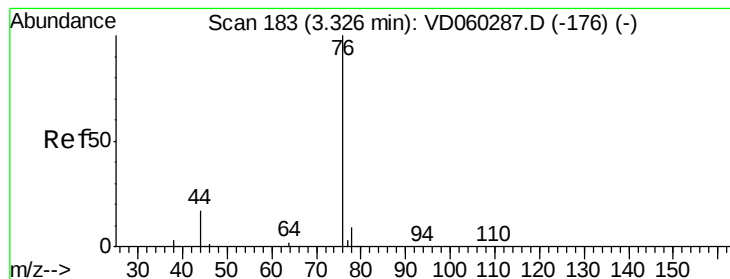
Tgt Ion: 43 Resp: 511649

Ion Ratio Lower Upper

43 100

58 23.1 16.9 25.3





#17

Carbon Disulfide

Concen: 51.566 ug/l

RT: 3.33 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD060290.D

Acq: 6 Nov 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

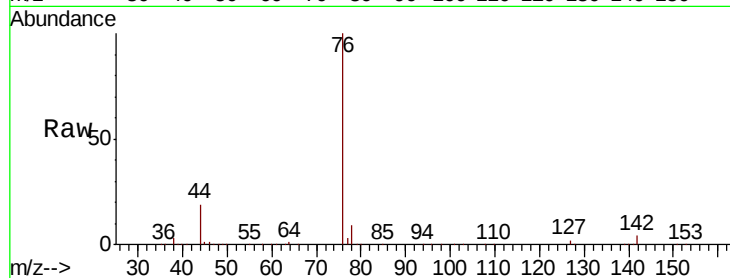
ICVVD110618

Tot Ion: 76 Resp: 1307345

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.4



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.33

500000

400000

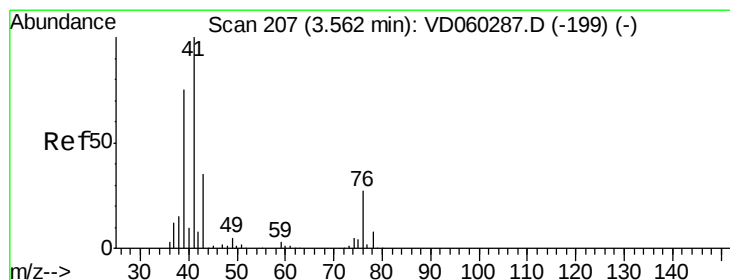
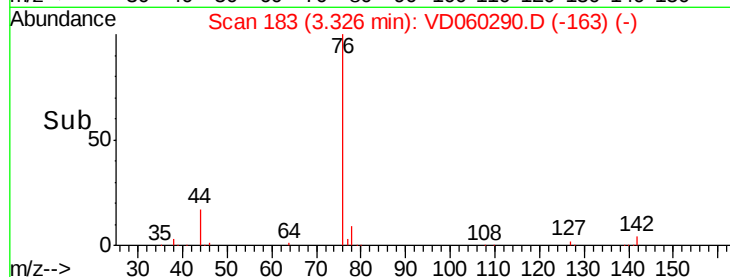
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 53.454 ug/l

RT: 3.57 min Scan# 208

Delta R.T. 0.01 min

Lab File: VD060290.D

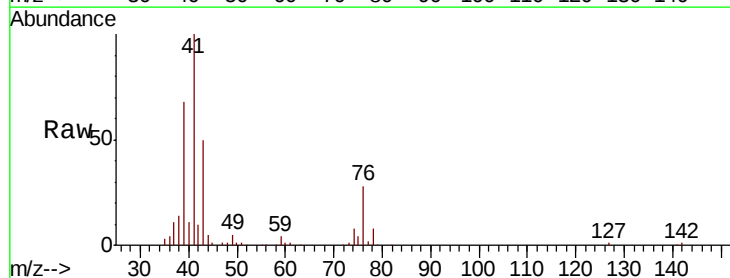
Acq: 6 Nov 2018 14:08

Tgt Ion: 43 Resp: 227874

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

3.57

80000

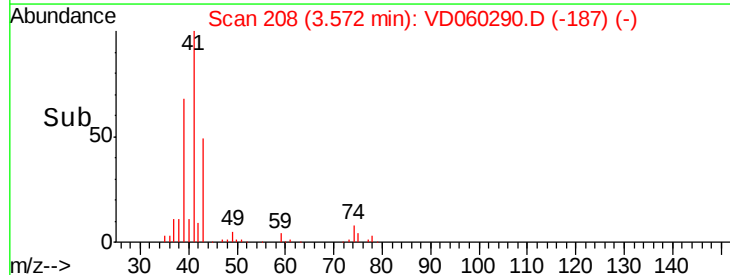
60000

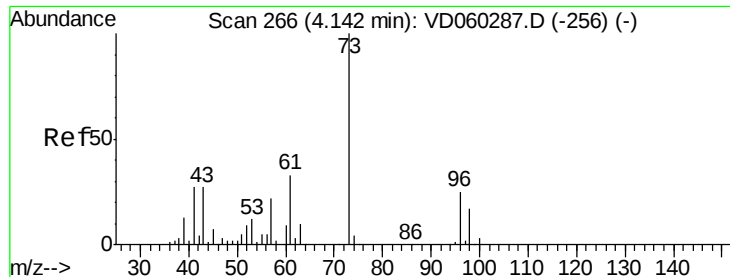
40000

20000

0

Time-->



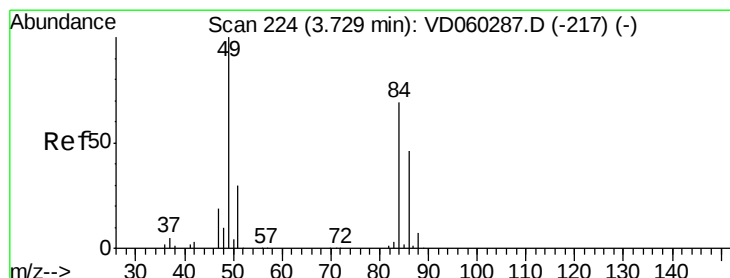
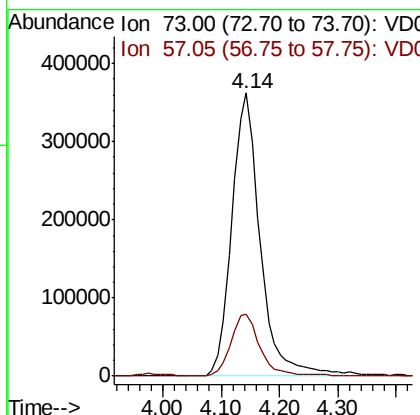
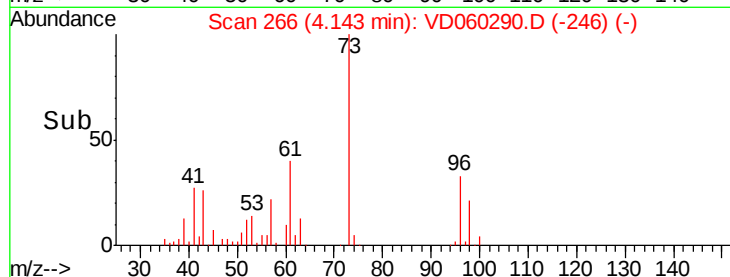
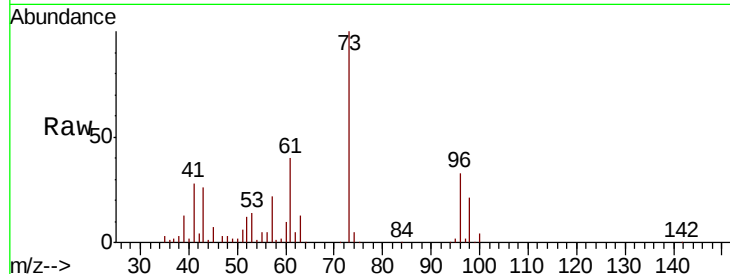


#19

Methyl tert-butyl Ether
 Concen: 52.100 ug/l
 RT: 4.14 min Scan# 266
 Delta R.T. 0.00 min
 Lab File: VD060290.D
 Acq: 6 Nov 2018 14:08

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD110618

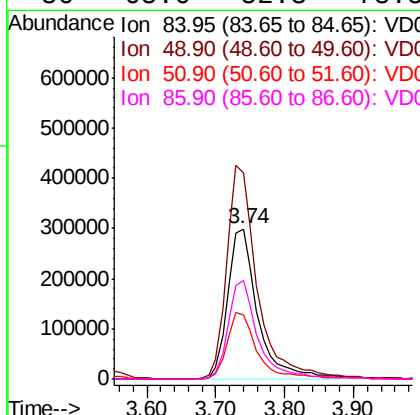
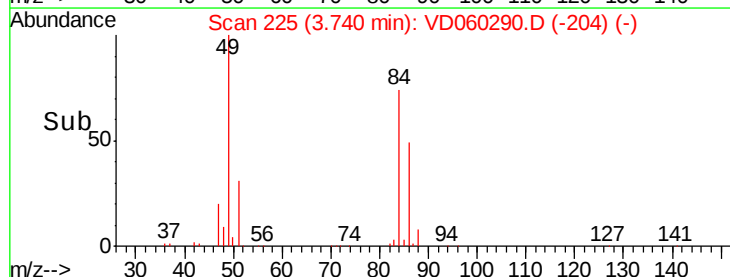
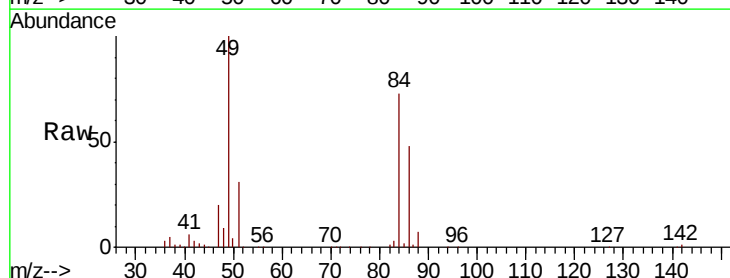
Tot Ion: 73 Resp: 1225354
 Ion Ratio Lower Upper
 73 100
 57 22.0 18.1 27.1

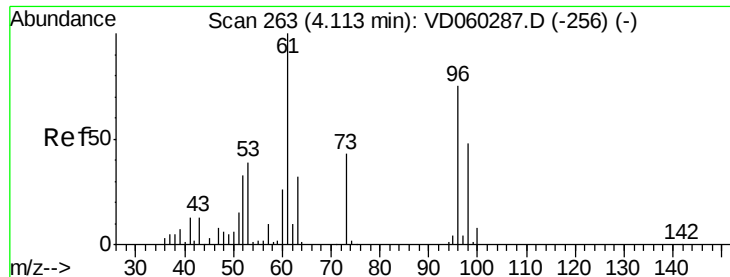


#20

Methylene Chloride
 Concen: 50.865 ug/l
 RT: 3.74 min Scan# 225
 Delta R.T. 0.01 min
 Lab File: VD060290.D
 Acq: 6 Nov 2018 14:08

Tgt Ion: 84 Resp: 902108
 Ion Ratio Lower Upper
 84 100
 49 136.9 115.6 173.4
 51 42.8 35.6 53.4
 86 65.6 52.3 78.5

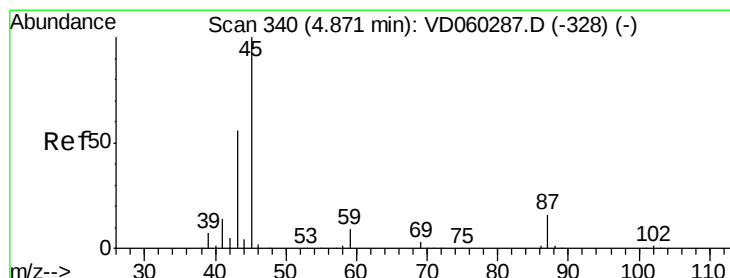
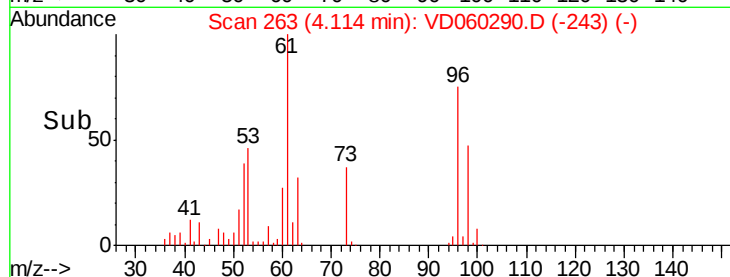
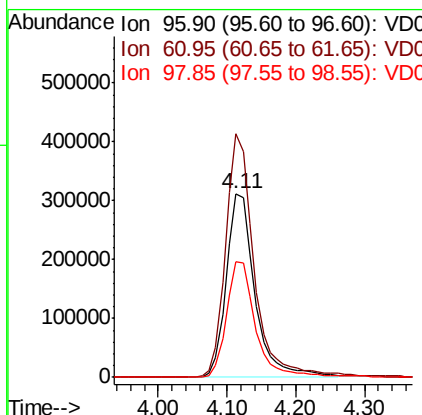
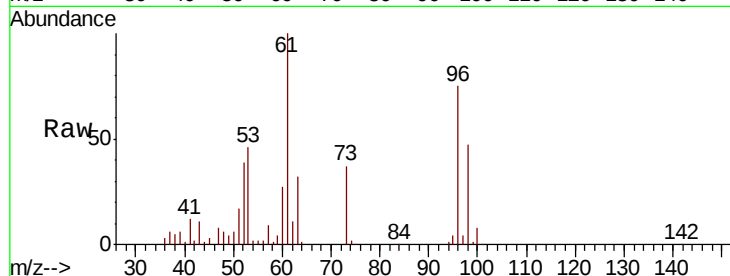




#21
trans-1,2-Dichloroethene
Concen: 51.737 ug/l
RT: 4.11 min Scan# 263
Delta R.T. 0.00 min
Lab File: VD060290.D
Acq: 6 Nov 2018 14:08

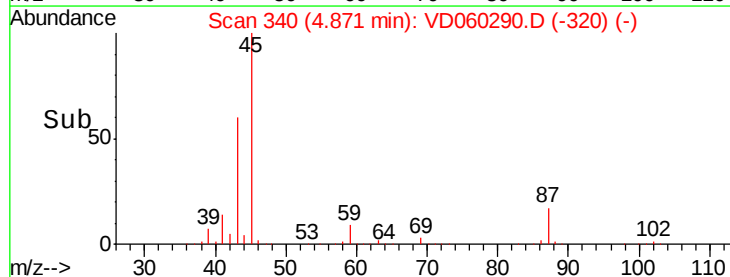
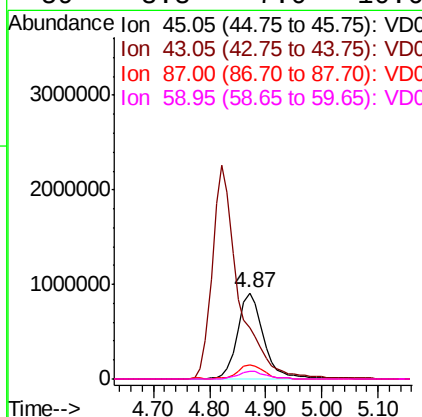
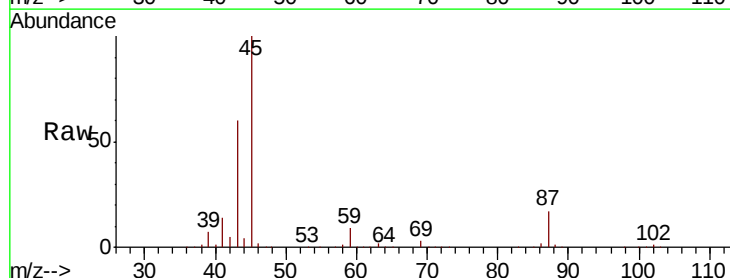
Instrument :
MSVOA_D
ClientSampleId :
ICVVD110618

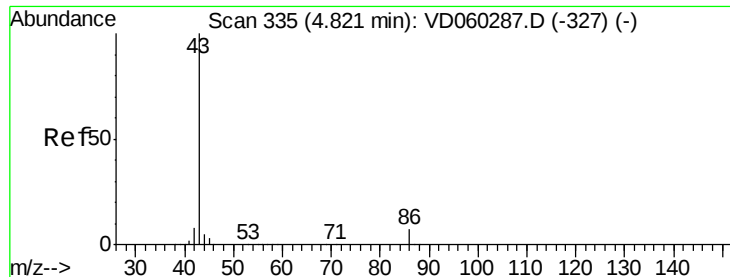
Tot Ion: 96 Resp: 902283
Ion Ratio Lower Upper
96 100
61 132.5 105.8 158.6
98 62.6 50.8 76.2



#22
Diisopropyl ether
Concen: 52.398 ug/l
RT: 4.87 min Scan# 340
Delta R.T. 0.00 min
Lab File: VD060290.D
Acq: 6 Nov 2018 14:08

Tgt Ion: 45 Resp: 2942022
Ion Ratio Lower Upper
45 100
43 60.3 44.9 67.3
87 16.8 13.9 20.9
59 8.8 7.0 10.6





#23

Vinyl Acetate

Concen: 265.564 ug/l

RT: 4.82 min Scan# 335

Delta R.T. 0.00 min

Lab File: VD060290.D

Acq: 6 Nov 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

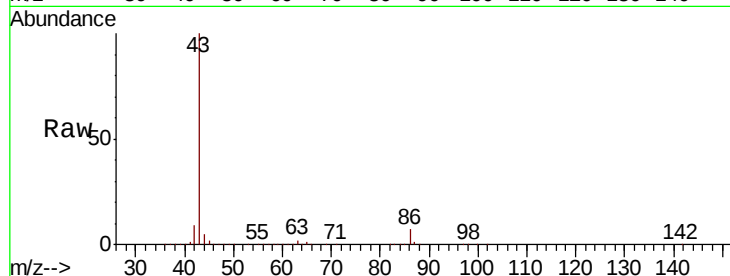
ICVVD110618

Tot Ion: 43 Resp: 7419422

Ion Ratio Lower Upper

43 100

86 6.7 5.7 8.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

2500000

2000000

1500000

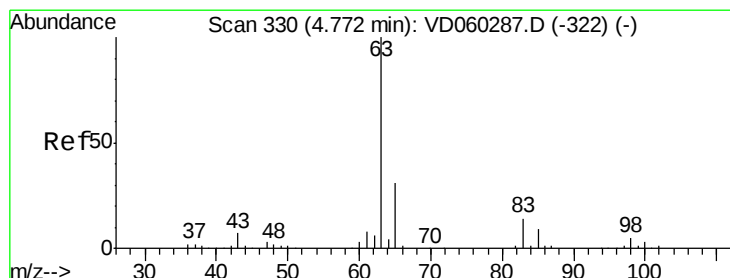
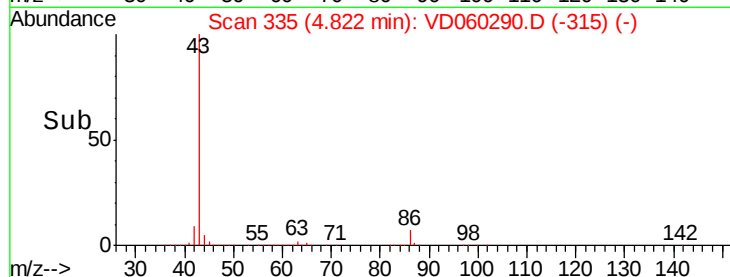
1000000

500000

0

4.70 4.80 4.90 5.00

Time-->



#24

1,1-Dichloroethane

Concen: 50.361 ug/l

RT: 4.77 min Scan# 330

Delta R.T. 0.00 min

Lab File: VD060290.D

Acq: 6 Nov 2018 14:08

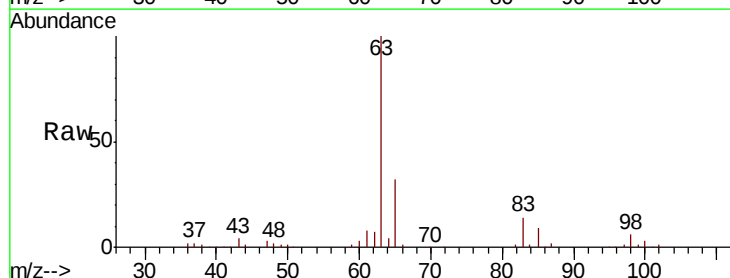
Tgt Ion: 63 Resp: 1450032

Ion Ratio Lower Upper

63 100

98 5.6 2.8 8.4

100 3.2 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

600000

500000

400000

300000

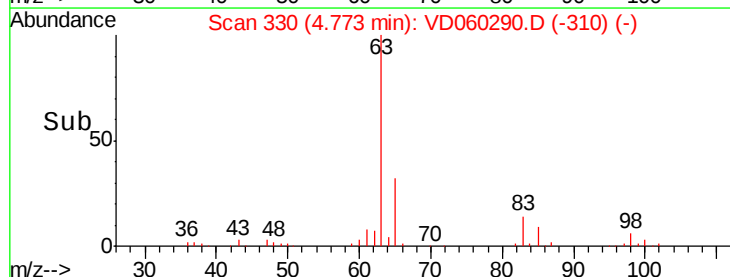
200000

100000

0

4.60 4.70 4.80 4.90 5.00

Time-->





#25

2-Butanone

Concen: 257.573 ug/l

RT: 5.64 min Scan# 418

Delta R.T. 0.00 min

Lab File: VD060290.D

Acq: 6 Nov 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

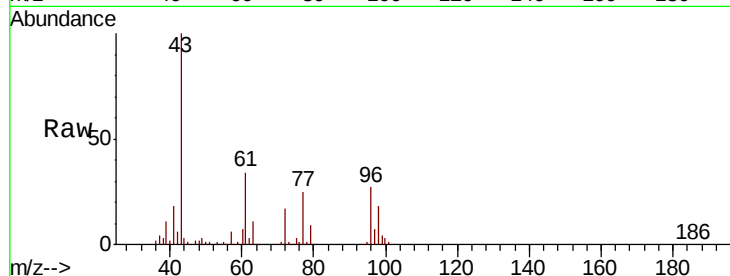
ICVVD110618

Tot Ion: 43 Resp: 1070393

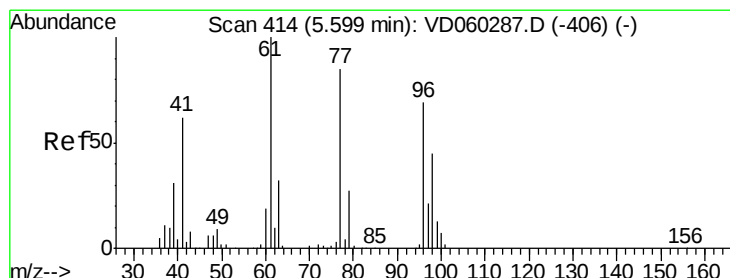
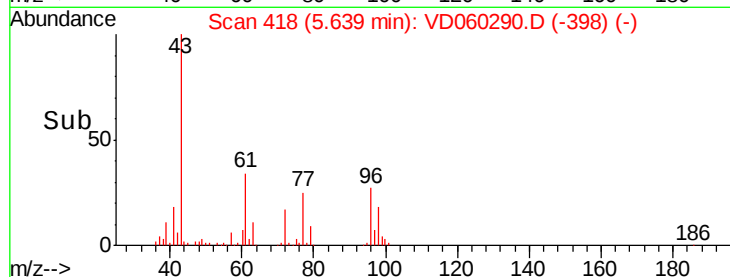
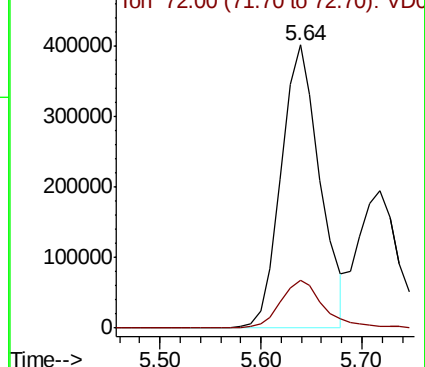
Ion Ratio Lower Upper

43 100

72 17.0 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC



#26

2,2-Dichloropropane

Concen: 52.182 ug/l

RT: 5.61 min Scan# 415

Delta R.T. 0.01 min

Lab File: VD060290.D

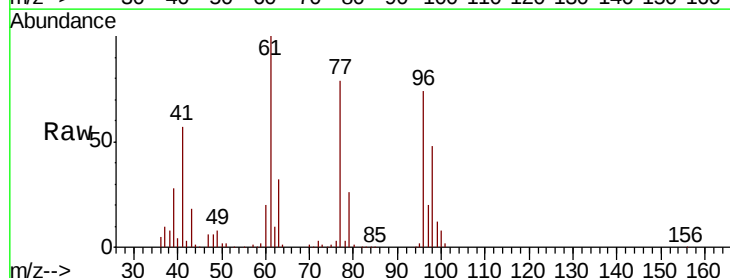
Acq: 6 Nov 2018 14:08

Tgt Ion: 77 Resp: 1168105

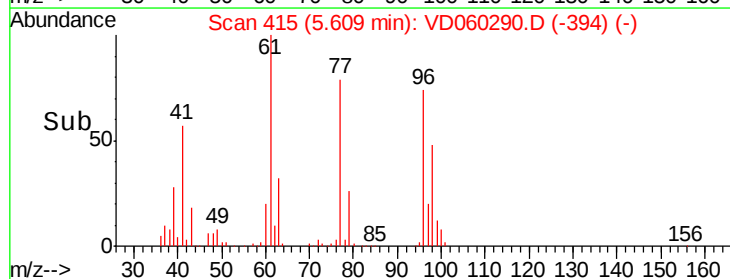
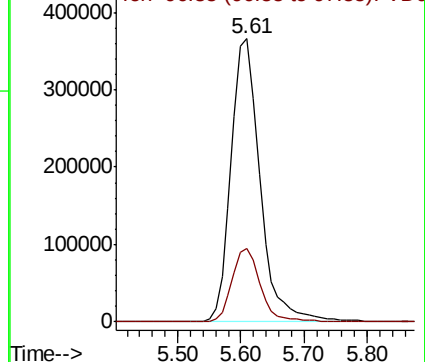
Ion Ratio Lower Upper

77 100

97 25.9 12.6 37.8



Abundance Ion 76.95 (76.65 to 77.65): VDC



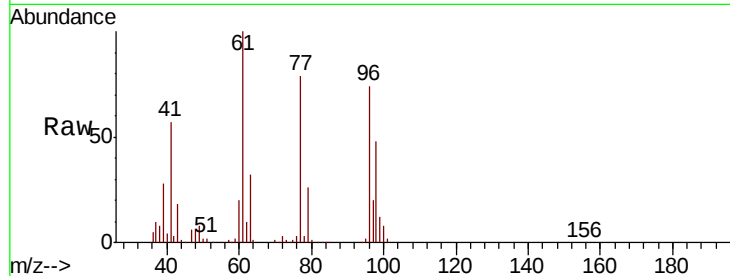


#27

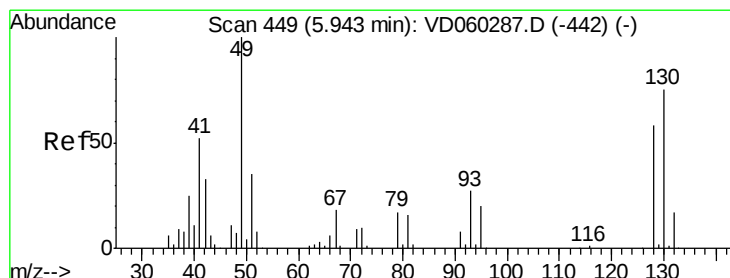
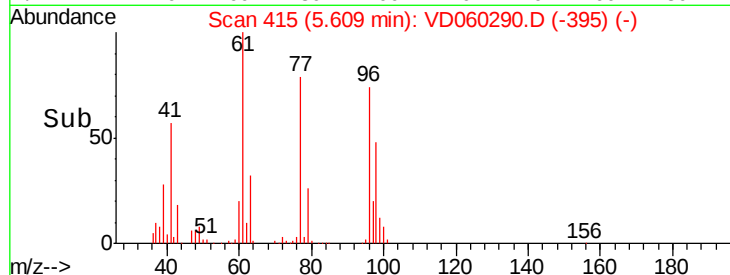
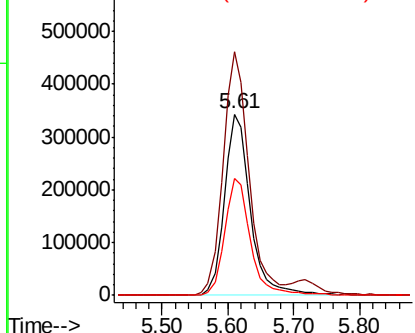
cis-1,2-Dichloroethene
 Concen: 51.916 ug/l
 RT: 5.61 min Scan# 415
 Delta R.T. 0.00 min
 Lab File: VD060290.D
 Acq: 6 Nov 2018 14:08

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD110618

Tot Ion: 96 Resp: 943224
 Ion Ratio Lower Upper
 96 100
 61 134.3 0.0 259.0
 98 64.8 0.0 128.8



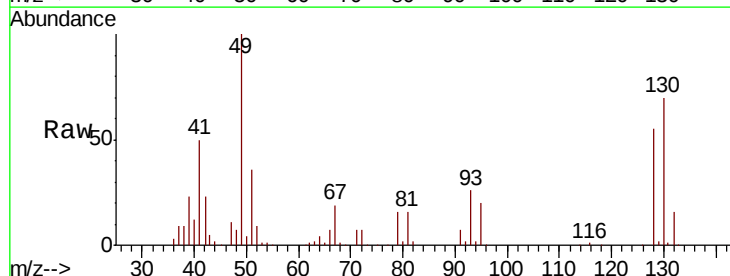
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



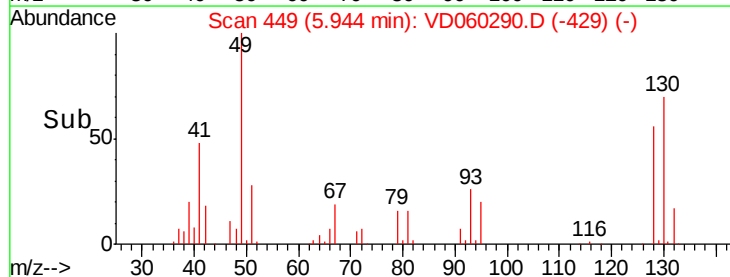
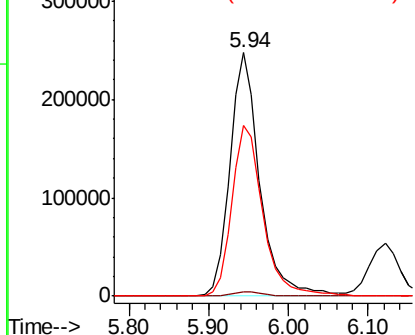
#28

Bromochloromethane
 Concen: 50.761 ug/l
 RT: 5.94 min Scan# 449
 Delta R.T. 0.00 min
 Lab File: VD060290.D
 Acq: 6 Nov 2018 14:08

Tgt Ion: 49 Resp: 644873
 Ion Ratio Lower Upper
 49 100
 129 1.6 0.0 2.8
 130 70.2 53.6 80.4



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





#29

Tetrahydrofuran

Concen: 261.853 ug/l

RT: 5.97 min Scan# 452

Delta R.T. 0.01 min

Lab File: VD060290.D

Acq: 6 Nov 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

ICVVD110618

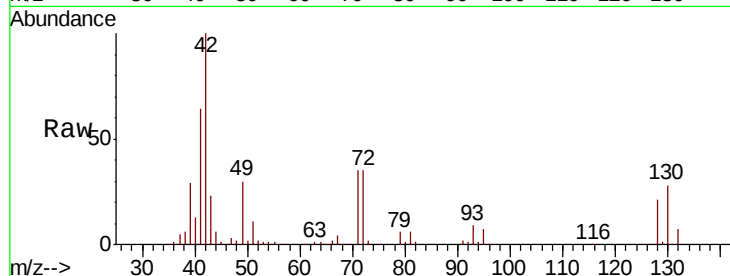
Tot Ion: 42 Resp: 573718

Ion Ratio Lower Upper

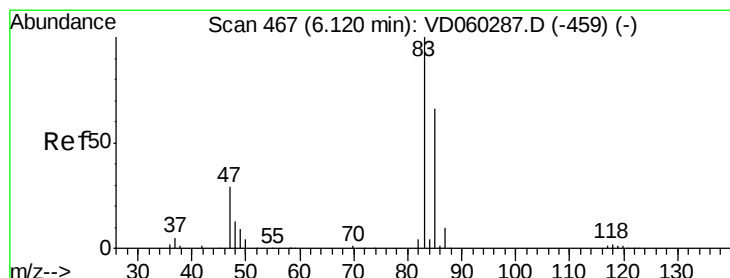
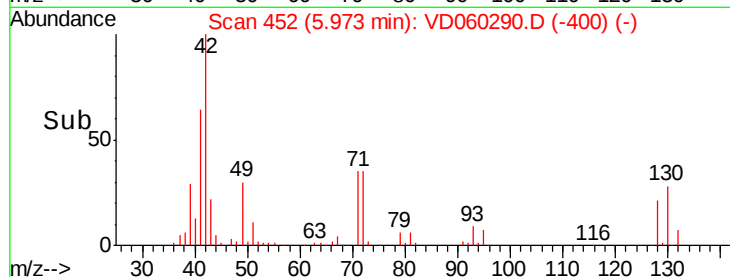
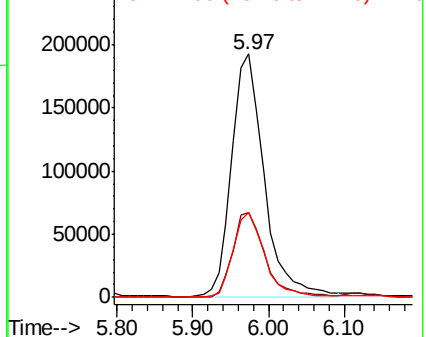
42 100

72 34.6 27.6 41.4

71 34.4 26.5 39.7



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



#30

Chloroform

Concen: 51.206 ug/l

RT: 6.12 min Scan# 467

Delta R.T. 0.00 min

Lab File: VD060290.D

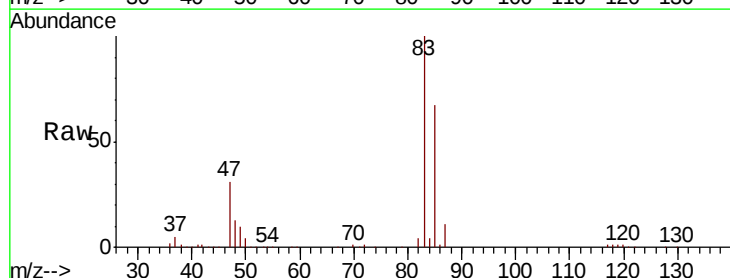
Acq: 6 Nov 2018 14:08

Tgt Ion: 83 Resp: 1473910

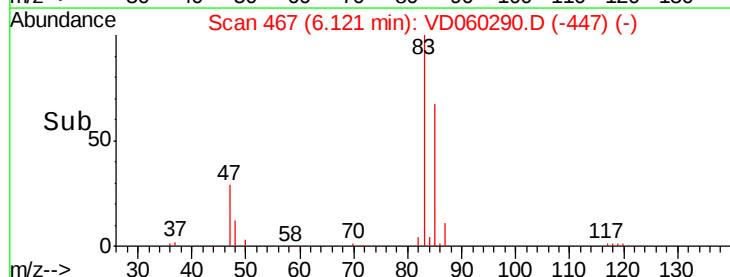
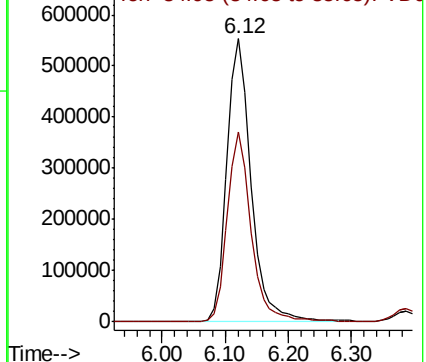
Ion Ratio Lower Upper

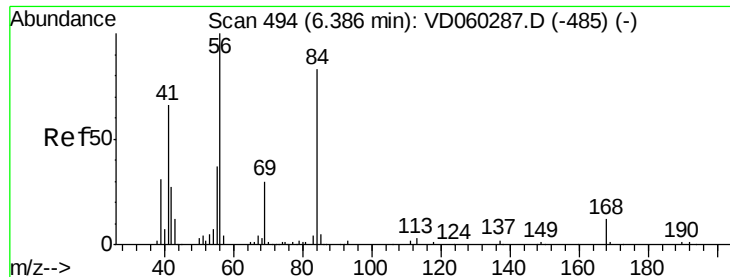
83 100

85 67.0 52.5 78.7



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC

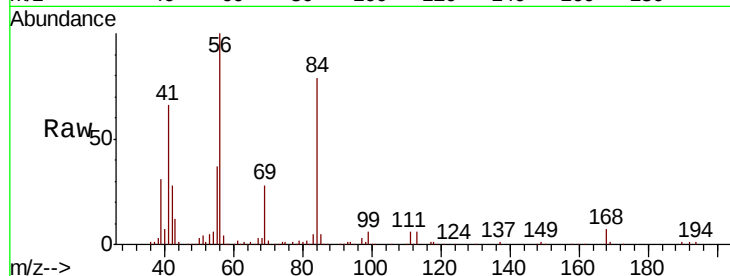




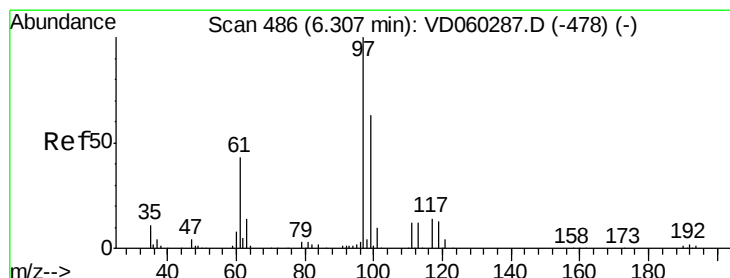
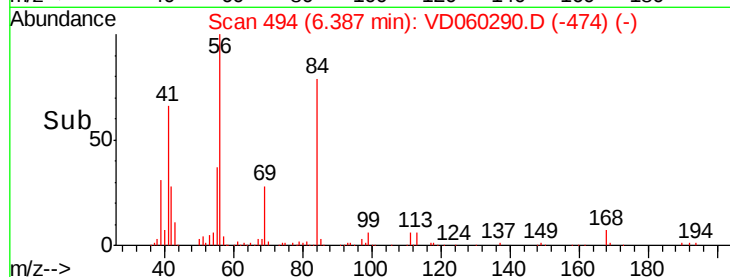
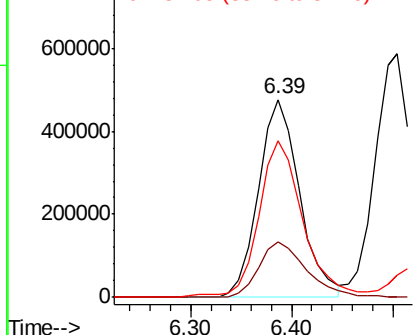
#31
Cvclohexane
Concen: 49.037 ug/l
RT: 6.39 min Scan# 494
Delta R.T. 0.00 min
Lab File: VD060290.D
Acq: 6 Nov 2018 14:08

Instrument :
MSVOA_D
ClientSampleId :
ICVVD110618

Tot Ion: 56 Resp: 1349479
Ion Ratio Lower Upper
56 100
69 28.0 22.2 33.2
84 79.0 63.0 94.4

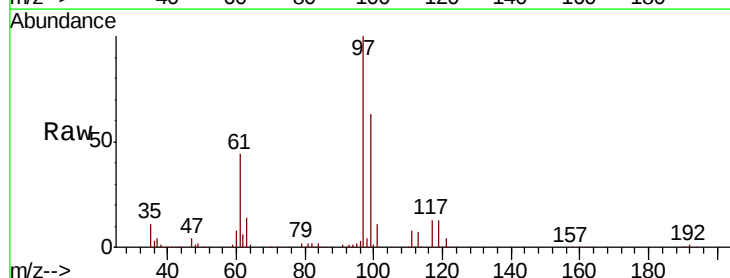


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

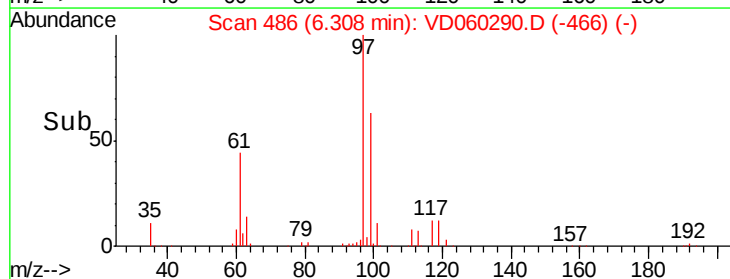
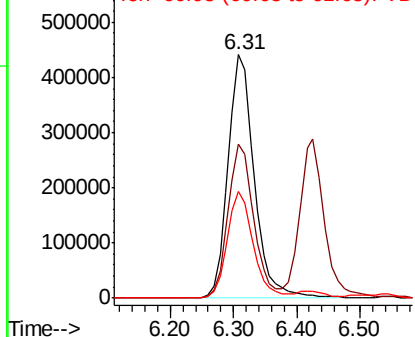


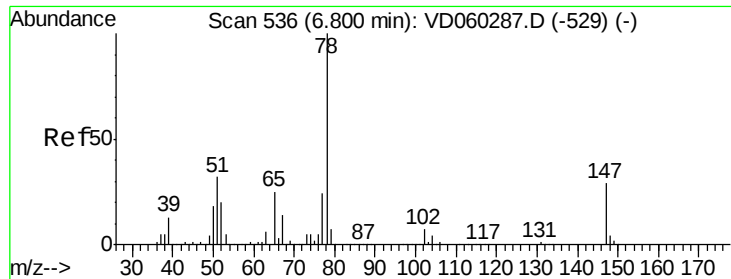
#32
1,1,1-Trichloroethane
Concen: 52.108 ug/l
RT: 6.31 min Scan# 486
Delta R.T. 0.00 min
Lab File: VD060290.D
Acq: 6 Nov 2018 14:08

Tgt Ion: 97 Resp: 1263425
Ion Ratio Lower Upper
97 100
99 63.3 51.5 77.3
61 43.9 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: 52.108 ug/l

RT: 6.80 min Scan# 536

Delta R.T. 0.00 min

Lab File: VD060290.D

Acq: 6 Nov 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

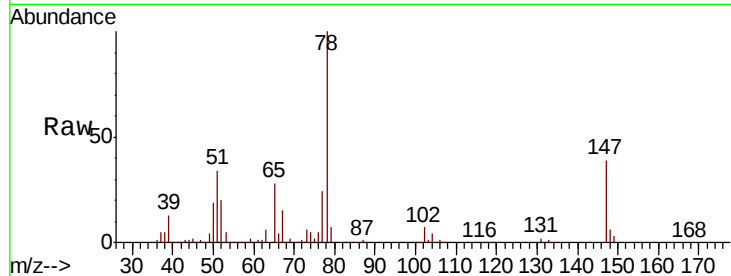
ICVVD110618

Tot Ion: 65 Resp: 587328

Ion Ratio Lower Upper

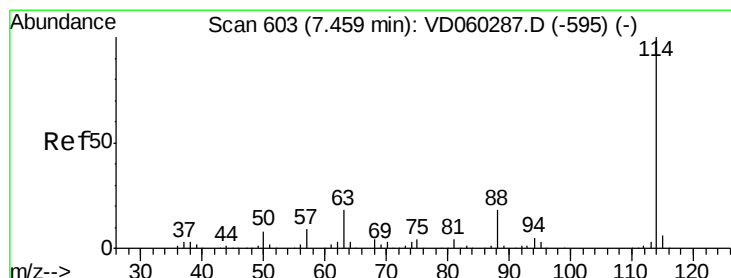
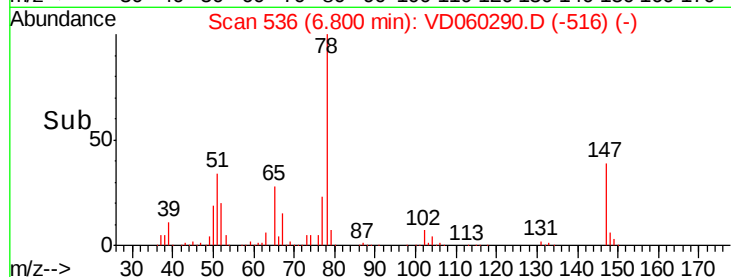
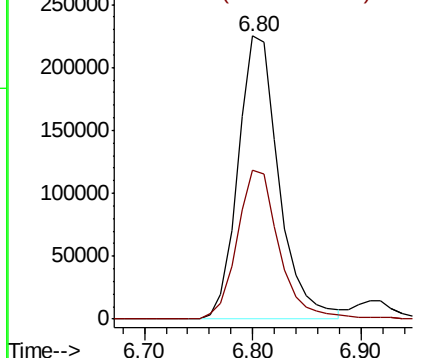
65 100

67 52.5 0.0 109.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.46 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD060290.D

Acq: 6 Nov 2018 14:08

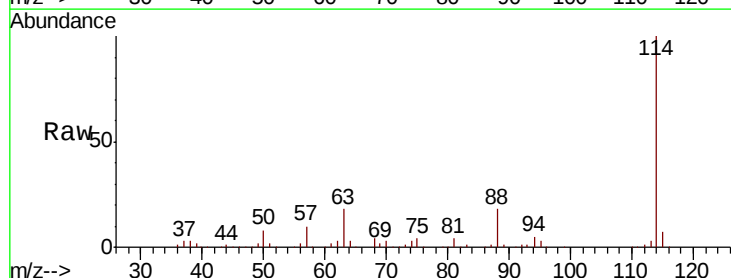
Tgt Ion: 114 Resp: 2190668

Ion Ratio Lower Upper

114 100

63 18.0 0.0 34.0

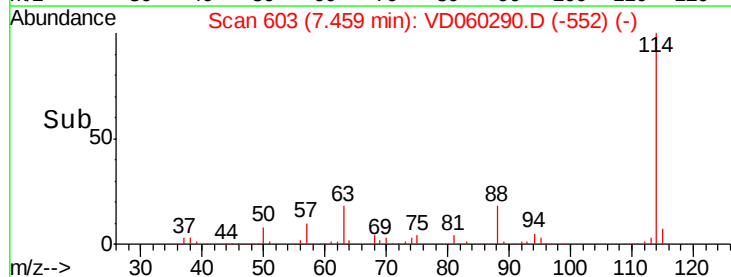
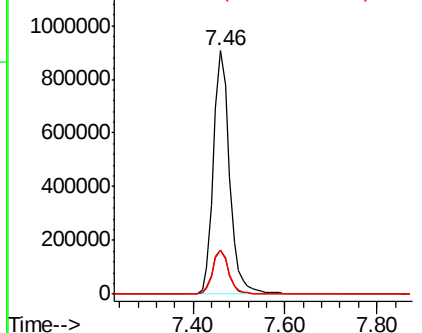
88 18.1 0.0 35.4

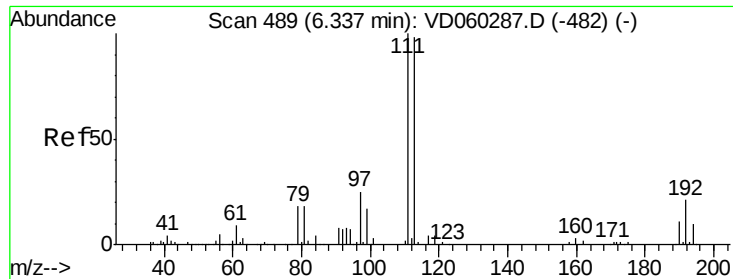


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

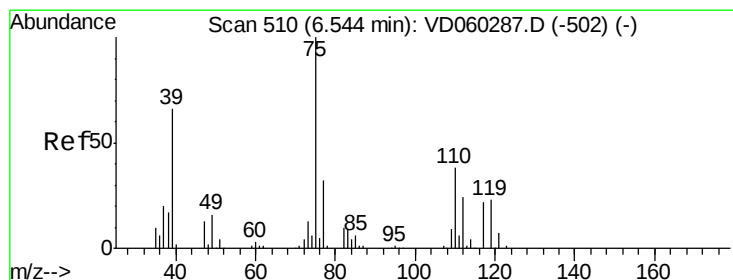
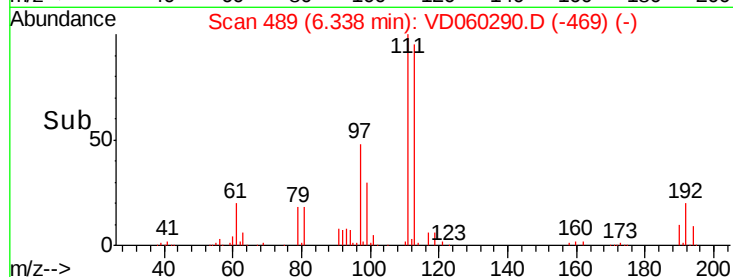
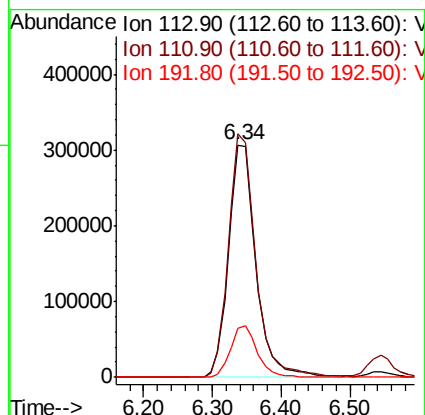
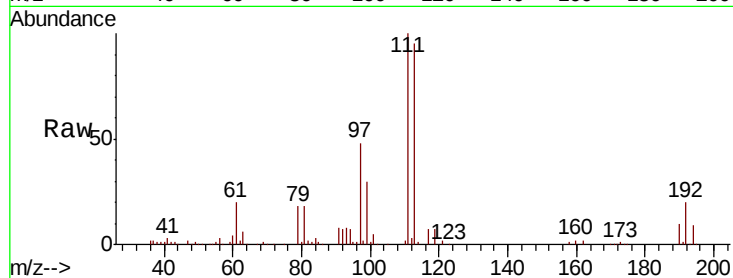




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.34 min Scan# 489
 Delta R.T. 0.00 min
 Lab File: VD060290.D
 Acq: 6 Nov 2018 14:08

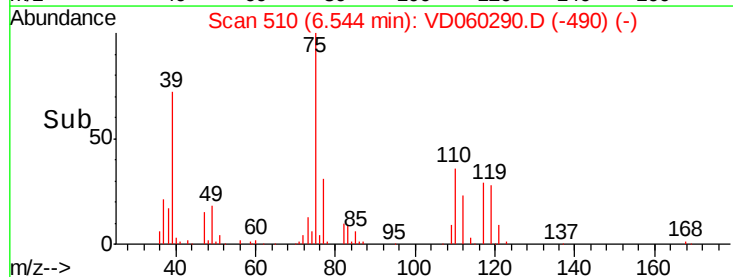
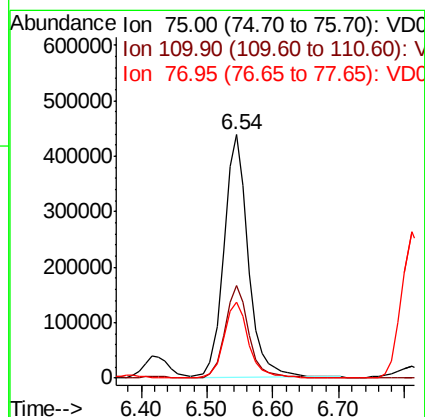
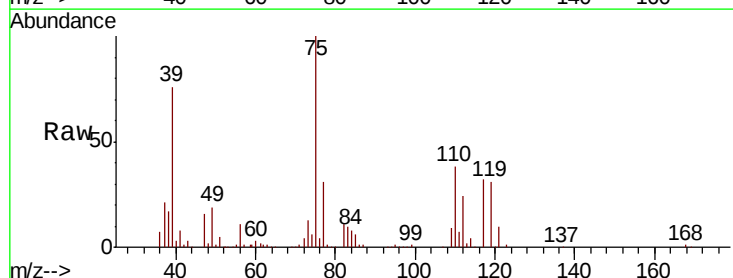
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD110618

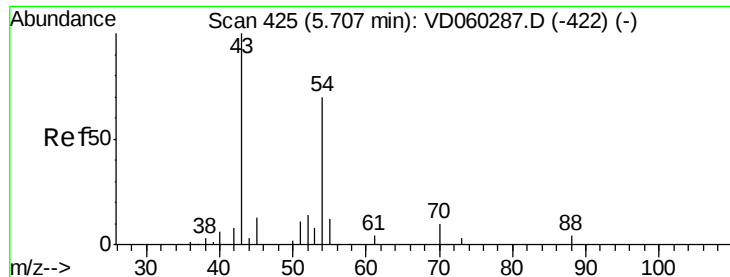
Tot Ion:113 Resp: 848627
 Ion Ratio Lower Upper
 113 100
 111 104.8 81.6 122.4
 192 20.9 16.5 24.7



#36
 1,1-Dichloropropene
 Concen: 51.963 ug/l
 RT: 6.54 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VD060290.D
 Acq: 6 Nov 2018 14:08

Tgt Ion: 75 Resp: 1124618
 Ion Ratio Lower Upper
 75 100
 110 38.0 18.0 54.0
 77 31.3 25.6 38.4

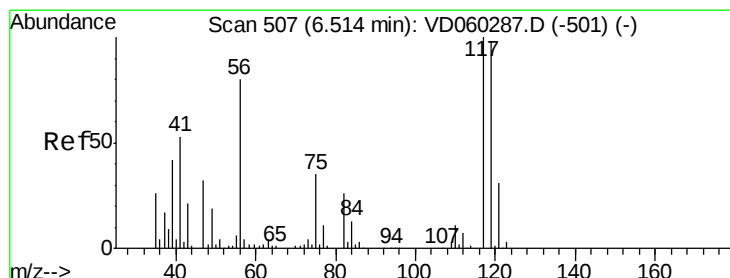
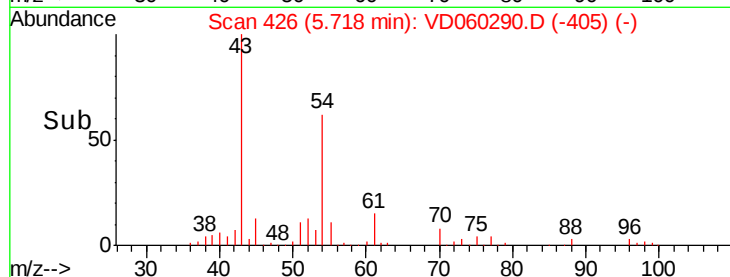
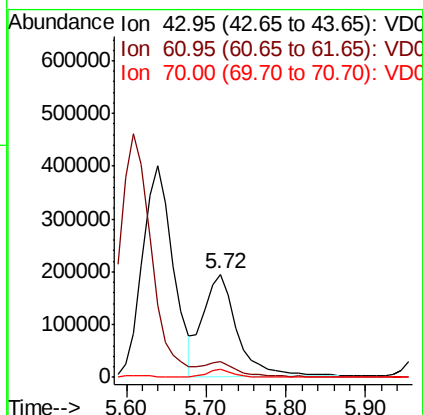
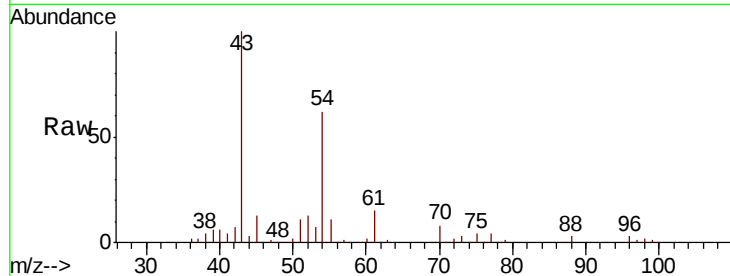




#37
Ethyl Acetate
Concen: 57.435 ug/l
RT: 5.72 min Scan# 426
Delta R.T. 0.01 min
Lab File: VD060290.D
Acq: 6 Nov 2018 14:08

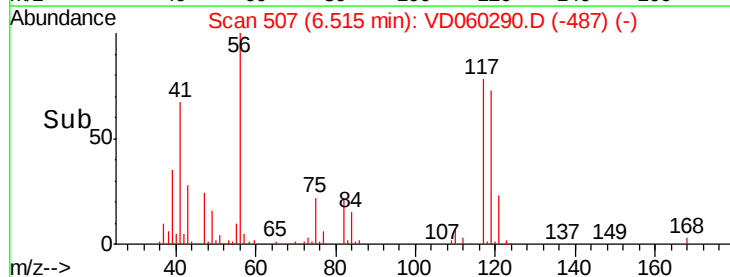
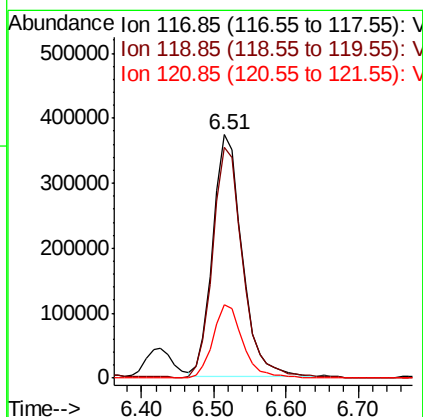
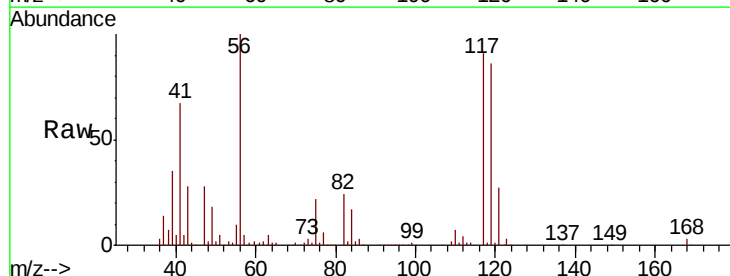
Instrument :
MSVOA_D
ClientSampleId :
ICVVD110618

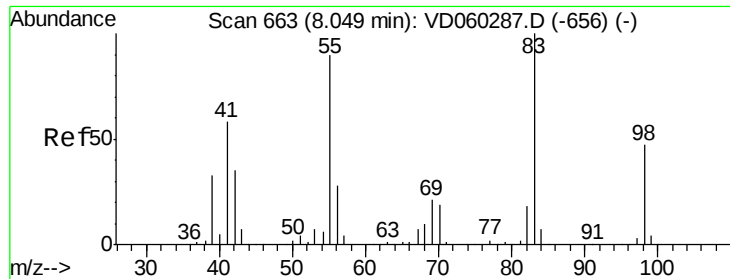
Tot Ion: 43 Resp: 572005
Ion Ratio Lower Upper
43 100
61 15.0 11.8 17.6
70 7.7 6.2 9.4



#38
Carbon Tetrachloride
Concen: 52.367 ug/l
RT: 6.51 min Scan# 507
Delta R.T. 0.00 min
Lab File: VD060290.D
Acq: 6 Nov 2018 14:08

Tgt Ion: 117 Resp: 1051361
Ion Ratio Lower Upper
117 100
119 94.7 76.6 115.0
121 30.1 24.3 36.5

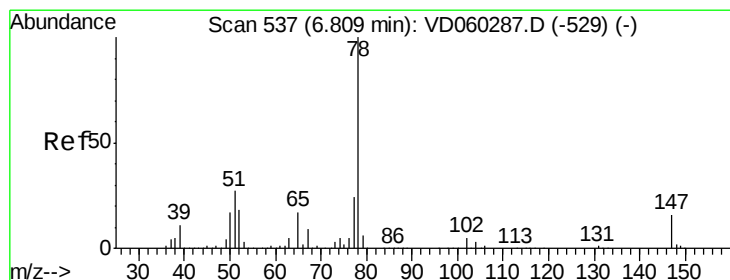
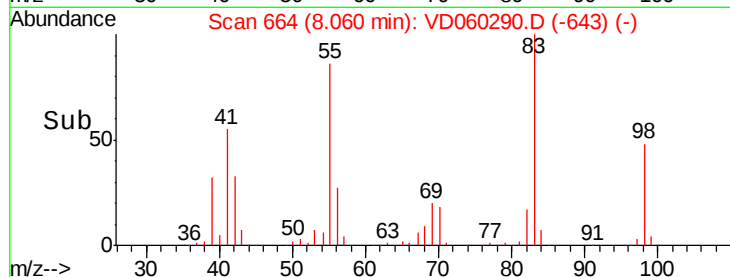
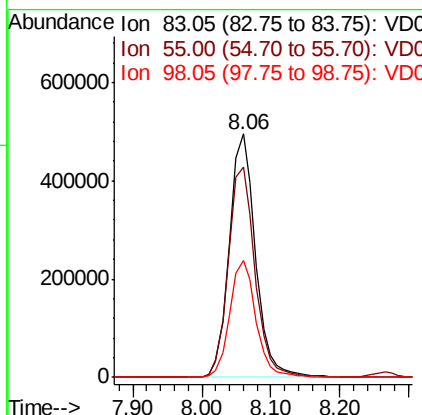
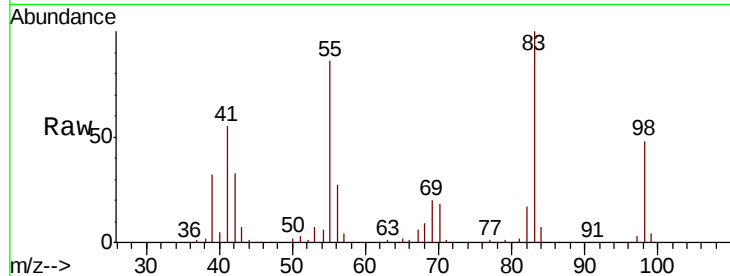




#39
Methvlcvclohexane
Concen: 52.407 ug/l
RT: 8.06 min Scan# 664
Delta R.T. 0.01 min
Lab File: VD060290.D
Acq: 6 Nov 2018 14:08

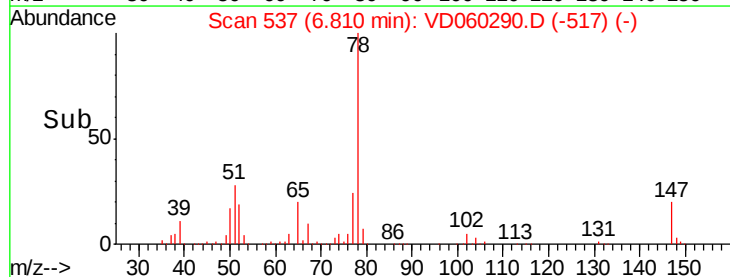
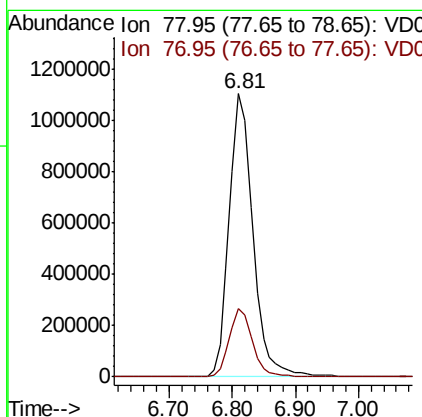
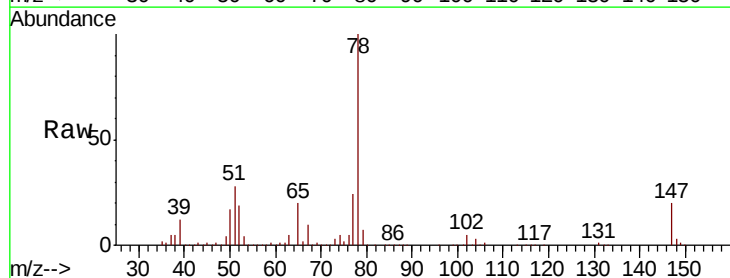
Instrument :
MSVOA_D
ClientSampleId :
ICVVD110618

Tot Ion: 83 Resp: 1304546
Ion Ratio Lower Upper
83 100
55 86.4 71.2 106.8
98 48.2 38.4 57.6



#40
Benzene
Concen: 52.289 ug/l
RT: 6.81 min Scan# 537
Delta R.T. 0.00 min
Lab File: VD060290.D
Acq: 6 Nov 2018 14:08

Tgt Ion: 78 Resp: 2888742
Ion Ratio Lower Upper
78 100
77 24.0 18.8 28.2

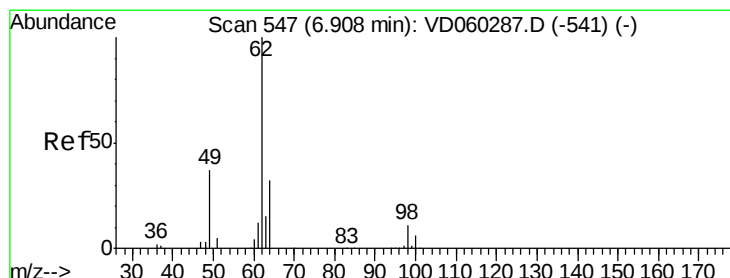
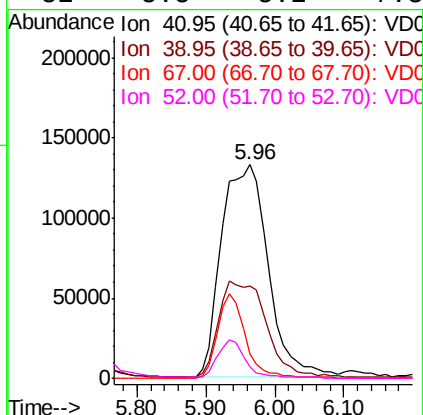
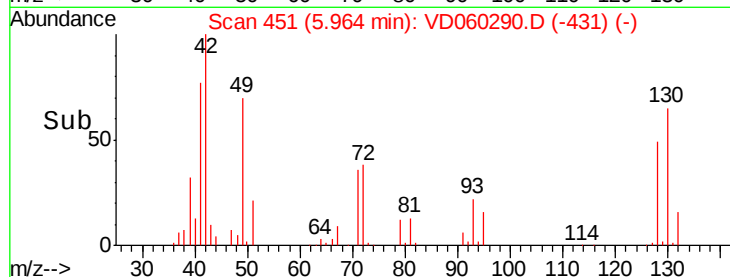
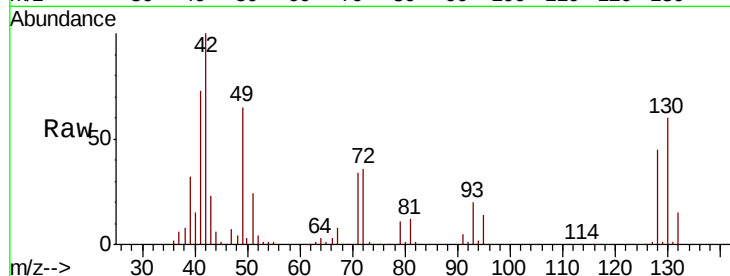




#41
Methacrylonitrile
Concen: 54.673 ug/l
RT: 5.96 min Scan# 451
Delta R.T. 0.00 min
Lab File: VD060290.D
Acq: 6 Nov 2018 14:08

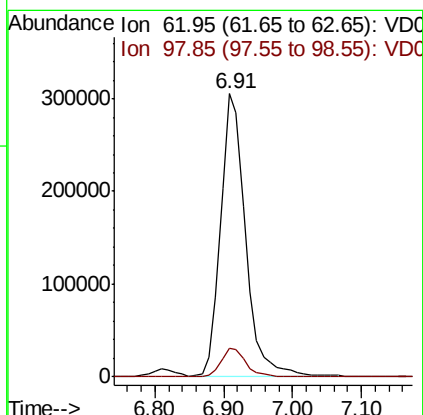
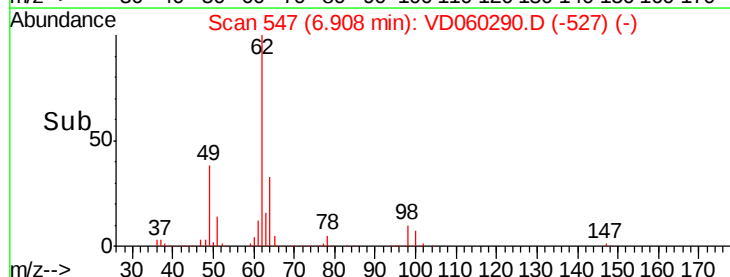
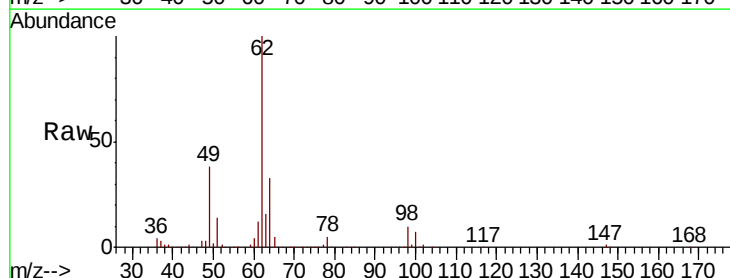
Instrument :
MSVOA_D
ClientSampleId :
ICVVD110618

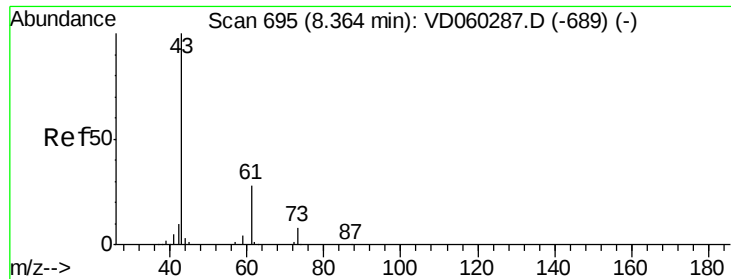
Tot Ion:	41	Resp:	623208
Ion	Ratio	Lower	Upper
41	100		
39	43.2	36.2	54.2
67	11.5	11.9	17.9#
52	5.5	5.2	7.8



#42
1,2-Dichloroethane
Concen: 52.413 ug/l
RT: 6.91 min Scan# 547
Delta R.T. 0.00 min
Lab File: VD060290.D
Acq: 6 Nov 2018 14:08

Tgt Ion:	62	Resp:	757909
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	22.0





#43

Isopropyl Acetate

Concen: 54.690 ug/l

RT: 8.36 min Scan# 695

Delta R.T. 0.00 min

Lab File: VD060290.D

Acq: 6 Nov 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

ICVVD110618

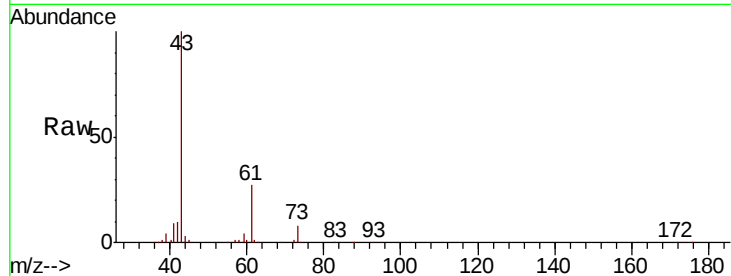
Tot Ion: 43 Resp: 684169

Ion Ratio Lower Upper

43 100

61 26.8 22.3 33.5

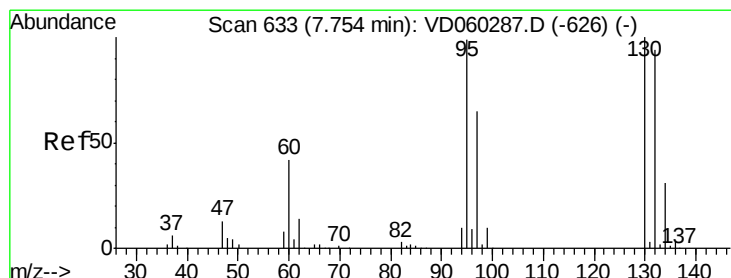
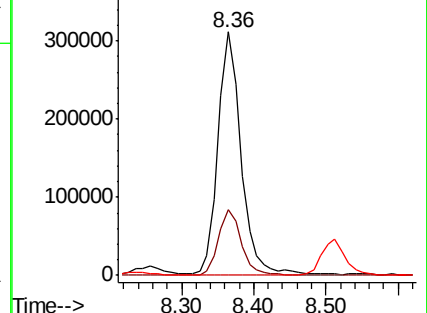
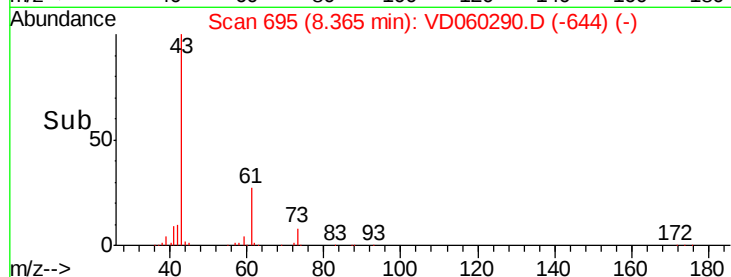
87 0.3 0.2 0.2#



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: 53.261 ug/l

RT: 7.75 min Scan# 633

Delta R.T. 0.00 min

Lab File: VD060290.D

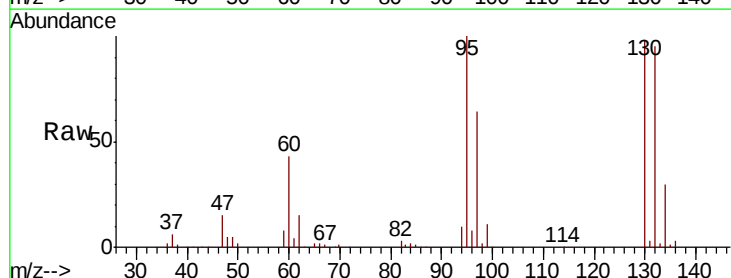
Acq: 6 Nov 2018 14:08

Tgt Ion:130 Resp: 891959

Ion Ratio Lower Upper

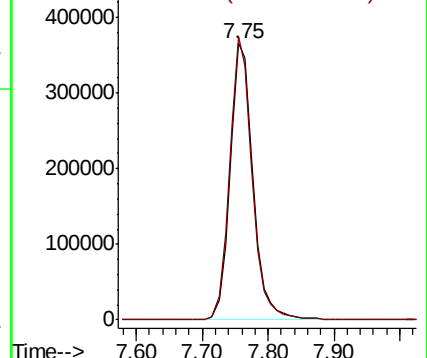
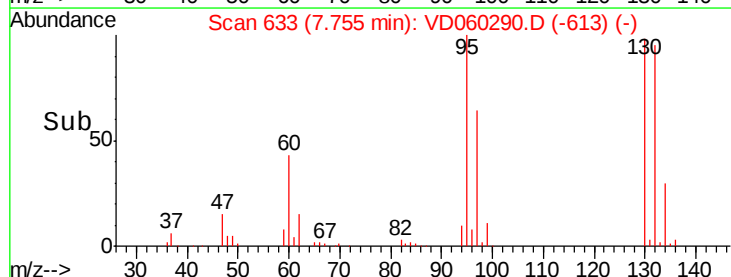
130 100

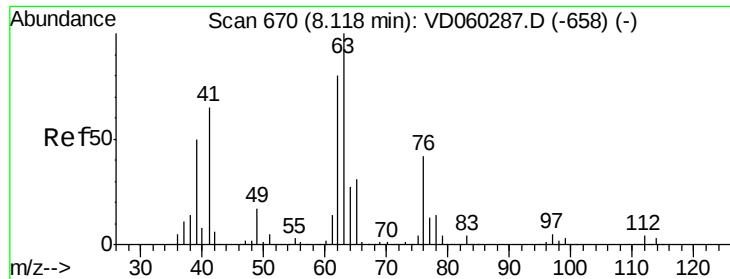
95 102.2 0.0 200.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 52.592 ug/l

RT: 8.12 min Scan# 670

Delta R.T. 0.00 min

Lab File: VD060290.D

Acq: 6 Nov 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

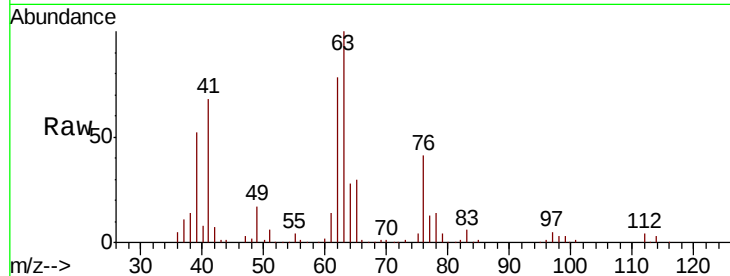
ICVVD110618

Tot Ion: 63 Resp: 732767

Ion Ratio Lower Upper

63 100

65 30.3 23.4 35.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.12

300000

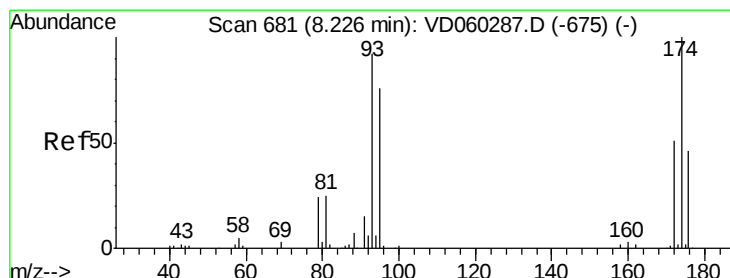
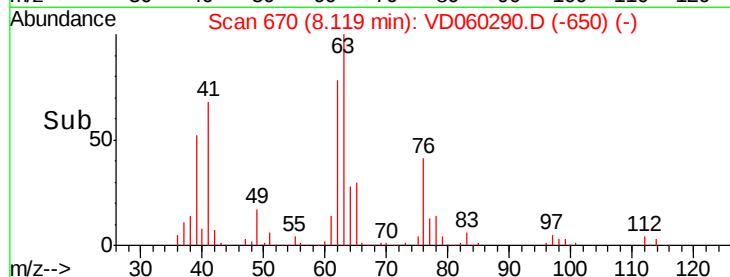
200000

100000

0

Time-->

7.90 8.00 8.10 8.20 8.30



#46

Dibromomethane

Concen: 53.834 ug/l

RT: 8.24 min Scan# 682

Delta R.T. 0.01 min

Lab File: VD060290.D

Acq: 6 Nov 2018 14:08

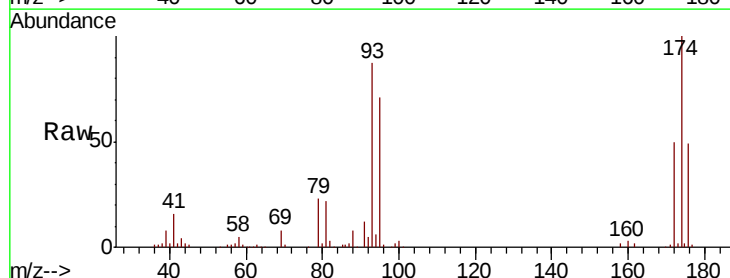
Tgt Ion: 93 Resp: 439305

Ion Ratio Lower Upper

93 100

95 81.7 66.4 99.6

174 114.9 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

300000

250000

200000

150000

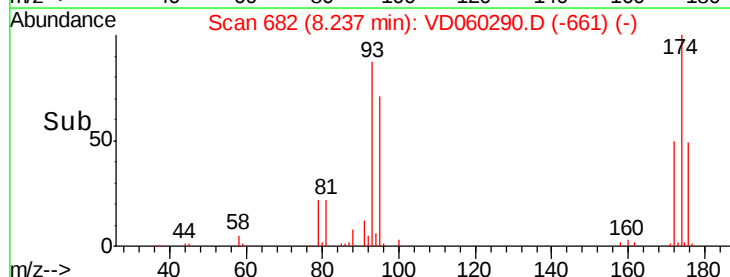
100000

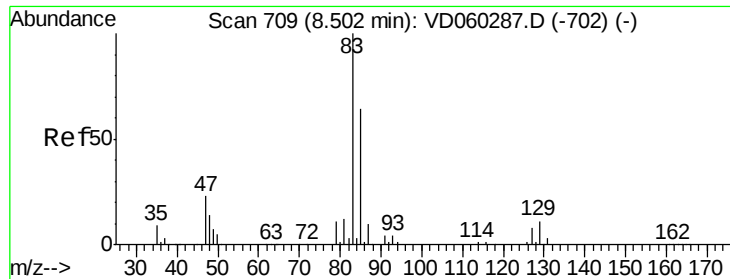
50000

0

Time-->

8.10 8.20 8.30 8.40





#47

Bromodichloromethane

Concen: 52.406 ug/l

RT: 8.51 min Scan# 710

Delta R.T. 0.01 min

Lab File: VD060290.D

Acq: 6 Nov 2018 14:08

Instrument :

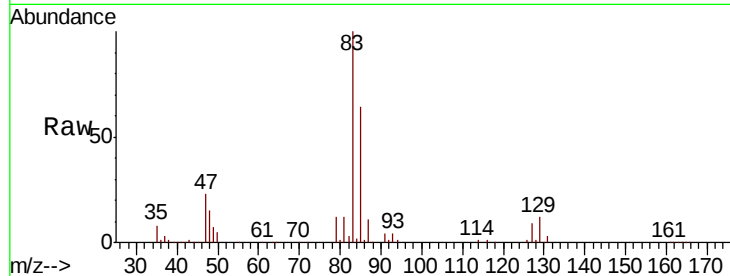
MSVOA_D

ClientSampleId :

ICVVD110618

Tot Ion: 83 Resp: 1007747

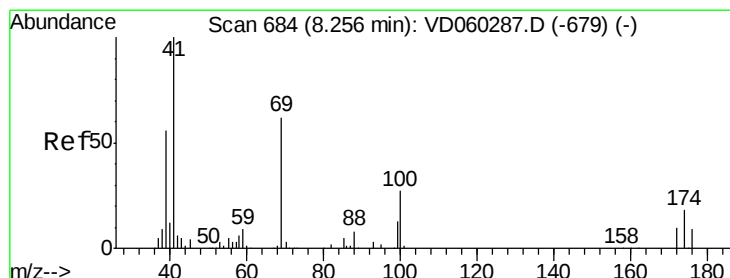
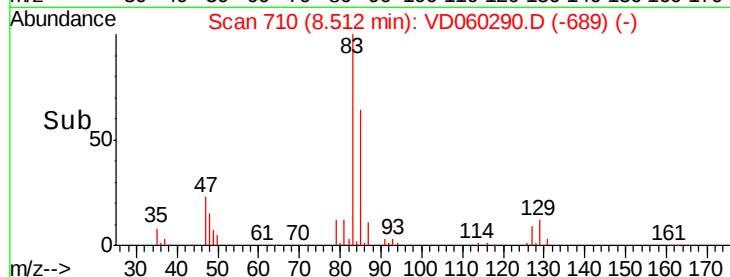
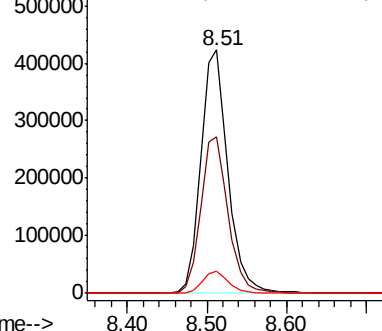
Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.0	76.6
127	9.3	6.2	9.4



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: 54.542 ug/l

RT: 8.27 min Scan# 685

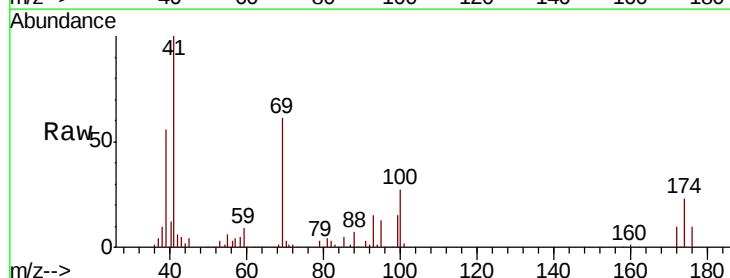
Delta R.T. 0.01 min

Lab File: VD060290.D

Acq: 6 Nov 2018 14:08

Tgt Ion: 41 Resp: 414452

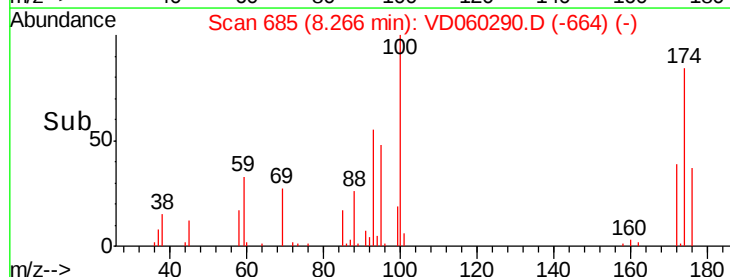
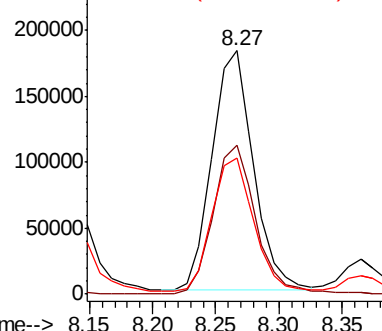
Ion	Ratio	Lower	Upper
41	100		
69	61.4	47.0	70.4
39	56.1	46.2	69.4

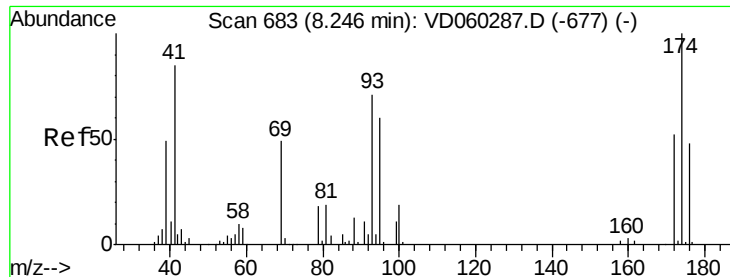


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 1116.259 ug/l

RT: 8.25 min Scan# 683

Delta R.T. 0.00 min

Lab File: VD060290.D

Acq: 6 Nov 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

ICVVD110618

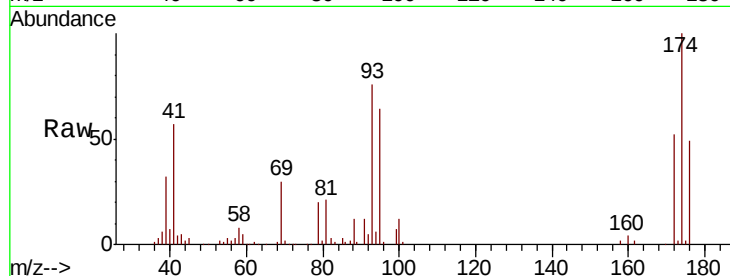
Tot Ion: 88 Resp: 73391

Ion Ratio Lower Upper

88 100

43 45.6 39.7 59.5

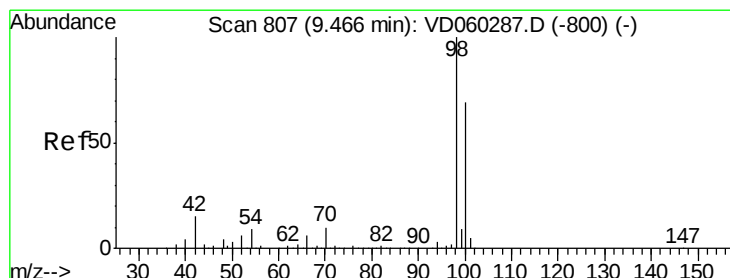
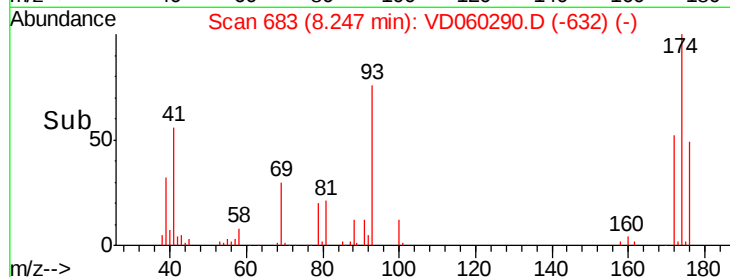
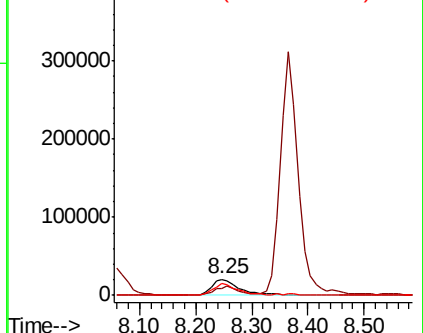
58 69.9 60.2 90.2



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: 1116.259 ug/l

RT: 9.48 min Scan# 808

Delta R.T. 0.01 min

Lab File: VD060290.D

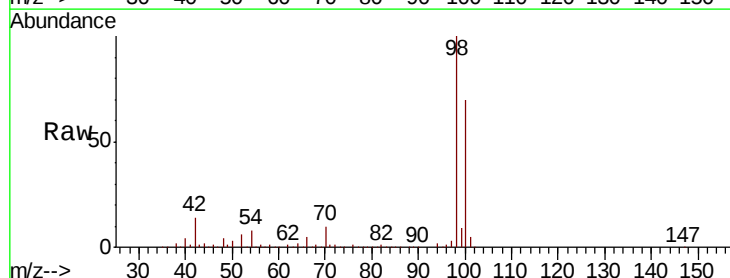
Acq: 6 Nov 2018 14:08

Tgt Ion: 98 Resp: 2494766

Ion Ratio Lower Upper

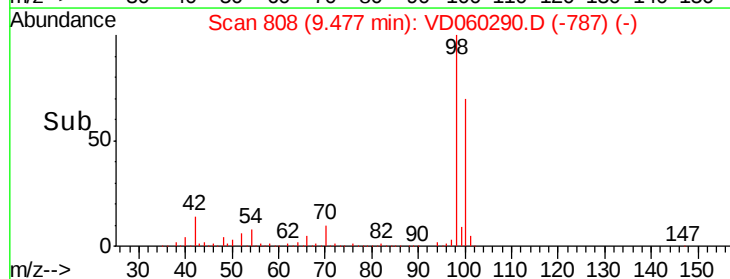
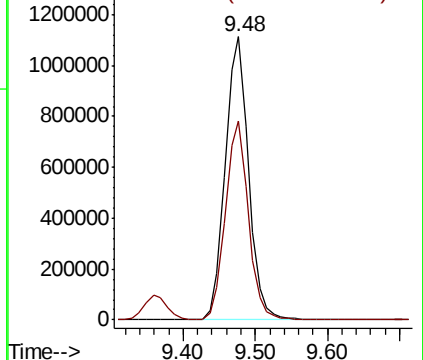
98 100

100 70.1 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: 261.559 ug/l

RT: 9.36 min Scan# 796

Delta R.T. 0.00 min

Lab File: VD060290.D

Acq: 6 Nov 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

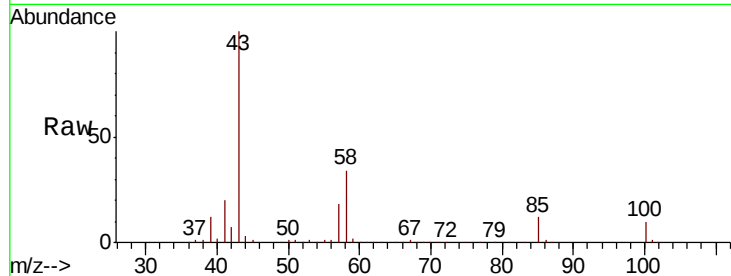
ICVVD110618

Tot Ion: 43 Resp: 2129678

Ion Ratio Lower Upper

43 100

58 33.6 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.36

800000

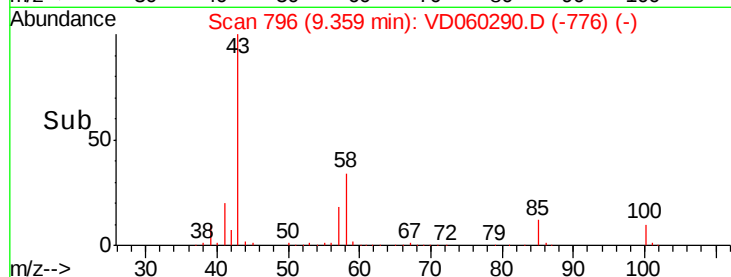
600000

400000

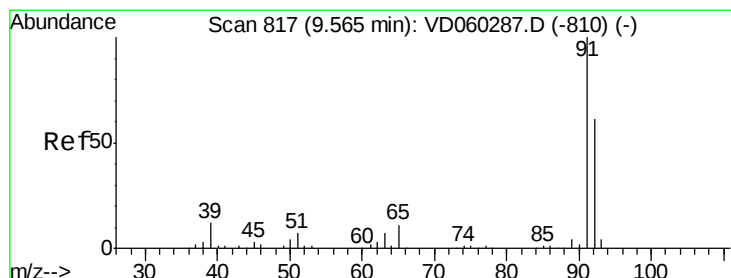
200000

0

9.20 9.30 9.40 9.50



Time-->



#52

Toluene

Concen: 53.182 ug/l

RT: 9.57 min Scan# 817

Delta R.T. 0.00 min

Lab File: VD060290.D

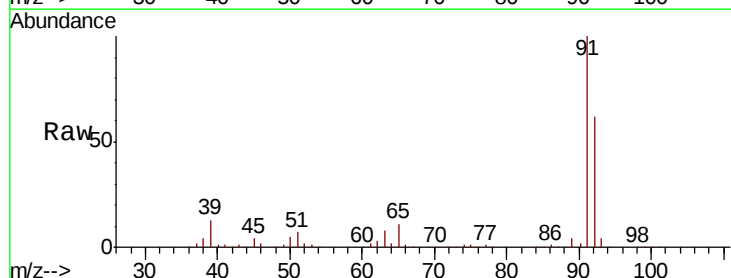
Acq: 6 Nov 2018 14:08

Tgt Ion: 92 Resp: 1876800

Ion Ratio Lower Upper

92 100

91 161.7 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

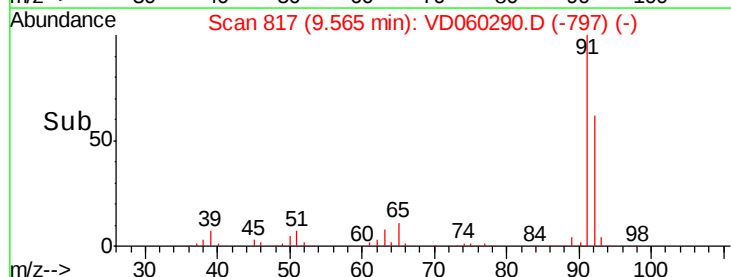
1500000

1000000

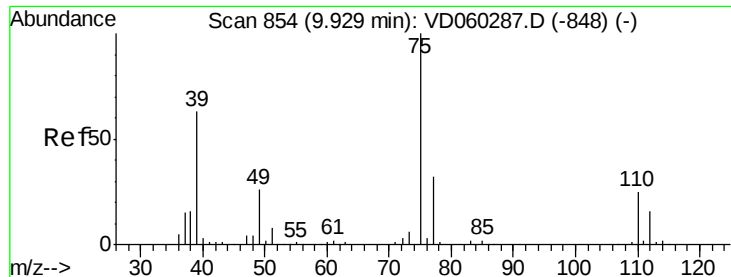
500000

0

9.40 9.50 9.60 9.70



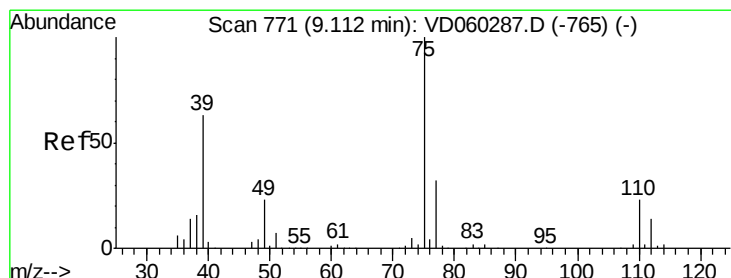
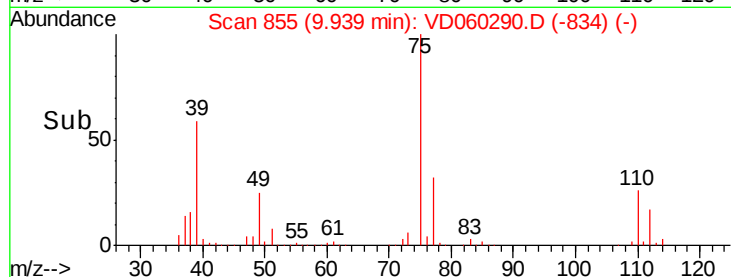
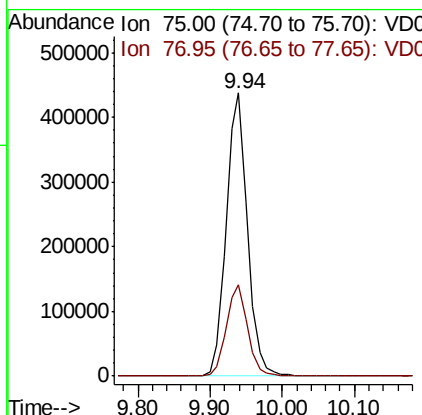
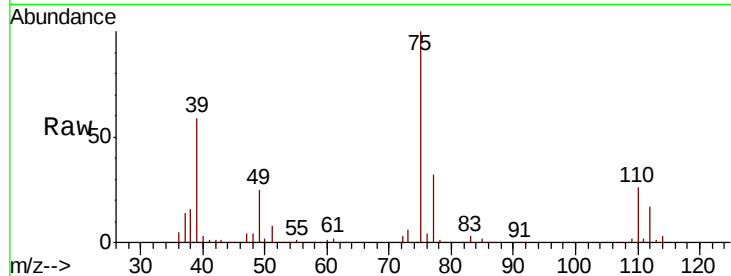
Time-->



#53
 t-1,3-Dichloropropene
 Concen: 54.692 ug/l
 RT: 9.94 min Scan# 855
 Delta R.T. 0.01 min
 Lab File: VD060290.D
 Acq: 6 Nov 2018 14:08

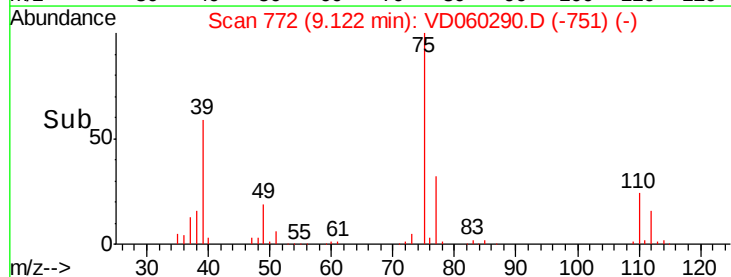
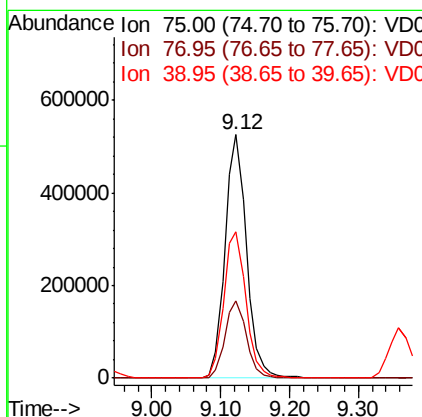
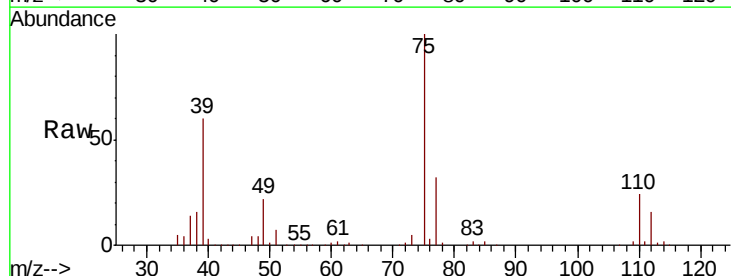
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD110618

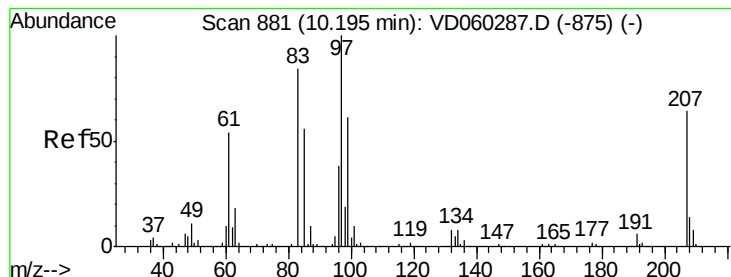
Tot Ion: 75 Resp: 888622
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.2 37.8



#54
 cis-1,3-Dichloropropene
 Concen: 54.409 ug/l
 RT: 9.12 min Scan# 772
 Delta R.T. 0.01 min
 Lab File: VD060290.D
 Acq: 6 Nov 2018 14:08

Tgt Ion: 75 Resp: 1133836
 Ion Ratio Lower Upper
 75 100
 77 32.0 26.3 39.5
 39 59.9 50.8 76.2





#55

1,1,2-Trichloroethane

Concen: 51.793 ug/l

RT: 10.20 min Scan# 881

Delta R.T. 0.00 min

Lab File: VD060290.D

Acq: 6 Nov 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

ICVVD110618

Tot Ion: 97 Resp: 529762

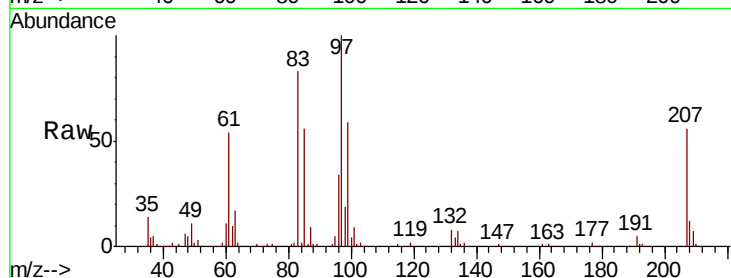
Ion Ratio Lower Upper

97 100

83 83.4 68.4 102.6

85 56.3 46.8 70.2

99 58.8 49.5 74.3

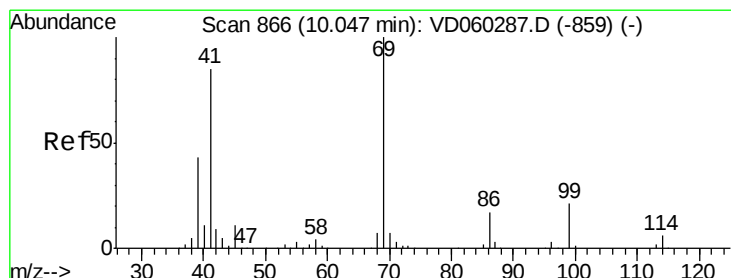
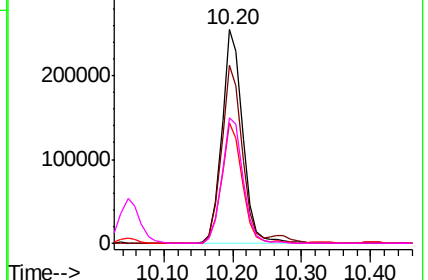
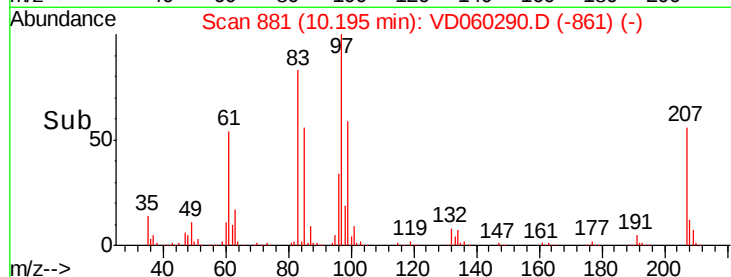


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 55.394 ug/l

RT: 10.05 min Scan# 866

Delta R.T. 0.00 min

Lab File: VD060290.D

Acq: 6 Nov 2018 14:08

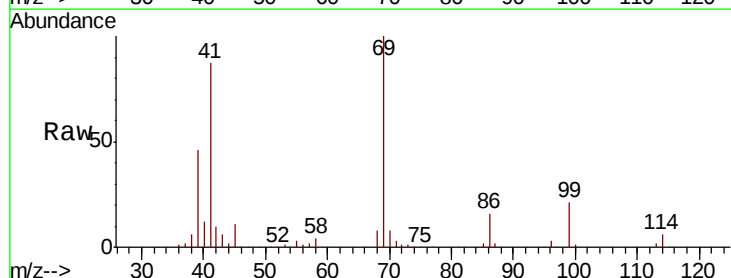
Tgt Ion: 69 Resp: 520949

Ion Ratio Lower Upper

69 100

41 87.0 69.0 103.4

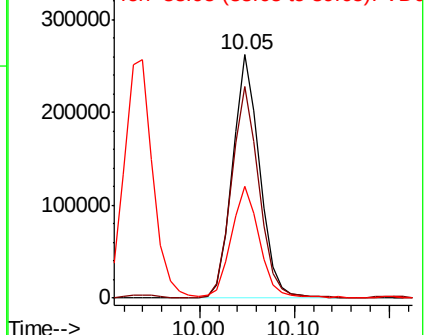
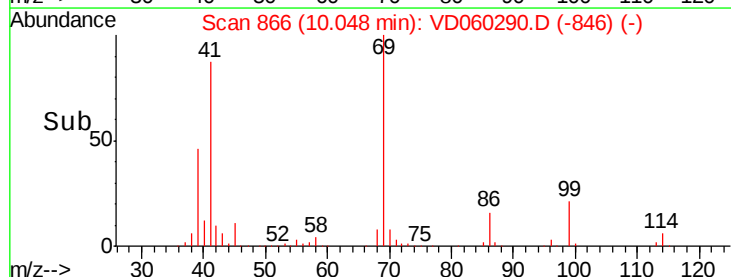
39 45.9 36.6 54.8



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: 51.444 ug/l

RT: 10.40 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD060290.D

Acq: 6 Nov 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

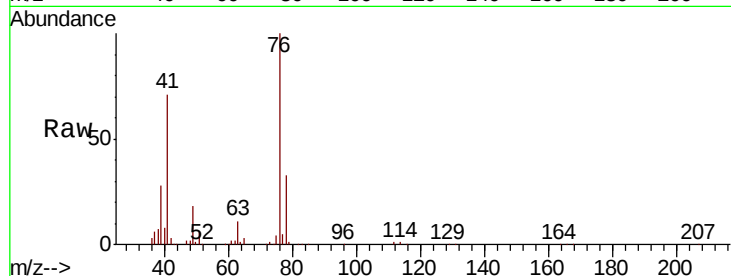
ICVVD110618

Tot Ion: 76 Resp: 801796

Ion Ratio Lower Upper

76 100

78 32.5 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

400000

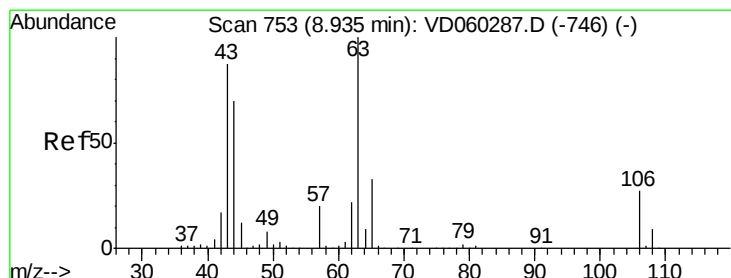
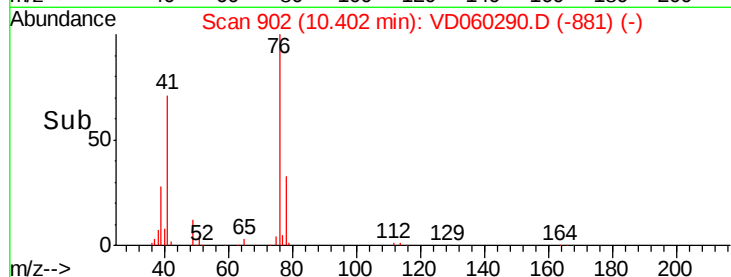
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 254.269 ug/l

RT: 8.95 min Scan# 754

Delta R.T. 0.01 min

Lab File: VD060290.D

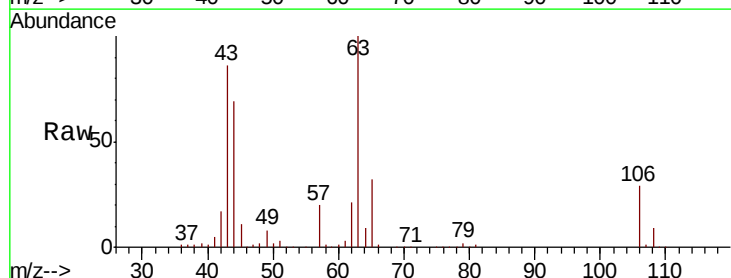
Acq: 6 Nov 2018 14:08

Tgt Ion: 63 Resp: 1445878

Ion Ratio Lower Upper

63 100

106 29.3 21.5 32.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

8.95

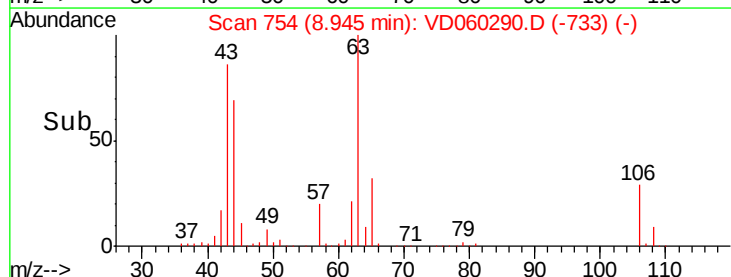
600000

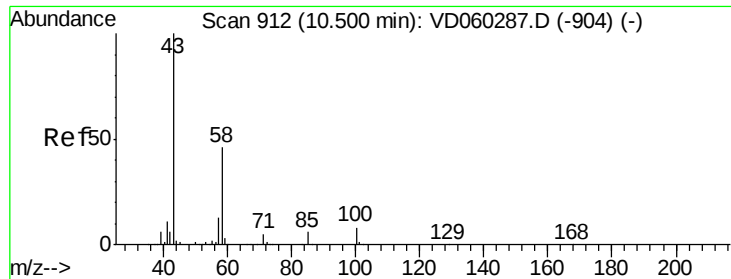
400000

200000

0

Time-->

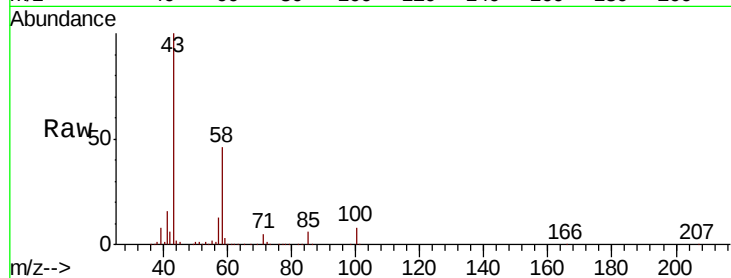




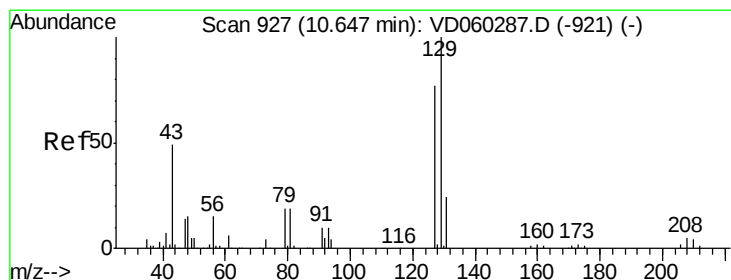
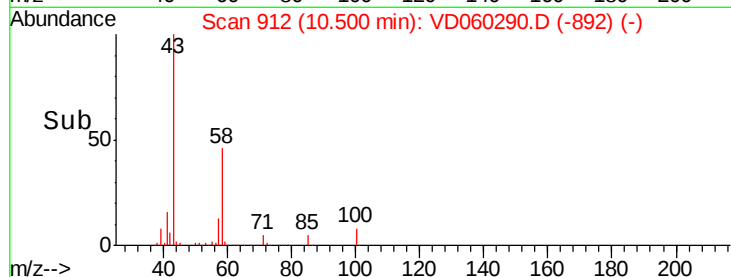
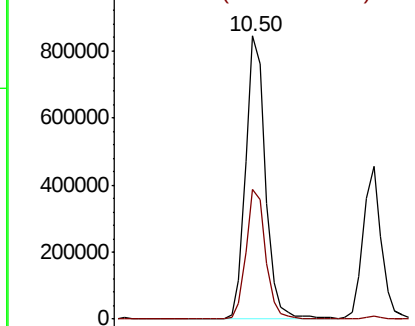
#59
2-Hexanone
Concen: 281.100 ug/l
RT: 10.50 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD060290.D
Acq: 6 Nov 2018 14:08

Instrument :
MSVOA_D
ClientSampleId :
ICVVD110618

Tot Ion: 43 Resp: 1631306
Ion Ratio Lower Upper
43 100
58 45.9 22.9 68.5

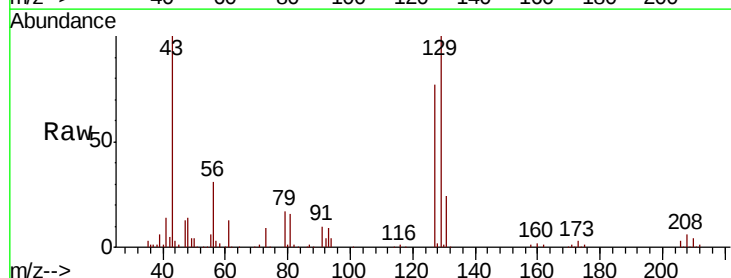


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

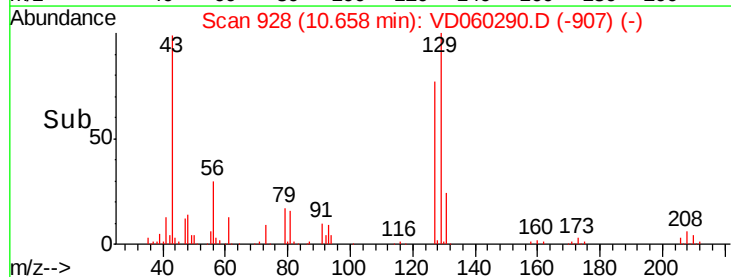
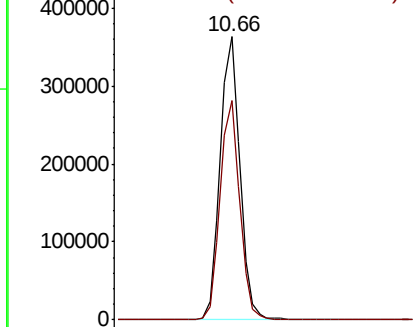


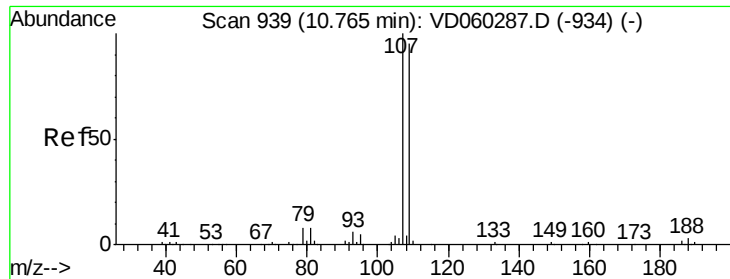
#60
Dibromochloromethane
Concen: 55.107 ug/l
RT: 10.66 min Scan# 928
Delta R.T. 0.01 min
Lab File: VD060290.D
Acq: 6 Nov 2018 14:08

Tgt Ion: 129 Resp: 685171
Ion Ratio Lower Upper
129 100
127 77.3 38.9 116.6



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 53.718 ug/l

RT: 10.78 min Scan# 940

Delta R.T. 0.01 min

Lab File: VD060290.D

Acq: 6 Nov 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

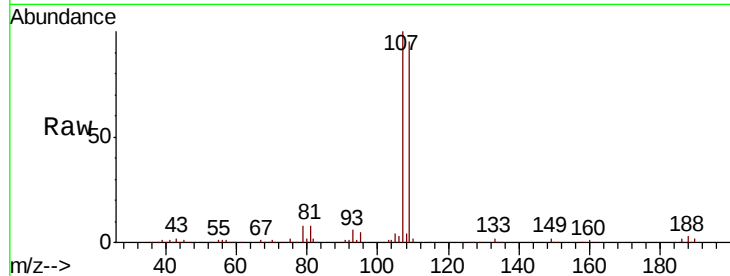
ICVVD110618

Tot Ion:107 Resp: 550517

Ion Ratio Lower Upper

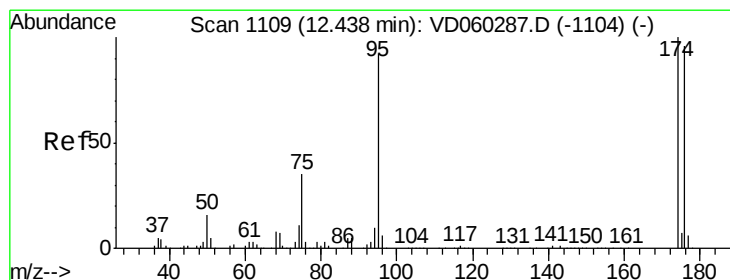
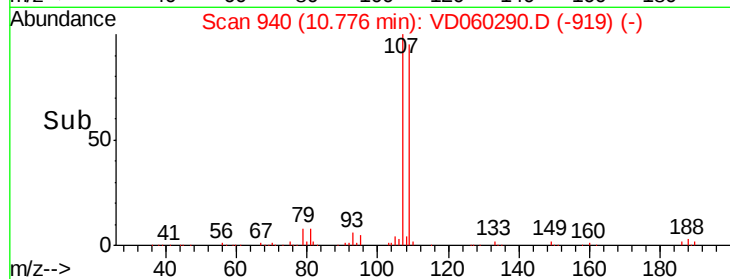
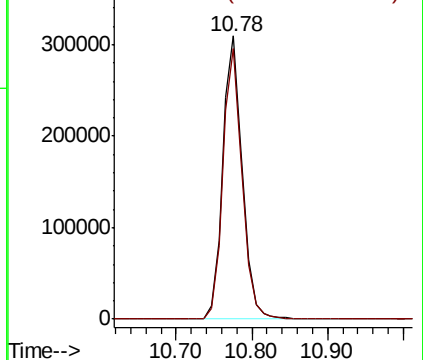
107 100

109 95.4 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 53.718 ug/l

RT: 12.44 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VD060290.D

Acq: 6 Nov 2018 14:08

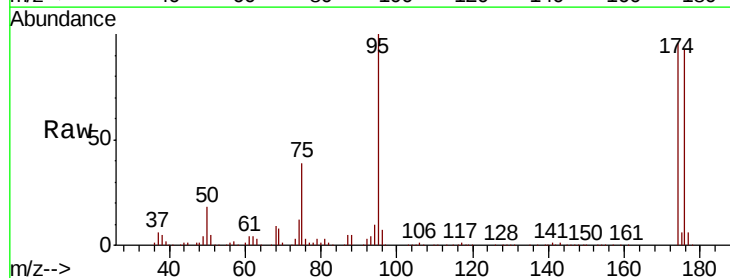
Tgt Ion: 95 Resp: 898521

Ion Ratio Lower Upper

95 100

174 96.0 0.0 160.8

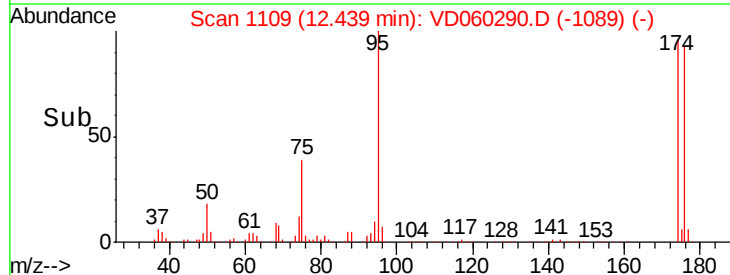
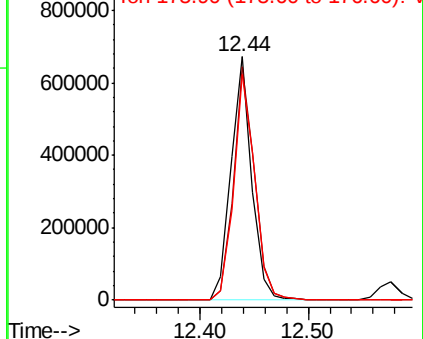
176 92.6 0.0 154.6

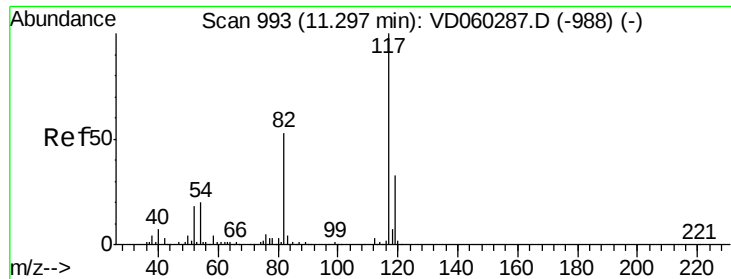


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

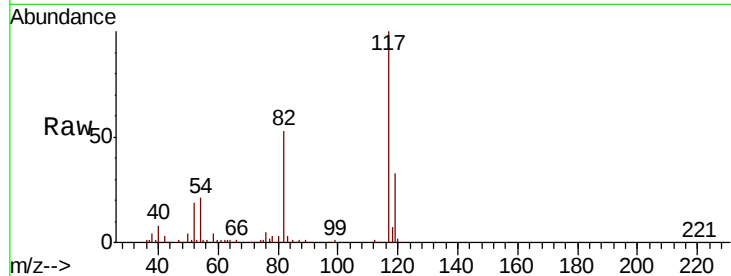




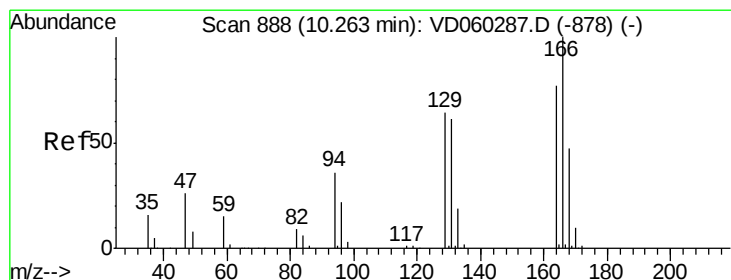
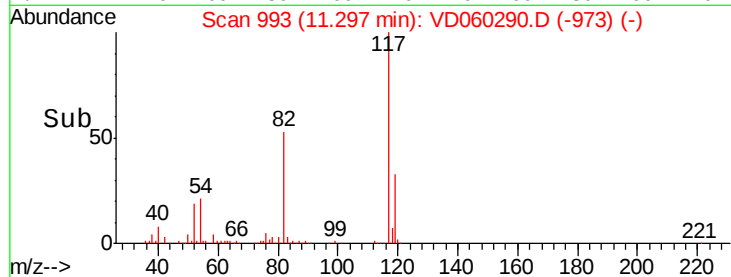
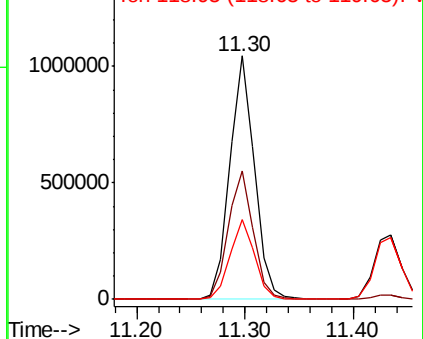
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.30 min Scan# 993
Delta R.T. 0.00 min
Lab File: VD060290.D
Acq: 6 Nov 2018 14:08

Instrument :
MSVOA_D
ClientSampleId :
ICVVD110618

Tot Ion:117 Resp: 1661021
Ion Ratio Lower Upper
117 100
82 52.8 43.7 65.5
119 32.6 26.1 39.1

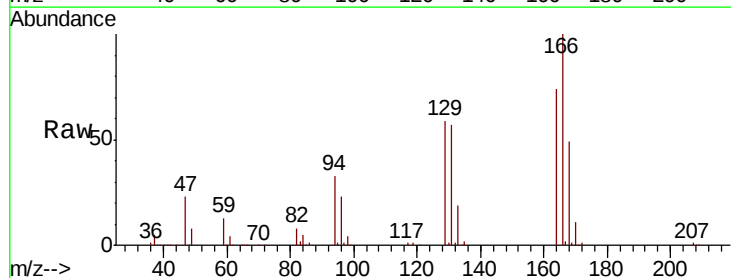


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

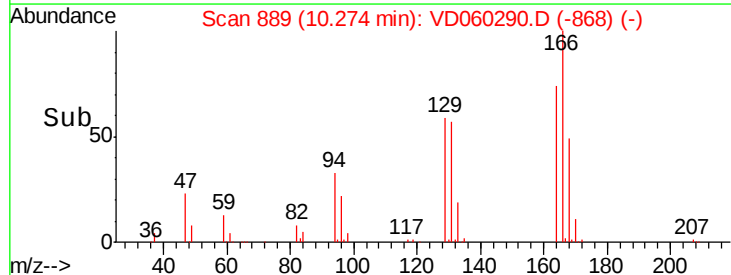
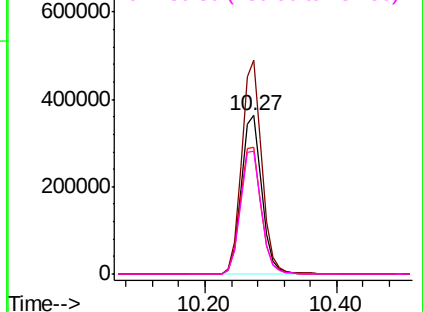


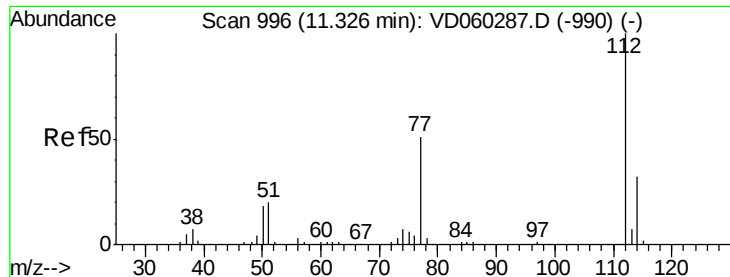
#64
Tetrachloroethene
Concen: 53.742 ug/l
RT: 10.27 min Scan# 889
Delta R.T. 0.01 min
Lab File: VD060290.D
Acq: 6 Nov 2018 14:08

Tgt Ion:164 Resp: 796913
Ion Ratio Lower Upper
164 100
166 134.7 103.7 155.5
129 80.0 65.6 98.4
131 77.2 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

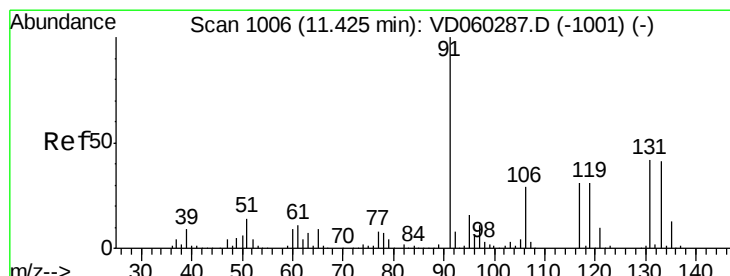
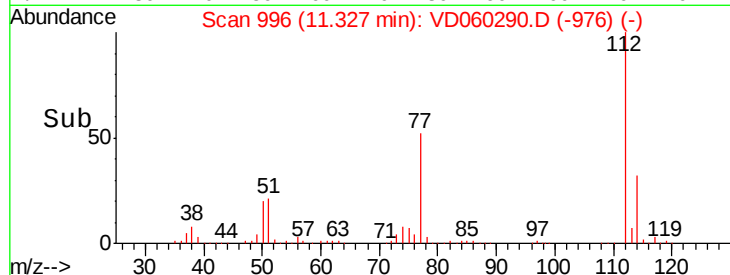
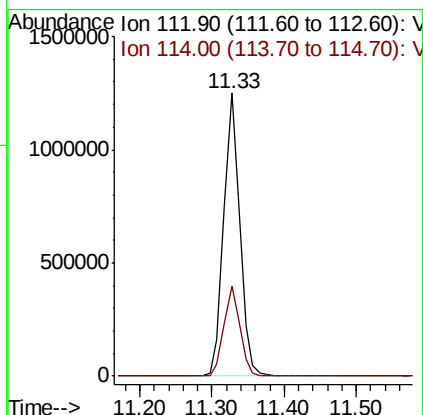
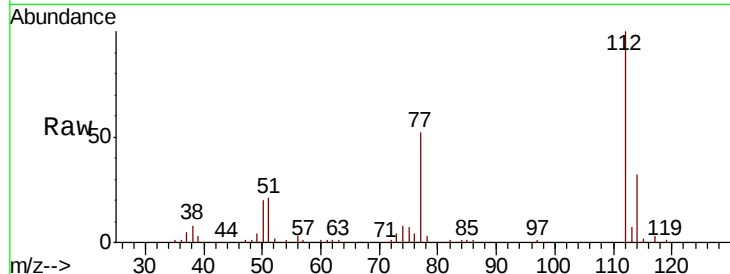




#65
Chlorobenzene
Concen: 53.864 ug/l
RT: 11.33 min Scan# 996
Delta R.T. 0.00 min
Lab File: VD060290.D
Acq: 6 Nov 2018 14:08

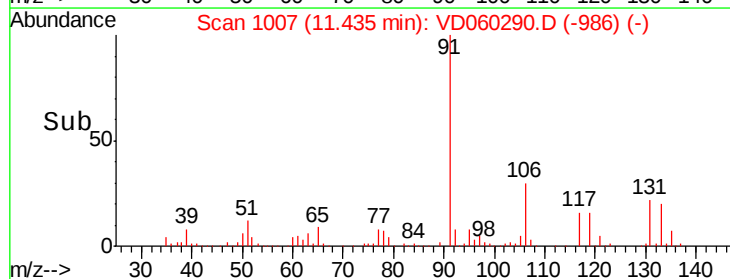
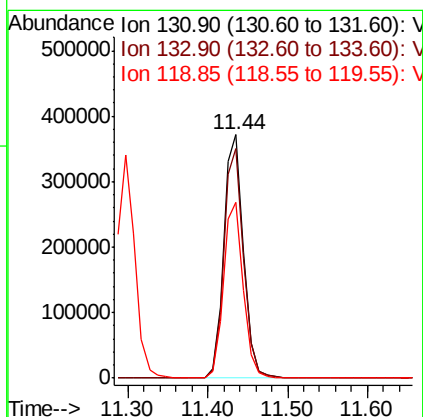
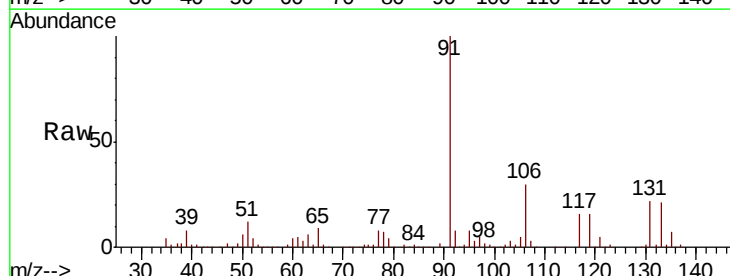
Instrument :
MSVOA_D
ClientSampleId :
ICVVD110618

Tot Ion:112 Resp: 1938534
Ion Ratio Lower Upper
112 100
114 31.9 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 54.816 ug/l
RT: 11.44 min Scan# 1007
Delta R.T. 0.01 min
Lab File: VD060290.D
Acq: 6 Nov 2018 14:08

Tgt Ion:131 Resp: 645487
Ion Ratio Lower Upper
131 100
133 94.5 50.0 150.0
119 72.2 37.0 111.1

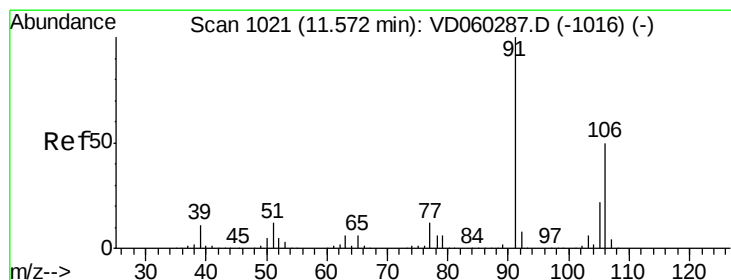
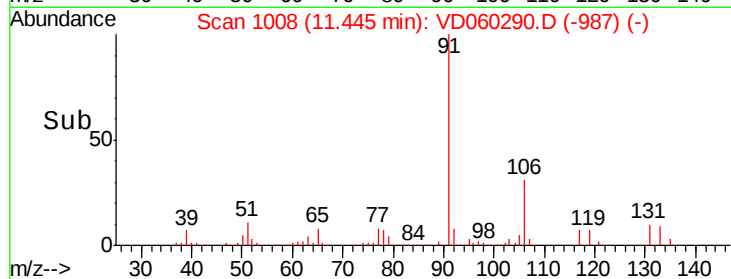
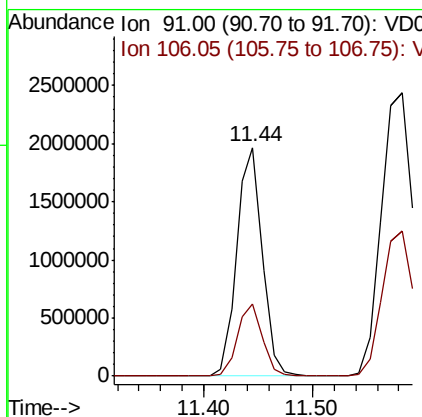
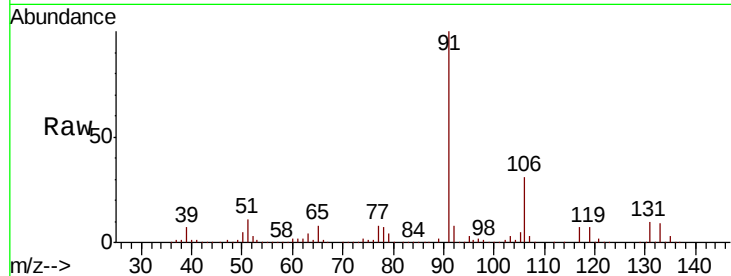




#67
Ethyl Benzene
Concen: 52.329 ug/l
RT: 11.44 min Scan# 1008
Delta R.T. 0.01 min
Lab File: VD060290.D
Acq: 6 Nov 2018 14:08

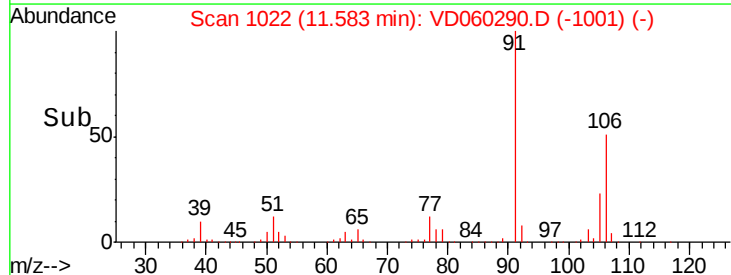
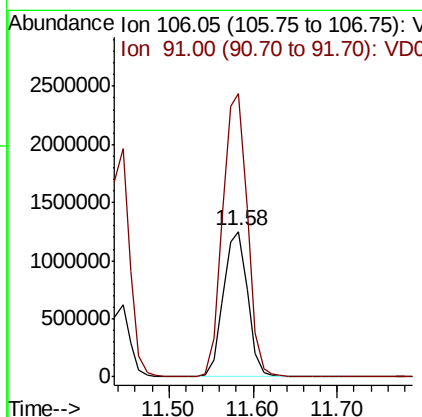
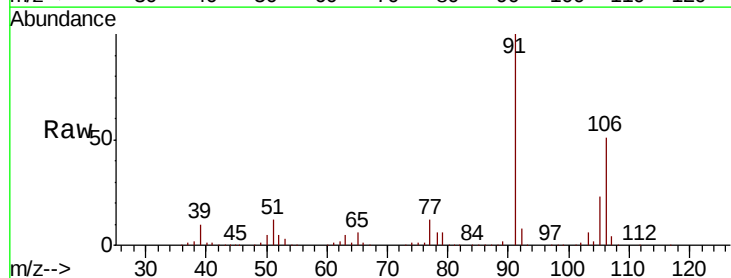
Instrument :
MSVOA_D
ClientSampleId :
ICVVD110618

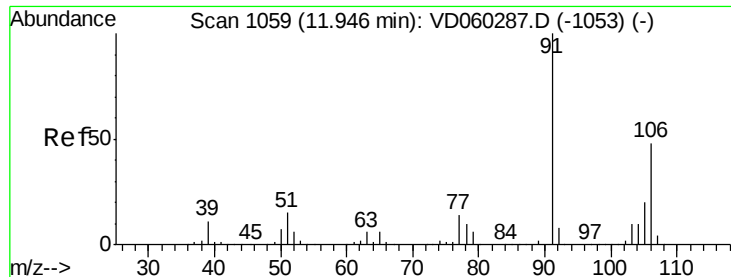
Tot Ion: 91 Resp: 3221703
Ion Ratio Lower Upper
91 100
106 31.3 24.6 36.8



#68
m/p-Xylenes
Concen: 109.903 ug/l
RT: 11.58 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VD060290.D
Acq: 6 Nov 2018 14:08

Tgt Ion: 106 Resp: 2495939
Ion Ratio Lower Upper
106 100
91 194.8 159.4 239.2

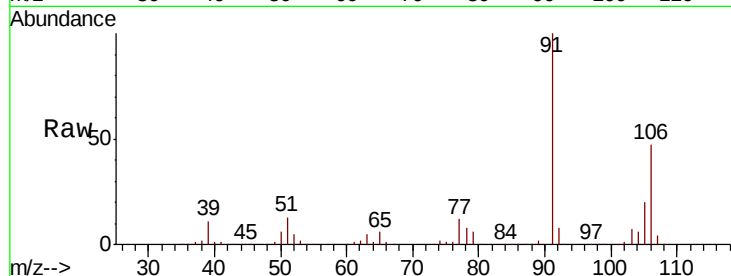




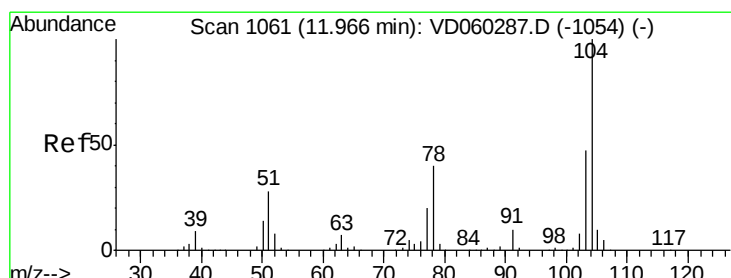
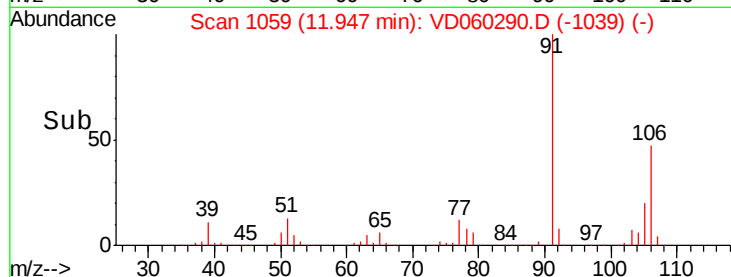
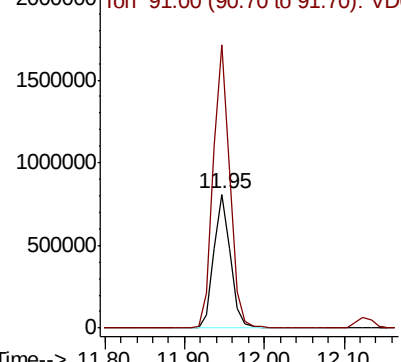
#69
o-Xylene
Concen: 54.509 ug/l
RT: 11.95 min Scan# 1059
Delta R.T. 0.00 min
Lab File: VD060290.D
Acq: 6 Nov 2018 14:08

Instrument :
MSVOA_D
ClientSampleId :
ICVVD110618

Tot Ion:106 Resp: 1195960
Ion Ratio Lower Upper
106 100
91 211.2 109.2 327.6

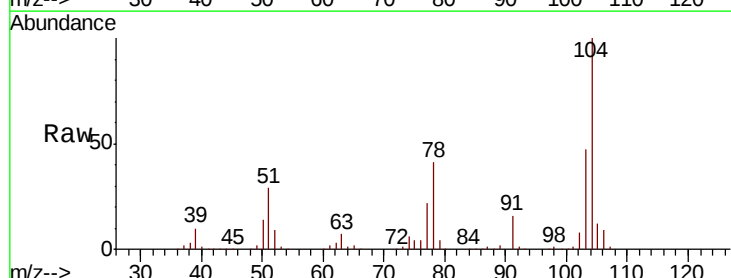


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

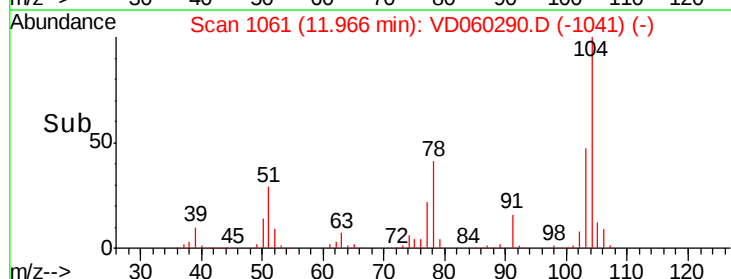
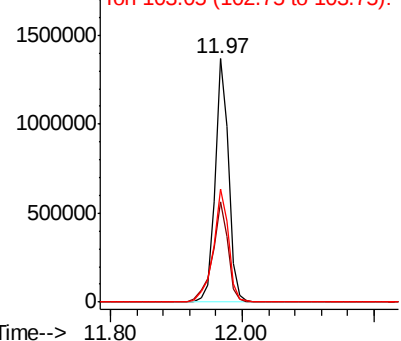


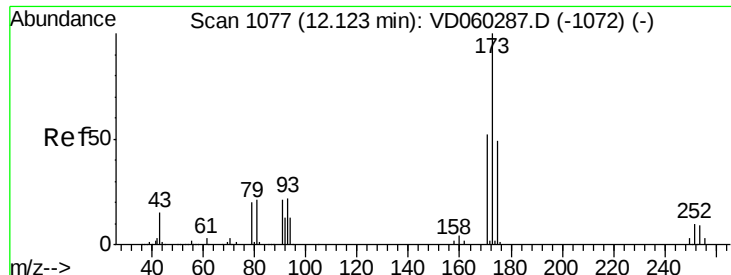
#70
Styrene
Concen: 55.567 ug/l
RT: 11.97 min Scan# 1061
Delta R.T. 0.00 min
Lab File: VD060290.D
Acq: 6 Nov 2018 14:08

Tgt Ion:104 Resp: 1970302
Ion Ratio Lower Upper
104 100
78 41.0 31.6 47.4
103 46.7 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: 58.584 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VD060290.D

Acq: 6 Nov 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

ICVVD110618

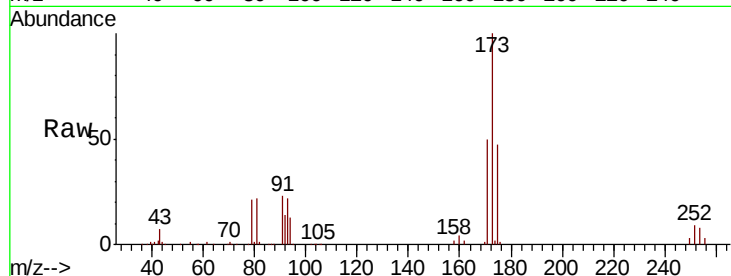
Tot Ion:173 Resp: 463560

Ion Ratio Lower Upper

173 100

175 47.5 24.3 73.0

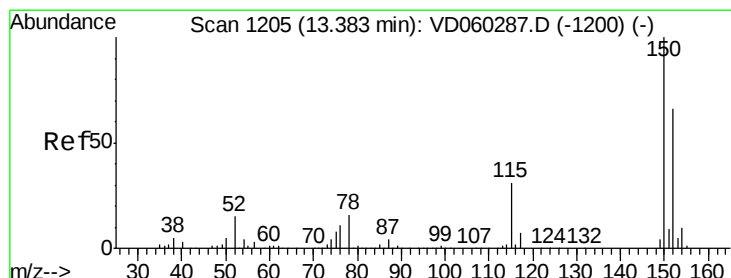
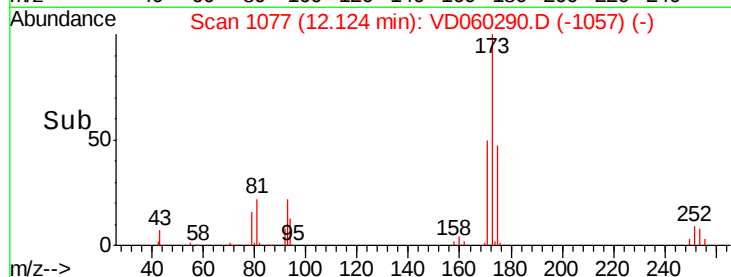
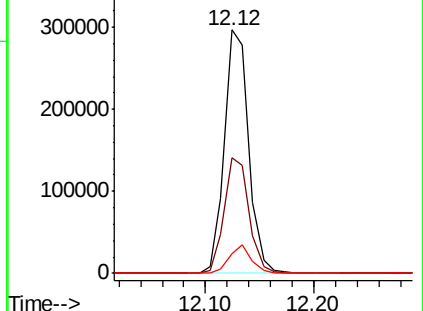
254 8.0 8.3 12.5#



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: VD060290.D

Acq: 6 Nov 2018 14:08

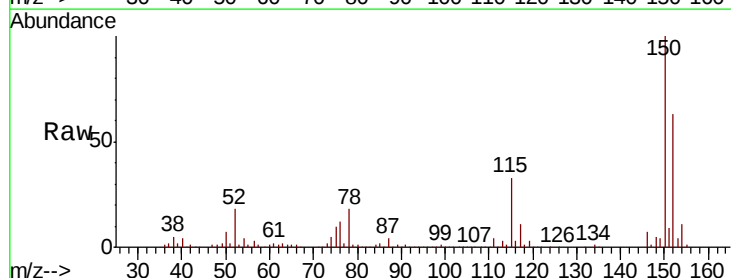
Tgt Ion:152 Resp: 868889

Ion Ratio Lower Upper

152 100

115 52.4 24.1 72.3

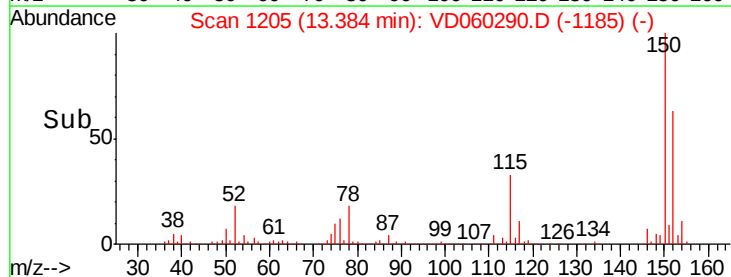
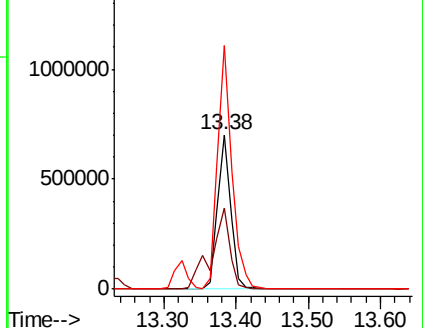
150 157.8 0.0 310.6



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: 51.997 ug/l

RT: 12.29 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VD060290.D

Acq: 6 Nov 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

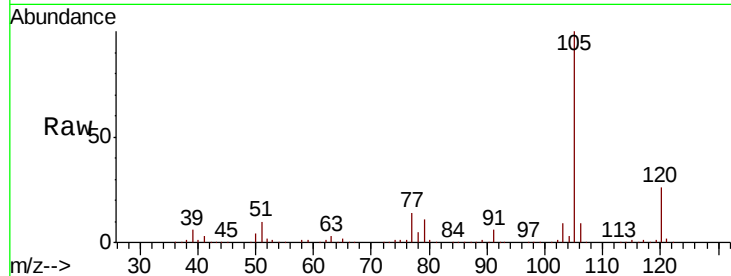
ICVVD110618

Tot Ion:105 Resp: 3291668

Ion Ratio Lower Upper

105 100

120 25.5 12.1 36.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

2500000

2000000

1500000

1000000

500000

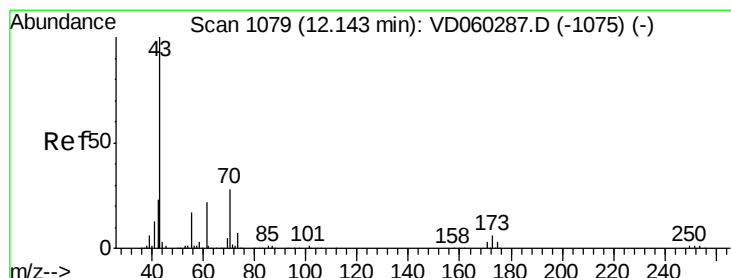
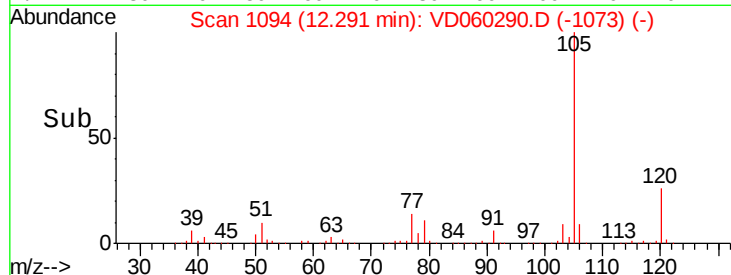
0

12.29

12.30

12.40

Time-->



#74

N-ethyl acetate

Concen: 56.033 ug/l

RT: 12.14 min Scan# 1079

Delta R.T. 0.00 min

Lab File: VD060290.D

Acq: 6 Nov 2018 14:08

Tgt Ion: 43 Resp: 909422

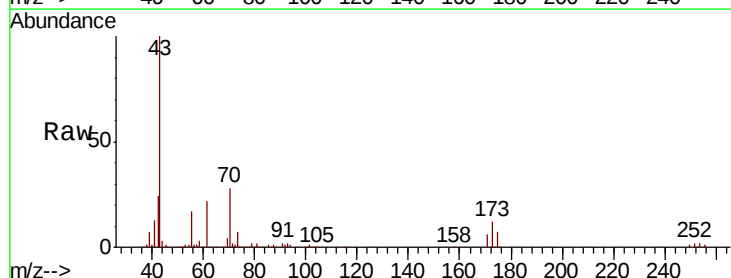
Ion Ratio Lower Upper

43 100

70 27.6 23.0 34.4

55 16.8 14.2 21.4

61 22.0 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

1000000

800000

600000

400000

200000

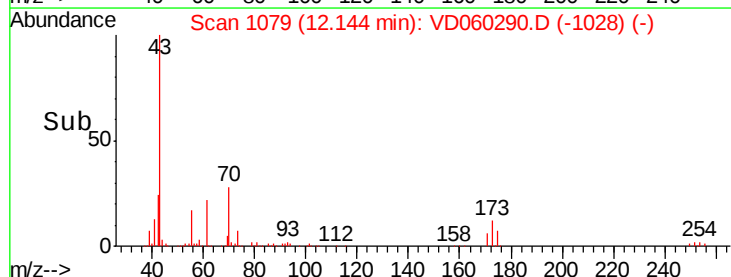
0

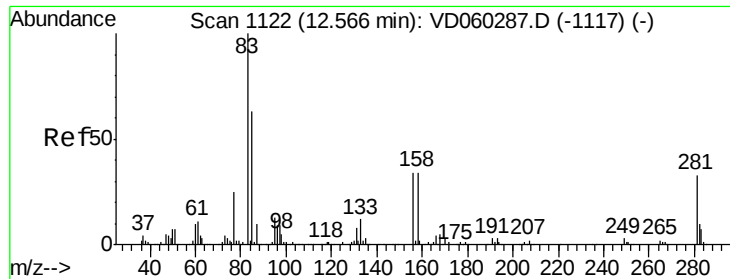
12.14

12.20

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 53.567 ug/l

RT: 12.58 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VD060290.D

Acq: 6 Nov 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

ICVVD110618

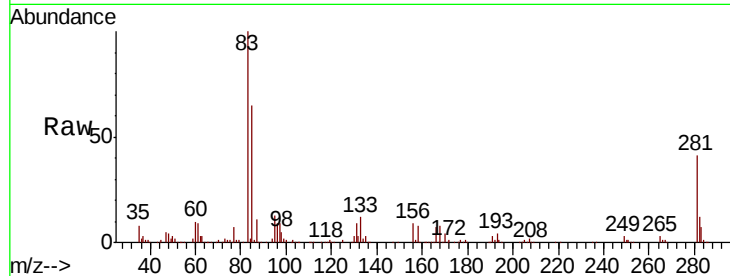
Tot Ion: 83 Resp: 554589

Ion Ratio Lower Upper

83 100

131 9.3 3.9 11.5

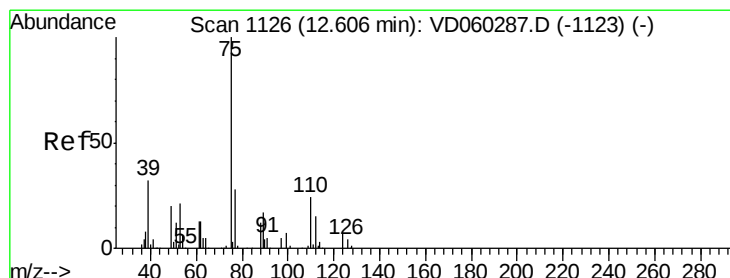
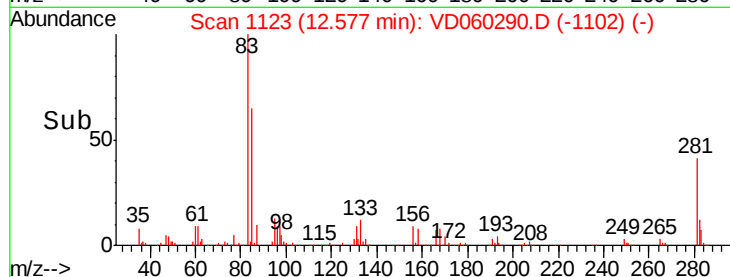
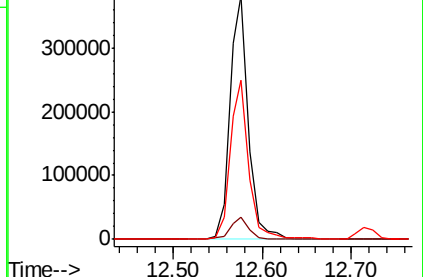
85 65.5 32.0 96.0



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 54.201 ug/l

RT: 12.61 min Scan# 1126

Delta R.T. 0.00 min

Lab File: VD060290.D

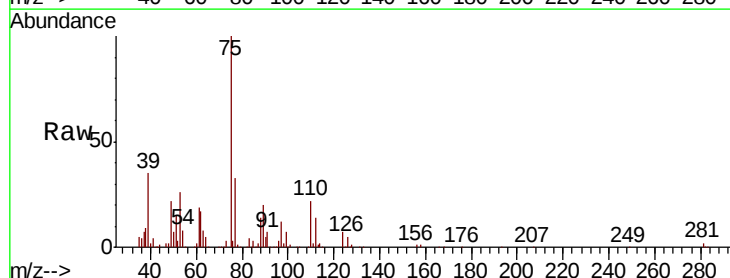
Acq: 6 Nov 2018 14:08

Tgt Ion: 75 Resp: 563363

Ion Ratio Lower Upper

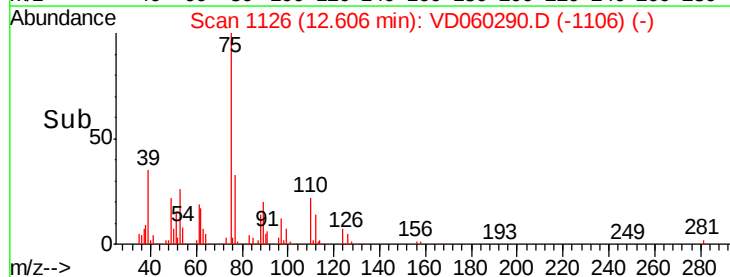
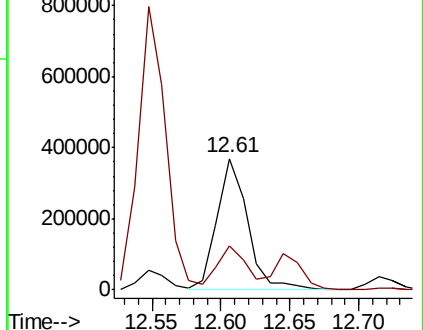
75 100

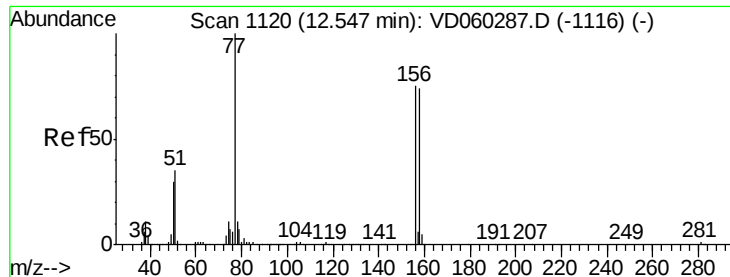
77 33.1 16.4 49.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 51.945 ug/l

RT: 12.56 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VD060290.D

Acq: 6 Nov 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

ICVVD110618

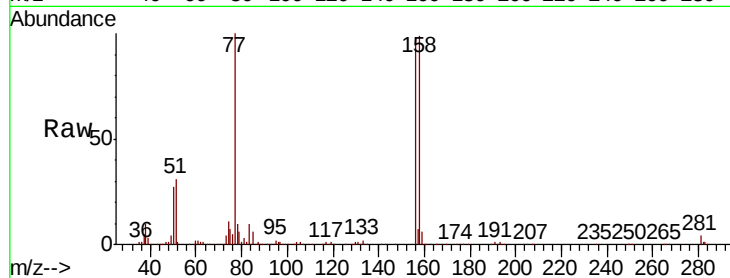
Tot Ion:156 Resp: 873476

Ion Ratio Lower Upper

156 100

77 101.8 61.2 183.6

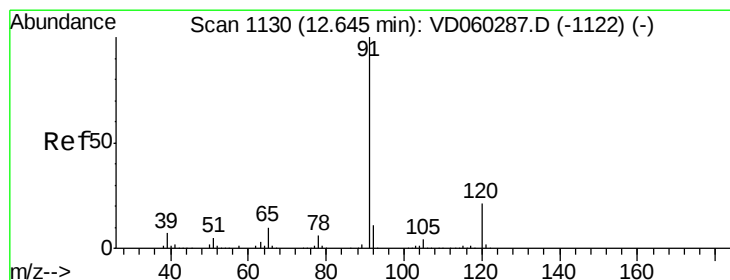
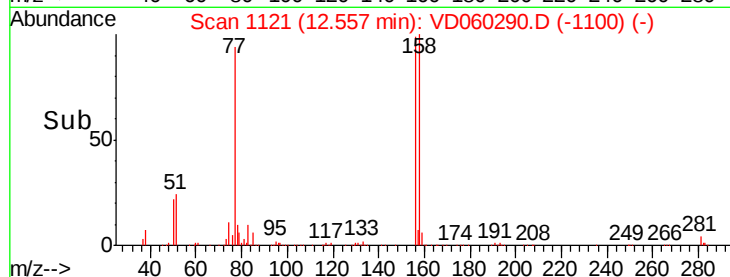
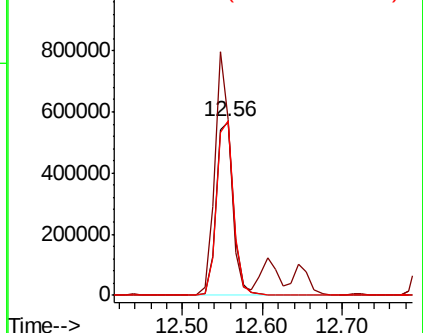
158 100.6 49.2 147.6



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: 52.028 ug/l

RT: 12.65 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VD060290.D

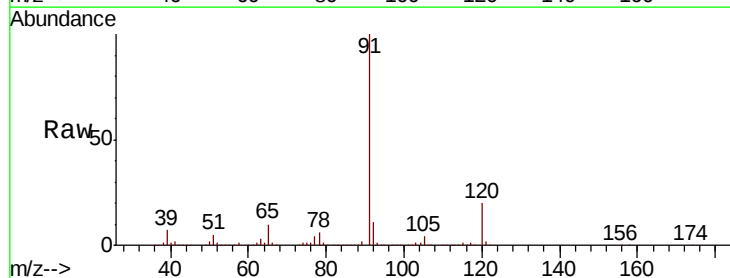
Acq: 6 Nov 2018 14:08

Tgt Ion: 91 Resp: 4111063

Ion Ratio Lower Upper

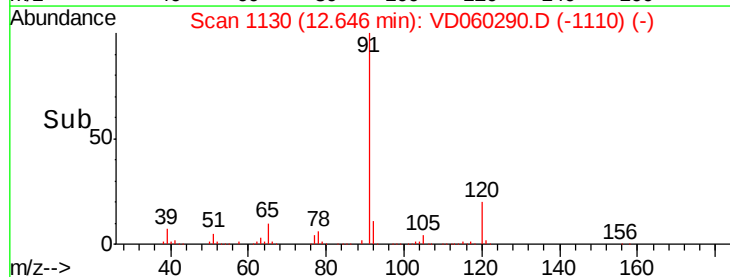
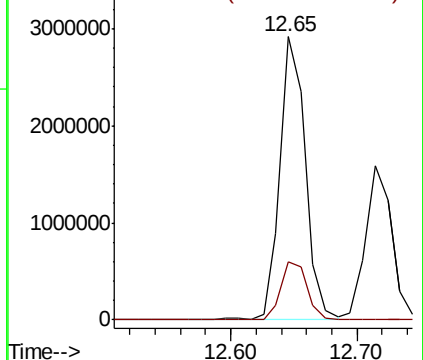
91 100

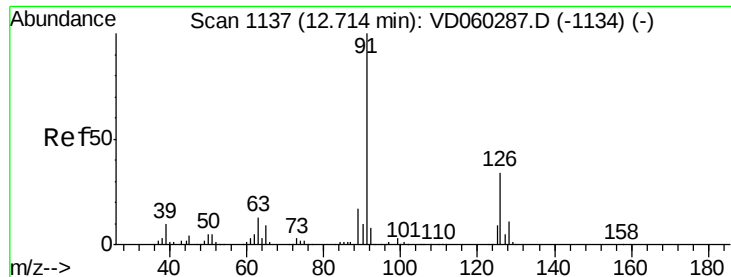
120 20.4 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 52.375 ug/l

RT: 12.71 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VD060290.D

Acq: 6 Nov 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

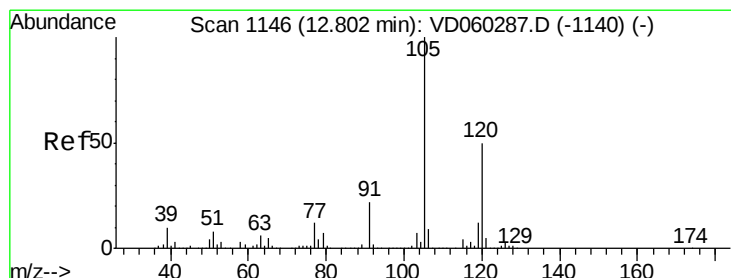
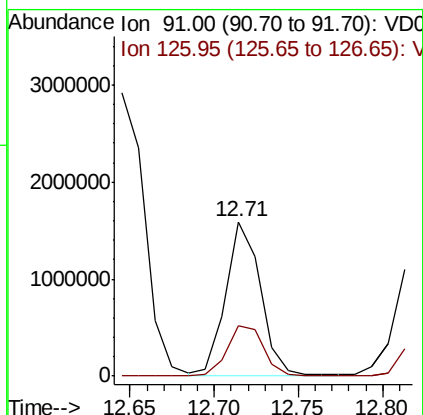
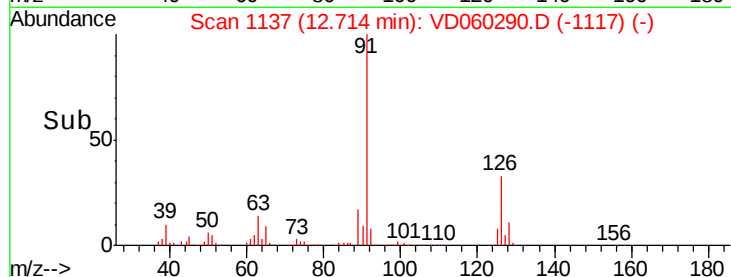
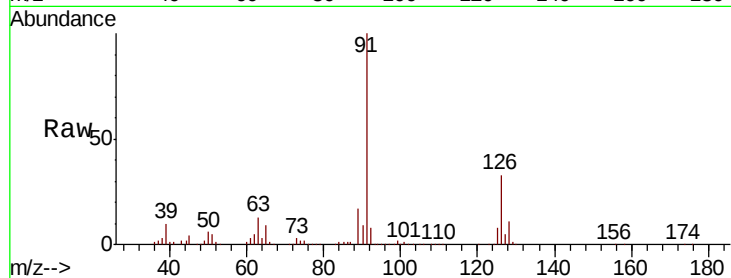
ICVVD110618

Tot Ion: 91 Resp: 2266624

Ion Ratio Lower Upper

91 100

126 32.8 17.4 52.2



#80

1,3,5-Trimethylbenzene

Concen: 51.968 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VD060290.D

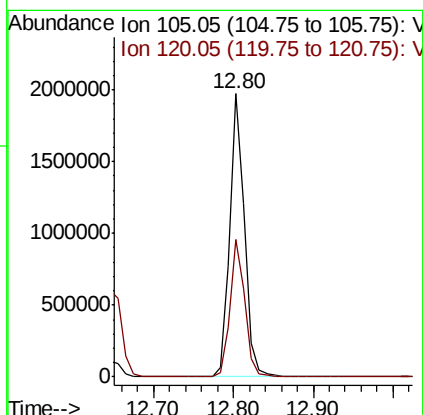
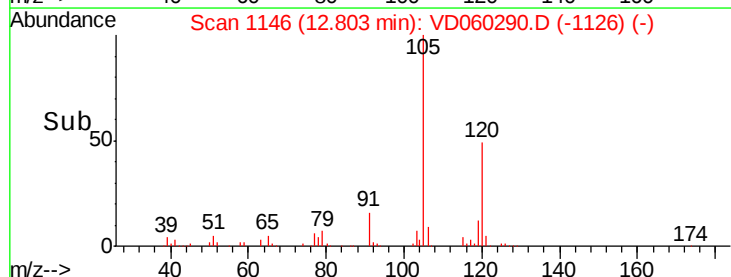
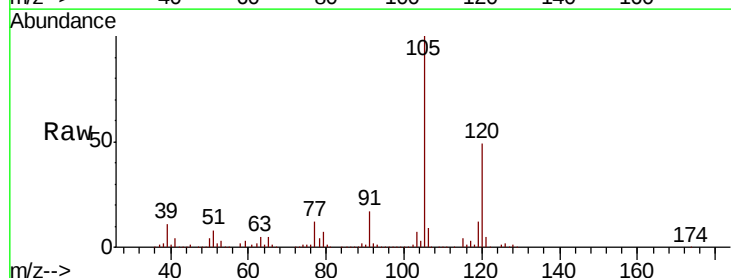
Acq: 6 Nov 2018 14:08

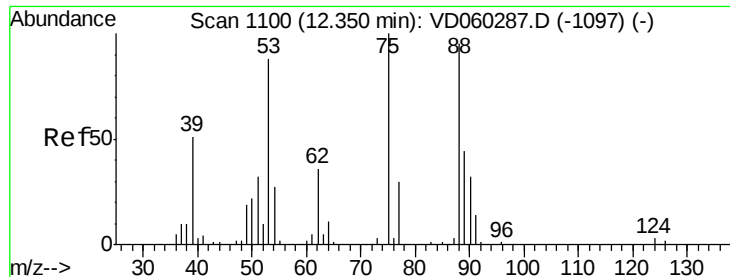
Tgt Ion:105 Resp: 2556720

Ion Ratio Lower Upper

105 100

120 48.7 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 55.214 ug/l

RT: 12.35 min Scan# 1100

Delta R.T. 0.00 min

Lab File: VD060290.D

Acq: 6 Nov 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

ICVVD110618

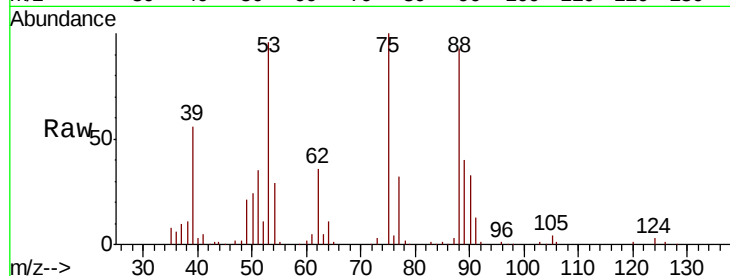
Tot Ion: 75 Resp: 163387

Ion Ratio Lower Upper

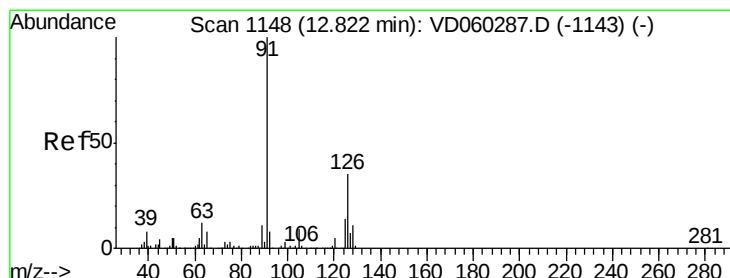
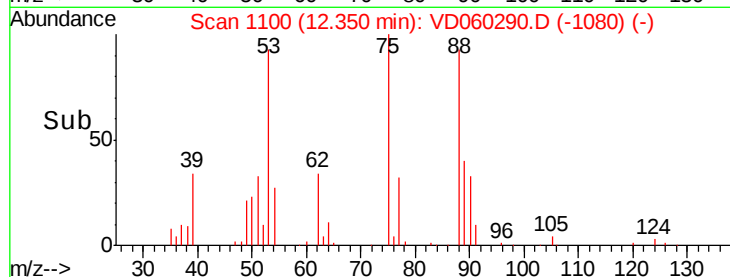
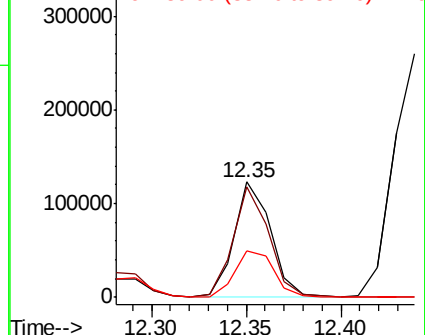
75 100

53 95.6 68.6 103.0

89 40.2 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: 51.623 ug/l

RT: 12.82 min Scan# 1148

Delta R.T. 0.00 min

Lab File: VD060290.D

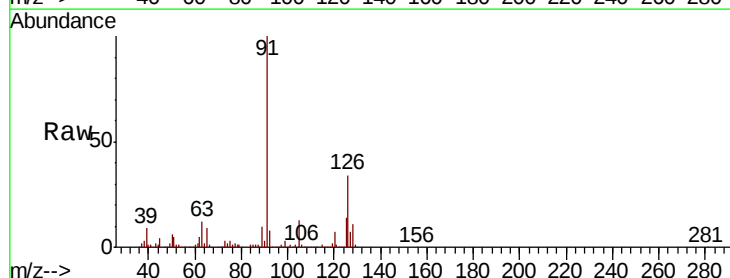
Acq: 6 Nov 2018 14:08

Tgt Ion: 91 Resp: 2509564

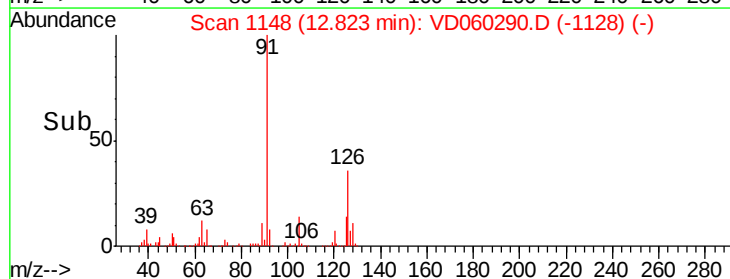
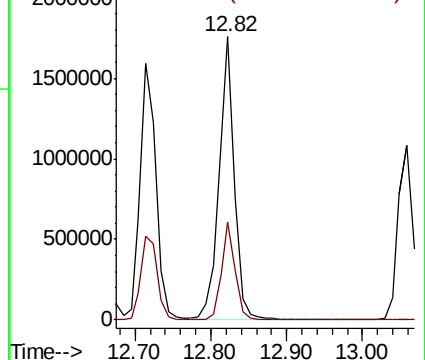
Ion Ratio Lower Upper

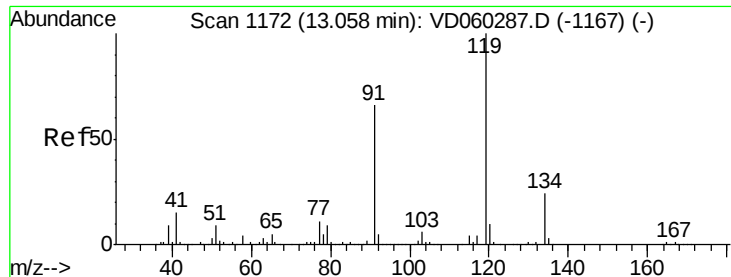
91 100

126 34.3 14.8 44.4



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

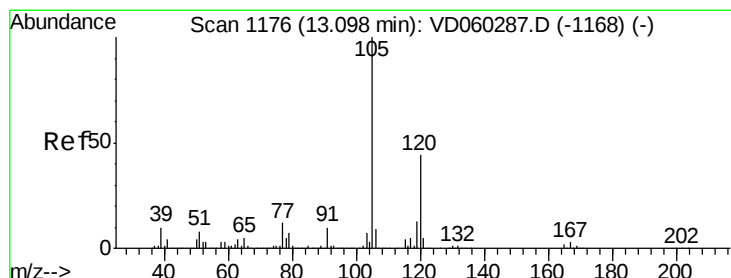
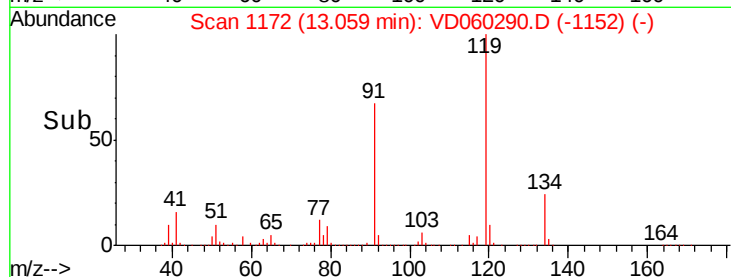
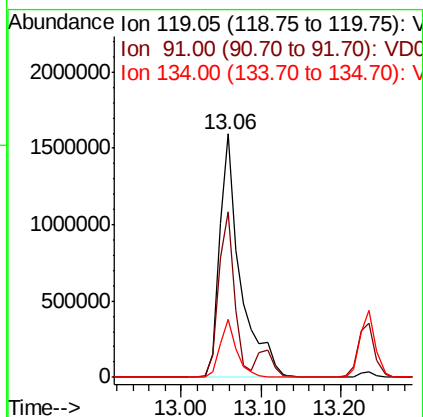
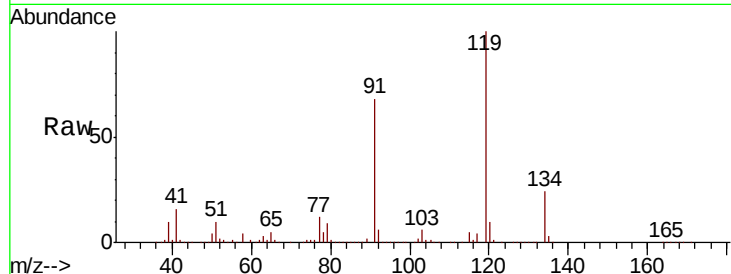




#83
tert-Butylbenzene
Concen: 53.558 ug/l
RT: 13.06 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VD060290.D
Acq: 6 Nov 2018 14:08

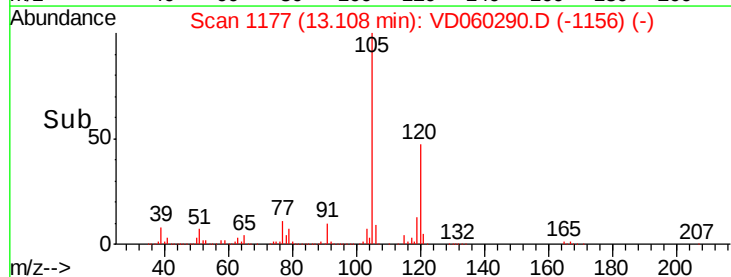
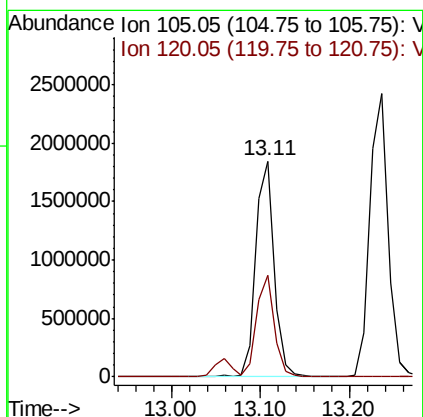
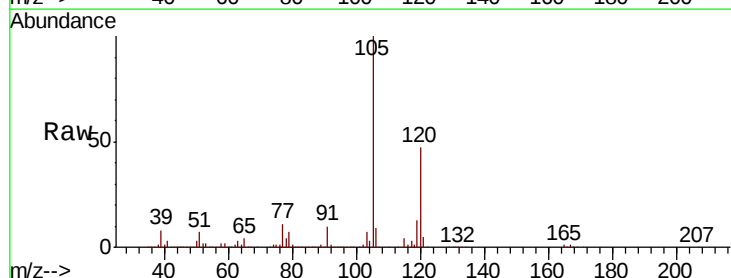
Instrument :
MSVOA_D
ClientSampleId :
ICVVD110618

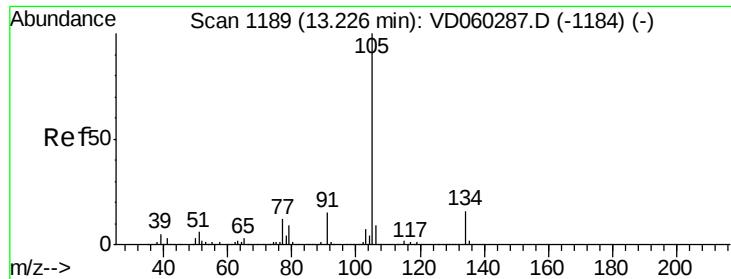
Tot Ion:119 Resp: 2925357
Ion Ratio Lower Upper
119 100
91 68.1 32.7 98.1
134 23.8 12.1 36.3



#84
1,2,4-Trimethylbenzene
Concen: 52.948 ug/l
RT: 13.11 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VD060290.D
Acq: 6 Nov 2018 14:08

Tgt Ion:105 Resp: 2601523
Ion Ratio Lower Upper
105 100
120 46.9 21.9 65.8

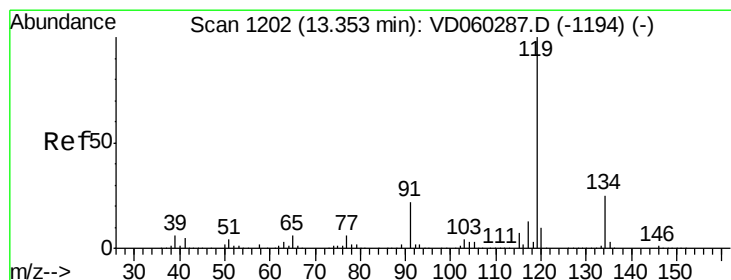
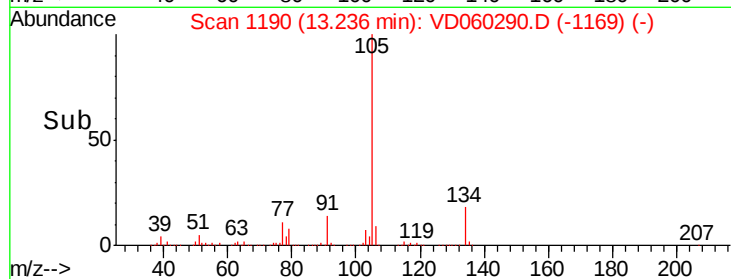
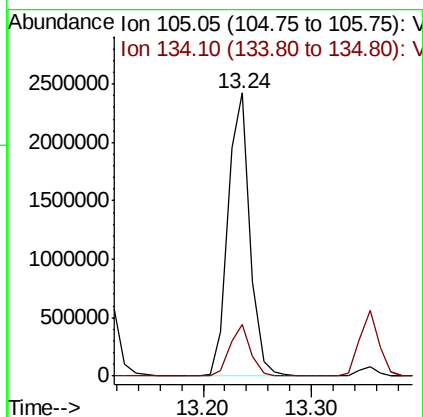
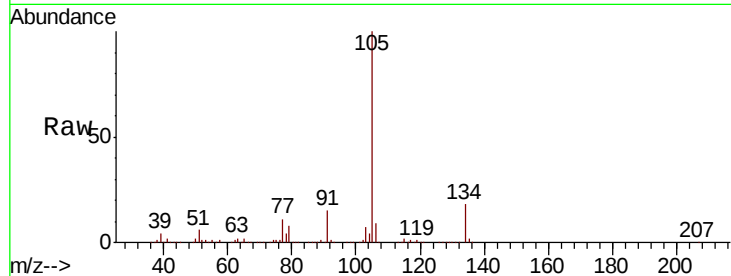




#85
 sec-Butylbenzene
 Concen: 50.514 ug/l
 RT: 13.24 min Scan# 1190
 Delta R.T. 0.01 min
 Lab File: VD060290.D
 Acq: 6 Nov 2018 14:08

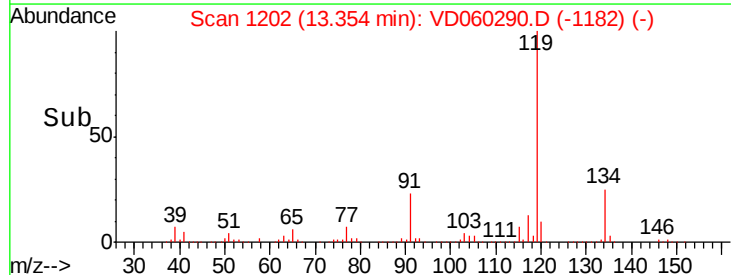
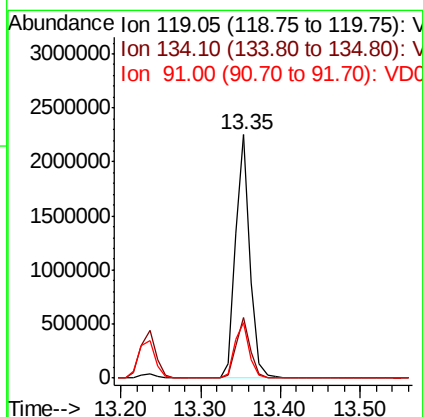
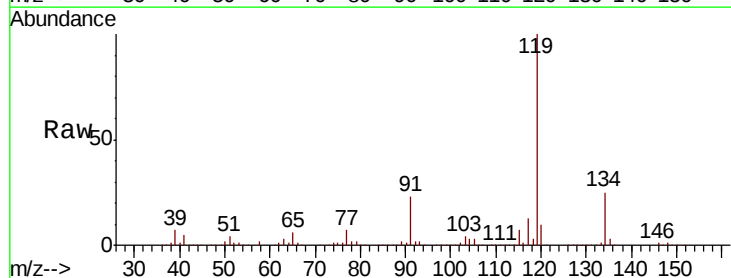
Instrument :
 MSVOA_D
 ClientSampleID :
 ICVVD110618

Tot Ion:105 Resp: 3385073
 Ion Ratio Lower Upper
 105 100
 134 18.2 8.0 24.0



#86
 p-Isopropyltoluene
 Concen: 52.668 ug/l
 RT: 13.35 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VD060290.D
 Acq: 6 Nov 2018 14:08

Tgt Ion:119 Resp: 2842239
 Ion Ratio Lower Upper
 119 100
 134 25.1 12.9 38.6
 91 23.0 11.3 33.8

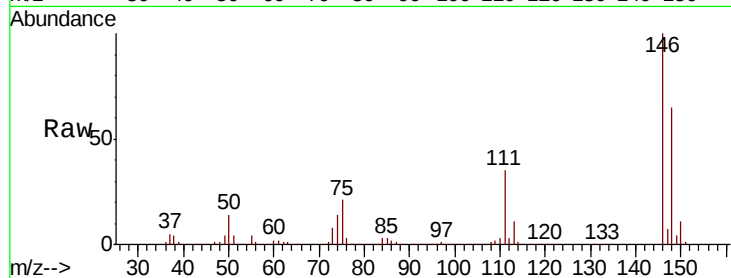




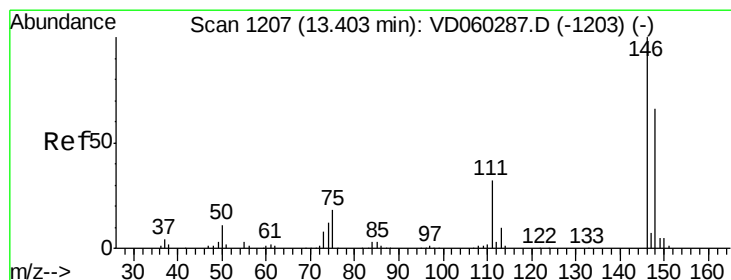
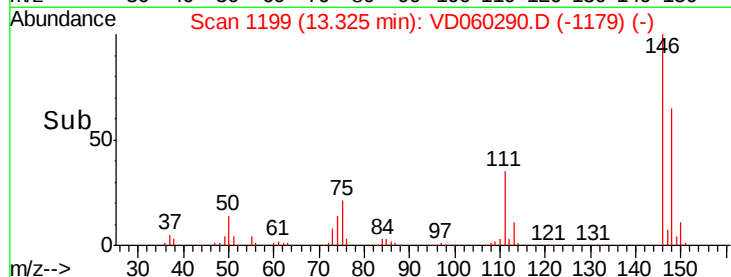
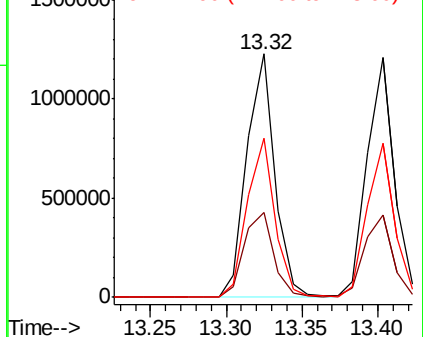
#87
 1,3-Dichlorobenzene
 Concen: 53.056 ug/l
 RT: 13.32 min Scan# 1199
 Delta R.T. 0.00 min
 Lab File: VD060290.D
 Acq: 6 Nov 2018 14:08

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD110618

Tot Ion:146 Resp: 1587289
 Ion Ratio Lower Upper
 146 100
 111 35.0 20.2 60.5
 148 65.2 32.0 96.0

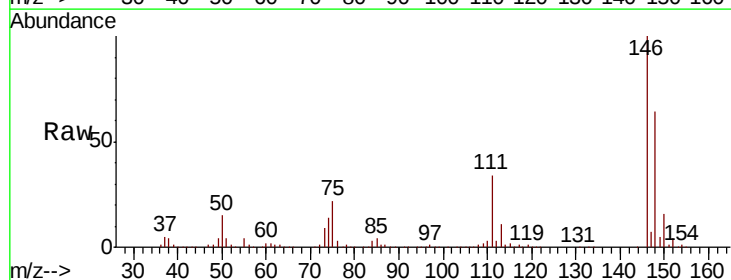


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

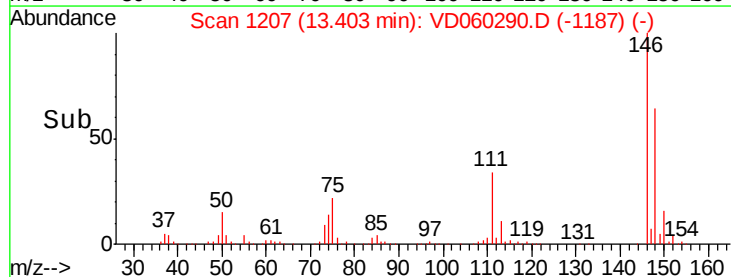
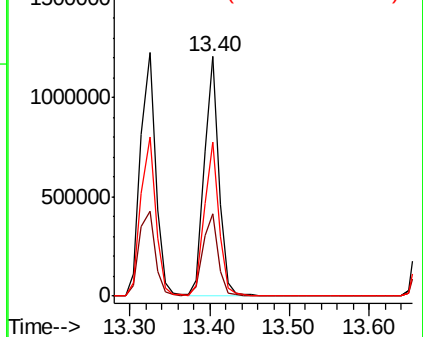


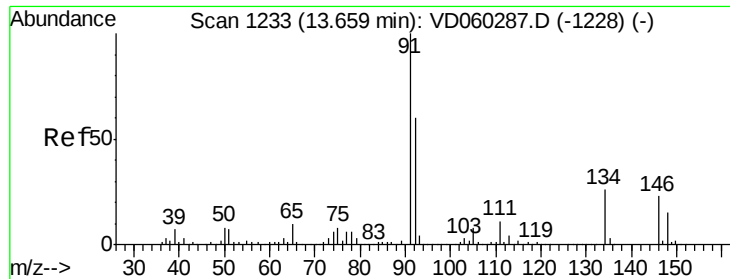
#88
 1,4-Dichlorobenzene
 Concen: 52.301 ug/l
 RT: 13.40 min Scan# 1207
 Delta R.T. 0.00 min
 Lab File: VD060290.D
 Acq: 6 Nov 2018 14:08

Tgt Ion:146 Resp: 1528152
 Ion Ratio Lower Upper
 146 100
 111 34.2 16.0 47.9
 148 64.4 32.9 98.7



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

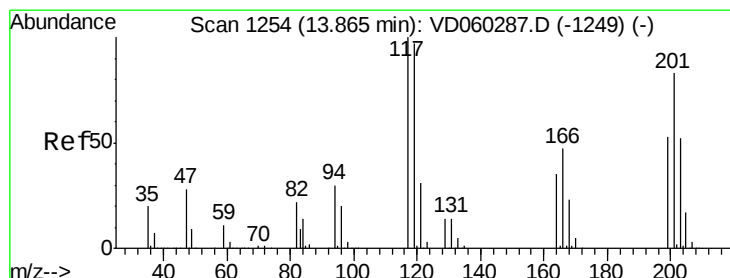
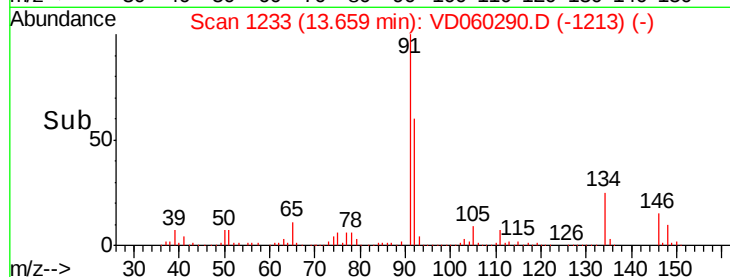
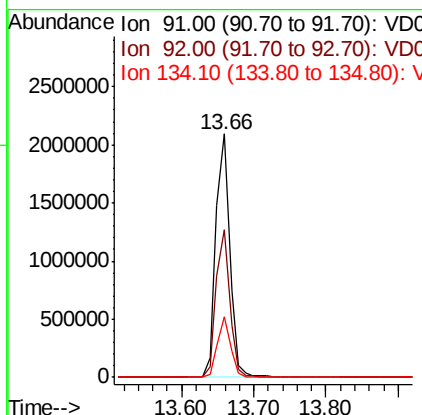
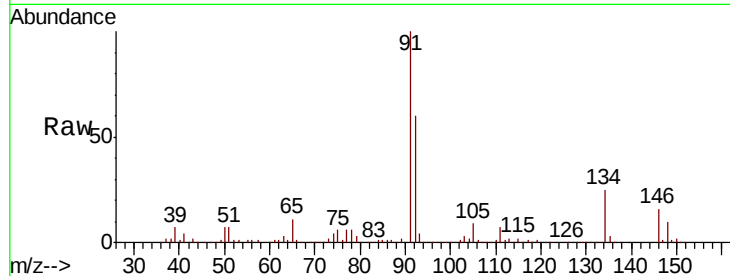




#89
n-Butylbenzene
Concen: 53.294 ug/l
RT: 13.66 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VD060290.D
Acq: 6 Nov 2018 14:08

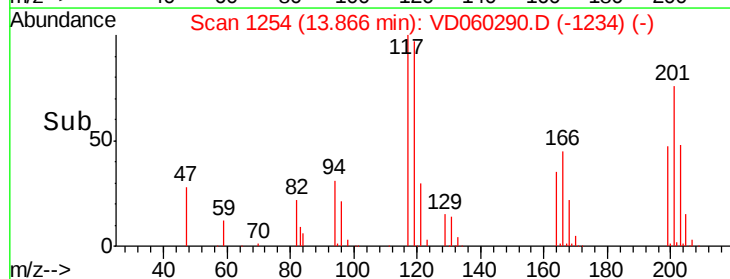
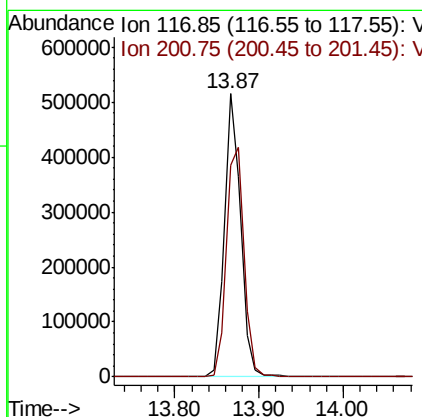
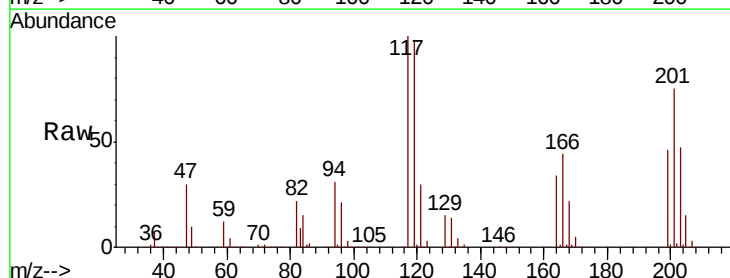
Instrument :
MSVOA_D
ClientSampleID :
ICVVD110618

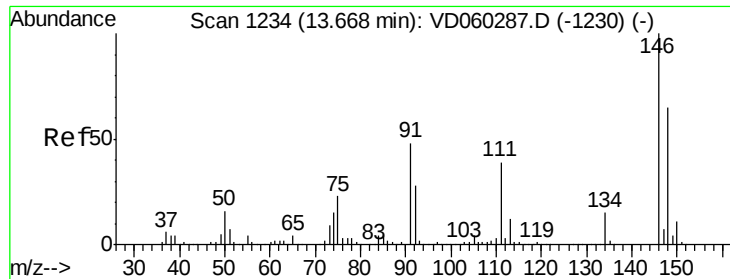
Tot Ion: 91 Resp: 2765873
Ion Ratio Lower Upper
91 100
92 60.4 30.3 90.9
134 24.7 13.0 38.9



#90
Hexachloroethane
Concen: 53.950 ug/l
RT: 13.87 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VD060290.D
Acq: 6 Nov 2018 14:08

Tgt Ion: 117 Resp: 690354
Ion Ratio Lower Upper
117 100
201 74.9 40.1 120.3





#91

1,2-Dichlorobenzene

Concen: 51.648 ug/l

RT: 13.67 min Scan# 1234

Delta R.T. 0.00 min

Lab File: VD060290.D

Acq: 6 Nov 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

ICVVD110618

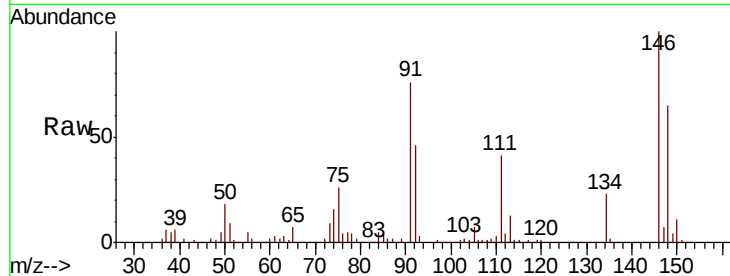
Tot Ion:146 Resp: 1269164

Ion Ratio Lower Upper

146 100

111 40.5 18.9 56.9

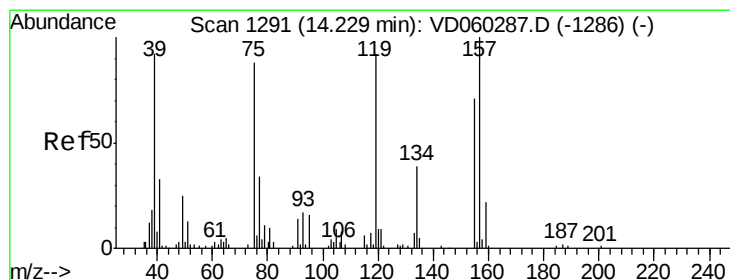
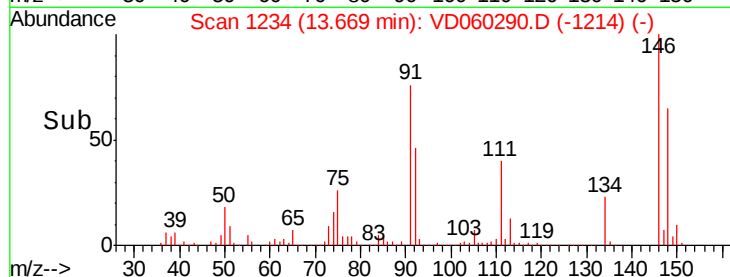
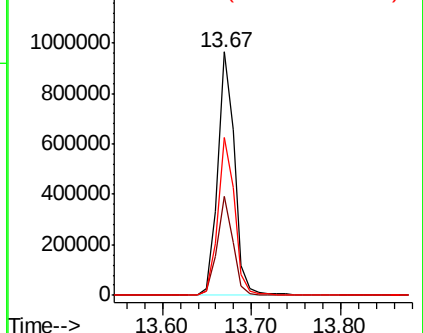
148 64.7 31.6 94.8



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: 53.723 ug/l

RT: 14.24 min Scan# 1292

Delta R.T. 0.01 min

Lab File: VD060290.D

Acq: 6 Nov 2018 14:08

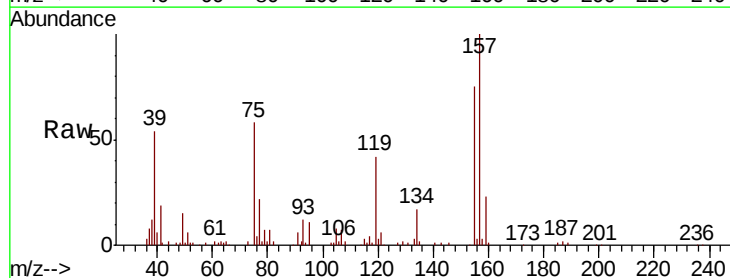
Tgt Ion: 75 Resp: 67140

Ion Ratio Lower Upper

75 100

155 129.5 64.3 192.9

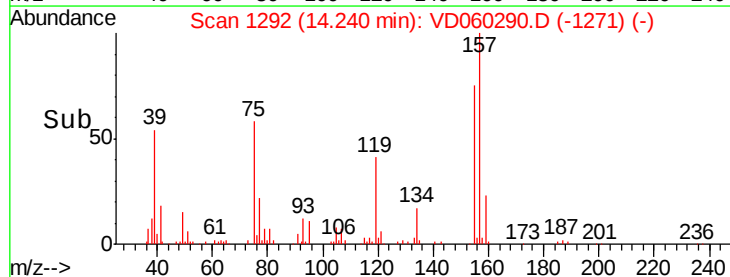
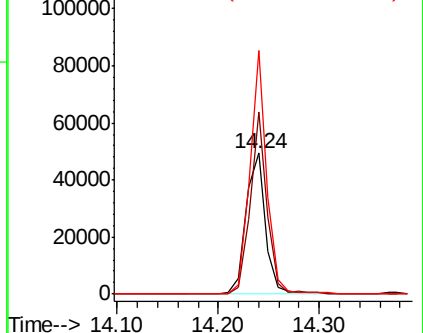
157 173.1 81.0 243.1

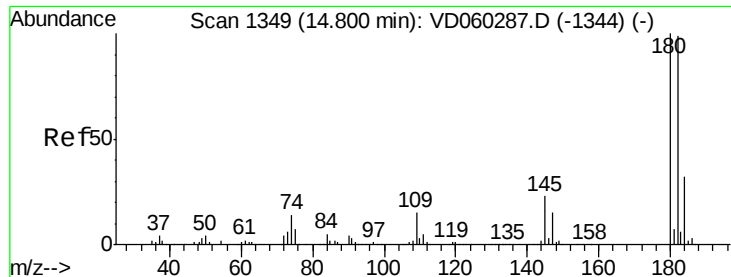


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

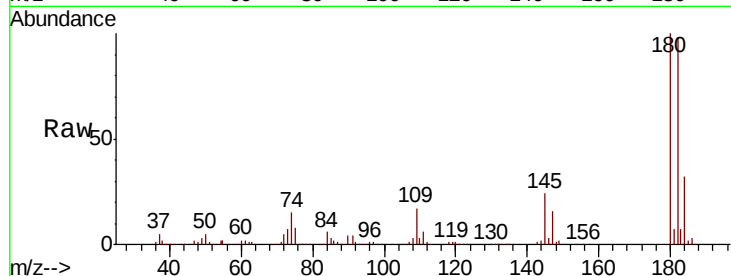




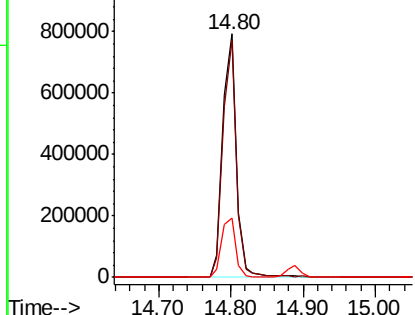
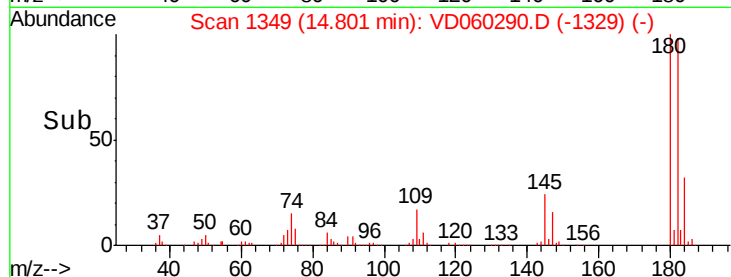
#93
 1,2,4-Trichlorobenzene
 Concen: 53.196 ug/l
 RT: 14.80 min Scan# 1349
 Delta R.T. 0.00 min
 Lab File: VD060290.D
 Acq: 6 Nov 2018 14:08

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD110618

Tot Ion:180 Resp: 1036430
 Ion Ratio Lower Upper
 180 100
 182 97.6 48.1 144.4
 145 24.3 11.5 34.4

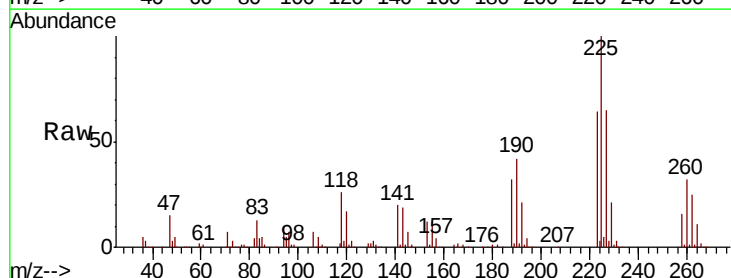


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

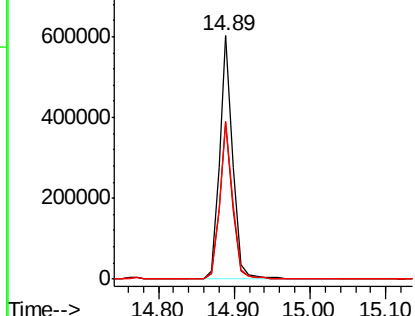
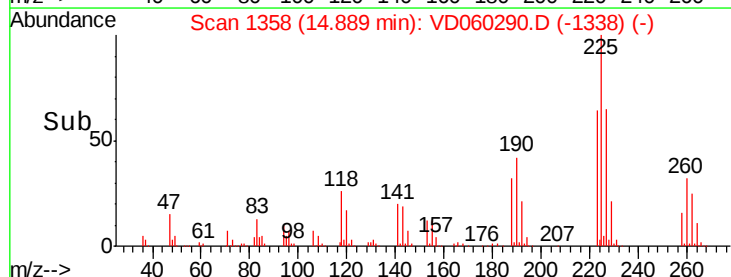


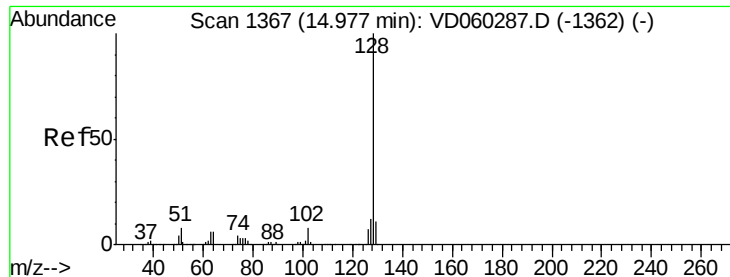
#94
 Hexachlorobutadiene
 Concen: 50.804 ug/l
 RT: 14.89 min Scan# 1358
 Delta R.T. 0.00 min
 Lab File: VD060290.D
 Acq: 6 Nov 2018 14:08

Tgt Ion:225 Resp: 740363
 Ion Ratio Lower Upper
 225 100
 223 64.4 31.6 94.8
 227 64.9 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: 53.776 ug/l

RT: 14.98 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VD060290.D

Acq: 6 Nov 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

ICVVD110618

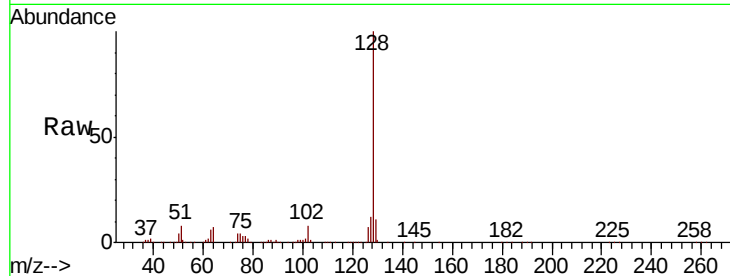
Tot Ion:128 Resp: 1279355

Ion Ratio Lower Upper

128 100

127 12.1 9.6 14.4

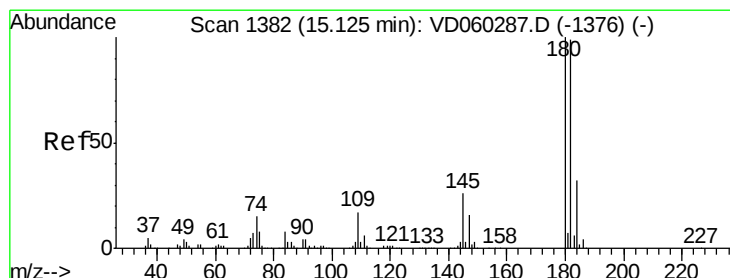
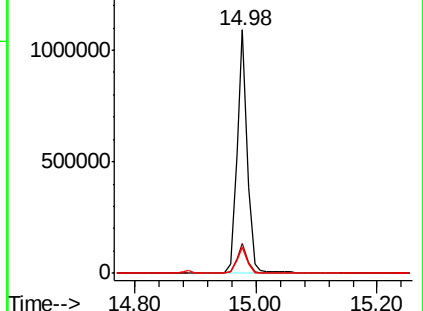
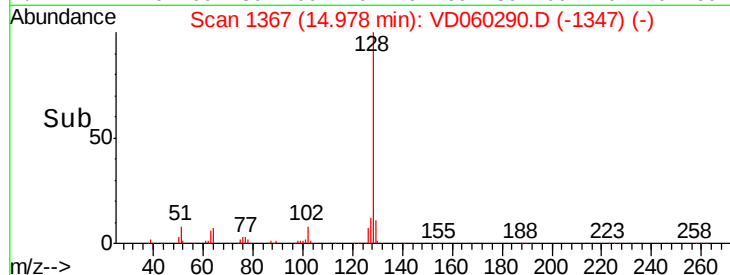
129 10.9 8.6 12.8



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: 53.411 ug/l

RT: 15.13 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VD060290.D

Acq: 6 Nov 2018 14:08

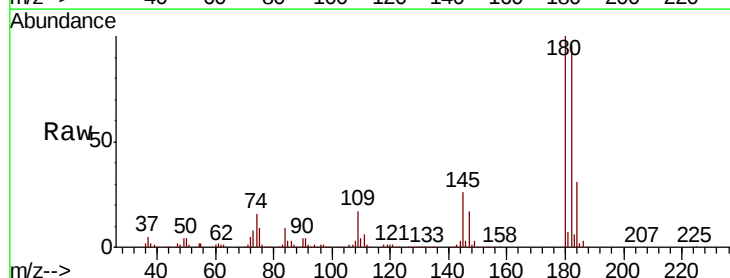
Tgt Ion:180 Resp: 833876

Ion Ratio Lower Upper

180 100

182 96.2 48.9 146.7

145 26.5 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

