

Data File : VD060496.D
Acq On : 5 Dec 2018 17:26
Operator : VA/AP
Sample : VSTDICV050
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
ICVVD120518

Quant Time: Dec 06 01:55:17 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 06 01:49:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1571123	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	2217629	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1774176	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	912067	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.79	65	561738	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	
35) Dibromofluoromethane	6.32	113	792771	48.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.34%	
50) Toluene-d8	9.45	98	2290971	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
62) 4-Bromofluorobenzene	12.43	95	819207	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.60	85	697552	46.185	ug/l	99
3) Chloromethane	1.77	50	724293	44.869	ug/l	97
4) Vinyl Chloride	1.87	62	591801	45.936	ug/l	98
5) Bromomethane	2.16	94	169954	52.731	ug/l	97
6) Chloroethane	2.27	64	193690	45.557	ug/l	97
7) Trichlorofluoromethane	2.53	101	685040	46.051	ug/l	98
8) Diethyl Ether	2.84	74	135886	52.885	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.11	101	453410	46.976	ug/l	99
10) Methyl Iodide	3.25	142	534707	47.394	ug/l	97
11) Tert butyl alcohol	3.97	59	134480	297.242	ug/l	95
12) 1,1-Dichloroethene	3.09	96	365102	46.492	ug/l	98
13) Acrolein	3.00	56	122320	247.432	ug/l	92
14) Allyl chloride	3.55	41	759392	50.968	ug/l	99
15) Acrylonitrile	4.09	53	709498	276.186	ug/l	95
16) Acetone	3.17	43	437181	244.917	ug/l	99
17) Carbon Disulfide	3.32	76	1154906	45.275	ug/l	100
18) Methyl Acetate	3.57	43	217099	51.174	ug/l	99
19) Methyl tert-butyl Ether	4.13	73	1192962	54.779	ug/l	100
20) Methylene Chloride	3.73	84	843242	51.591	ug/l	94
21) trans-1,2-Dichloroethene	4.11	96	860871	50.396	ug/l	97
22) Diisopropyl ether	4.86	45	2724991	50.939	ug/l	96
23) Vinyl Acetate	4.81	43	7105607	268.092	ug/l	99
24) 1,1-Dichloroethane	4.76	63	1371413	49.348	ug/l	99
25) 2-Butanone	5.63	43	1010288	287.679	ug/l	99
26) 2,2-Dichloropropane	5.60	77	1030632	48.006	ug/l	97
27) cis-1,2-Dichloroethene	5.60	96	900288	51.834	ug/l	97
28) Bromochloromethane	5.93	49	618119	50.209	ug/l	99
29) Tetrahydrofuran	5.96	42	533594	268.314	ug/l	99
30) Chloroform	6.11	83	1368047	48.862	ug/l	98
31) Cyclohexane	6.37	56	1208523	50.925	ug/l	99
32) 1,1,1-Trichloroethane	6.29	97	1152483	50.071	ug/l	99
36) 1,1-Dichloropropene	6.53	75	1005577	46.390	ug/l	98
37) Ethyl Acetate	5.70	43	493816	52.528	ug/l	99
38) Carbon Tetrachloride	6.50	117	946722	48.648	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	1195828	48.392	ug/l	98
40) Benzene	6.80	78	2749122	49.624	ug/l	100
41) Methacrylonitrile	5.95	41	582215	114.887	ug/l #	70
42) 1,2-Dichloroethane	6.89	62	717520	50.940	ug/l	100
43) Isopropyl Acetate	8.35	43	650642	56.067	ug/l #	96
44) Trichloroethene	7.74	130	832813	50.302	ug/l	99
45) 1,2-Dichloropropane	8.11	63	693984	50.650	ug/l	99
46) Dibromomethane	8.21	93	418524	52.868	ug/l	97
47) Bromodichloromethane	8.49	83	974064	51.857	ug/l	99
48) Methyl methacrylate	8.24	41	388027	56.510	ug/l	98
49) 1,4-Dioxane	8.22	88	74430	1195.989	ug/l	97
51) 4-Methyl-2-Pentanone	9.35	43	2055465	284.742	ug/l	99
52) Toluene	9.55	92	1687477	48.734	ug/l	99
53) t-1,3-Dichloropropene	9.92	75	828777	53.697	ug/l	99
54) cis-1,3-Dichloropropene	9.10	75	1033061	50.944	ug/l	99
55) 1,1,2-Trichloroethane	10.18	97	499723	51.824	ug/l	99
56) Ethyl methacrylate	10.03	69	490271	56.180	ug/l	97
57) 1,3-Dichloropropane	10.38	76	756652	50.761	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.92	63	1411290	270.276	ug/l	99
59) 2-Hexanone	10.49	43	1438086	285.013	ug/l	100
60) Dibromochloromethane	10.64	129	654297	54.272	ug/l	98
61) 1,2-Dibromoethane	10.76	107	534109	54.352	ug/l	99
64) Tetrachloroethene	10.25	164	740657	47.145	ug/l	98
65) Chlorobenzene	11.31	112	1827056	48.678	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.42	131	612696	50.646	ug/l	97
67) Ethyl Benzene	11.43	91	3056103	47.736	ug/l	98
68) m/p-Xylenes	11.57	106	2360478	99.661	ug/l	97
69) o-Xylene	11.93	106	1099061	48.691	ug/l	98
70) Styrene	11.95	104	1809673	49.949	ug/l	98
71) Bromoform	12.11	173	446685	55.343	ug/l	99
73) Isopropylbenzene	12.28	105	3059356	47.402	ug/l	99
74) N-amyl acetate	12.13	43	853281	54.703	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.56	83	541382	52.396	ug/l	98
76) 1,2,3-Trichloropropane	12.59	75	534115	51.684	ug/l	99
77) Bromobenzene	12.54	156	837922	49.391	ug/l	90
78) n-propylbenzene	12.64	91	3850447	47.195	ug/l	97
79) 2-Chlorotoluene	12.70	91	2126225	48.027	ug/l	94
80) 1,3,5-Trimethylbenzene	12.79	105	2406382	48.794	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.34	75	156686	54.362	ug/l	96
82) 4-Chlorotoluene	12.81	91	2297776	46.211	ug/l	96
83) tert-Butylbenzene	13.05	119	2672927	48.339	ug/l	96
84) 1,2,4-Trimethylbenzene	13.09	105	2379581	46.599	ug/l	99
85) sec-Butylbenzene	13.22	105	3300203	47.885	ug/l	97
86) p-Isopropyltoluene	13.34	119	2596675	47.529	ug/l	97
87) 1,3-Dichlorobenzene	13.31	146	1474188	47.993	ug/l	96
88) 1,4-Dichlorobenzene	13.39	146	1458704	48.408	ug/l	97
89) n-Butylbenzene	13.65	91	2512301	45.618	ug/l	98
90) Hexachloroethane	13.86	117	668832	48.827	ug/l	79
91) 1,2-Dichlorobenzene	13.67	146	1189995	47.406	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.23	75	68895	55.029	ug/l	75

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD120518\
Quantitation Report (Not Reviewed)

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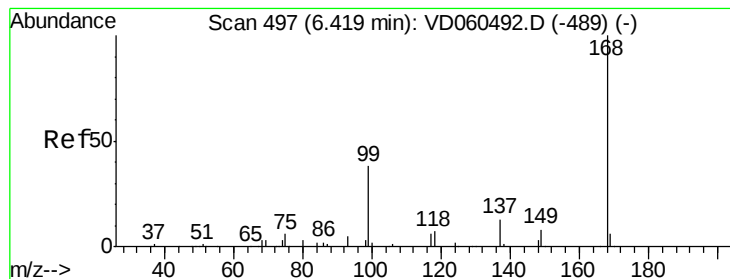
Instrument :
MSVOA_D
ClientSampleId :
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QLast Update : Thu Dec 06 01:49:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	978457	49.862	ug/l	97
94) Hexachlorobutadiene	14.88	225	721450	49.830	ug/l	99
95) Naphthalene	14.96	128	1274378	54.589	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	812168	51.943	ug/l	99

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

[illegible]



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 497

Delta R.T. -0.01 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

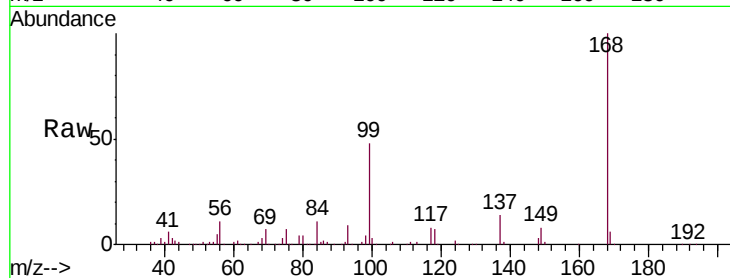
ICVVD120518

Tgt Ion:168 Resp: 1571123

Ion Ratio Lower Upper

168 100

99 48.5 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.41

600000

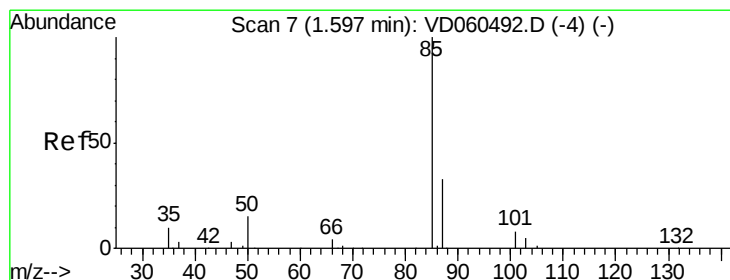
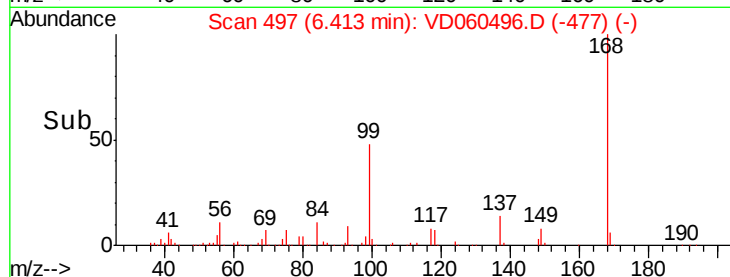
400000

200000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 46.185 ug/l

RT: 1.60 min Scan# 8

Delta R.T. 0.00 min

Lab File: VD060496.D

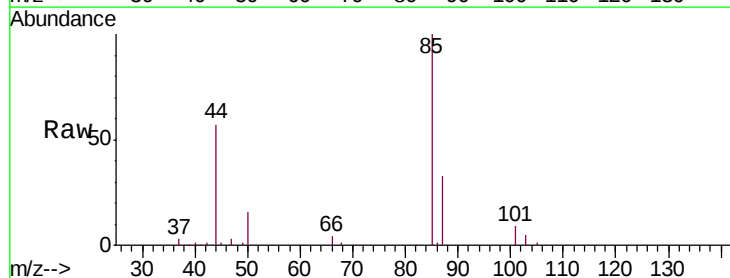
Acq: 5 Dec 2018 17:26

Tgt Ion: 85 Resp: 697552

Ion Ratio Lower Upper

85 100

87 32.8 16.7 50.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.60

300000

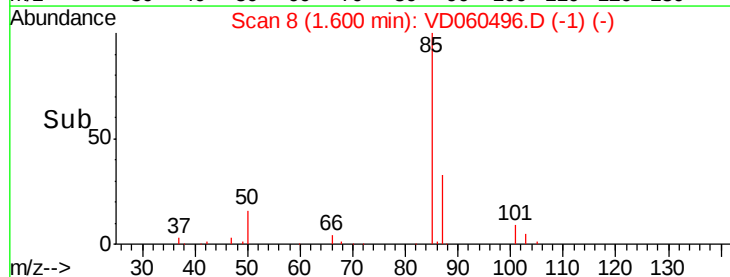
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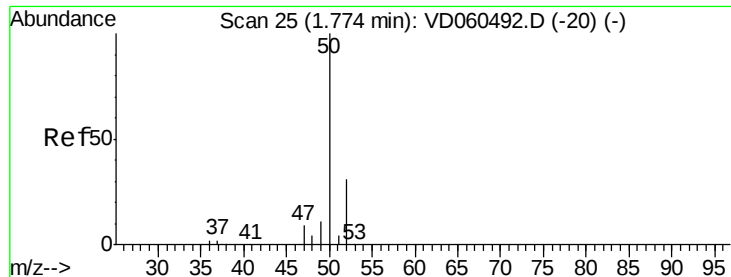
100000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 44.869 ug/l

RT: 1.77 min Scan# 25

Delta R.T. -0.01 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

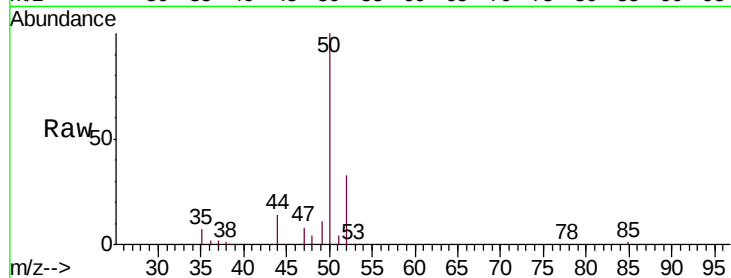
ICVVD120518

Tgt Ion: 50 Resp: 724293

Ion Ratio Lower Upper

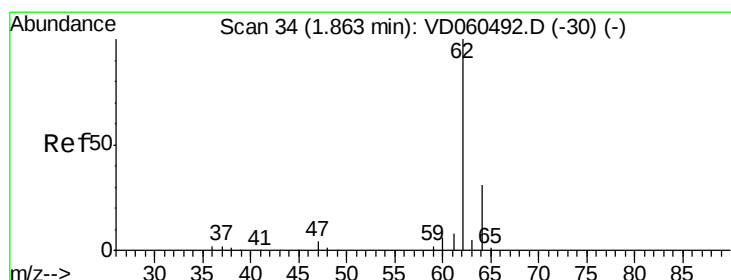
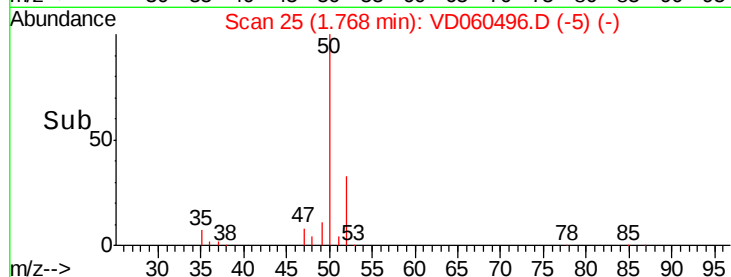
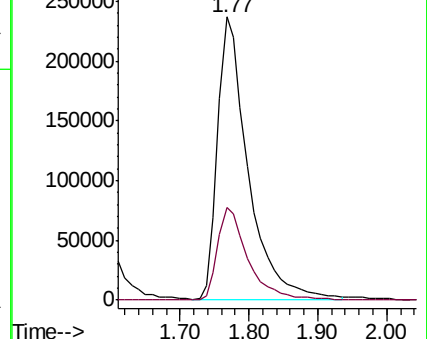
50 100

52 32.9 25.0 37.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 45.936 ug/l

RT: 1.87 min Scan# 35

Delta R.T. 0.00 min

Lab File: VD060496.D

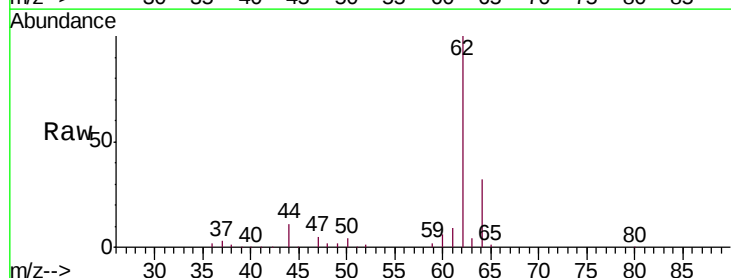
Acq: 5 Dec 2018 17:26

Tgt Ion: 62 Resp: 591801

Ion Ratio Lower Upper

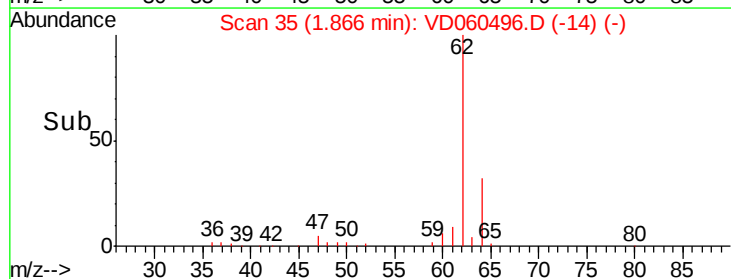
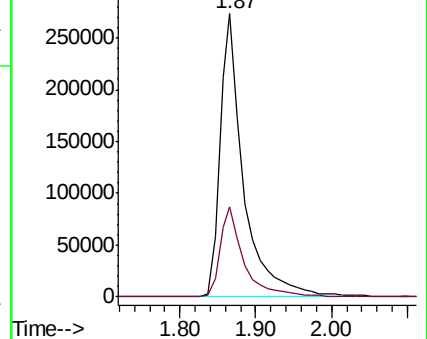
62 100

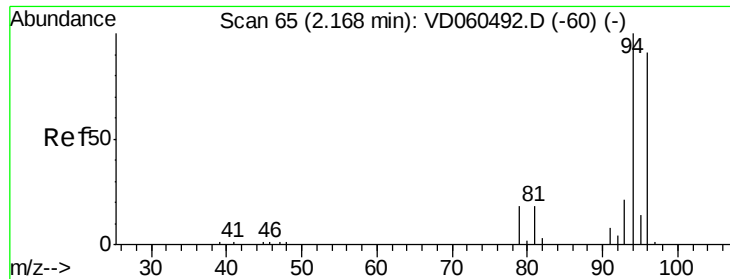
64 31.7 24.6 37.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 52.731 ug/l

RT: 2.16 min Scan# 65

Delta R.T. -0.01 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

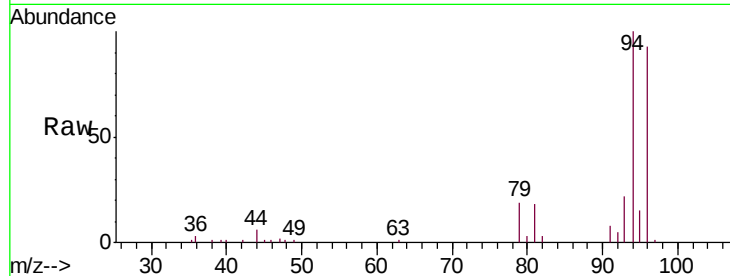
ICVVD120518

Tgt Ion: 94 Resp: 169954

Ion Ratio Lower Upper

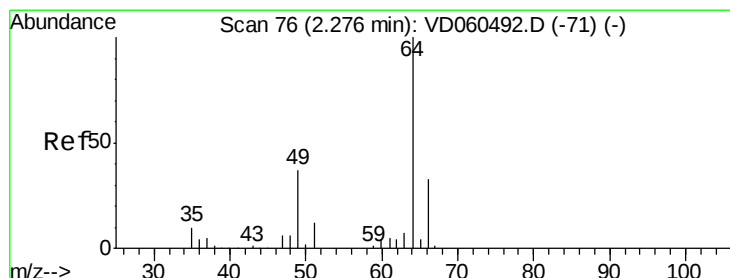
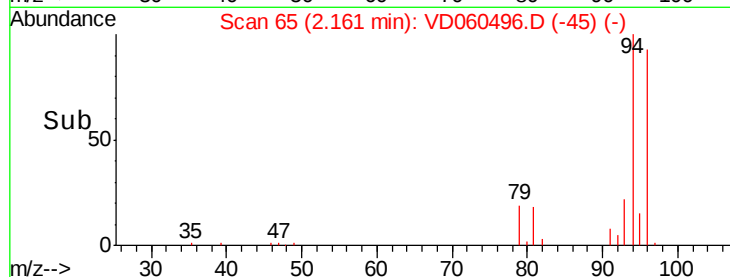
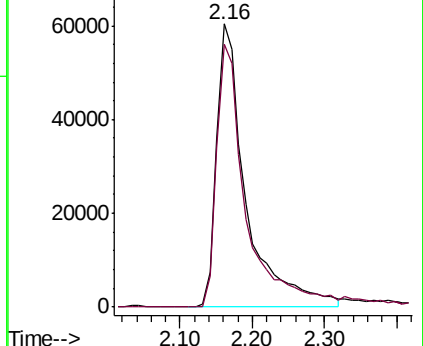
94 100

96 93.1 72.6 108.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 45.557 ug/l

RT: 2.27 min Scan# 76

Delta R.T. -0.01 min

Lab File: VD060496.D

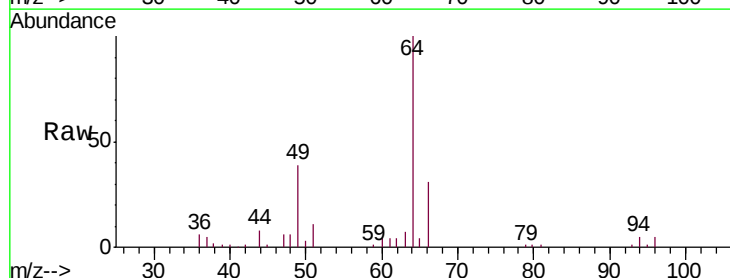
Acq: 5 Dec 2018 17:26

Tgt Ion: 64 Resp: 193690

Ion Ratio Lower Upper

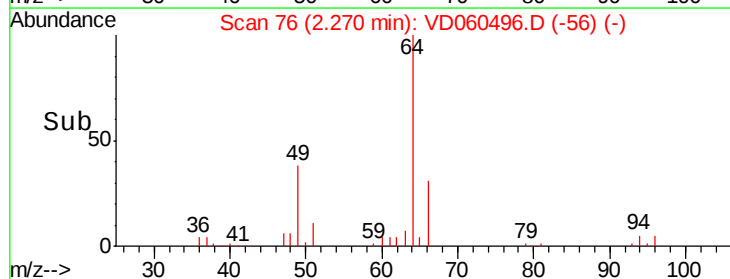
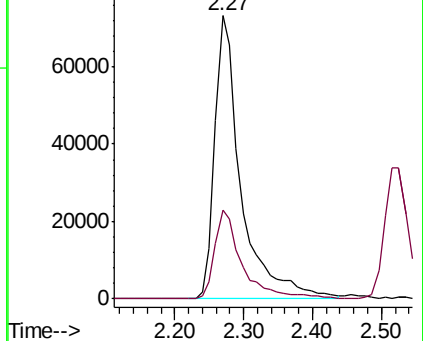
64 100

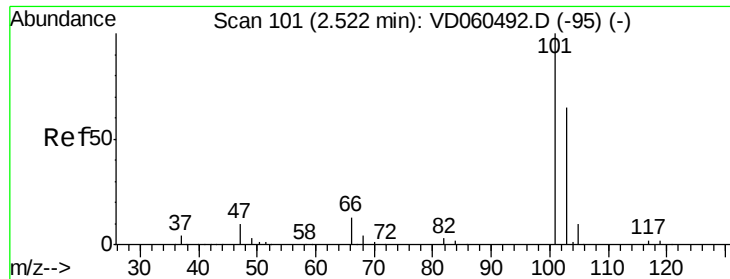
66 31.3 26.4 39.6



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



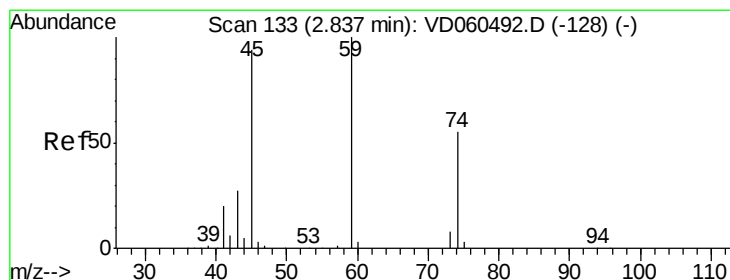
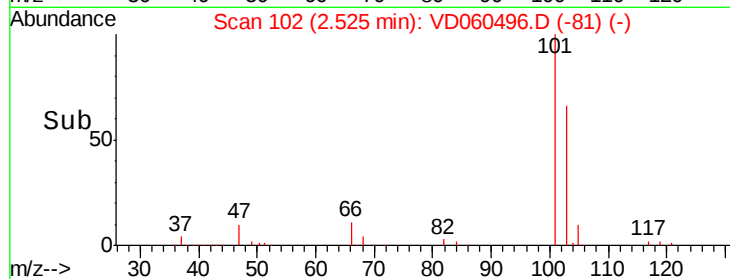
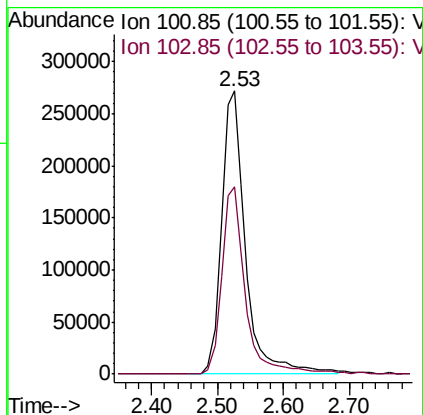
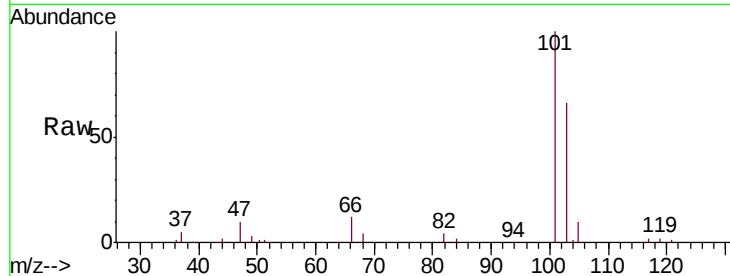


#7

Trichlorofluoromethane
 Concen: 46.051 ug/l
 RT: 2.53 min Scan# 102
 Delta R.T. 0.00 min
 Lab File: VD060496.D
 Acq: 5 Dec 2018 17:26

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 MSVOA_D
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 ICVVD120518

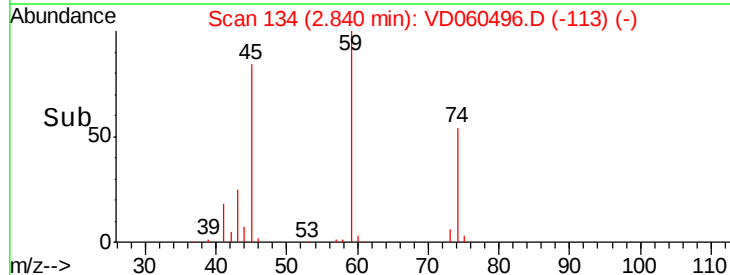
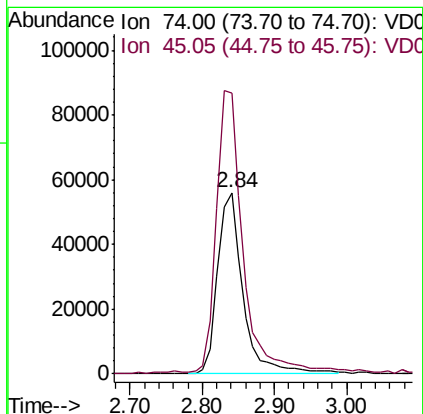
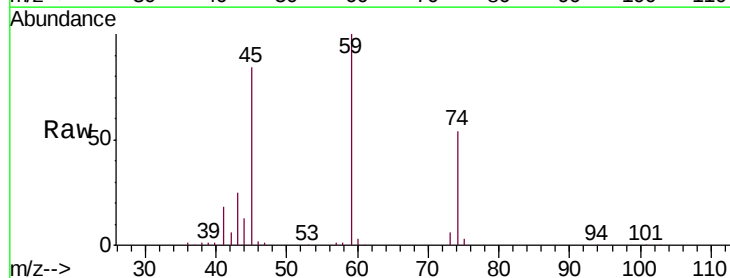
Tgt Ion:101 Resp: 685040
 Ion Ratio Lower Upper
 101 100
 103 66.0 51.8 77.8

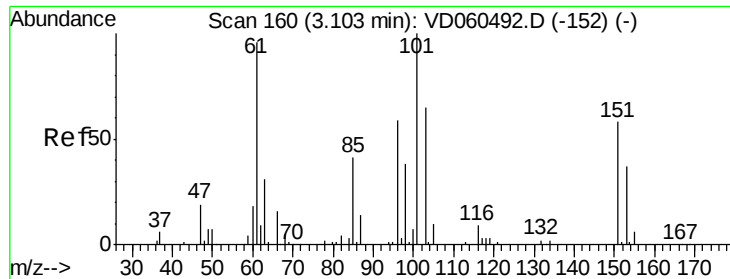


#8

Diethyl Ether
 Concen: 52.885 ug/l
 RT: 2.84 min Scan# 134
 Delta R.T. 0.00 min
 Lab File: VD060496.D
 Acq: 5 Dec 2018 17:26

Tgt Ion: 74 Resp: 135886
 Ion Ratio Lower Upper
 74 100
 45 155.0 86.0 258.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.976 ug/l

RT: 3.11 min Scan# 161

Delta R.T. 0.00 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

ICVVD120518

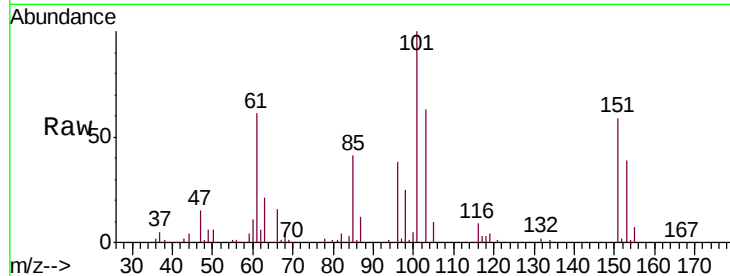
Tgt Ion:101 Resp: 453410

Ion Ratio Lower Upper

101 100

85 41.0 32.7 49.1

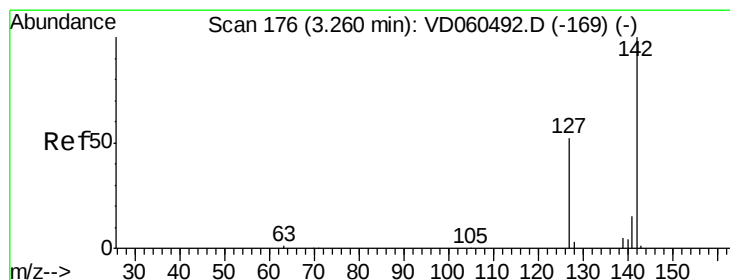
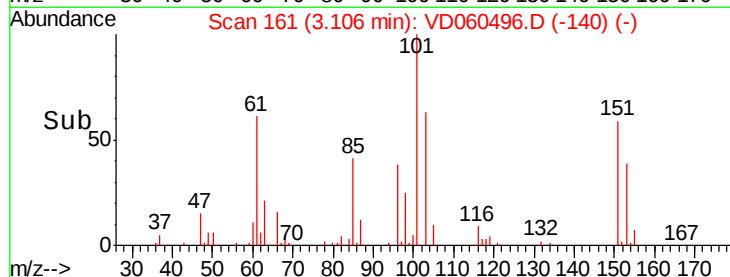
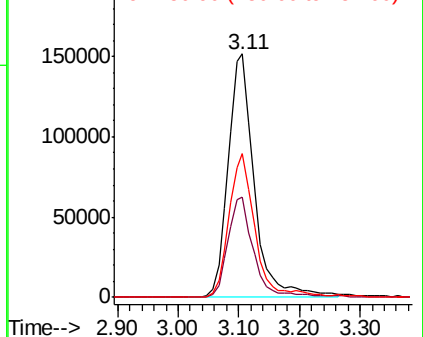
151 58.9 46.6 69.8



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: 47.394 ug/l

RT: 3.25 min Scan# 176

Delta R.T. -0.01 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

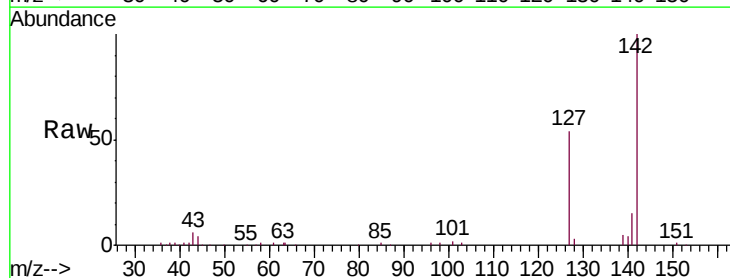
Tgt Ion:142 Resp: 534707

Ion Ratio Lower Upper

142 100

127 53.8 41.2 61.8

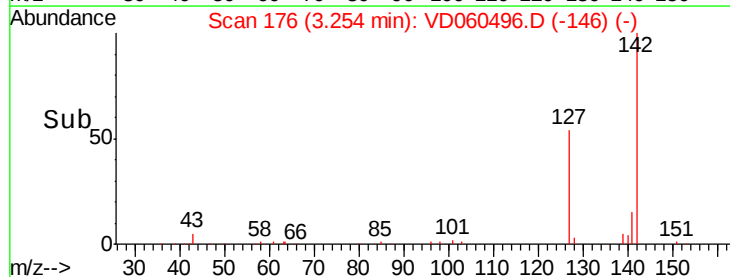
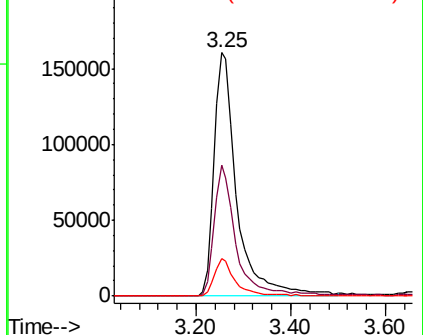
141 15.2 11.9 17.9

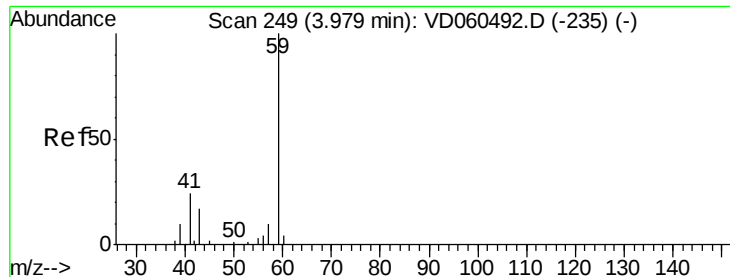


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

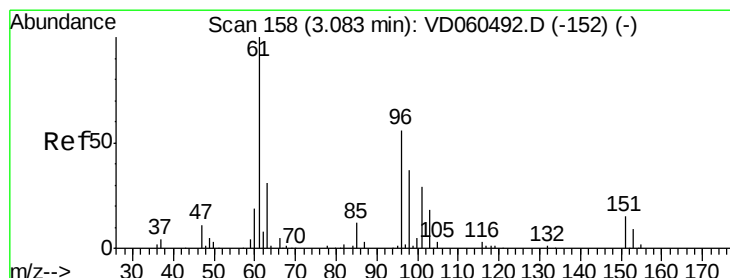
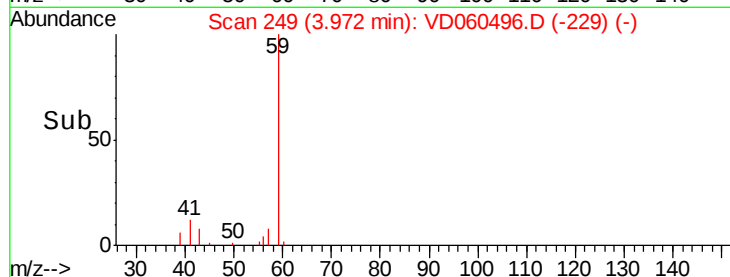
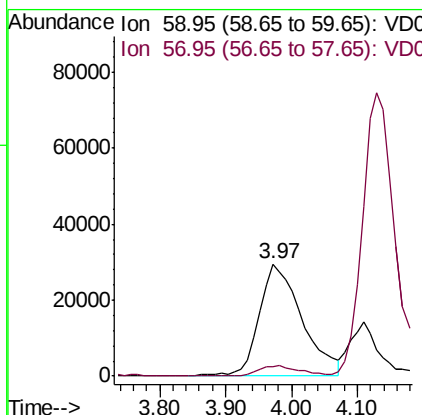
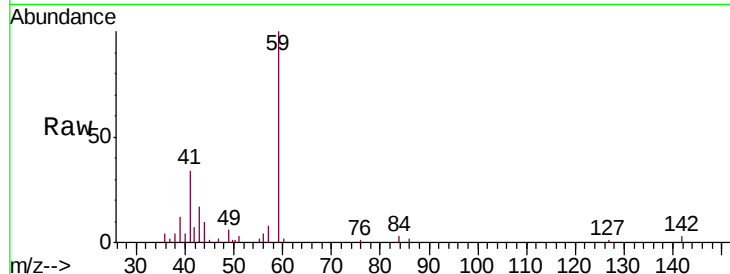




#11
Tert butyl alcohol
Concen: 297.242 ug/l
RT: 3.97 min Scan# 249
Delta R.T. -0.01 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

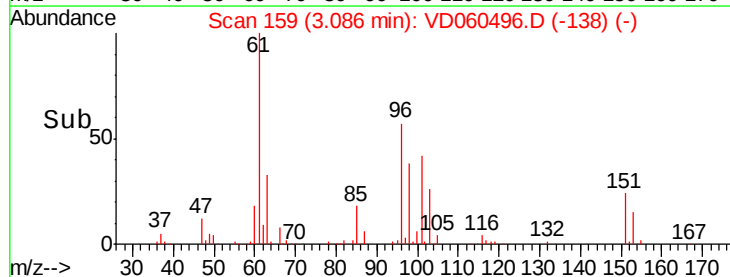
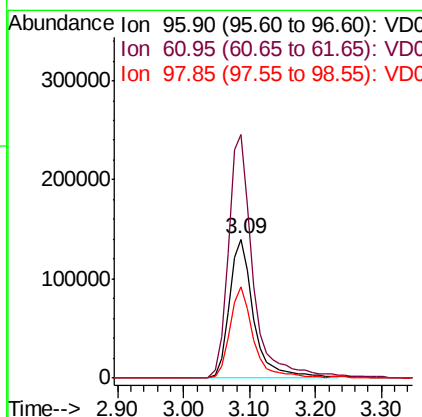
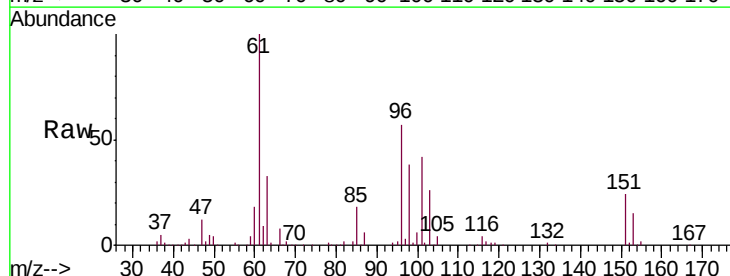
Instrument :
MSVOA_D
ClientSampleId :
ICVVD120518

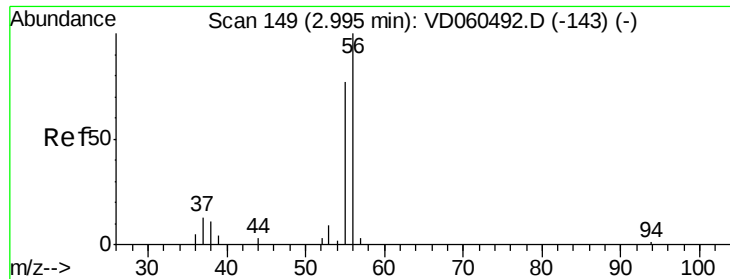
Tgt Ion: 59 Resp: 134480
Ion Ratio Lower Upper
59 100
57 8.3 8.1 12.1



#12
1,1-Dichloroethene
Concen: 46.492 ug/l
RT: 3.09 min Scan# 159
Delta R.T. 0.00 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Tgt Ion: 96 Resp: 365102
Ion Ratio Lower Upper
96 100
61 174.9 143.0 214.4
98 65.6 53.4 80.0





#13

Acrolein

Concen: 247.432 ug/l

RT: 3.00 min Scan# 150

Delta R.T. 0.00 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

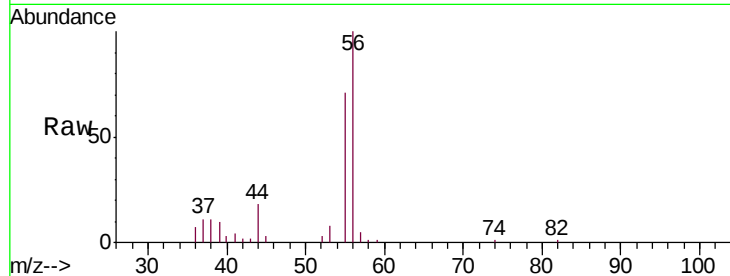
ICVVD120518

Tgt Ion: 56 Resp: 122320

Ion Ratio Lower Upper

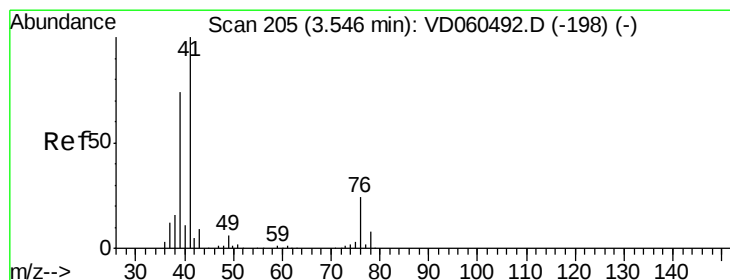
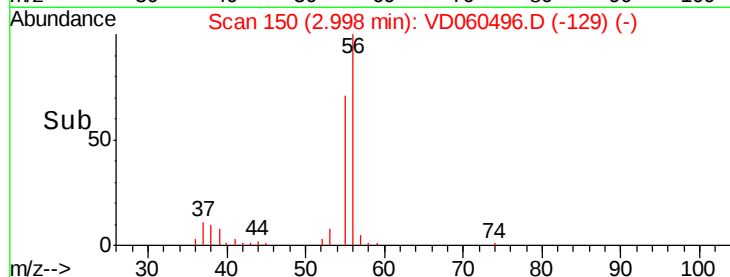
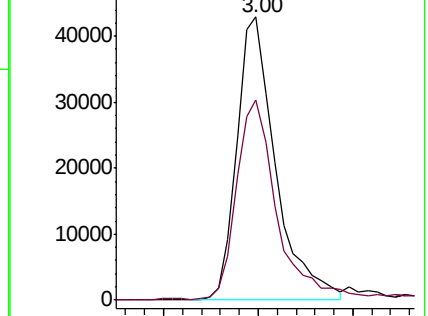
56 100

55 70.9 62.0 93.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 50.968 ug/l

RT: 3.55 min Scan# 206

Delta R.T. 0.00 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

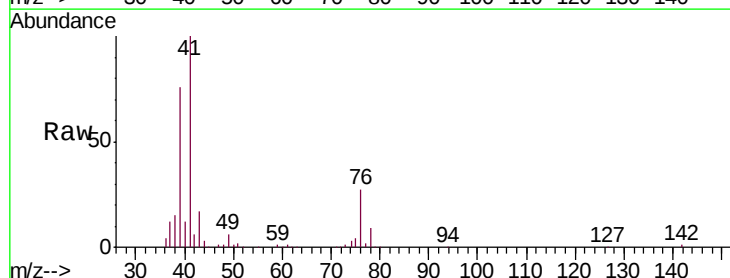
Tgt Ion: 41 Resp: 759392

Ion Ratio Lower Upper

41 100

39 75.6 59.3 88.9

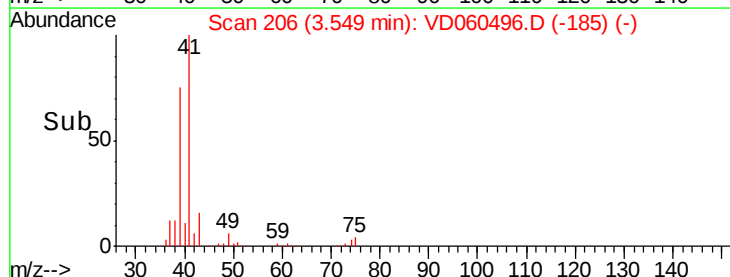
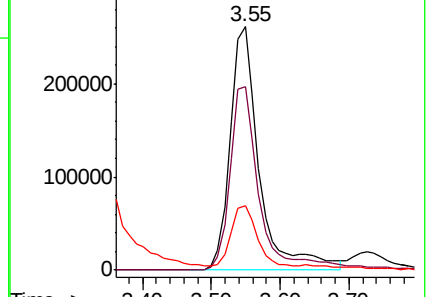
76 26.7 21.0 31.6

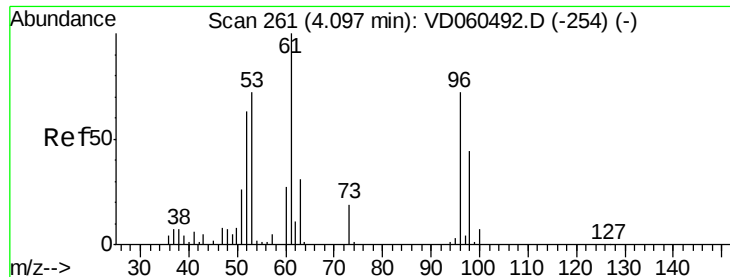


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 276.186 ug/l

RT: 4.09 min Scan# 261

Delta R.T. -0.01 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

ICVVD120518

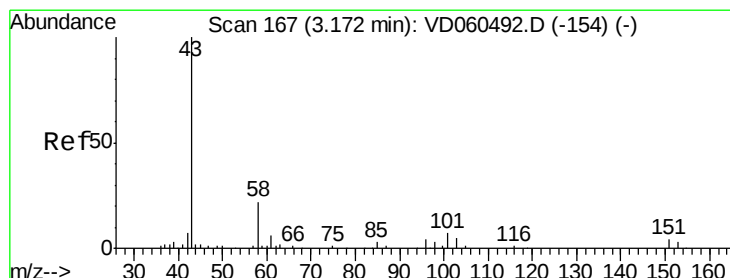
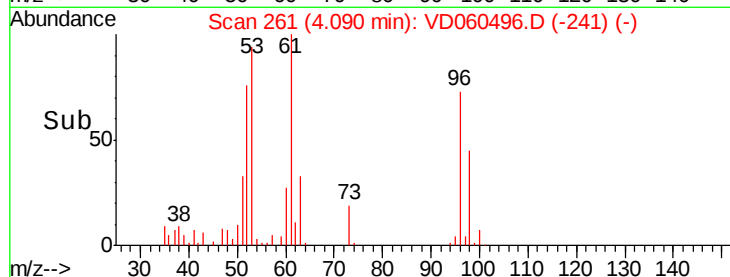
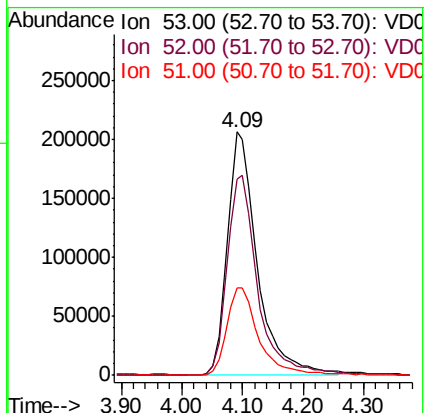
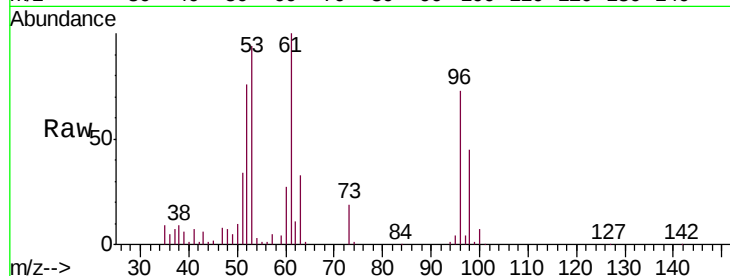
Tgt Ion: 53 Resp: 709498

Ion Ratio Lower Upper

53 100

52 80.7 70.0 105.0

51 36.0 28.8 43.2



#16

Acetone

Concen: 244.917 ug/l

RT: 3.17 min Scan# 167

Delta R.T. -0.01 min

Lab File: VD060496.D

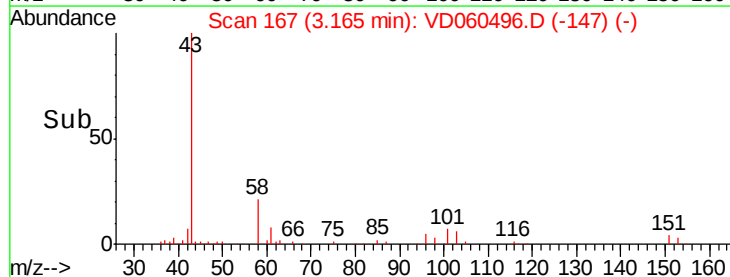
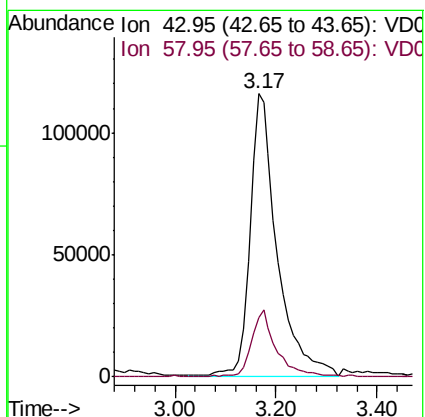
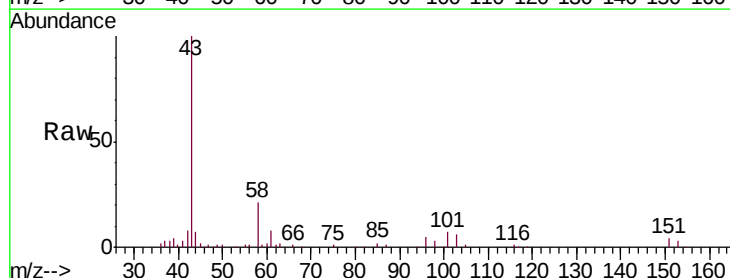
Acq: 5 Dec 2018 17:26

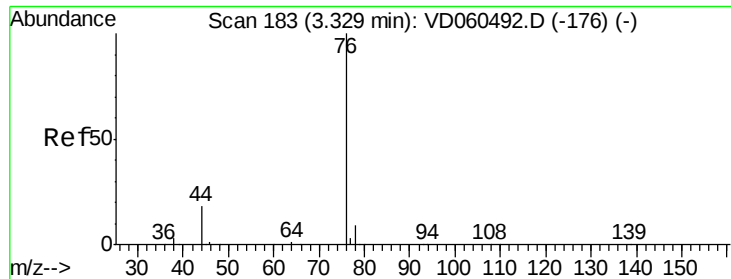
Tgt Ion: 43 Resp: 437181

Ion Ratio Lower Upper

43 100

58 21.1 17.3 25.9

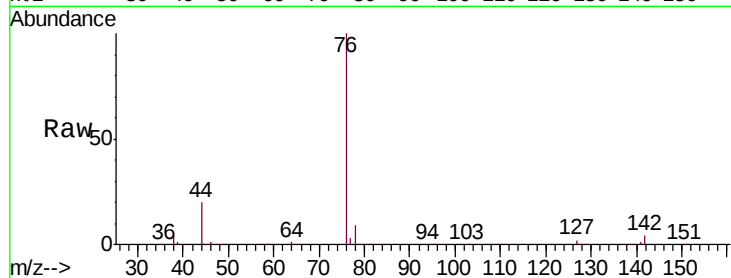




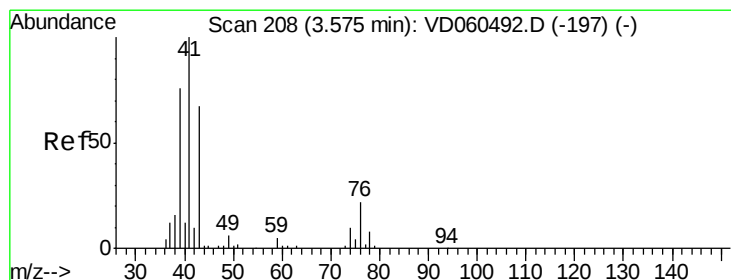
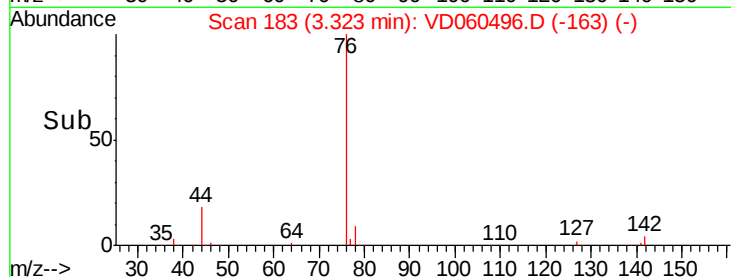
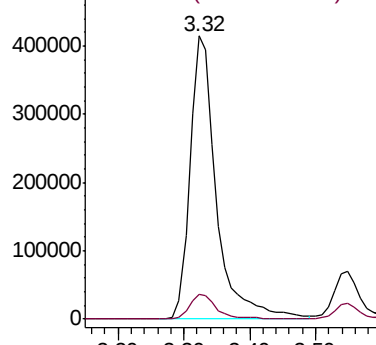
#17
Carbon Disulfide
Concen: 45.275 ug/l
RT: 3.32 min Scan# 183
Delta R.T. -0.01 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Instrument :
MSVOA_D
ClientSampleId :
ICVVD120518

Tgt Ion: 76 Resp: 1154906
Ion Ratio Lower Upper
76 100
78 8.9 7.0 10.6

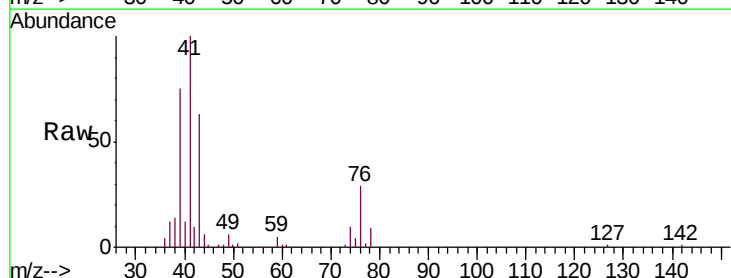


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

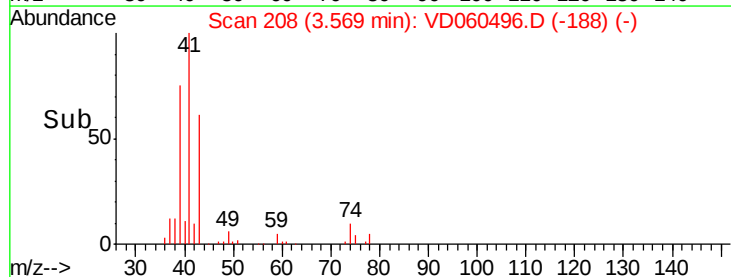
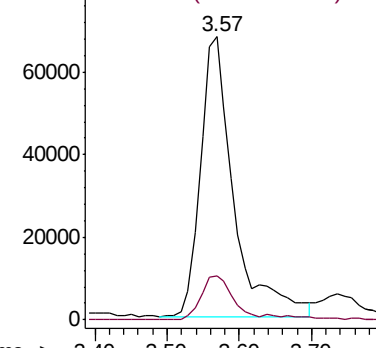


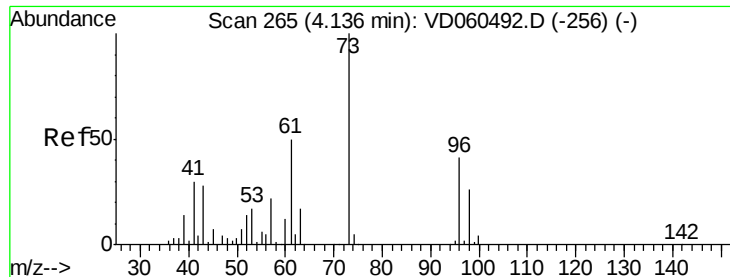
#18
Methyl Acetate
Concen: 51.174 ug/l
RT: 3.57 min Scan# 208
Delta R.T. -0.01 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Tgt Ion: 43 Resp: 217099
Ion Ratio Lower Upper
43 100
74 15.6 12.0 18.0



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

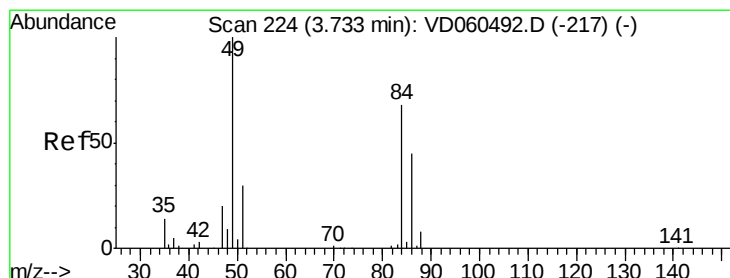
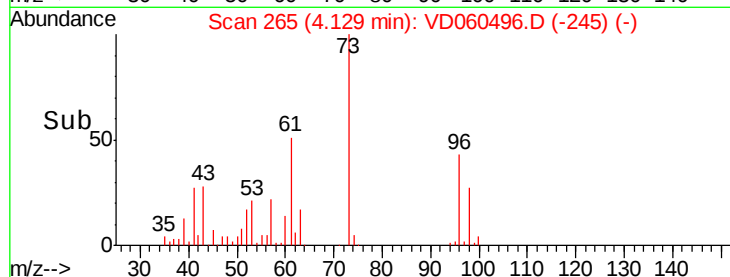
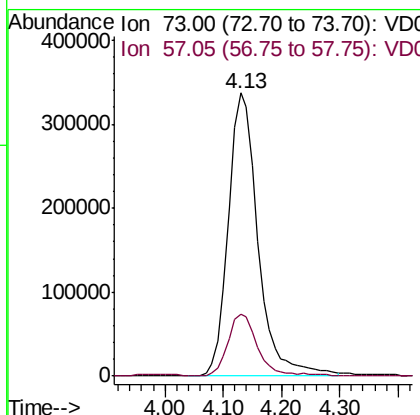
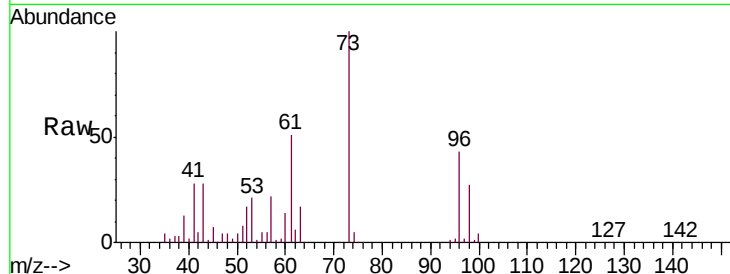




#19
Methyl tert-butyl Ether
Concen: 54.779 ug/l
RT: 4.13 min Scan# 265
Delta R.T. -0.01 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

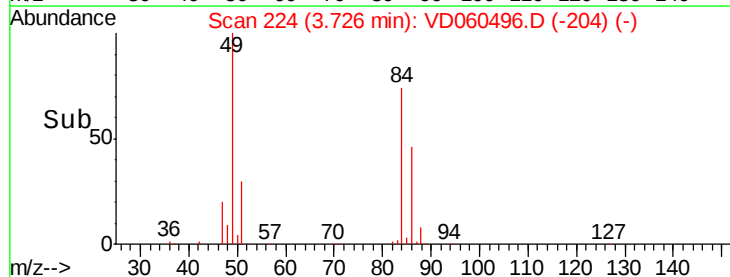
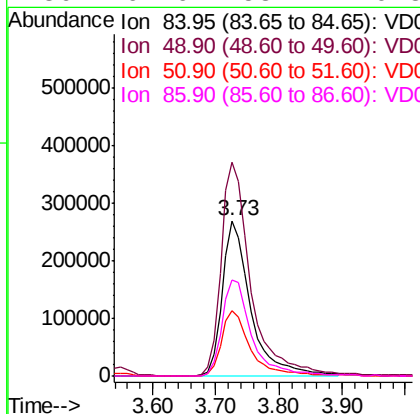
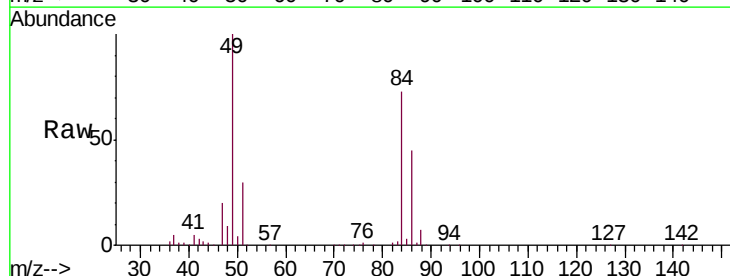
Instrument :
MSVOA_D
ClientSampleId :
ICVVD120518

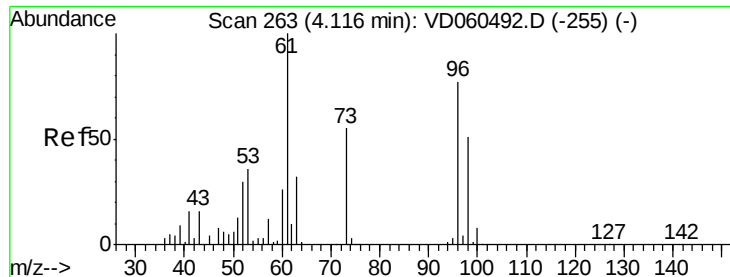
Tgt Ion: 73 Resp: 1192962
Ion Ratio Lower Upper
73 100
57 22.1 17.8 26.6



#20
Methylene Chloride
Concen: 51.591 ug/l
RT: 3.73 min Scan# 224
Delta R.T. -0.01 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Tgt Ion: 84 Resp: 843242
Ion Ratio Lower Upper
84 100
49 137.8 117.2 175.8
51 41.7 35.3 52.9
86 61.6 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 50.396 ug/l

RT: 4.11 min Scan# 263

Delta R.T. -0.01 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

ICVVD120518

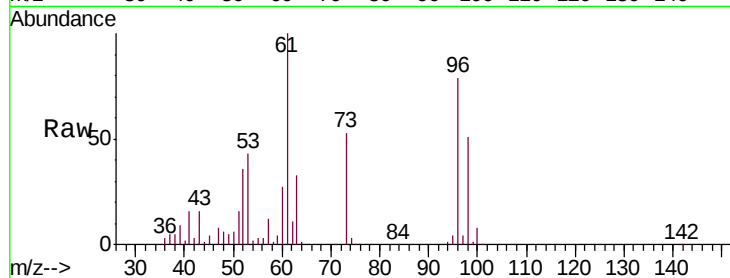
Tgt Ion: 96 Resp: 860871

Ion Ratio Lower Upper

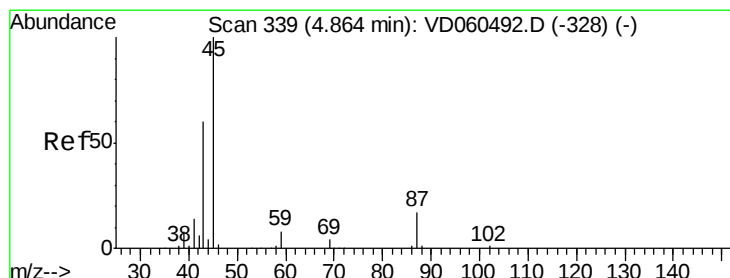
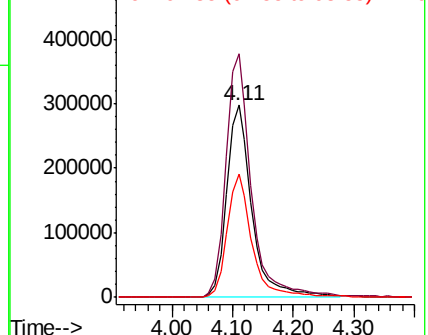
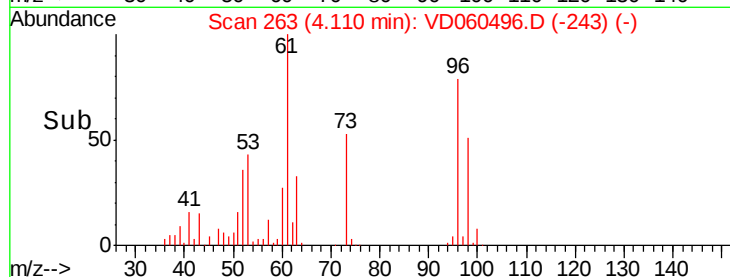
96 100

61 126.8 104.2 156.4

98 64.3 52.8 79.2



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



#22

Diisopropyl ether

Concen: 50.939 ug/l

RT: 4.86 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

Tgt Ion: 45 Resp: 2724991

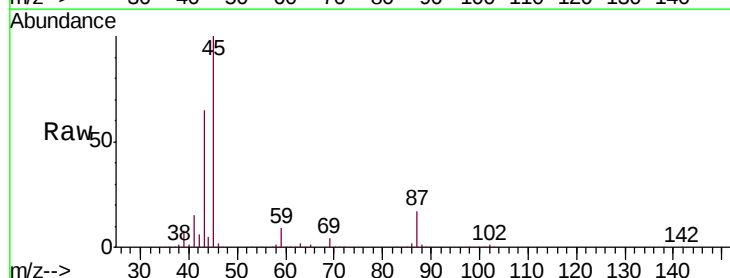
Ion Ratio Lower Upper

45 100

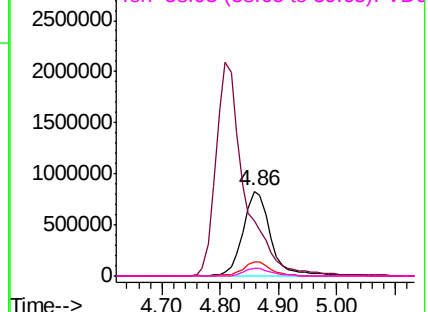
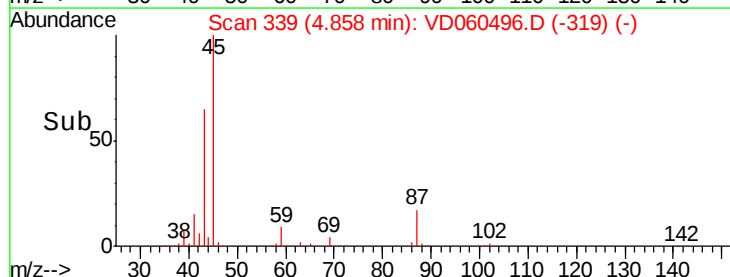
43 64.8 48.6 73.0

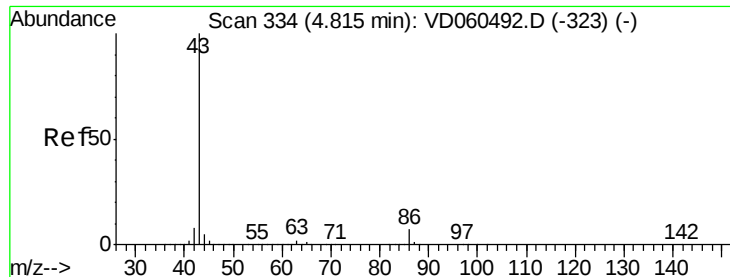
87 16.9 14.0 21.0

59 8.9 6.9 10.3



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





#23

Vinyl Acetate

Concen: 268.092 ug/l

RT: 4.81 min Scan# 334

Delta R.T. -0.01 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

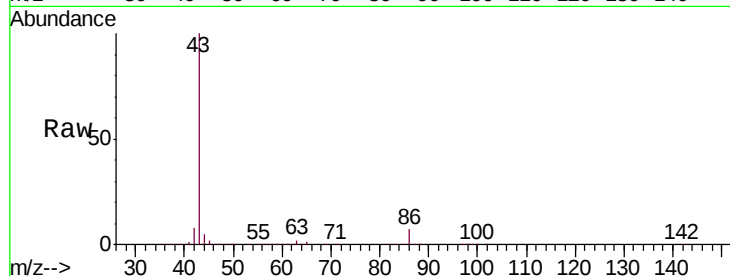
ICVVD120518

Tgt Ion: 43 Resp: 7105607

Ion Ratio Lower Upper

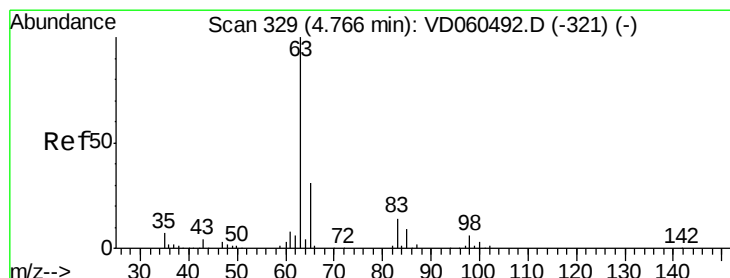
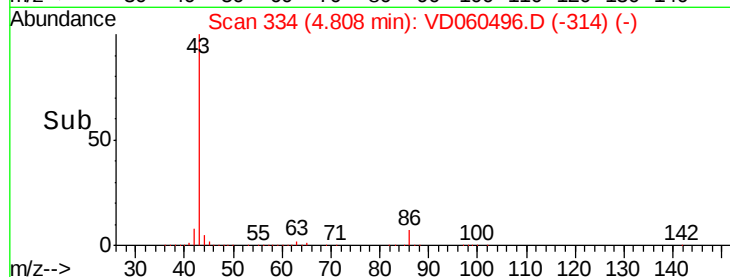
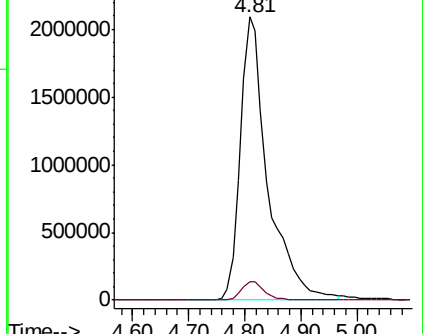
43 100

86 6.7 5.5 8.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 49.348 ug/l

RT: 4.76 min Scan# 329

Delta R.T. -0.01 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

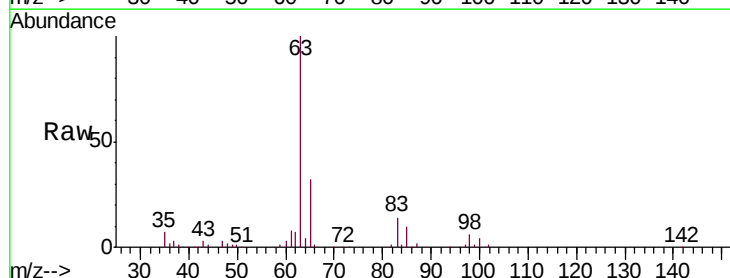
Tgt Ion: 63 Resp: 1371413

Ion Ratio Lower Upper

63 100

98 5.9 2.8 8.3

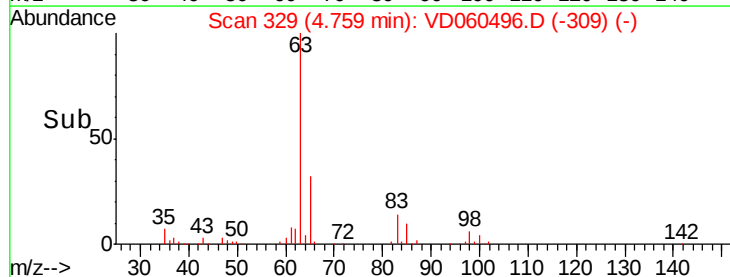
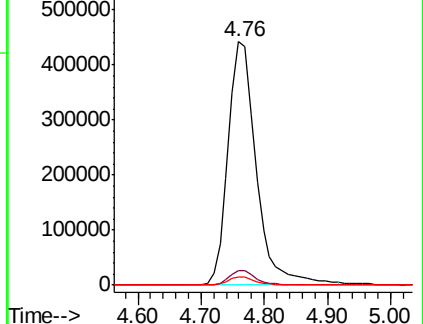
100 3.6 1.7 5.1

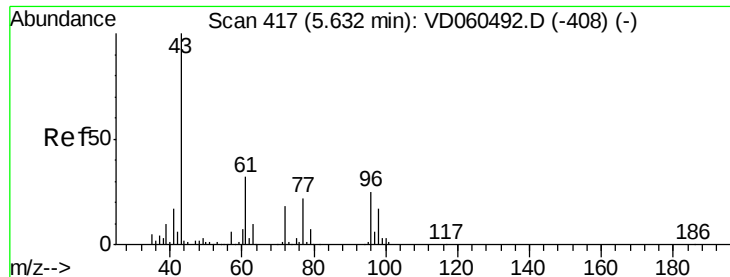


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 287.679 ug/l

RT: 5.63 min Scan# 417

Delta R.T. -0.01 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

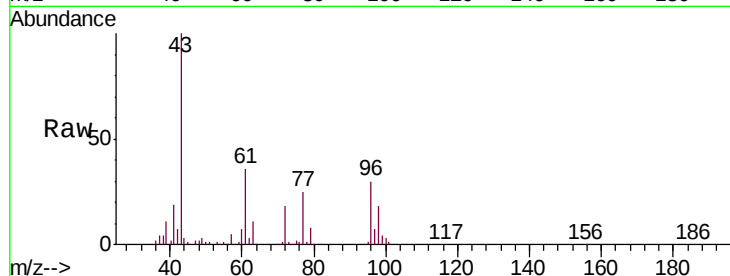
ICVVD120518

Tgt Ion: 43 Resp: 1010288

Ion Ratio Lower Upper

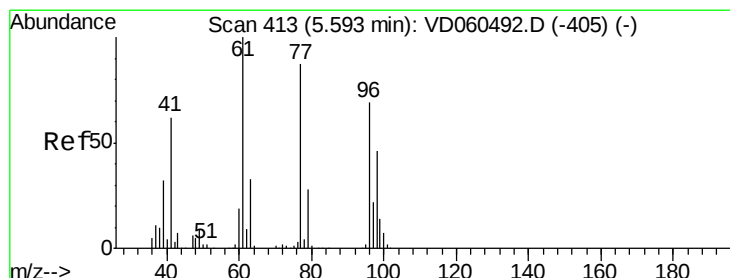
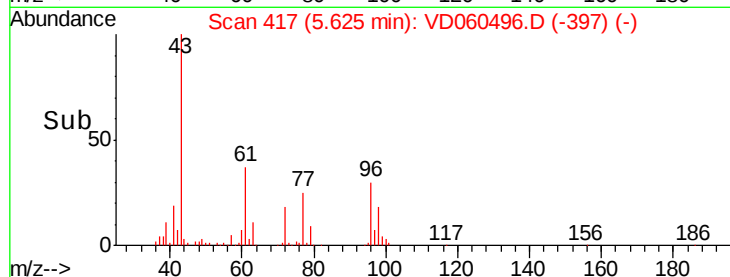
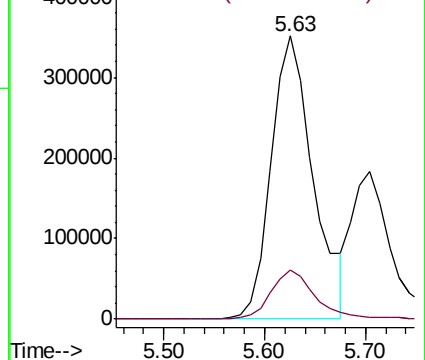
43 100

72 17.6 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 48.006 ug/l

RT: 5.60 min Scan# 414

Delta R.T. 0.00 min

Lab File: VD060496.D

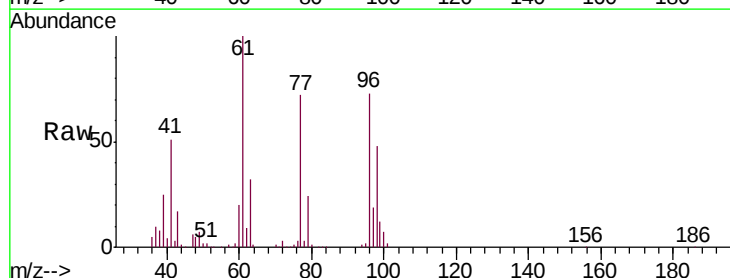
Acq: 5 Dec 2018 17:26

Tgt Ion: 77 Resp: 1030632

Ion Ratio Lower Upper

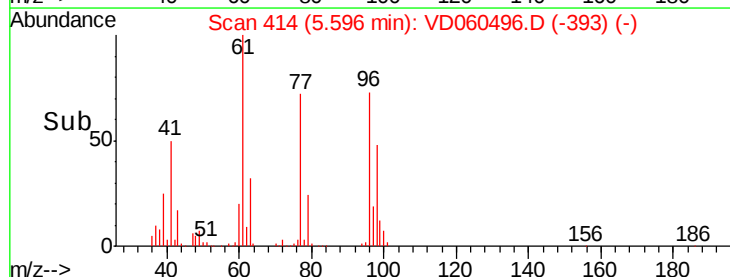
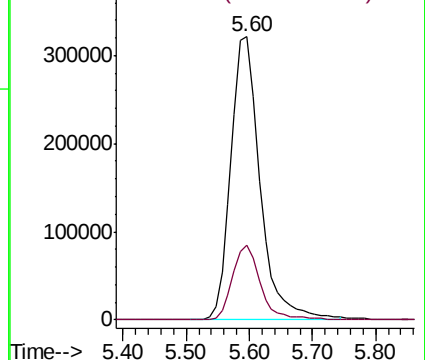
77 100

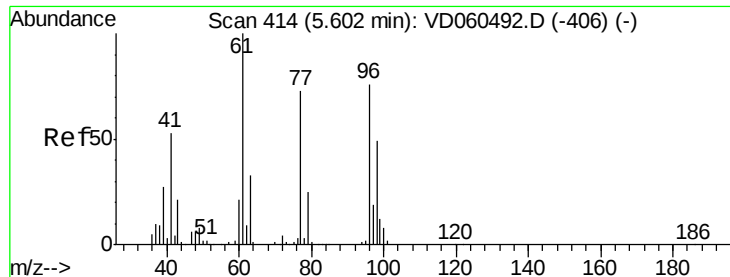
97 26.6 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



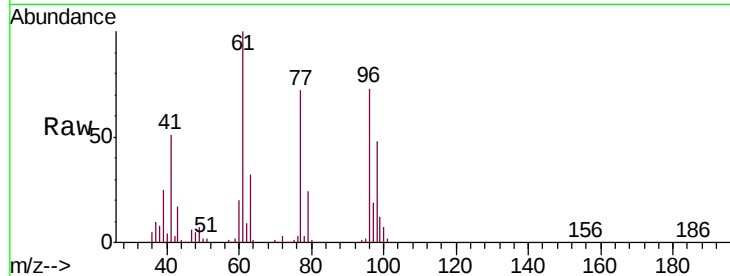


#27

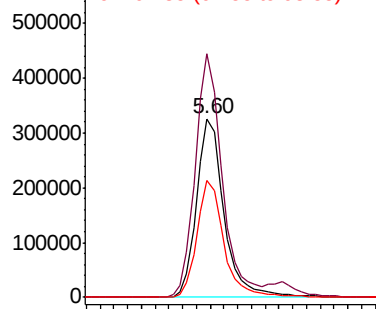
cis-1,2-Dichloroethene
Concen: 51.834 ug/l
RT: 5.60 min Scan# 414
Delta R.T. -0.01 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Instrument :
MSVOA_D
ClientSampleId :
ICVVD120518

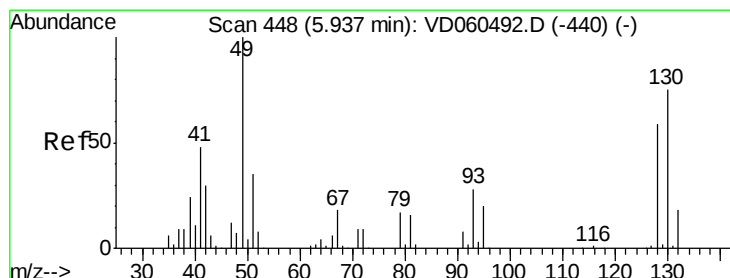
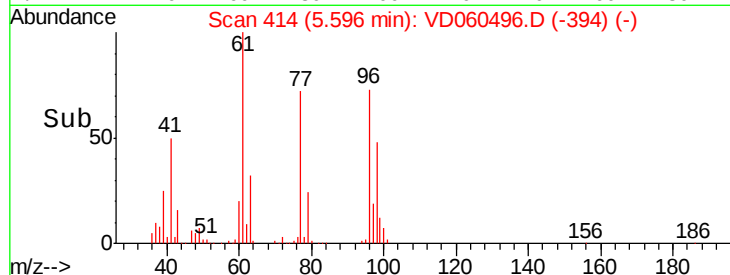
Tgt Ion: 96 Resp: 900288
Ion Ratio Lower Upper
96 100
61 136.1 0.0 263.6
98 65.0 0.0 128.2



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



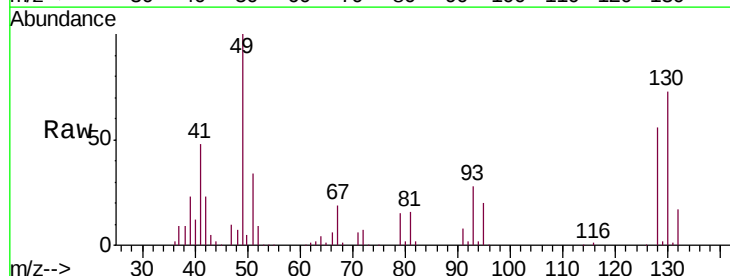
Time-->



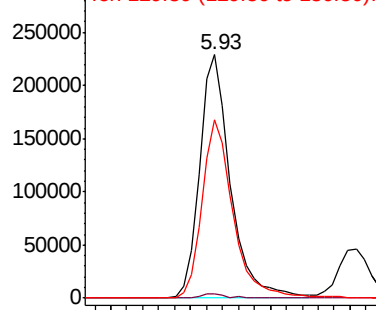
#28

Bromochloromethane
Concen: 50.209 ug/l
RT: 5.93 min Scan# 448
Delta R.T. -0.01 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

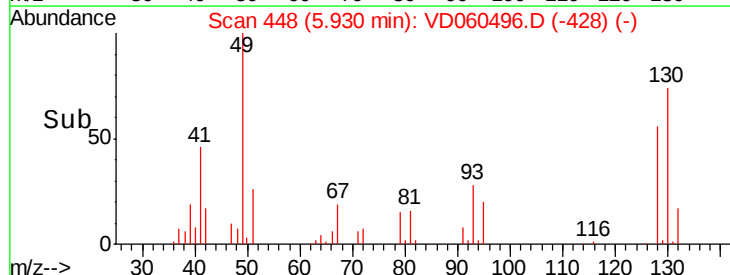
Tgt Ion: 49 Resp: 618119
Ion Ratio Lower Upper
49 100
129 1.8 0.0 3.4
130 73.4 59.8 89.6



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



Time-->

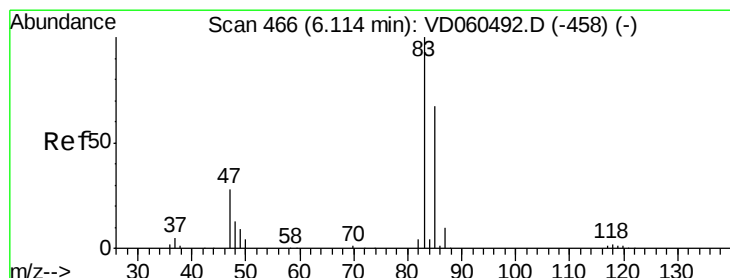
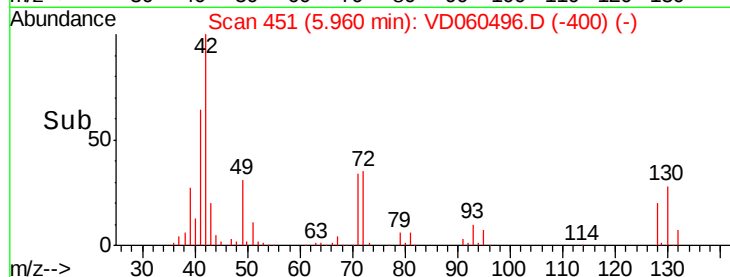
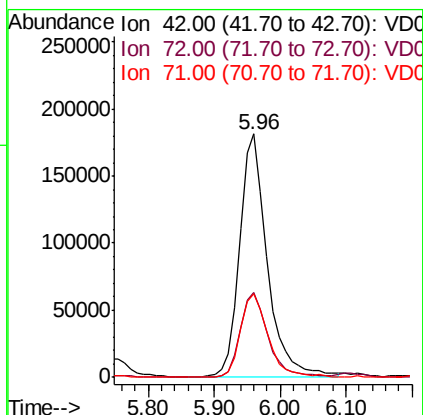
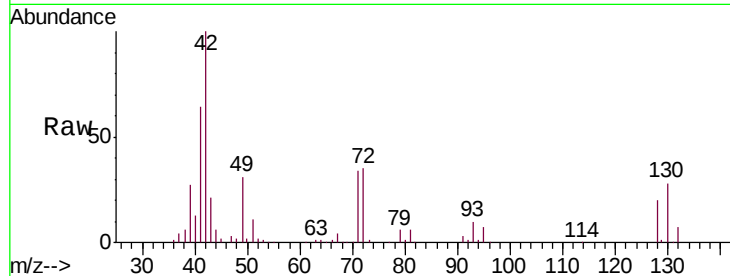




#29
Tetrahydrofuran
Concen: 268.314 ug/l
RT: 5.96 min Scan# 451
Delta R.T. 0.00 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

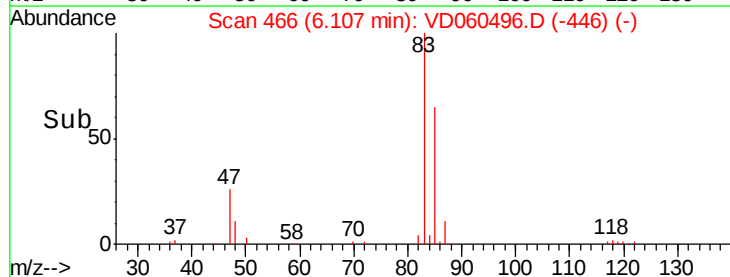
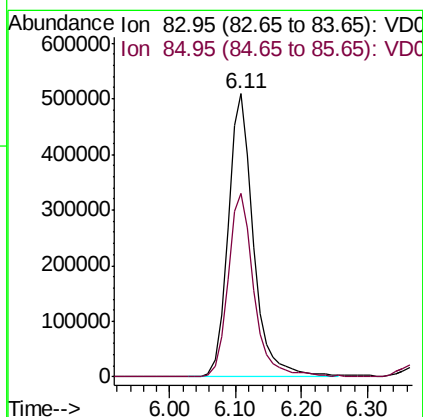
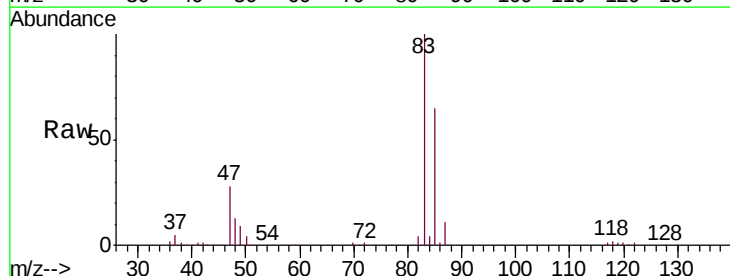
Instrument :
MSVOA_D
ClientSampleId :
ICVVD120518

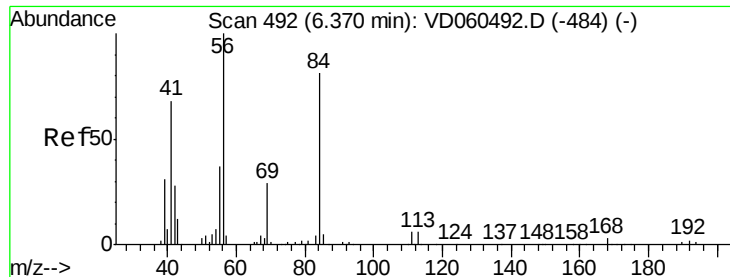
Tgt Ion: 42 Resp: 533594
Ion Ratio Lower Upper
42 100
72 35.1 28.0 42.0
71 35.0 27.2 40.8



#30
Chloroform
Concen: 48.862 ug/l
RT: 6.11 min Scan# 466
Delta R.T. -0.01 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Tgt Ion: 83 Resp: 1368047
Ion Ratio Lower Upper
83 100
85 64.8 53.4 80.2

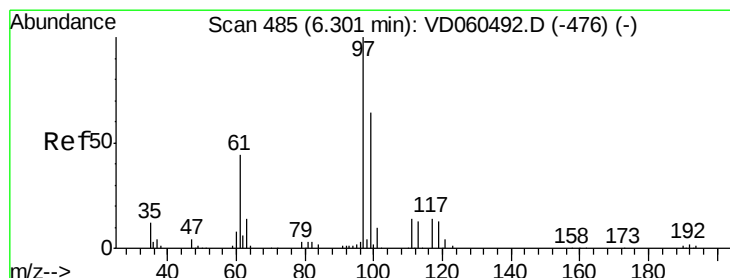
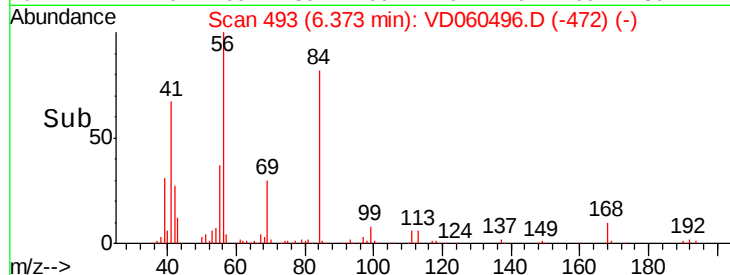
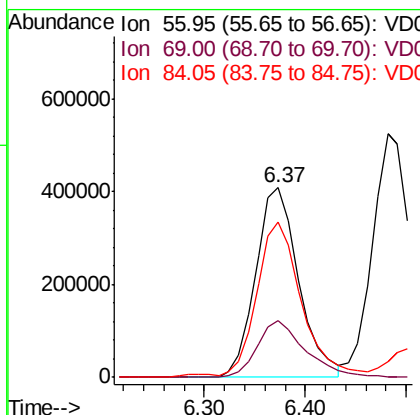
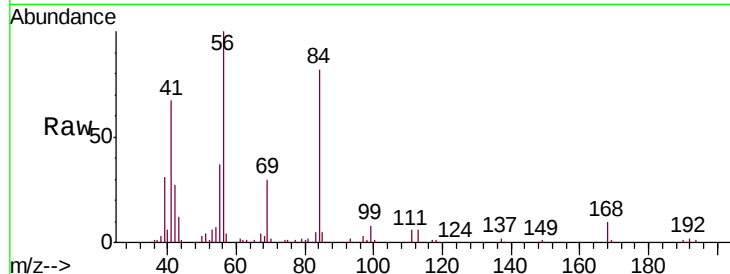




#31
Cyclohexane
Concen: 50.925 ug/l
RT: 6.37 min Scan# 493
Delta R.T. 0.00 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

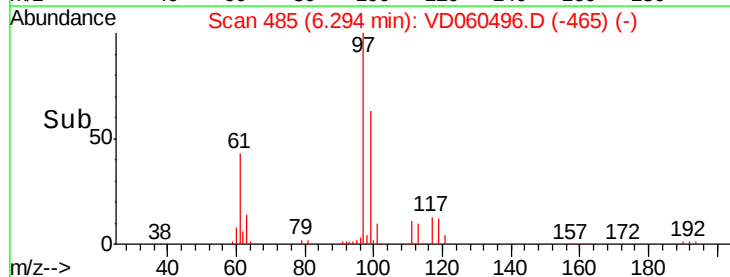
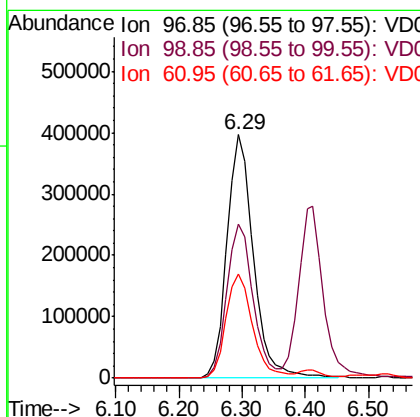
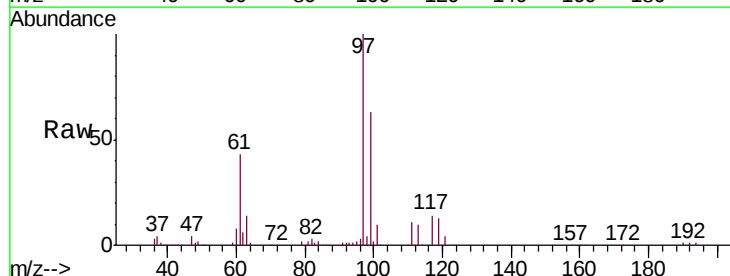
Instrument :
MSVOA_D
ClientSampleId :
ICVVD120518

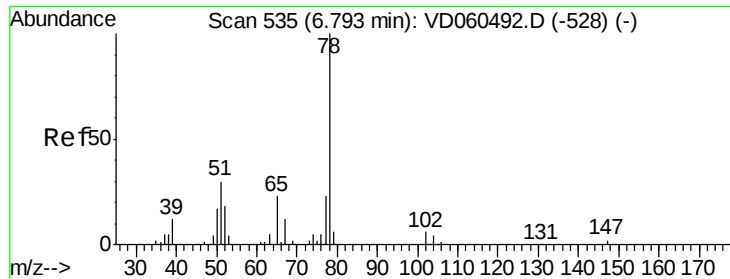
Tgt Ion: 56 Resp: 1208523
Ion Ratio Lower Upper
56 100
69 29.7 22.8 34.2
84 82.0 65.1 97.7



#32
1,1,1-Trichloroethane
Concen: 50.071 ug/l
RT: 6.29 min Scan# 485
Delta R.T. -0.01 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Tgt Ion: 97 Resp: 1152483
Ion Ratio Lower Upper
97 100
99 63.1 51.0 76.4
61 42.6 35.3 52.9





#33

1,2-Dichloroethane-d4

Concen: 50.071 ug/l

RT: 6.79 min Scan# 535

Delta R.T. -0.01 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

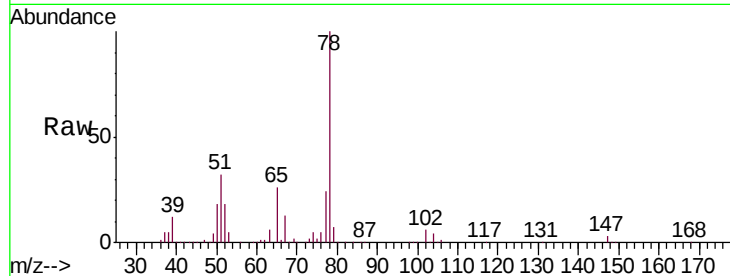
ICVVD120518

Tgt Ion: 65 Resp: 561738

Ion Ratio Lower Upper

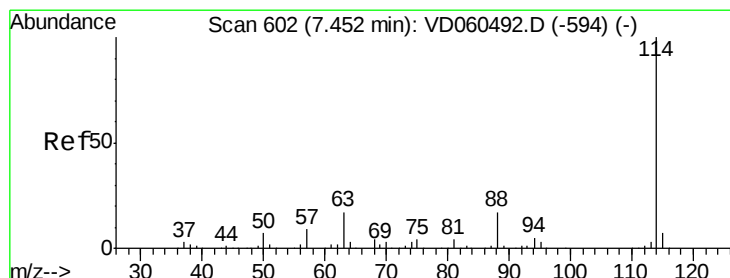
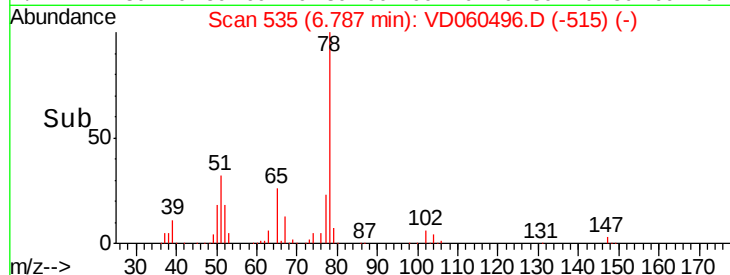
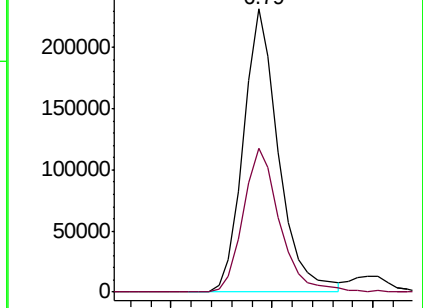
65 100

67 50.9 0.0 106.8



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: 7.45 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

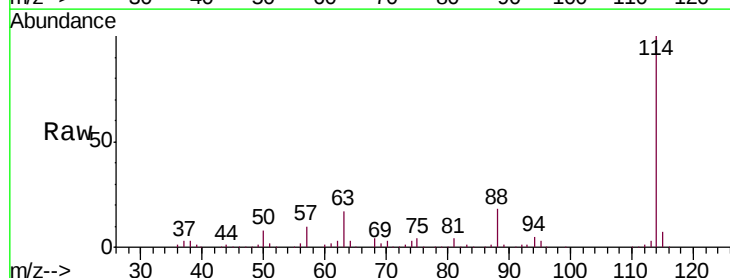
Tgt Ion: 114 Resp: 2217629

Ion Ratio Lower Upper

114 100

63 17.4 0.0 34.2

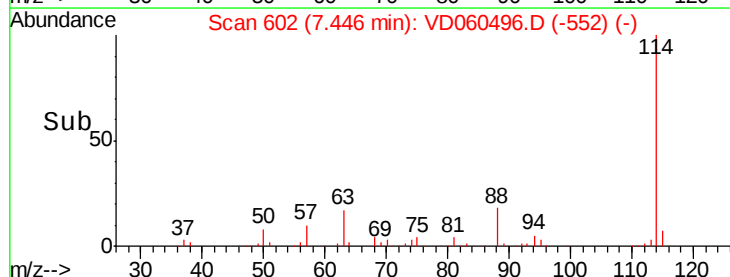
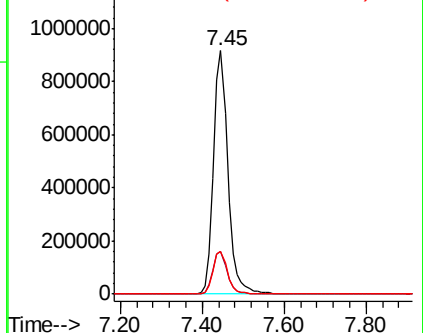
88 17.7 0.0 35.0

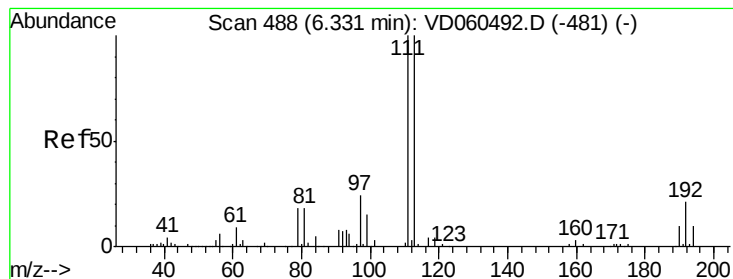


Abundance Ion 114.00 (113.70 to 114.70): V

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: 6.32 min Scan# 488

Delta R.T. -0.01 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

ICVVD120518

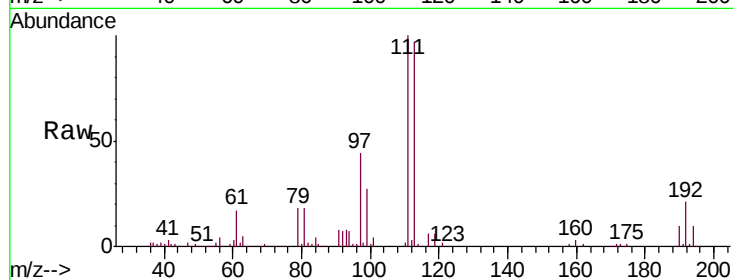
Tgt Ion:113 Resp: 792771

Ion Ratio Lower Upper

113 100

111 103.1 80.2 120.4

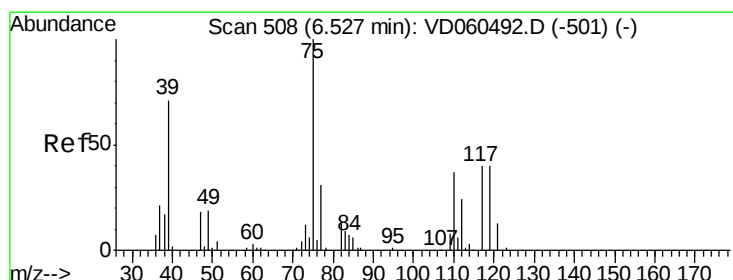
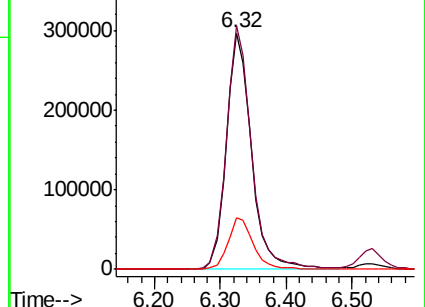
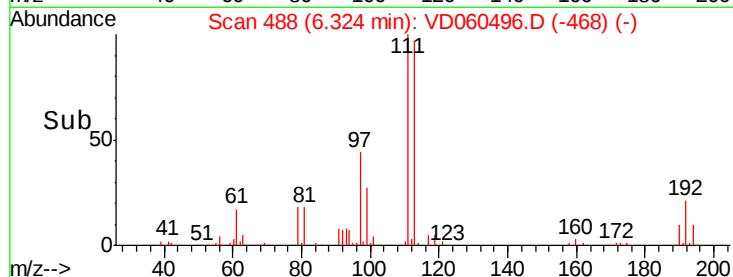
192 21.8 16.6 24.8



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 46.390 ug/l

RT: 6.53 min Scan# 509

Delta R.T. 0.00 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

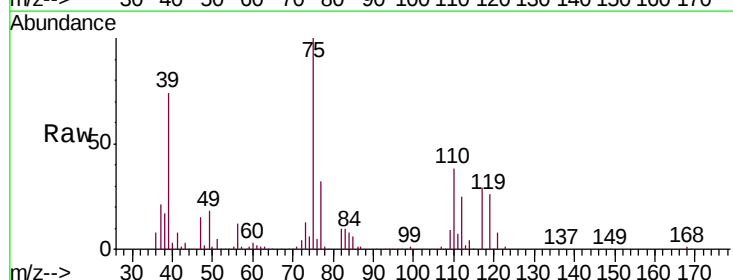
Tgt Ion: 75 Resp: 1005577

Ion Ratio Lower Upper

75 100

110 38.0 18.3 54.8

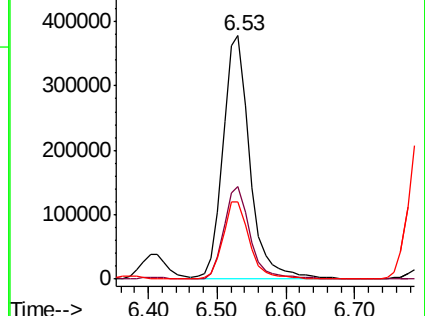
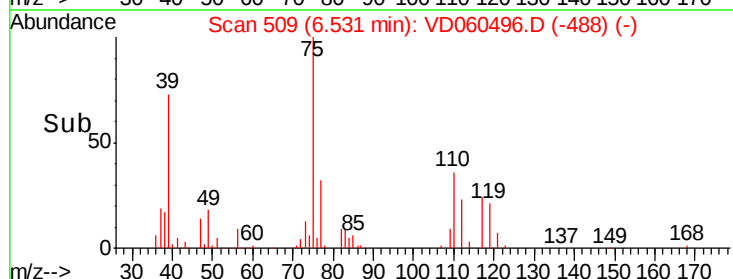
77 31.6 24.6 37.0

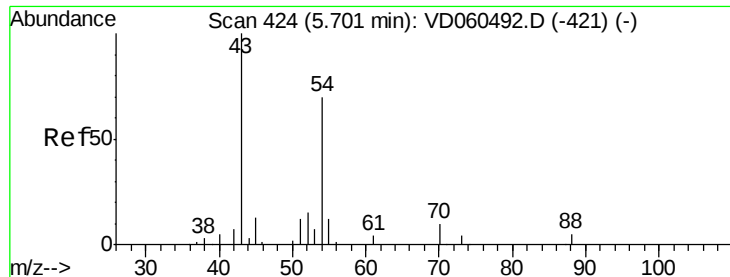


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

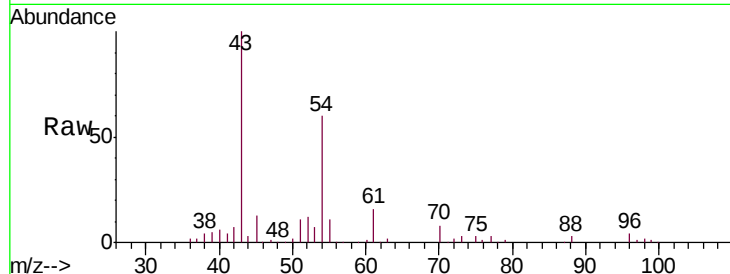




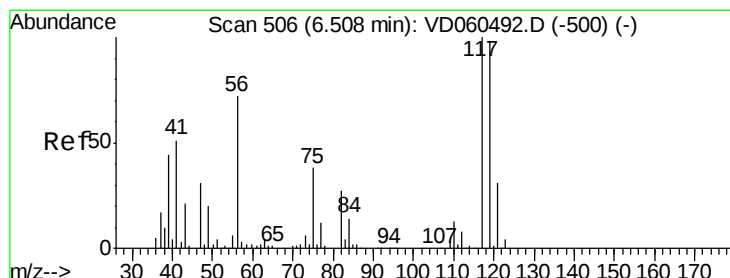
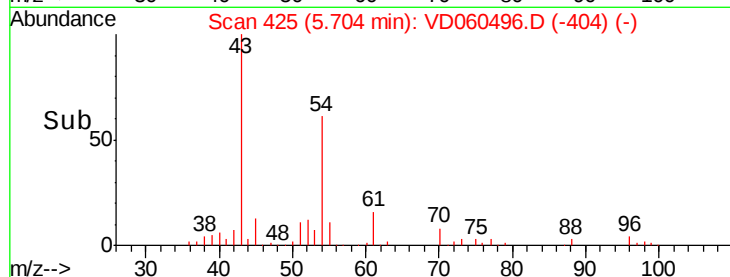
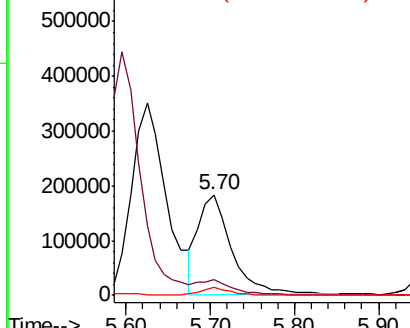
#37
Ethyl Acetate
Concen: 52.528 ug/l
RT: 5.70 min Scan# 425
Delta R.T. 0.00 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Instrument :
MSVOA_D
ClientSampleId :
ICVVD120518

Tgt Ion: 43 Resp: 493816
Ion Ratio Lower Upper
43 100
61 15.6 12.4 18.6
70 7.9 5.4 8.0

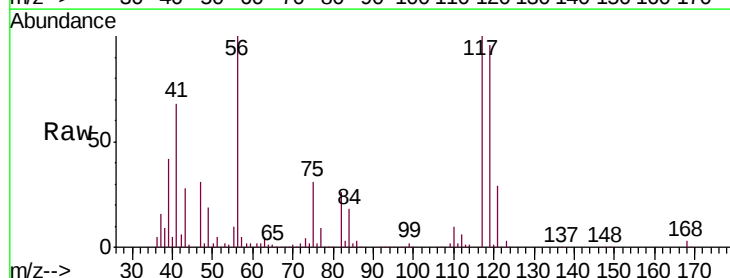


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

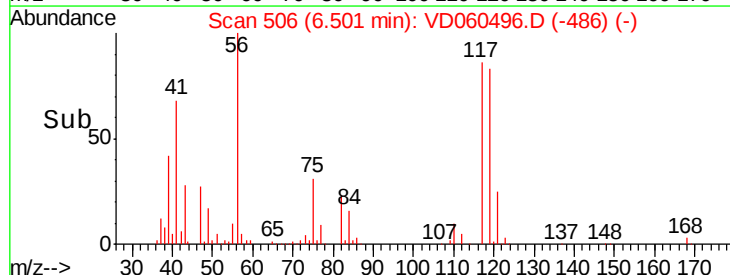
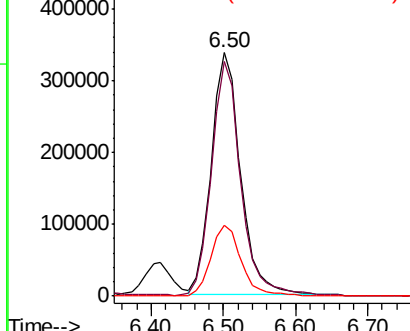


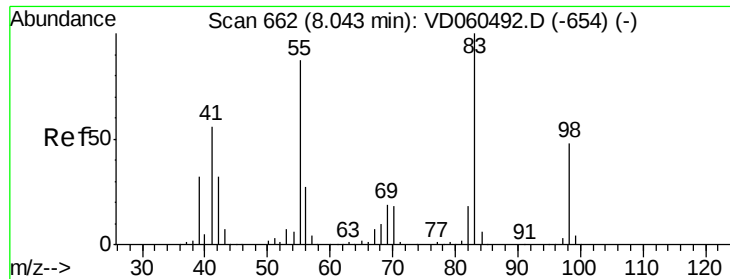
#38
Carbon Tetrachloride
Concen: 48.648 ug/l
RT: 6.50 min Scan# 506
Delta R.T. -0.01 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Tgt Ion: 117 Resp: 946722
Ion Ratio Lower Upper
117 100
119 96.5 76.8 115.2
121 29.3 24.4 36.6



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

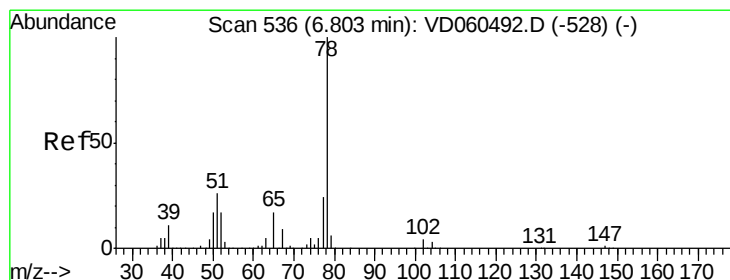
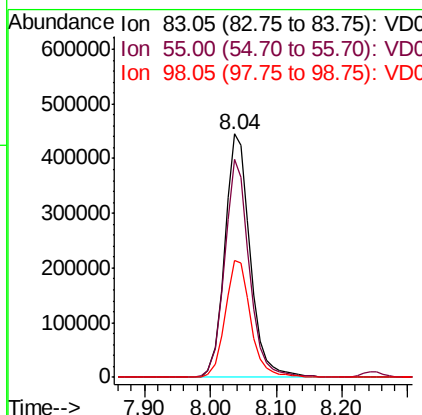
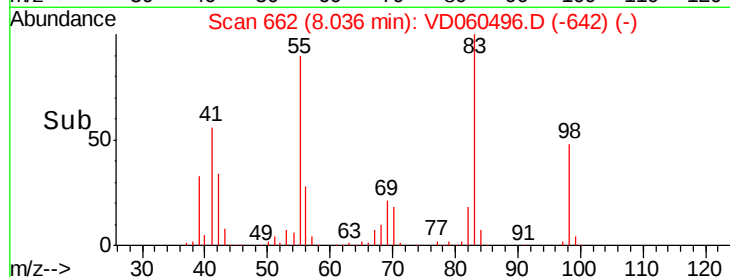
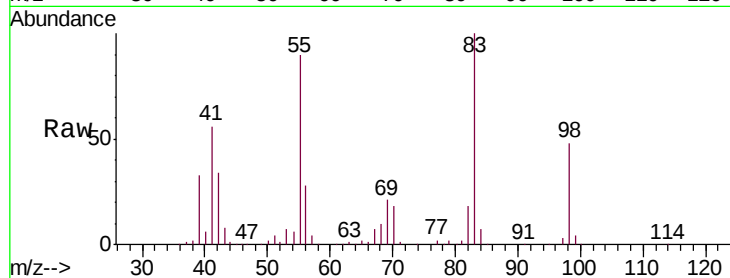




#39
Methylcyclohexane
Concen: 48.392 ug/l
RT: 8.04 min Scan# 662
Delta R.T. -0.01 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

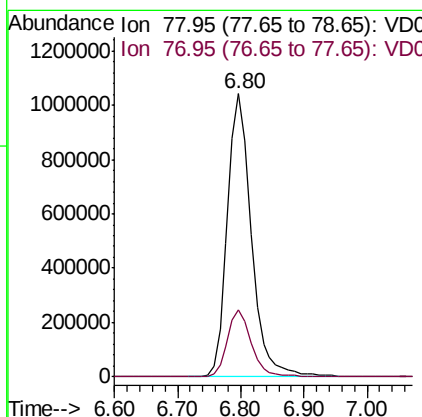
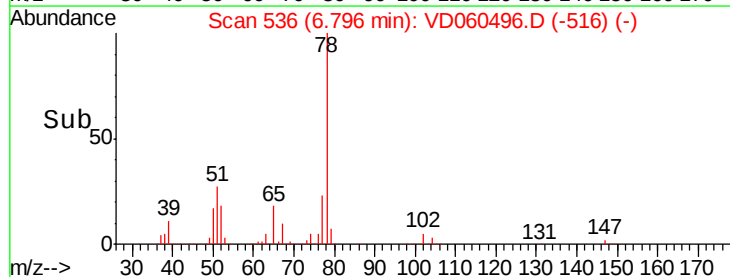
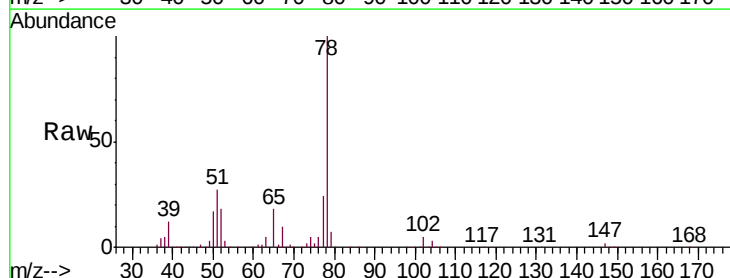
Instrument :
MSVOA_D
ClientSampleId :
ICVVD120518

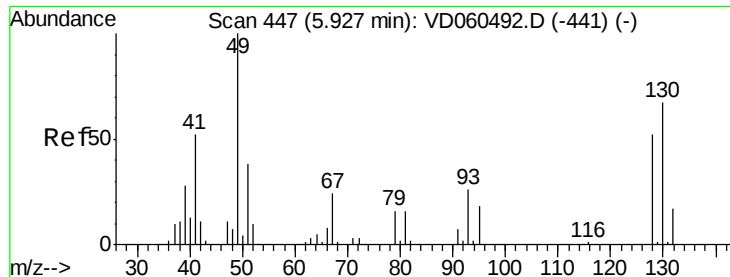
Tgt Ion: 83 Resp: 1195828
Ion Ratio Lower Upper
83 100
55 89.7 69.8 104.8
98 47.9 38.4 57.6



#40
Benzene
Concen: 49.624 ug/l
RT: 6.80 min Scan# 536
Delta R.T. -0.01 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Tgt Ion: 78 Resp: 2749122
Ion Ratio Lower Upper
78 100
77 23.7 18.9 28.3





#41

Methacrylonitrile

Concen: 114.887 ug/l

RT: 5.95 min Scan# 450

Delta R.T. 0.02 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

ICVVD120518

Tgt Ion: 41 Resp: 582215

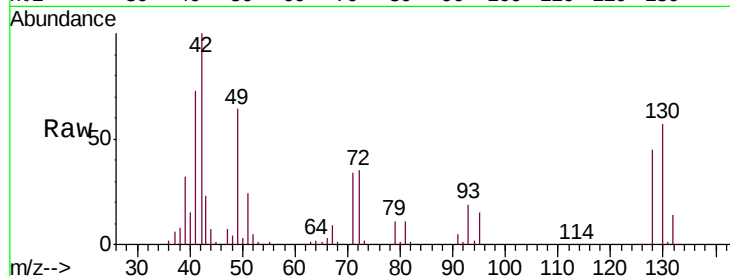
Ion Ratio Lower Upper

41 100

39 43.8 42.6 63.8

67 12.5 36.2 54.4#

52 6.2 15.6 23.4#

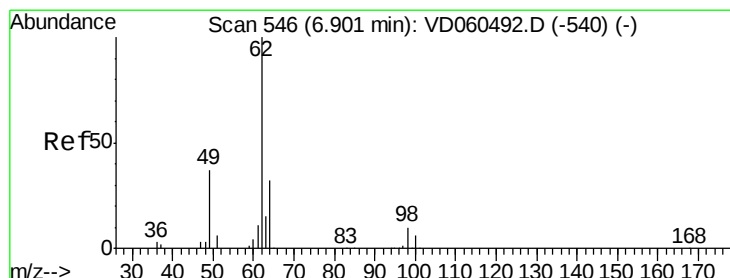
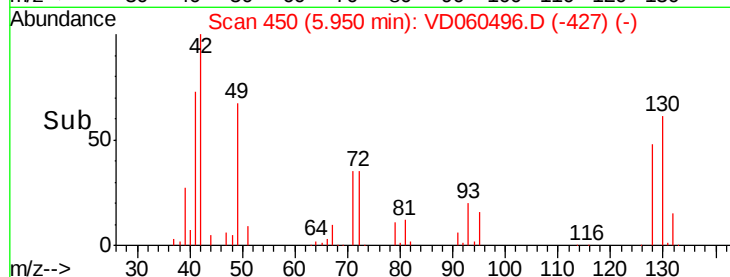
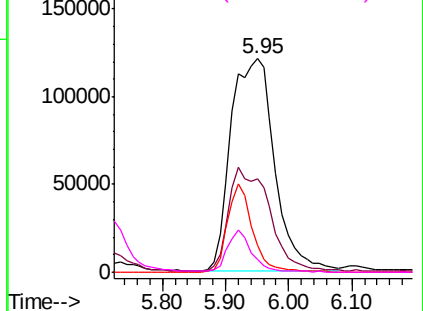


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 50.940 ug/l

RT: 6.89 min Scan# 546

Delta R.T. -0.01 min

Lab File: VD060496.D

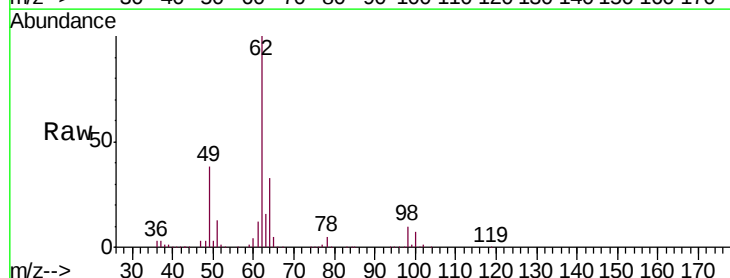
Acq: 5 Dec 2018 17:26

Tgt Ion: 62 Resp: 717520

Ion Ratio Lower Upper

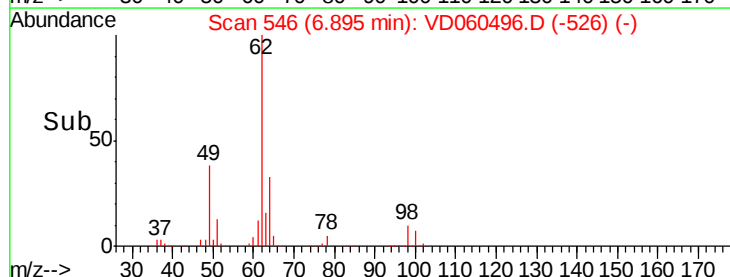
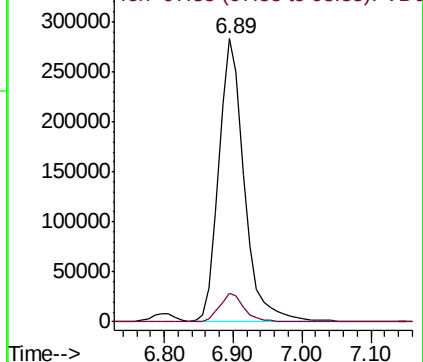
62 100

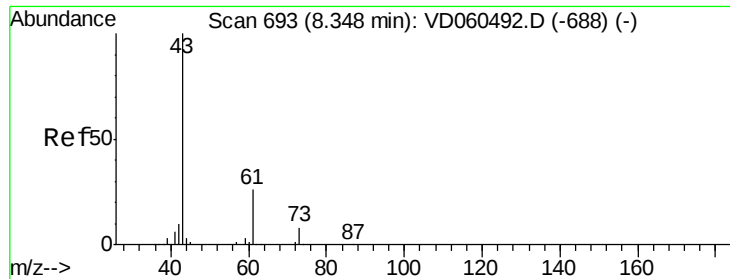
98 10.3 0.0 20.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 56.067 ug/l

RT: 8.35 min Scan# 694

Delta R.T. 0.00 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

ICVVD120518

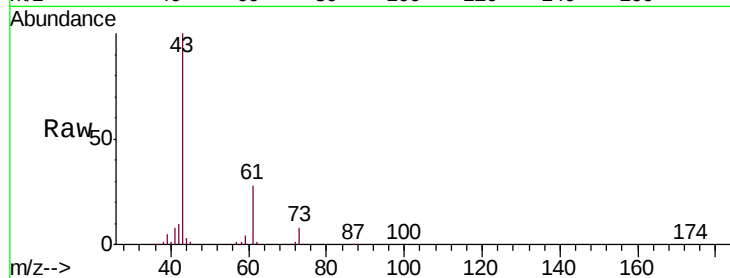
Tgt Ion: 43 Resp: 650642

Ion Ratio Lower Upper

43 100

61 28.3 21.0 31.4

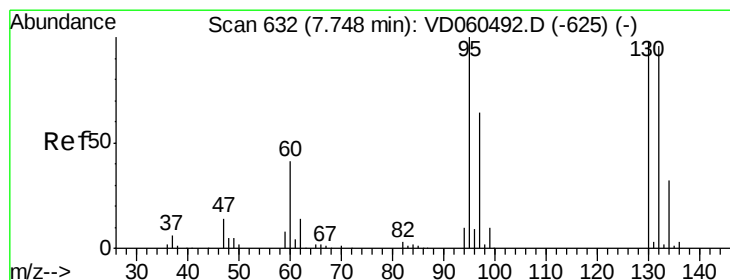
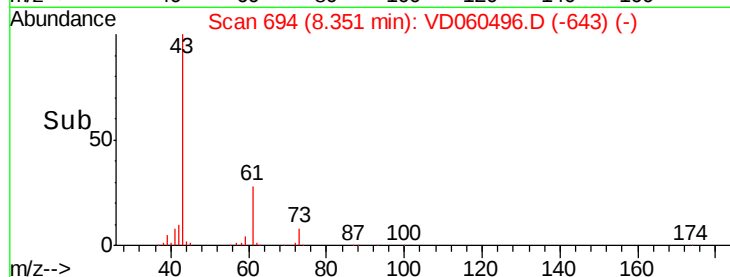
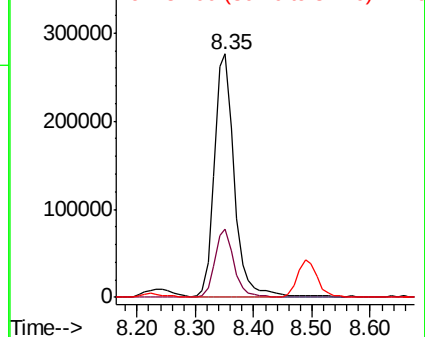
87 0.3 0.2 0.2#



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: 50.302 ug/l

RT: 7.74 min Scan# 632

Delta R.T. -0.01 min

Lab File: VD060496.D

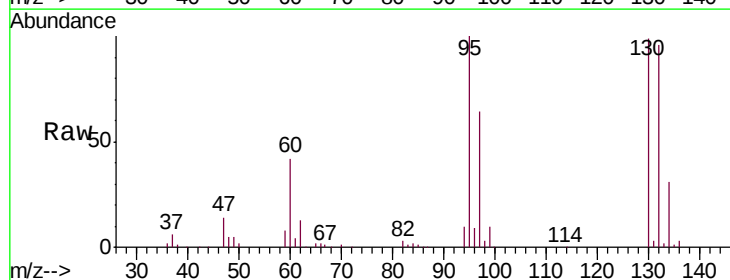
Acq: 5 Dec 2018 17:26

Tgt Ion: 130 Resp: 832813

Ion Ratio Lower Upper

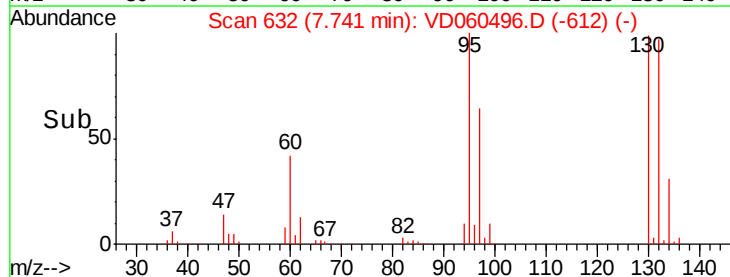
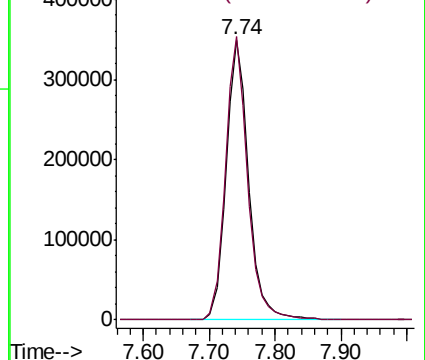
130 100

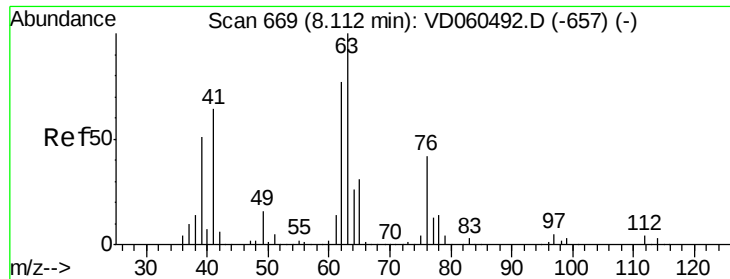
95 101.2 0.0 203.8



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 50.650 ug/l

RT: 8.11 min Scan# 669

Delta R.T. -0.01 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

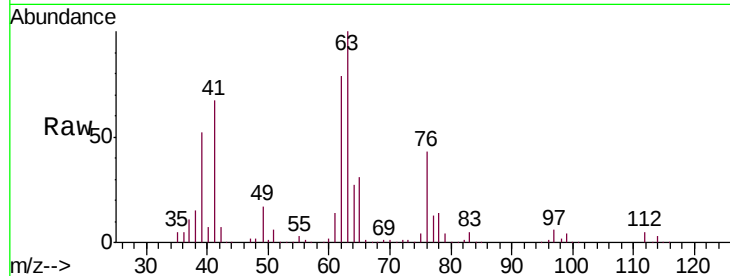
ICVVD120518

Tgt Ion: 63 Resp: 693984

Ion Ratio Lower Upper

63 100

65 31.3 24.6 37.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.11

250000

200000

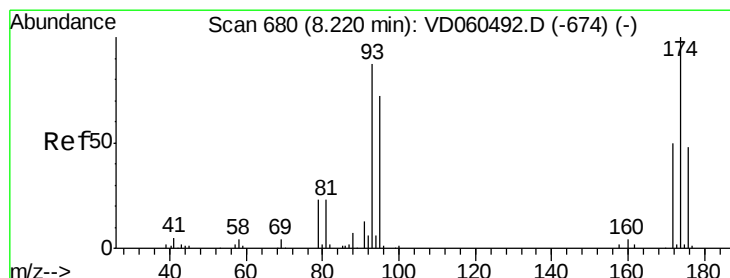
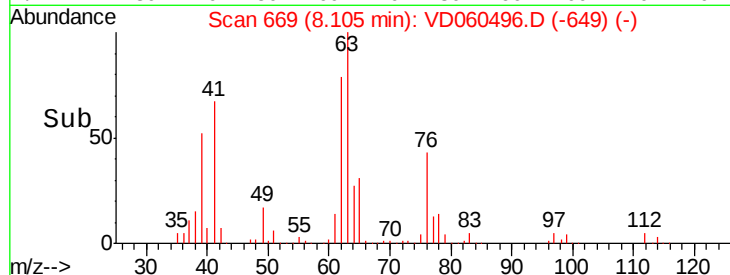
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 52.868 ug/l

RT: 8.21 min Scan# 680

Delta R.T. -0.01 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

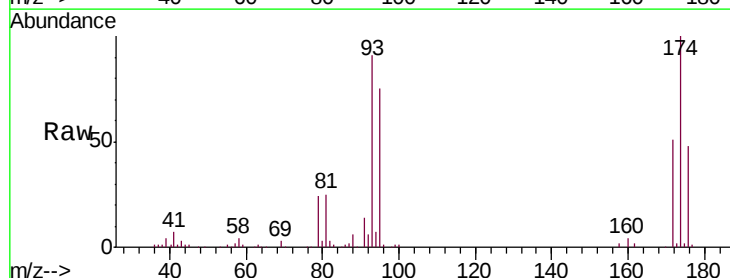
Tgt Ion: 93 Resp: 418524

Ion Ratio Lower Upper

93 100

95 82.6 65.6 98.4

174 109.8 91.7 137.5



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

250000

200000

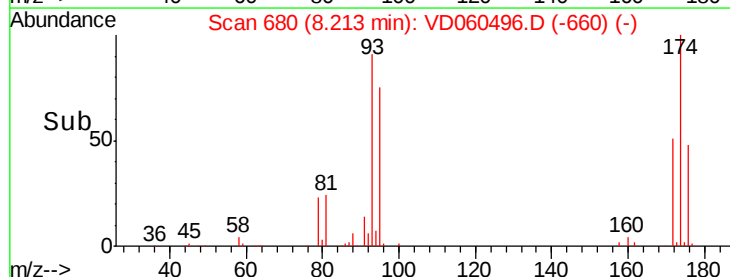
150000

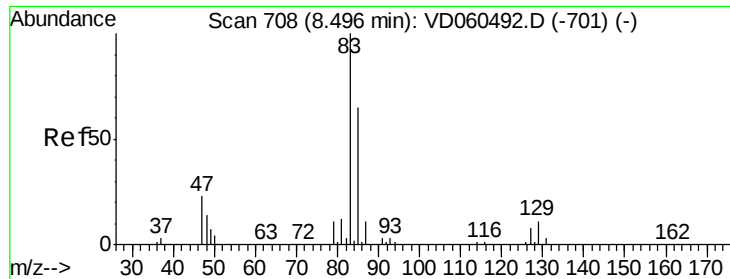
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 51.857 ug/l

RT: 8.49 min Scan# 708

Delta R.T. -0.01 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

ICVVD120518

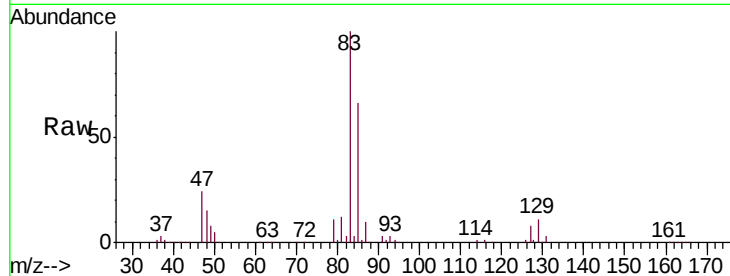
Tgt Ion: 83 Resp: 974064

Ion Ratio Lower Upper

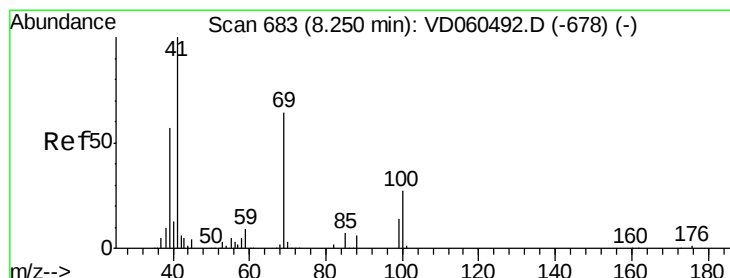
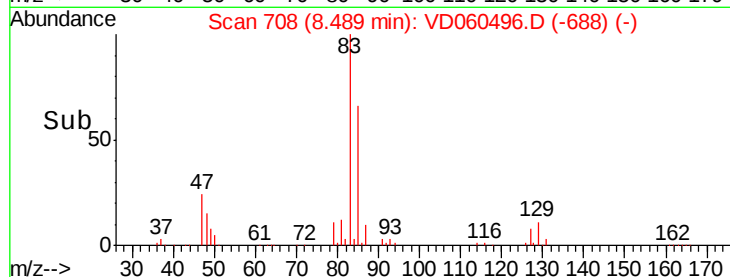
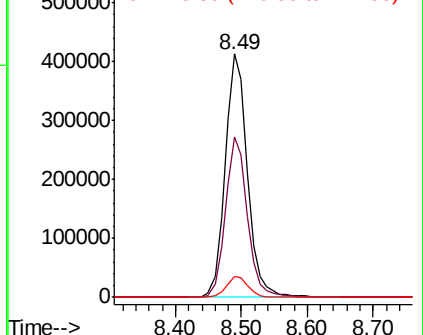
83 100

85 65.9 52.2 78.4

127 8.4 6.7 10.1



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: 56.510 ug/l

RT: 8.24 min Scan# 683

Delta R.T. -0.01 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

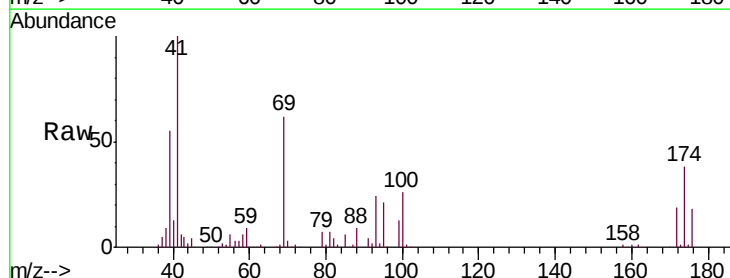
Tgt Ion: 41 Resp: 388027

Ion Ratio Lower Upper

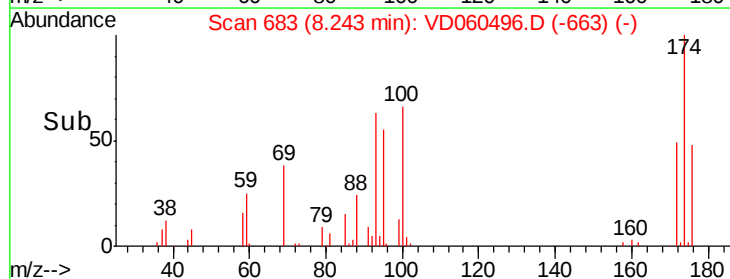
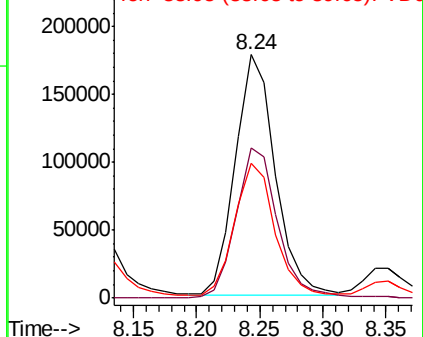
41 100

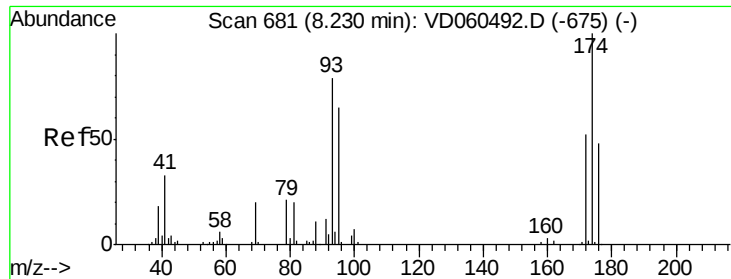
69 61.5 50.2 75.4

39 55.2 46.1 69.1



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: 1195.989 ug/l

RT: 8.22 min Scan# 681

Delta R.T. -0.01 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

ICVVD120518

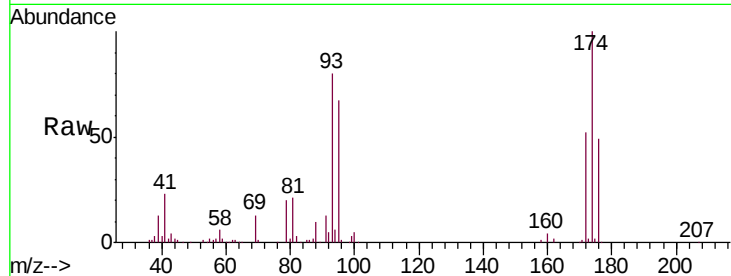
Tgt Ion: 88 Resp: 74430

Ion Ratio Lower Upper

88 100

43 40.3 32.9 49.3

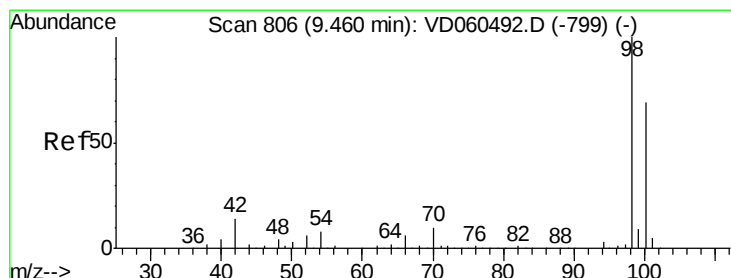
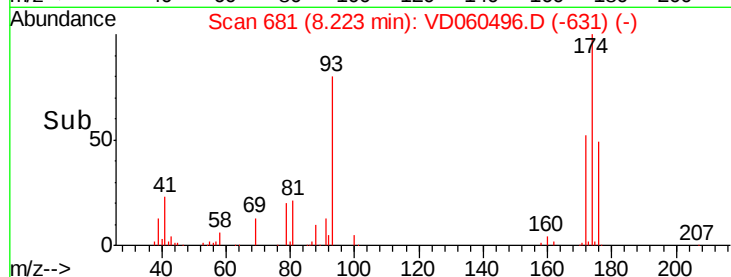
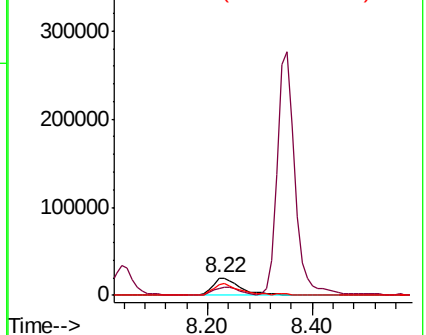
58 62.6 47.7 71.5



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: 1195.989 ug/l

RT: 9.45 min Scan# 806

Delta R.T. -0.01 min

Lab File: VD060496.D

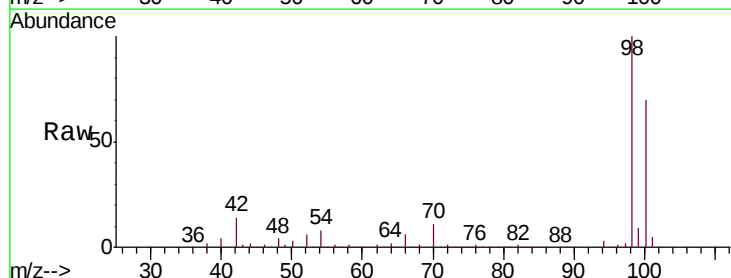
Acq: 5 Dec 2018 17:26

Tgt Ion: 98 Resp: 2290971

Ion Ratio Lower Upper

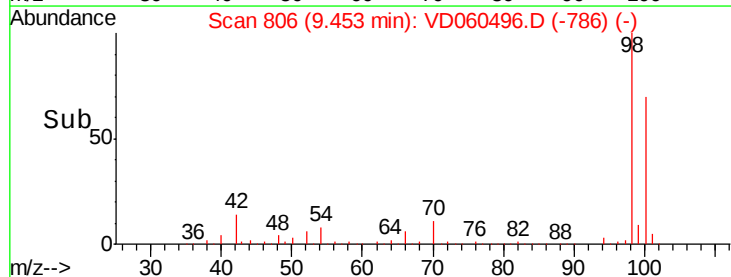
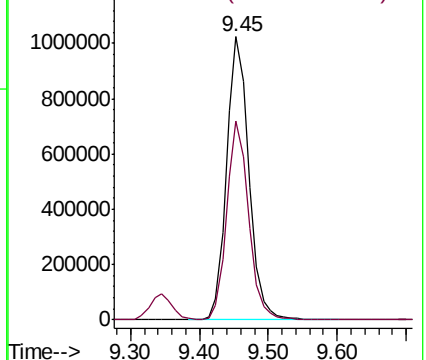
98 100

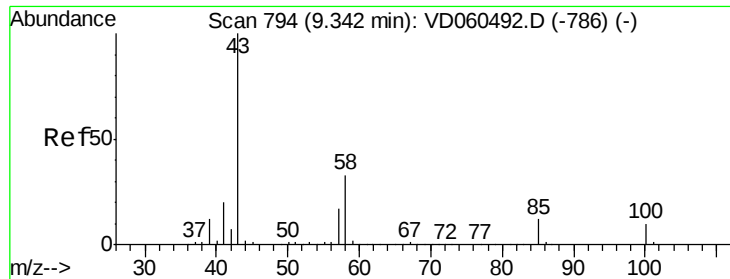
100 70.2 55.7 83.5



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: 284.742 ug/l

RT: 9.35 min Scan# 795

Delta R.T. 0.00 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

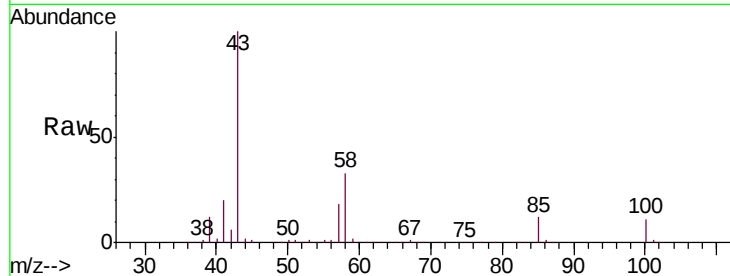
ICVVD120518

Tgt Ion: 43 Resp: 2055465

Ion Ratio Lower Upper

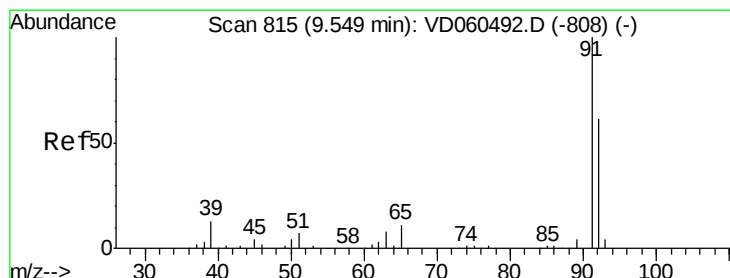
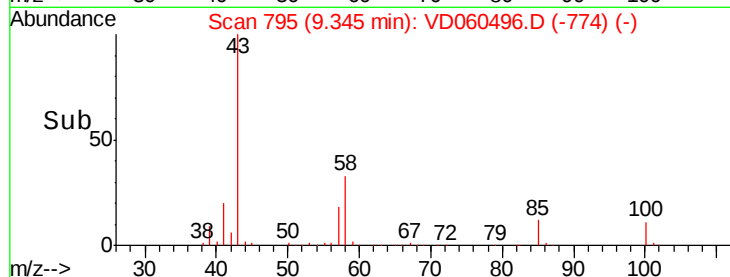
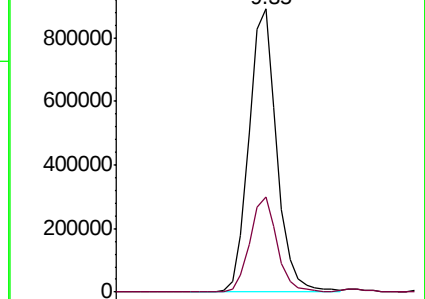
43 100

58 33.4 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 48.734 ug/l

RT: 9.55 min Scan# 816

Delta R.T. 0.00 min

Lab File: VD060496.D

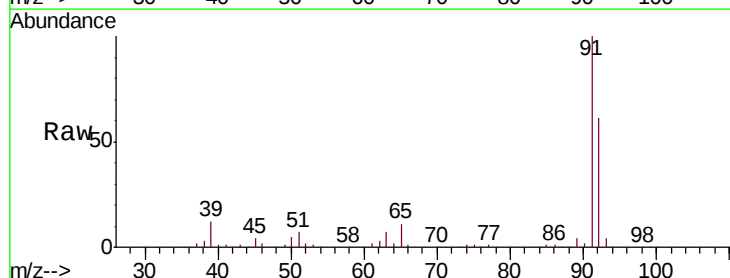
Acq: 5 Dec 2018 17:26

Tgt Ion: 92 Resp: 1687477

Ion Ratio Lower Upper

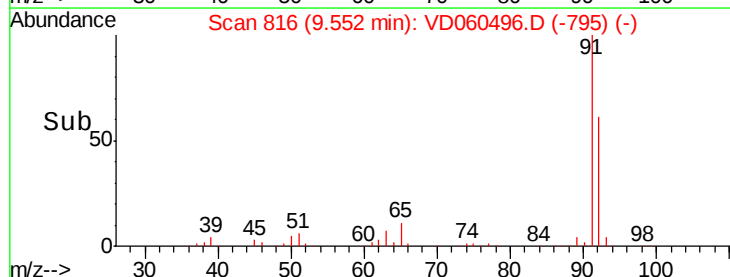
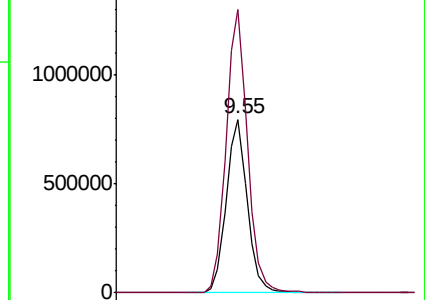
92 100

91 162.9 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

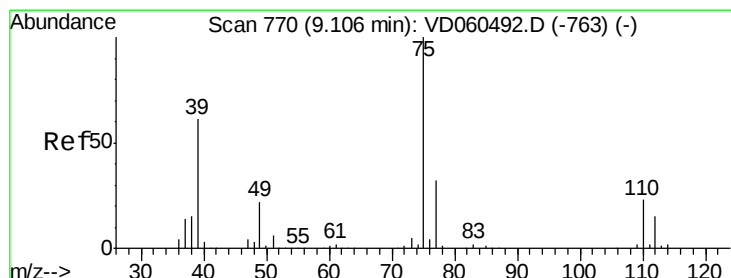
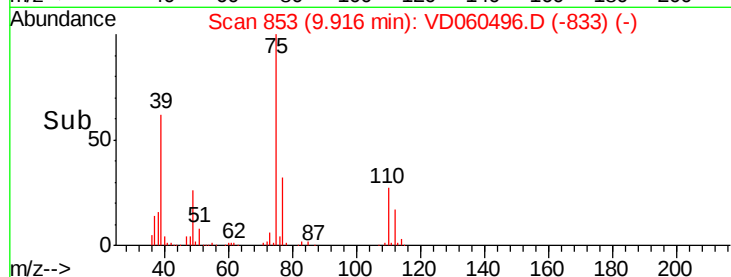
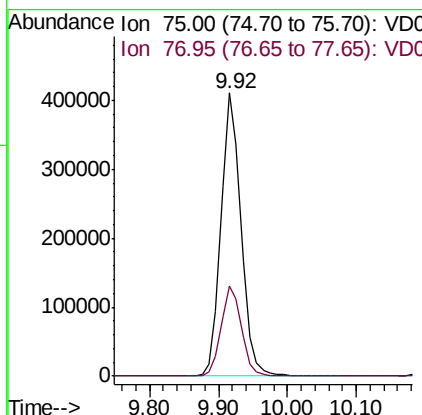
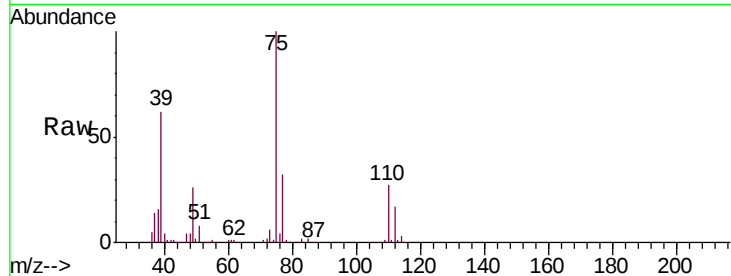




#53
t-1,3-Dichloropropene
Concen: 53.697 ug/l
RT: 9.92 min Scan# 853
Delta R.T. -0.01 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

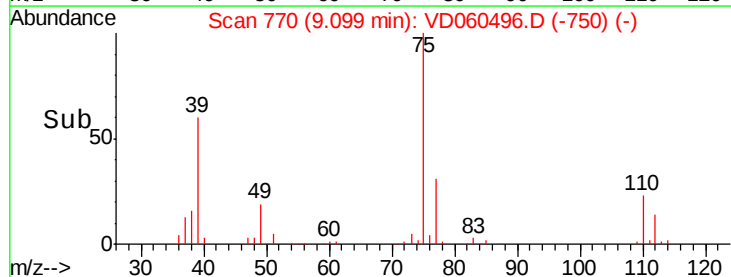
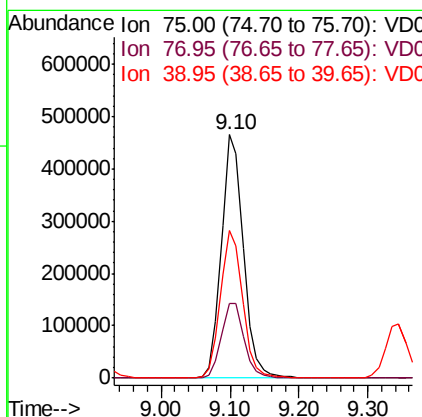
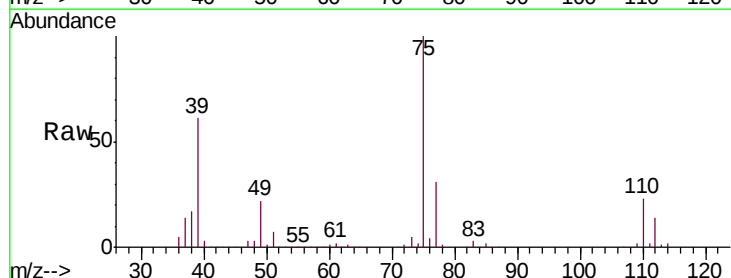
Instrument :
MSVOA_D
ClientSampleId :
ICVVD120518

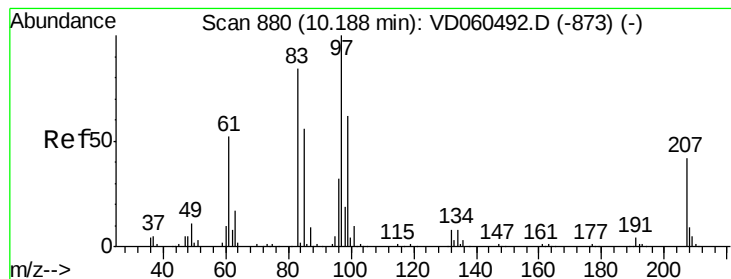
Tgt Ion: 75 Resp: 828777
Ion Ratio Lower Upper
75 100
77 32.0 26.2 39.2



#54
cis-1,3-Dichloropropene
Concen: 50.944 ug/l
RT: 9.10 min Scan# 770
Delta R.T. -0.01 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Tgt Ion: 75 Resp: 1033061
Ion Ratio Lower Upper
75 100
77 30.9 25.6 38.4
39 60.8 48.6 73.0





#55

1,1,2-Trichloroethane

Concen: 51.824 ug/l

RT: 10.18 min Scan# 880

Delta R.T. -0.01 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

ICVVD120518

Tgt Ion: 97 Resp: 499723

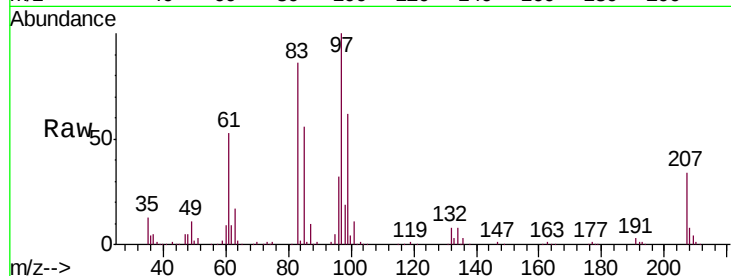
Ion Ratio Lower Upper

97 100

83 85.8 67.2 100.8

85 56.2 44.5 66.7

99 61.6 49.3 73.9

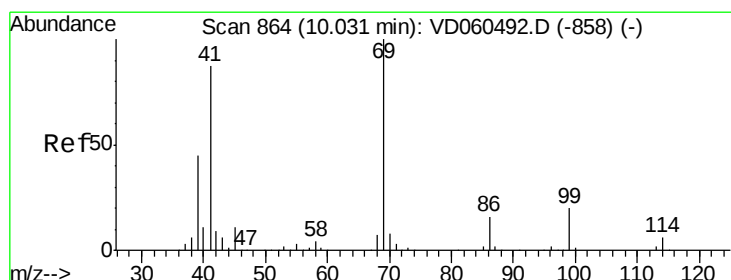
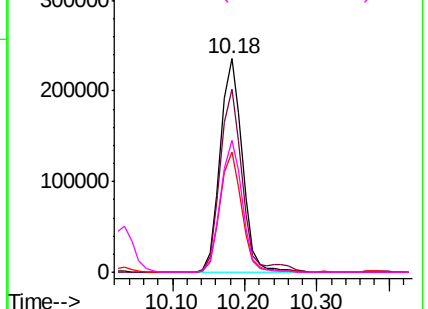
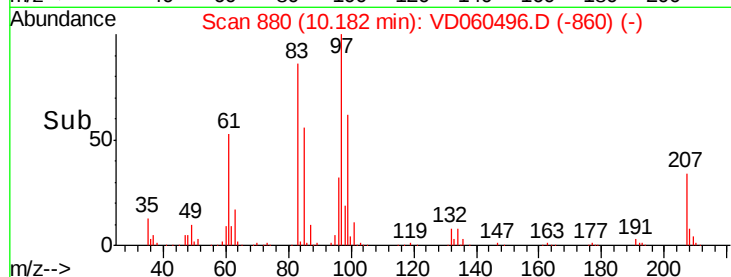


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 56.180 ug/l

RT: 10.03 min Scan# 865

Delta R.T. 0.00 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

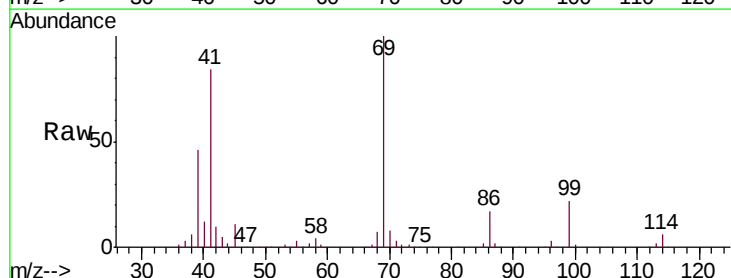
Tgt Ion: 69 Resp: 490271

Ion Ratio Lower Upper

69 100

41 83.9 69.8 104.8

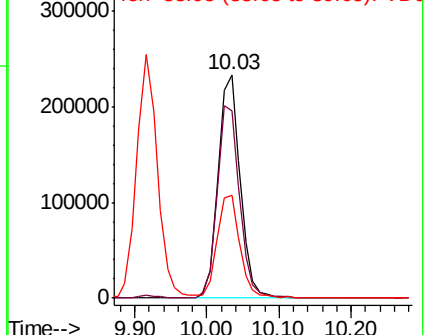
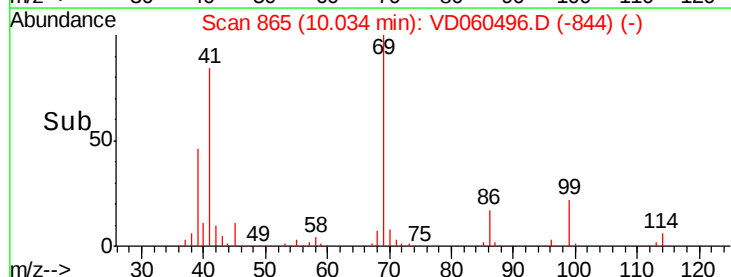
39 45.9 37.5 56.3

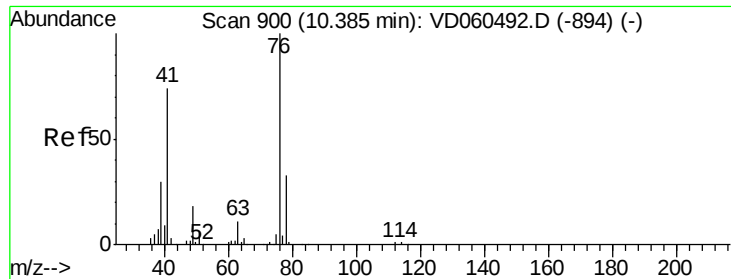


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 50.761 ug/l

RT: 10.38 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

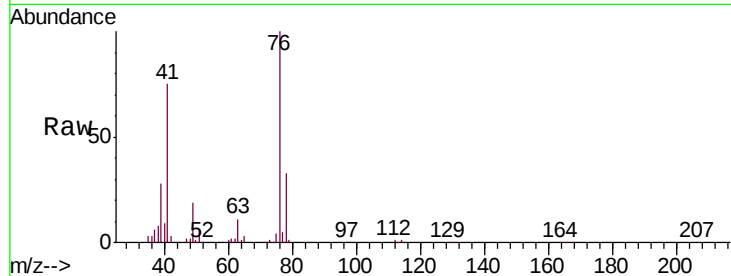
ICVVD120518

Tgt Ion: 76 Resp: 756652

Ion Ratio Lower Upper

76 100

78 33.4 26.1 39.1



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

10.38

400000

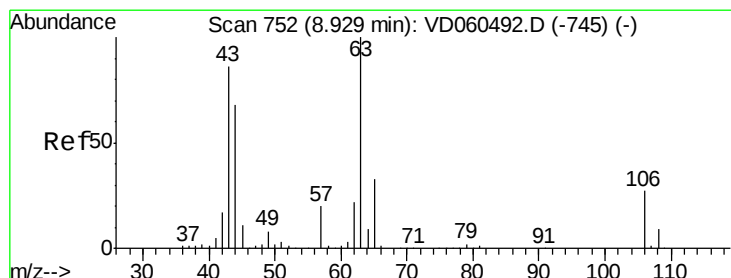
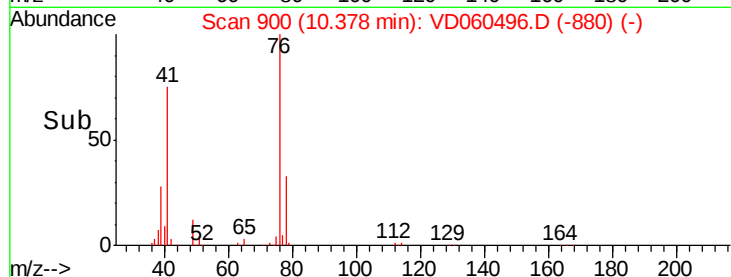
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 270.276 ug/l

RT: 8.92 min Scan# 752

Delta R.T. -0.01 min

Lab File: VD060496.D

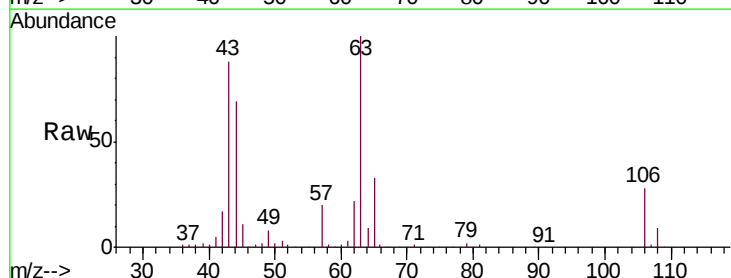
Acq: 5 Dec 2018 17:26

Tgt Ion: 63 Resp: 1411290

Ion Ratio Lower Upper

63 100

106 27.6 21.6 32.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

8.92

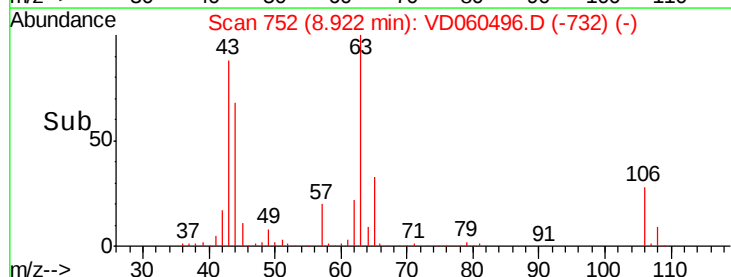
600000

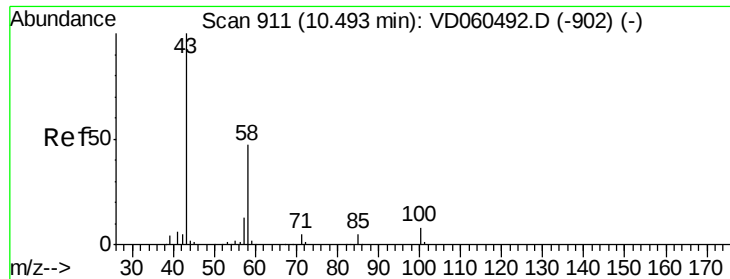
400000

200000

0

Time-->

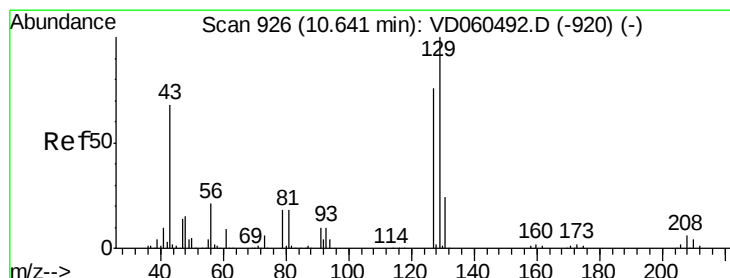
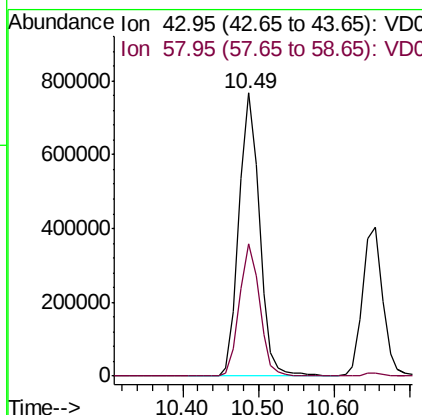
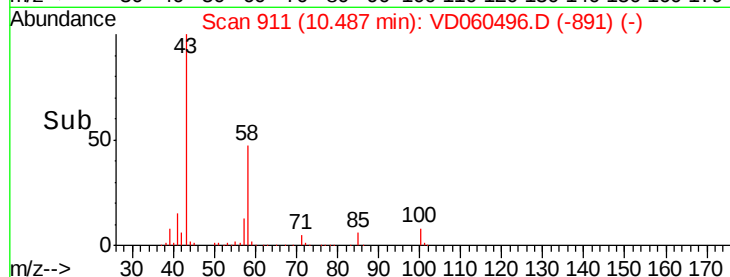
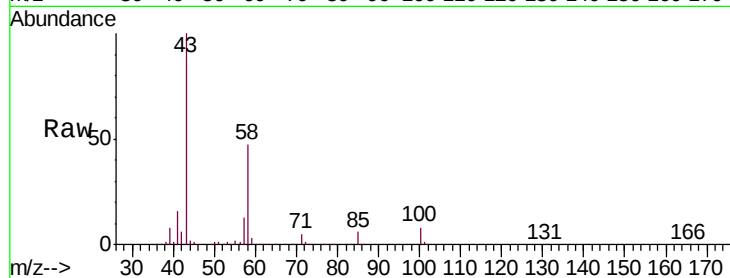




#59
2-Hexanone
Concen: 285.013 ug/l
RT: 10.49 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

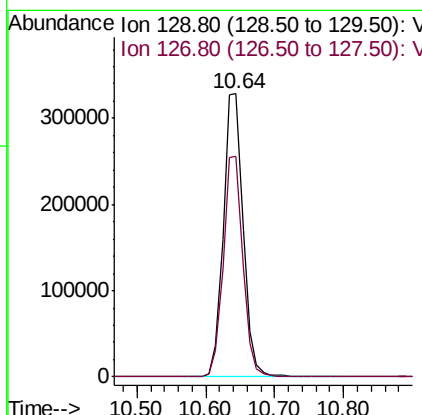
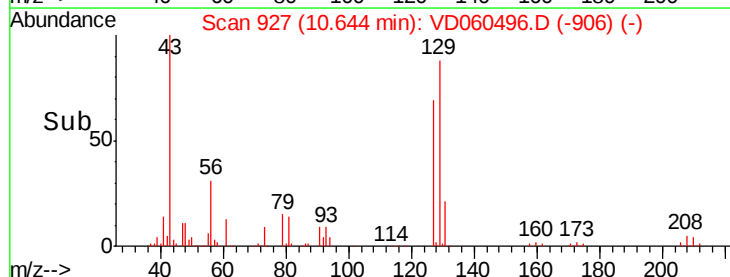
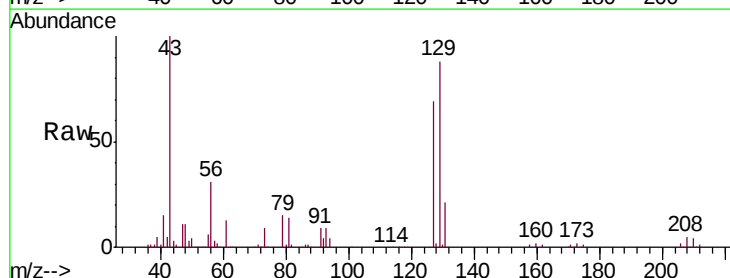
Instrument :
MSVOA_D
ClientSampleId :
ICVVD120518

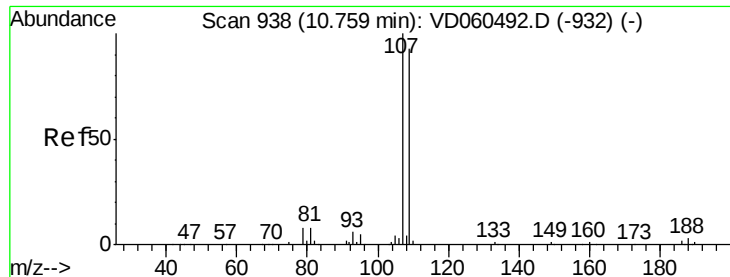
Tgt Ion: 43 Resp: 1438086
Ion Ratio Lower Upper
43 100
58 46.8 23.4 70.2



#60
Dibromochloromethane
Concen: 54.272 ug/l
RT: 10.64 min Scan# 927
Delta R.T. 0.00 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Tgt Ion: 129 Resp: 654297
Ion Ratio Lower Upper
129 100
127 78.0 38.1 114.3

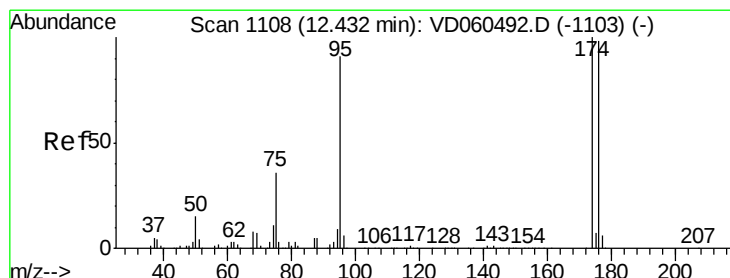
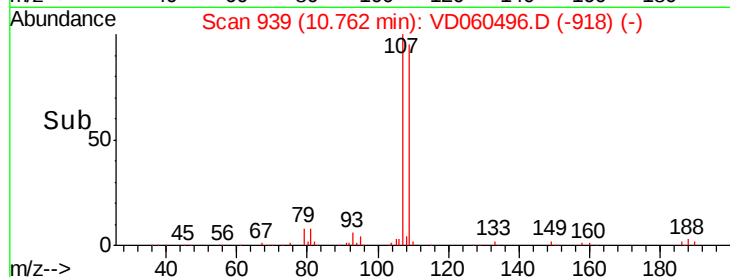
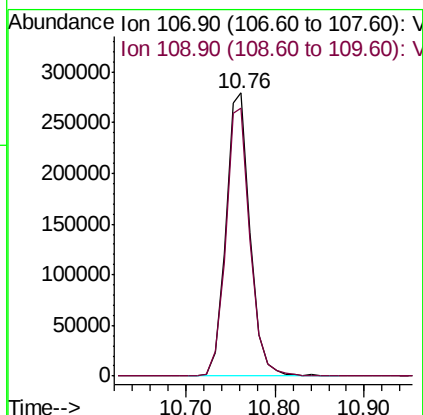
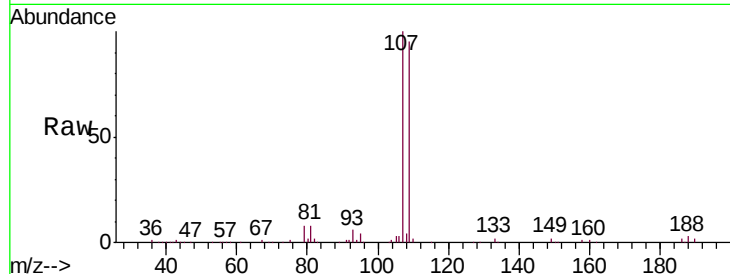




#61
 1,2-Dibromoethane
 Concen: 54.352 ug/l
 RT: 10.76 min Scan# 939
 Delta R.T. 0.00 min
 Lab File: VD060496.D
 Acq: 5 Dec 2018 17:26

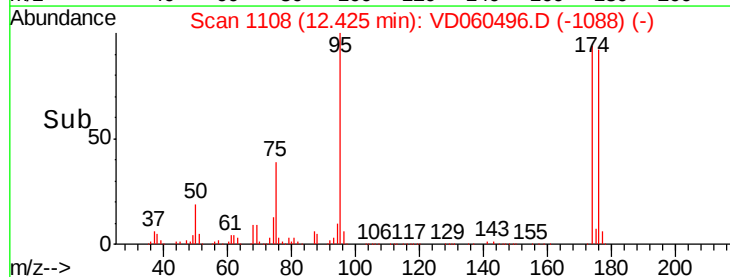
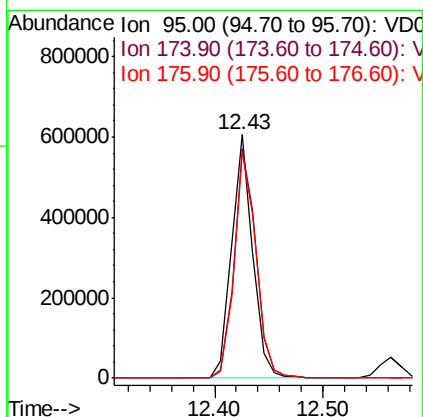
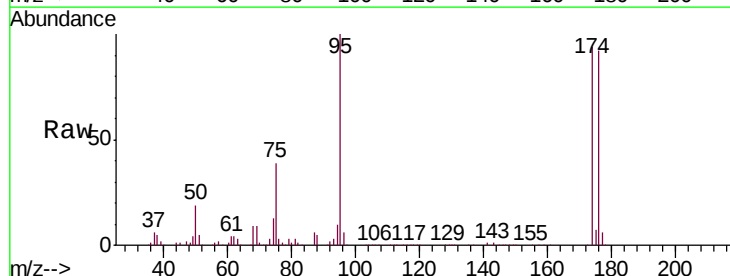
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD120518

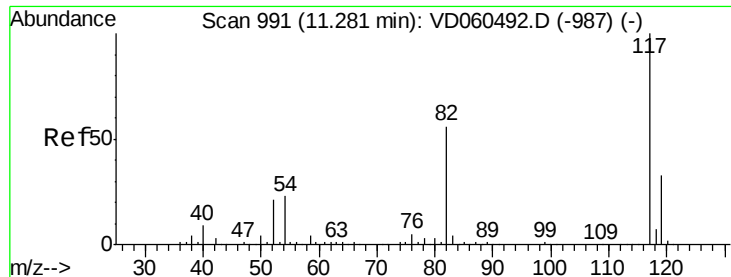
Tgt Ion: 107 Resp: 534109
 Ion Ratio Lower Upper
 107 100
 109 94.8 74.7 112.1



#62
 4-Bromofluorobenzene
 Concen: 54.352 ug/l
 RT: 12.43 min Scan# 1108
 Delta R.T. -0.01 min
 Lab File: VD060496.D
 Acq: 5 Dec 2018 17:26

Tgt Ion: 95 Resp: 819207
 Ion Ratio Lower Upper
 95 100
 174 94.3 0.0 219.4
 176 92.4 0.0 214.6

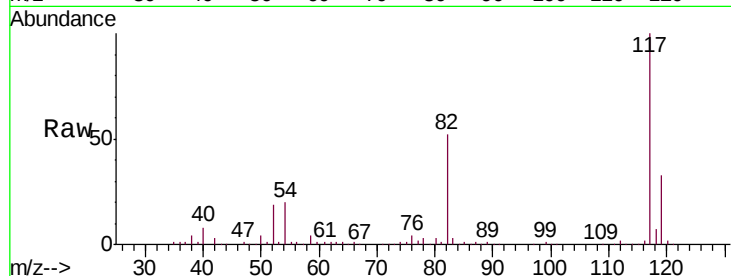




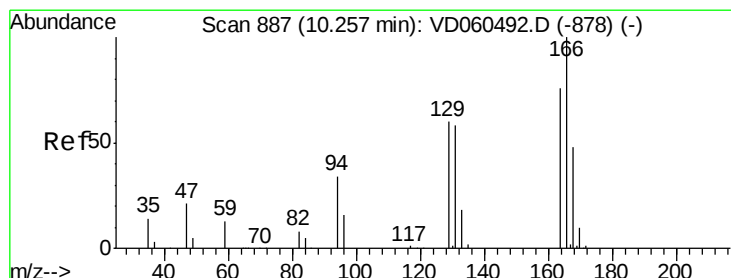
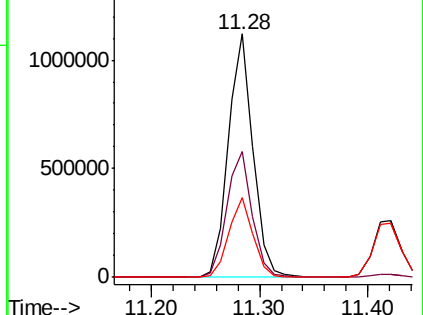
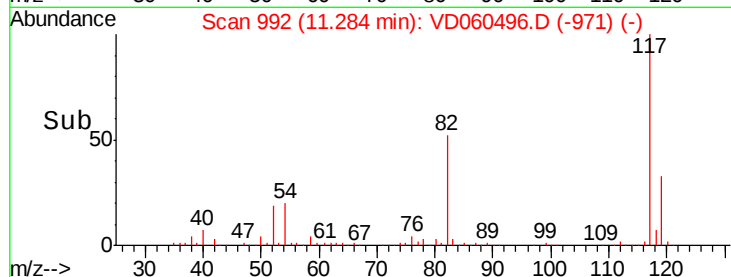
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 992
Delta R.T. 0.00 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Instrument :
MSVOA_D
ClientSampled :
ICVVD120518

Tgt Ion:117 Resp: 1774176
Ion Ratio Lower Upper
117 100
82 51.8 45.2 67.8
119 33.0 26.1 39.1

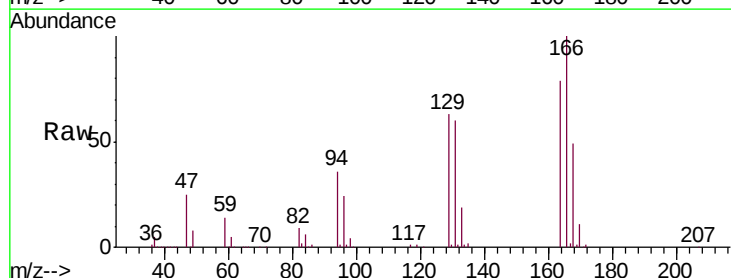


Abundance Ion 116.95 (116.65 to 117.65): V
1500000 Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

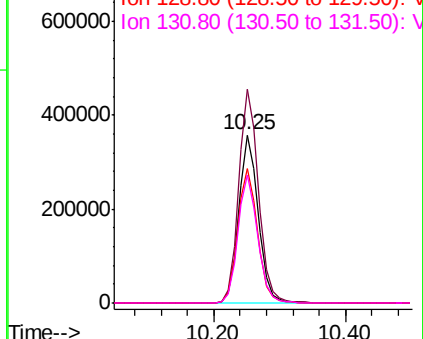
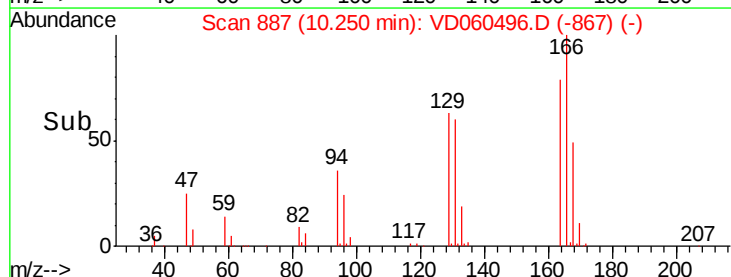


#64
Tetrachloroethene
Concen: 47.145 ug/l
RT: 10.25 min Scan# 887
Delta R.T. -0.01 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Tgt Ion:164 Resp: 740657
Ion Ratio Lower Upper
164 100
166 127.1 105.0 157.6
129 79.7 63.0 94.4
131 76.3 60.6 90.8



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

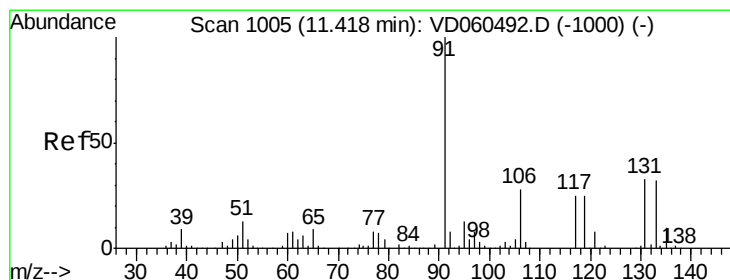
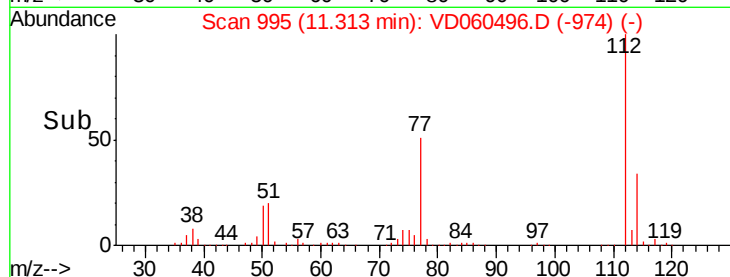
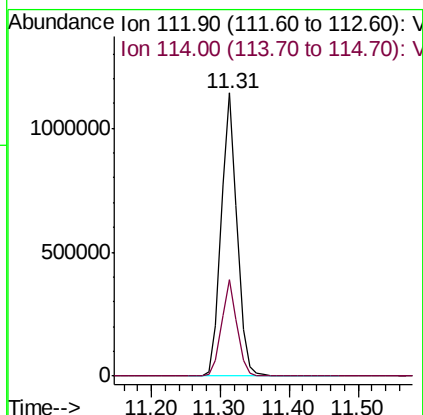
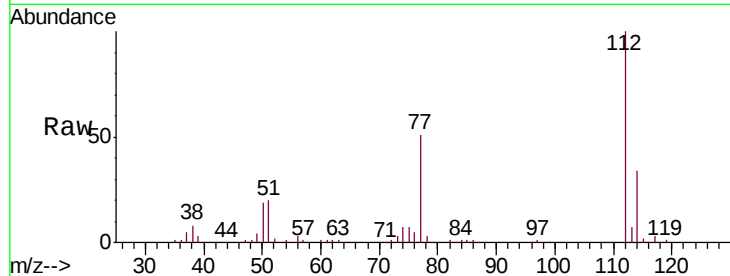




#65
Chlorobenzene
Concen: 48.678 ug/l
RT: 11.31 min Scan# 995
Delta R.T. 0.00 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

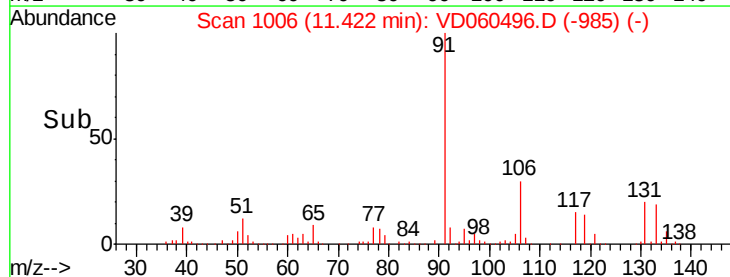
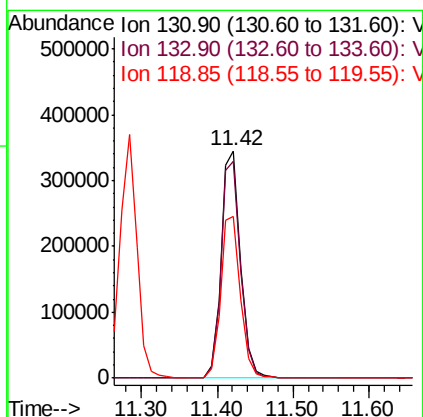
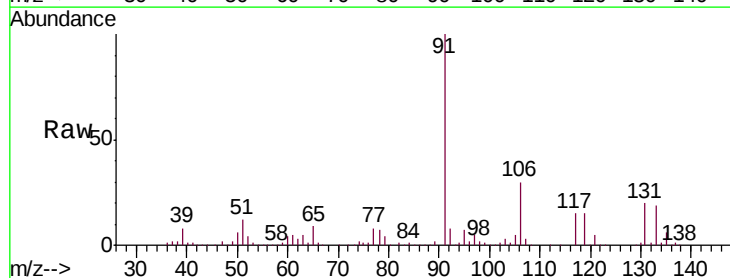
Instrument :
MSVOA_D
ClientSampleId :
ICVVD120518

Tgt Ion:112 Resp: 1827056
Ion Ratio Lower Upper
112 100
114 33.9 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 50.646 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Tgt Ion:131 Resp: 612696
Ion Ratio Lower Upper
131 100
133 95.6 49.1 147.3
119 71.4 37.5 112.3

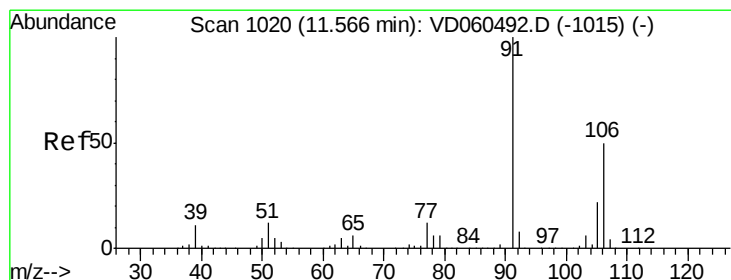
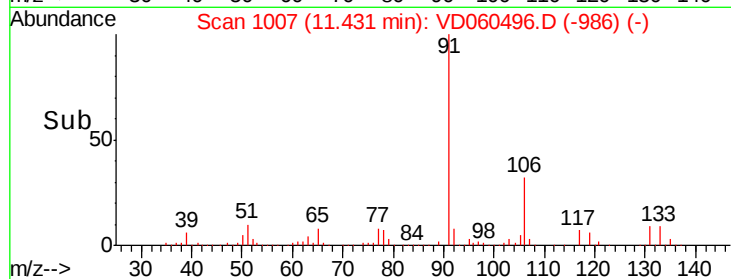
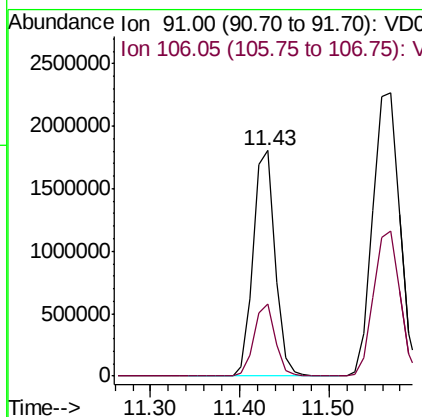
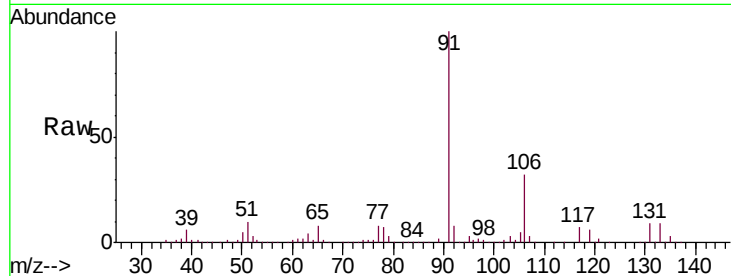




#67
Ethyl Benzene
Concen: 47.736 ug/l
RT: 11.43 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

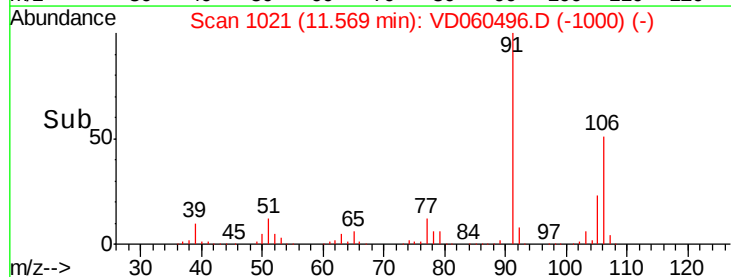
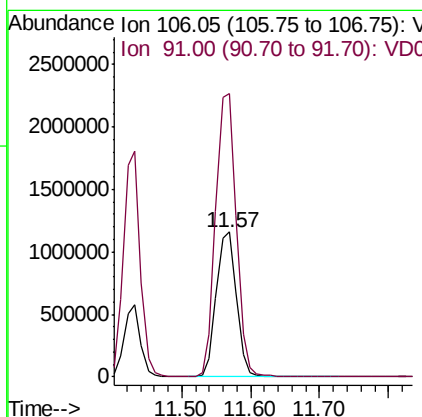
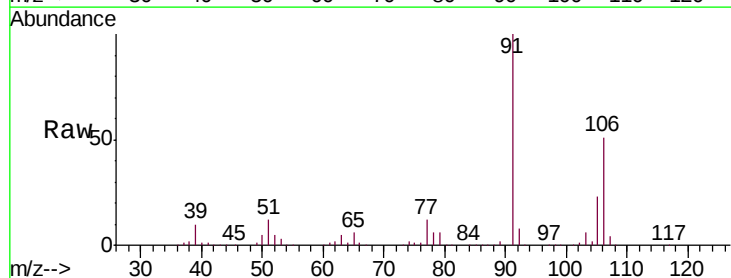
Instrument :
MSVOA_D
ClientSampleId :
ICVVD120518

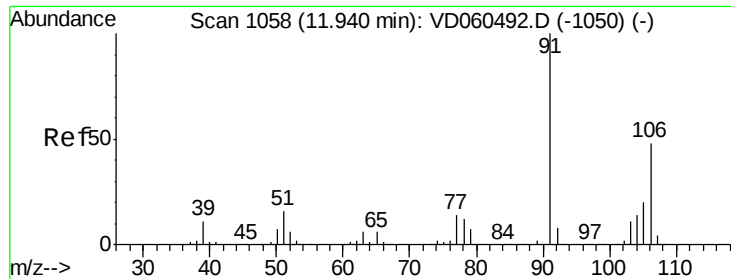
Tgt Ion: 91 Resp: 3056103
Ion Ratio Lower Upper
91 100
106 32.0 24.6 37.0



#68
m/p-Xylenes
Concen: 99.661 ug/l
RT: 11.57 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Tgt Ion: 106 Resp: 2360478
Ion Ratio Lower Upper
106 100
91 195.7 160.5 240.7

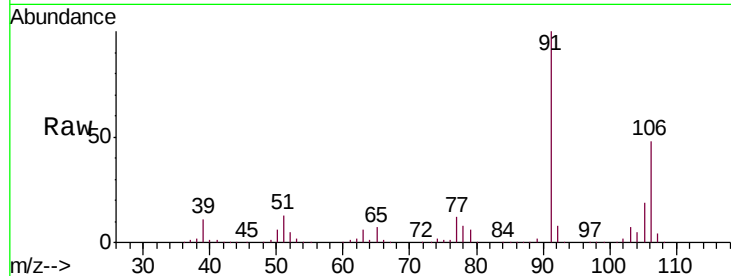




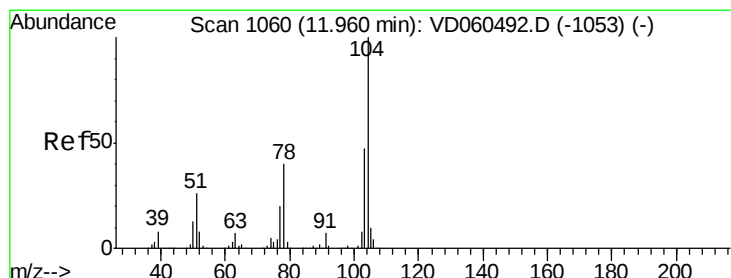
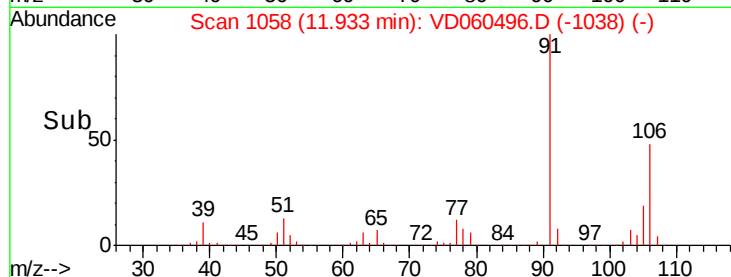
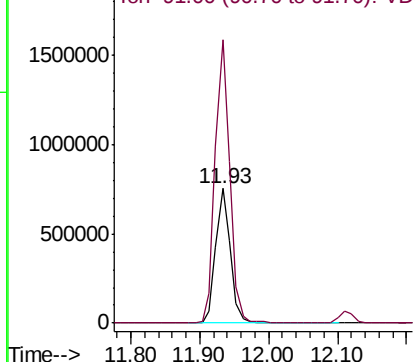
#69
o-Xylene
Concen: 48.691 ug/l
RT: 11.93 min Scan# 1058
Delta R.T. -0.01 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Instrument :
MSVOA_D
ClientSampleId :
ICVVD120518

Tgt Ion:106 Resp: 1099061
Ion Ratio Lower Upper
106 100
91 210.5 103.4 310.1

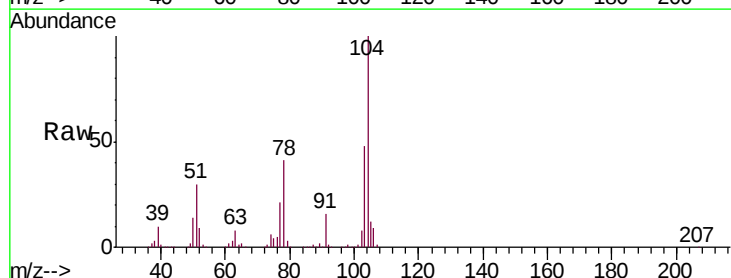


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

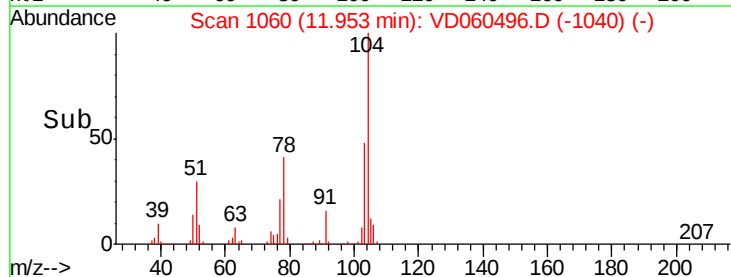
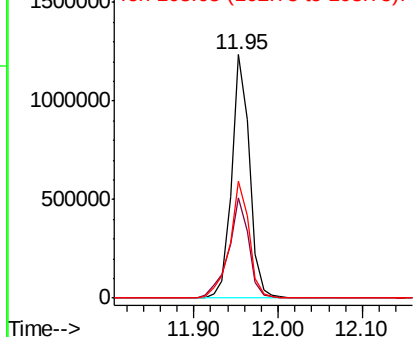


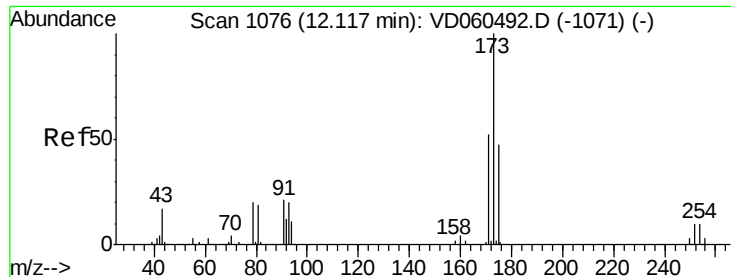
#70
Styrene
Concen: 49.949 ug/l
RT: 11.95 min Scan# 1060
Delta R.T. -0.01 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Tgt Ion:104 Resp: 1809673
Ion Ratio Lower Upper
104 100
78 41.2 32.1 48.1
103 47.9 37.2 55.8



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





#71

Bromoform

Concen: 55.343 ug/l

RT: 12.11 min Scan# 1076

Delta R.T. -0.01 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

ICVVD120518

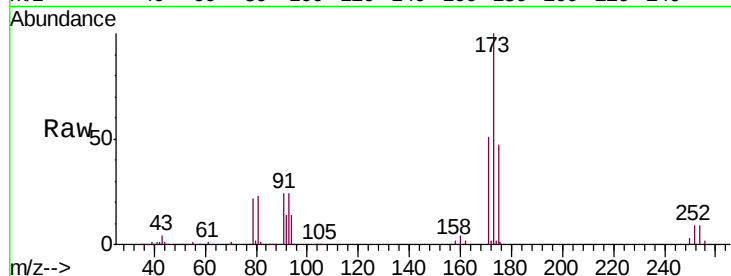
Tgt Ion:173 Resp: 446685

Ion Ratio Lower Upper

173 100

175 47.4 23.5 70.6

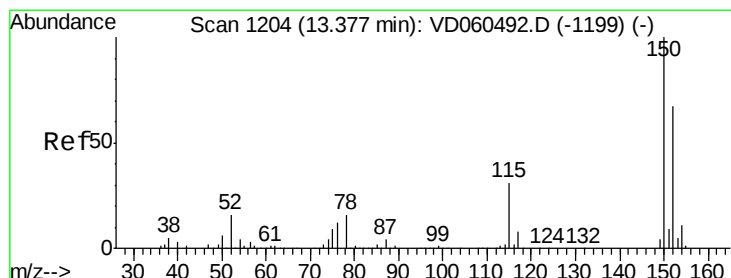
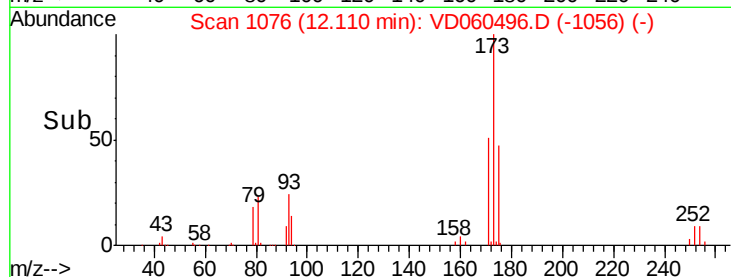
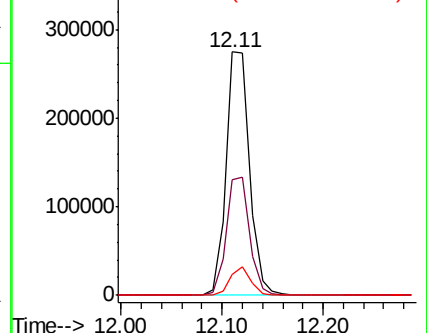
254 8.6 7.8 11.8



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: 13.37 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

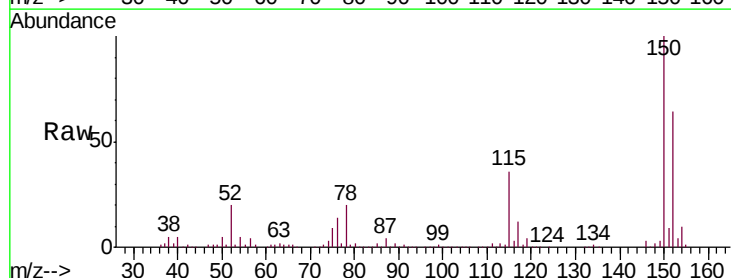
Tgt Ion:152 Resp: 912067

Ion Ratio Lower Upper

152 100

115 55.9 24.6 74.0

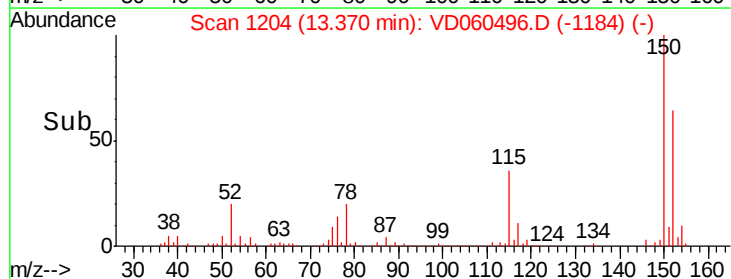
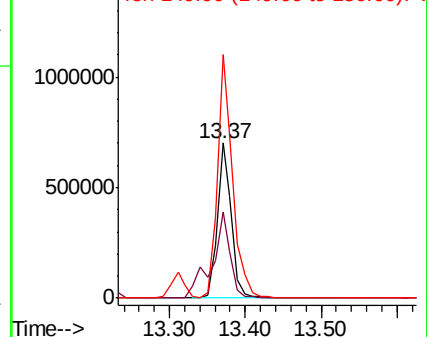
150 156.9 0.0 309.0

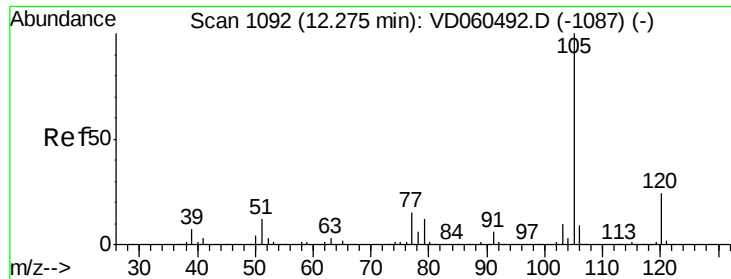


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.402 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

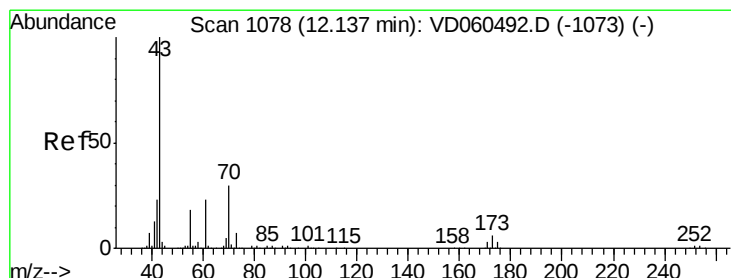
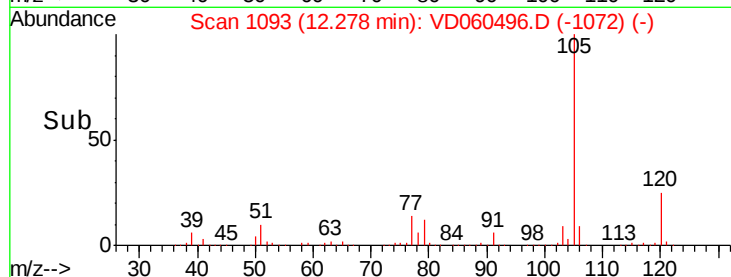
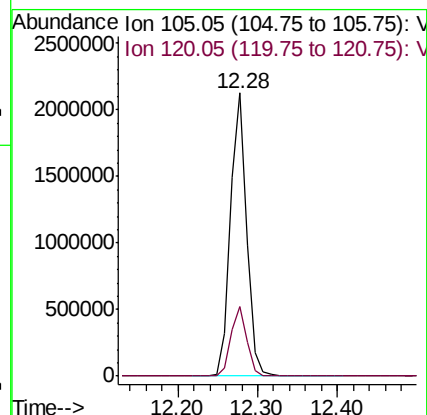
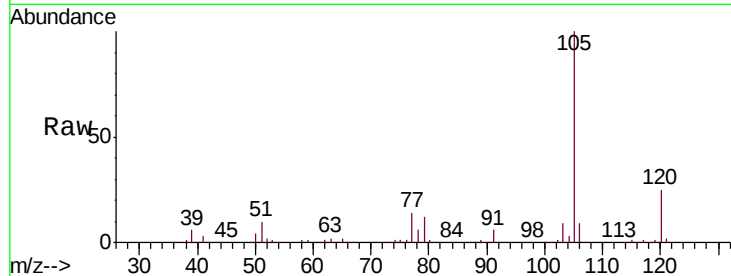
ICVVD120518

Tgt Ion:105 Resp: 3059356

Ion Ratio Lower Upper

105 100

120 24.5 11.9 35.9



#74

N-ethyl acetate

Concen: 54.703 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. -0.01 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

Tgt Ion: 43 Resp: 853281

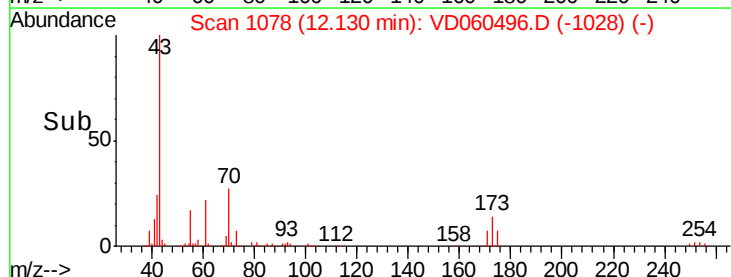
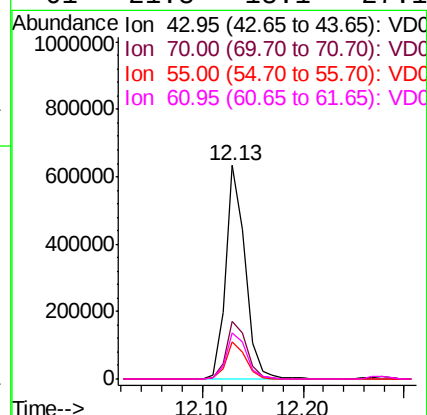
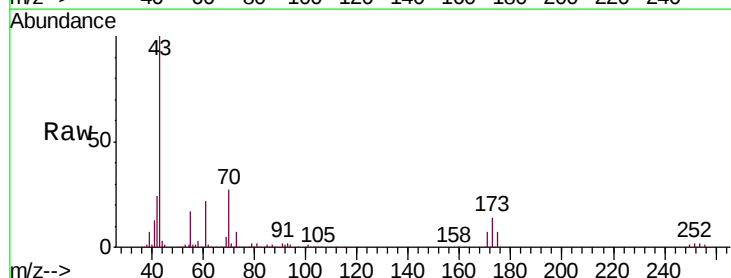
Ion Ratio Lower Upper

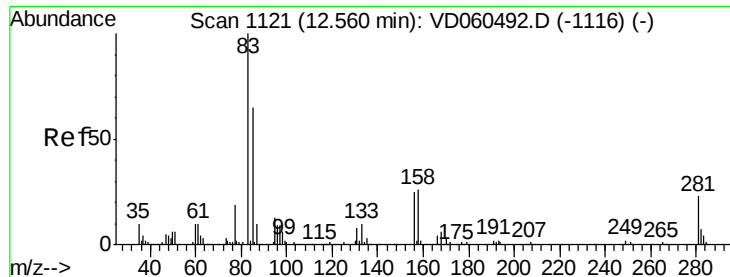
43 100

70 27.2 23.8 35.8

55 17.3 14.2 21.2

61 21.8 18.1 27.1

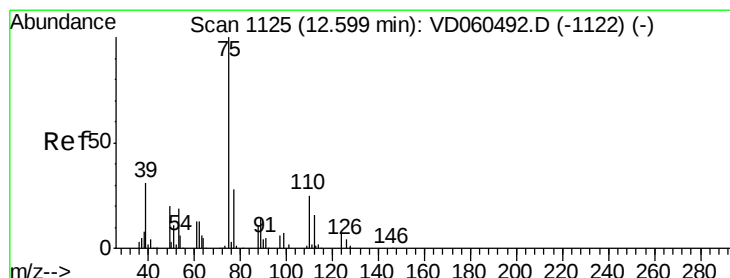
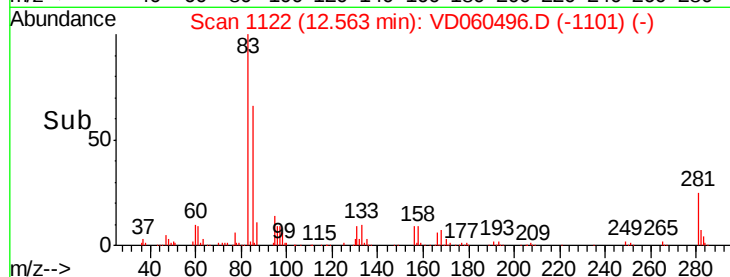
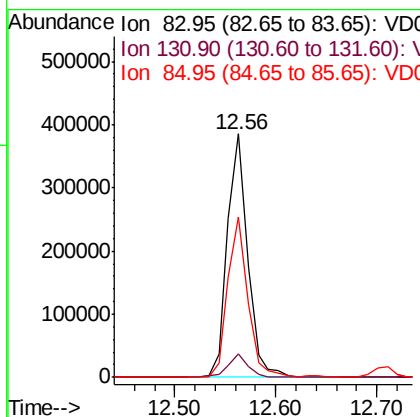
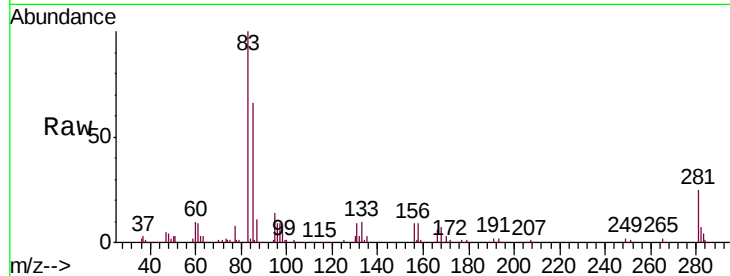




#75
 1,1,2,2-Tetrachloroethane
 Concen: 52.396 ug/l
 RT: 12.56 min Scan# 1122
 Delta R.T. 0.00 min
 Lab File: VD060496.D
 Acq: 5 Dec 2018 17:26

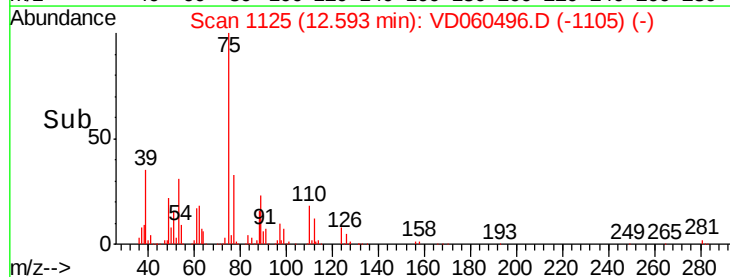
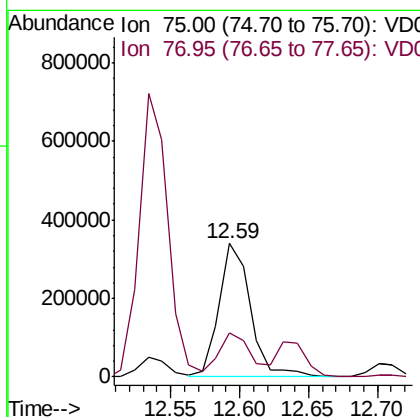
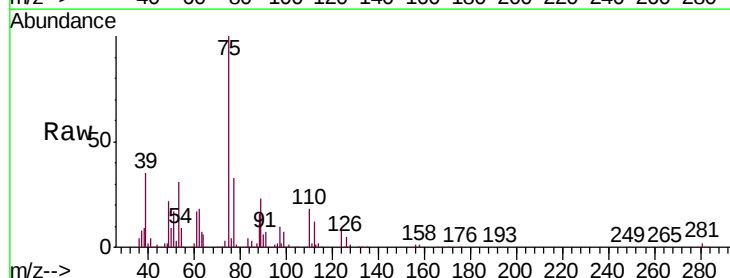
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD120518

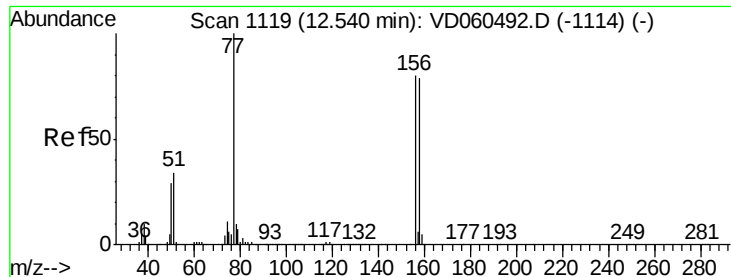
Tgt Ion: 83 Resp: 541382
 Ion Ratio Lower Upper
 83 100
 131 9.5 3.8 11.4
 85 66.1 32.3 96.9



#76
 1,2,3-Trichloropropane
 Concen: 51.684 ug/l
 RT: 12.59 min Scan# 1125
 Delta R.T. -0.01 min
 Lab File: VD060496.D
 Acq: 5 Dec 2018 17:26

Tgt Ion: 75 Resp: 534115
 Ion Ratio Lower Upper
 75 100
 77 32.6 16.4 49.4





#77

Bromobenzene

Concen: 49.391 ug/l

RT: 12.54 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

ICVVD120518

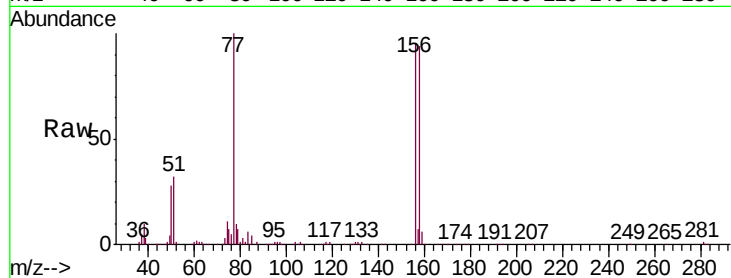
Tgt Ion:156 Resp: 837922

Ion Ratio Lower Upper

156 100

77 105.2 62.5 187.6

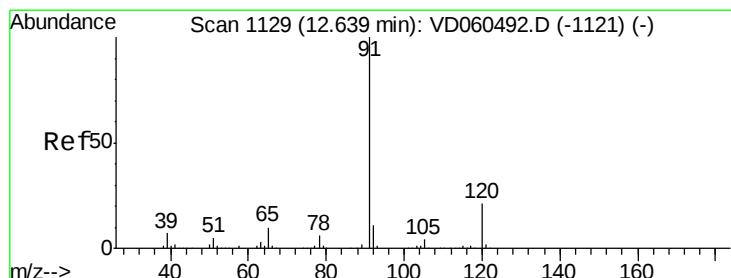
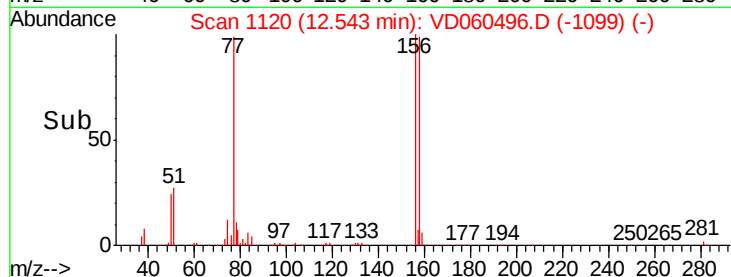
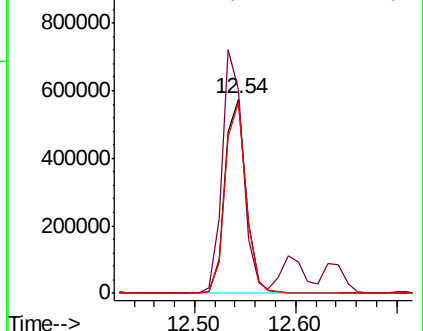
158 98.9 49.4 148.2



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: 47.195 ug/l

RT: 12.64 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VD060496.D

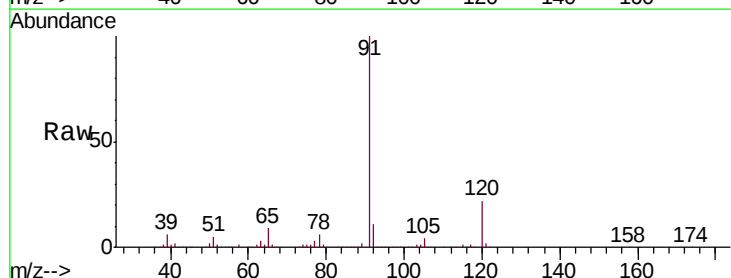
Acq: 5 Dec 2018 17:26

Tgt Ion: 91 Resp: 3850447

Ion Ratio Lower Upper

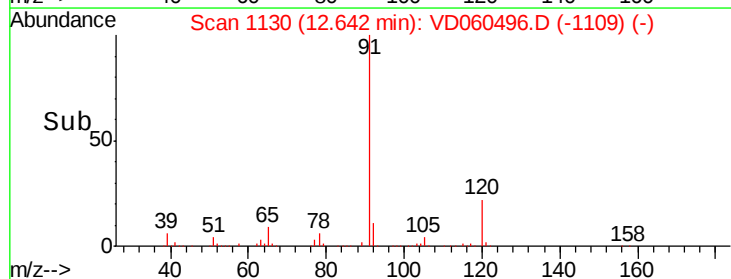
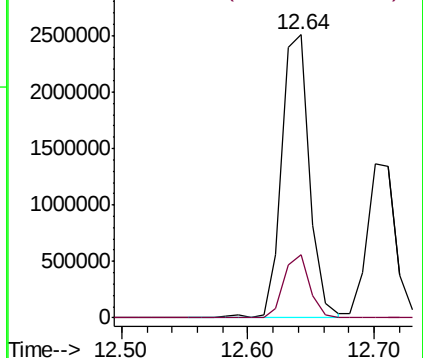
91 100

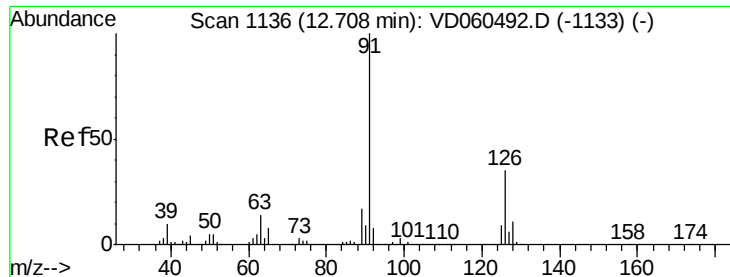
120 22.1 10.4 31.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

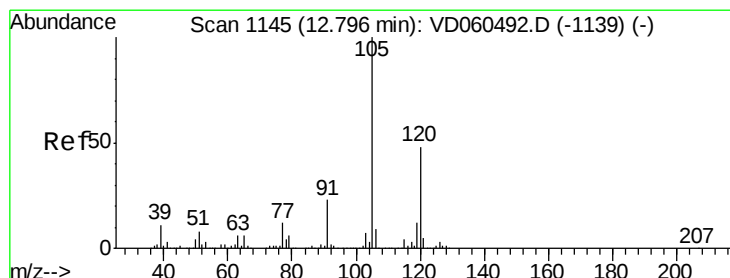
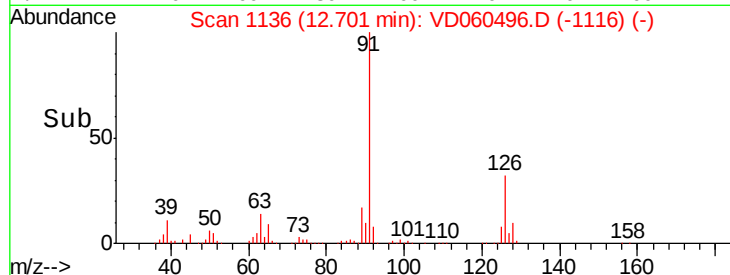
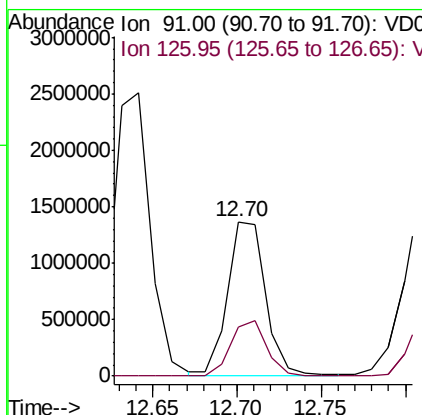
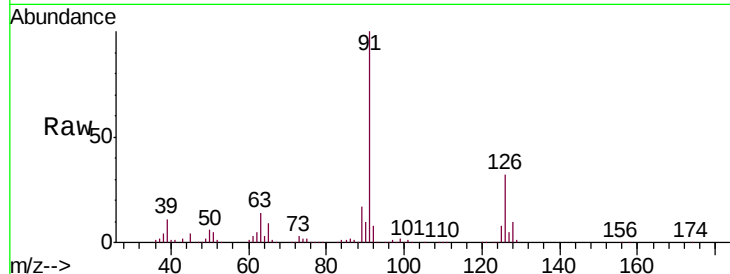




#79
 2-Chlorotoluene
 Concen: 48.027 ug/l
 RT: 12.70 min Scan# 1136
 Delta R.T. -0.01 min
 Lab File: VD060496.D
 Acq: 5 Dec 2018 17:26

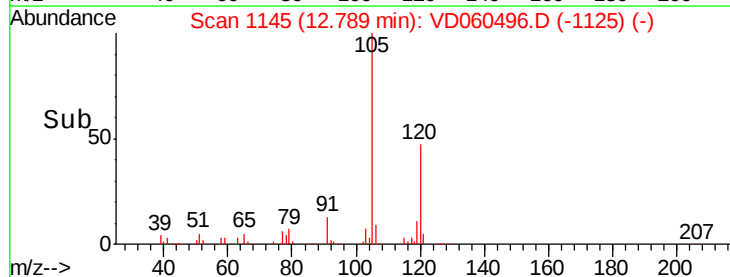
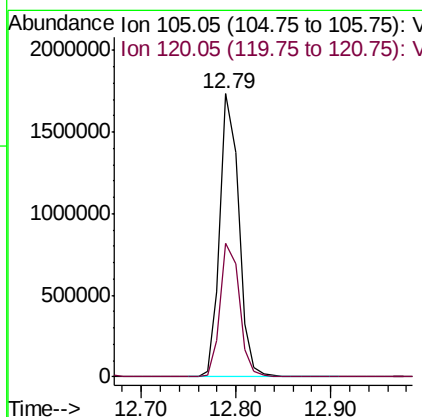
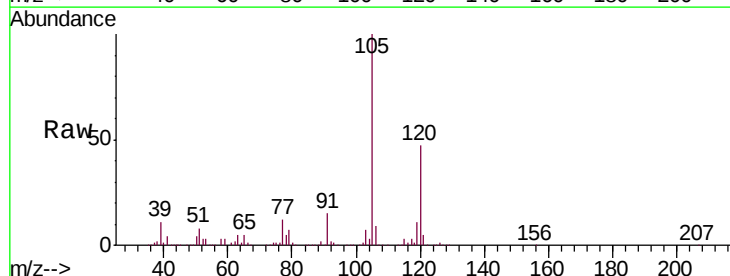
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD120518

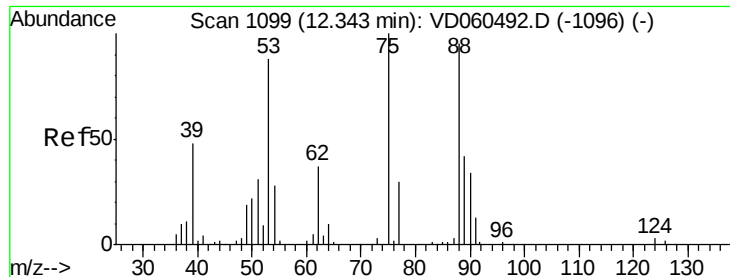
Tgt Ion: 91 Resp: 2126225
 Ion Ratio Lower Upper
 91 100
 126 31.5 17.3 52.0



#80
 1,3,5-Trimethylbenzene
 Concen: 48.794 ug/l
 RT: 12.79 min Scan# 1145
 Delta R.T. -0.01 min
 Lab File: VD060496.D
 Acq: 5 Dec 2018 17:26

Tgt Ion: 105 Resp: 2406382
 Ion Ratio Lower Upper
 105 100
 120 47.1 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 54.362 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. -0.01 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

ICVVD120518

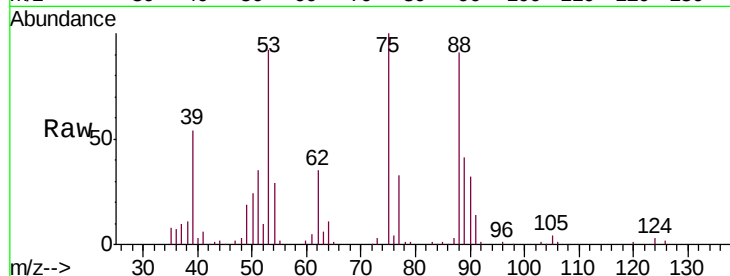
Tgt Ion: 75 Resp: 156686

Ion Ratio Lower Upper

75 100

53 92.4 70.5 105.7

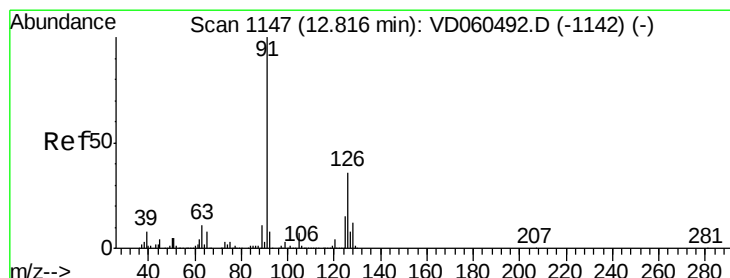
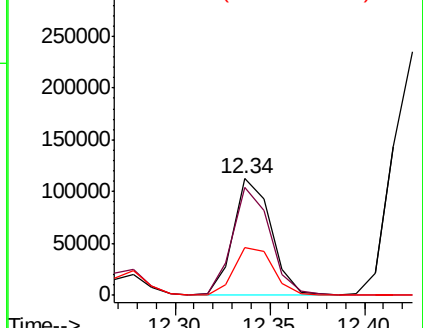
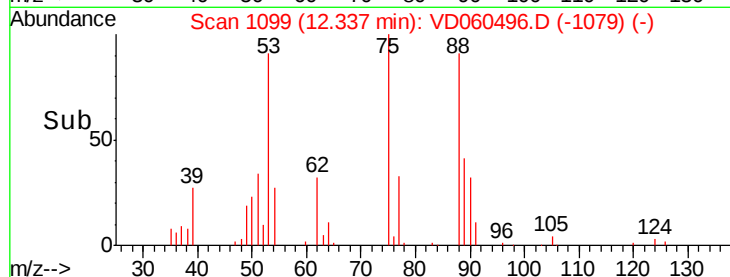
89 40.5 33.6 50.4



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: 46.211 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. -0.01 min

Lab File: VD060496.D

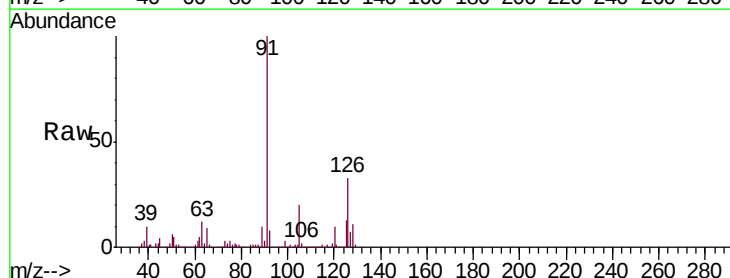
Acq: 5 Dec 2018 17:26

Tgt Ion: 91 Resp: 2297776

Ion Ratio Lower Upper

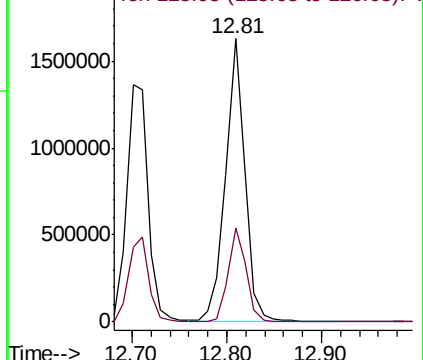
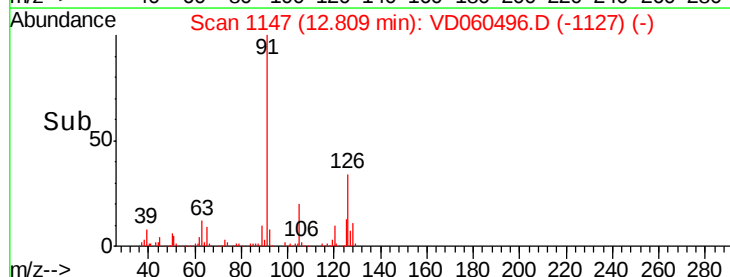
91 100

126 33.0 17.8 53.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

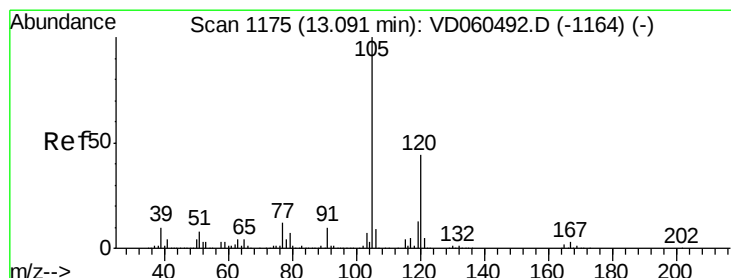
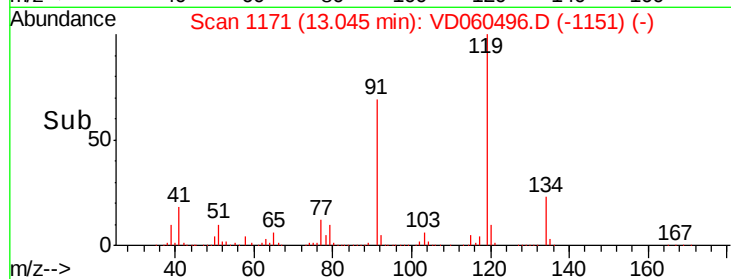
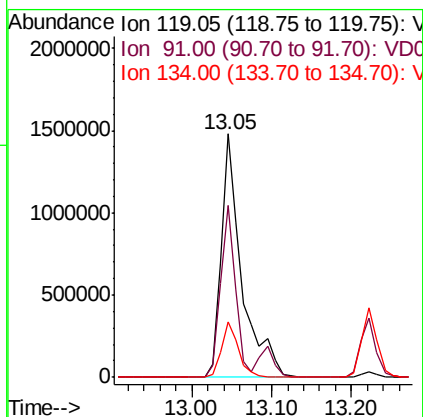
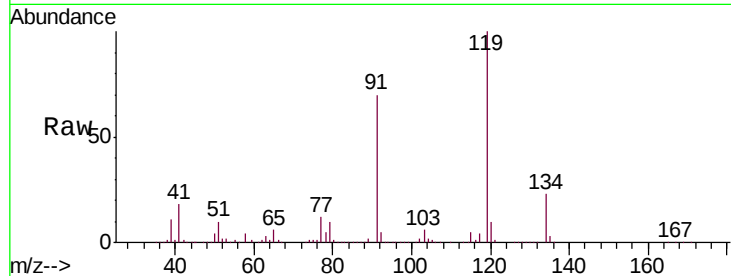




#83
 tert-Butylbenzene
 Concen: 48.339 ug/l
 RT: 13.05 min Scan# 1171
 Delta R.T. -0.01 min
 Lab File: VD060496.D
 Acq: 5 Dec 2018 17:26

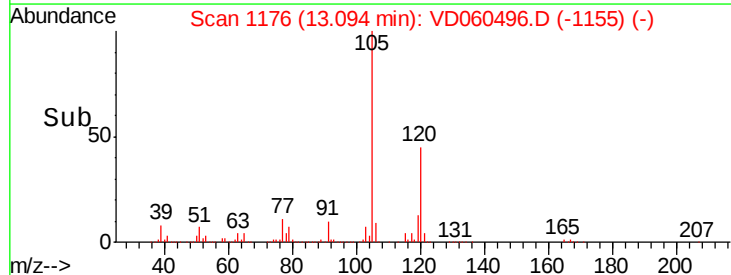
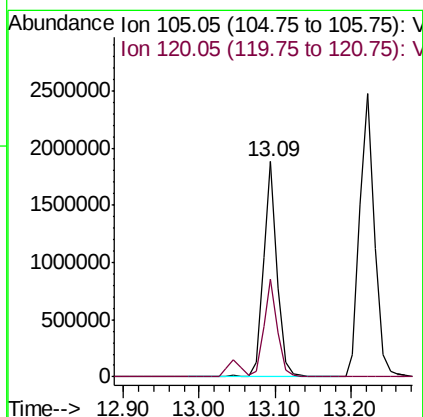
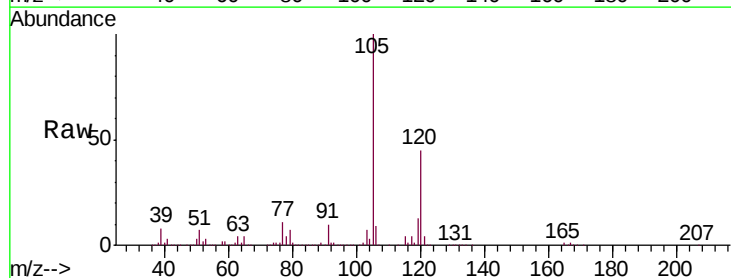
Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD120518

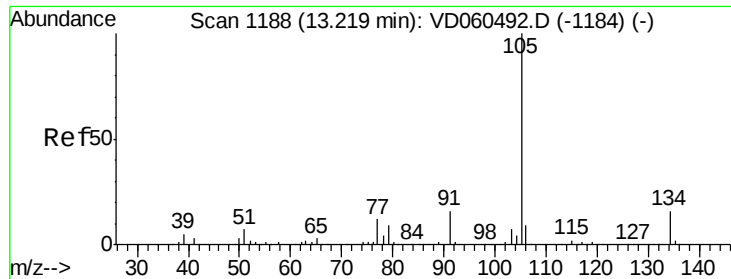
Tgt Ion:119 Resp: 2672927
 Ion Ratio Lower Upper
 119 100
 91 70.4 33.1 99.2
 134 23.0 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 46.599 ug/l
 RT: 13.09 min Scan# 1176
 Delta R.T. 0.00 min
 Lab File: VD060496.D
 Acq: 5 Dec 2018 17:26

Tgt Ion:105 Resp: 2379581
 Ion Ratio Lower Upper
 105 100
 120 45.3 22.3 66.8





#85

sec-Butylbenzene

Concen: 47.885 ug/l

RT: 13.22 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

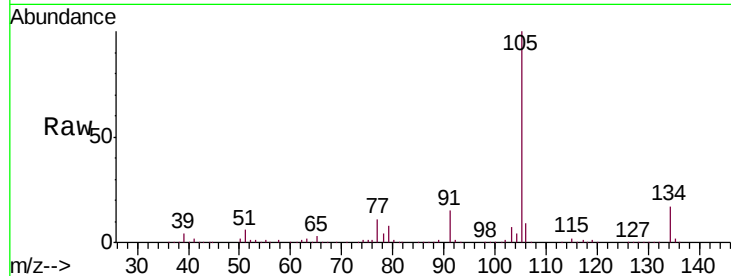
ICVVD120518

Tgt Ion:105 Resp: 3300203

Ion Ratio Lower Upper

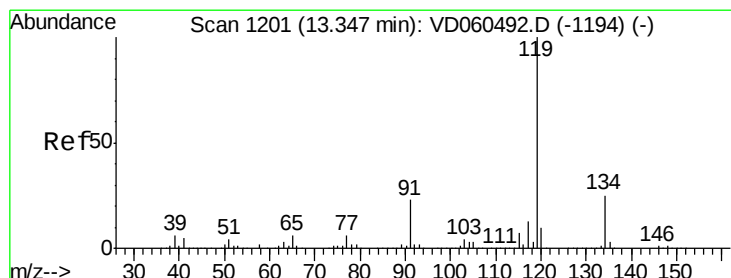
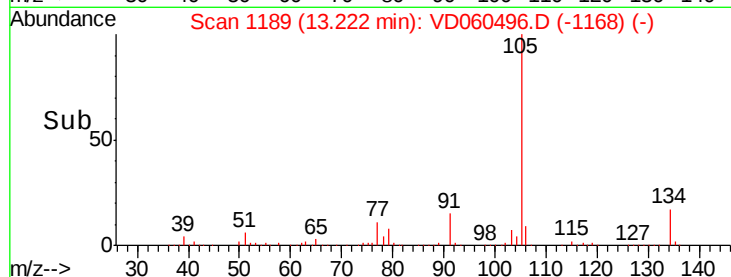
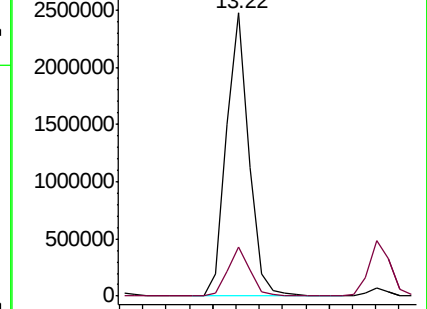
105 100

134 17.2 7.9 23.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 47.529 ug/l

RT: 13.34 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

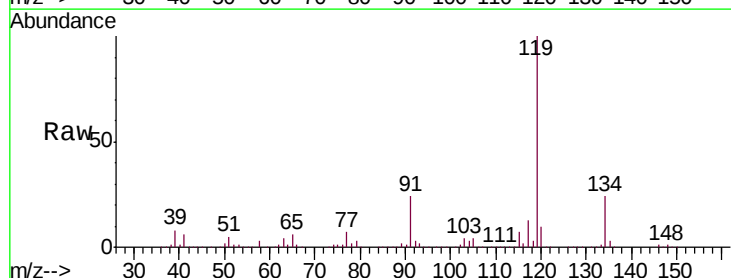
Tgt Ion:119 Resp: 2596675

Ion Ratio Lower Upper

119 100

134 23.6 12.5 37.5

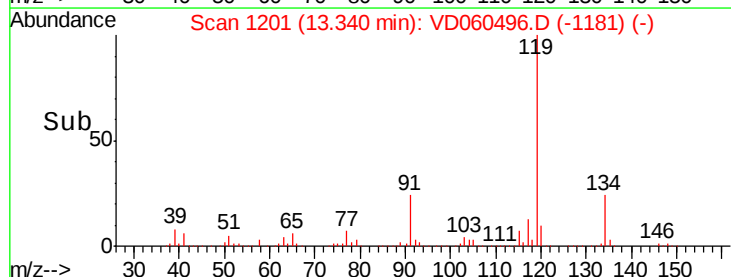
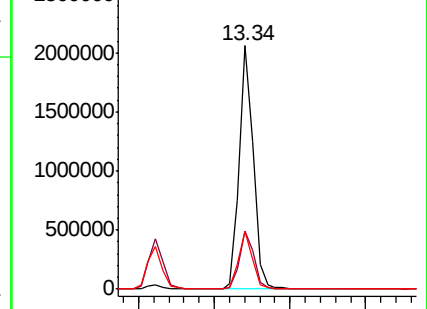
91 24.0 11.5 34.4

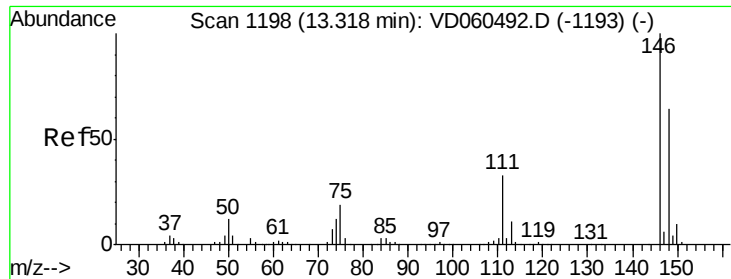


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

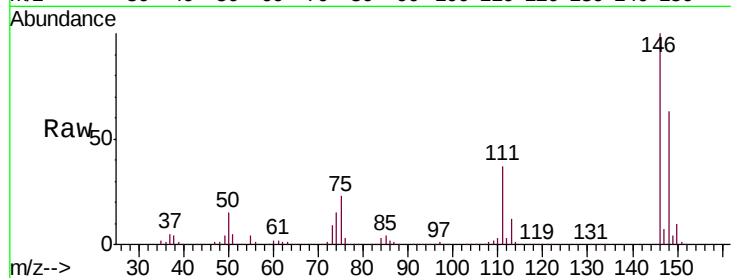




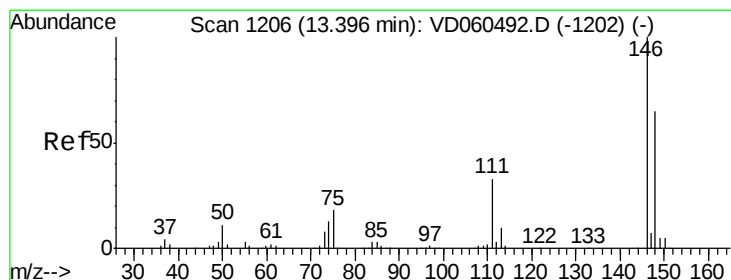
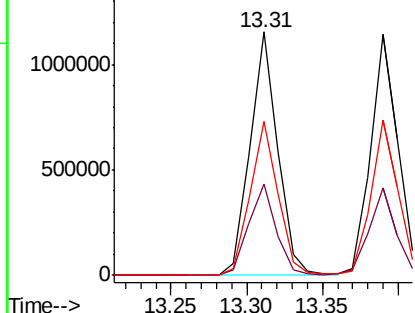
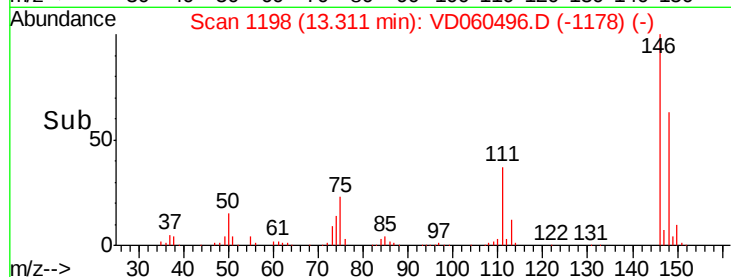
#87
 1,3-Dichlorobenzene
 Concen: 47.993 ug/l
 RT: 13.31 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: VD060496.D
 Acq: 5 Dec 2018 17:26

Instrument :
 MSVOA_D
 ClientSampled :
 ICVVD120518

Tgt Ion:146 Resp: 1474188
 Ion Ratio Lower Upper
 146 100
 111 37.4 16.5 49.5
 148 63.4 32.3 96.8

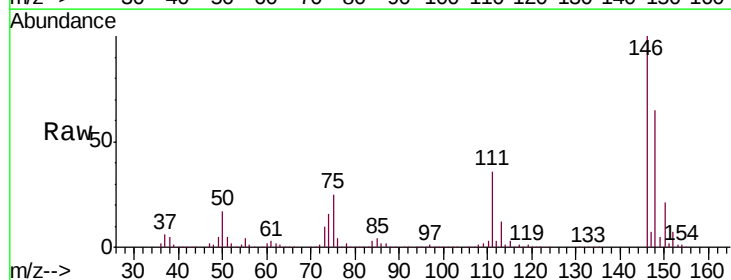


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

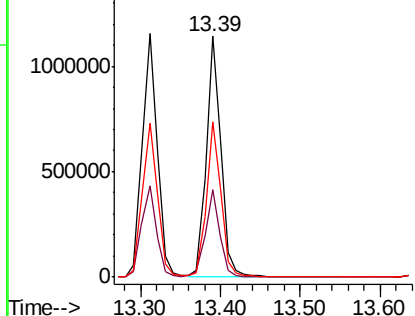
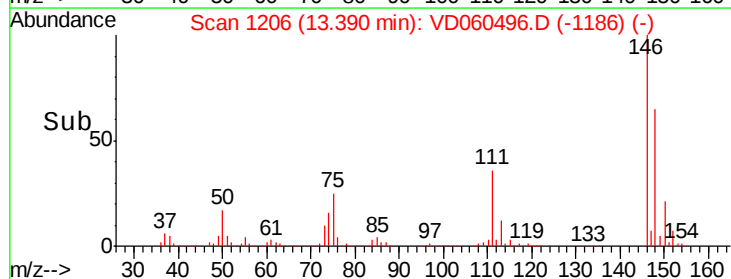


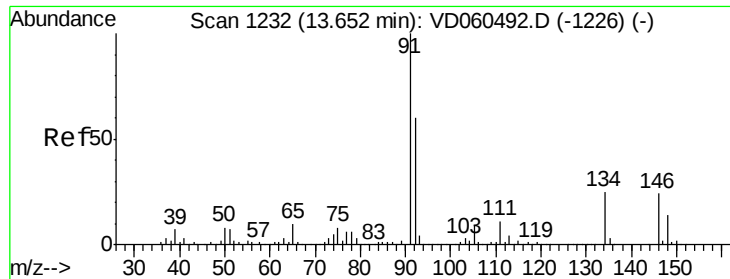
#88
 1,4-Dichlorobenzene
 Concen: 48.408 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: VD060496.D
 Acq: 5 Dec 2018 17:26

Tgt Ion:146 Resp: 1458704
 Ion Ratio Lower Upper
 146 100
 111 36.3 16.4 49.1
 148 64.6 32.6 98.0



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

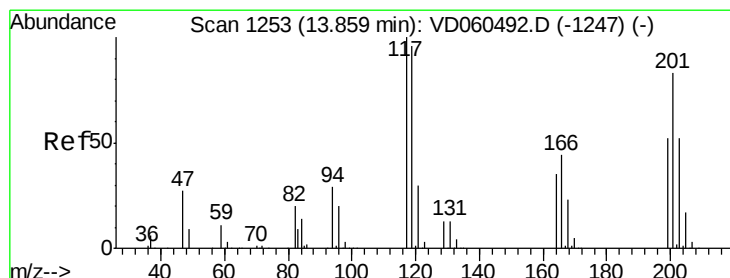
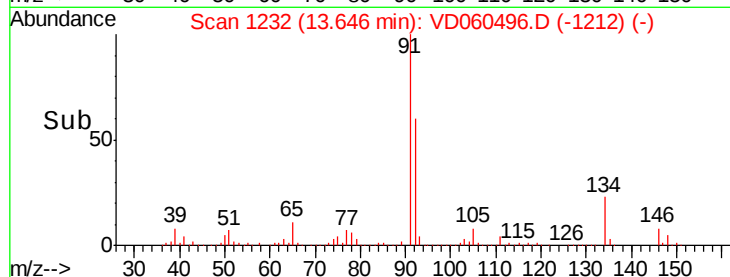
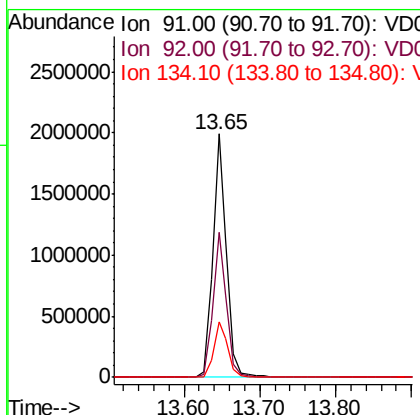
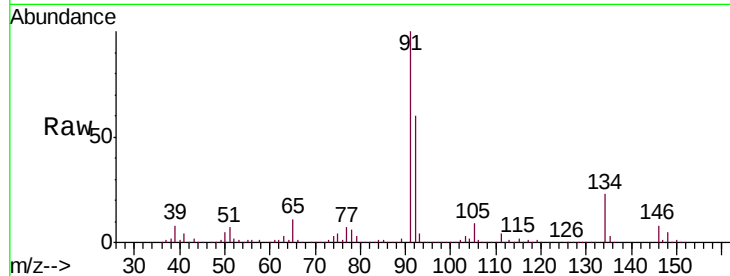




#89
n-Butylbenzene
Concen: 45.618 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

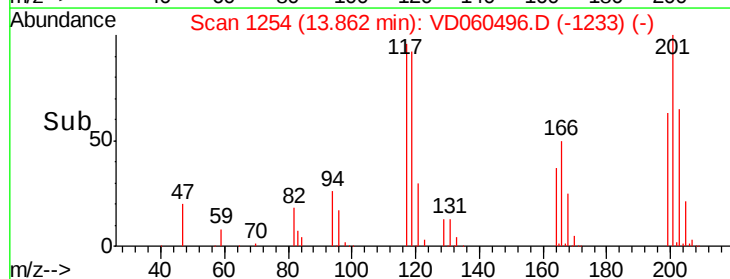
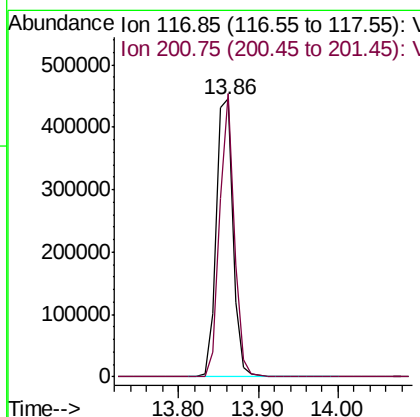
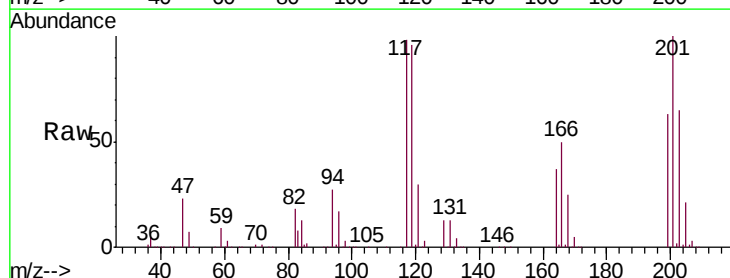
Instrument :
MSVOA_D
ClientSampleId :
ICVVD120518

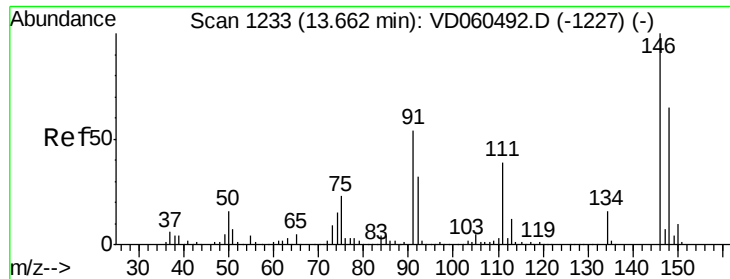
Tgt Ion: 91 Resp: 2512301
Ion Ratio Lower Upper
91 100
92 59.8 30.0 90.1
134 22.8 12.5 37.5



#90
Hexachloroethane
Concen: 48.827 ug/l
RT: 13.86 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Tgt Ion: 117 Resp: 668832
Ion Ratio Lower Upper
117 100
201 101.9 41.3 123.9





#91

1,2-Dichlorobenzene

Concen: 47.406 ug/l

RT: 13.67 min Scan# 1234

Delta R.T. 0.00 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

Instrument :

MSVOA_D

ClientSampleId :

ICVVD120518

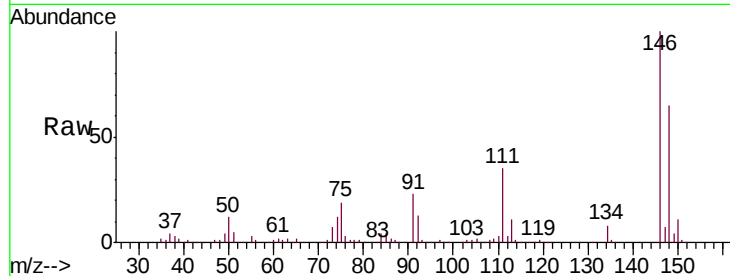
Tgt Ion:146 Resp: 1189995

Ion Ratio Lower Upper

146 100

111 35.0 19.3 57.8

148 64.6 32.3 96.8

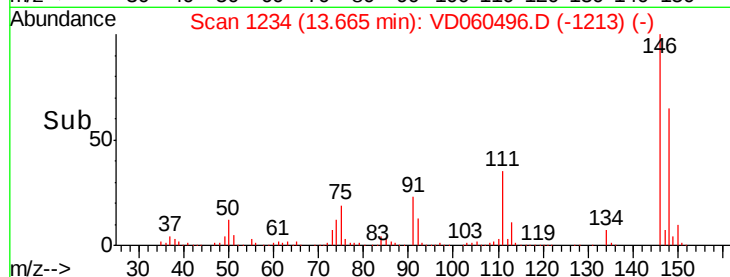


Abundance Ion 145.95 (145.65 to 146.65): V

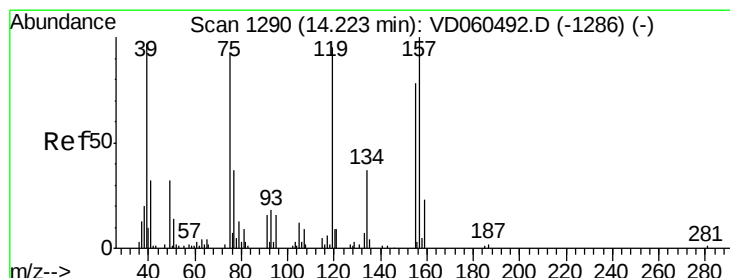
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

Time-->



Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 55.029 ug/l

RT: 14.23 min Scan# 1291

Delta R.T. 0.00 min

Lab File: VD060496.D

Acq: 5 Dec 2018 17:26

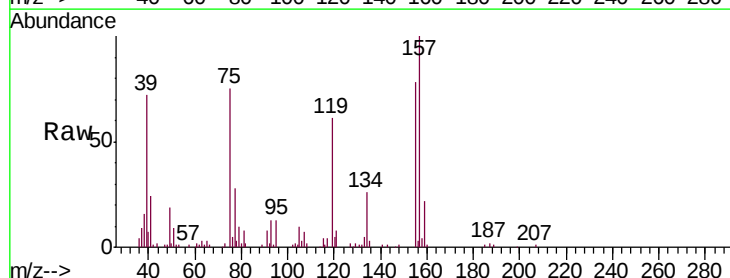
Tgt Ion: 75 Resp: 68895

Ion Ratio Lower Upper

75 100

155 104.7 41.6 124.9

157 133.5 53.6 160.8

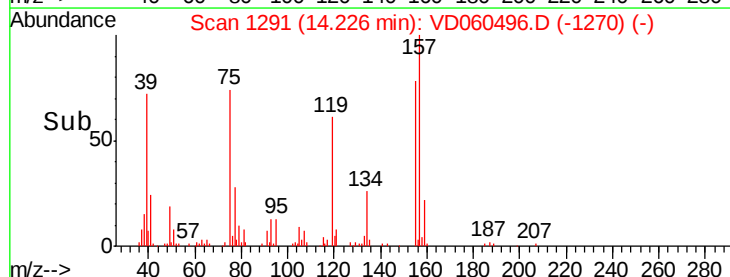


Abundance Ion 75.00 (74.70 to 75.70): V

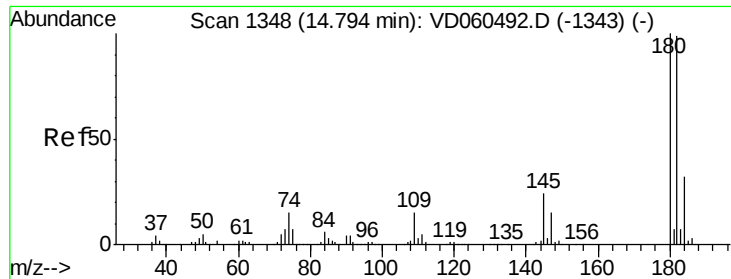
Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

Time-->



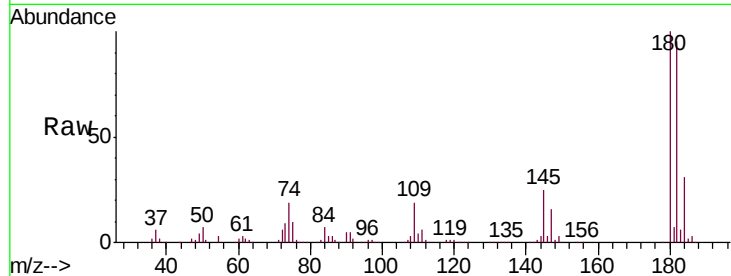
Time-->



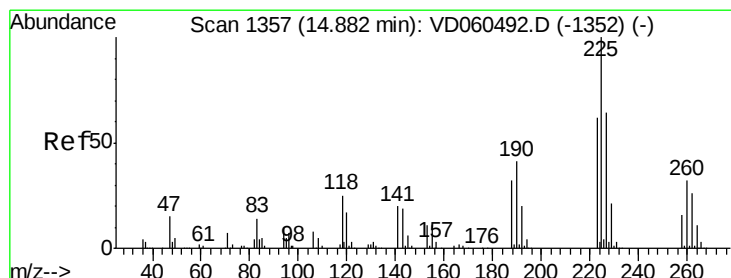
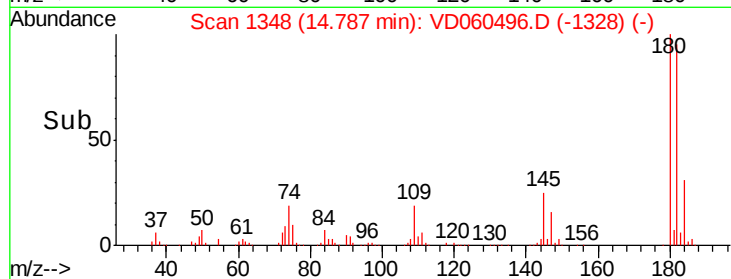
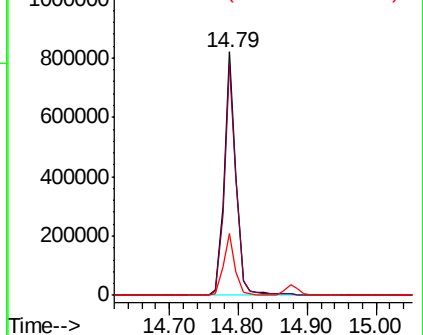
#93
 1,2,4-Trichlorobenzene
 Concen: 49.862 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: VD060496.D
 Acq: 5 Dec 2018 17:26

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD120518

Tgt Ion:180 Resp: 978457
 Ion Ratio Lower Upper
 180 100
 182 95.3 49.4 148.0
 145 25.4 11.9 35.9

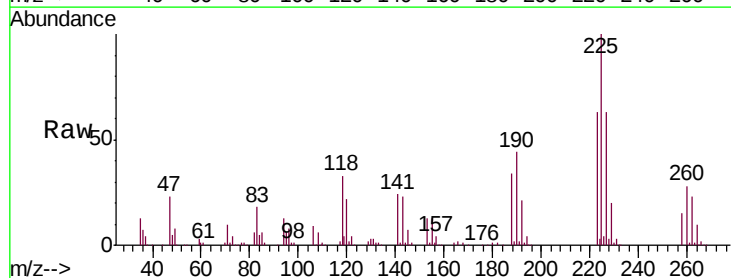


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

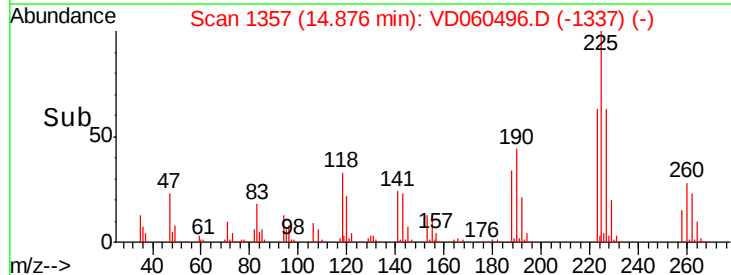
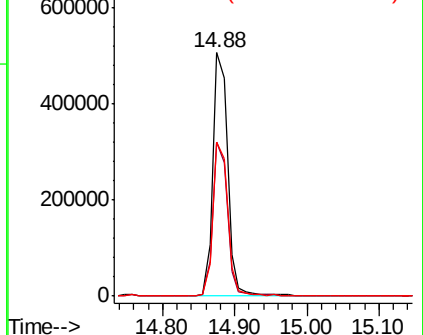


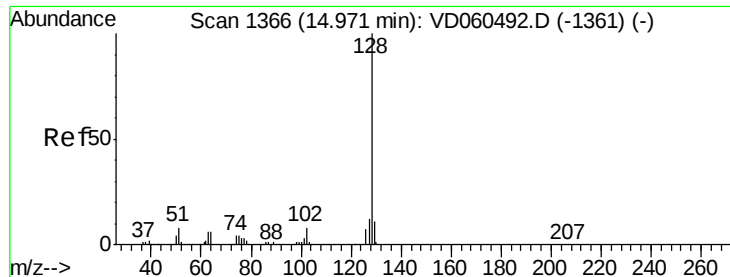
#94
 Hexachlorobutadiene
 Concen: 49.830 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. -0.01 min
 Lab File: VD060496.D
 Acq: 5 Dec 2018 17:26

Tgt Ion:225 Resp: 721450
 Ion Ratio Lower Upper
 225 100
 223 63.3 31.2 93.6
 227 63.0 32.0 96.0



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

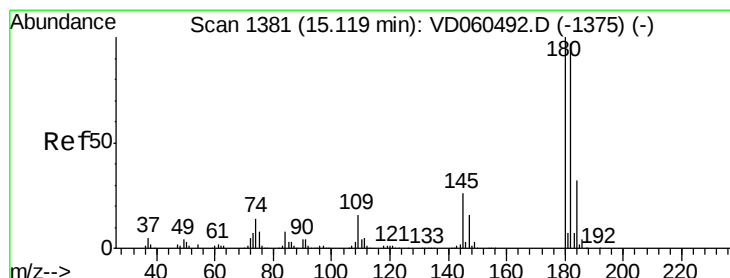
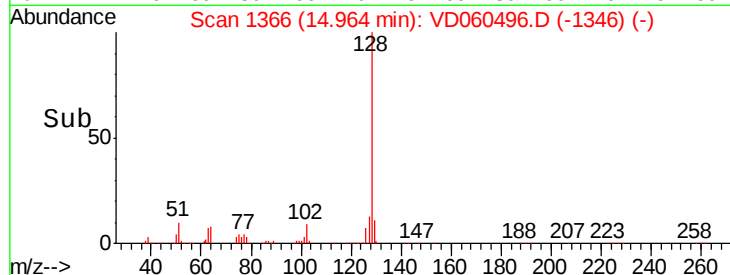
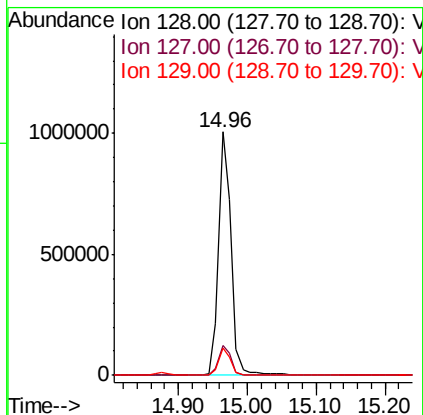
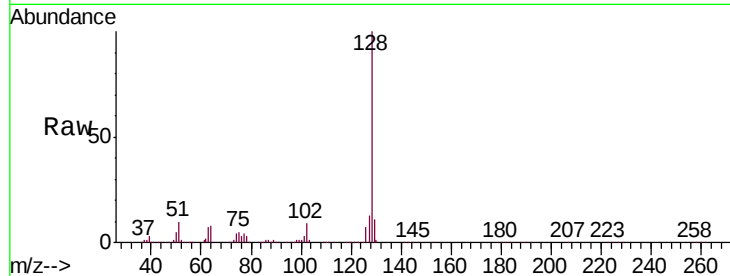




#95
Naphthalene
Concen: 54.589 ug/l
RT: 14.96 min Scan# 1366
Delta R.T. -0.01 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Instrument :
MSVOA_D
ClientSampleId :
ICVVD120518

Tgt Ion:128 Resp: 1274378
Ion Ratio Lower Upper
128 100
127 12.5 9.8 14.8
129 11.2 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 51.943 ug/l
RT: 15.11 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VD060496.D
Acq: 5 Dec 2018 17:26

Tgt Ion:180 Resp: 812168
Ion Ratio Lower Upper
180 100
182 96.0 48.5 145.5
145 27.2 12.9 38.7

