

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080618\
 Data File : VD059694.D
 Acq On : 6 Aug 2018 15:32
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 07 04:02:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 03:58:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	214051	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.67	114	270100	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.68	117	215260	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	116688	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.00	65	53237	18.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.94%	
35) Dibromofluoromethane	5.52	113	46091	18.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.98%	
50) Toluene-d8	8.69	98	97598	17.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.98%	
62) 4-Bromofluorobenzene	11.92	95	44957	17.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.32	85	52467	17.595	ug/l	98
3) Chloromethane	1.47	50	23642	18.091	ug/l #	87
4) Vinyl Chloride	1.54	62	27503	17.655	ug/l #	86
5) Bromomethane	1.77	94	6976	12.797	ug/l	99
6) Chloroethane	1.86	64	9618	15.443	ug/l	93
7) Trichlorofluoromethane	2.06	101	42898	17.024	ug/l	98
8) Diethyl Ether	2.33	74	8662	18.423	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.53	101	26956	18.529	ug/l	100
10) Methyl Iodide	2.67	142	25623	15.436	ug/l	92
11) Tert butyl alcohol	3.24	59	10424	105.770	ug/l #	76
12) 1,1-Dichloroethene	2.51	96	19450	18.083	ug/l	99
13) Acrolein	2.46	56	9374	99.637	ug/l	99
14) Allyl chloride	2.90	41	43718	17.893	ug/l	98
15) Acrylonitrile	3.34	53	27195	95.988	ug/l #	85
16) Acetone	2.59	43	45397	87.195	ug/l	97
17) Carbon Disulfide	2.73	76	64321	16.906	ug/l	95
18) Methyl Acetate	2.91	43	17842	19.146	ug/l #	88
19) Methyl tert-butyl Ether	3.38	73	83919	20.278	ug/l	99
20) Methylene Chloride	3.05	84	40865	21.059	ug/l	94
21) trans-1,2-Dichloroethene	3.37	96	25336	17.367	ug/l	89
22) Diisopropyl ether	4.05	45	107411	19.255	ug/l	96
23) Vinyl Acetate	3.99	43	360926	103.666	ug/l #	95
24) 1,1-Dichloroethane	3.94	63	73226	19.491	ug/l	100
25) 2-Butanone	4.82	43	60275	90.798	ug/l	99
26) 2,2-Dichloropropane	4.77	77	72740	17.830	ug/l	96
27) cis-1,2-Dichloroethene	4.78	96	37902	19.216	ug/l	91
28) Bromochloromethane	5.12	49	29000	20.825	ug/l	96
29) Tetrahydrofuran	5.16	42	24780	95.406	ug/l	97
30) Chloroform	5.30	83	87539	19.303	ug/l	98
31) Cyclohexane	5.56	56	49455	18.083	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	83141	18.705	ug/l	96
36) 1,1-Dichloropropene	5.72	75	54791	18.146	ug/l	94
37) Ethyl Acetate	4.91	43	27523	19.379	ug/l	98
38) Carbon Tetrachloride	5.70	117	72579	17.747	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.27	83	46457	18.588	ug/l	95
40) Benzene	5.99	78	110995	19.072	ug/l	96
41) Methacrylonitrile	5.10	41	12869	18.702	ug/l	92
42) 1,2-Dichloroethane	6.11	62	67243	18.764	ug/l	98
43) Isopropyl Acetate	7.60	43	35935	19.098	ug/l	93
44) Trichloroethene	6.96	130	42604	20.062	ug/l	91
45) 1,2-Dichloropropane	7.33	63	28714	19.098	ug/l	97
46) Dibromomethane	7.44	93	26015	19.660	ug/l	91
47) Bromodichloromethane	7.73	83	64348	18.966	ug/l	98
48) Methyl methacrylate	7.49	41	23324	18.710	ug/l	95
49) 1,4-Dioxane	7.48	88	3915	403.787	ug/l #	92
51) 4-Methyl-2-Pentanone	8.58	43	123082	89.833	ug/l	98
52) Toluene	8.78	92	70048	19.106	ug/l	94
53) t-1,3-Dichloropropene	9.17	75	54275	18.888	ug/l	93
54) cis-1,3-Dichloropropene	8.34	75	56011	19.314	ug/l	97
55) 1,1,2-Trichloroethane	9.44	97	26799	19.062	ug/l	96
56) Ethyl methacrylate	9.30	69	31312	19.694	ug/l	88
57) 1,3-Dichloropropane	9.65	76	41669	18.430	ug/l	94
58) 2-Chloroethyl Vinyl ether	8.17	63	79216	105.563	ug/l	98
59) 2-Hexanone	9.77	43	93828	90.482	ug/l	92
60) Dibromochloromethane	9.94	129	43983	19.233	ug/l	89
61) 1,2-Dibromoethane	10.08	107	30821	18.608	ug/l	93
64) Tetrachloroethene	9.50	164	37995	18.961	ug/l	95
65) Chlorobenzene	10.71	112	84514	19.343	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.84	131	38872	19.792	ug/l	97
67) Ethyl Benzene	10.85	91	159058	19.693	ug/l	97
68) m/p-Xylenes	11.00	106	98764	38.537	ug/l	87
69) o-Xylene	11.40	106	49049	19.519	ug/l	94
70) Styrene	11.42	104	82827	19.922	ug/l	97
71) Bromoform	11.59	173	28636	19.285	ug/l	95
73) Isopropylbenzene	11.76	105	154256	19.514	ug/l	98
74) N-amyl acetate	11.63	43	47370	19.163	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.07	83	31124	20.244	ug/l	92
76) 1,2,3-Trichloropropane	12.11	75	33211	18.332	ug/l	95
77) Bromobenzene	12.03	156	42672	18.817	ug/l	96
78) n-propylbenzene	12.15	91	184517	18.872	ug/l	100
79) 2-Chlorotoluene	12.20	91	114466	19.434	ug/l	98
80) 1,3,5-Trimethylbenzene	12.31	105	122124	18.796	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.83	75	8042	17.785	ug/l	89
82) 4-Chlorotoluene	12.31	91	132955	19.310	ug/l	99
83) tert-Butylbenzene	12.57	119	143063	19.488	ug/l	95
84) 1,2,4-Trimethylbenzene	12.62	105	125946	18.288	ug/l	96
85) sec-Butylbenzene	12.75	105	153971	19.005	ug/l	100
86) p-Isopropyltoluene	12.87	119	130683	18.621	ug/l	98
87) 1,3-Dichlorobenzene	12.83	146	74140	18.665	ug/l	98
88) 1,4-Dichlorobenzene	12.92	146	75144	18.840	ug/l	98
89) n-Butylbenzene	13.19	91	137263	19.829	ug/l	98
90) Hexachloroethane	13.39	117	33675	18.378	ug/l	99
91) 1,2-Dichlorobenzene	13.19	146	66094	20.176	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.77	75	6360	18.874	ug/l	85

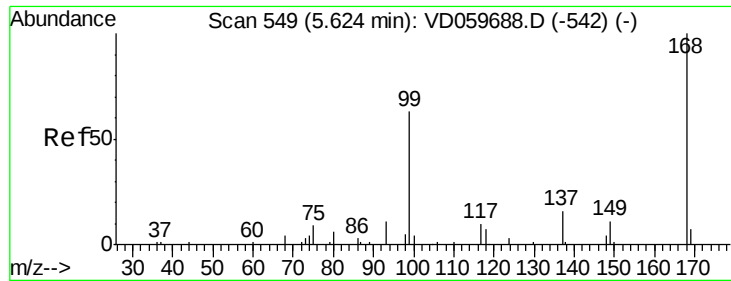
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	57978	19.701	ug/l	98
94) Hexachlorobutadiene	14.43	225	42674	18.582	ug/l	98
95) Naphthalene	14.51	128	85020	19.308	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	49458	18.809	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 549

Delta R.T. -0.00 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

Instrument :

MSVOA_D

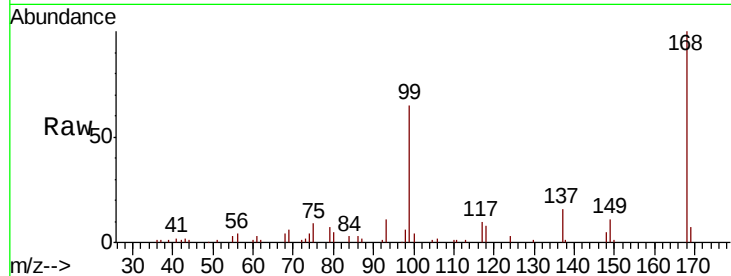
ClientSampled :

Tot Ion:168 Resp: 214051

Ion Ratio Lower Upper

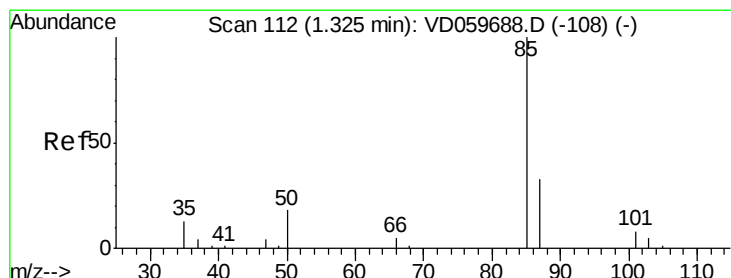
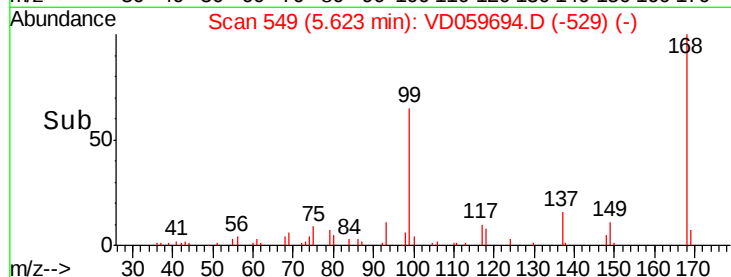
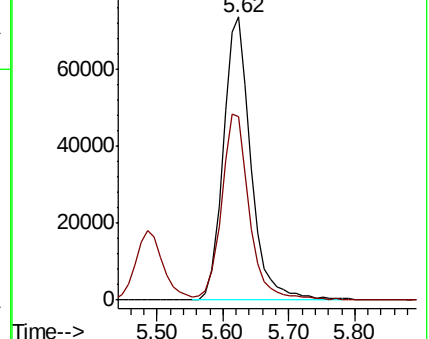
168 100

99 64.8 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 17.595 ug/l

RT: 1.32 min Scan# 112

Delta R.T. -0.00 min

Lab File: VD059694.D

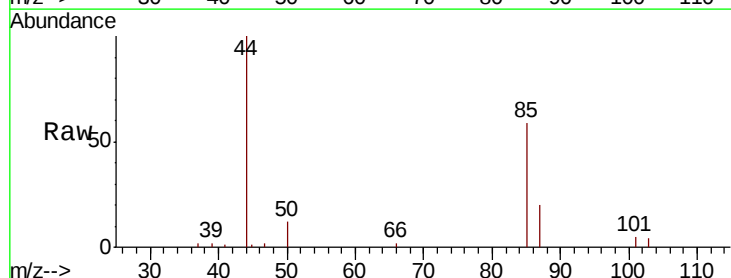
Acq: 6 Aug 2018 15:32

Tgt Ion: 85 Resp: 52467

Ion Ratio Lower Upper

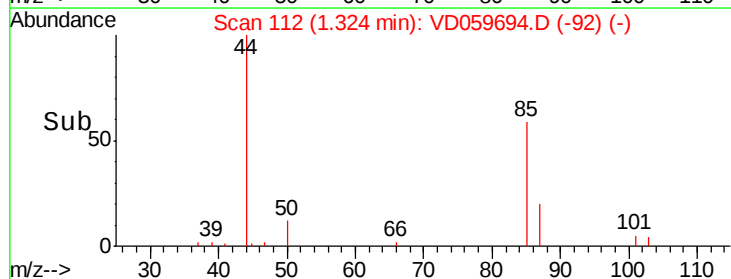
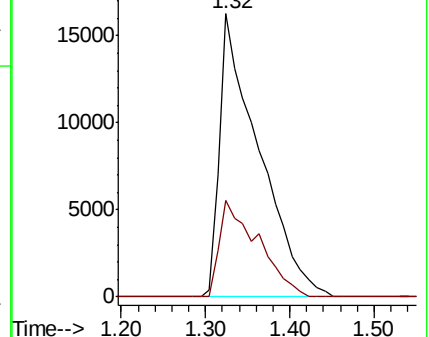
85 100

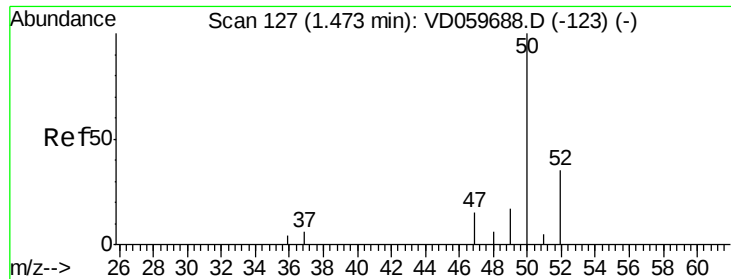
87 33.9 16.4 49.1



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 18.091 ug/l

RT: 1.47 min Scan# 127

Delta R.T. -0.00 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

Instrument :

MSVOA_D

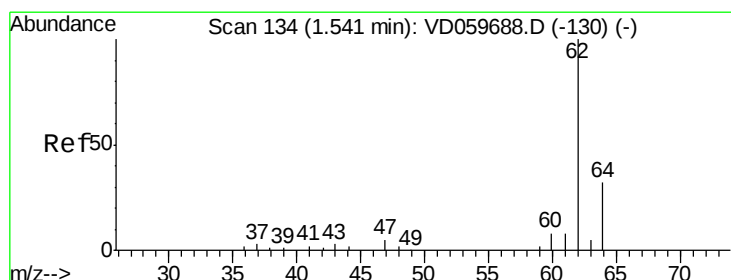
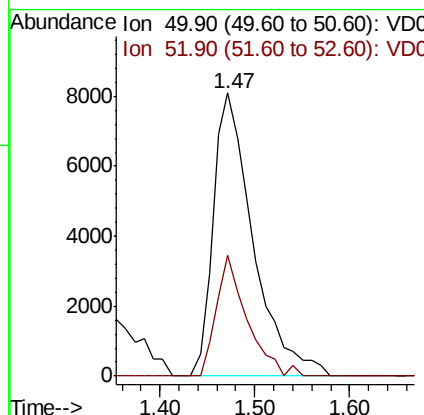
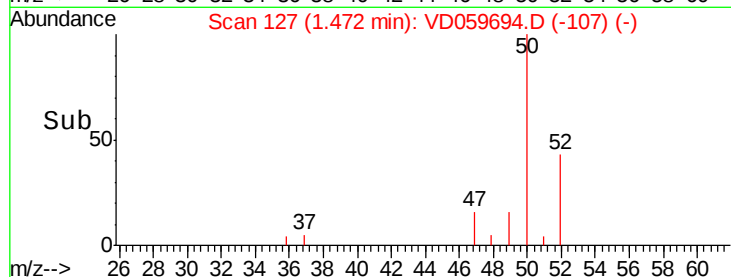
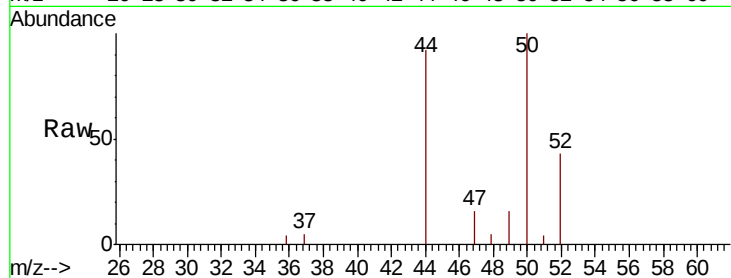
ClientSampleId :

Tot Ion: 50 Resp: 23642

Ion Ratio Lower Upper

50 100

52 42.9 28.2 42.4#



#4

Vinyl Chloride

Concen: 17.655 ug/l

RT: 1.54 min Scan# 134

Delta R.T. -0.00 min

Lab File: VD059694.D

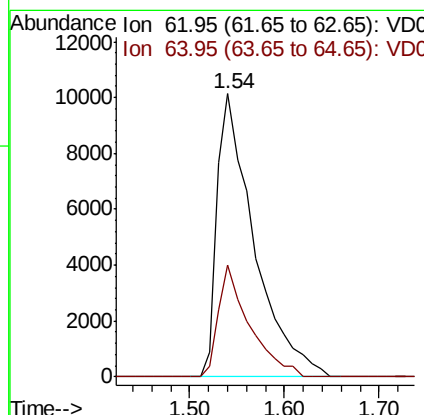
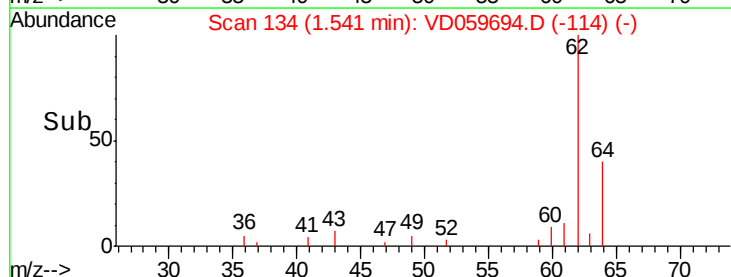
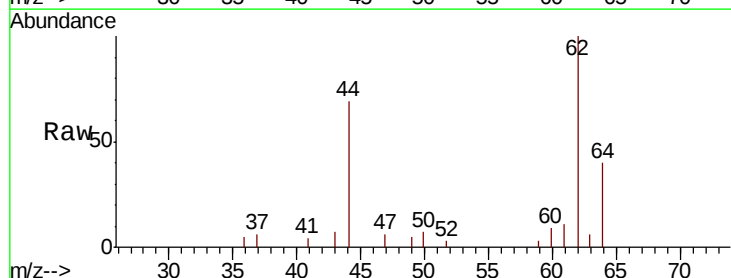
Acq: 6 Aug 2018 15:32

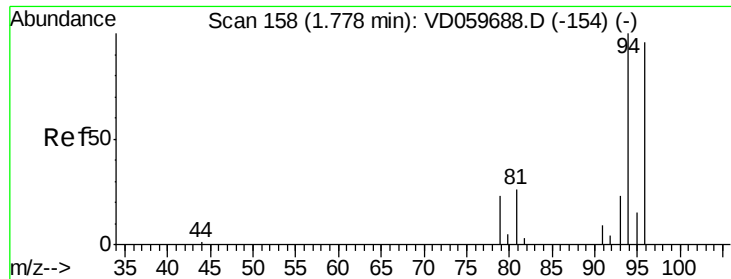
Tgt Ion: 62 Resp: 27503

Ion Ratio Lower Upper

62 100

64 39.6 25.4 38.0#

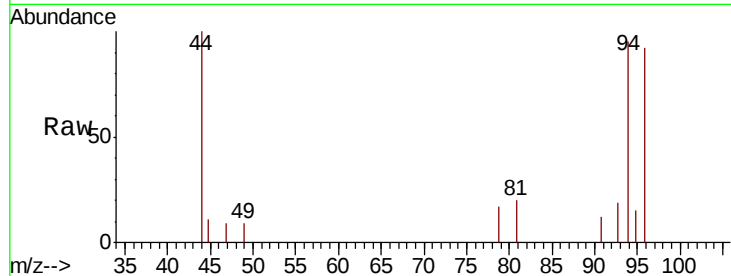




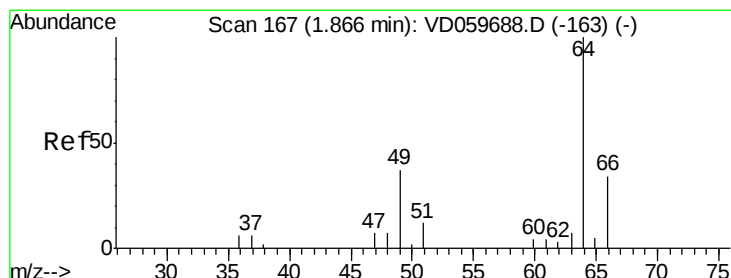
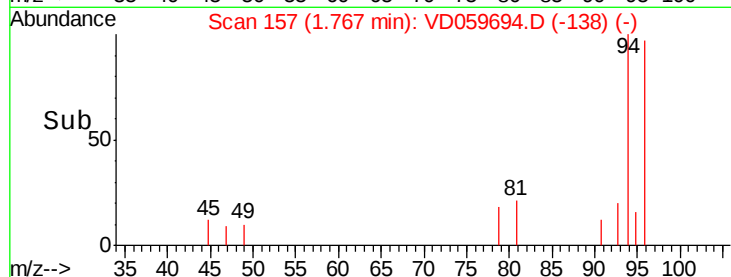
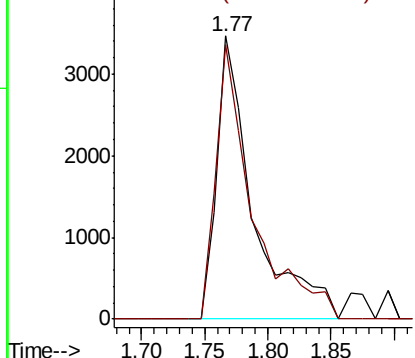
#5
Bromomethane
Concen: 12.797 ug/l
RT: 1.77 min Scan# 157
Delta R.T. -0.01 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 6976
Ion Ratio Lower Upper
94 100
96 97.1 76.6 114.8

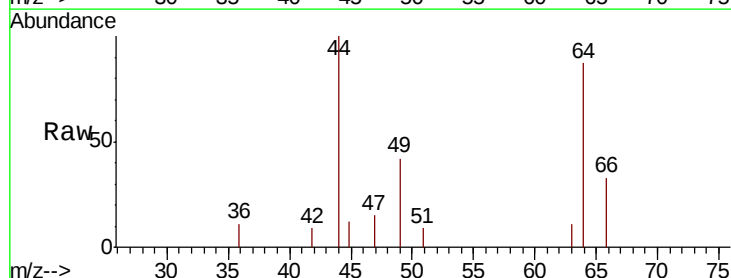


Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC

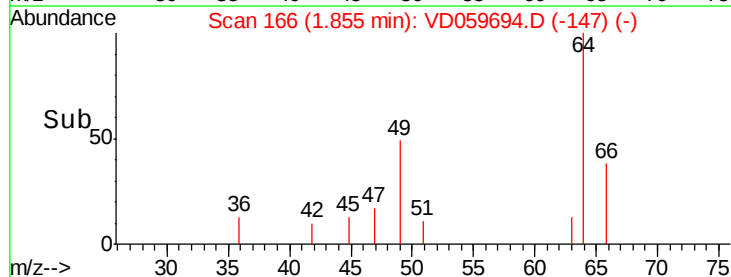
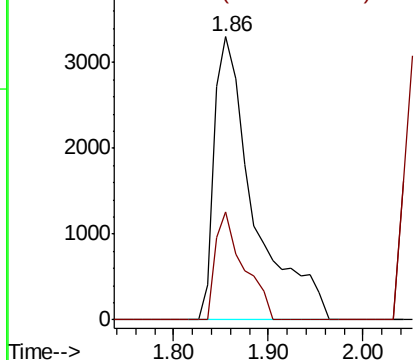


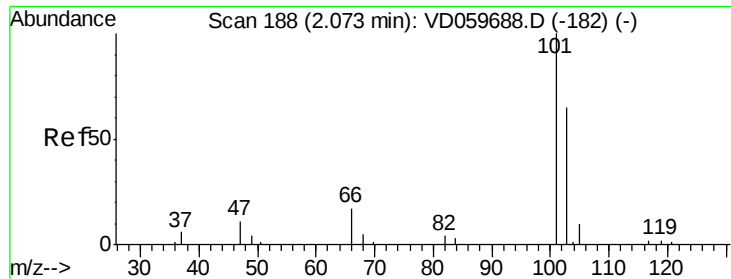
#6
Chloroethane
Concen: 15.443 ug/l
RT: 1.86 min Scan# 166
Delta R.T. -0.01 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

Tgt Ion: 64 Resp: 9618
Ion Ratio Lower Upper
64 100
66 38.1 27.2 40.8



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



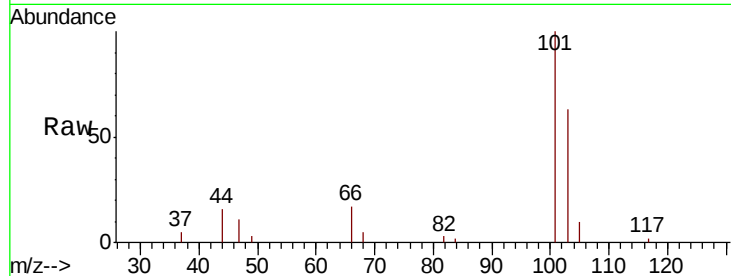


#7

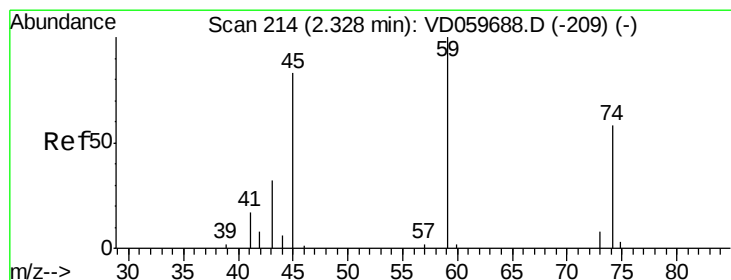
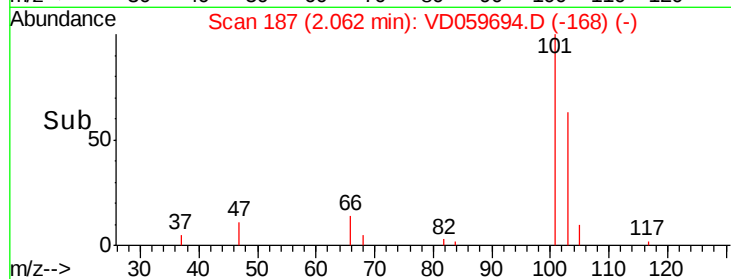
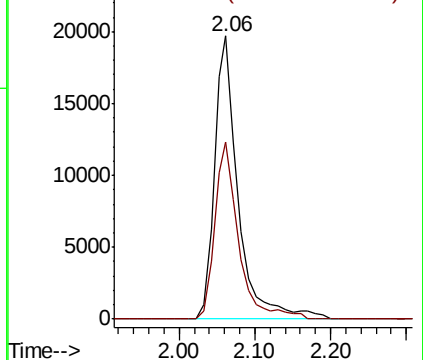
Trichlorofluoromethane
Concen: 17.024 ug/l
RT: 2.06 min Scan# 187
Delta R.T. -0.01 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 42898
Ion Ratio Lower Upper
101 100
103 62.7 51.7 77.5



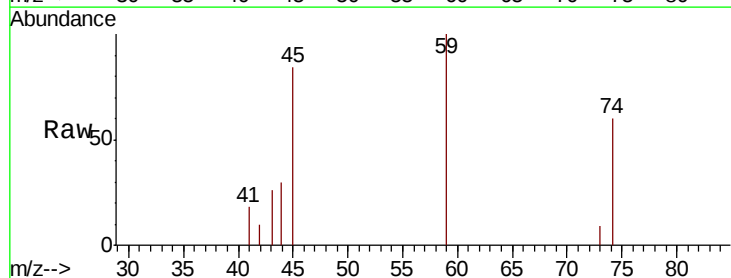
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



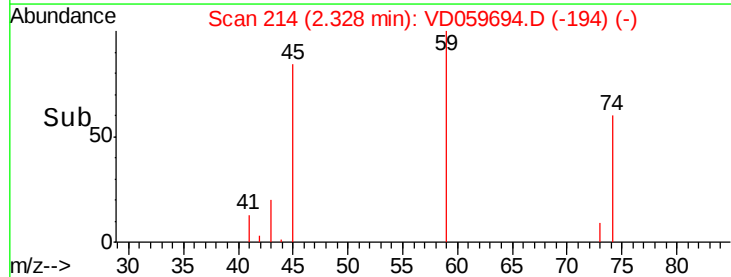
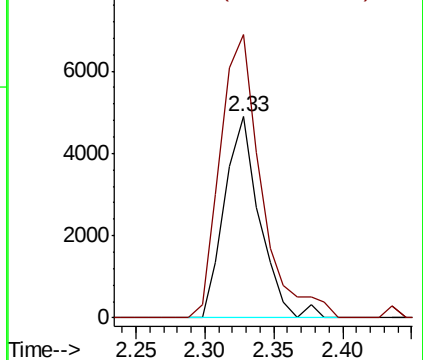
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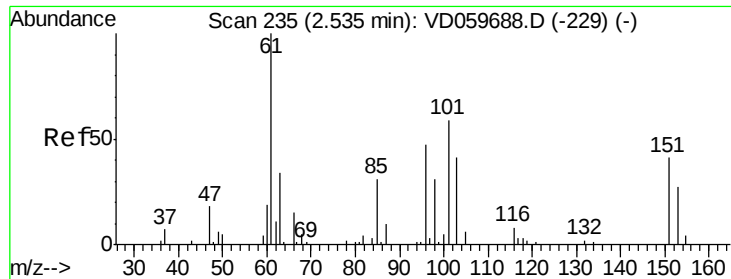
Diethyl Ether
Concen: 18.423 ug/l
RT: 2.33 min Scan# 214
Delta R.T. -0.00 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

Tgt Ion: 74 Resp: 8662
Ion Ratio Lower Upper
74 100
45 140.7 71.4 214.2



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

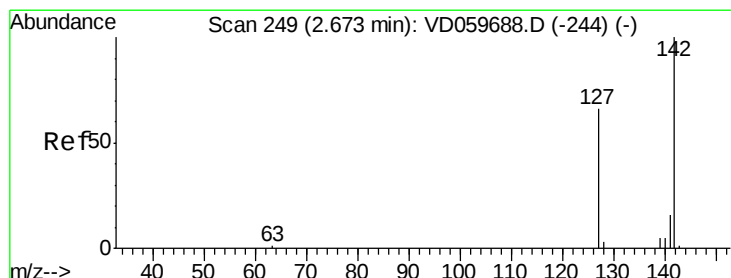
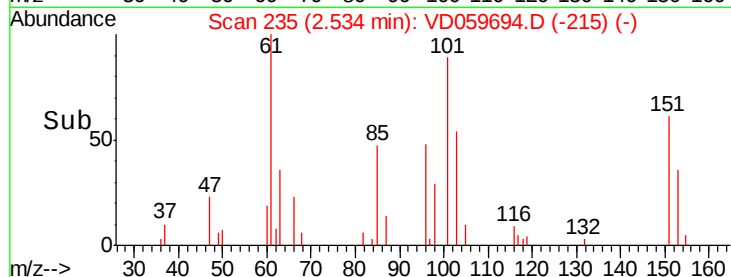
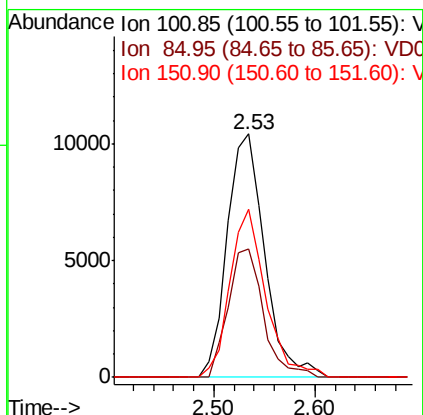
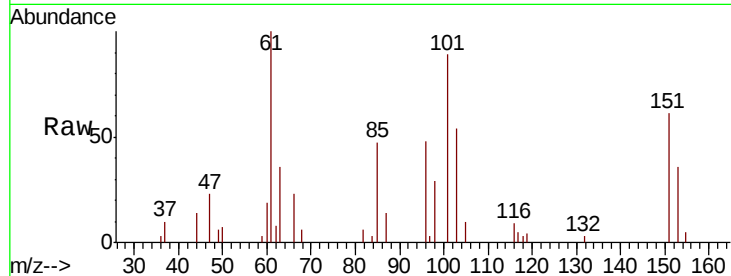




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.529 ug/l
 RT: 2.53 min Scan# 235
 Delta R.T. -0.00 min
 Lab File: VD059694.D
 Acq: 6 Aug 2018 15:32

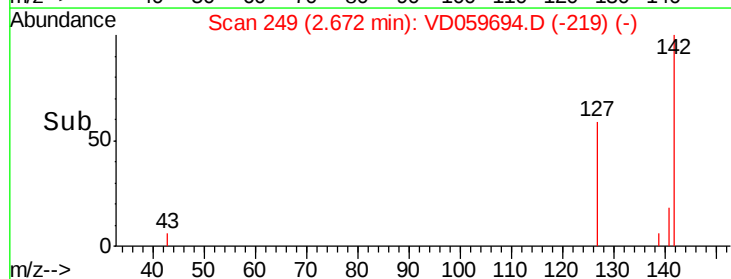
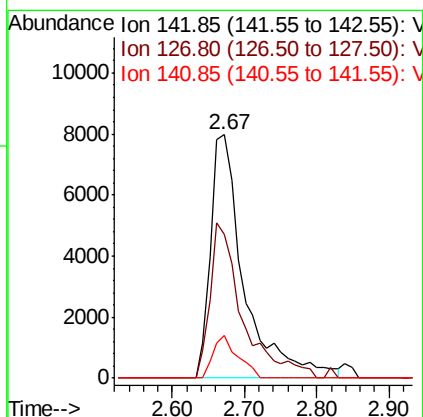
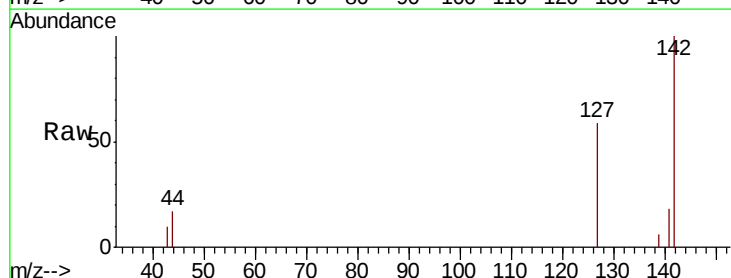
Instrument :
 MSVOA_D
 ClientSampleId :

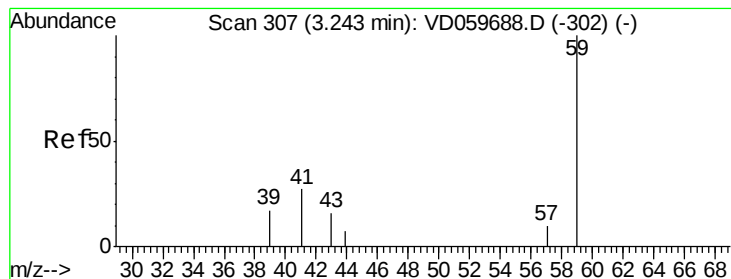
Tot Ion:101 Resp: 26956
 Ion Ratio Lower Upper
 101 100
 85 52.5 42.2 63.4
 151 68.9 55.2 82.8



#10
 Methyl Iodide
 Concen: 15.436 ug/l
 RT: 2.67 min Scan# 249
 Delta R.T. -0.00 min
 Lab File: VD059694.D
 Acq: 6 Aug 2018 15:32

Tgt Ion:142 Resp: 25623
 Ion Ratio Lower Upper
 142 100
 127 59.1 52.6 79.0
 141 17.8 12.5 18.7



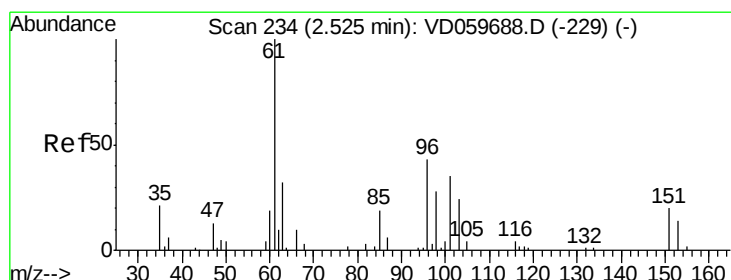
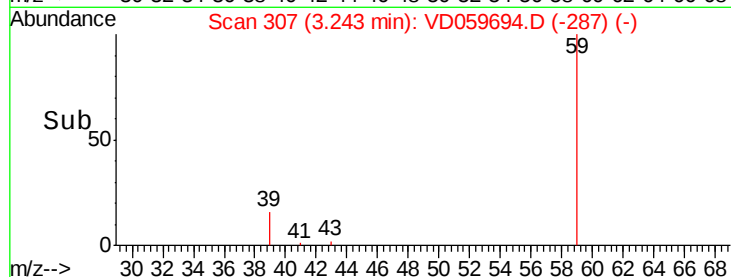
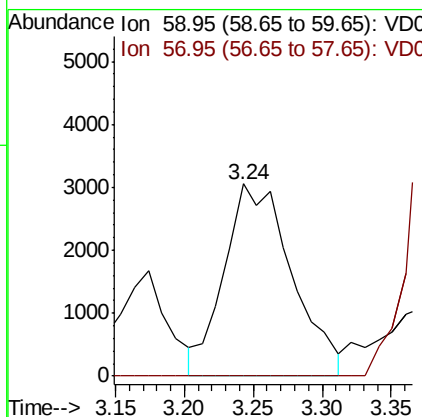
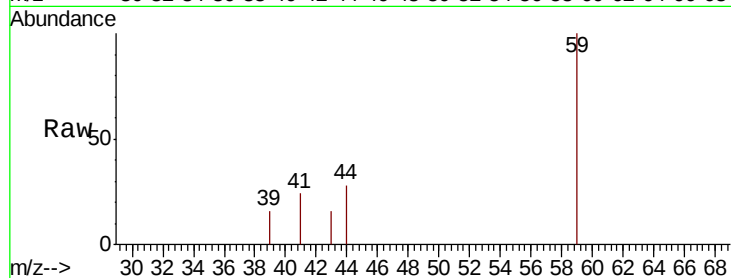


#11

Tert butyl alcohol
 Concen: 105.770 ug/l
 RT: 3.24 min Scan# 307
 Delta R.T. -0.00 min
 Lab File: VD059694.D
 Acq: 6 Aug 2018 15:32

Instrument :
 MSVOA_D
 ClientSampleId :

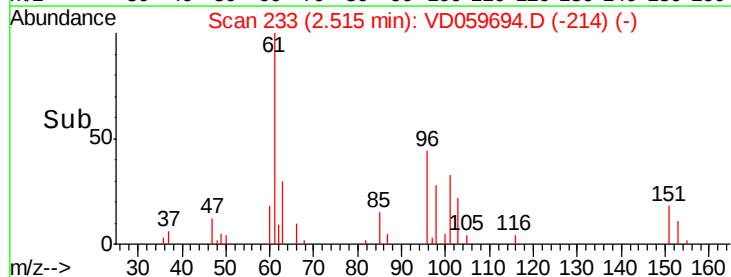
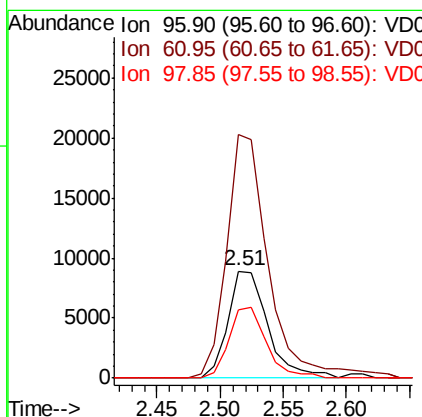
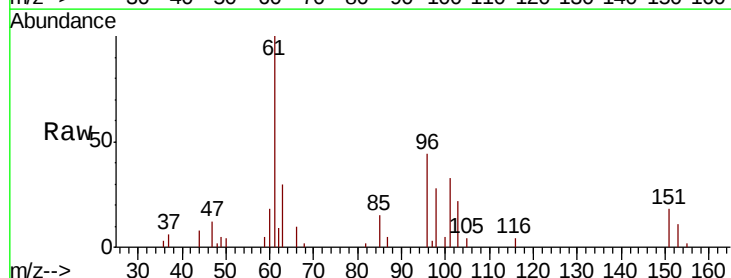
Tot Ion: 59 Resp: 10424
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.8 10.2#

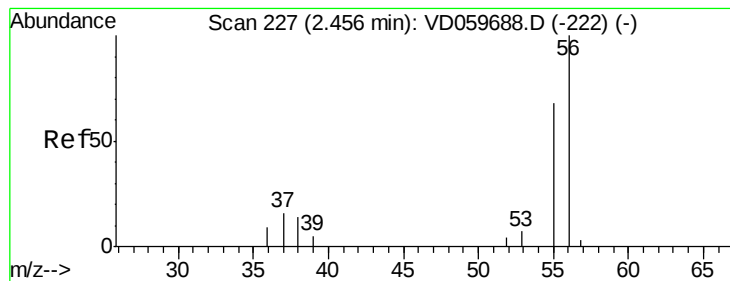


#12

1,1-Dichloroethene
 Concen: 18.083 ug/l
 RT: 2.51 min Scan# 233
 Delta R.T. -0.01 min
 Lab File: VD059694.D
 Acq: 6 Aug 2018 15:32

Tgt Ion: 96 Resp: 19450
 Ion Ratio Lower Upper
 96 100
 61 228.0 184.1 276.1
 98 63.7 52.4 78.6





#13

Acrolein

Concen: 99.637 ug/l

RT: 2.46 min Scan# 227

Delta R.T. -0.00 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

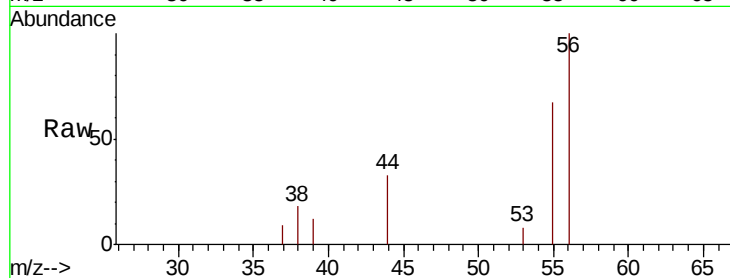
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 9374

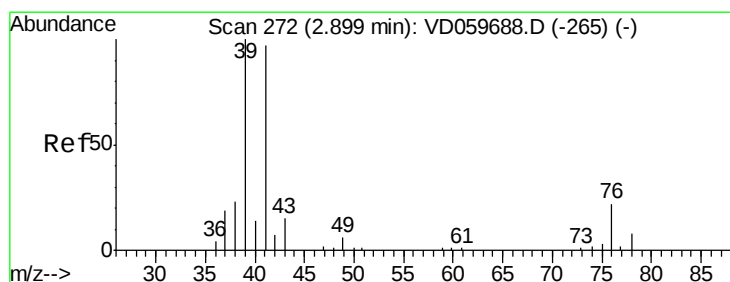
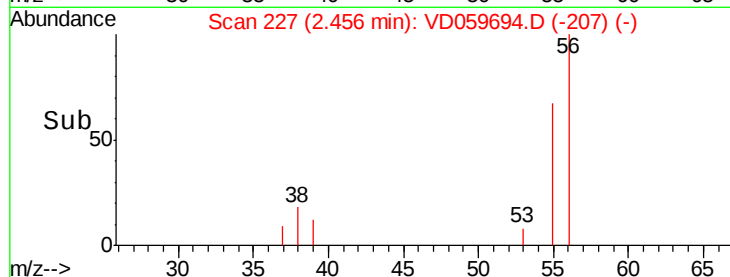
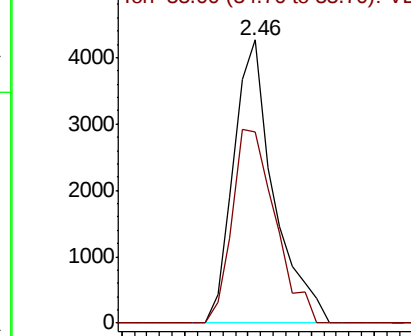
Ion Ratio Lower Upper

56 100

55 67.5 54.4 81.6



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 17.893 ug/l

RT: 2.90 min Scan# 272

Delta R.T. -0.00 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

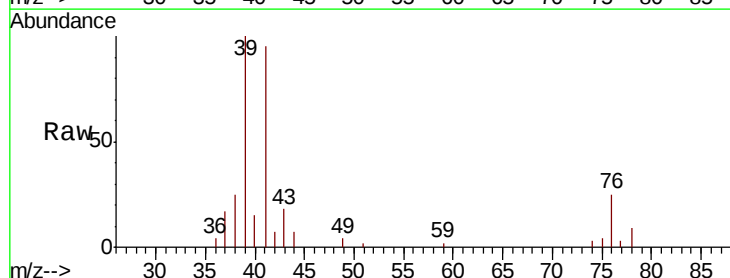
Tgt Ion: 41 Resp: 43718

Ion Ratio Lower Upper

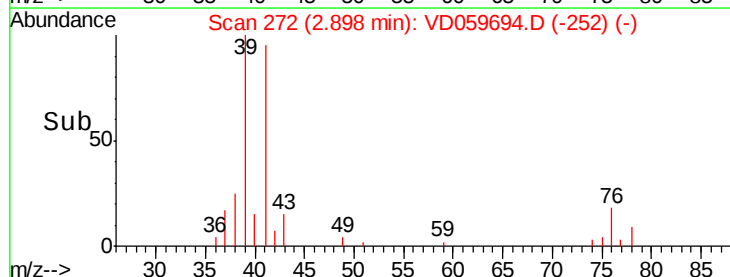
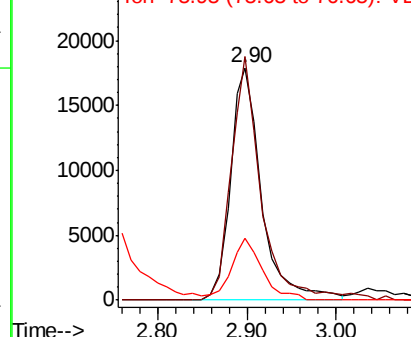
41 100

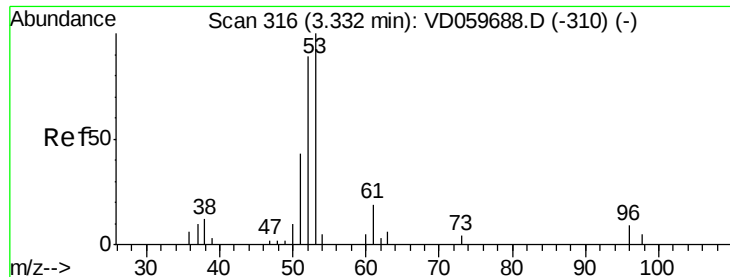
39 104.9 82.5 123.7

76 26.6 22.1 33.1



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: 95.988 ug/l

RT: 3.34 min Scan# 317

Delta R.T. 0.01 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

Instrument :

MSVOA_D

ClientSampleId :

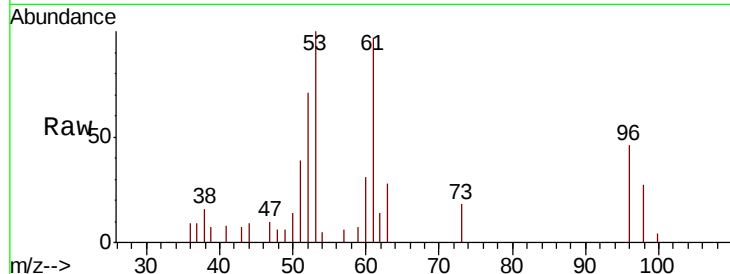
Tot Ion: 53 Resp: 27195

Ion Ratio Lower Upper

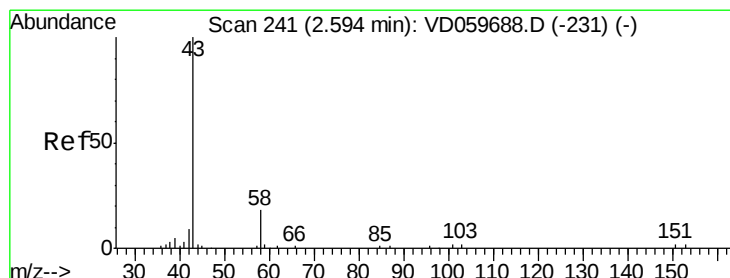
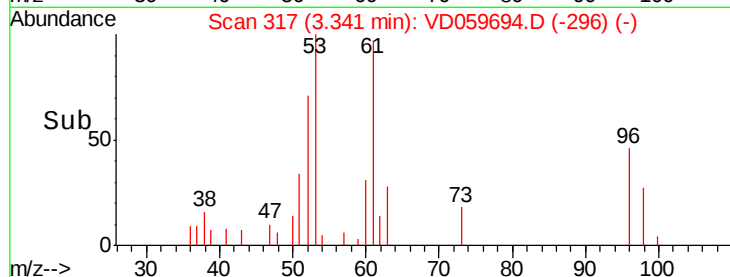
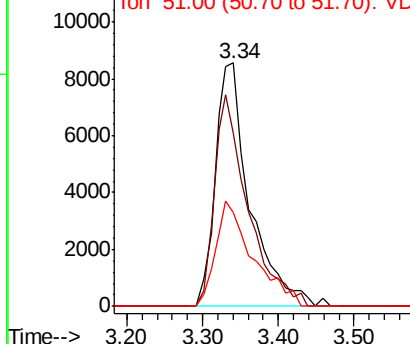
53 100

52 71.1 71.4 107.0#

51 38.8 34.2 51.4



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 87.195 ug/l

RT: 2.59 min Scan# 241

Delta R.T. -0.00 min

Lab File: VD059694.D

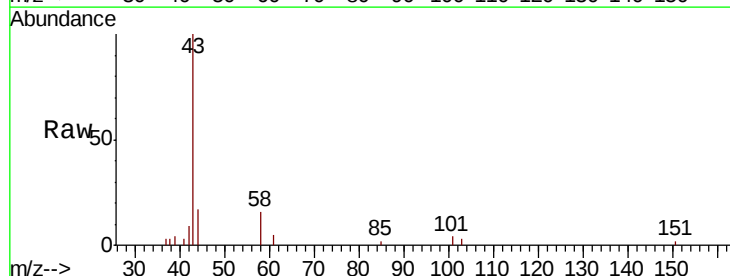
Acq: 6 Aug 2018 15:32

Tgt Ion: 43 Resp: 45397

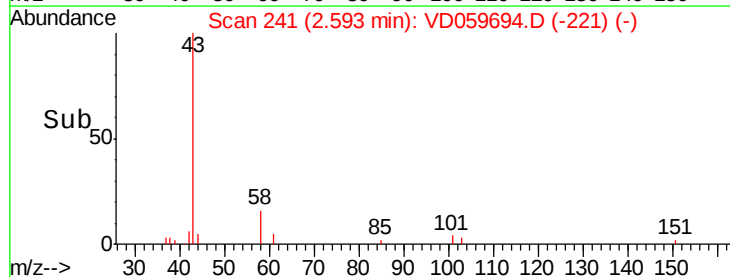
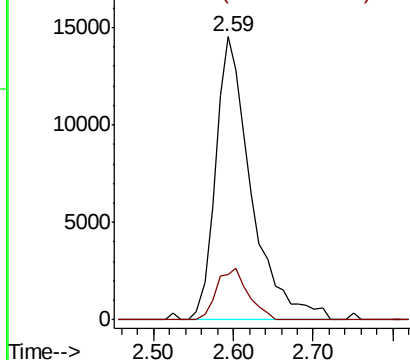
Ion Ratio Lower Upper

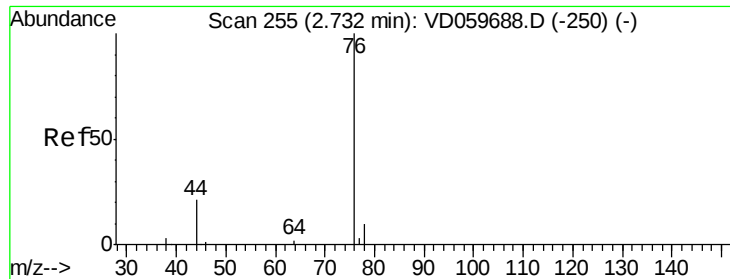
43 100

58 16.2 14.2 21.2



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

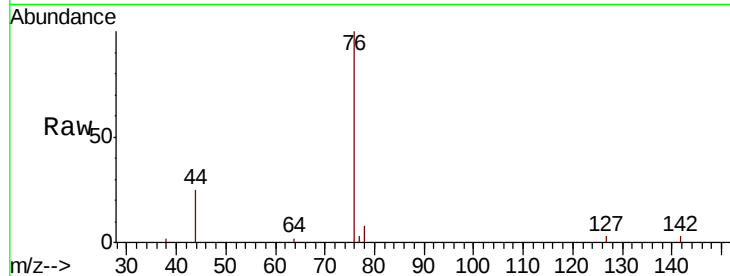




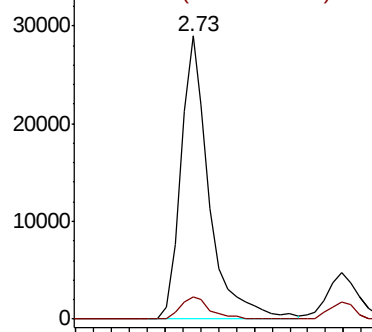
#17
Carbon Disulfide
Concen: 16.906 ug/l
RT: 2.73 min Scan# 255
Delta R.T. -0.00 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

Instrument :
MSVOA_D
ClientSampleId :

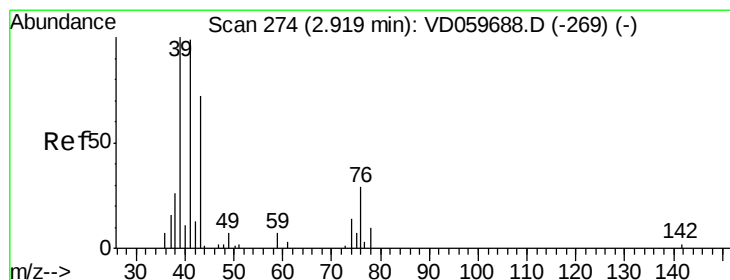
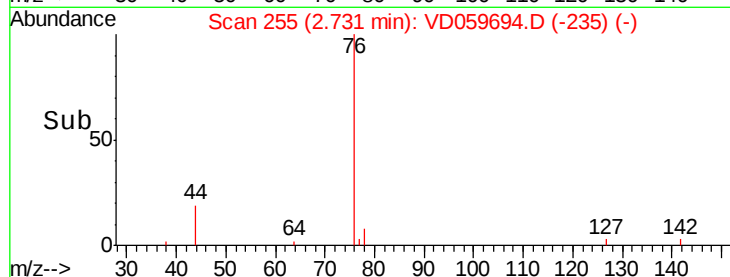
Tot Ion: 76 Resp: 64321
Ion Ratio Lower Upper
76 100
78 7.8 7.7 11.5



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

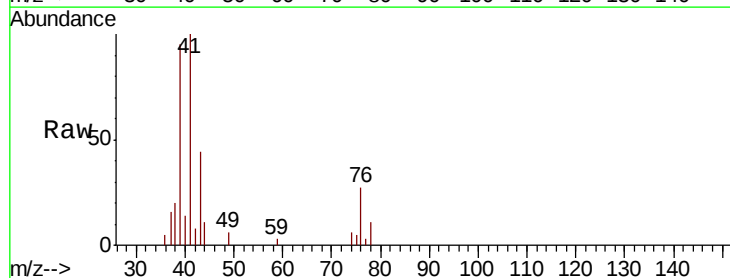


Time--> 2.60 2.70 2.80 2.90

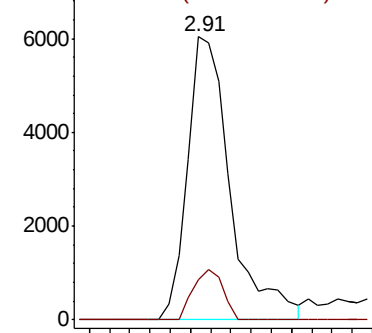


#18
Methyl Acetate
Concen: 19.146 ug/l
RT: 2.91 min Scan# 273
Delta R.T. -0.01 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

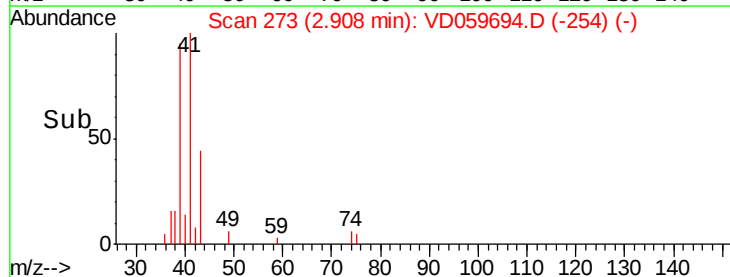
Tgt Ion: 43 Resp: 17842
Ion Ratio Lower Upper
43 100
74 14.2 15.7 23.5#

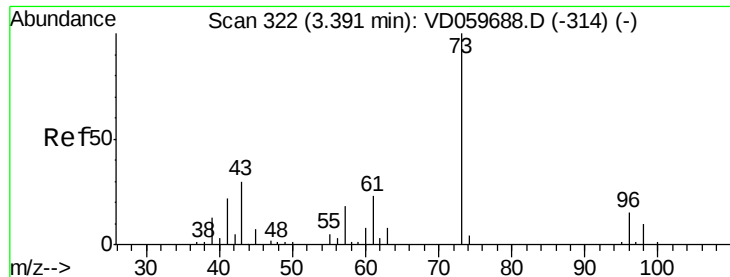


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC



Time--> 2.80 2.90 3.00

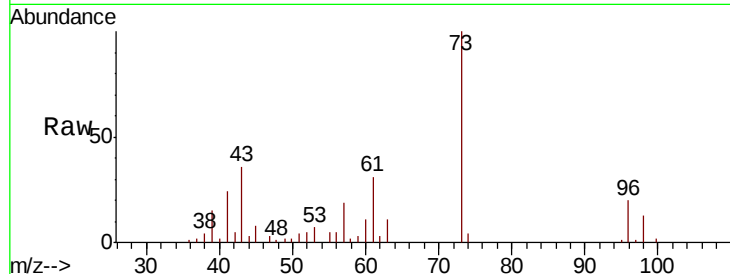




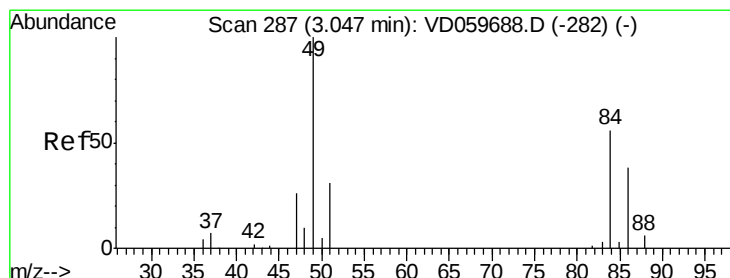
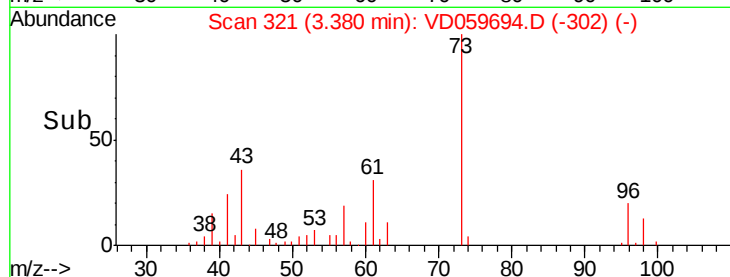
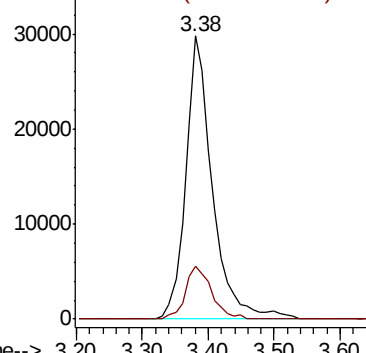
#19
Methvl tert-butvl Ether
Concen: 20.278 ug/l
RT: 3.38 min Scan# 321
Delta R.T. -0.01 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 73 Resp: 83919
Ion Ratio Lower Upper
73 100
57 18.5 14.3 21.5

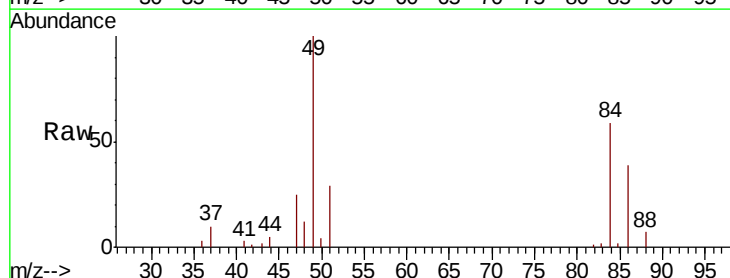


Abundance Ion 73.00 (72.70 to 73.70): VDC
Ion 57.05 (56.75 to 57.75): VDC

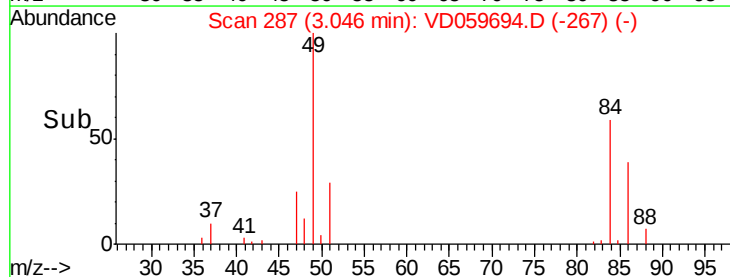
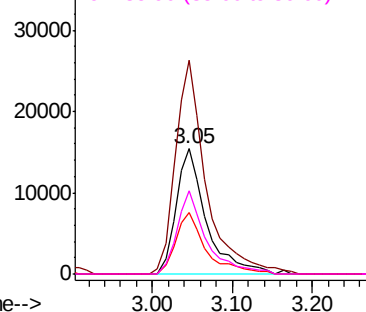


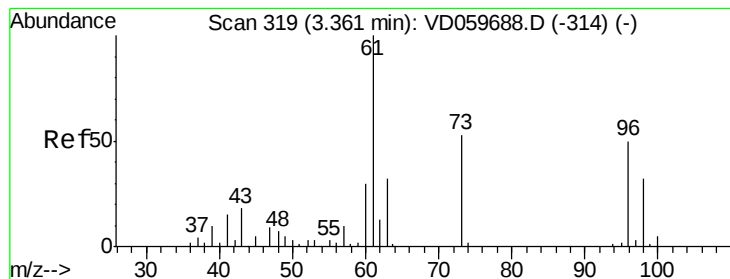
#20
Methylene Chloride
Concen: 21.059 ug/l
RT: 3.05 min Scan# 287
Delta R.T. -0.00 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

Tgt Ion: 84 Resp: 40865
Ion Ratio Lower Upper
84 100
49 170.9 143.4 215.2
51 49.4 44.2 66.4
86 66.7 55.0 82.6



Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 17.367 ug/l

RT: 3.37 min Scan# 320

Delta R.T. 0.01 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

Instrument :

MSVOA_D

ClientSampled :

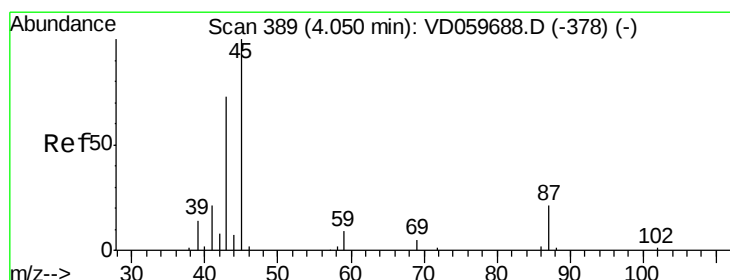
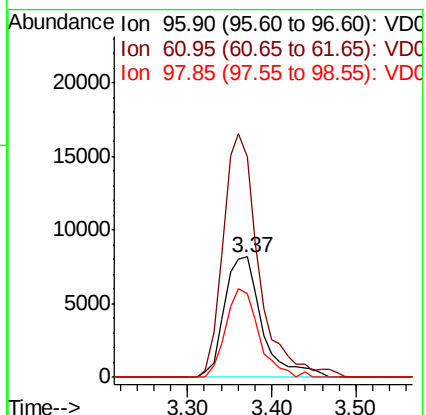
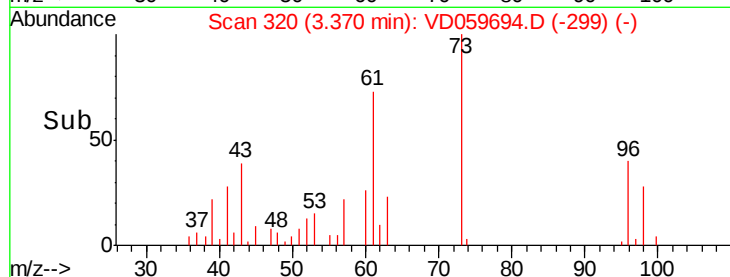
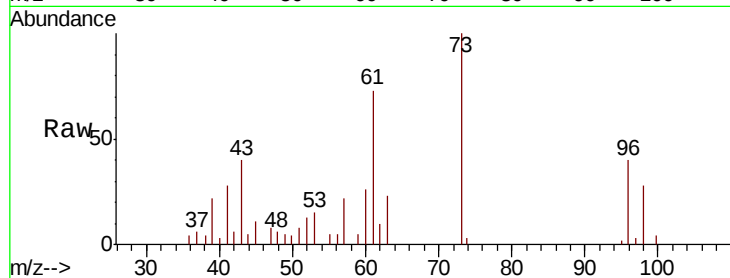
Tot Ion: 96 Resp: 25336

Ion Ratio Lower Upper

96 100

61 183.1 160.6 241.0

98 69.9 50.9 76.3



#22

Diisopropyl ether

Concen: 19.255 ug/l

RT: 4.05 min Scan# 389

Delta R.T. -0.00 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

Tgt Ion: 45 Resp: 107411

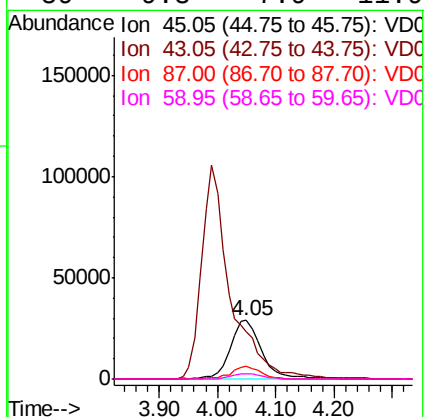
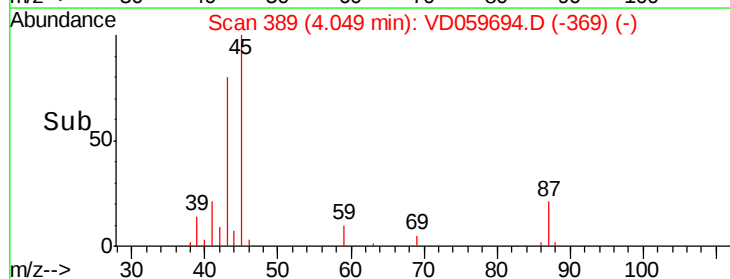
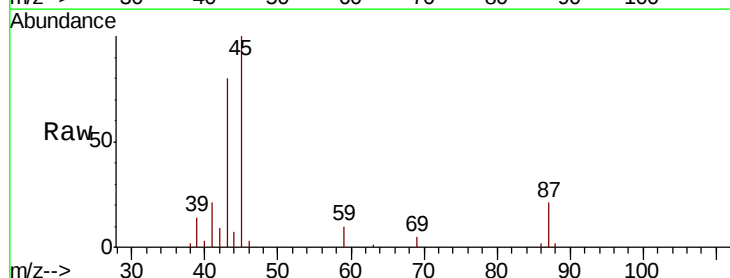
Ion Ratio Lower Upper

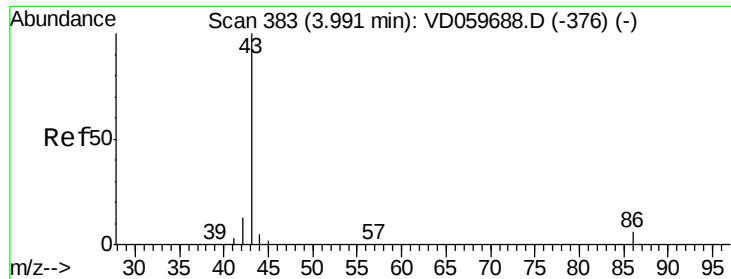
45 100

43 80.2 60.3 90.5

87 21.3 17.0 25.6

59 9.8 7.9 11.9





#23

Vinyl Acetate

Concen: 103.666 ug/l

RT: 3.99 min Scan# 383

Delta R.T. -0.00 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

Instrument :

MSVOA_D

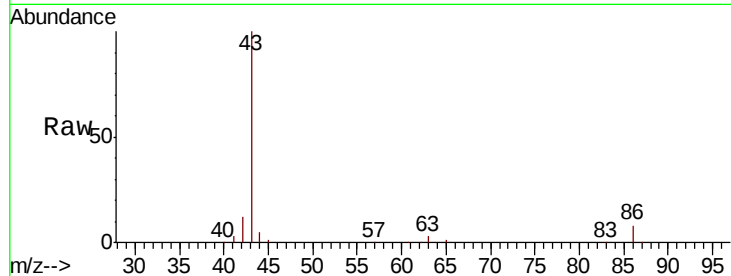
ClientSampled :

Tot Ion: 43 Resp: 360926

Ion Ratio Lower Upper

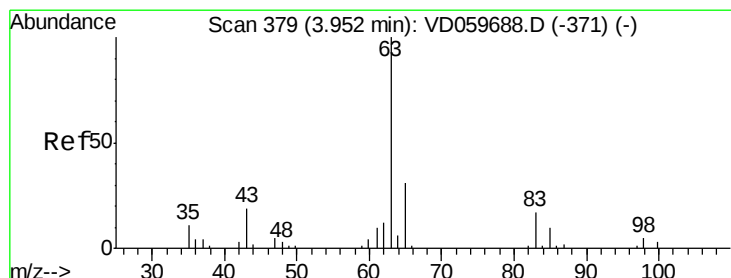
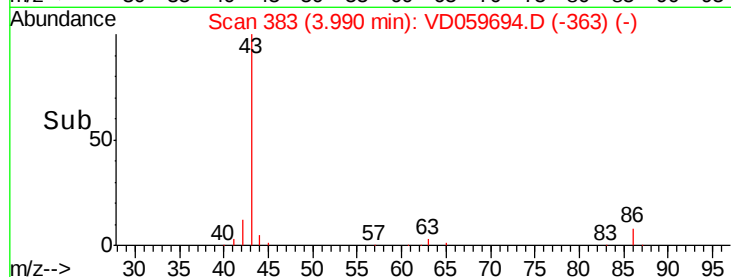
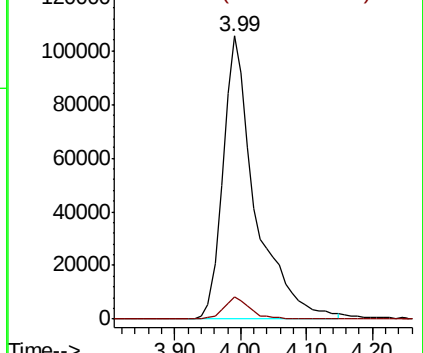
43 100

86 7.7 4.8 7.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.491 ug/l

RT: 3.94 min Scan# 378

Delta R.T. -0.01 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

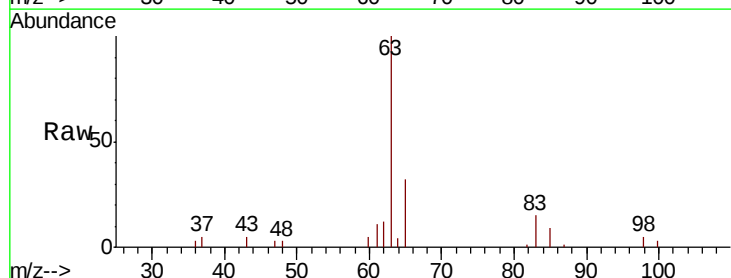
Tgt Ion: 63 Resp: 73226

Ion Ratio Lower Upper

63 100

98 4.7 2.4 7.1

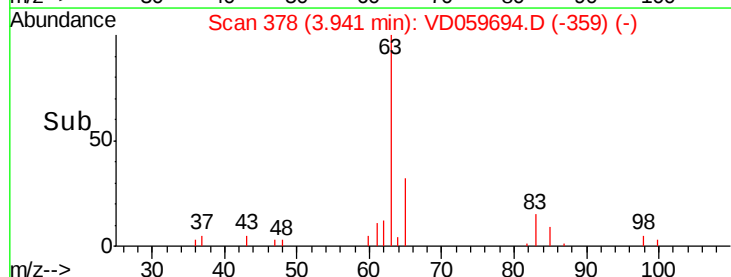
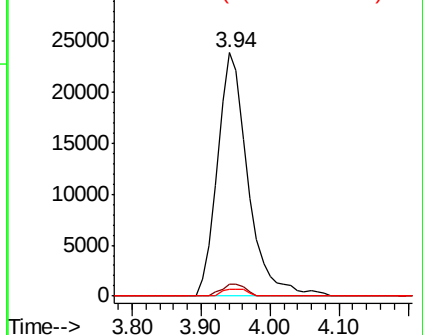
100 2.9 1.6 4.8

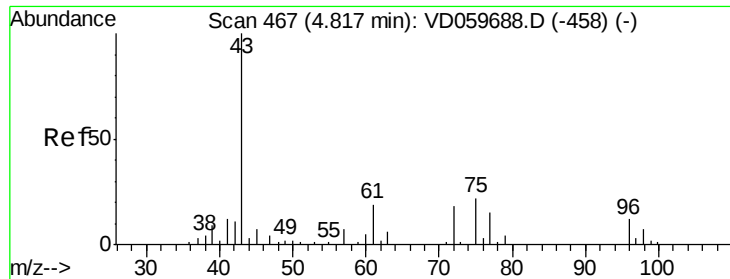


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 90.798 ug/l

RT: 4.82 min Scan# 467

Delta R.T. -0.00 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

Instrument :

MSVOA_D

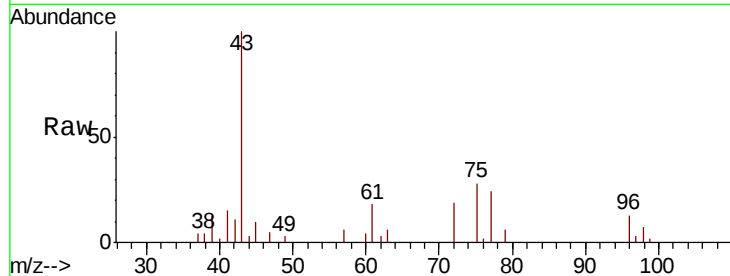
ClientSampleId :

Tot Ion: 43 Resp: 60275

Ion Ratio Lower Upper

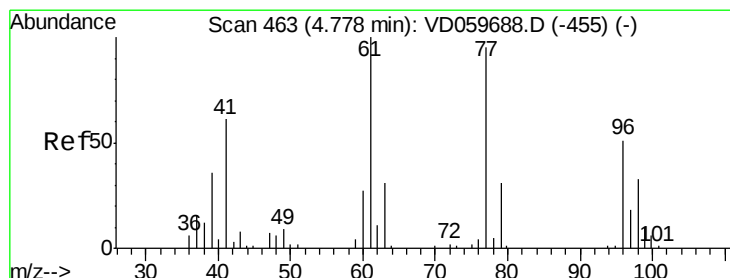
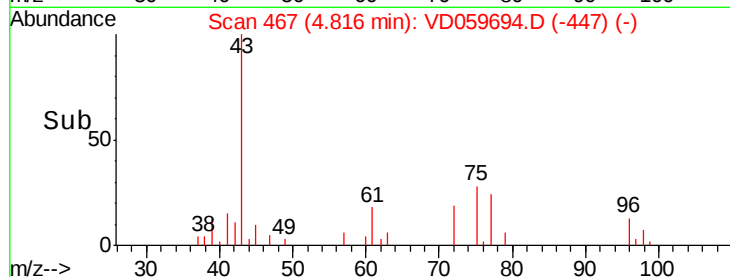
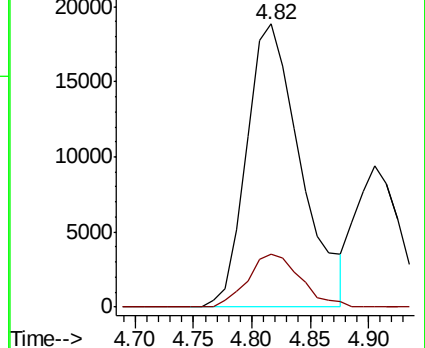
43 100

72 18.8 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: 17.830 ug/l

RT: 4.77 min Scan# 462

Delta R.T. -0.01 min

Lab File: VD059694.D

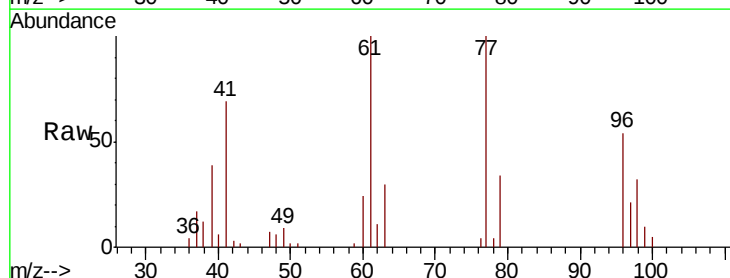
Acq: 6 Aug 2018 15:32

Tgt Ion: 77 Resp: 72740

Ion Ratio Lower Upper

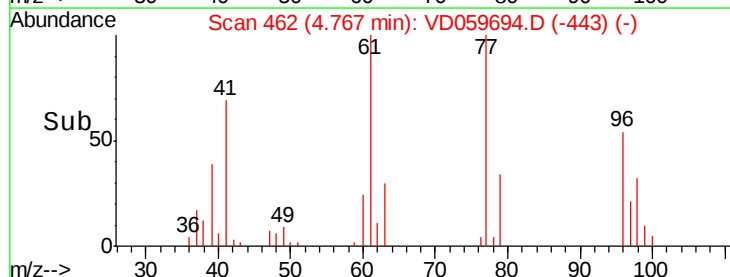
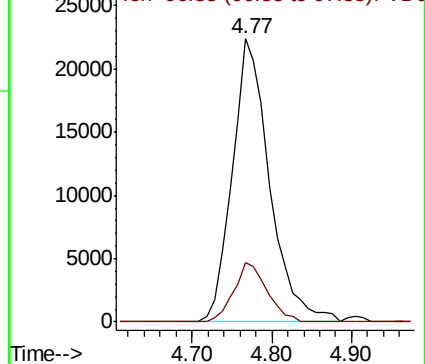
77 100

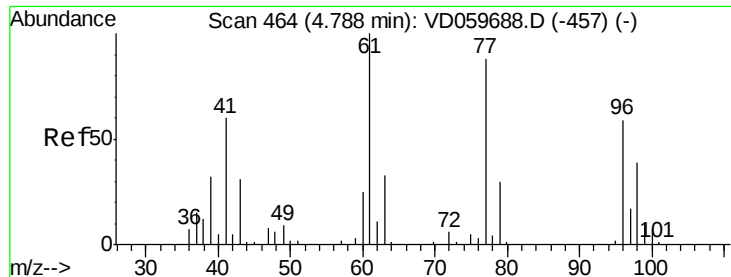
97 20.8 9.4 28.3



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



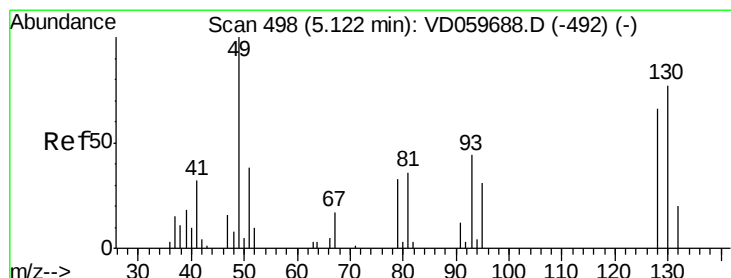
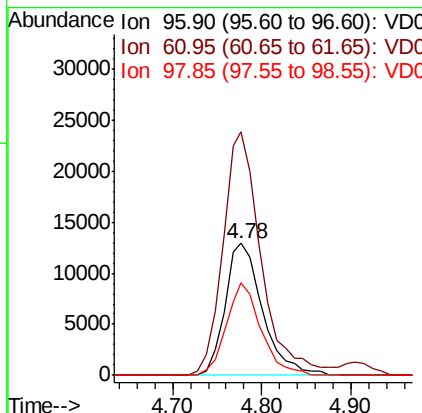
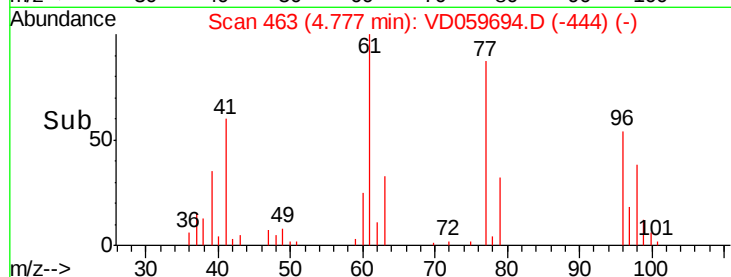
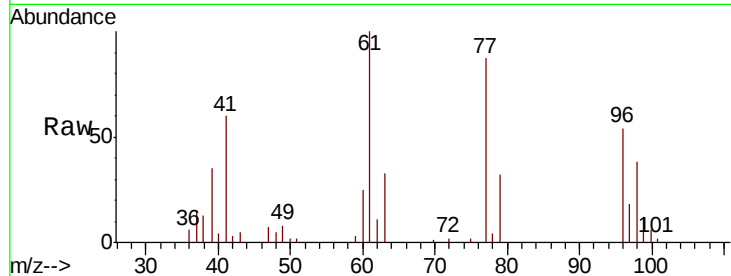


#27

cis-1,2-Dichloroethene
Concen: 19.216 ug/l
RT: 4.78 min Scan# 463
Delta R.T. -0.01 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

Instrument :
MSVOA_D
ClientSampled :

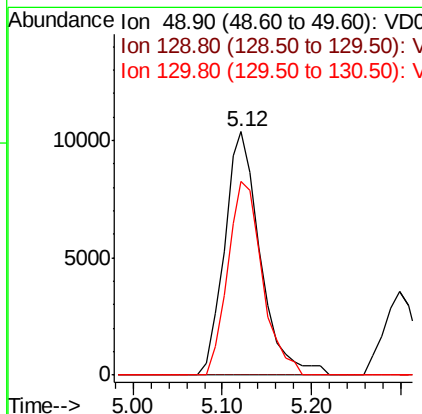
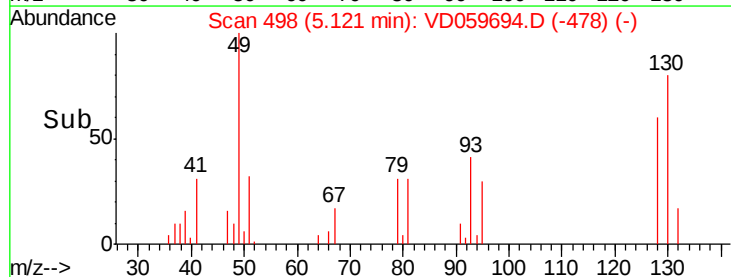
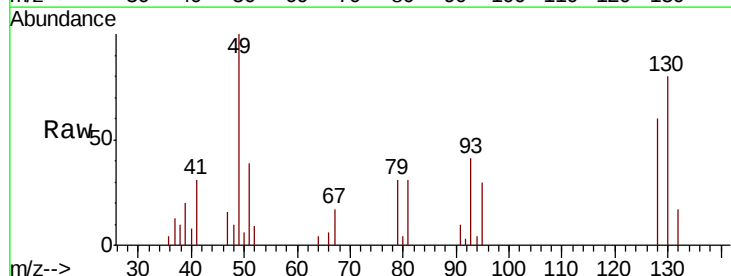
Tot Ion: 96 Resp: 37902
Ion Ratio Lower Upper
96 100
61 184.9 0.0 341.6
98 69.9 0.0 131.0

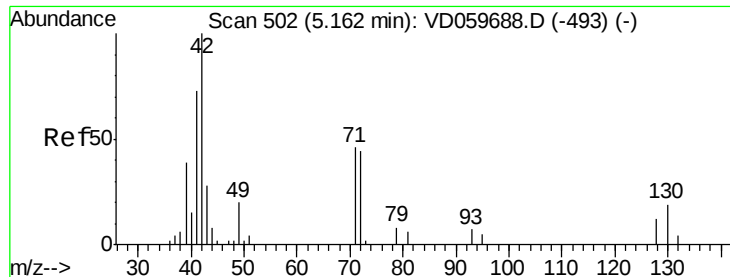


#28

Bromochloromethane
Concen: 20.825 ug/l
RT: 5.12 min Scan# 498
Delta R.T. -0.00 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

Tgt Ion: 49 Resp: 29000
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.0
130 79.7 61.2 91.8





#29

Tetrahydrofuran

Concen: 95.406 ug/l

RT: 5.16 min Scan# 502

Delta R.T. -0.00 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

Instrument :

MSVOA_D

ClientSampled :

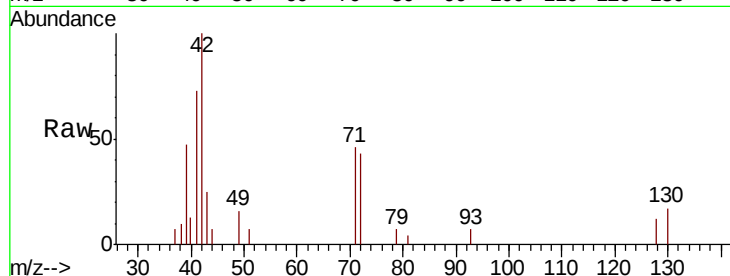
Tot Ion: 42 Resp: 24780

Ion Ratio Lower Upper

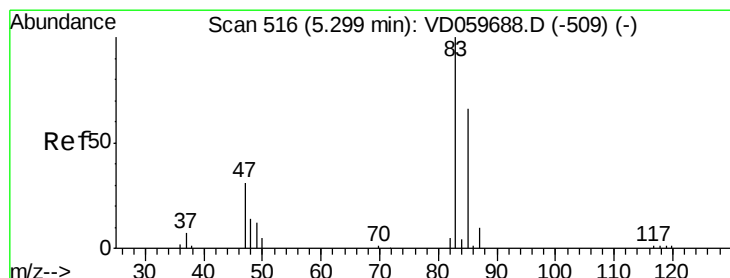
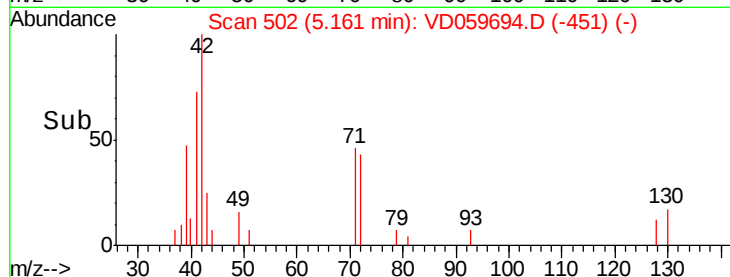
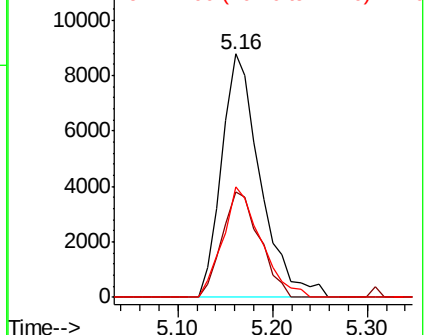
42 100

72 42.1 36.7 55.1

71 44.8 36.3 54.5



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



#30

Chloroform

Concen: 19.303 ug/l

RT: 5.30 min Scan# 516

Delta R.T. -0.00 min

Lab File: VD059694.D

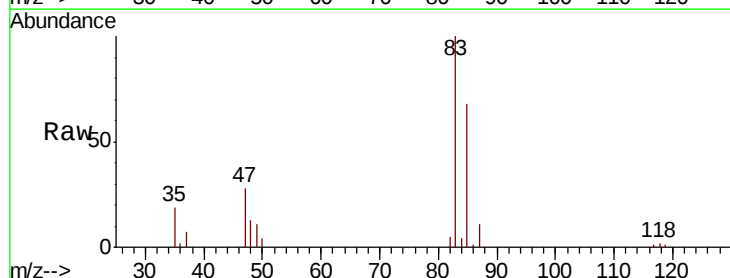
Acq: 6 Aug 2018 15:32

Tgt Ion: 83 Resp: 87539

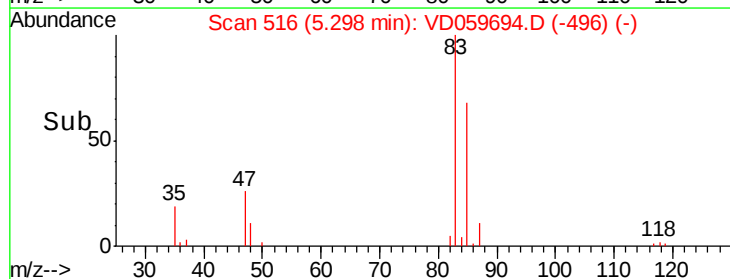
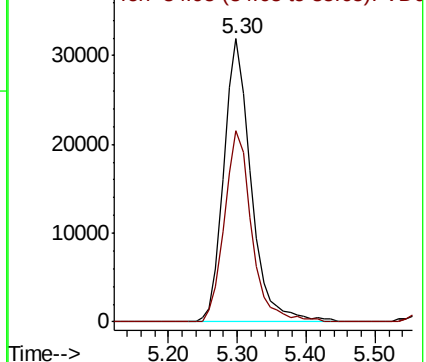
Ion Ratio Lower Upper

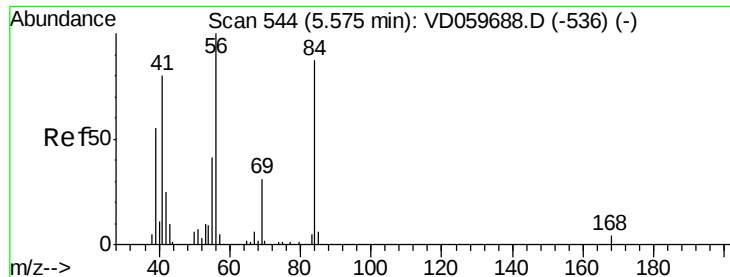
83 100

85 67.8 52.6 79.0



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

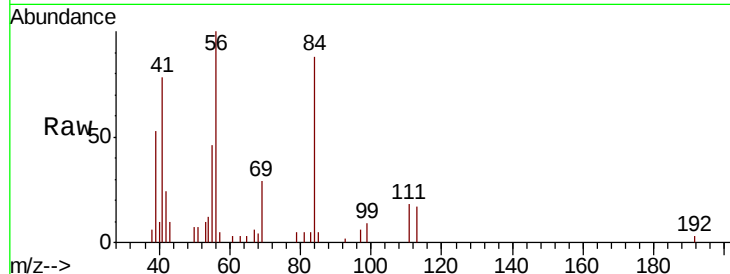




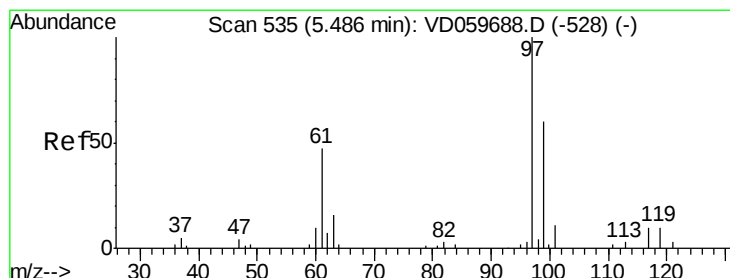
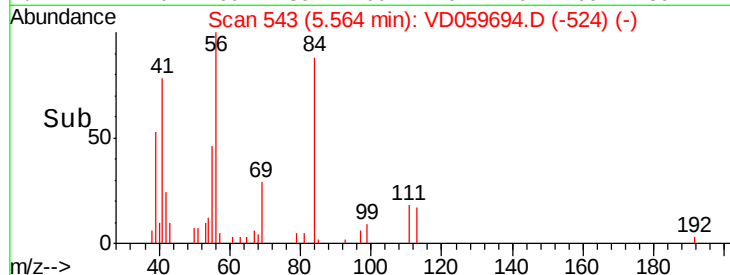
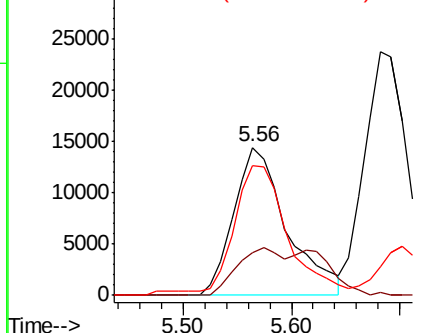
#31
Cyclohexane
Concen: 18.083 ug/l
RT: 5.56 min Scan# 543
Delta R.T. -0.01 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 49455
Ion Ratio Lower Upper
56 100
69 28.7 24.7 37.1
84 88.1 72.2 108.2

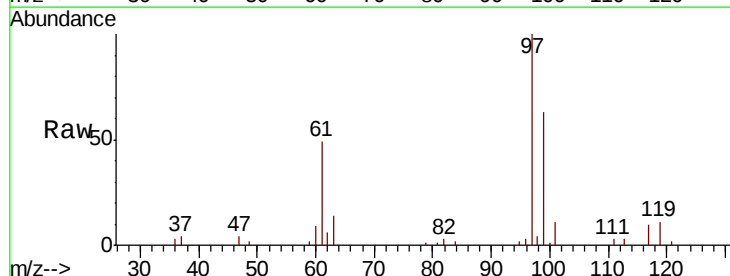


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

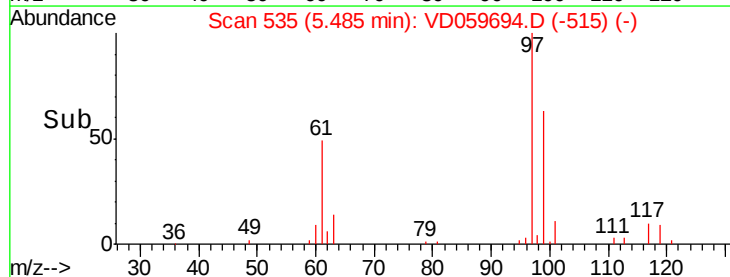
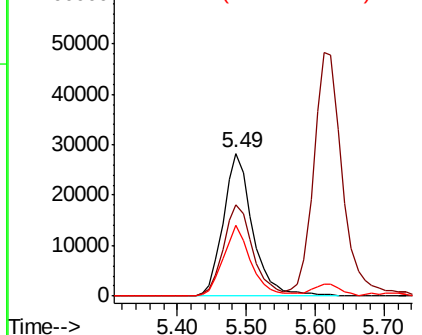


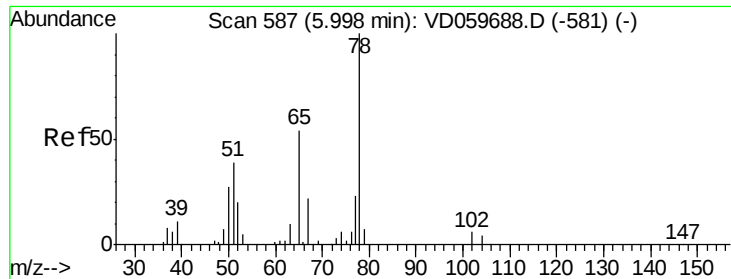
#32
1,1,1-Trichloroethane
Concen: 18.705 ug/l
RT: 5.49 min Scan# 535
Delta R.T. -0.00 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

Tgt Ion: 97 Resp: 83141
Ion Ratio Lower Upper
97 100
99 63.4 48.2 72.2
61 49.2 37.5 56.3



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

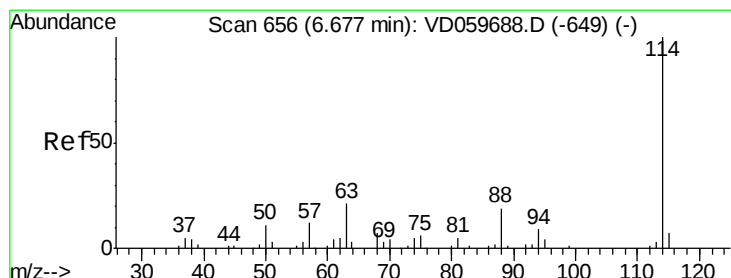
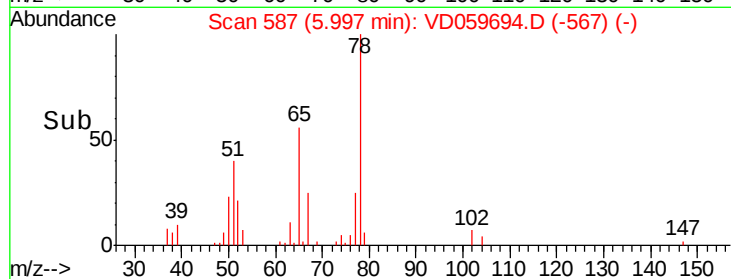
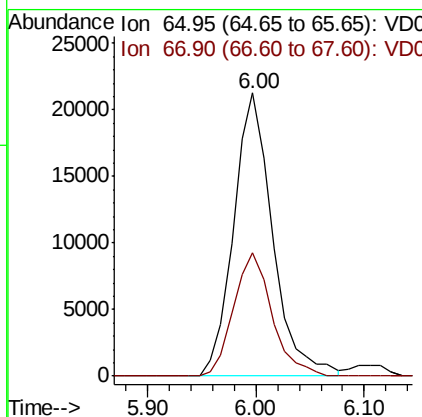
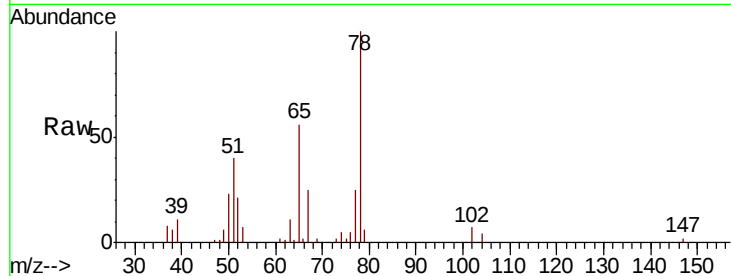




#33
 1,2-Dichloroethane-d4
 Concen: 18.705 ug/l
 RT: 6.00 min Scan# 587
 Delta R.T. -0.00 min
 Lab File: VD059694.D
 Acq: 6 Aug 2018 15:32

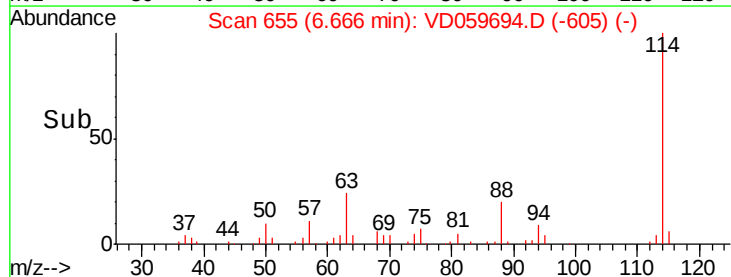
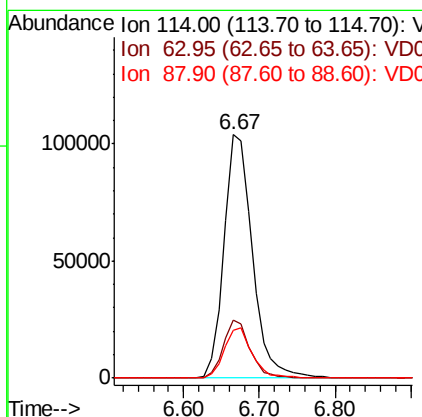
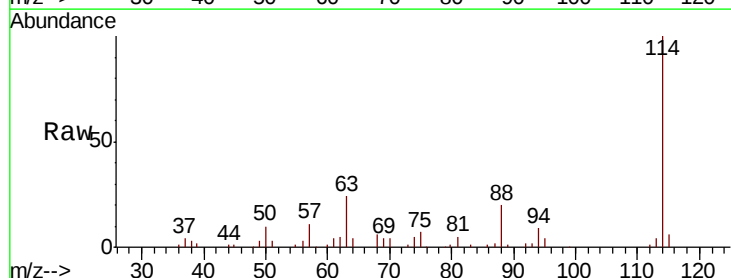
Instrument :
 MSVOA_D
 ClientSampleID :

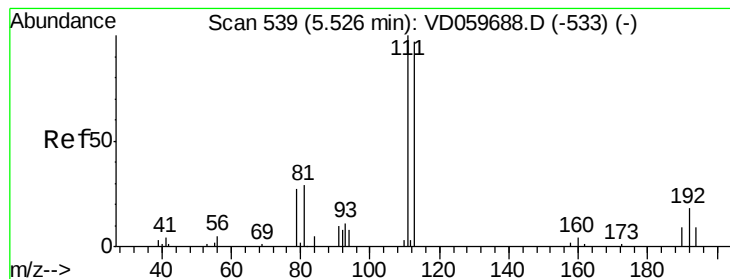
Tot Ion: 65 Resp: 53237
 Ion Ratio Lower Upper
 65 100
 67 43.5 0.0 80.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.67 min Scan# 655
 Delta R.T. -0.01 min
 Lab File: VD059694.D
 Acq: 6 Aug 2018 15:32

Tgt Ion: 114 Resp: 270100
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 42.6
 88 19.8 0.0 38.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.52 min Scan# 539

Delta R.T. -0.00 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

Instrument :

MSVOA_D

ClientSampleId :

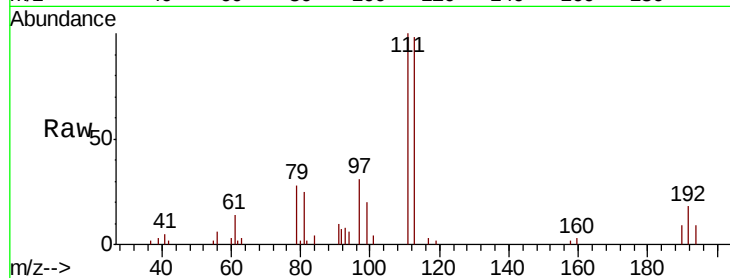
Tot Ion:113 Resp: 46091

Ion Ratio Lower Upper

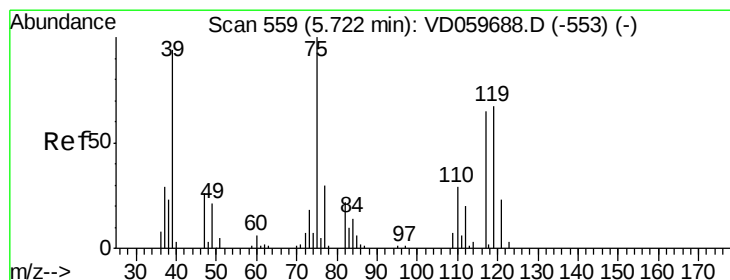
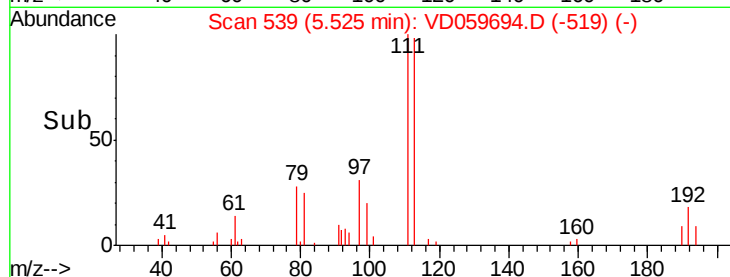
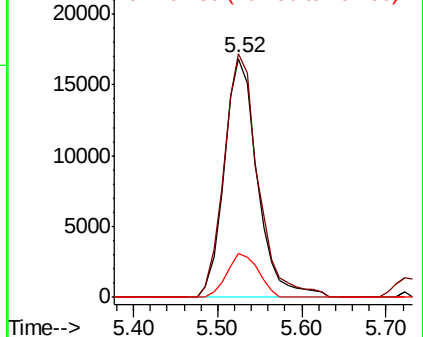
113 100

111 101.9 82.8 124.2

192 18.5 14.6 22.0



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: 18.146 ug/l

RT: 5.72 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

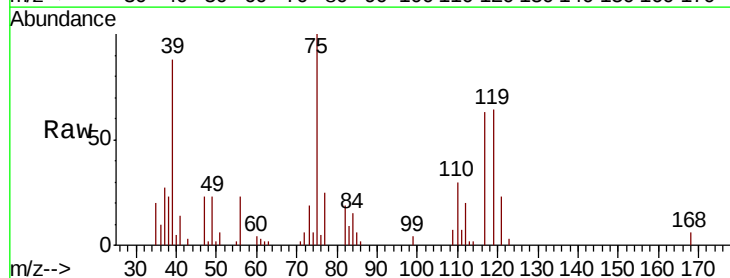
Tgt Ion: 75 Resp: 54791

Ion Ratio Lower Upper

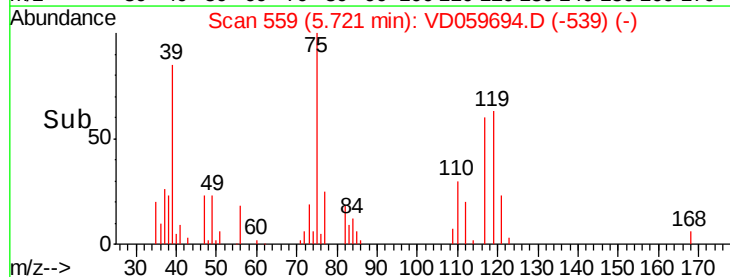
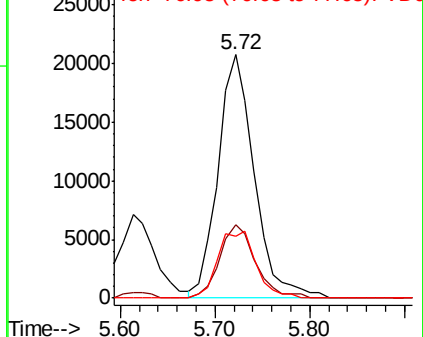
75 100

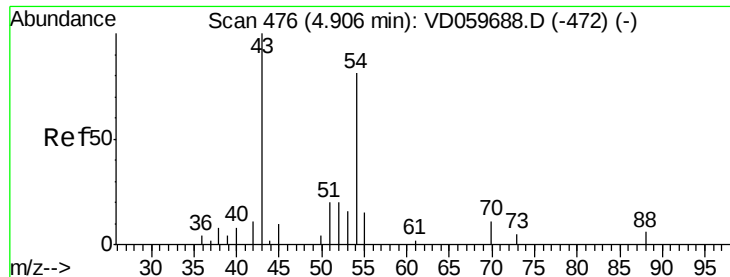
110 29.9 14.1 42.3

77 25.2 23.9 35.9



Abundance Ion 75.00 (74.70 to 75.70): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): V

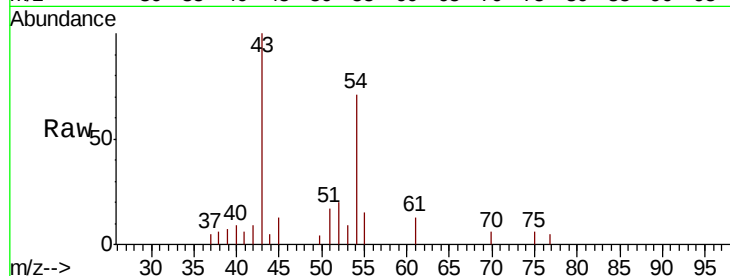




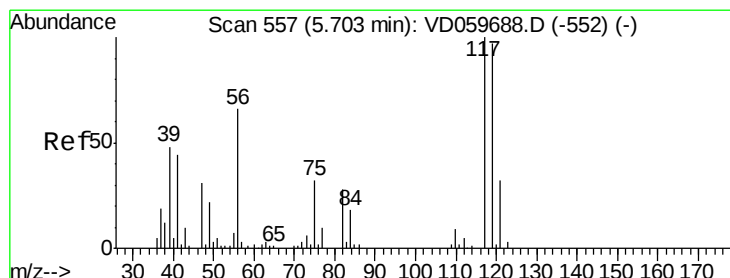
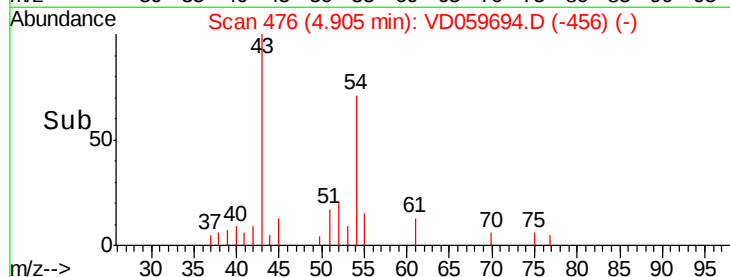
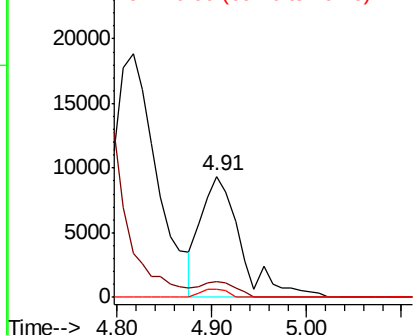
#37
Ethyl Acetate
Concen: 19.379 ug/l
RT: 4.91 min Scan# 476
Delta R.T. -0.00 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 43 Resp: 27523
Ion Ratio Lower Upper
43 100
61 13.4 10.1 15.1
70 6.4 5.4 8.2

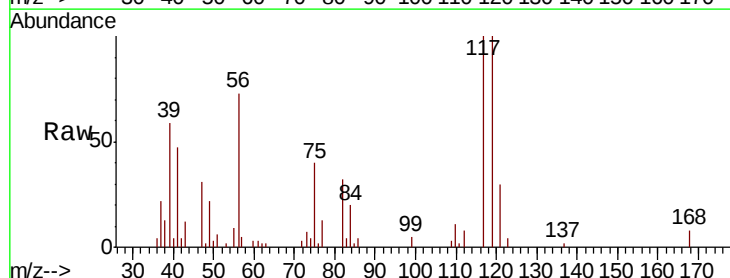


Abundance Ion 42.95 (42.65 to 43.65): VD0
Ion 60.95 (60.65 to 61.65): VD0
Ion 70.00 (69.70 to 70.70): VD0

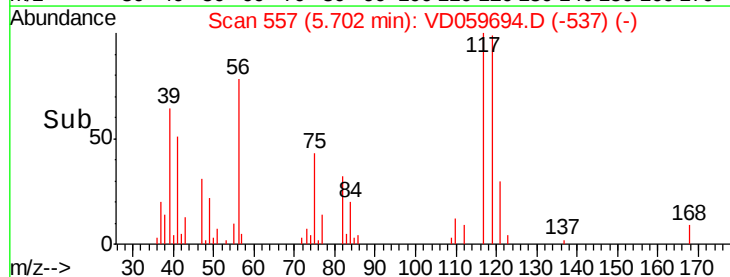
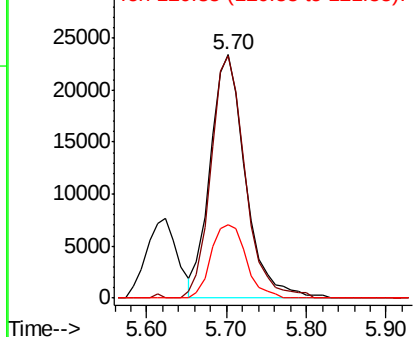


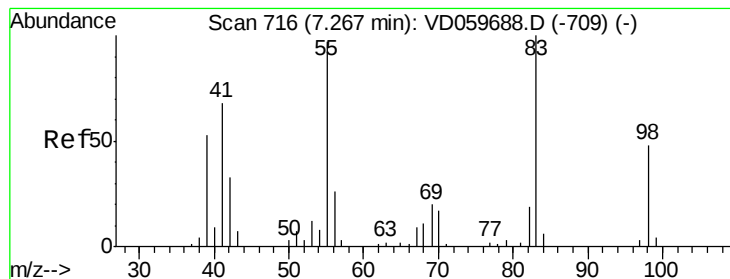
#38
Carbon Tetrachloride
Concen: 17.747 ug/l
RT: 5.70 min Scan# 557
Delta R.T. -0.00 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

Tgt Ion: 117 Resp: 72579
Ion Ratio Lower Upper
117 100
119 99.7 75.3 112.9
121 30.2 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

Methvlcvclohexane

Concen: 18.588 ug/l

RT: 7.27 min Scan# 716

Delta R.T. -0.00 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

Instrument :

MSVOA_D

ClientSampleId :

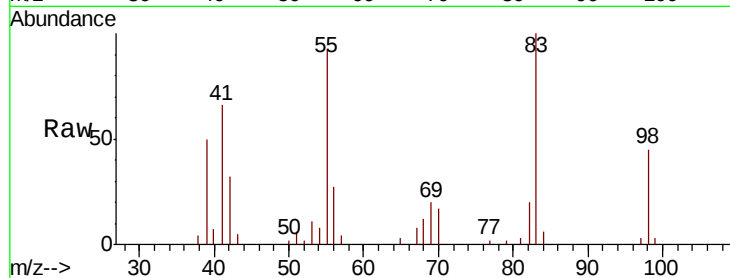
Tot Ion: 83 Resp: 46457

Ion Ratio Lower Upper

83 100

55 91.8 77.7 116.5

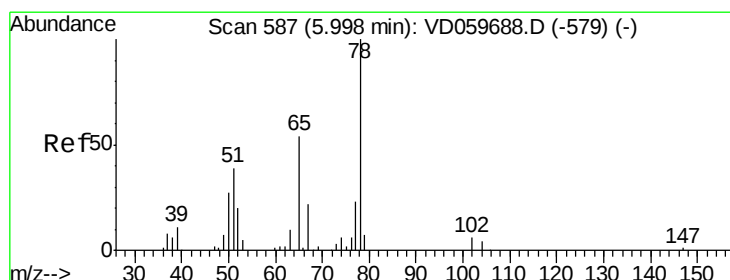
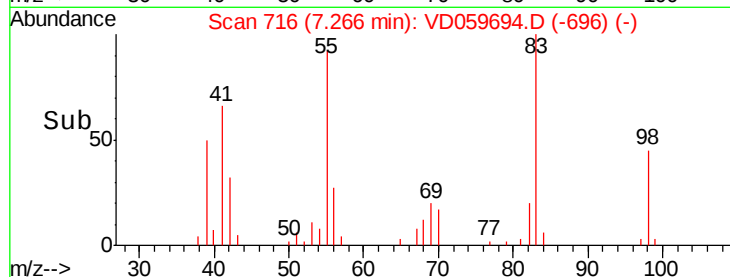
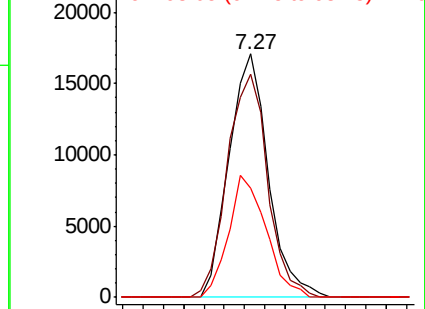
98 45.0 38.7 58.1



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 19.072 ug/l

RT: 5.99 min Scan# 586

Delta R.T. -0.01 min

Lab File: VD059694.D

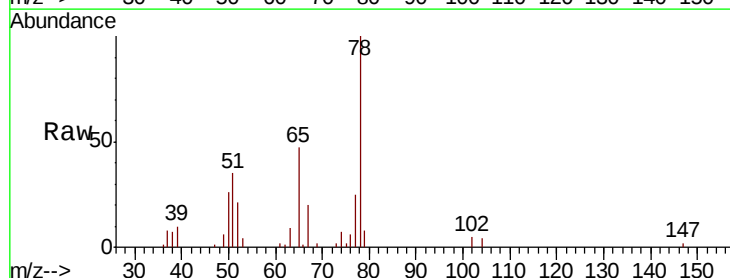
Acq: 6 Aug 2018 15:32

Tgt Ion: 78 Resp: 110995

Ion Ratio Lower Upper

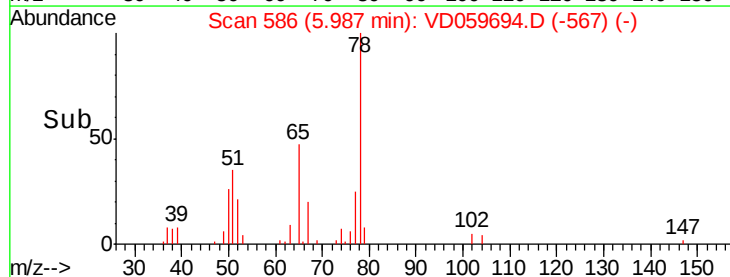
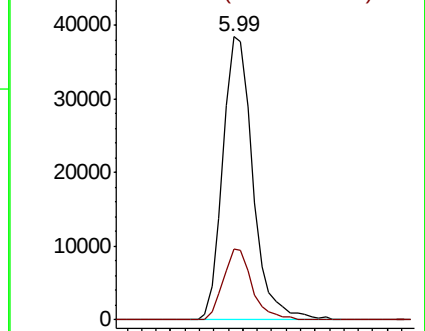
78 100

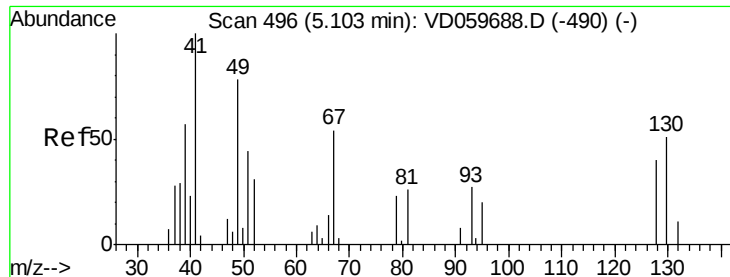
77 24.9 18.4 27.6



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

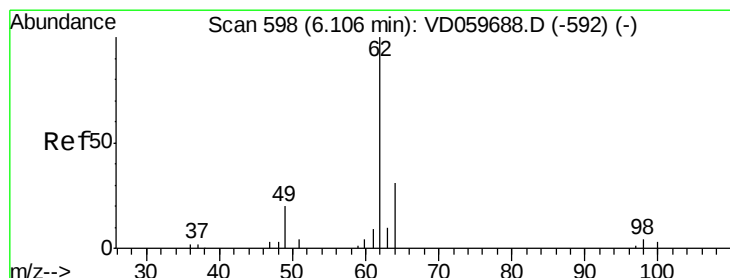
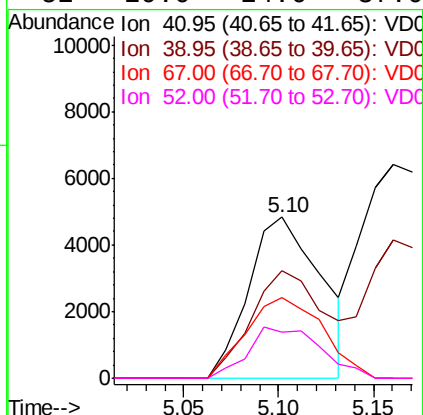
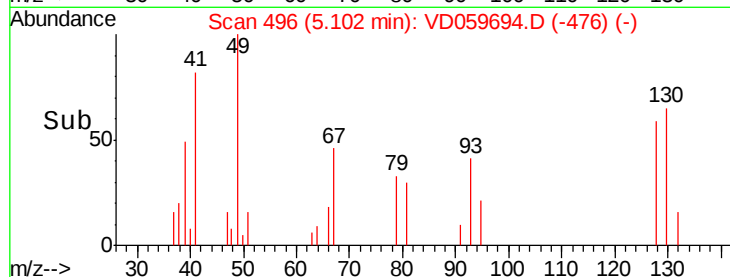
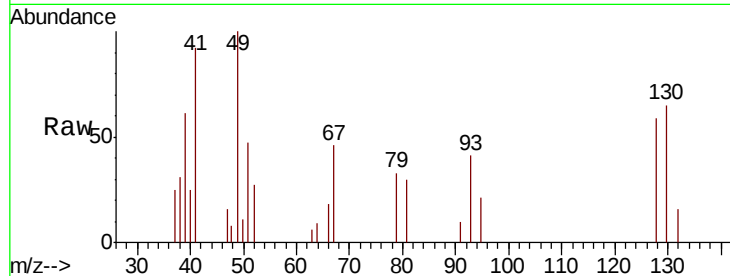




#41
Methacrylonitrile
Concen: 18.702 ug/l
RT: 5.10 min Scan# 496
Delta R.T. -0.00 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

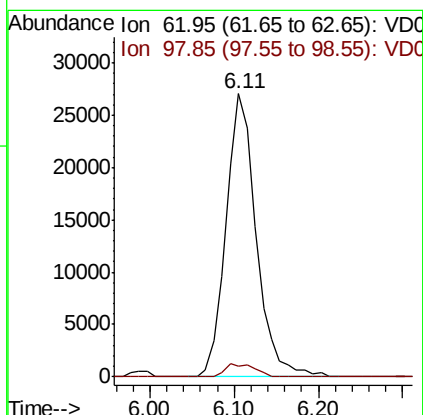
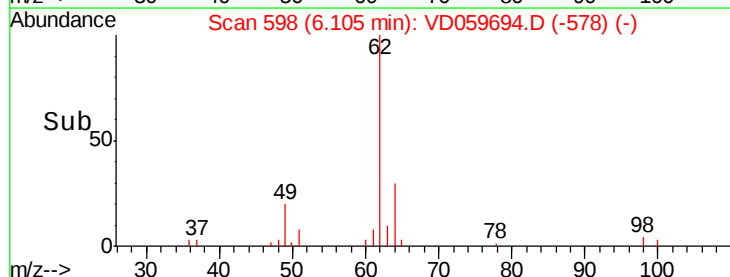
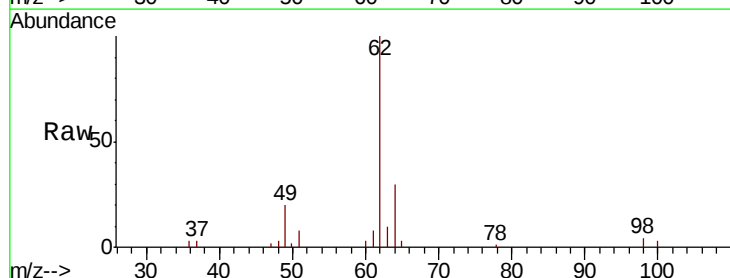
Instrument :
MSVOA_D
ClientSampled :

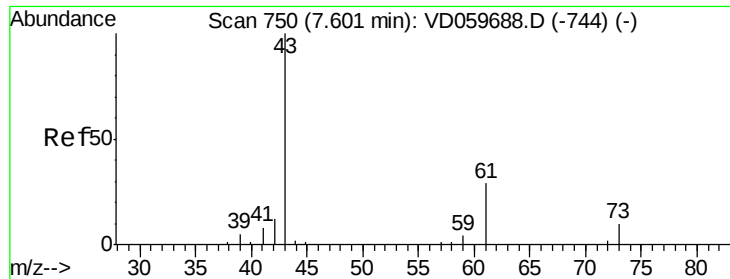
Tot Ion: 41 Resp: 12869
Ion Ratio Lower Upper
41 100
39 66.4 45.8 68.8
67 50.2 43.4 65.2
52 29.0 24.6 37.0



#42
1,2-Dichloroethane
Concen: 18.764 ug/l
RT: 6.11 min Scan# 598
Delta R.T. -0.00 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

Tgt Ion: 62 Resp: 67243
Ion Ratio Lower Upper
62 100
98 3.8 0.0 8.8



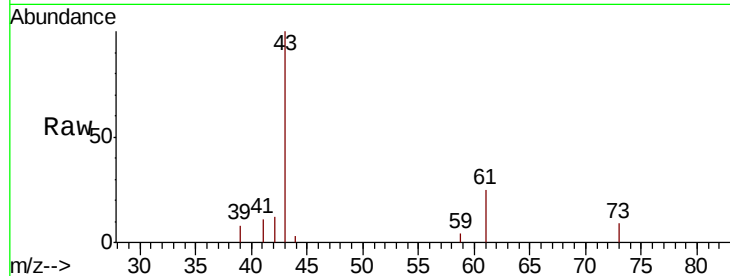


#43

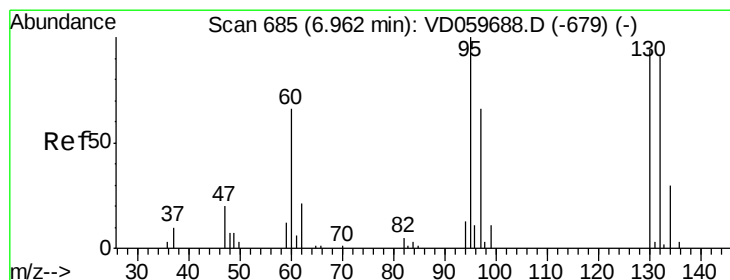
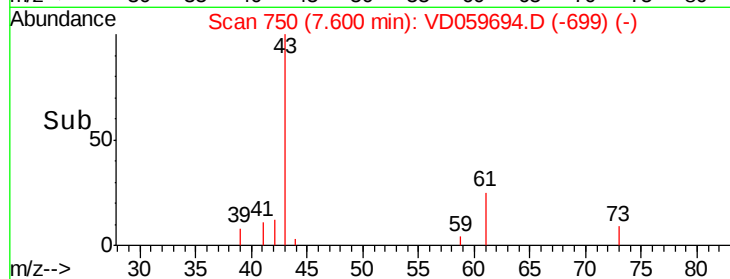
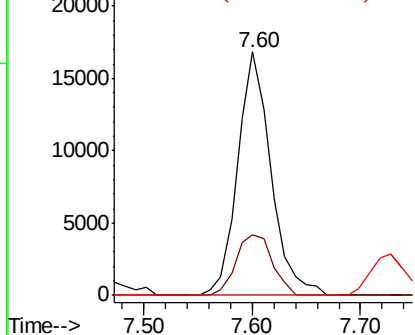
Isopropyl Acetate
 Concen: 19.098 ug/l
 RT: 7.60 min Scan# 750
 Delta R.T. -0.00 min
 Lab File: VD059694.D
 Acq: 6 Aug 2018 15:32

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion: 43 Resp: 35935
 Ion Ratio Lower Upper
 43 100
 61 24.9 22.9 34.3
 87 0.0 0.0 0.0



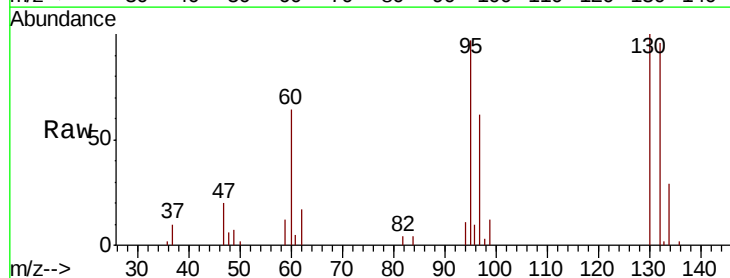
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



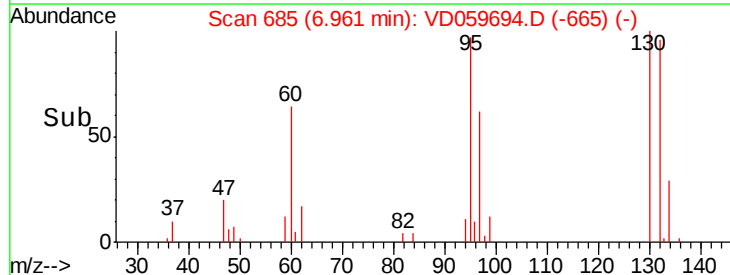
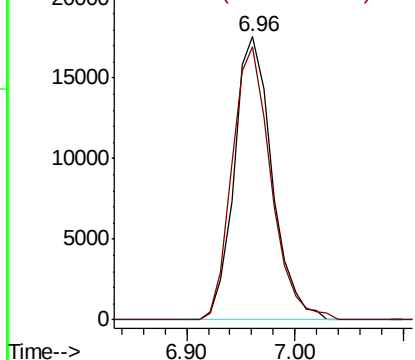
#44

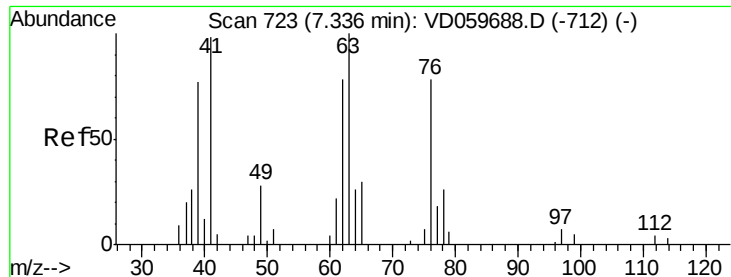
Trichloroethene
 Concen: 20.062 ug/l
 RT: 6.96 min Scan# 685
 Delta R.T. -0.00 min
 Lab File: VD059694.D
 Acq: 6 Aug 2018 15:32

Tgt Ion:130 Resp: 42604
 Ion Ratio Lower Upper
 130 100
 95 96.7 0.0 212.8



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





#45

1,2-Dichloropropane

Concen: 19.098 ug/l

RT: 7.33 min Scan# 722

Delta R.T. -0.01 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

Instrument :

MSVOA_D

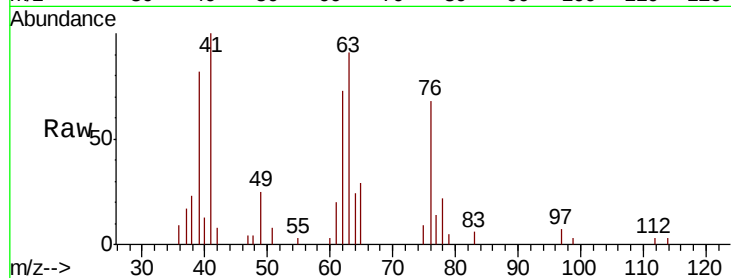
ClientSampled :

Tot Ion: 63 Resp: 28714

Ion Ratio Lower Upper

63 100

65 32.2 24.2 36.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

7.33

12000

10000

8000

6000

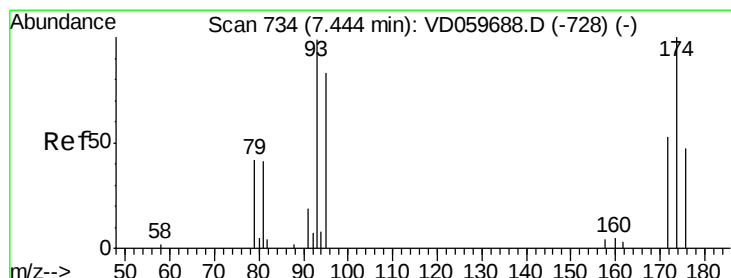
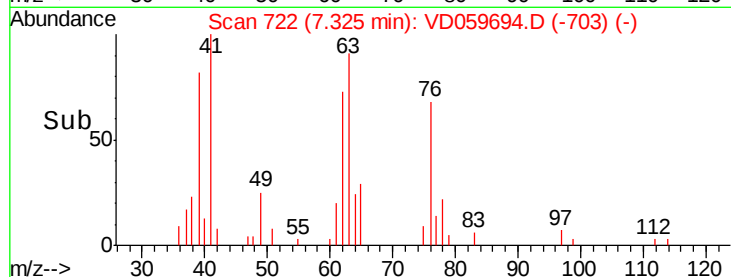
4000

2000

0

7.25 7.30 7.35 7.40 7.45

Time-->



#46

Dibromomethane

Concen: 19.660 ug/l

RT: 7.44 min Scan# 734

Delta R.T. -0.00 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

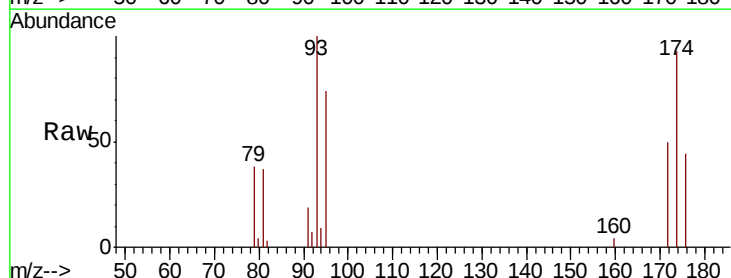
Tgt Ion: 93 Resp: 26015

Ion Ratio Lower Upper

93 100

95 73.7 66.6 100.0

174 92.7 80.6 120.8



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

15000

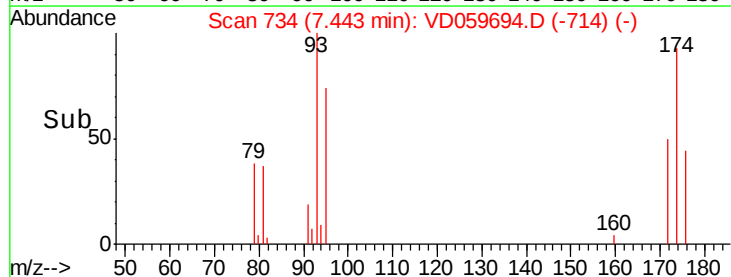
10000

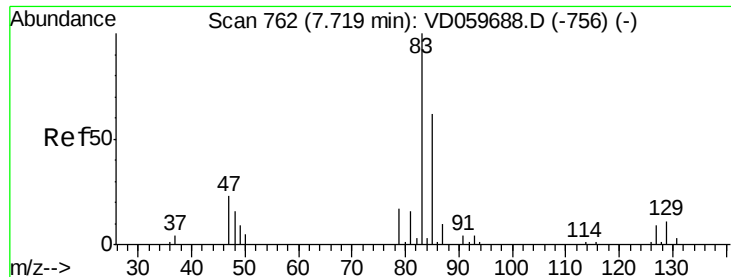
5000

0

7.35 7.40 7.45 7.50 7.55

Time-->





#47

Bromodichloromethane

Concen: 18.966 ug/l

RT: 7.73 min Scan# 763

Delta R.T. 0.01 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

Instrument :

MSVOA_D

ClientSampleId :

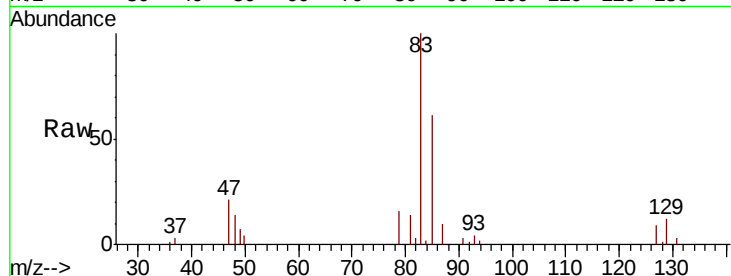
Tot Ion: 83 Resp: 64348

Ion Ratio Lower Upper

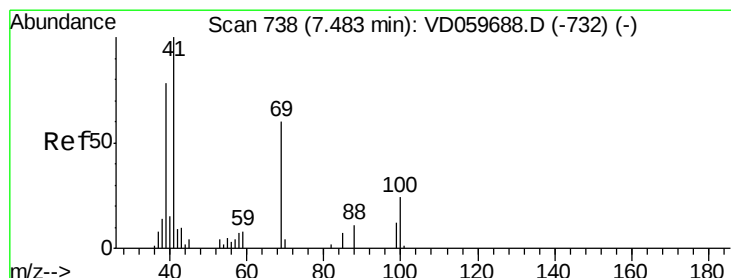
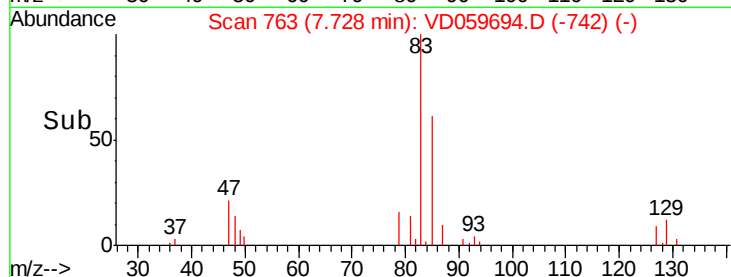
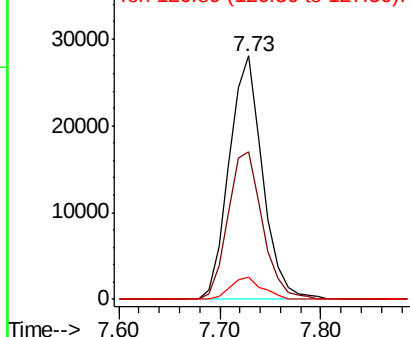
83 100

85 60.6 49.8 74.8

127 9.3 7.3 10.9



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: 18.710 ug/l

RT: 7.49 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

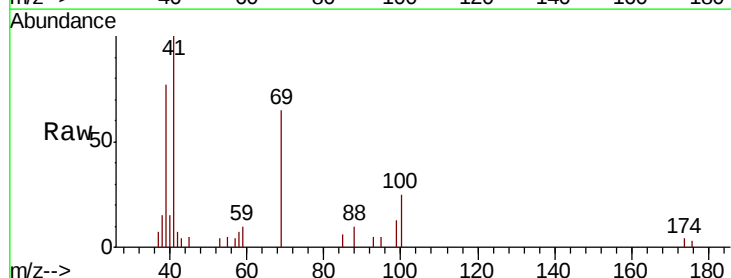
Tgt Ion: 41 Resp: 23324

Ion Ratio Lower Upper

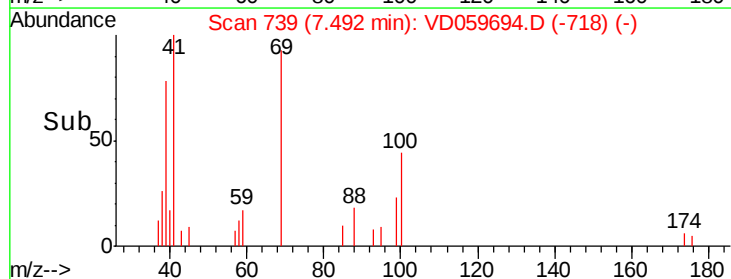
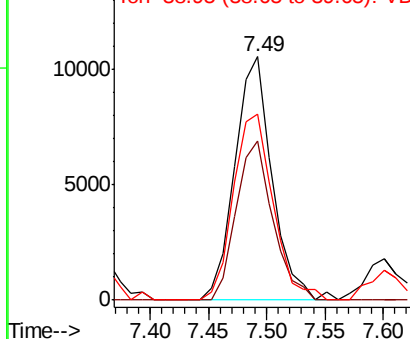
41 100

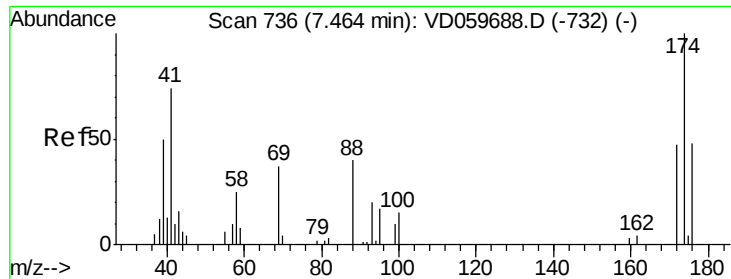
69 65.5 47.3 70.9

39 76.6 62.9 94.3



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

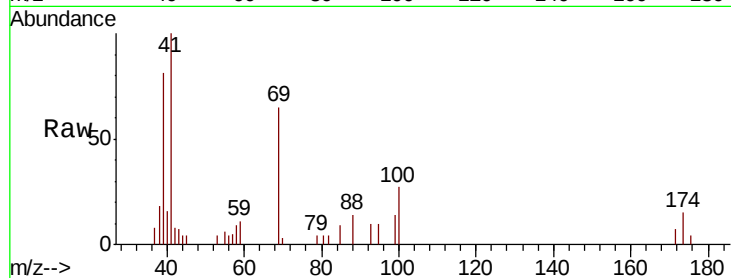




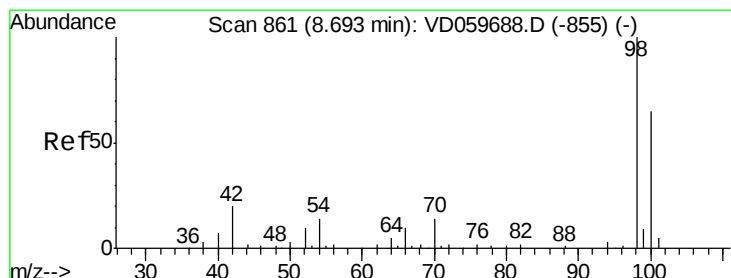
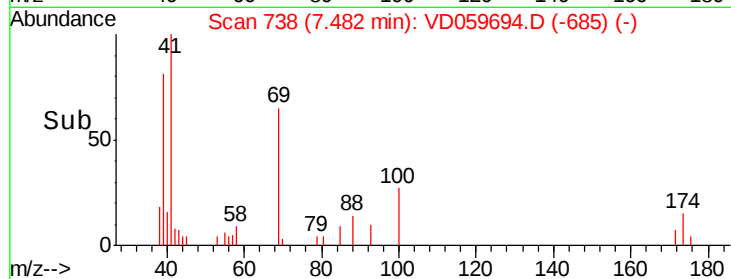
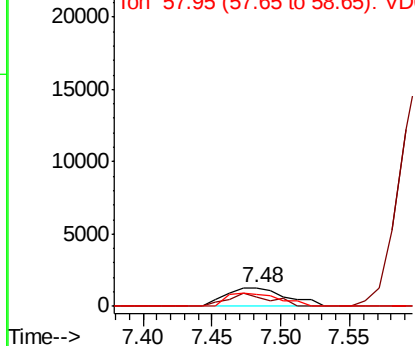
#49
1,4-Dioxane
Concen: 403.787 ug/l
RT: 7.48 min Scan# 738
Delta R.T. 0.02 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 3915
Ion Ratio Lower Upper
88 100
43 50.5 32.2 48.2#
58 66.0 51.5 77.3

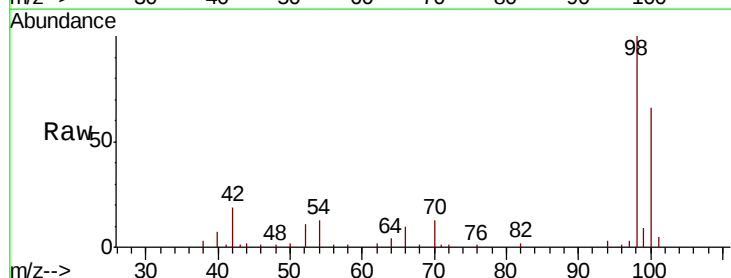


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

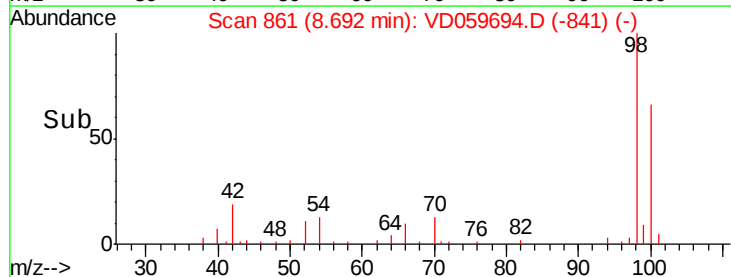
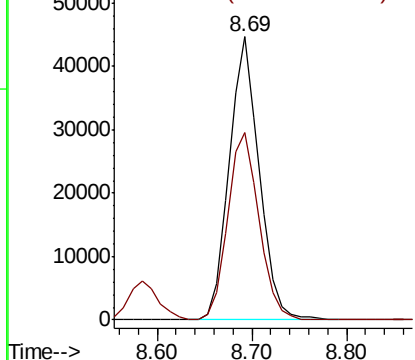


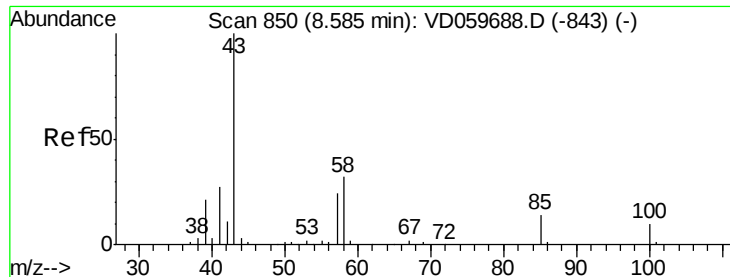
#50
Toluene-d8
Concen: 403.787 ug/l
RT: 8.69 min Scan# 861
Delta R.T. -0.00 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

Tgt Ion: 98 Resp: 97598
Ion Ratio Lower Upper
98 100
100 66.2 52.5 78.7



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: 89.833 ug/l

RT: 8.58 min Scan# 850

Delta R.T. -0.00 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

Instrument :

MSVOA_D

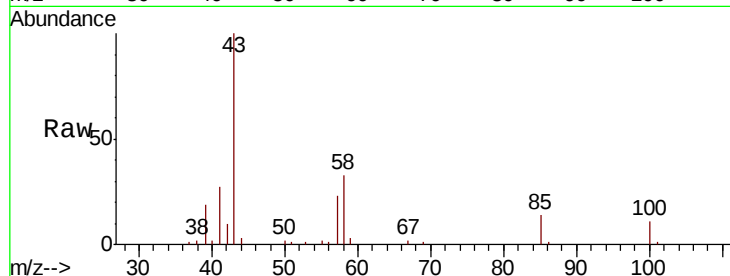
ClientSampleId :

Tot Ion: 43 Resp: 123082

Ion Ratio Lower Upper

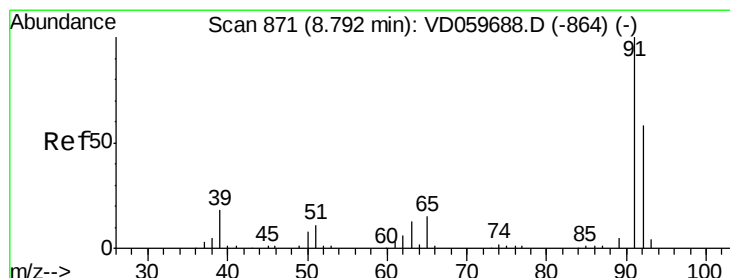
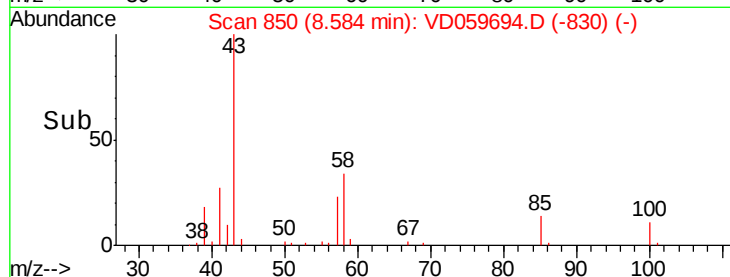
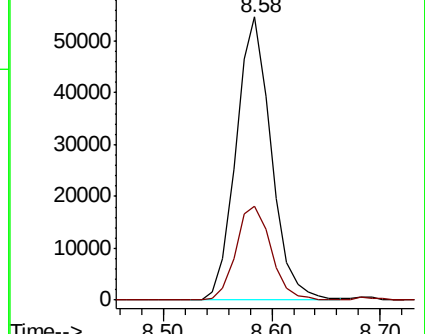
43 100

58 33.4 25.7 38.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 19.106 ug/l

RT: 8.78 min Scan# 870

Delta R.T. -0.01 min

Lab File: VD059694.D

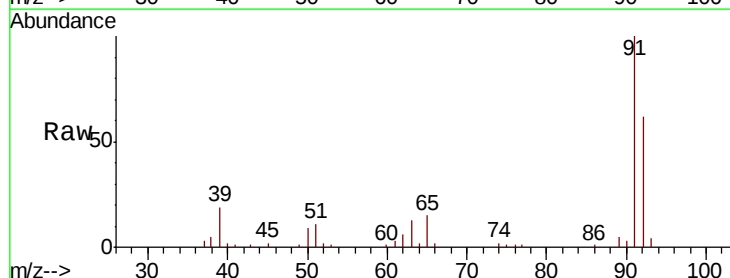
Acq: 6 Aug 2018 15:32

Tgt Ion: 92 Resp: 70048

Ion Ratio Lower Upper

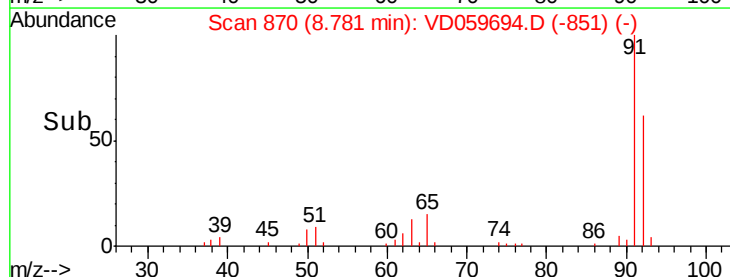
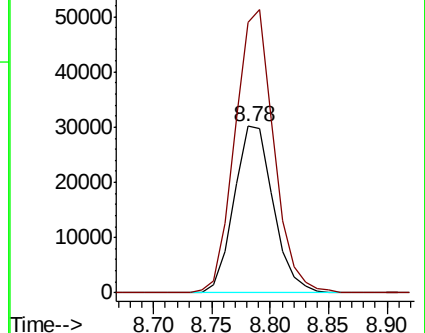
92 100

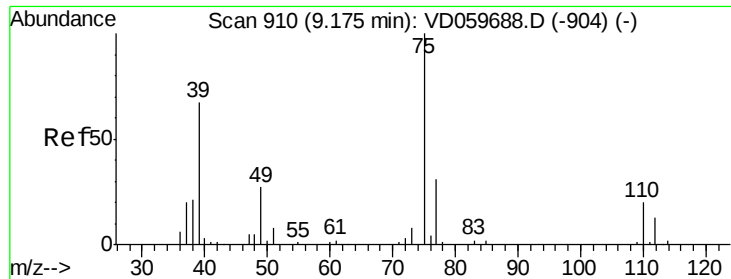
91 162.4 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

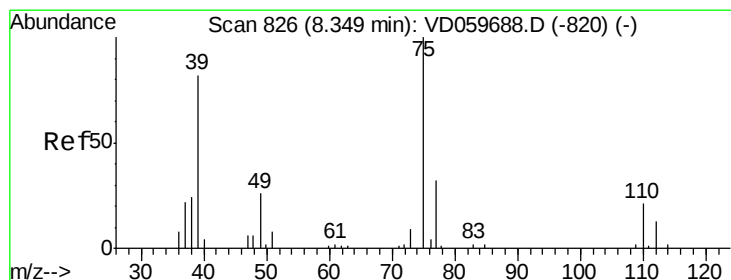
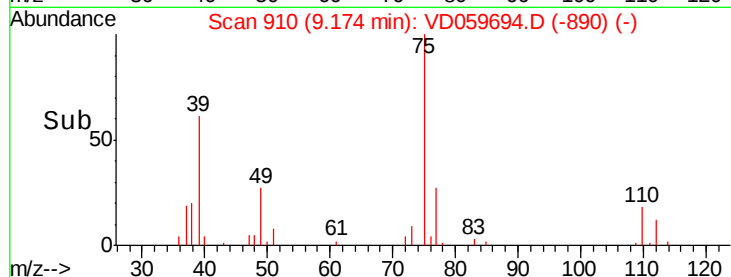
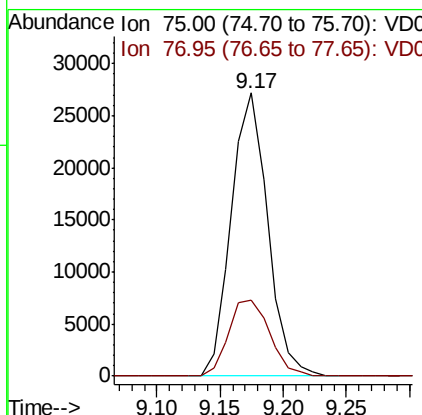
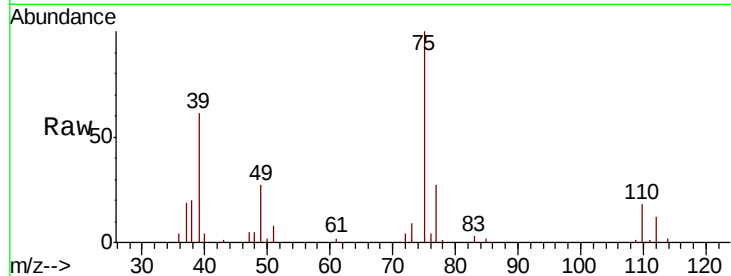




#53
 t-1,3-Dichloropropene
 Concen: 18.888 ug/l
 RT: 9.17 min Scan# 910
 Delta R.T. -0.00 min
 Lab File: VD059694.D
 Acq: 6 Aug 2018 15:32

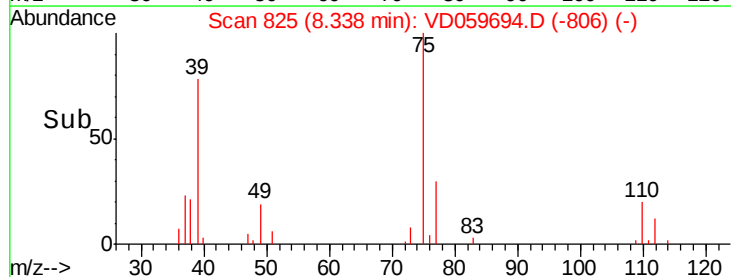
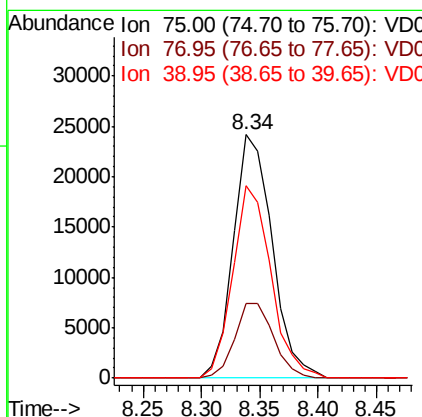
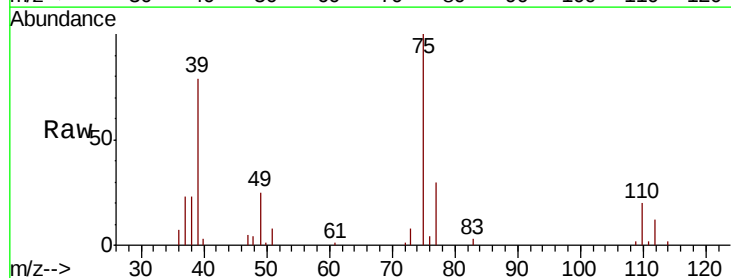
Instrument :
 MSVOA_D
 ClientSampleId :

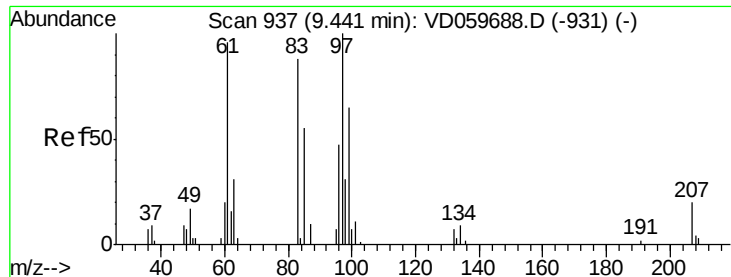
Tot Ion: 75 Resp: 54275
 Ion Ratio Lower Upper
 75 100
 77 27.0 24.7 37.1



#54
 cis-1,3-Dichloropropene
 Concen: 19.314 ug/l
 RT: 8.34 min Scan# 825
 Delta R.T. -0.01 min
 Lab File: VD059694.D
 Acq: 6 Aug 2018 15:32

Tgt Ion: 75 Resp: 56011
 Ion Ratio Lower Upper
 75 100
 77 30.5 25.5 38.3
 39 79.2 65.4 98.2





#55

1,1,2-Trichloroethane

Concen: 19.062 ug/l

RT: 9.44 min Scan# 937

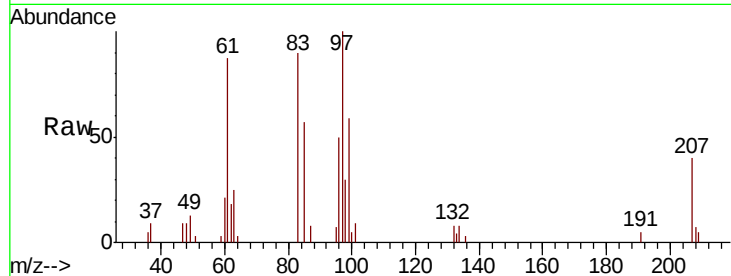
Delta R.T. -0.00 min

Lab File: VD059694.D

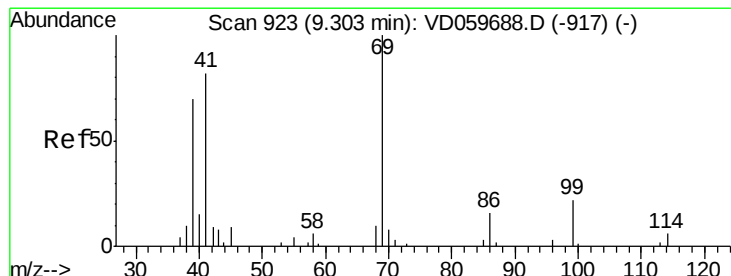
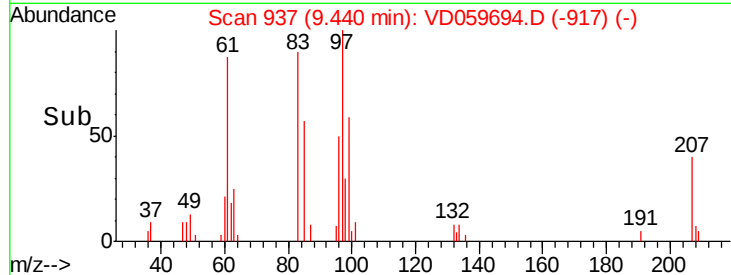
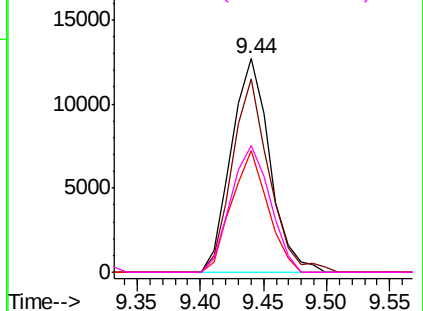
Acq: 6 Aug 2018 15:32

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	97	Resp:	26799
Ion	Ratio	Lower	Upper
97	100		
83	90.5	70.8	106.2
85	57.2	44.1	66.1
99	59.3	52.2	78.4



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: 19.694 ug/l

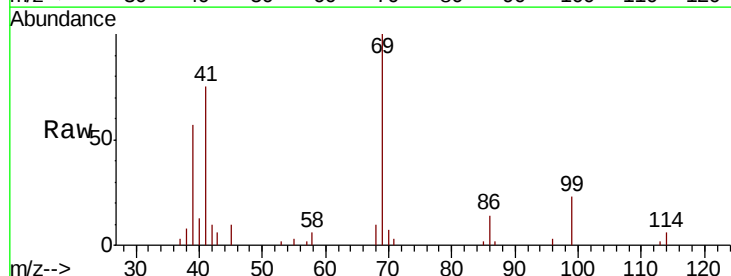
RT: 9.30 min Scan# 923

Delta R.T. -0.00 min

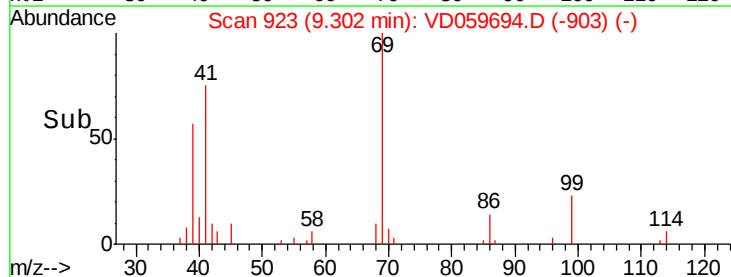
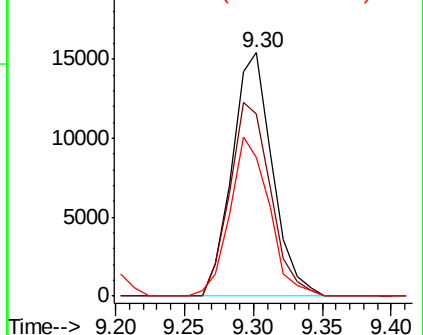
Lab File: VD059694.D

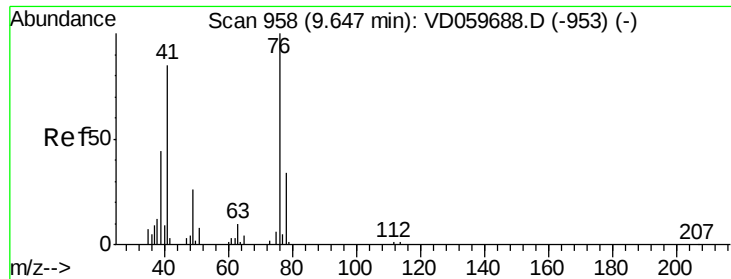
Acq: 6 Aug 2018 15:32

Tgt Ion:	69	Resp:	31312
Ion	Ratio	Lower	Upper
69	100		
41	74.6	65.7	98.5
39	57.0	55.8	83.8



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





#57

1,3-Dichloropropane

Concen: 18.430 ug/l

RT: 9.65 min Scan# 958

Delta R.T. -0.00 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

Instrument :

MSVOA_D

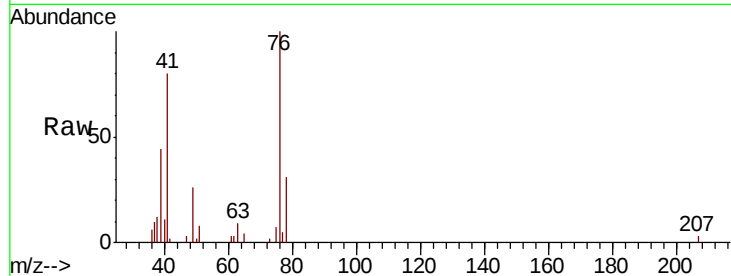
ClientSampled :

Tot Ion: 76 Resp: 41669

Ion Ratio Lower Upper

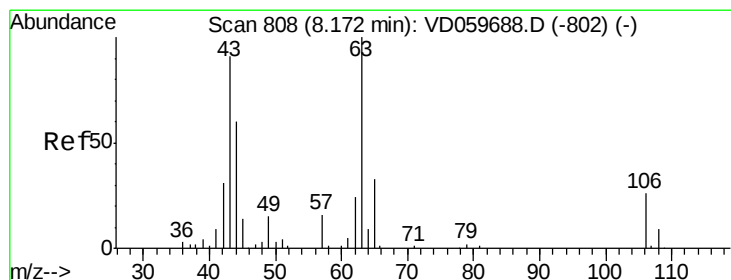
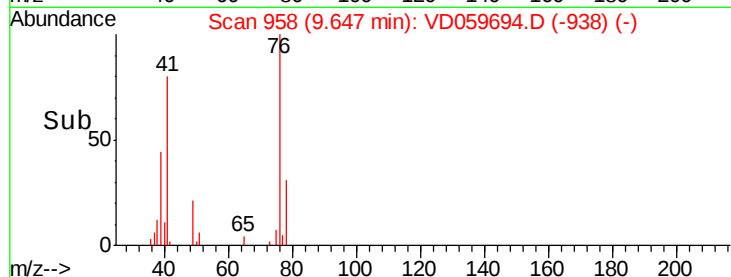
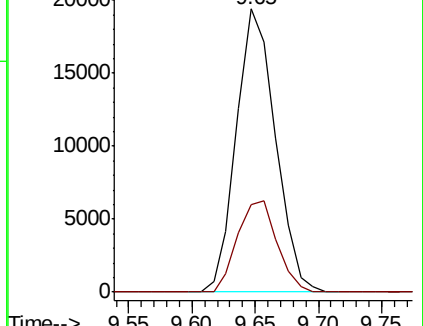
76 100

78 30.7 27.5 41.3



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 105.563 ug/l

RT: 8.17 min Scan# 808

Delta R.T. -0.00 min

Lab File: VD059694.D

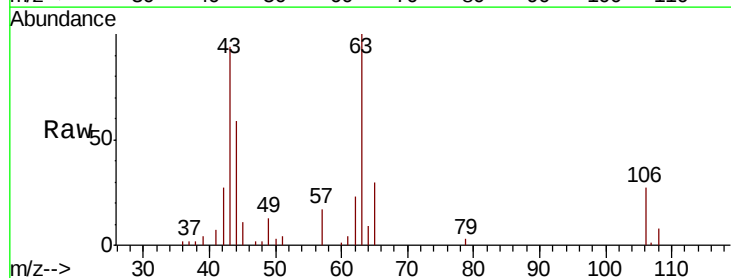
Acq: 6 Aug 2018 15:32

Tgt Ion: 63 Resp: 79216

Ion Ratio Lower Upper

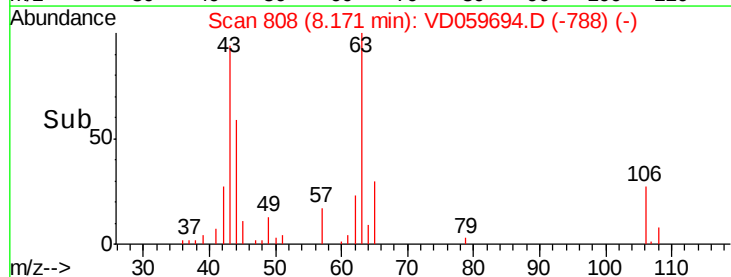
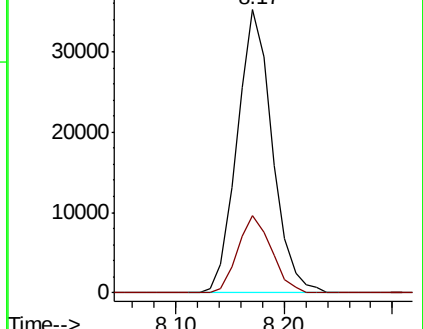
63 100

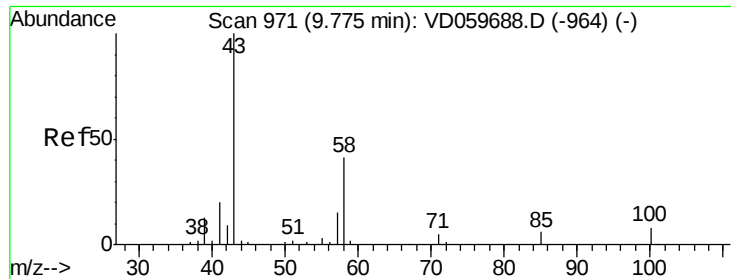
106 27.2 20.7 31.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

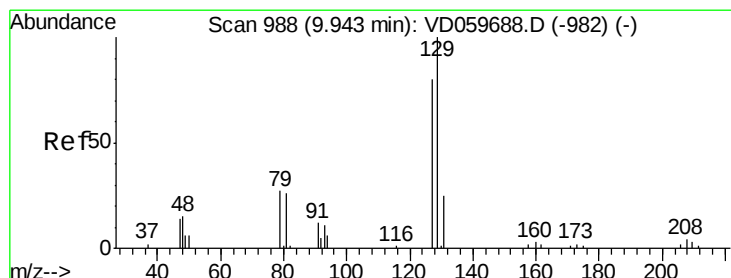
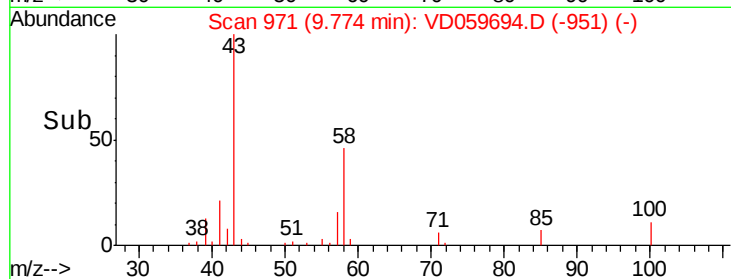
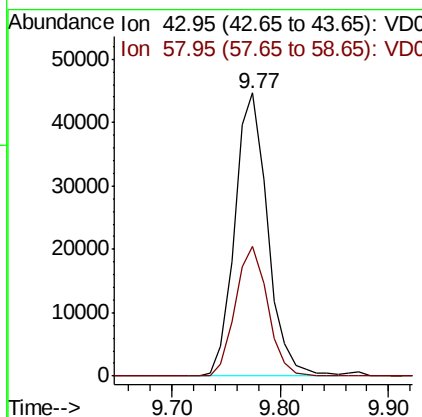
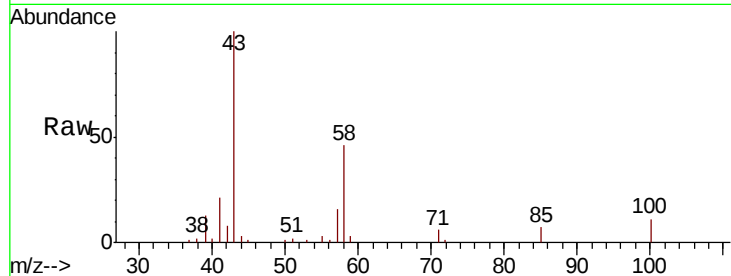




#59
2-Hexanone
Concen: 90.482 ug/l
RT: 9.77 min Scan# 971
Delta R.T. -0.00 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

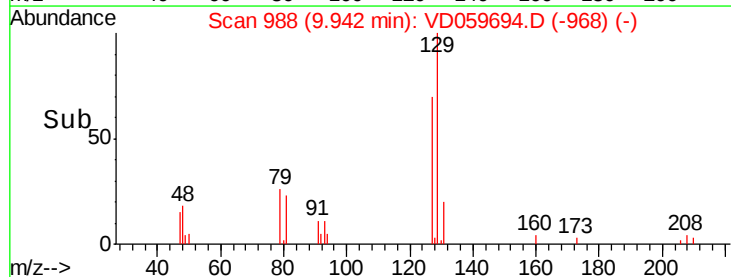
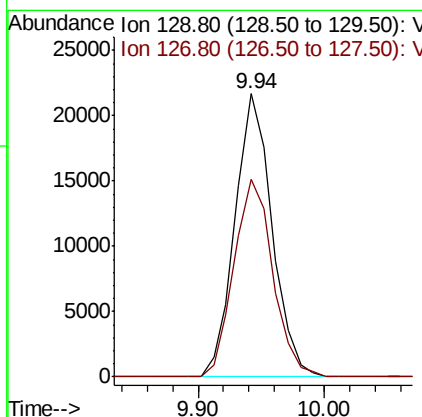
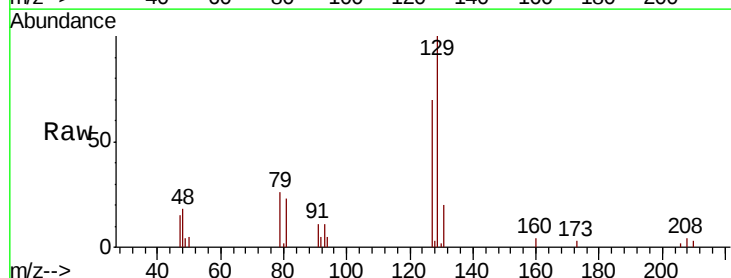
Instrument :
MSVOA_D
ClientSampleId :

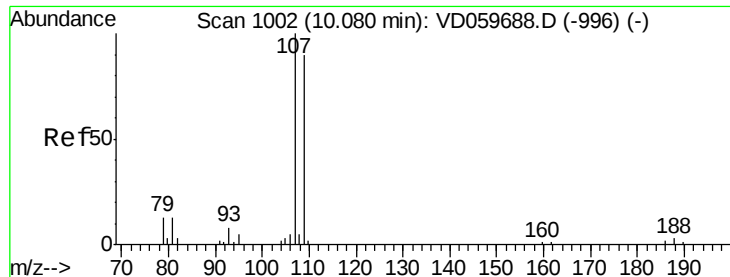
Tot Ion: 43 Resp: 93828
Ion Ratio Lower Upper
43 100
58 45.8 20.4 61.3



#60
Dibromochloromethane
Concen: 19.233 ug/l
RT: 9.94 min Scan# 988
Delta R.T. -0.00 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

Tgt Ion: 129 Resp: 43983
Ion Ratio Lower Upper
129 100
127 69.8 40.0 119.9





#61

1,2-Dibromoethane

Concen: 18.608 ug/l

RT: 10.08 min Scan# 1002

Delta R.T. -0.00 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

Instrument :

MSVOA_D

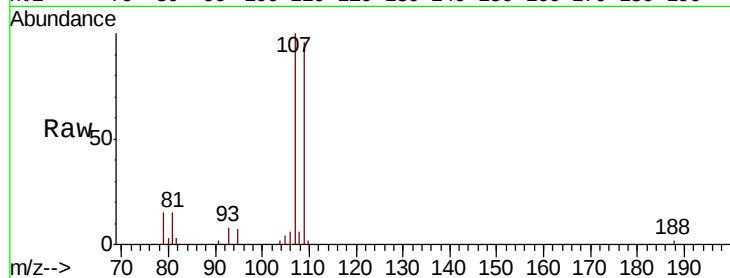
ClientSampleId :

Tot Ion:107 Resp: 30821

Ion Ratio Lower Upper

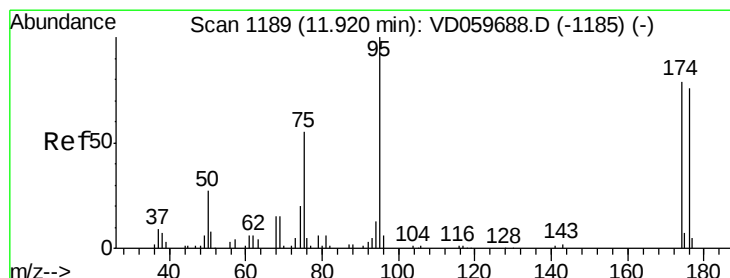
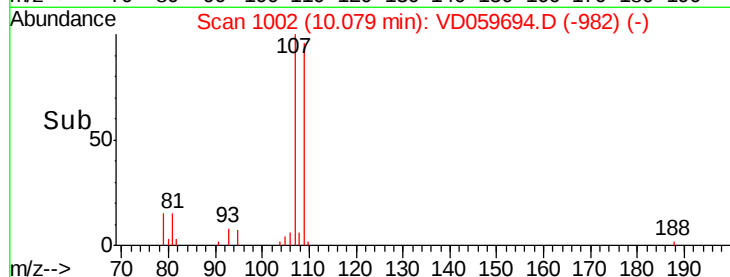
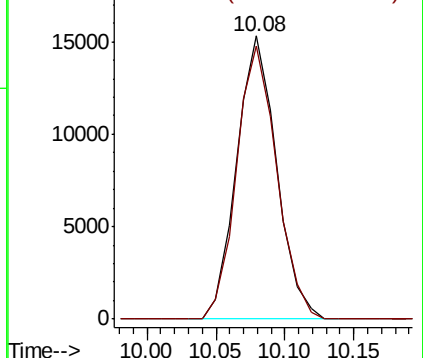
107 100

109 96.4 72.0 108.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 18.608 ug/l

RT: 11.92 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

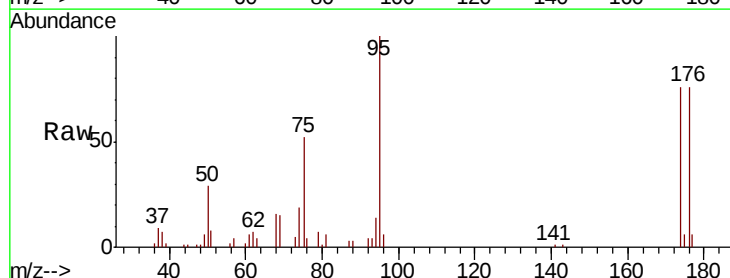
Tgt Ion: 95 Resp: 44957

Ion Ratio Lower Upper

95 100

174 75.6 0.0 158.4

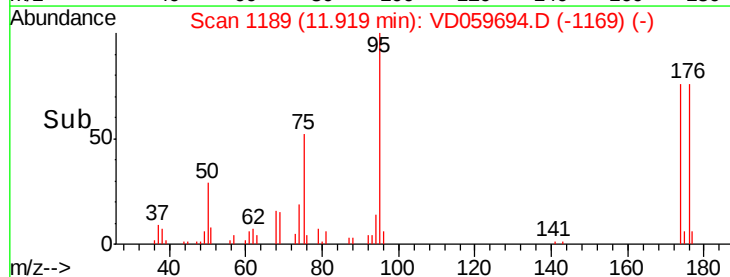
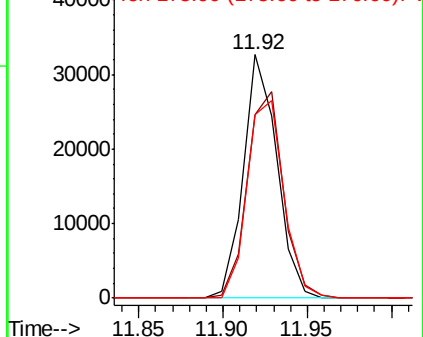
176 75.6 0.0 153.0

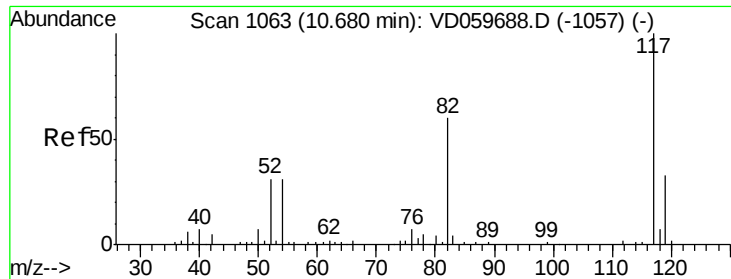


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.68 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

Instrument :

MSVOA_D

ClientSampleId :

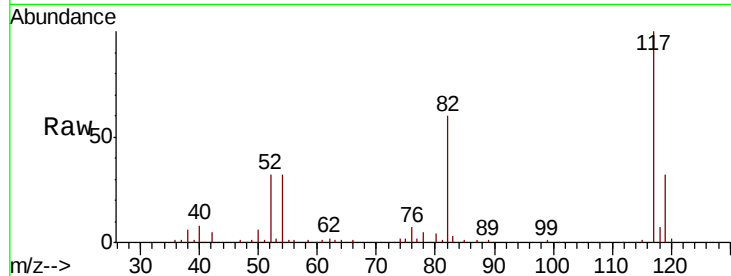
Tot Ion:117 Resp: 215260

Ion Ratio Lower Upper

117 100

82 59.7 47.7 71.5

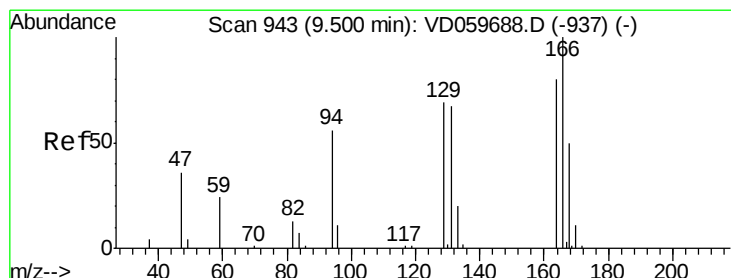
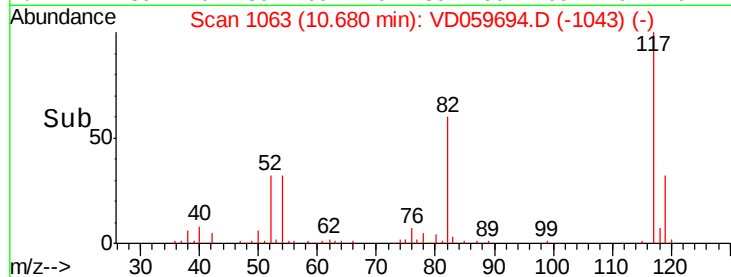
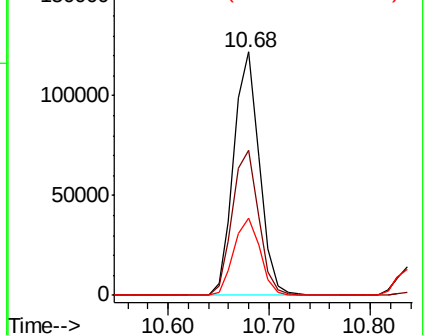
119 31.9 26.6 40.0



Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#64

Tetrachloroethene

Concen: 18.961 ug/l

RT: 9.50 min Scan# 943

Delta R.T. -0.00 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

Tgt Ion:164 Resp: 37995

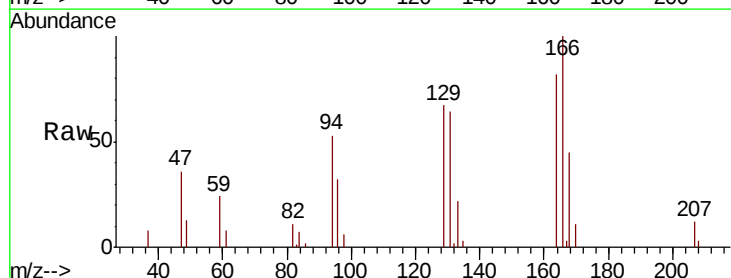
Ion Ratio Lower Upper

164 100

166 121.6 100.5 150.7

129 81.7 69.3 103.9

131 77.6 67.3 100.9

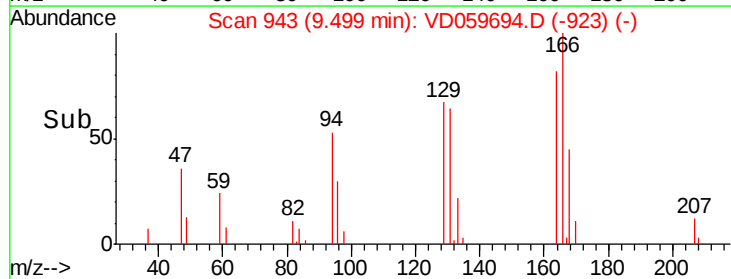
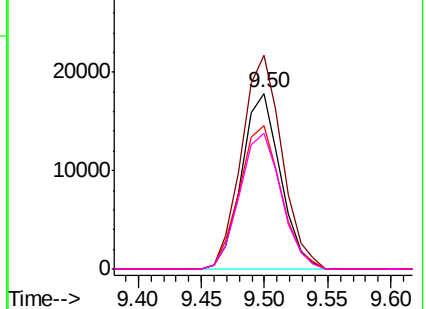


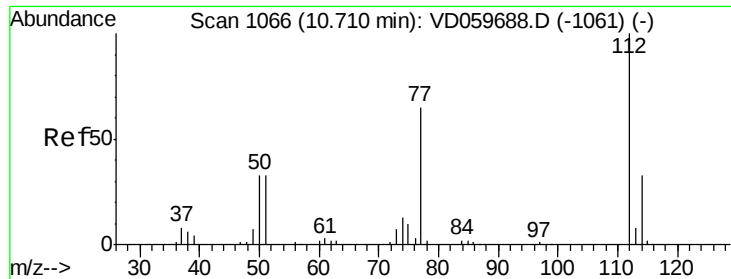
Abundance Ion 163.85 (163.55 to 164.55): V

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

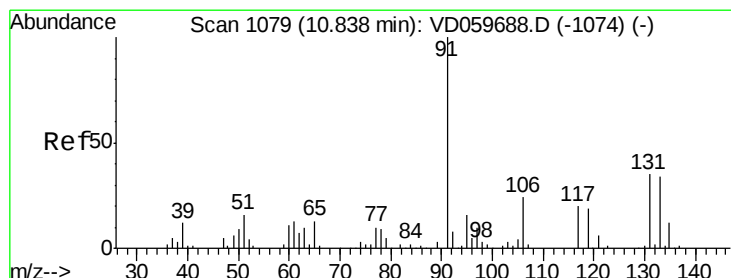
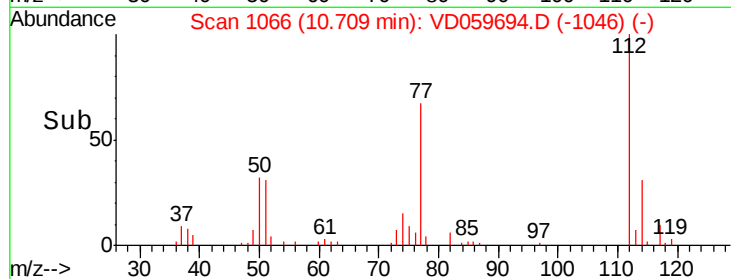
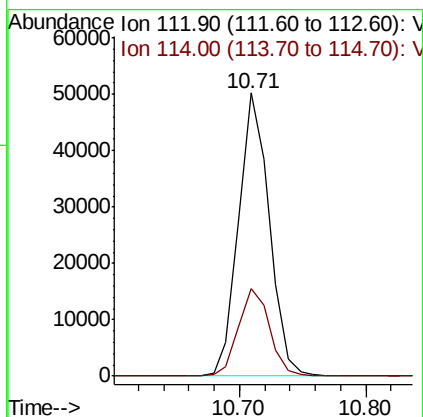
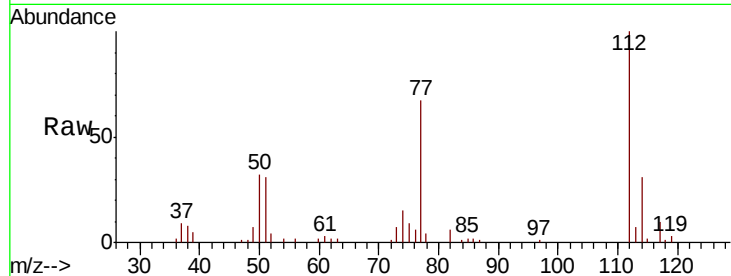




#65
Chlorobenzene
Concen: 19.343 ug/l
RT: 10.71 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

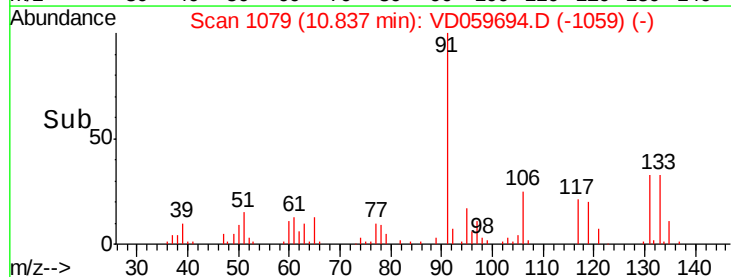
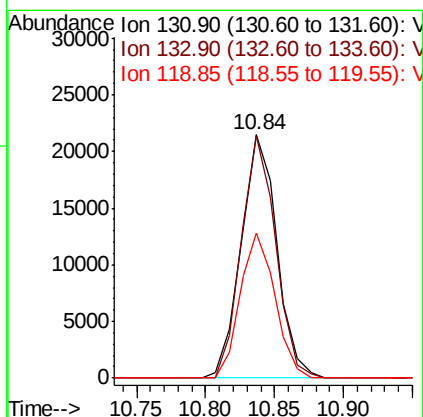
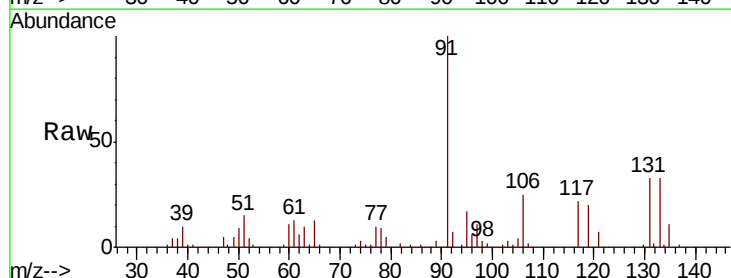
Instrument :
MSVOA_D
ClientSampled :

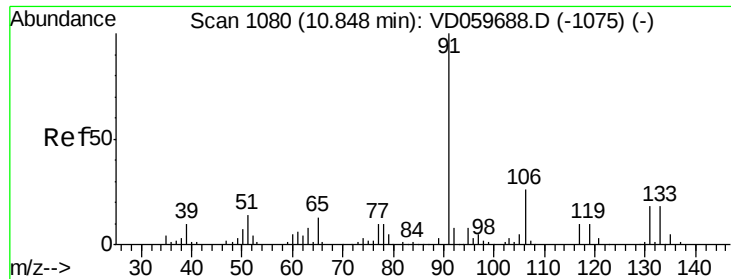
Tot Ion:112 Resp: 84514
Ion Ratio Lower Upper
112 100
114 31.0 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 19.792 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. -0.00 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

Tgt Ion:131 Resp: 38872
Ion Ratio Lower Upper
131 100
133 99.4 49.7 149.1
119 59.5 27.0 80.8

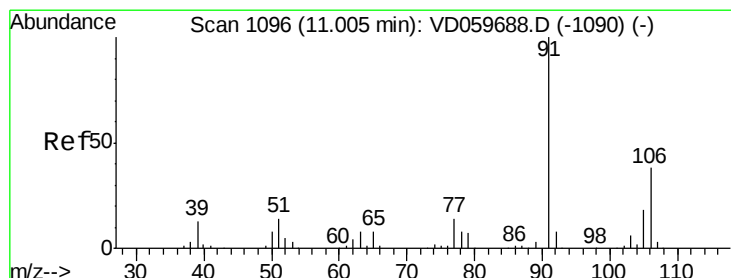
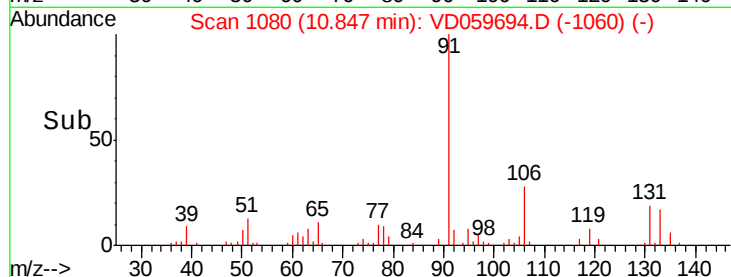
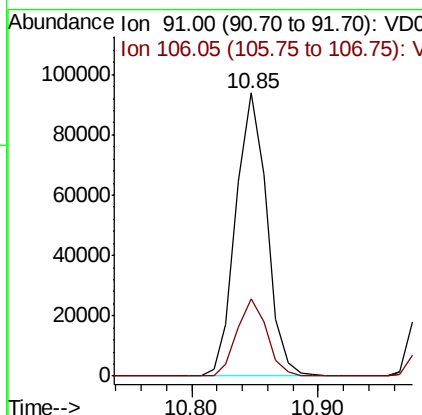
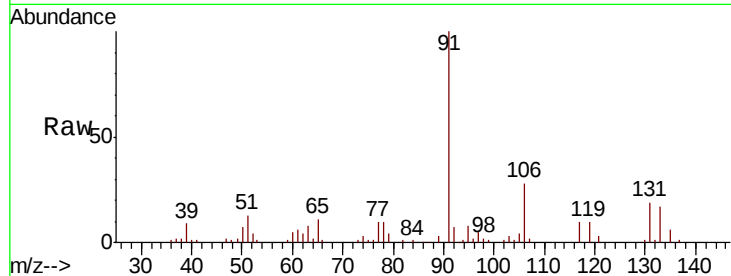




#67
Ethyl Benzene
Concen: 19.693 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

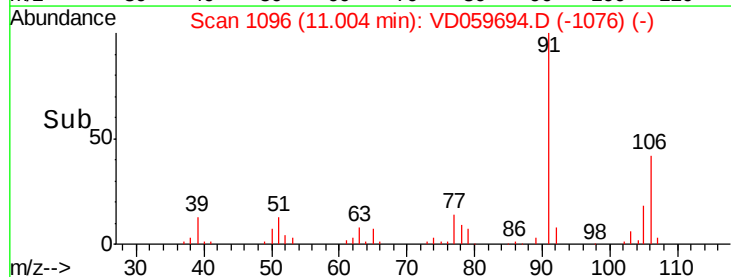
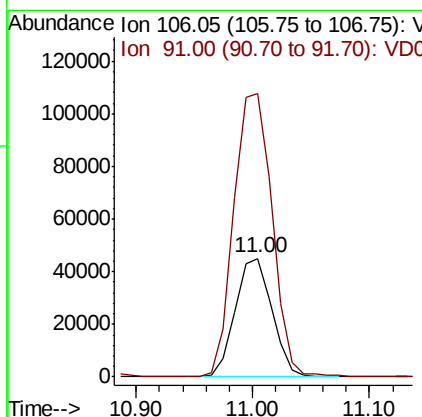
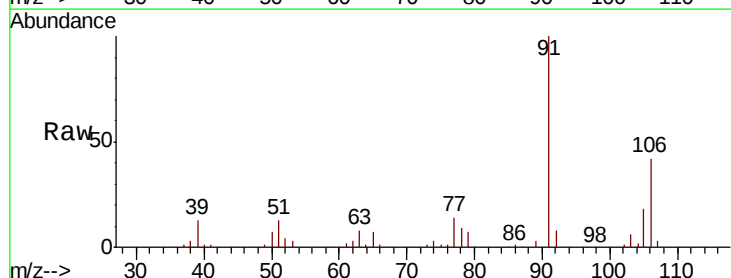
Instrument :
MSVOA_D
ClientSampled :

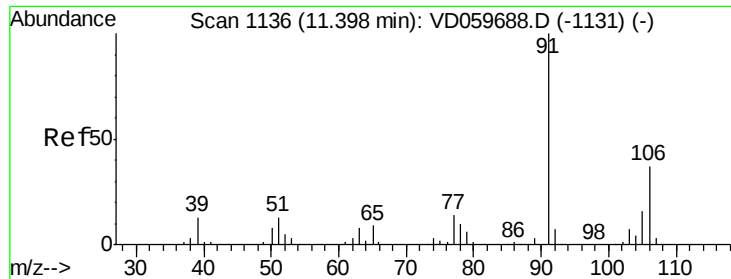
Tot Ion: 91 Resp: 159058
Ion Ratio Lower Upper
91 100
106 27.5 20.9 31.3



#68
m/p-Xylenes
Concen: 38.537 ug/l
RT: 11.00 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

Tgt Ion: 106 Resp: 98764
Ion Ratio Lower Upper
106 100
91 238.7 209.7 314.5

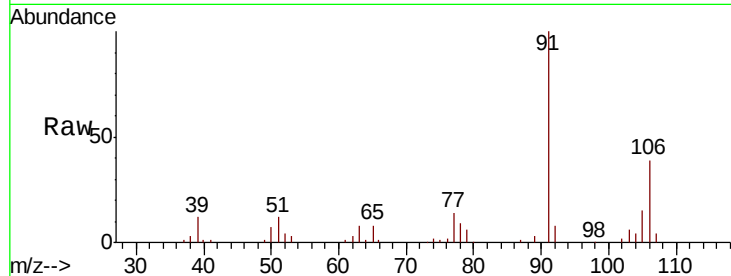




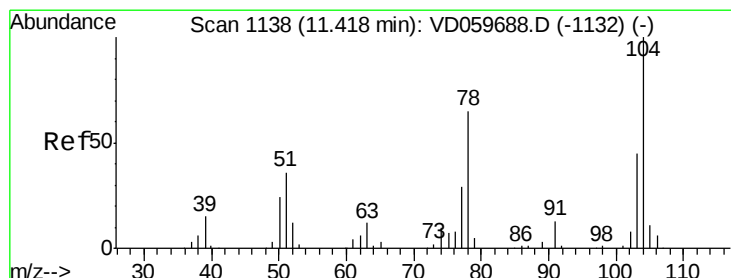
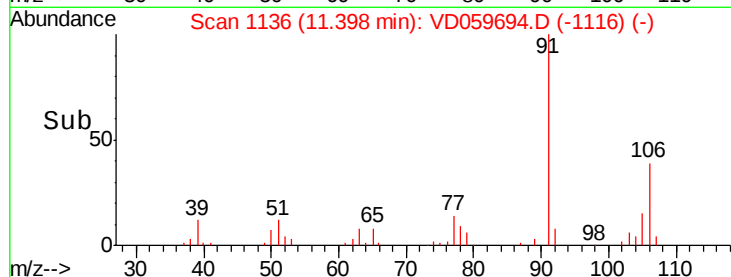
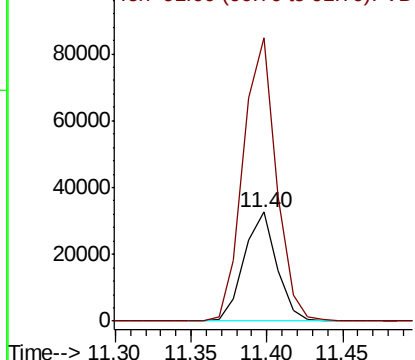
#69
o-Xylene
Concen: 19.519 ug/l
RT: 11.40 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 49049
Ion Ratio Lower Upper
106 100
91 259.7 135.2 405.6

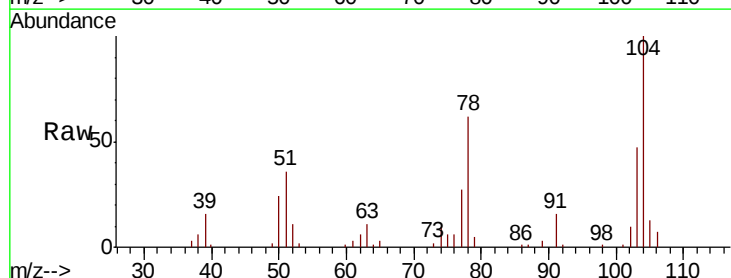


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

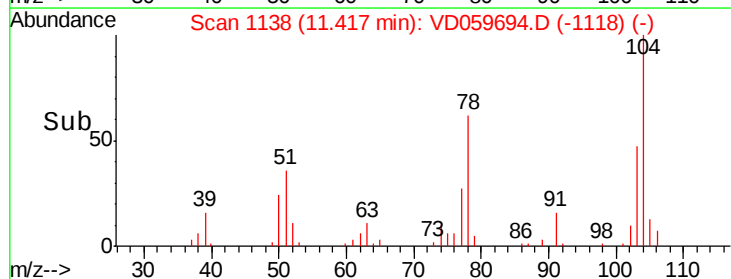
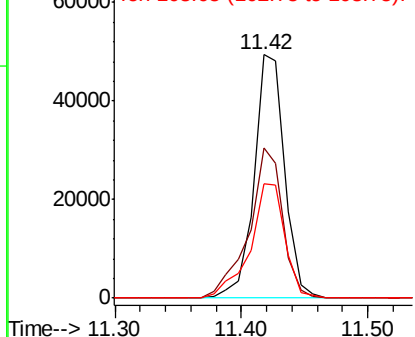


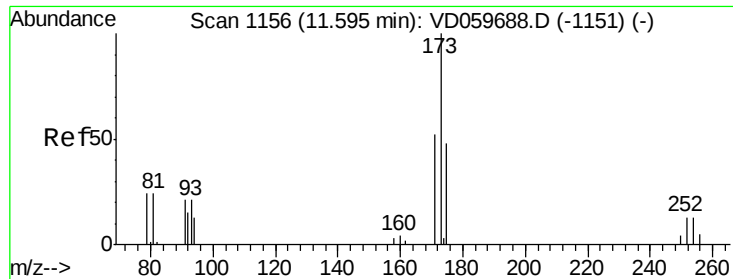
#70
Styrene
Concen: 19.922 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

Tgt Ion:104 Resp: 82827
Ion Ratio Lower Upper
104 100
78 61.9 51.9 77.9
103 47.2 36.2 54.4



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

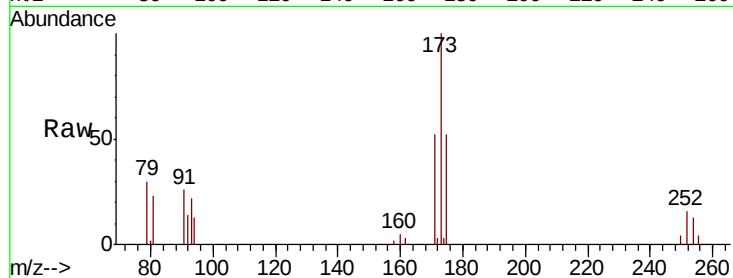




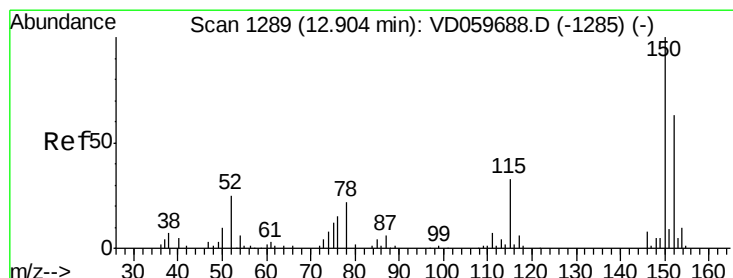
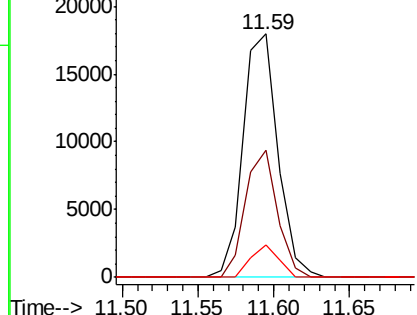
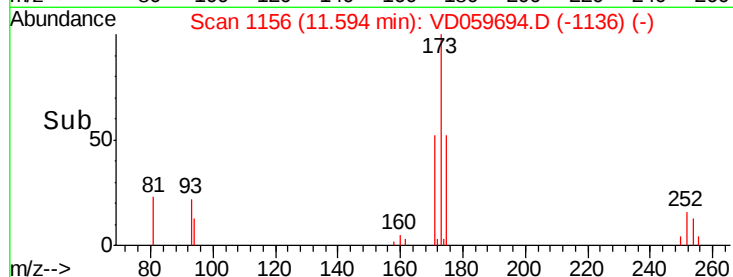
#71
Bromoform
Concen: 19.285 ug/l
RT: 11.59 min Scan# 1156
Delta R.T. -0.00 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion:173 Resp: 28636
Ion Ratio Lower Upper
173 100
175 52.2 24.1 72.4
254 13.3 10.6 16.0

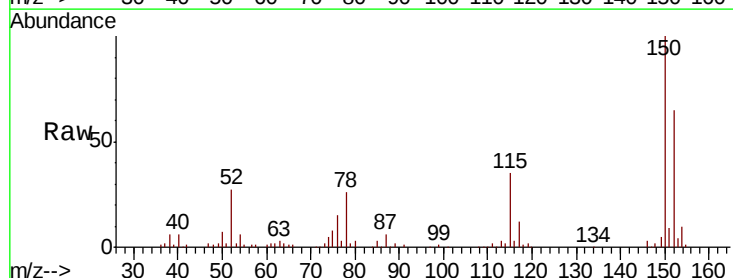


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

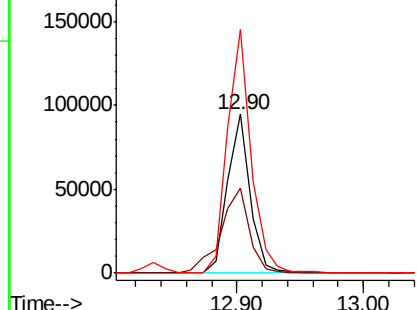
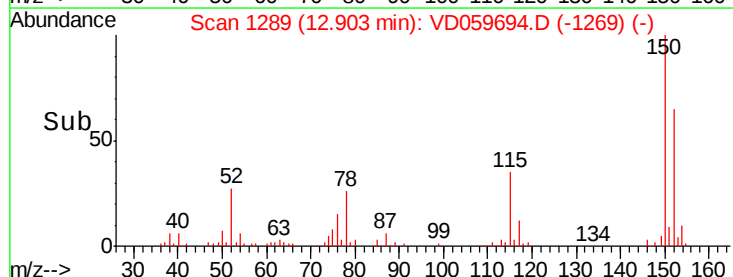


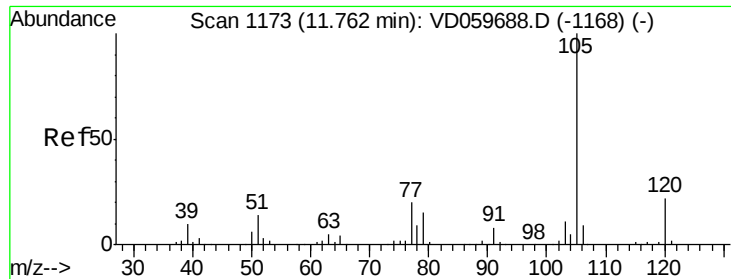
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

Tgt Ion:152 Resp: 116688
Ion Ratio Lower Upper
152 100
115 53.7 28.8 86.4
150 153.1 0.0 318.0



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: 19.514 ug/l

RT: 11.76 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

Instrument :

MSVOA_D

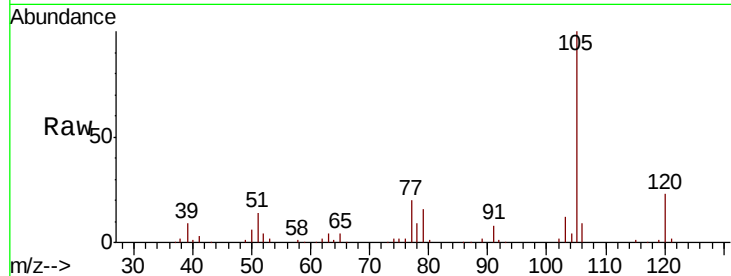
ClientSampleId :

Tot Ion:105 Resp: 154256

Ion Ratio Lower Upper

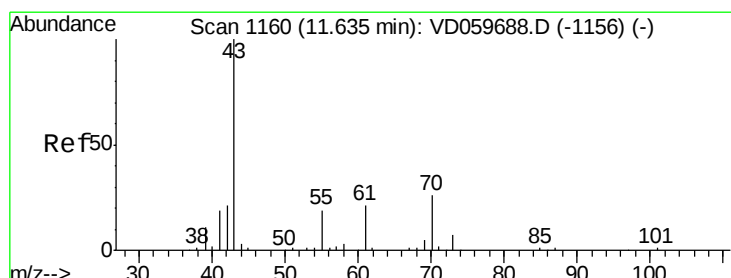
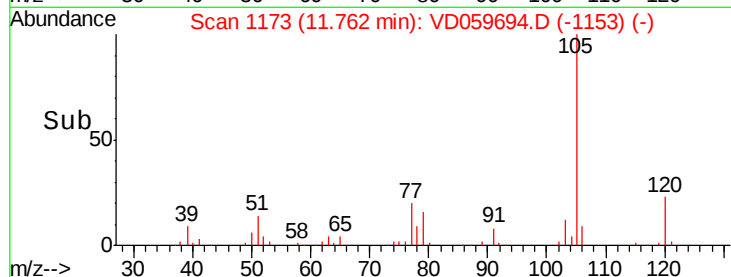
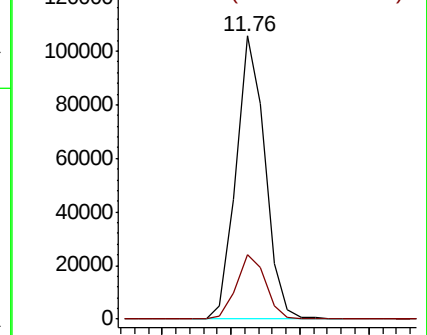
105 100

120 22.6 10.8 32.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 19.163 ug/l

RT: 11.63 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

Tgt Ion: 43 Resp: 47370

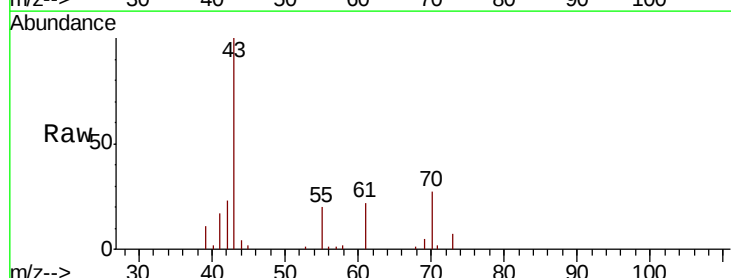
Ion Ratio Lower Upper

43 100

70 26.7 21.0 31.6

55 20.0 15.4 23.2

61 22.3 16.8 25.2

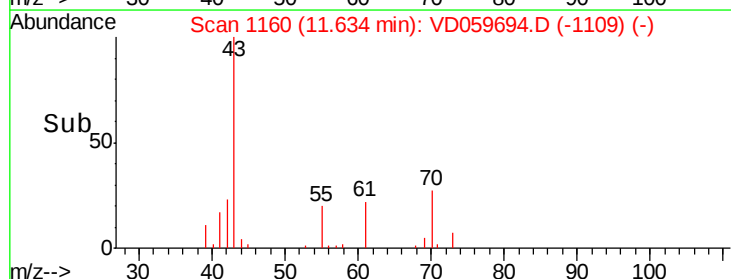
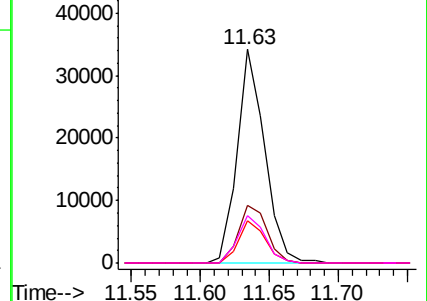


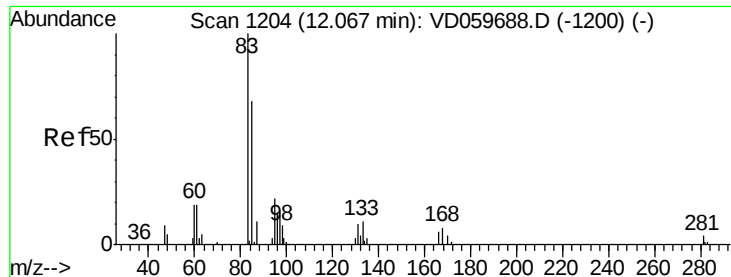
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 20.244 ug/l

RT: 12.07 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

Instrument :

MSVOA_D

ClientSampleId :

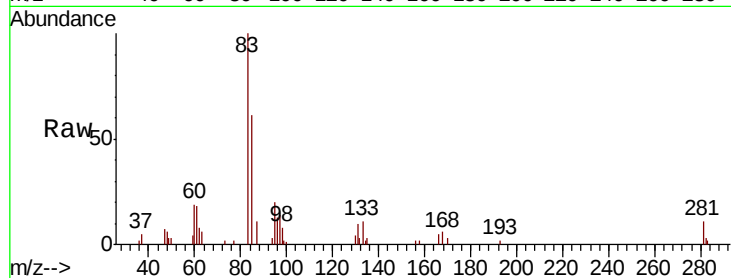
Tot Ion: 83 Resp: 31124

Ion Ratio Lower Upper

83 100

131 9.9 5.3 15.9

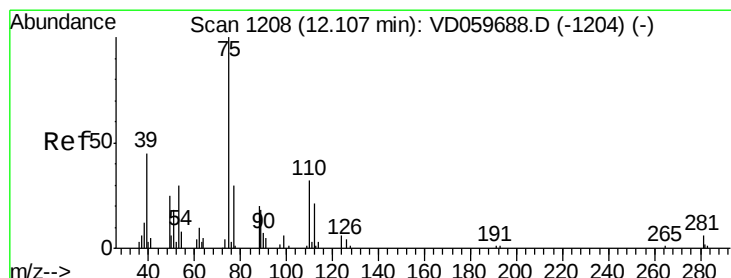
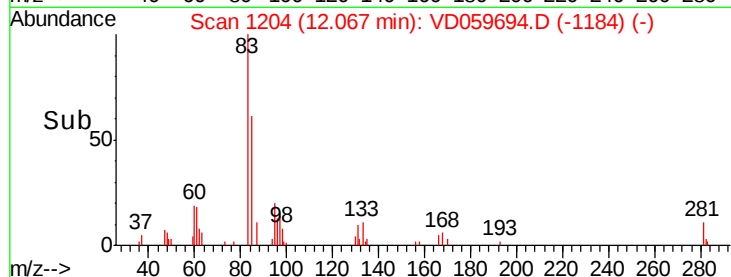
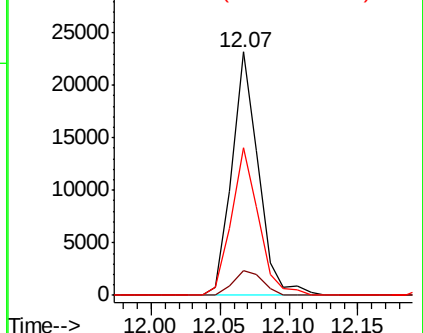
85 60.6 34.1 102.2



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 18.332 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VD059694.D

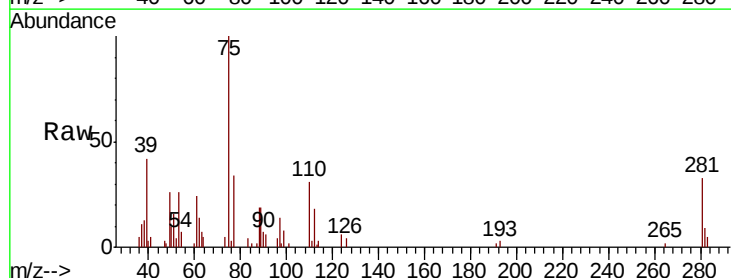
Acq: 6 Aug 2018 15:32

Tgt Ion: 75 Resp: 33211

Ion Ratio Lower Upper

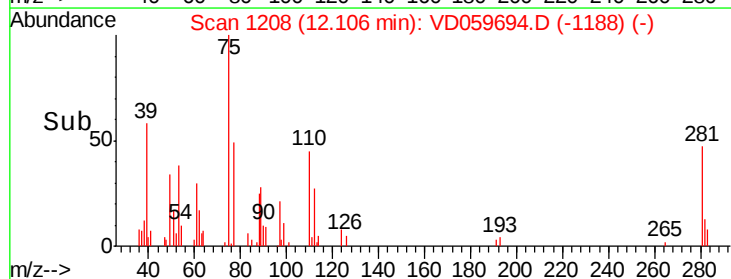
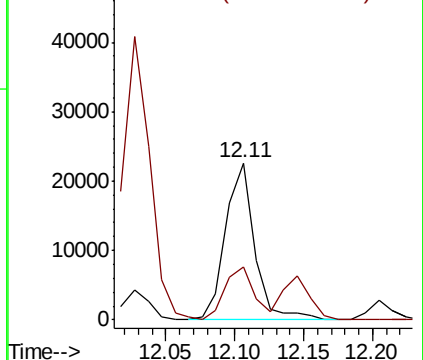
75 100

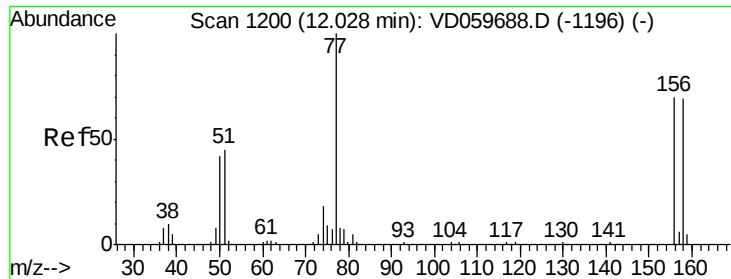
77 33.7 15.5 46.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

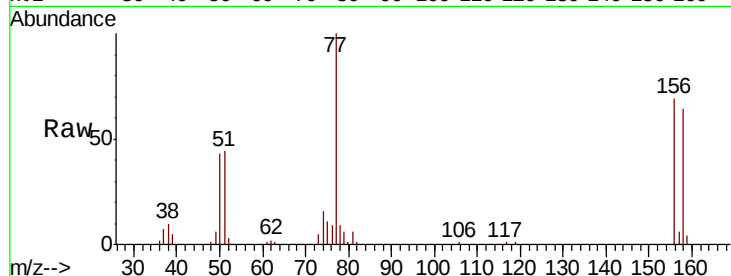




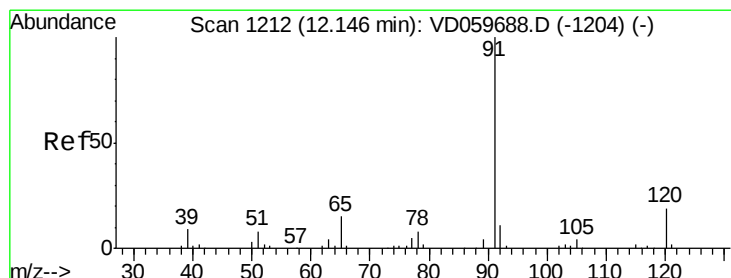
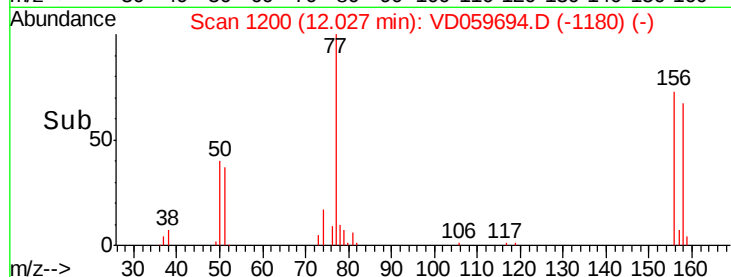
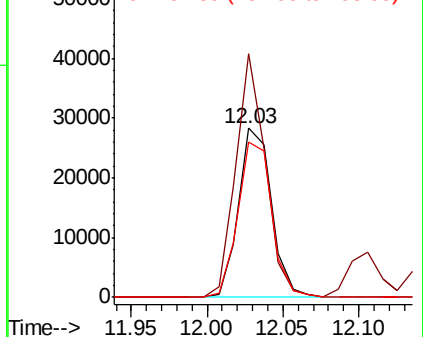
#77
Bromobenzene
Concen: 18.817 ug/l
RT: 12.03 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:156 Resp: 42672
Ion Ratio Lower Upper
156 100
77 144.3 71.2 213.6
158 91.8 49.1 147.3

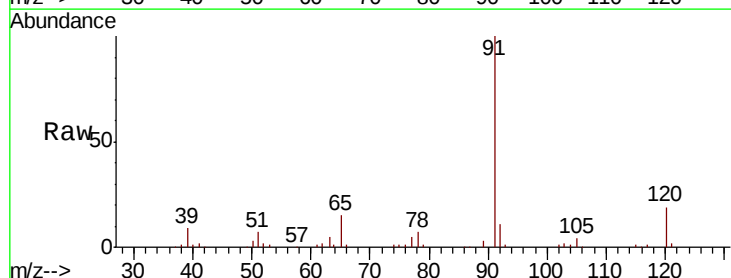


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): V
Ion 157.85 (157.55 to 158.55): V

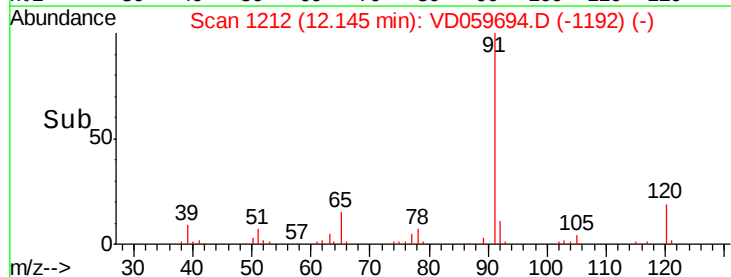
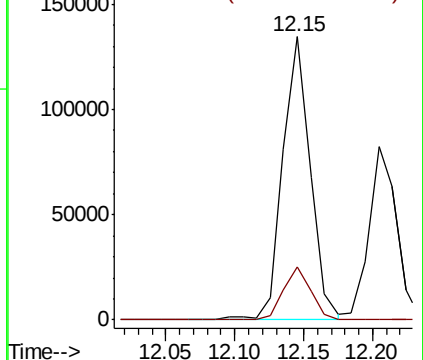


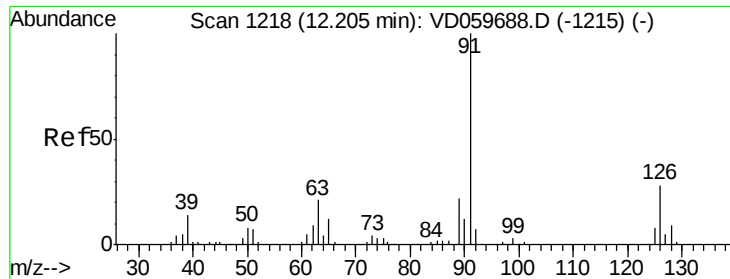
#78
n-propylbenzene
Concen: 18.872 ug/l
RT: 12.15 min Scan# 1212
Delta R.T. -0.00 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

Tgt Ion: 91 Resp: 184517
Ion Ratio Lower Upper
91 100
120 18.8 9.5 28.5



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

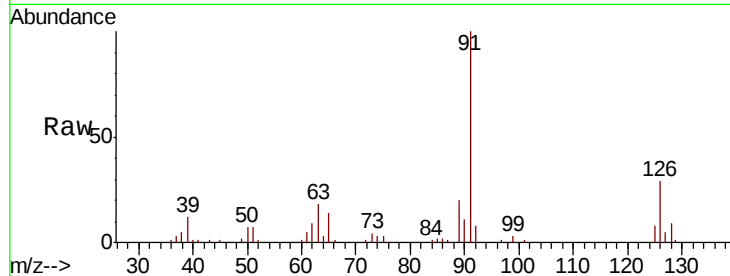




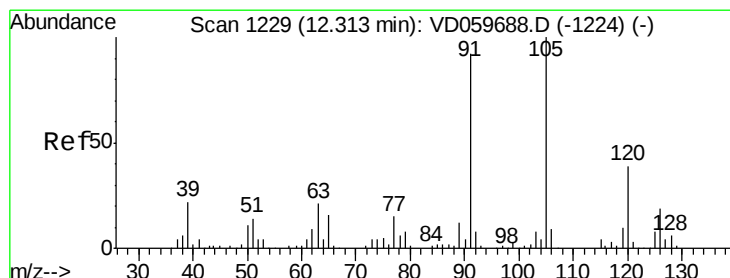
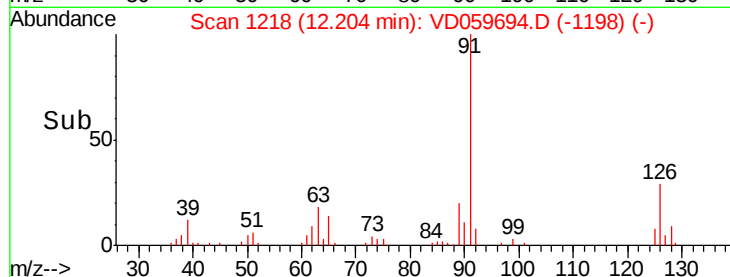
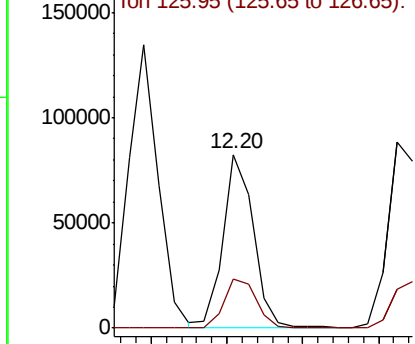
#79
 2-Chlorotoluene
 Concen: 19.434 ug/l
 RT: 12.20 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VD059694.D
 Acq: 6 Aug 2018 15:32

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 91 Resp: 114466
 Ion Ratio Lower Upper
 91 100
 126 28.6 13.7 41.0

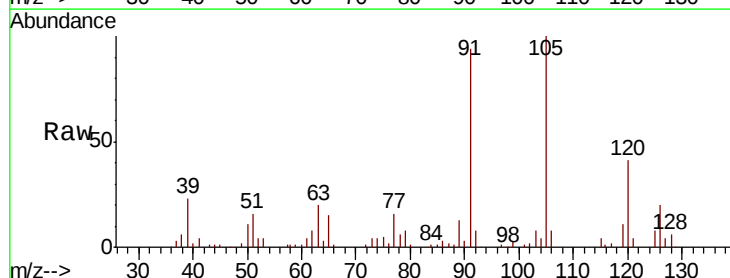


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

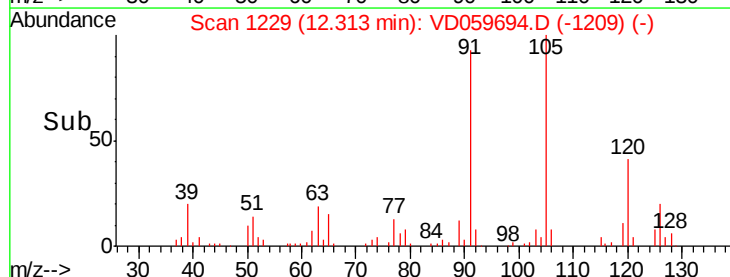
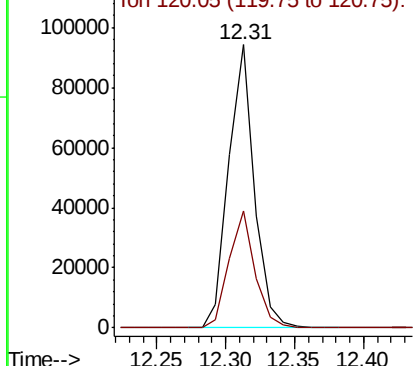


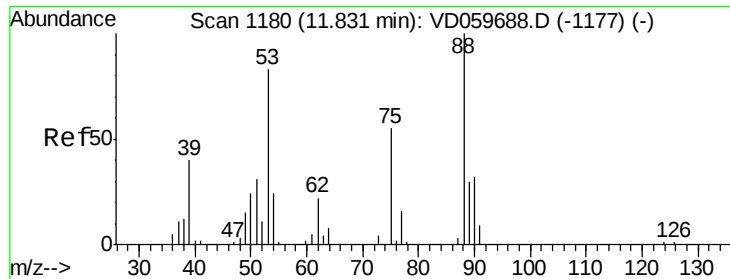
#80
 1,3,5-Trimethylbenzene
 Concen: 18.796 ug/l
 RT: 12.31 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VD059694.D
 Acq: 6 Aug 2018 15:32

Tgt Ion:105 Resp: 122124
 Ion Ratio Lower Upper
 105 100
 120 41.2 19.7 59.1



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V

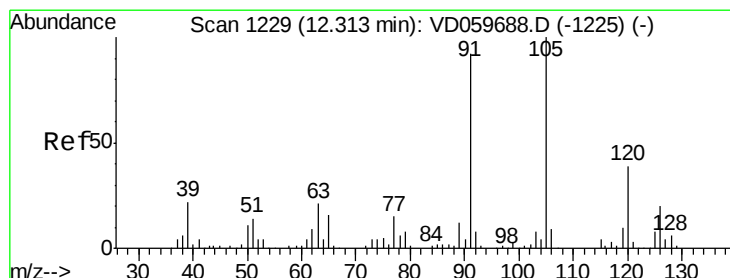
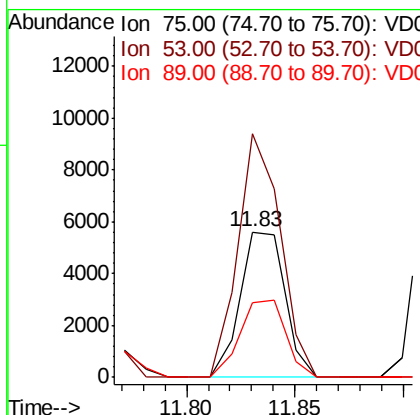
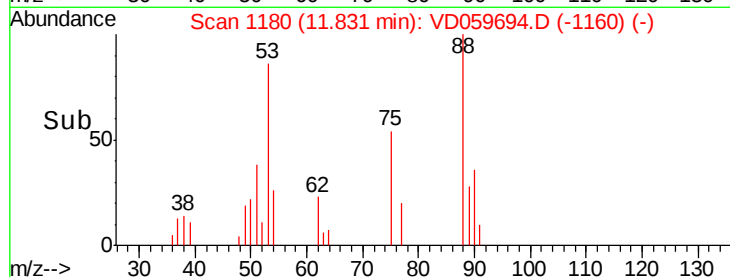
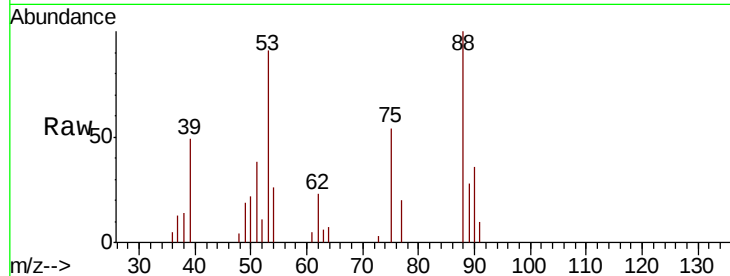




#81
trans-1,4-Dichloro-2-butene
Concen: 17.785 ug/l
RT: 11.83 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

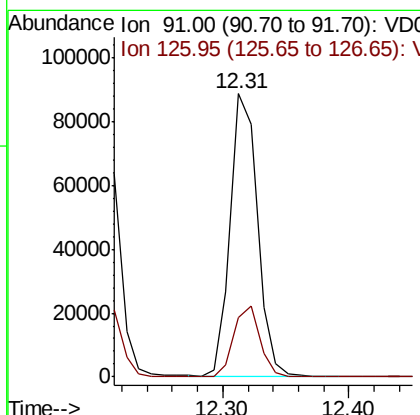
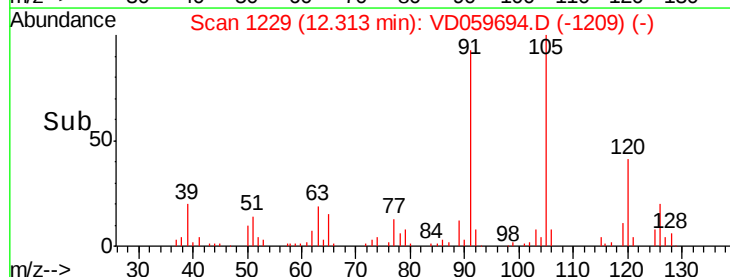
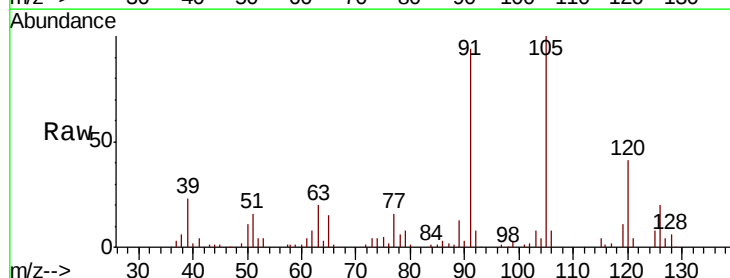
Instrument :
MSVOA_D
ClientSampled :

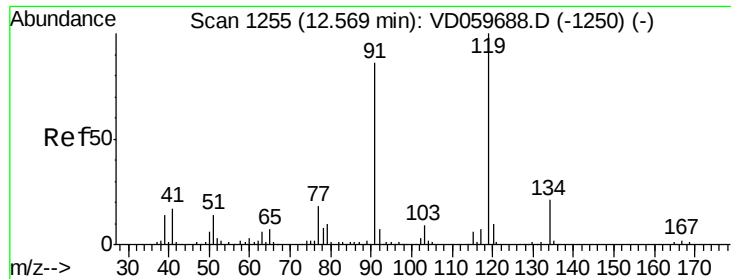
Tot Ion: 75 Resp: 8042
Ion Ratio Lower Upper
75 100
53 167.5 120.5 180.7
89 51.3 44.4 66.6



#82
4-Chlorotoluene
Concen: 19.310 ug/l
RT: 12.31 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

Tgt Ion: 91 Resp: 132955
Ion Ratio Lower Upper
91 100
126 20.8 10.7 31.9





#83

tert-Butylbenzene

Concen: 19.488 ug/l

RT: 12.57 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

Instrument :

MSVOA_D

ClientSampleId :

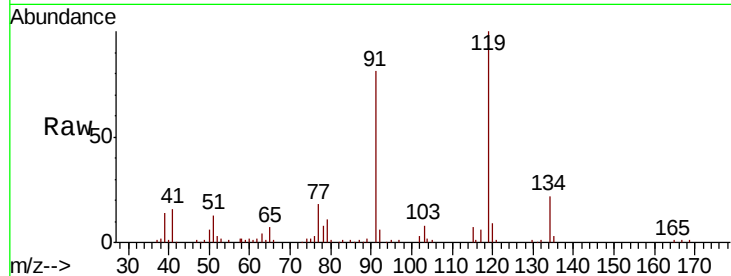
Tot Ion:119 Resp: 143063

Ion Ratio Lower Upper

119 100

91 81.3 43.3 129.9

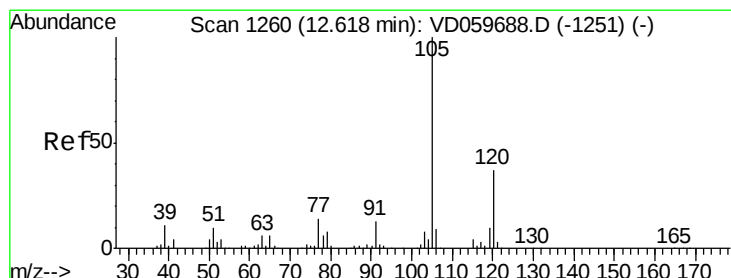
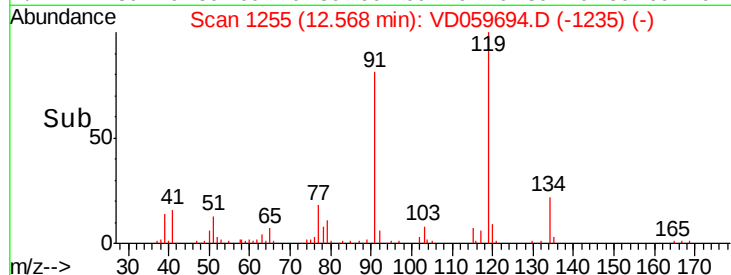
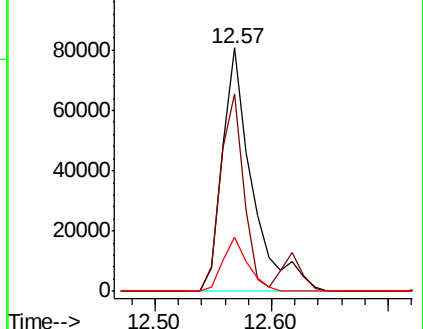
134 22.1 10.5 31.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 18.288 ug/l

RT: 12.62 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VD059694.D

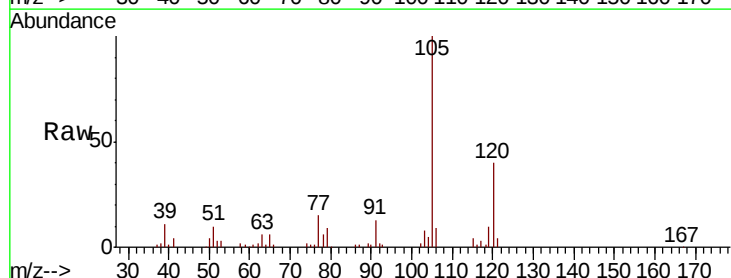
Acq: 6 Aug 2018 15:32

Tgt Ion:105 Resp: 125946

Ion Ratio Lower Upper

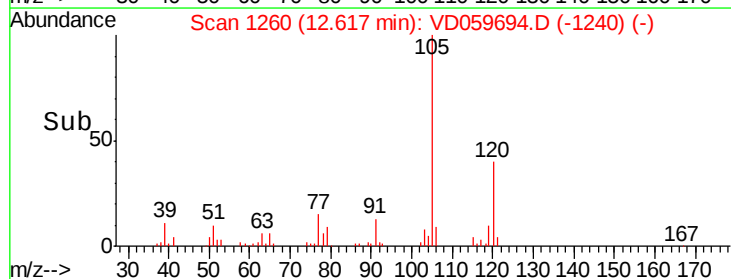
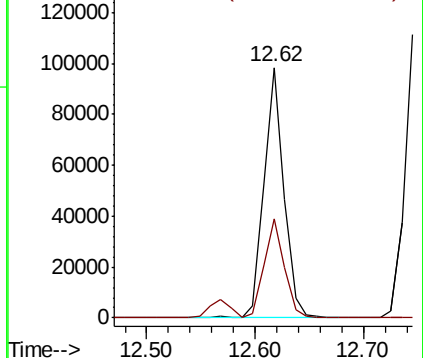
105 100

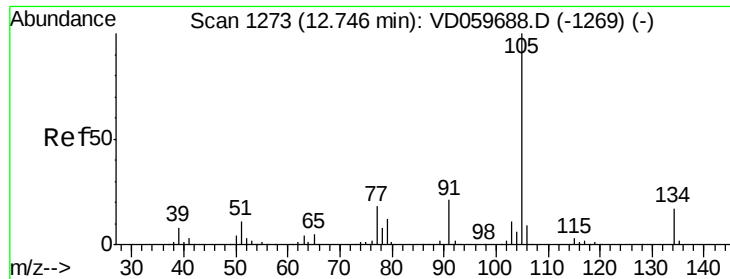
120 39.6 18.7 56.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 19.005 ug/l

RT: 12.75 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

Instrument :

MSVOA_D

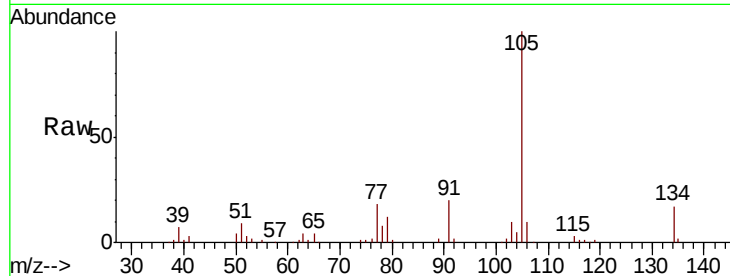
ClientSampleId :

Tot Ion:105 Resp: 153971

Ion Ratio Lower Upper

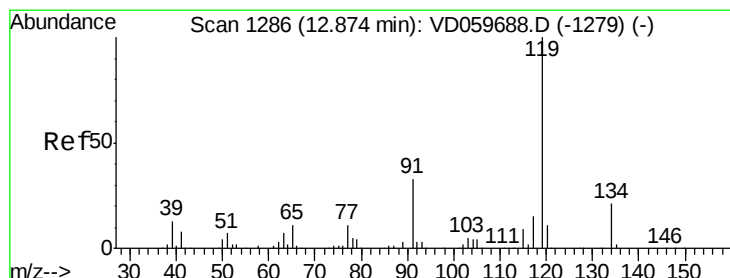
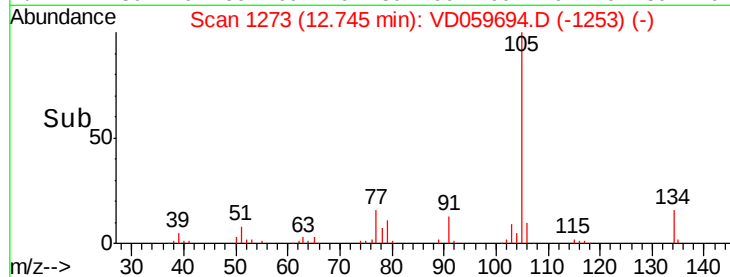
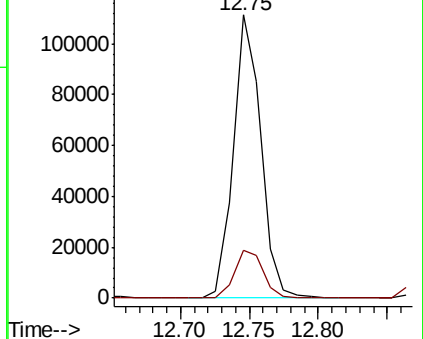
105 100

134 16.7 8.3 24.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 18.621 ug/l

RT: 12.87 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

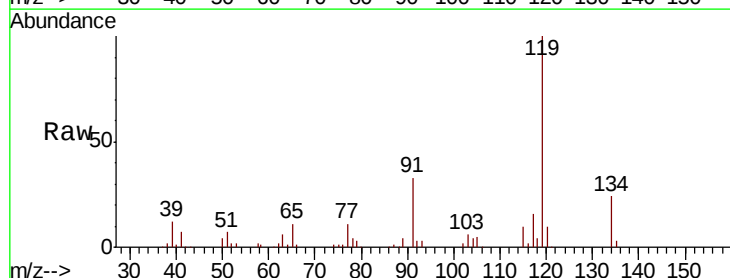
Tgt Ion:119 Resp: 130683

Ion Ratio Lower Upper

119 100

134 23.6 10.7 32.1

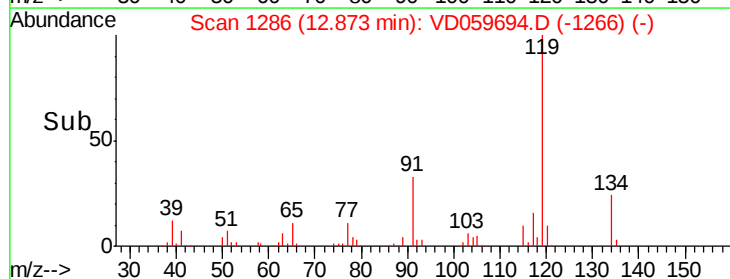
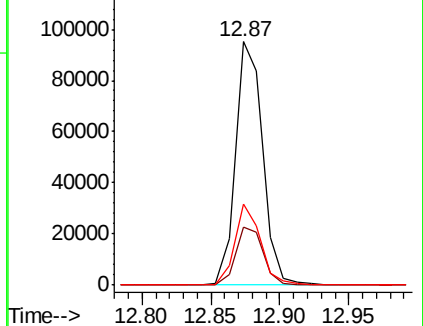
91 33.2 16.6 49.7

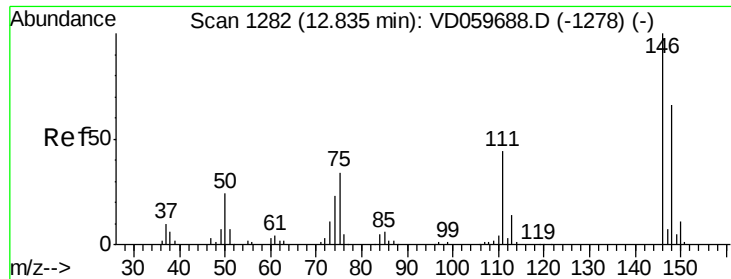


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

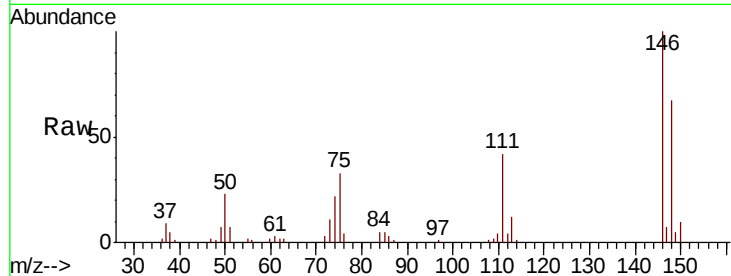




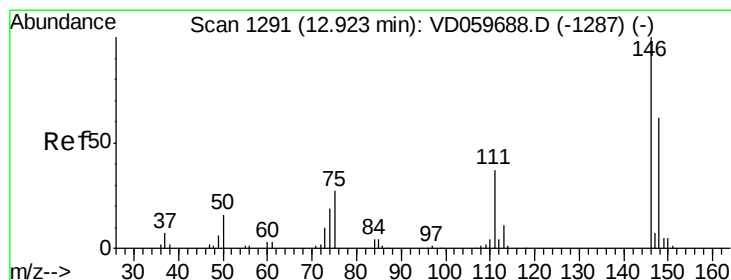
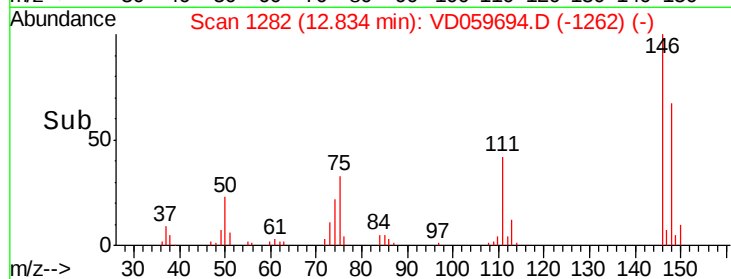
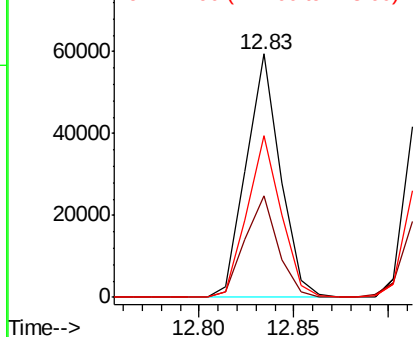
#87
 1,3-Dichlorobenzene
 Concen: 18.665 ug/l
 RT: 12.83 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VD059694.D
 Acq: 6 Aug 2018 15:32

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 74140
 Ion Ratio Lower Upper
 146 100
 111 41.7 21.8 65.4
 148 66.7 33.1 99.2

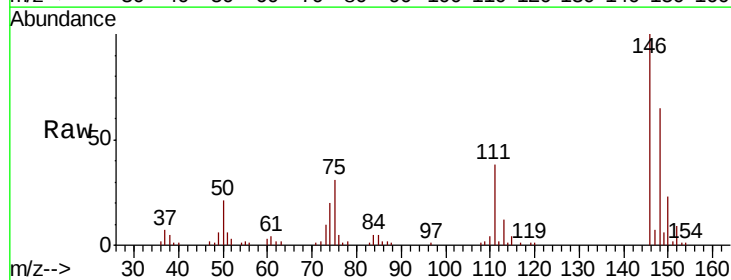


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

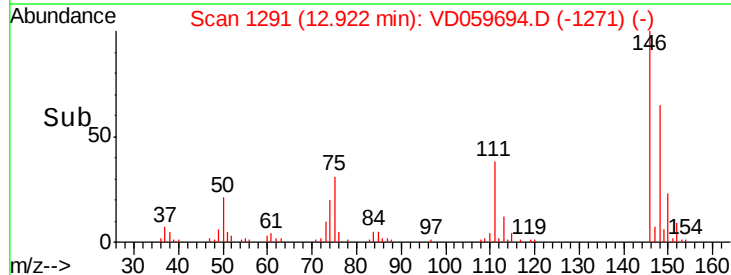
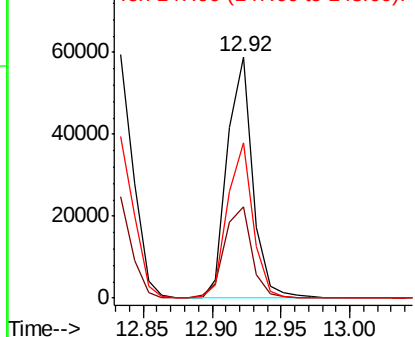


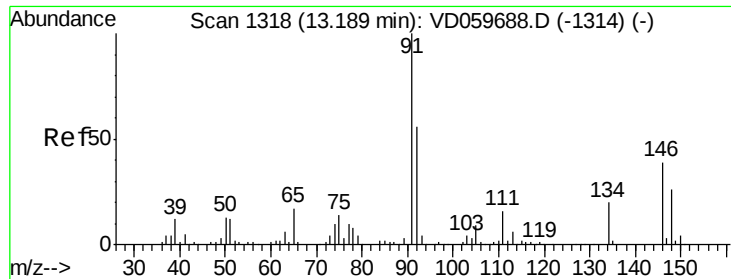
#88
 1,4-Dichlorobenzene
 Concen: 18.840 ug/l
 RT: 12.92 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VD059694.D
 Acq: 6 Aug 2018 15:32

Tgt Ion:146 Resp: 75144
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.6 55.8
 148 64.6 31.2 93.6



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

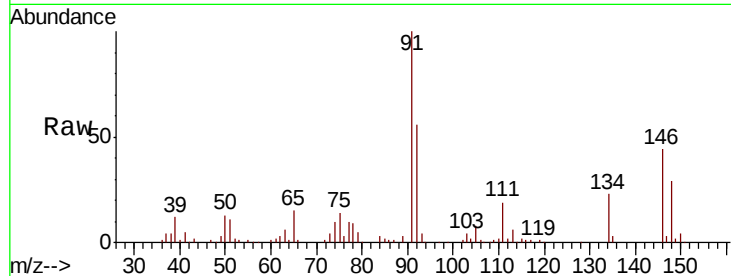




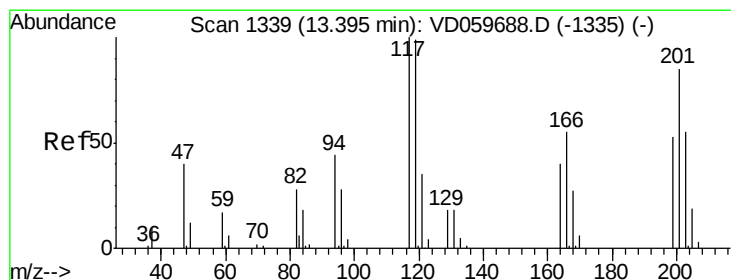
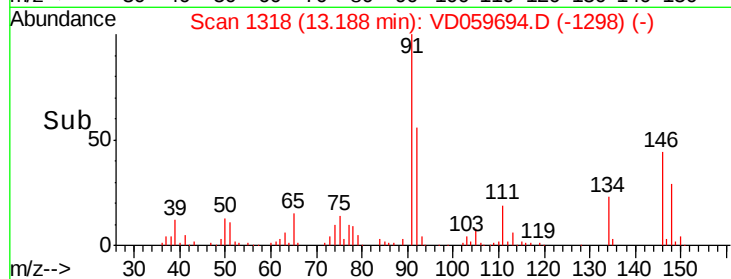
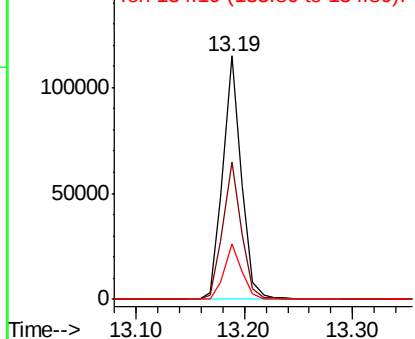
#89
n-Butylbenzene
Concen: 19.829 ug/l
RT: 13.19 min Scan# 1318
Delta R.T. -0.00 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 137263
Ion Ratio Lower Upper
91 100
92 56.4 28.2 84.6
134 22.5 9.8 29.5

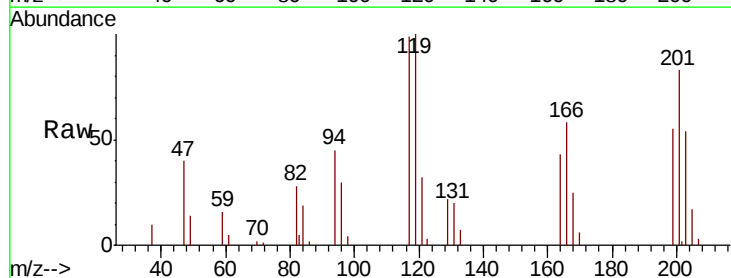


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.10 (133.80 to 134.80): V

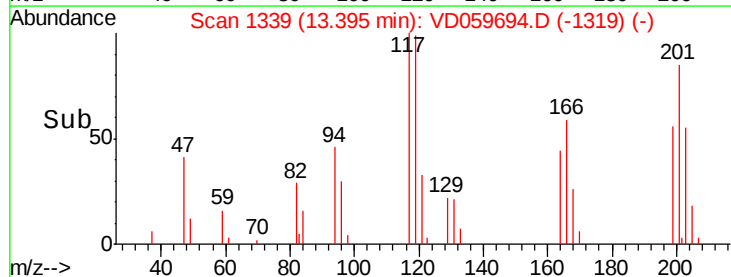
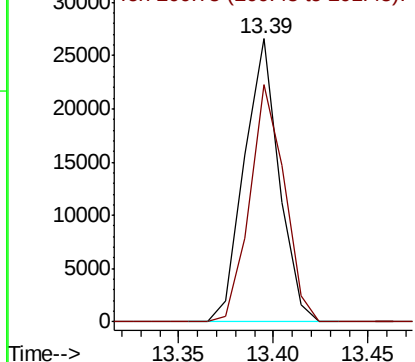


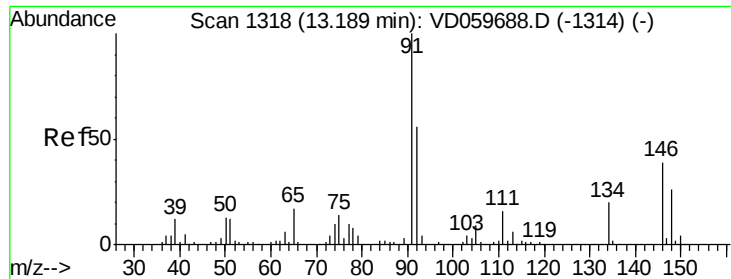
#90
Hexachloroethane
Concen: 18.378 ug/l
RT: 13.39 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

Tgt Ion: 117 Resp: 33675
Ion Ratio Lower Upper
117 100
201 84.0 42.4 127.1



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

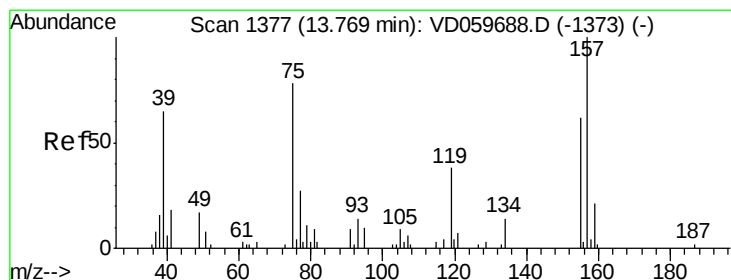
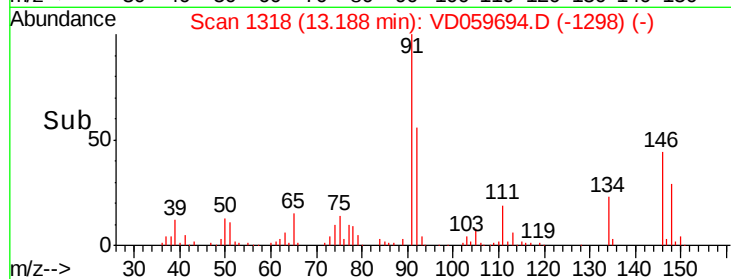
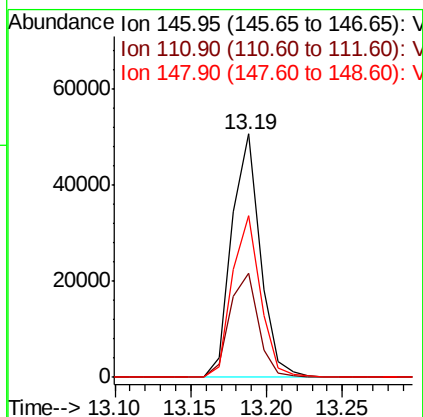
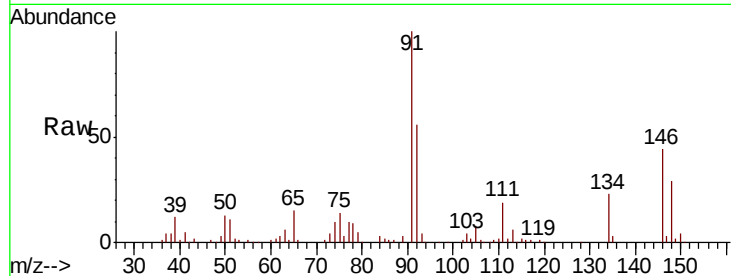




#91
 1,2-Dichlorobenzene
 Concen: 20.176 ug/l
 RT: 13.19 min Scan# 1318
 Delta R.T. -0.00 min
 Lab File: VD059694.D
 Acq: 6 Aug 2018 15:32

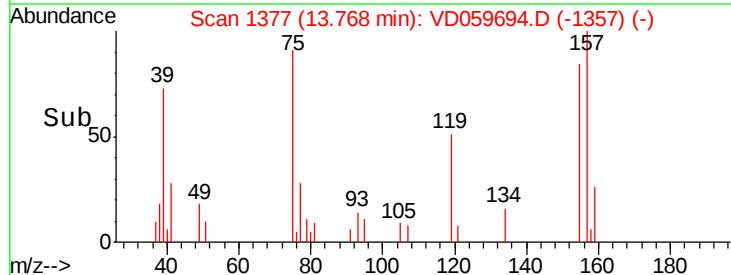
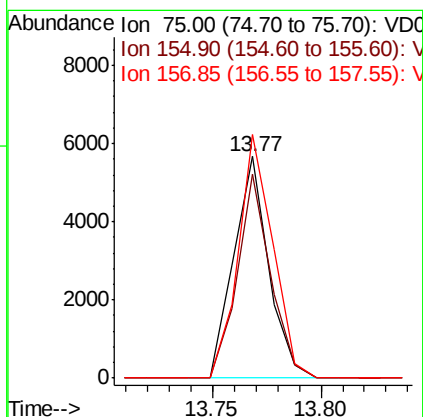
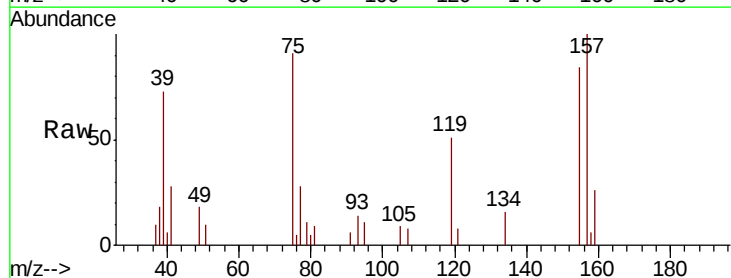
Instrument :
 MSVOA_D
 ClientSampleId :

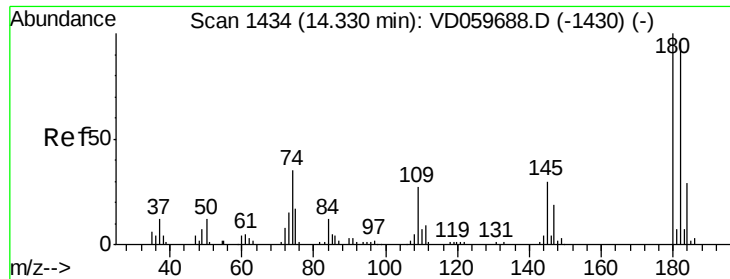
Tot Ion:146 Resp: 66094
 Ion Ratio Lower Upper
 146 100
 111 42.6 20.8 62.2
 148 66.3 33.4 100.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.874 ug/l
 RT: 13.77 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VD059694.D
 Acq: 6 Aug 2018 15:32

Tgt Ion: 75 Resp: 6360
 Ion Ratio Lower Upper
 75 100
 155 91.9 40.0 119.9
 157 110.0 64.3 192.7

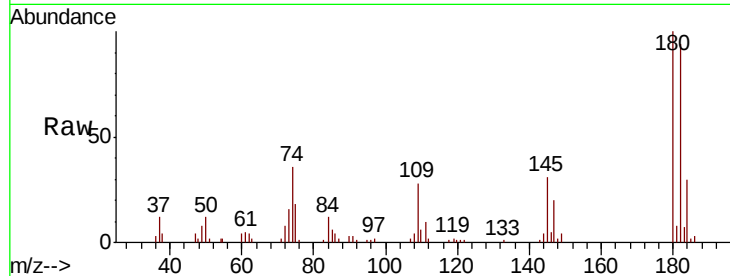




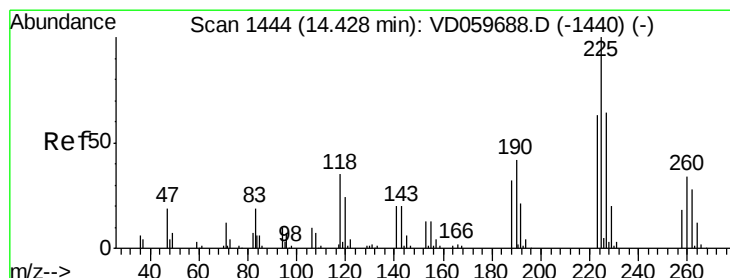
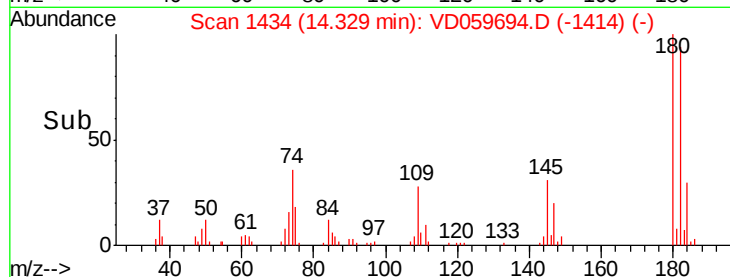
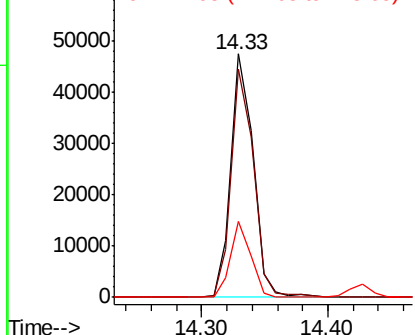
#93
 1,2,4-Trichlorobenzene
 Concen: 19.701 ug/l
 RT: 14.33 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VD059694.D
 Acq: 6 Aug 2018 15:32

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 57978
 Ion Ratio Lower Upper
 180 100
 182 94.0 48.0 144.0
 145 31.1 14.8 44.4

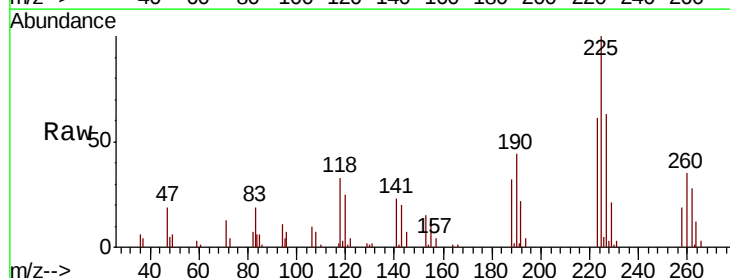


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

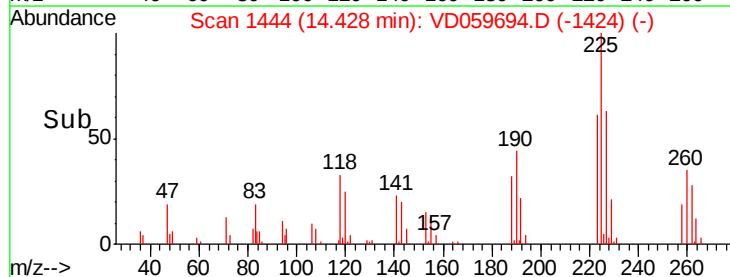
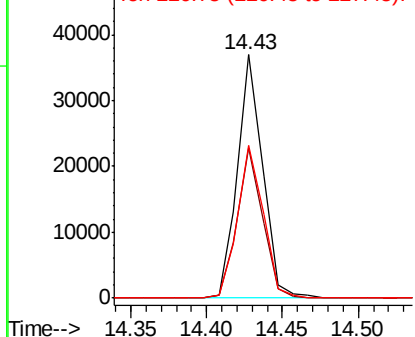


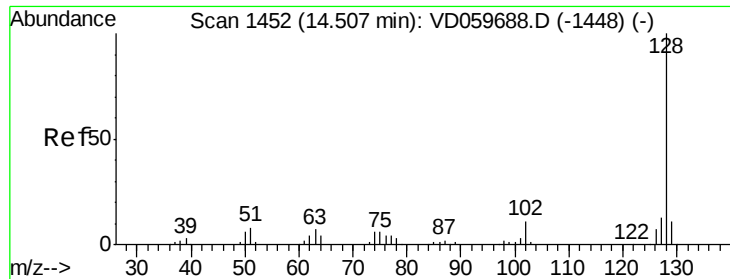
#94
 Hexachlorobutadiene
 Concen: 18.582 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: VD059694.D
 Acq: 6 Aug 2018 15:32

Tgt Ion:225 Resp: 42674
 Ion Ratio Lower Upper
 225 100
 223 61.5 31.4 94.3
 227 62.9 32.1 96.3



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





#95

Naphthalene

Concen: 19.308 ug/l

RT: 14.51 min Scan# 1452

Delta R.T. -0.00 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

Instrument :

MSVOA_D

ClientSampleId :

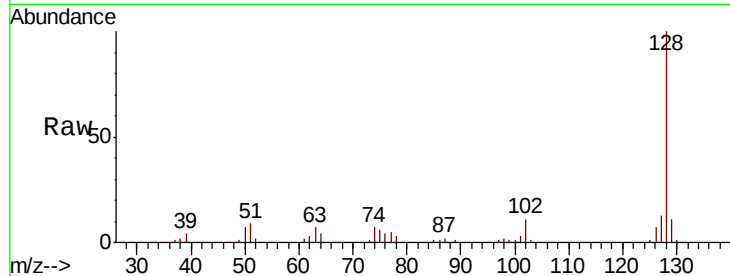
Tot Ion:128 Resp: 85020

Ion Ratio Lower Upper

128 100

127 12.8 10.6 16.0

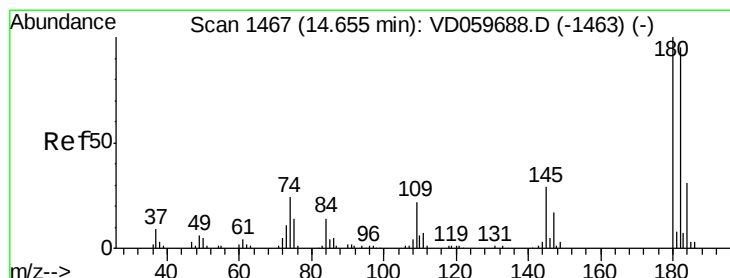
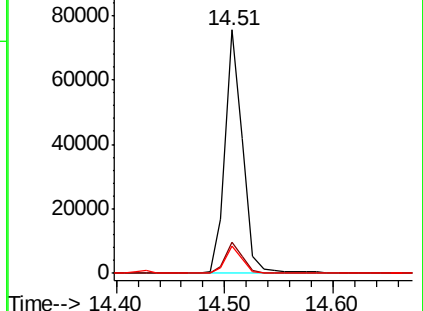
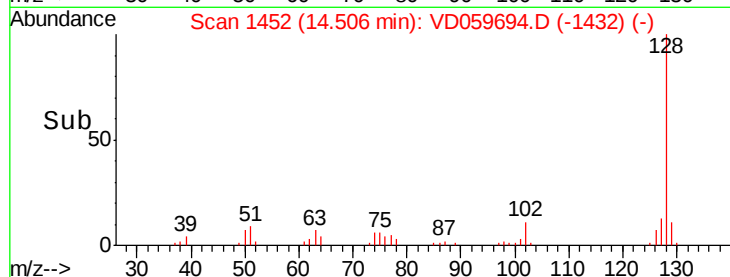
129 11.3 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.809 ug/l

RT: 14.65 min Scan# 1467

Delta R.T. -0.00 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

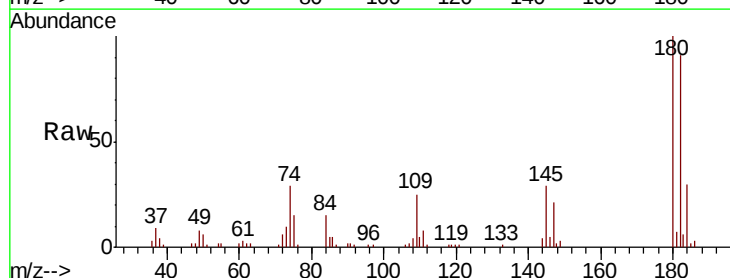
Tgt Ion:180 Resp: 49458

Ion Ratio Lower Upper

180 100

182 91.1 47.5 142.5

145 29.3 14.5 43.5



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

