

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080618\
 Data File : VD059693.D
 Acq On : 6 Aug 2018 14:28
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 07 04:02:06 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	5.61	168	201810	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.66	114	253668	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.67	117	199685	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	101190	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.99	65	52377	19.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.58%	
35) Dibromofluoromethane	5.52	113	48769	20.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.68%	
50) Toluene-d8	8.69	98	103486	20.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.64%	
62) 4-Bromofluorobenzene	11.92	95	46599	19.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.32	85	54049	19.224	ug/l	98
3) Chloromethane	1.45	50	21678	17.594	ug/l	93
4) Vinyl Chloride	1.52	62	26553	18.079	ug/l	99
5) Bromomethane	1.76	94	6185	12.034	ug/l	95
6) Chloroethane	1.84	64	8766	14.929	ug/l #	81
7) Trichlorofluoromethane	2.04	101	45029	18.953	ug/l	96
8) Diethyl Ether	2.32	74	8440	19.039	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.52	101	26625	19.412	ug/l	95
10) Methyl Iodide	2.65	142	24360	15.565	ug/l	100
11) Tert butyl alcohol	3.25	59	9274	99.809	ug/l #	76
12) 1,1-Dichloroethene	2.51	96	18041	17.790	ug/l	89
13) Acrolein	2.44	56	9287	104.700	ug/l	95
14) Allyl chloride	2.89	41	43088	18.705	ug/l	94
15) Acrylonitrile	3.32	53	23358	87.446	ug/l	94
16) Acetone	2.59	43	38716	78.874	ug/l	97
17) Carbon Disulfide	2.72	76	60685	16.917	ug/l	97
18) Methyl Acetate	2.90	43	15921	18.121	ug/l #	87
19) Methyl tert-butyl Ether	3.37	73	62339	15.977	ug/l	96
20) Methylene Chloride	3.03	84	30130	16.468	ug/l	83
21) trans-1,2-Dichloroethene	3.34	96	22243	16.172	ug/l	94
22) Diisopropyl ether	4.03	45	106289	20.210	ug/l	98
23) Vinyl Acetate	3.98	43	323511	98.556	ug/l	97
24) 1,1-Dichloroethane	3.93	63	64416	18.186	ug/l	98
25) 2-Butanone	4.80	43	53730	85.848	ug/l	100
26) 2,2-Dichloropropane	4.76	77	72677	18.895	ug/l	99
27) cis-1,2-Dichloroethene	4.77	96	38152	20.516	ug/l	99
28) Bromochloromethane	5.11	49	30889	23.527	ug/l	89
29) Tetrahydrofuran	5.15	42	24509	100.086	ug/l	97
30) Chloroform	5.29	83	85439	19.982	ug/l	99
31) Cyclohexane	5.56	56	47123	18.275	ug/l	92
32) 1,1,1-Trichloroethane	5.48	97	81830	19.527	ug/l	91
36) 1,1-Dichloropropene	5.70	75	55342	19.515	ug/l	95
37) Ethyl Acetate	4.89	43	26257	19.685	ug/l	98
38) Carbon Tetrachloride	5.69	117	73541	19.147	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.26	83	48682	20.740	ug/l	91
40) Benzene	5.98	78	105873	19.370	ug/l	99
41) Methacrylonitrile	5.09	41	12793	19.796	ug/l	95
42) 1,2-Dichloroethane	6.10	62	64915	19.288	ug/l	100
43) Isopropyl Acetate	7.59	43	34311	19.416	ug/l	91
44) Trichloroethene	6.95	130	37854	18.980	ug/l	100
45) 1,2-Dichloropropane	7.32	63	27594	19.542	ug/l	96
46) Dibromomethane	7.44	93	25468	20.494	ug/l	95
47) Bromodichloromethane	7.72	83	61597	19.331	ug/l	99
48) Methyl methacrylate	7.48	41	22052	18.836	ug/l	98
49) 1,4-Dioxane	7.47	88	3353	368.224	ug/l	89
51) 4-Methyl-2-Pentanone	8.58	43	113393	88.122	ug/l	92
52) Toluene	8.78	92	67853	19.706	ug/l	96
53) t-1,3-Dichloropropene	9.17	75	51800	19.195	ug/l	100
54) cis-1,3-Dichloropropene	8.34	75	51824	19.028	ug/l	97
55) 1,1,2-Trichloroethane	9.43	97	24097	18.250	ug/l	98
56) Ethyl methacrylate	9.30	69	27758	18.589	ug/l	94
57) 1,3-Dichloropropane	9.65	76	40335	18.995	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.16	63	76682	108.806	ug/l	98
59) 2-Hexanone	9.77	43	82681	84.898	ug/l	91
60) Dibromochloromethane	9.93	129	41266	19.214	ug/l	90
61) 1,2-Dibromoethane	10.07	107	28888	18.571	ug/l	100
64) Tetrachloroethene	9.49	164	36550	19.662	ug/l	97
65) Chlorobenzene	10.71	112	78728	19.424	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.83	131	36502	20.035	ug/l	97
67) Ethyl Benzene	10.84	91	150932	20.145	ug/l	98
68) m/p-Xylenes	11.00	106	93983	39.532	ug/l	100
69) o-Xylene	11.39	106	45052	19.327	ug/l	92
70) Styrene	11.42	104	76138	19.741	ug/l	92
71) Bromoform	11.59	173	25746	18.691	ug/l #	96
73) Isopropylbenzene	11.76	105	141805	20.686	ug/l	96
74) N-amyl acetate	11.64	43	42475	19.815	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	12.07	83	27887	20.917	ug/l	99
76) 1,2,3-Trichloropropane	12.10	75	30327	19.304	ug/l	98
77) Bromobenzene	12.03	156	38504	19.580	ug/l	88
78) n-propylbenzene	12.14	91	172708	20.370	ug/l	99
79) 2-Chlorotoluene	12.21	91	105390	20.633	ug/l	95
80) 1,3,5-Trimethylbenzene	12.31	105	114179	20.264	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.83	75	7362	18.775	ug/l	85
82) 4-Chlorotoluene	12.32	91	125967	21.097	ug/l	90
83) tert-Butylbenzene	12.56	119	126105	19.809	ug/l	96
84) 1,2,4-Trimethylbenzene	12.61	105	120050	20.102	ug/l	99
85) sec-Butylbenzene	12.75	105	136428	19.418	ug/l	99
86) p-Isopropyltoluene	12.88	119	118512	19.473	ug/l	96
87) 1,3-Dichlorobenzene	12.83	146	72320	20.996	ug/l	97
88) 1,4-Dichlorobenzene	12.92	146	66350	19.183	ug/l	95
89) n-Butylbenzene	13.19	91	127685	21.271	ug/l	97
90) Hexachloroethane	13.39	117	30505	19.198	ug/l	81
91) 1,2-Dichlorobenzene	13.18	146	61821	21.762	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.76	75	5645	19.318	ug/l	72

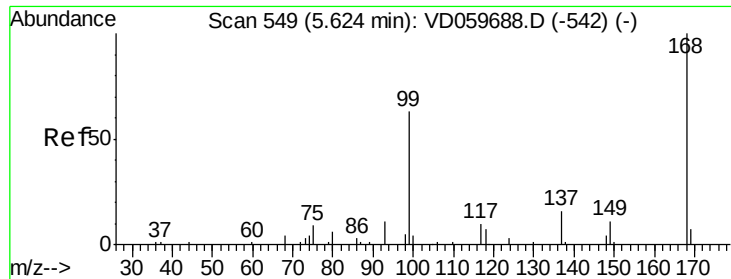
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	51387	20.136	ug/l	97
94) Hexachlorobutadiene	14.43	225	41306	20.741	ug/l	97
95) Naphthalene	14.51	128	75646	19.811	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	45531	19.967	ug/l	95

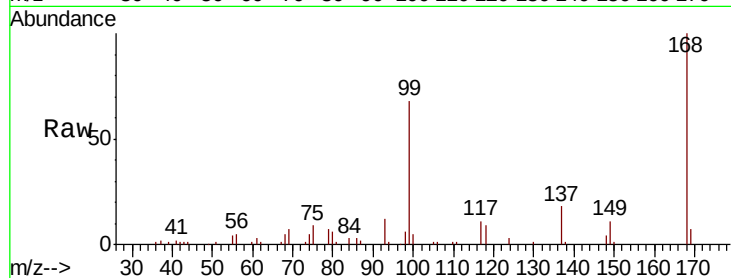
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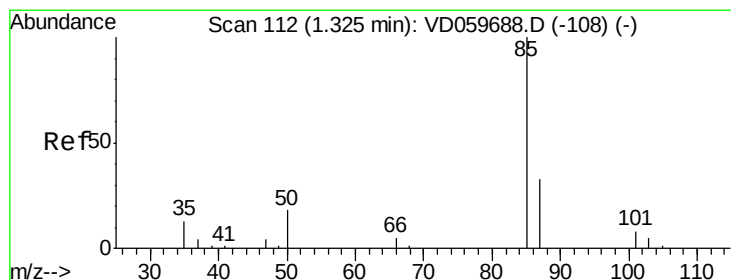
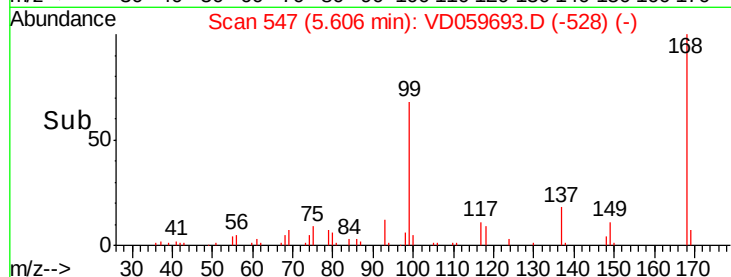
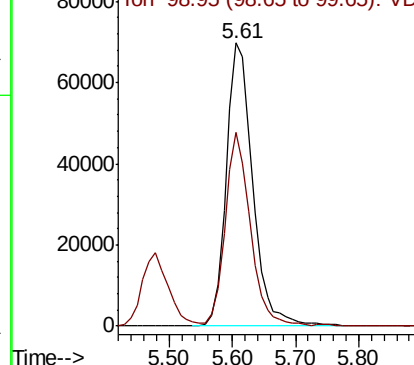
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Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.61 min Scan# 547
Delta R.T. -0.02 min
Lab File: VD059693.D
Acq: 6 Aug 2018 14:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 201810
Ion Ratio Lower Upper
168 100
99 68.3 53.4 80.2

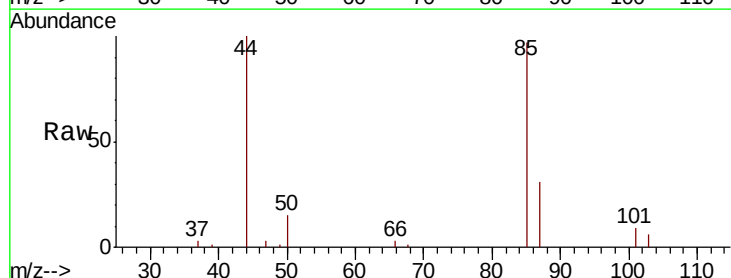


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.95 (98.65 to 99.65): VDC

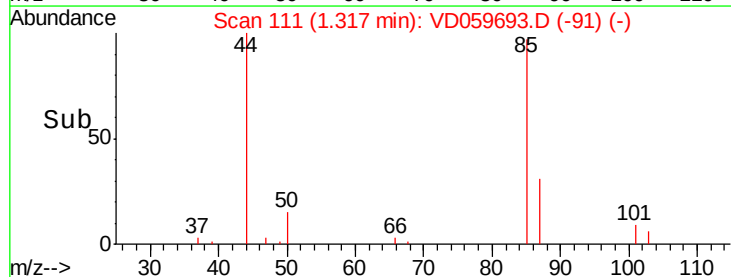
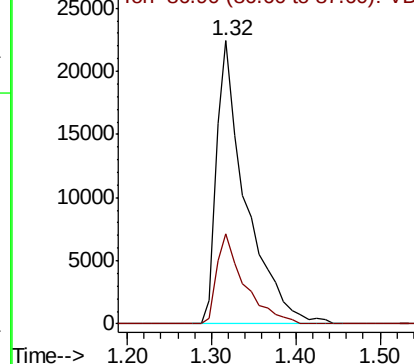


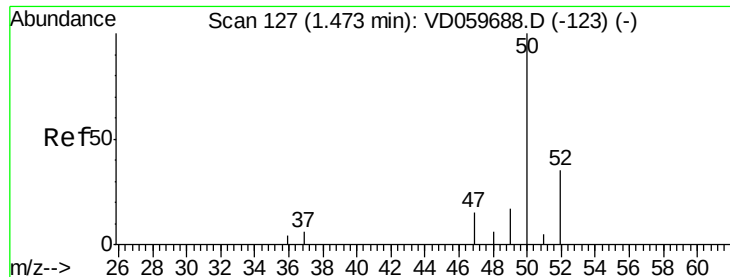
#2
Dichlorodifluoromethane
Concen: 19.224 ug/l
RT: 1.32 min Scan# 111
Delta R.T. -0.01 min
Lab File: VD059693.D
Acq: 6 Aug 2018 14:28

Tgt Ion: 85 Resp: 54049
Ion Ratio Lower Upper
85 100
87 31.7 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: 17.594 ug/l

RT: 1.45 min Scan# 125

Delta R.T. -0.02 min

Lab File: VD059693.D

Acq: 6 Aug 2018 14:28

Instrument :

MSVOA_D

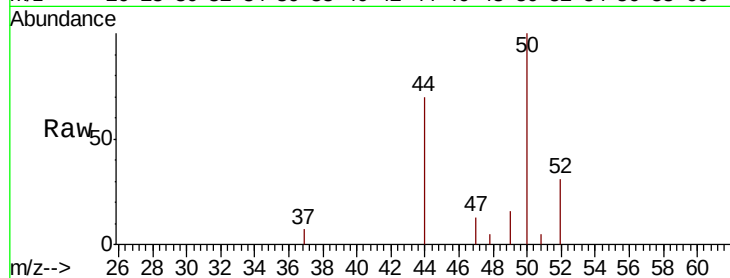
ClientSampleId :

Tot Ion: 50 Resp: 21678

Ion Ratio Lower Upper

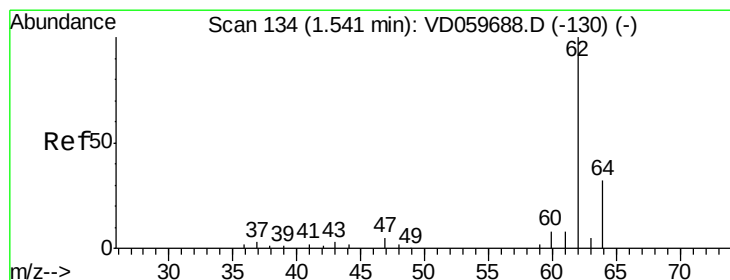
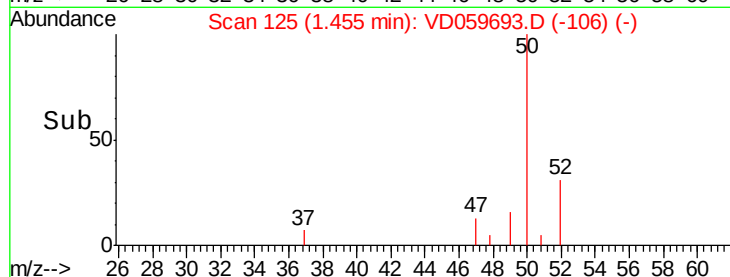
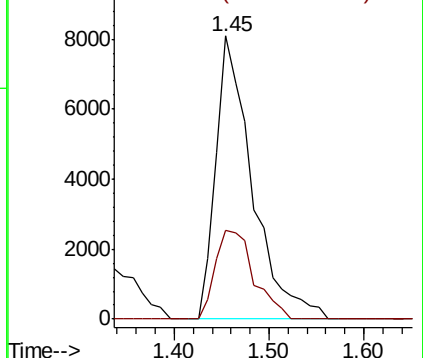
50 100

52 31.4 28.2 42.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.079 ug/l

RT: 1.52 min Scan# 132

Delta R.T. -0.02 min

Lab File: VD059693.D

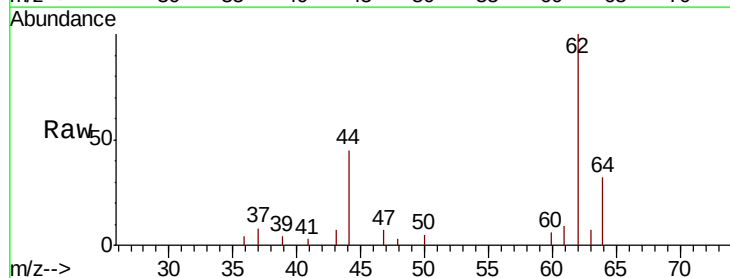
Acq: 6 Aug 2018 14:28

Tgt Ion: 62 Resp: 26553

Ion Ratio Lower Upper

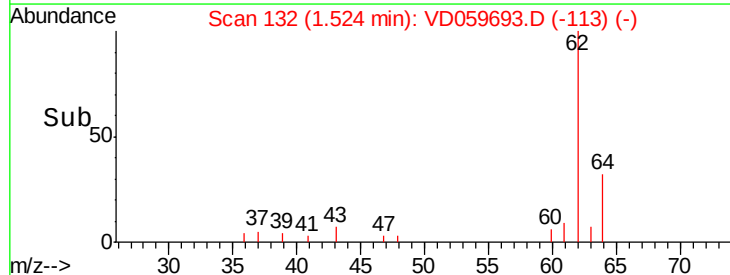
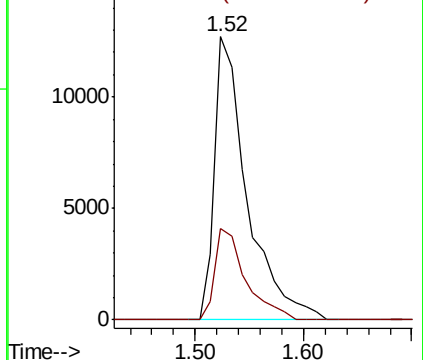
62 100

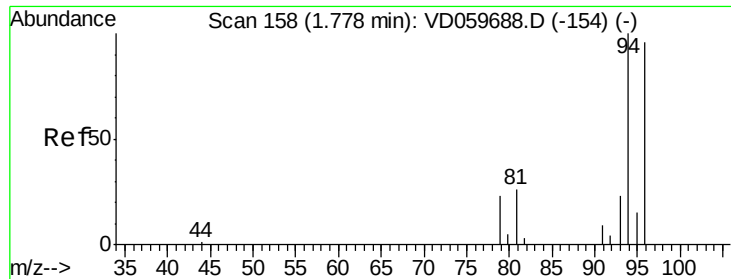
64 32.3 25.4 38.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

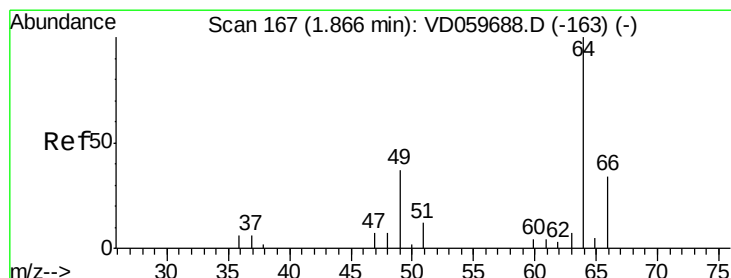
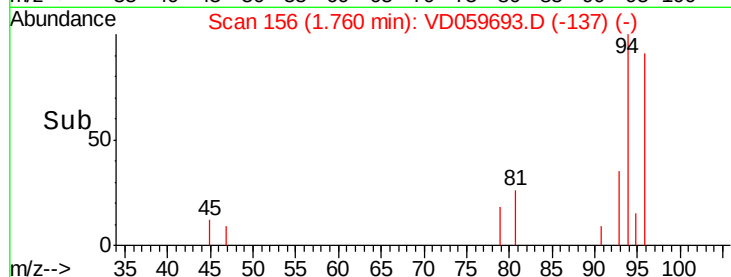
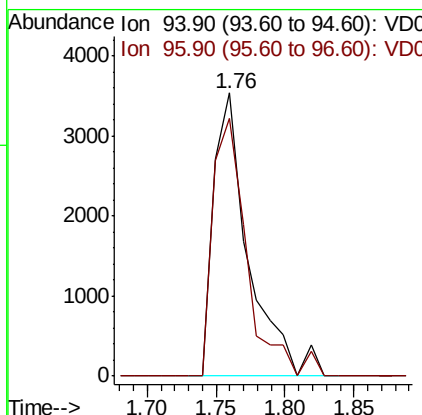
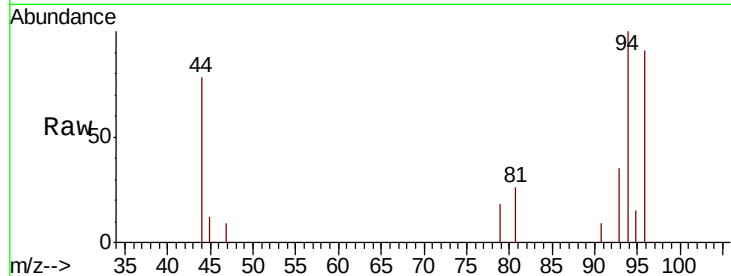




#5
Bromomethane
Concen: 12.034 ug/l
RT: 1.76 min Scan# 156
Delta R.T. -0.02 min
Lab File: VD059693.D
Acq: 6 Aug 2018 14:28

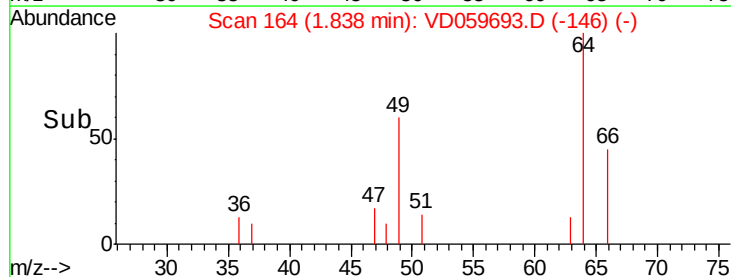
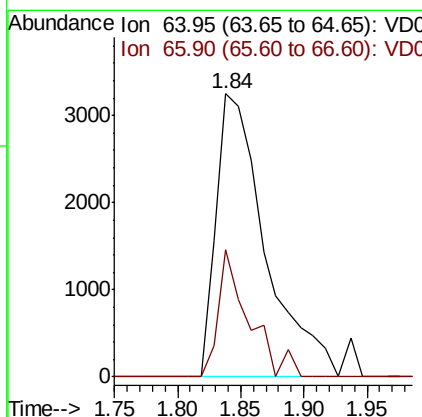
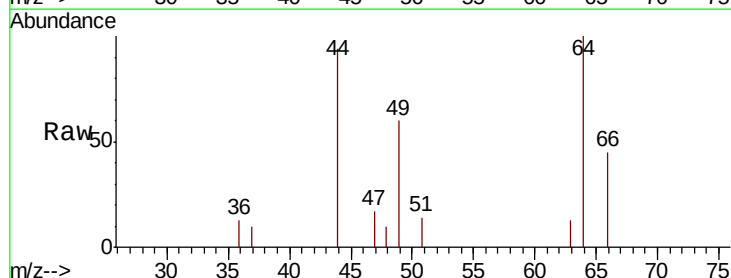
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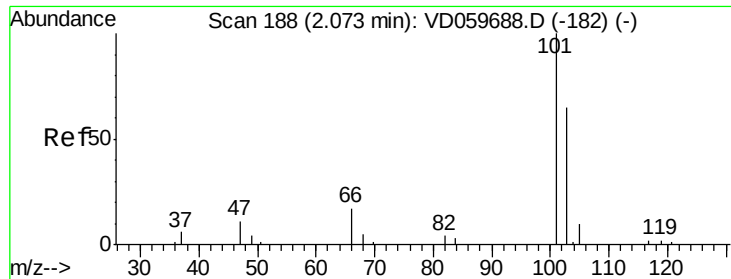
Tot Ion: 94 Resp: 6185
Ion Ratio Lower Upper
94 100
96 90.9 76.6 114.8



#6
Chloroethane
Concen: 14.929 ug/l
RT: 1.84 min Scan# 164
Delta R.T. -0.03 min
Lab File: VD059693.D
Acq: 6 Aug 2018 14:28

Tgt Ion: 64 Resp: 8766
Ion Ratio Lower Upper
64 100
66 45.0 27.2 40.8#



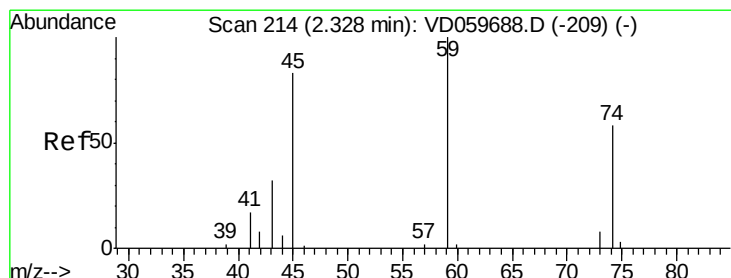
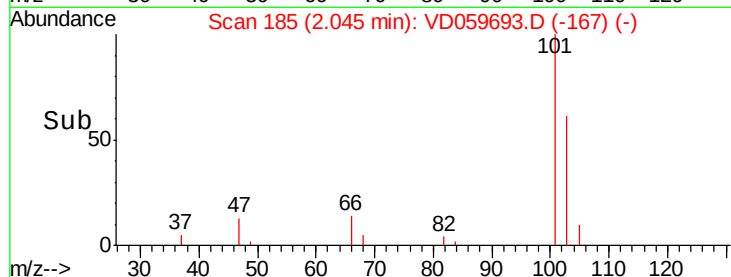
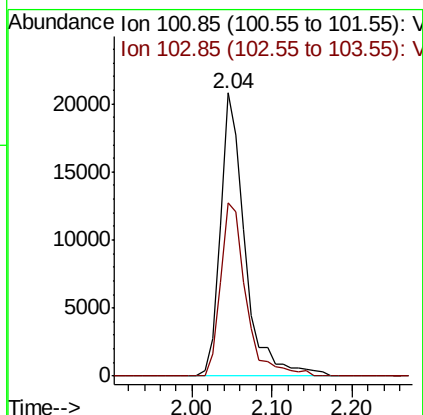
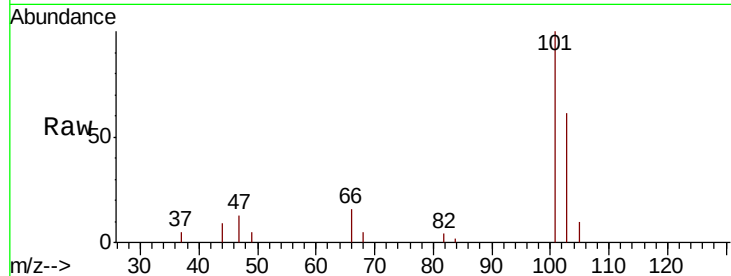


#7

Trichlorofluoromethane
 Concen: 18.953 ug/l
 RT: 2.04 min Scan# 185
 Delta R.T. -0.03 min
 Lab File: VD059693.D
 Acq: 6 Aug 2018 14:28

Instrument :
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 ClientSampleId :

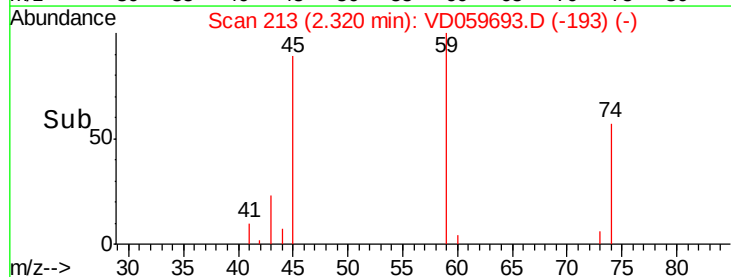
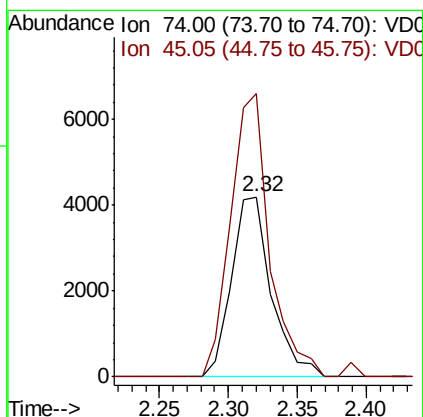
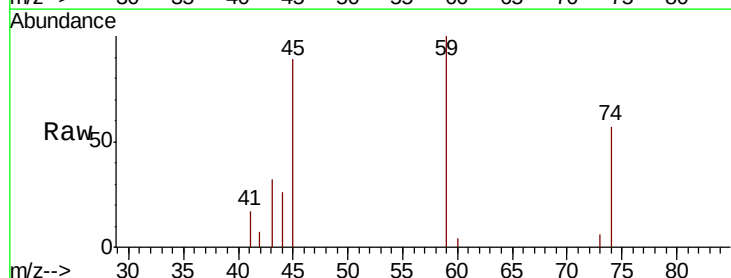
Tot Ion:101 Resp: 45029
 Ion Ratio Lower Upper
 101 100
 103 61.1 51.7 77.5

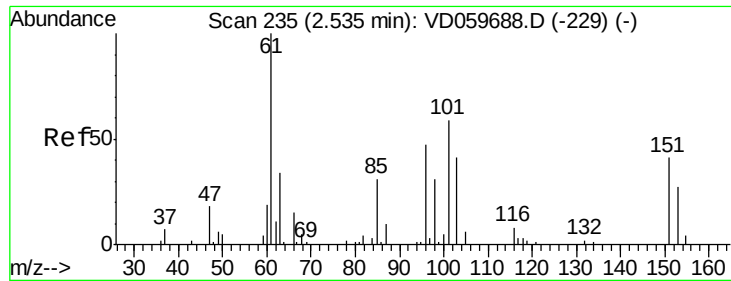


#8

Diethyl Ether
 Concen: 19.039 ug/l
 RT: 2.32 min Scan# 213
 Delta R.T. -0.01 min
 Lab File: VD059693.D
 Acq: 6 Aug 2018 14:28

Tgt Ion: 74 Resp: 8440
 Ion Ratio Lower Upper
 74 100
 45 157.1 71.4 214.2

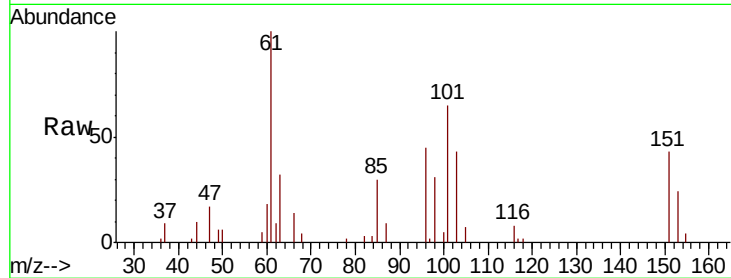




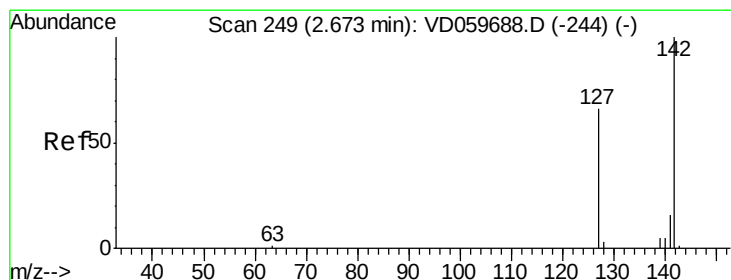
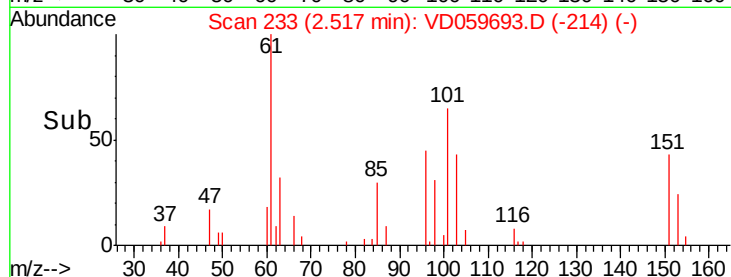
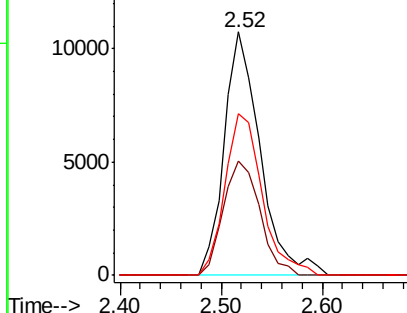
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.412 ug/l
 RT: 2.52 min Scan# 233
 Delta R.T. -0.02 min
 Lab File: VD059693.D
 Acq: 6 Aug 2018 14:28

Instrument :
 MSVOA_D
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Tot Ion:101 Resp: 26625
 Ion Ratio Lower Upper
 101 100
 85 47.0 42.2 63.4
 151 66.5 55.2 82.8

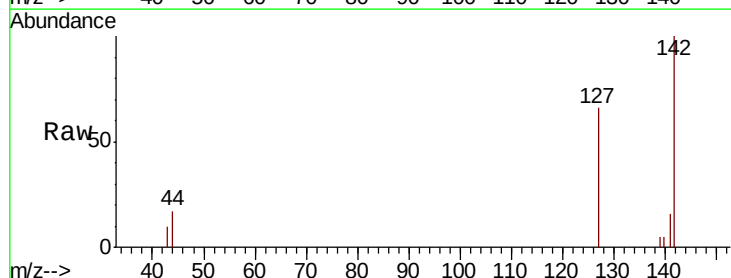


Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 84.95 (84.65 to 85.65): V
 Ion 150.90 (150.60 to 151.60): V

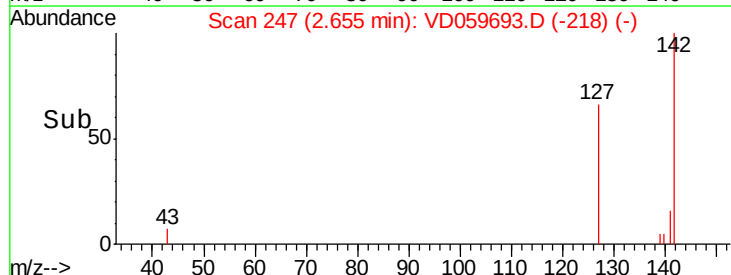
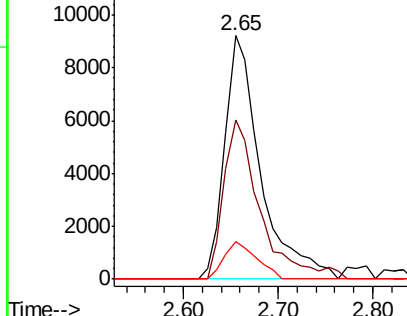


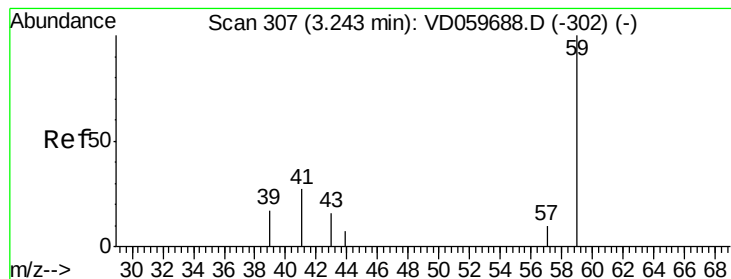
#10
 Methyl Iodide
 Concen: 15.565 ug/l
 RT: 2.65 min Scan# 247
 Delta R.T. -0.02 min
 Lab File: VD059693.D
 Acq: 6 Aug 2018 14:28

Tgt Ion:142 Resp: 24360
 Ion Ratio Lower Upper
 142 100
 127 65.5 52.6 79.0
 141 15.6 12.5 18.7



Abundance Ion 141.85 (141.55 to 142.55): V
 Ion 126.80 (126.50 to 127.50): V
 Ion 140.85 (140.55 to 141.55): V



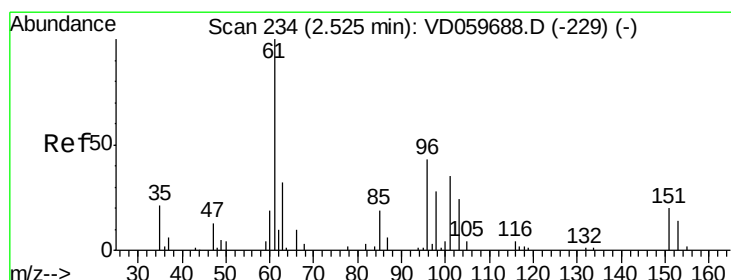
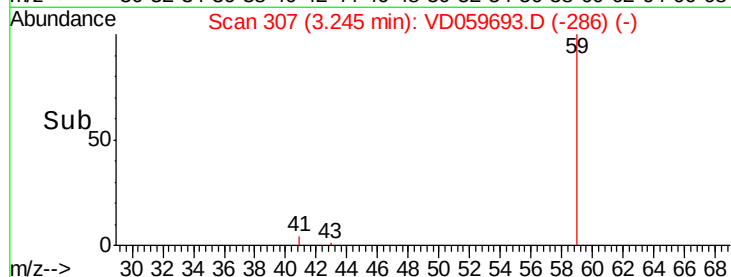
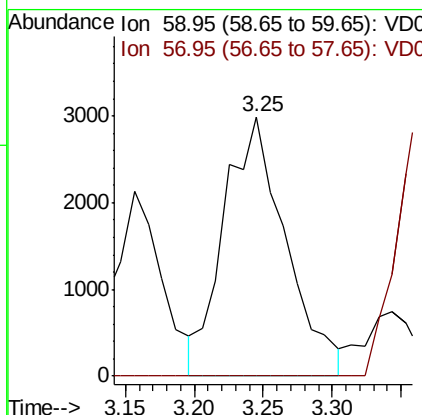
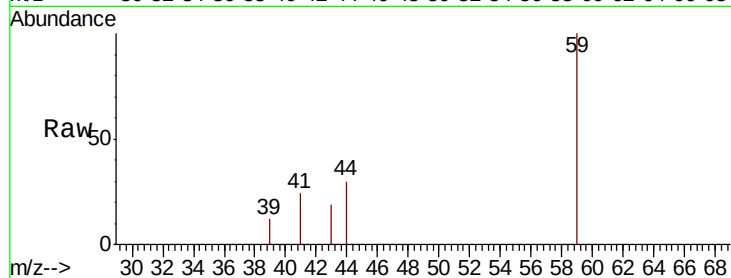


#11

Tert butyl alcohol
 Concen: 99.809 ug/l
 RT: 3.25 min Scan# 307
 Delta R.T. 0.00 min
 Lab File: VD059693.D
 Acq: 6 Aug 2018 14:28

Instrument :
 MSVOA_D
 ClientSampleId :

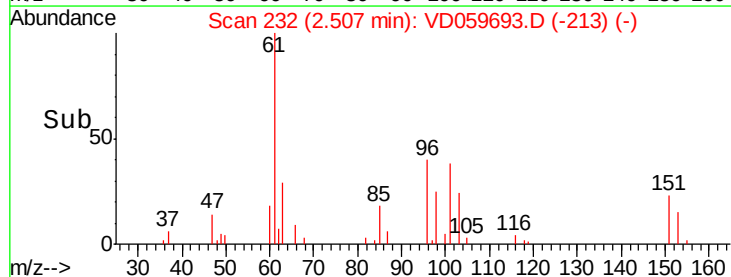
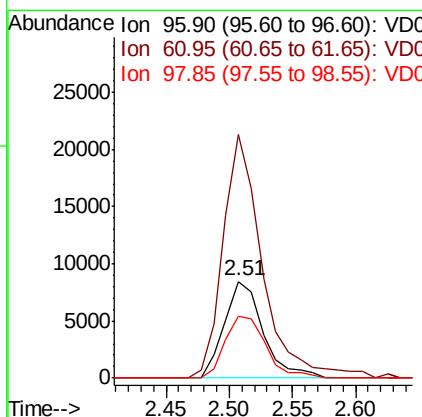
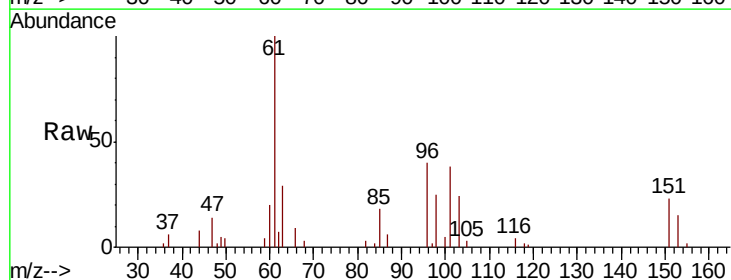
Tot Ion: 59 Resp: 9274
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.8 10.2#

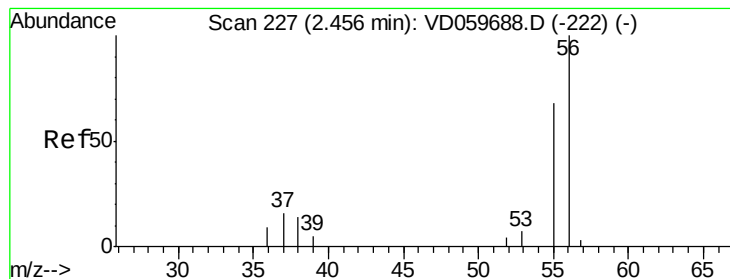


#12

1,1-Dichloroethene
 Concen: 17.790 ug/l
 RT: 2.51 min Scan# 232
 Delta R.T. -0.02 min
 Lab File: VD059693.D
 Acq: 6 Aug 2018 14:28

Tgt Ion: 96 Resp: 18041
 Ion Ratio Lower Upper
 96 100
 61 252.2 184.1 276.1
 98 63.7 52.4 78.6





#13

Acrolein

Concen: 104.700 ug/l

RT: 2.44 min Scan# 225

Delta R.T. -0.02 min

Lab File: VD059693.D

Acq: 6 Aug 2018 14:28

Instrument :

MSVOA_D

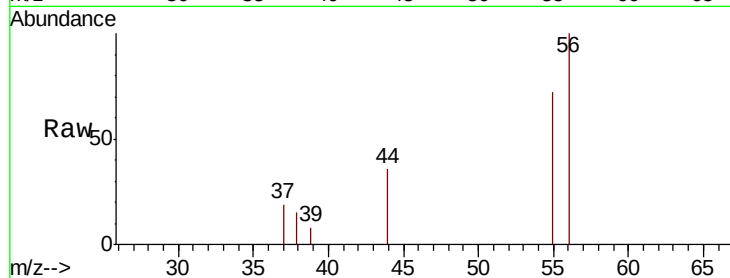
ClientSampleId :

Tot Ion: 56 Resp: 9287

Ion Ratio Lower Upper

56 100

55 72.0 54.4 81.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.44

4000

3000

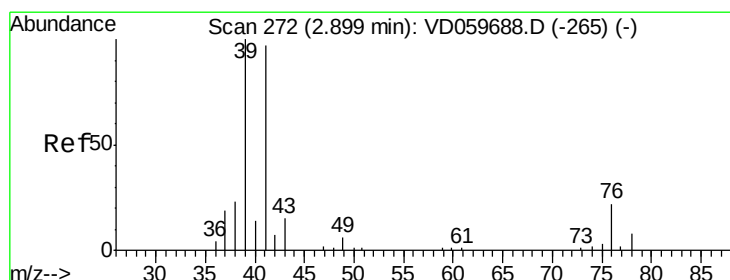
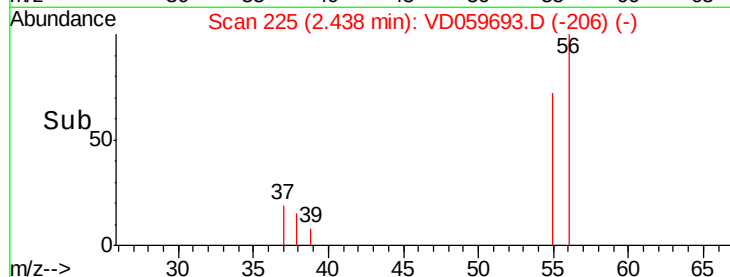
2000

1000

0

Time-->

2.35 2.40 2.45 2.50 2.55



#14

Allyl chloride

Concen: 18.705 ug/l

RT: 2.89 min Scan# 271

Delta R.T. -0.01 min

Lab File: VD059693.D

Acq: 6 Aug 2018 14:28

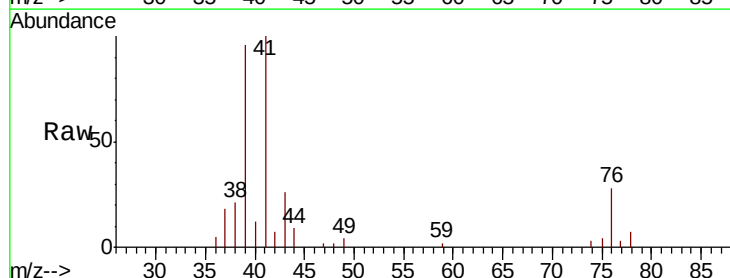
Tgt Ion: 41 Resp: 43088

Ion Ratio Lower Upper

41 100

39 96.0 82.5 123.7

76 27.7 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

25000

20000

15000

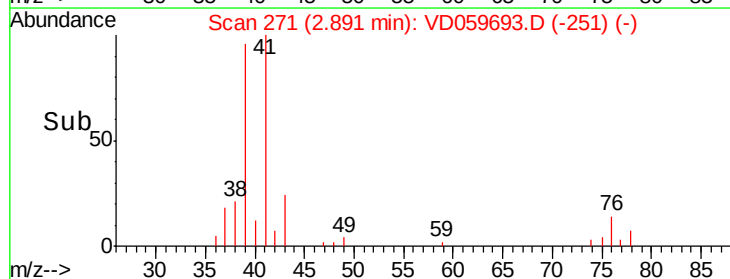
10000

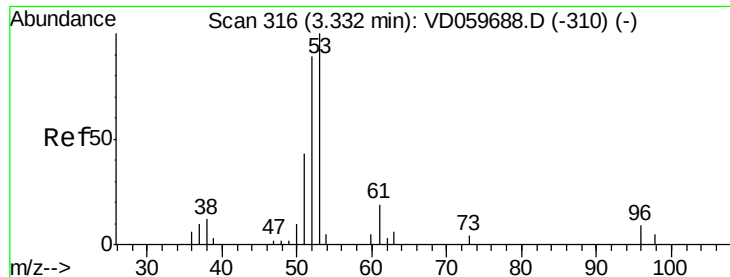
5000

0

Time-->

2.80 2.90 3.00





#15

Acrylonitrile

Concen: 87.446 ug/l

RT: 3.32 min Scan# 315

Delta R.T. -0.01 min

Lab File: VD059693.D

Acq: 6 Aug 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

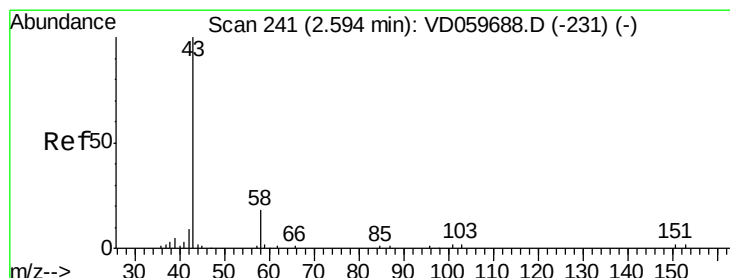
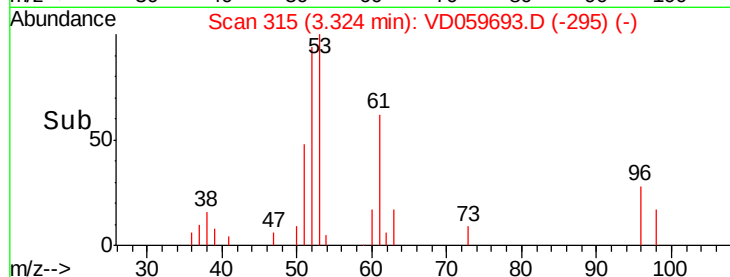
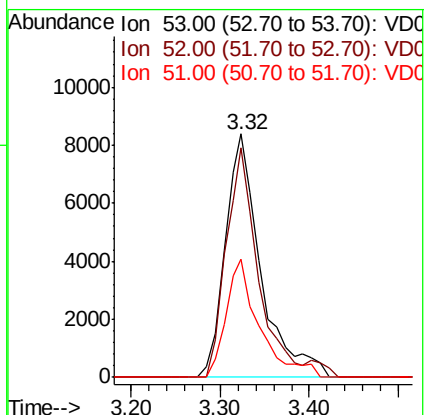
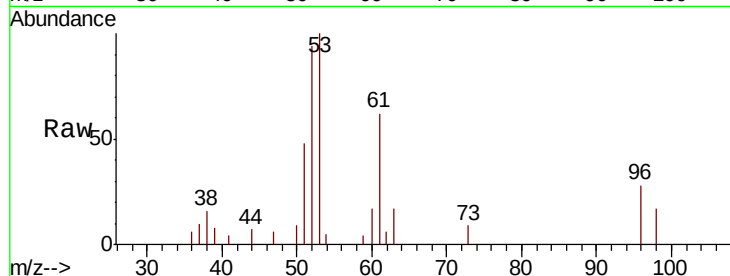
Tot Ion: 53 Resp: 23358

Ion Ratio Lower Upper

53 100

52 94.3 71.4 107.0

51 48.3 34.2 51.4



#16

Acetone

Concen: 78.874 ug/l

RT: 2.59 min Scan# 240

Delta R.T. -0.01 min

Lab File: VD059693.D

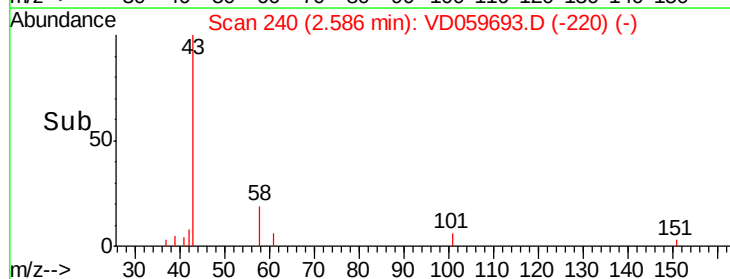
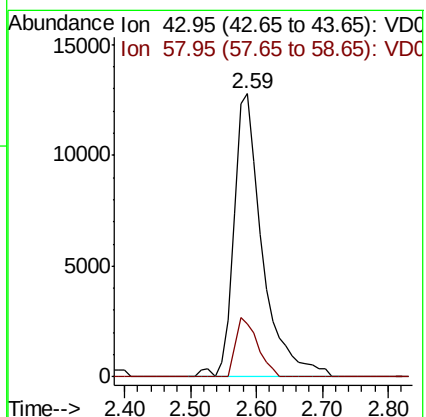
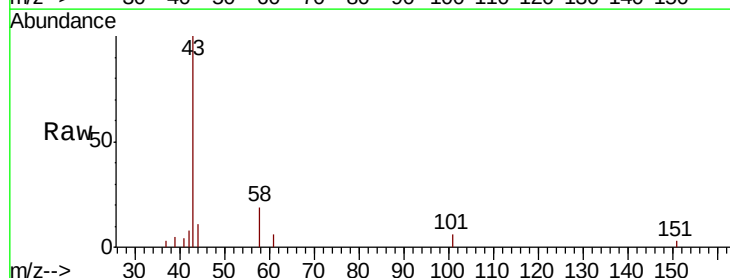
Acq: 6 Aug 2018 14:28

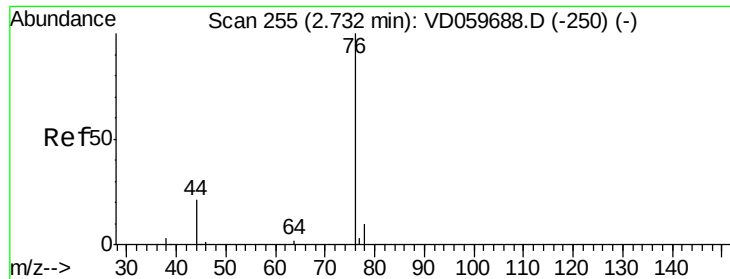
Tgt Ion: 43 Resp: 38716

Ion Ratio Lower Upper

43 100

58 18.9 14.2 21.2

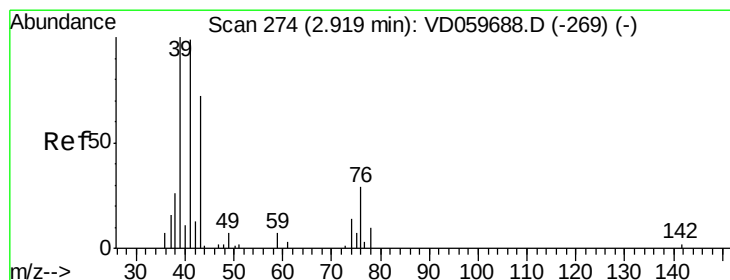
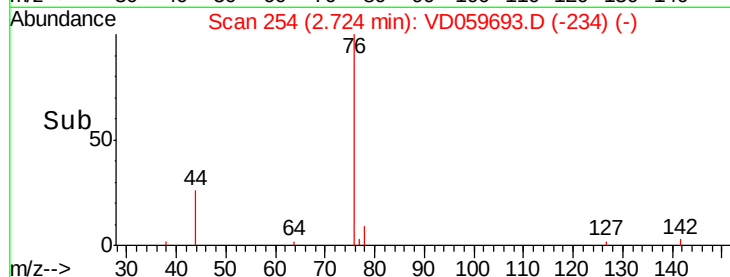
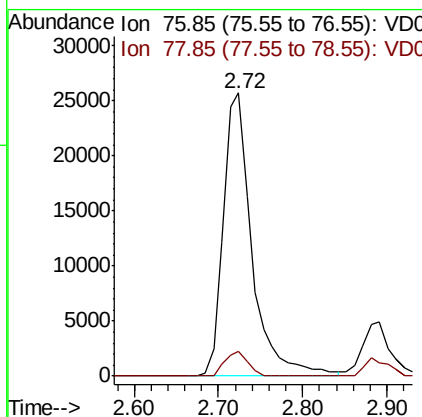
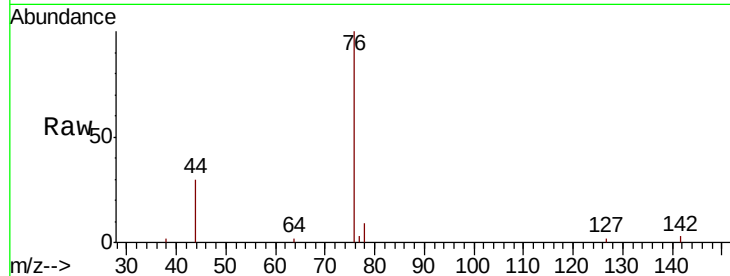




#17
Carbon Disulfide
Concen: 16.917 ug/l
RT: 2.72 min Scan# 254
Delta R.T. -0.01 min
Lab File: VD059693.D
Acq: 6 Aug 2018 14:28

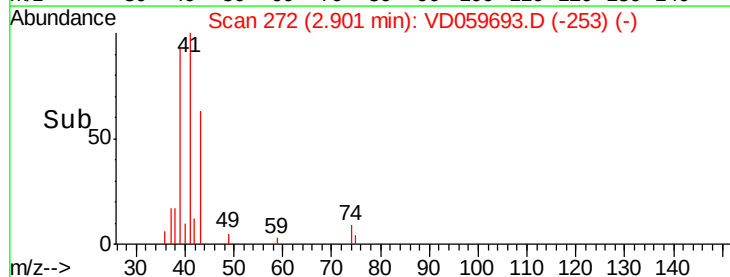
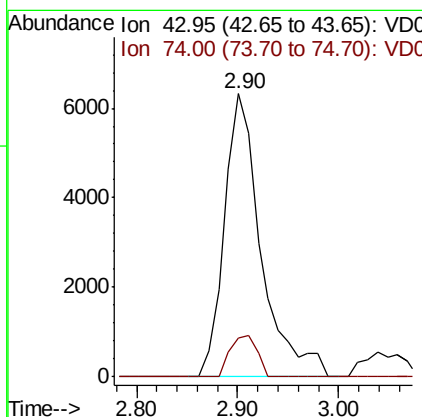
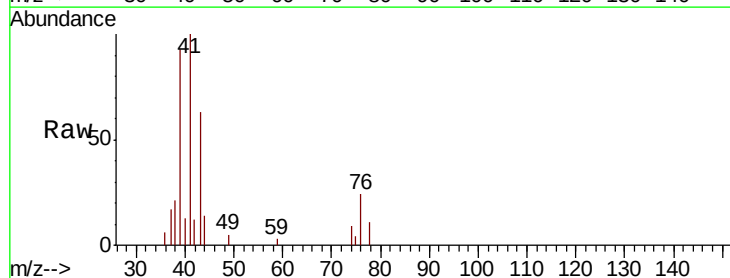
Instrument :
MSVOA_D
ClientSampleId :

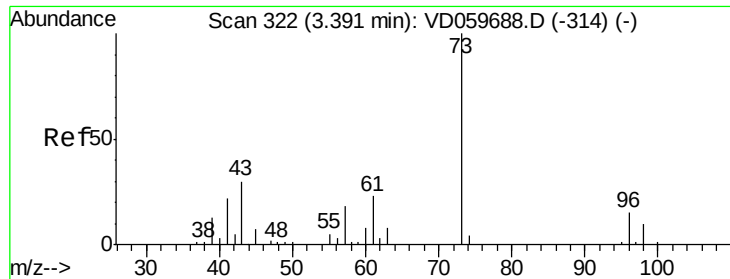
Tot Ion: 76 Resp: 60685
Ion Ratio Lower Upper
76 100
78 8.6 7.7 11.5



#18
Methyl Acetate
Concen: 18.121 ug/l
RT: 2.90 min Scan# 272
Delta R.T. -0.02 min
Lab File: VD059693.D
Acq: 6 Aug 2018 14:28

Tgt Ion: 43 Resp: 15921
Ion Ratio Lower Upper
43 100
74 13.7 15.7 23.5#

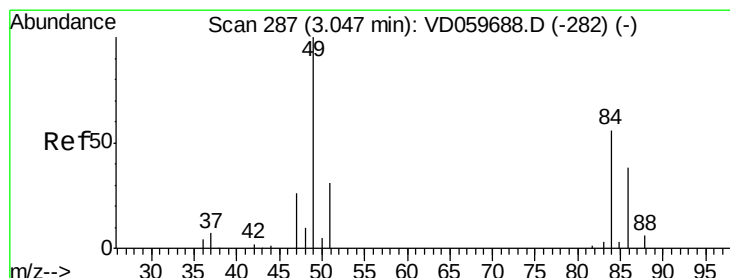
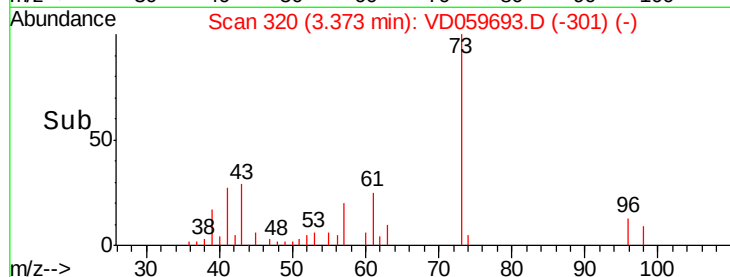
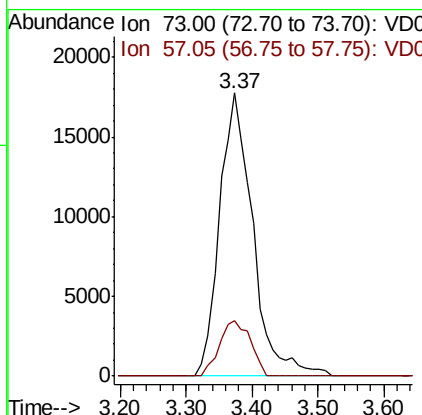
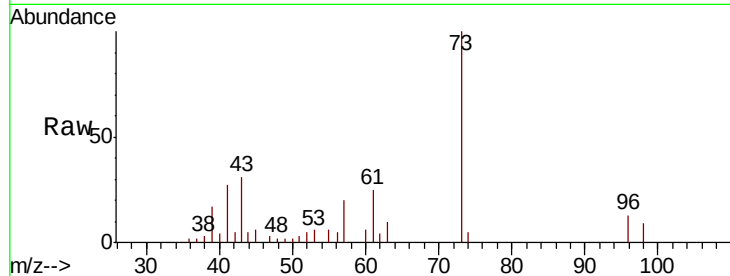




#19
Methyl tert-butyl Ether
Concen: 15.977 ug/l
RT: 3.37 min Scan# 320
Delta R.T. -0.02 min
Lab File: VD059693.D
Acq: 6 Aug 2018 14:28

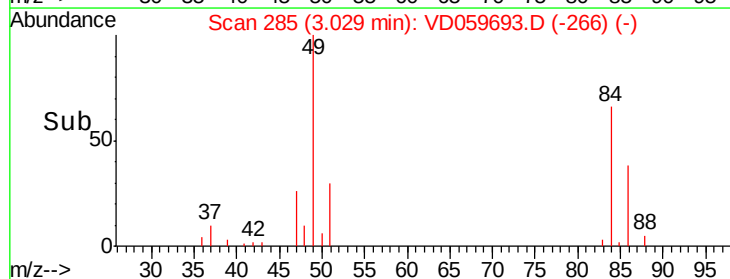
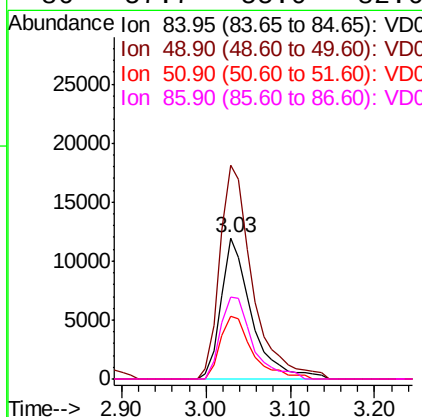
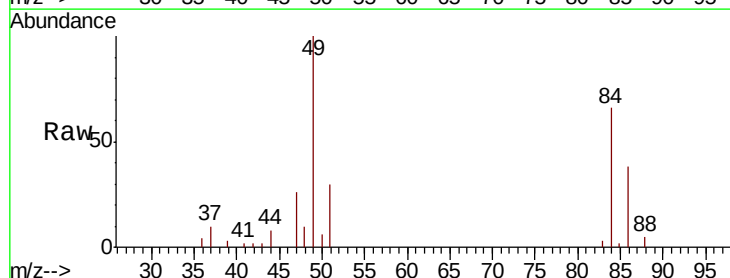
Instrument :
MSVOA_D
ClientSampleId :

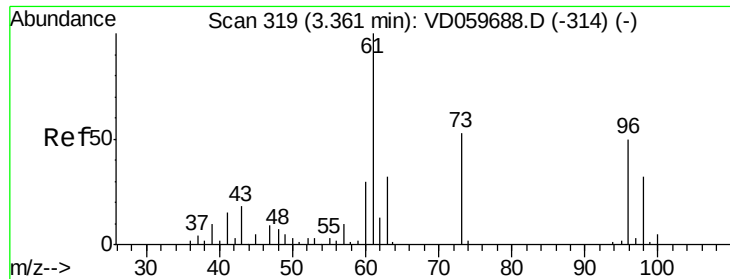
Tot Ion: 73 Resp: 62339
Ion Ratio Lower Upper
73 100
57 19.7 14.3 21.5



#20
Methylene Chloride
Concen: 16.468 ug/l
RT: 3.03 min Scan# 285
Delta R.T. -0.02 min
Lab File: VD059693.D
Acq: 6 Aug 2018 14:28

Tgt Ion: 84 Resp: 30130
Ion Ratio Lower Upper
84 100
49 151.3 143.4 215.2
51 44.9 44.2 66.4
86 57.7 55.0 82.6





#21

trans-1,2-Dichloroethene

Concen: 16.172 ug/l

RT: 3.34 min Scan# 317

Delta R.T. -0.02 min

Lab File: VD059693.D

Acq: 6 Aug 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

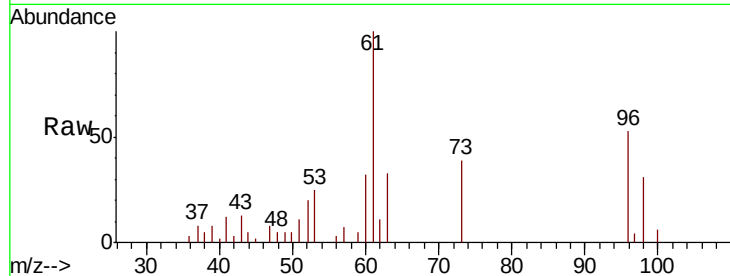
Tot Ion: 96 Resp: 22243

Ion Ratio Lower Upper

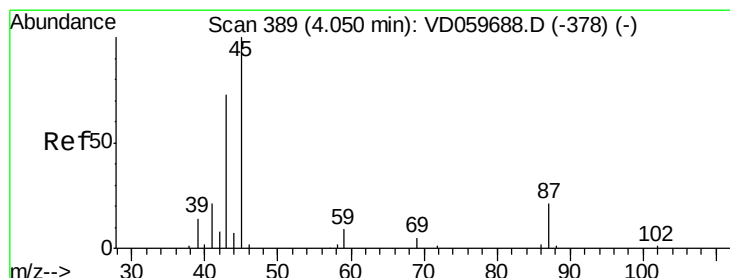
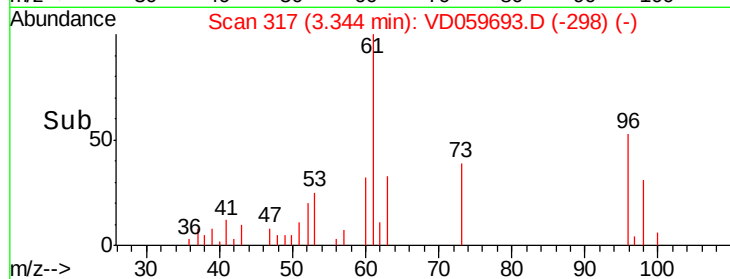
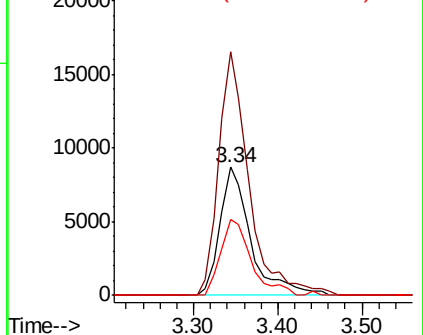
96 100

61 190.4 160.6 241.0

98 59.5 50.9 76.3



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



#22

Diisopropyl ether

Concen: 20.210 ug/l

RT: 4.03 min Scan# 387

Delta R.T. -0.02 min

Lab File: VD059693.D

Acq: 6 Aug 2018 14:28

Tgt Ion: 45 Resp: 106289

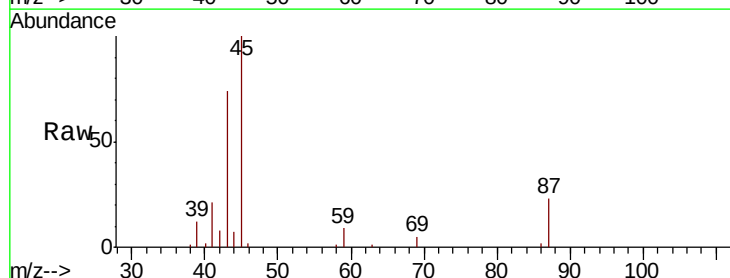
Ion Ratio Lower Upper

45 100

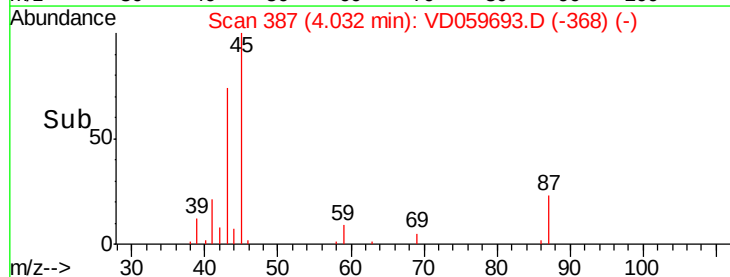
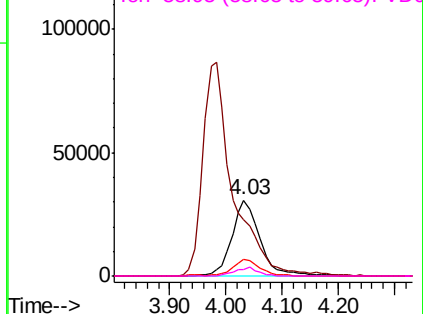
43 74.3 60.3 90.5

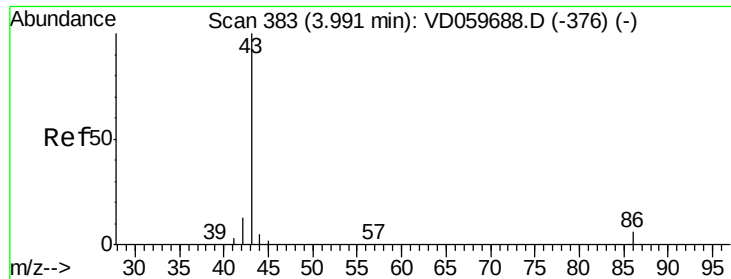
87 22.6 17.0 25.6

59 9.2 7.9 11.9



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





#23

Vinyl Acetate

Concen: 98.556 ug/l

RT: 3.98 min Scan# 382

Delta R.T. -0.01 min

Lab File: VD059693.D

Acq: 6 Aug 2018 14:28

Instrument :

MSVOA_D

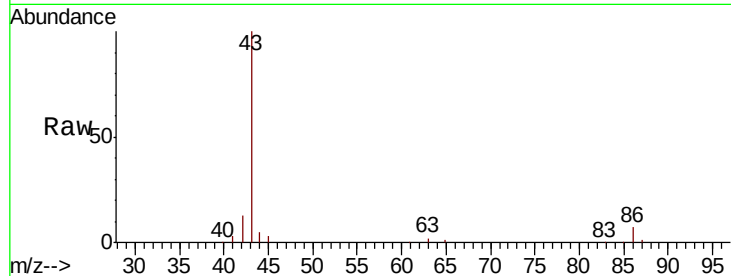
ClientSampleId :

Tot Ion: 43 Resp: 323511

Ion Ratio Lower Upper

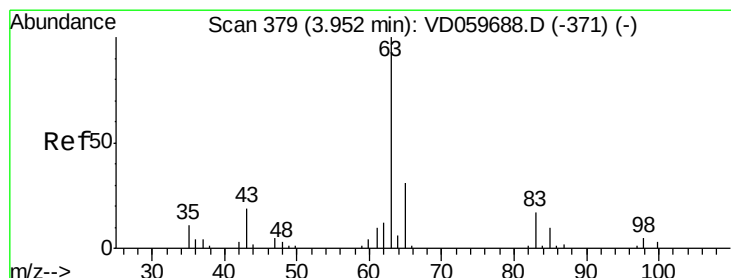
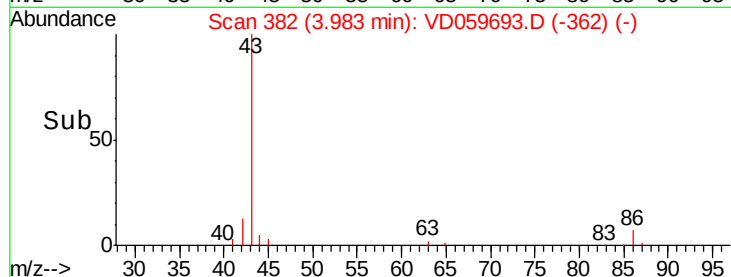
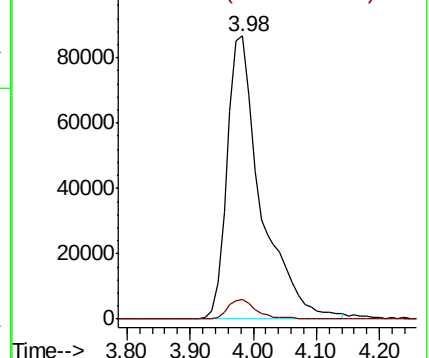
43 100

86 7.0 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: 18.186 ug/l

RT: 3.93 min Scan# 377

Delta R.T. -0.02 min

Lab File: VD059693.D

Acq: 6 Aug 2018 14:28

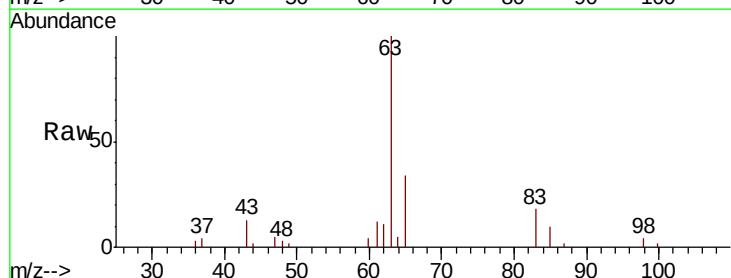
Tgt Ion: 63 Resp: 64416

Ion Ratio Lower Upper

63 100

98 4.1 2.4 7.1

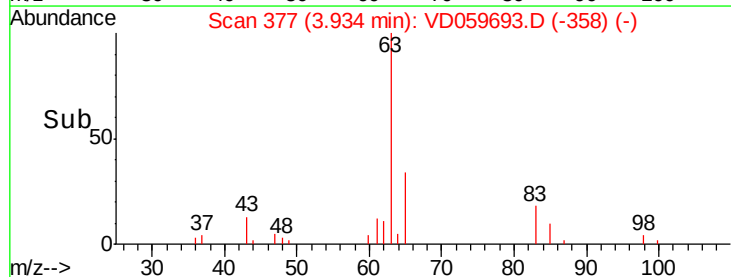
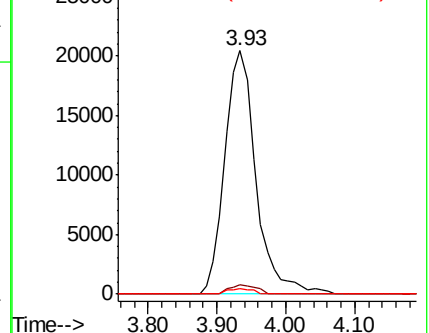
100 2.3 1.6 4.8

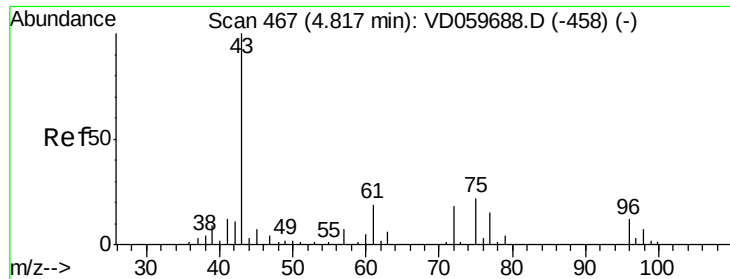


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 85.848 ug/l

RT: 4.80 min Scan# 465

Delta R.T. -0.02 min

Lab File: VD059693.D

Acq: 6 Aug 2018 14:28

Instrument :

MSVOA_D

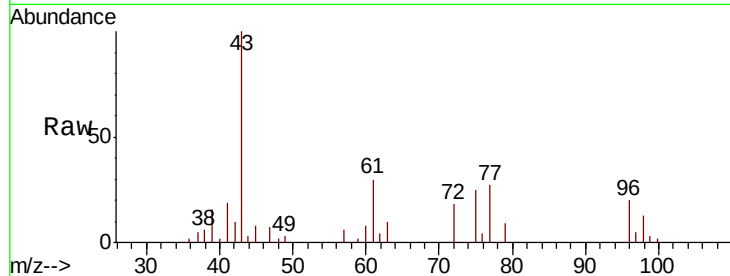
ClientSampleId :

Tot Ion: 43 Resp: 53730

Ion Ratio Lower Upper

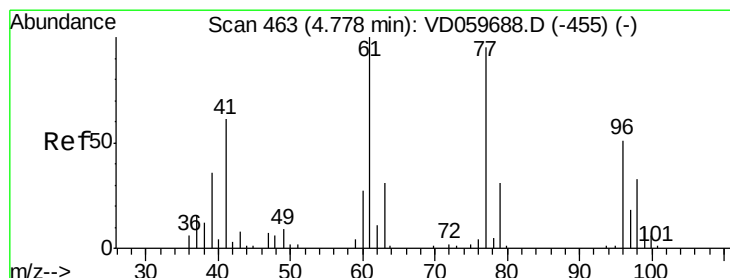
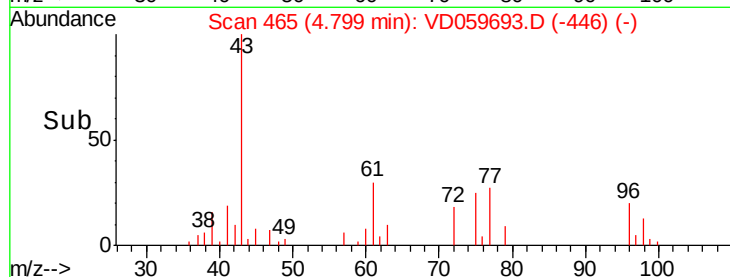
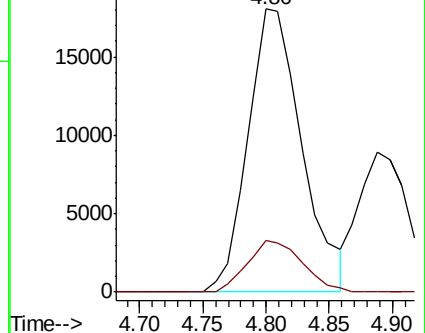
43 100

72 18.2 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: 18.895 ug/l

RT: 4.76 min Scan# 461

Delta R.T. -0.02 min

Lab File: VD059693.D

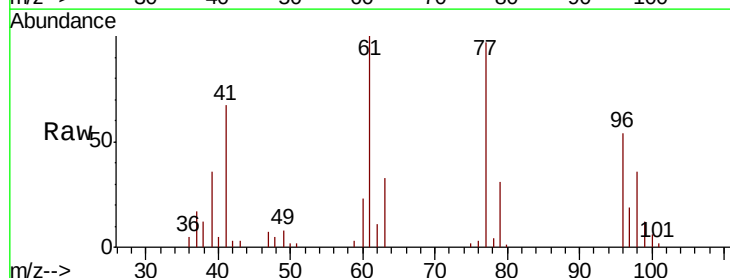
Acq: 6 Aug 2018 14:28

Tgt Ion: 77 Resp: 72677

Ion Ratio Lower Upper

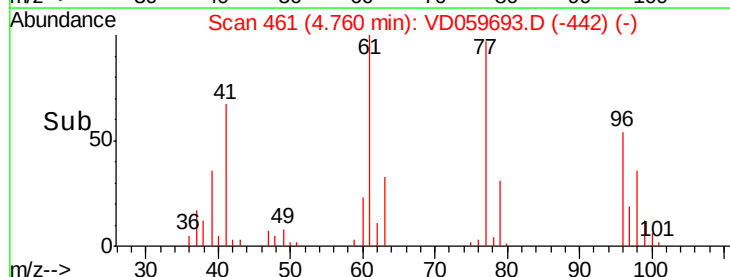
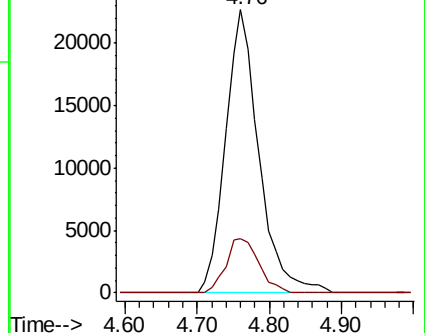
77 100

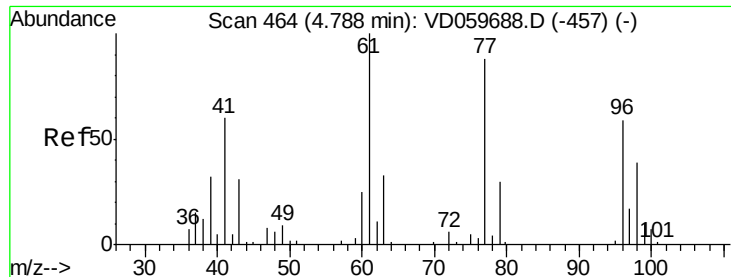
97 19.4 9.4 28.3



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



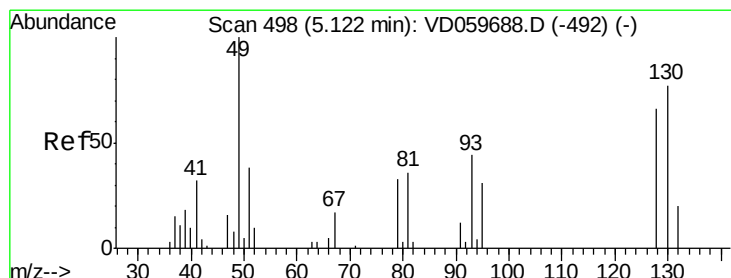
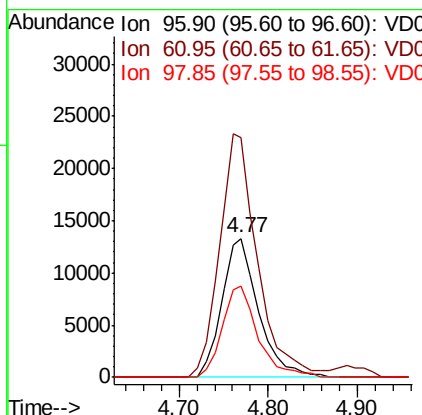
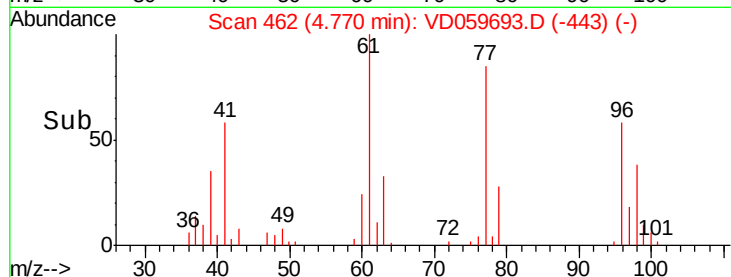
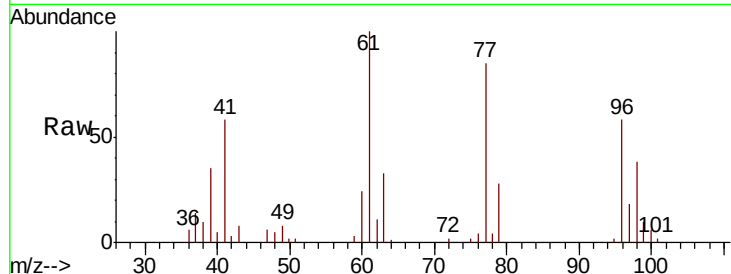


#27

cis-1,2-Dichloroethene
Concen: 20.516 ug/l
RT: 4.77 min Scan# 462
Delta R.T. -0.02 min
Lab File: VD059693.D
Acq: 6 Aug 2018 14:28

Instrument :
MSVOA_D
ClientSampled :

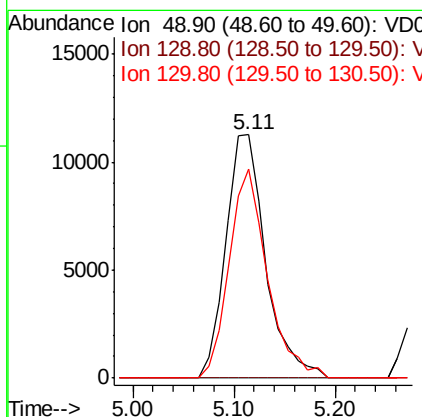
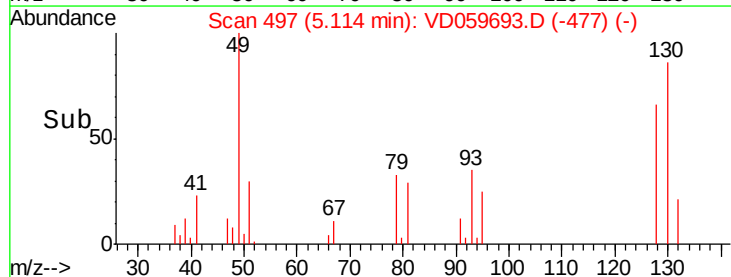
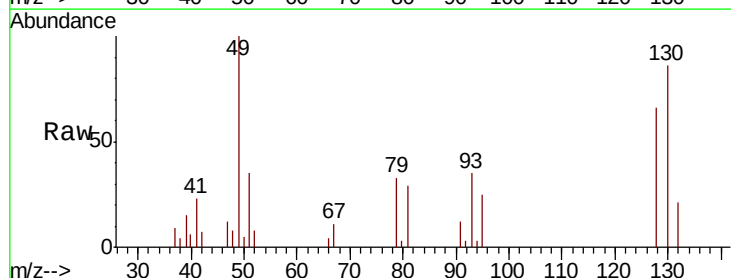
Tot Ion: 96 Resp: 38152
Ion Ratio Lower Upper
96 100
61 173.0 0.0 341.6
98 65.6 0.0 131.0

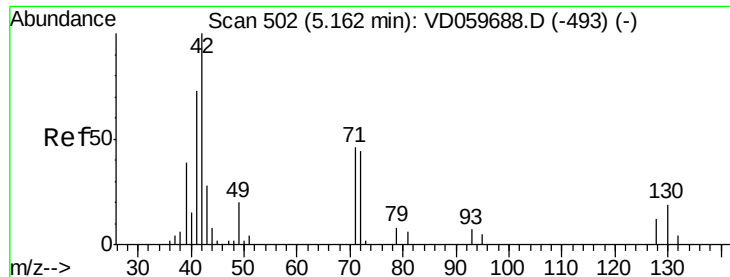


#28

Bromochloromethane
Concen: 23.527 ug/l
RT: 5.11 min Scan# 497
Delta R.T. -0.01 min
Lab File: VD059693.D
Acq: 6 Aug 2018 14:28

Tgt Ion: 49 Resp: 30889
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.0
130 85.9 61.2 91.8





#29

Tetrahydrofuran

Concen: 100.086 ug/l

RT: 5.15 min Scan# 501

Delta R.T. -0.01 min

Lab File: VD059693.D

Acq: 6 Aug 2018 14:28

Instrument :

MSVOA_D

ClientSampled :

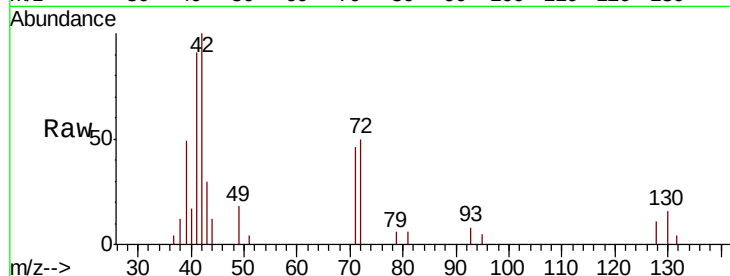
Tot Ion: 42 Resp: 24509

Ion Ratio Lower Upper

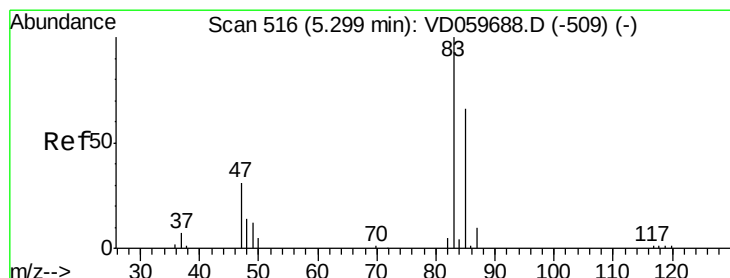
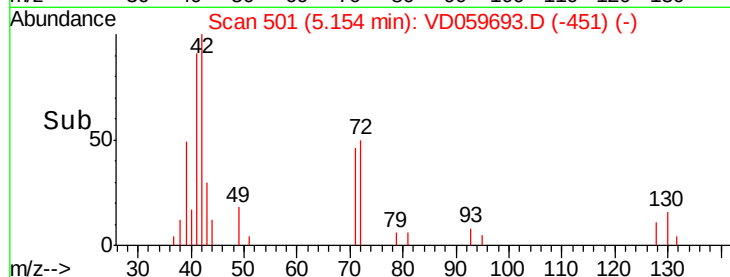
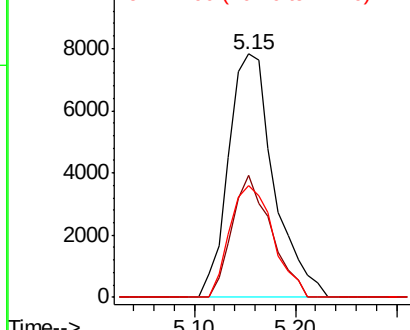
42 100

72 43.5 36.7 55.1

71 44.0 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: 19.982 ug/l

RT: 5.29 min Scan# 515

Delta R.T. -0.01 min

Lab File: VD059693.D

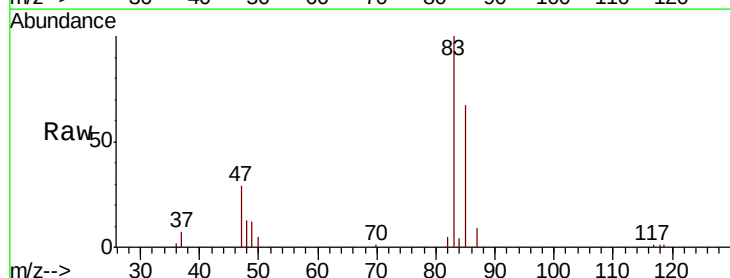
Acq: 6 Aug 2018 14:28

Tgt Ion: 83 Resp: 85439

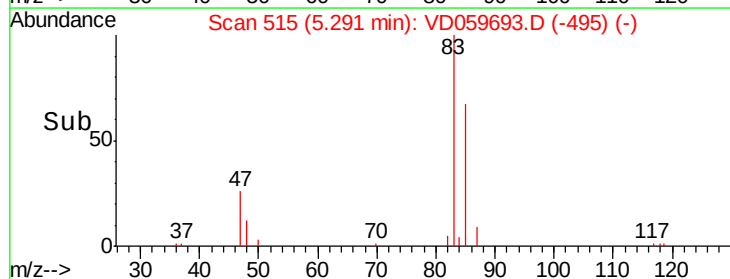
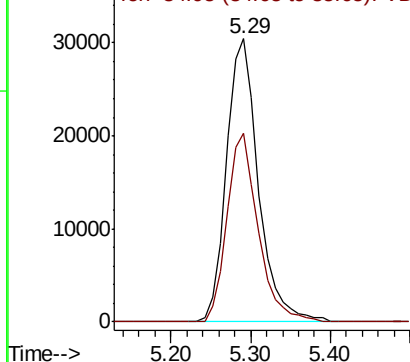
Ion Ratio Lower Upper

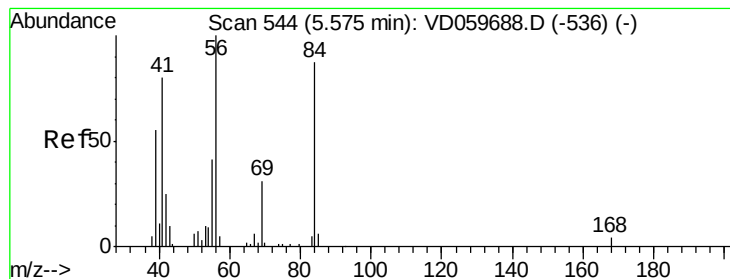
83 100

85 66.8 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: 18.275 ug/l

RT: 5.56 min Scan# 542

Delta R.T. -0.02 min

Lab File: VD059693.D

Acq: 6 Aug 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

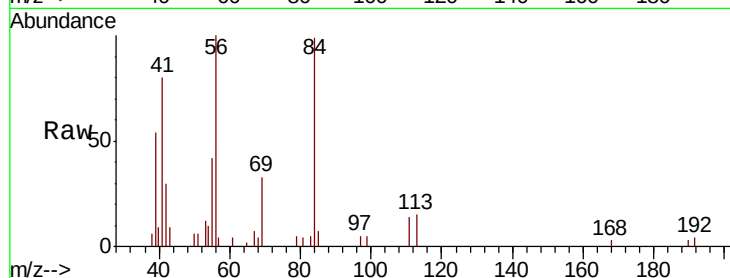
Tot Ion: 56 Resp: 47123

Ion Ratio Lower Upper

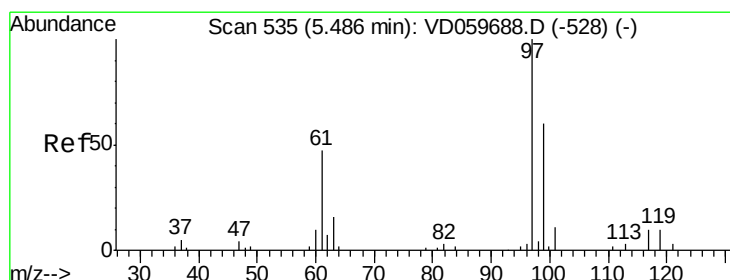
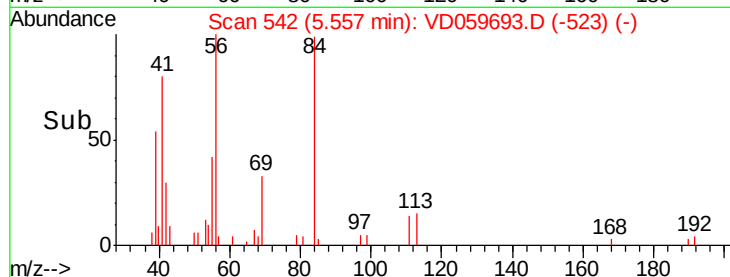
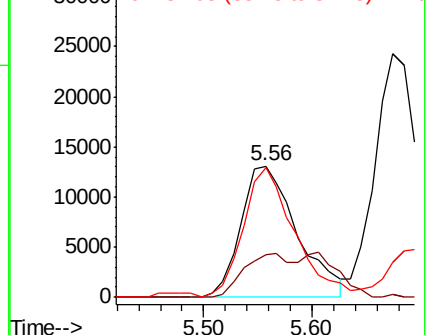
56 100

69 32.6 24.7 37.1

84 98.8 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: 19.527 ug/l

RT: 5.48 min Scan# 534

Delta R.T. -0.01 min

Lab File: VD059693.D

Acq: 6 Aug 2018 14:28

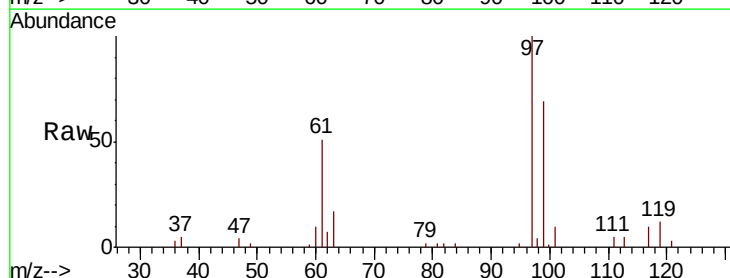
Tgt Ion: 97 Resp: 81830

Ion Ratio Lower Upper

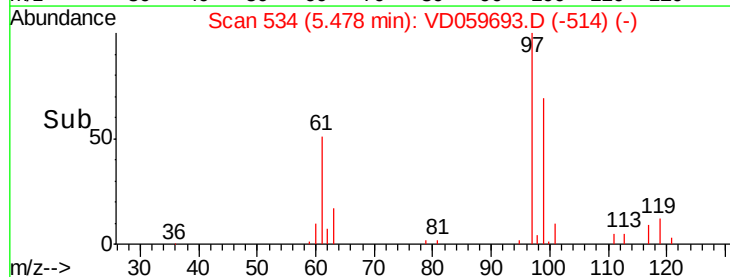
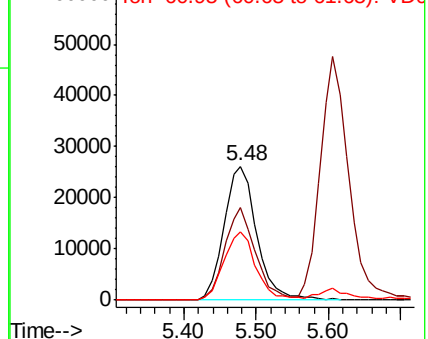
97 100

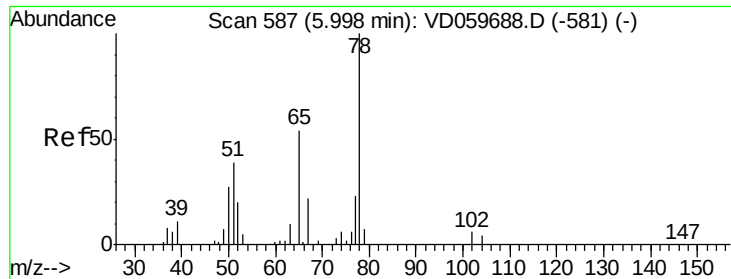
99 69.1 48.2 72.2

61 50.7 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

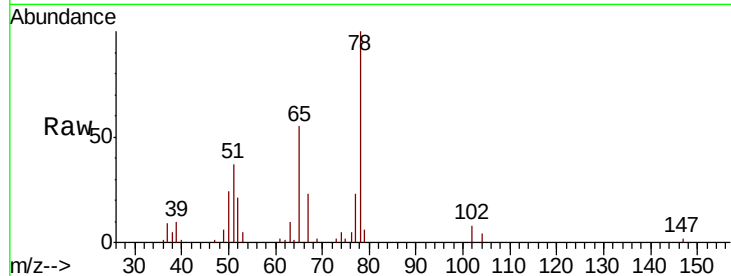




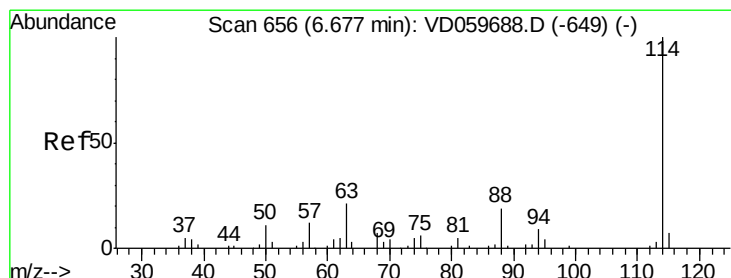
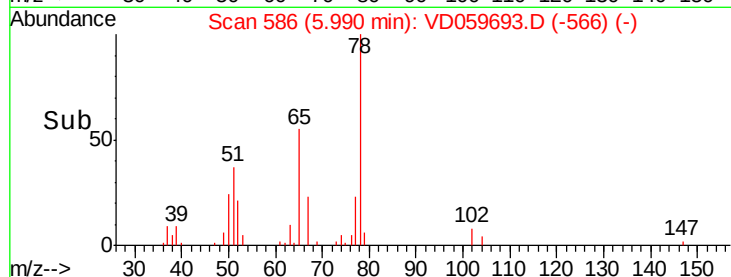
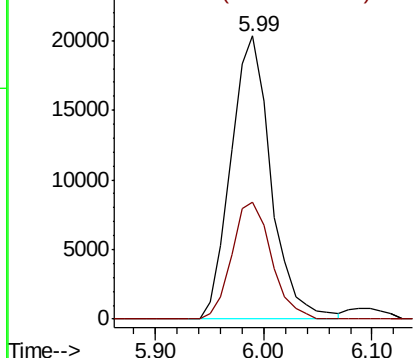
#33
 1,2-Dichloroethane-d4
 Concen: 19.527 ug/l
 RT: 5.99 min Scan# 586
 Delta R.T. -0.01 min
 Lab File: VD059693.D
 Acq: 6 Aug 2018 14:28

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 65 Resp: 52377
 Ion Ratio Lower Upper
 65 100
 67 41.4 0.0 80.4

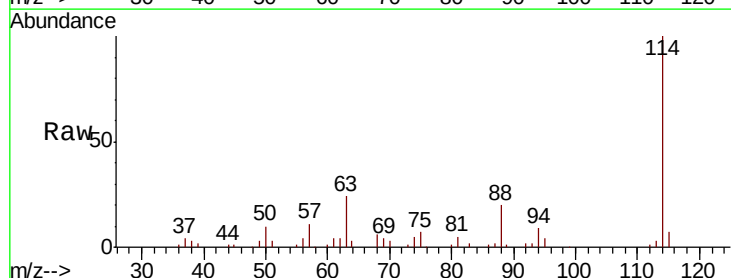


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

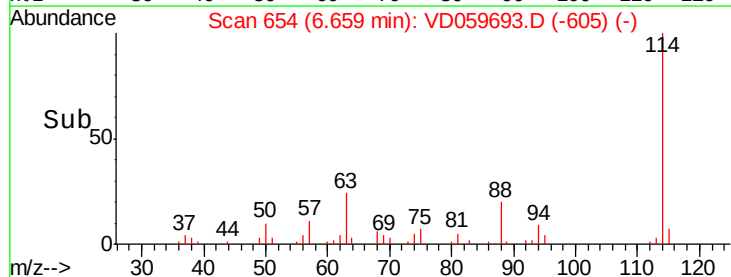
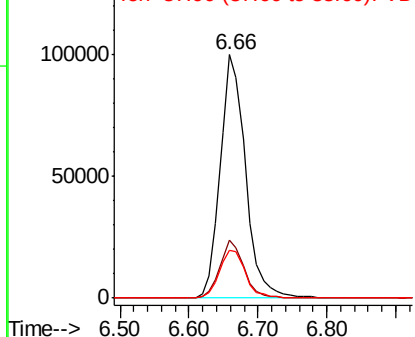


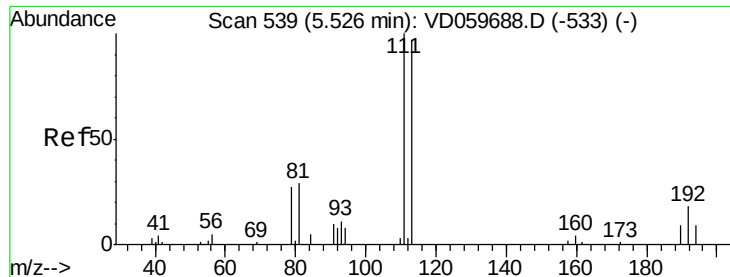
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.66 min Scan# 654
 Delta R.T. -0.02 min
 Lab File: VD059693.D
 Acq: 6 Aug 2018 14:28

Tgt Ion: 114 Resp: 253668
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 42.6
 88 19.9 0.0 38.8



Abundance Ion 114.00 (113.70 to 114.70): VDC
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.52 min Scan# 538

Delta R.T. -0.01 min

Lab File: VD059693.D

Acq: 6 Aug 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

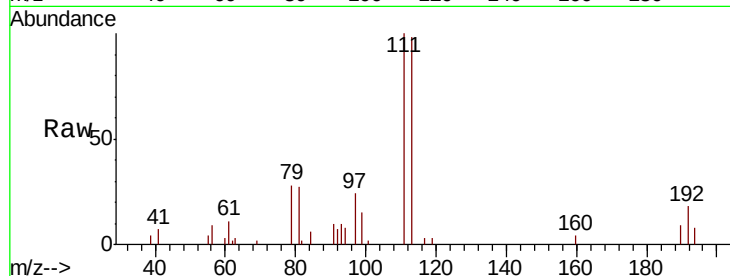
Tot Ion:113 Resp: 48769

Ion Ratio Lower Upper

113 100

111 101.9 82.8 124.2

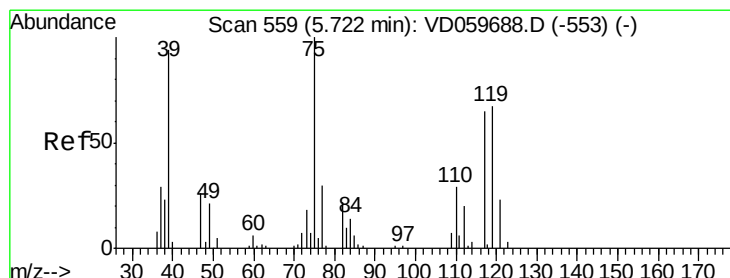
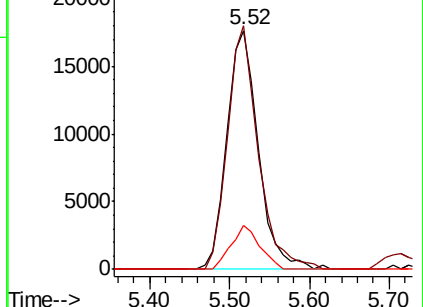
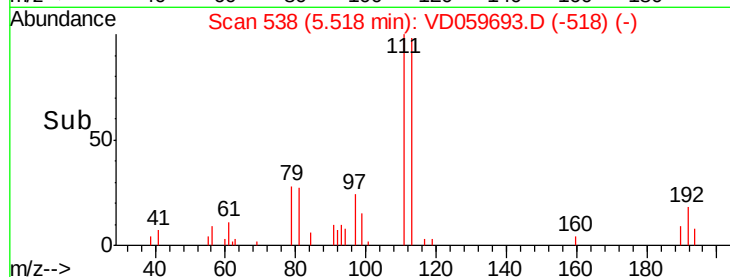
192 18.2 14.6 22.0



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: 19.515 ug/l

RT: 5.70 min Scan# 557

Delta R.T. -0.02 min

Lab File: VD059693.D

Acq: 6 Aug 2018 14:28

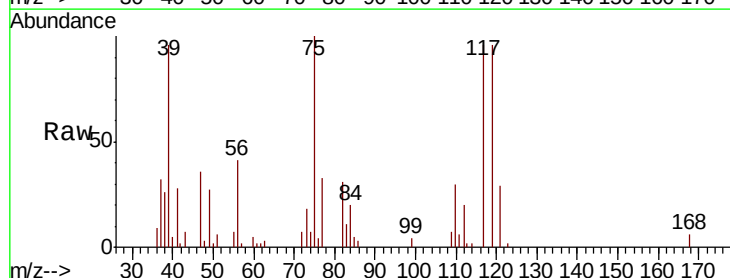
Tgt Ion: 75 Resp: 55342

Ion Ratio Lower Upper

75 100

110 29.9 14.1 42.3

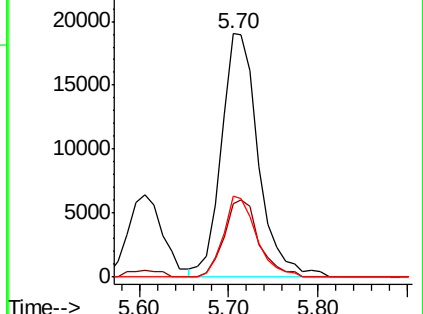
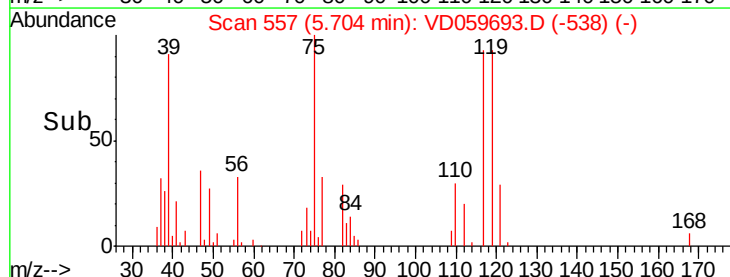
77 33.1 23.9 35.9

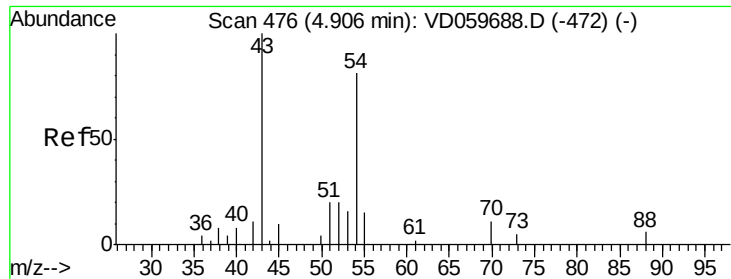


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

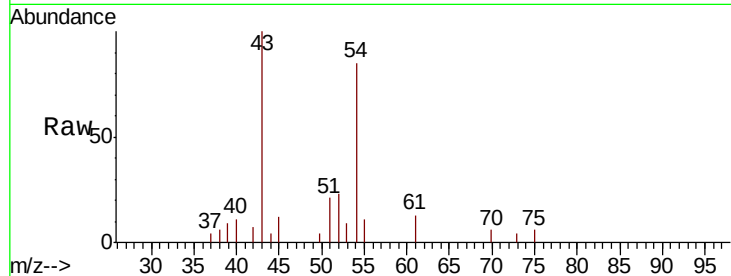




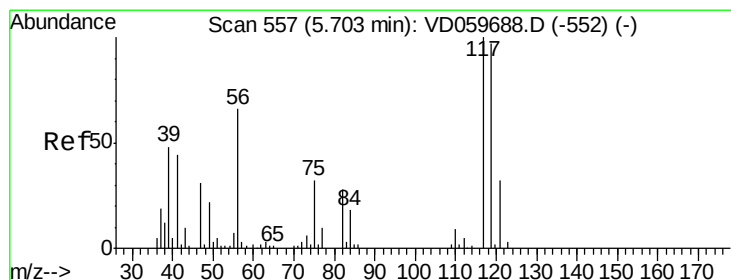
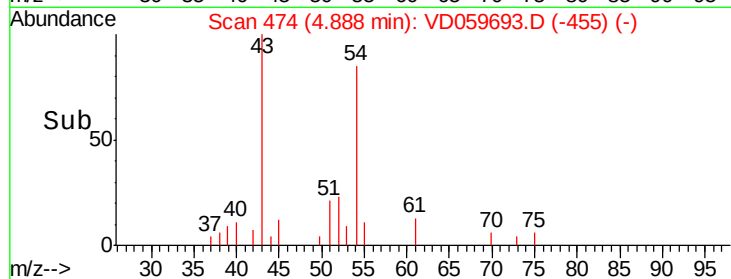
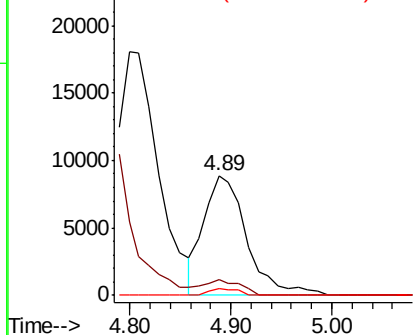
#37
Ethyl Acetate
Concen: 19.685 ug/l
RT: 4.89 min Scan# 474
Delta R.T. -0.02 min
Lab File: VD059693.D
Acq: 6 Aug 2018 14:28

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 26257
Ion Ratio Lower Upper
43 100
61 13.1 10.1 15.1
70 6.0 5.4 8.2

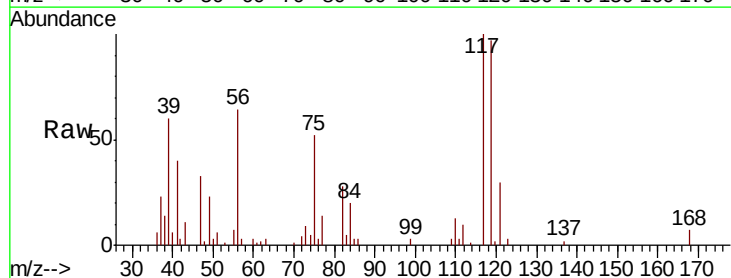


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

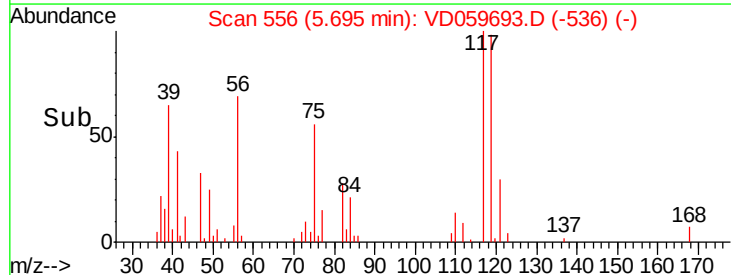
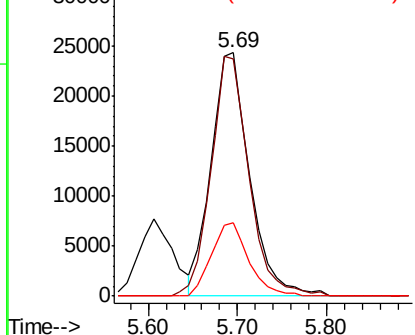


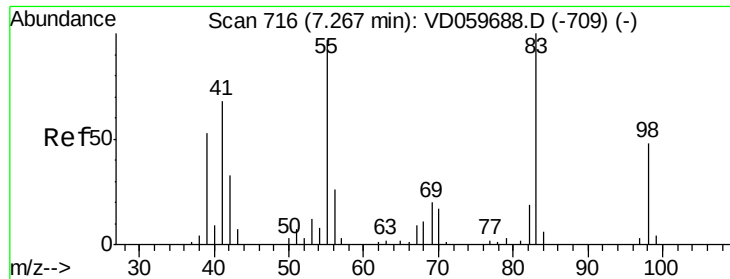
#38
Carbon Tetrachloride
Concen: 19.147 ug/l
RT: 5.69 min Scan# 556
Delta R.T. -0.01 min
Lab File: VD059693.D
Acq: 6 Aug 2018 14:28

Tgt Ion: 117 Resp: 73541
Ion Ratio Lower Upper
117 100
119 97.4 75.3 112.9
121 30.0 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

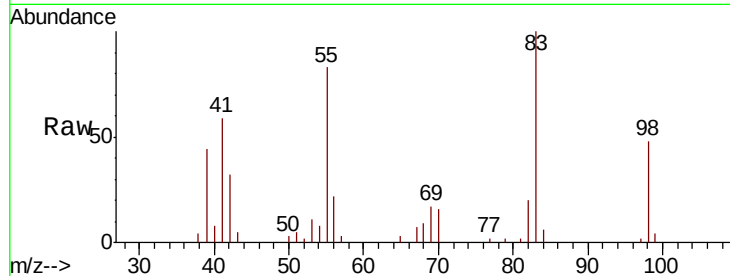




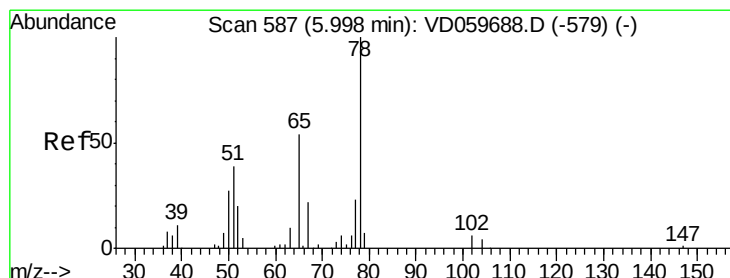
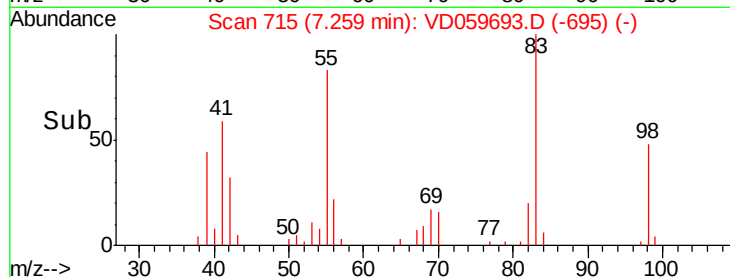
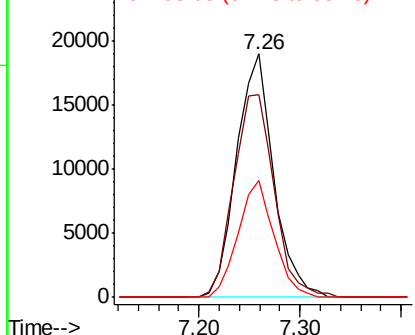
#39
Methylvlcyclohexane
Concen: 20.740 ug/l
RT: 7.26 min Scan# 715
Delta R.T. -0.01 min
Lab File: VD059693.D
Acq: 6 Aug 2018 14:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 48682
Ion Ratio Lower Upper
83 100
55 83.4 77.7 116.5
98 48.1 38.7 58.1

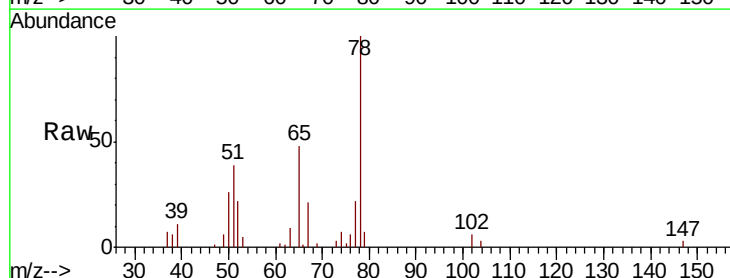


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

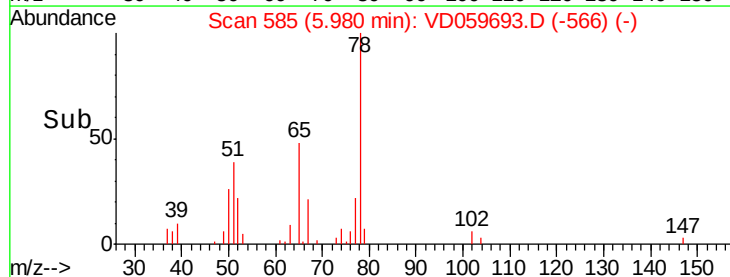
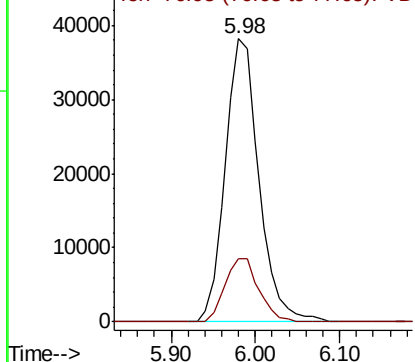


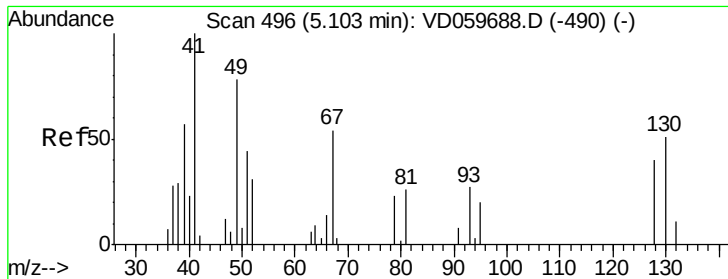
#40
Benzene
Concen: 19.370 ug/l
RT: 5.98 min Scan# 585
Delta R.T. -0.02 min
Lab File: VD059693.D
Acq: 6 Aug 2018 14:28

Tgt Ion: 78 Resp: 105873
Ion Ratio Lower Upper
78 100
77 22.4 18.4 27.6



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

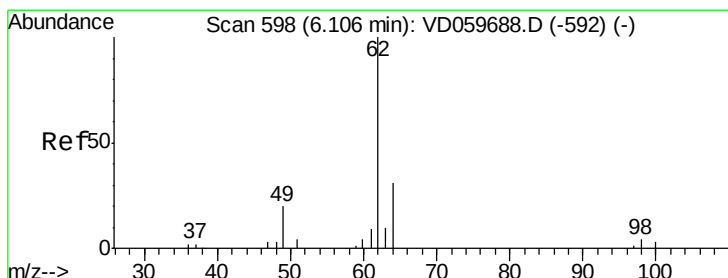
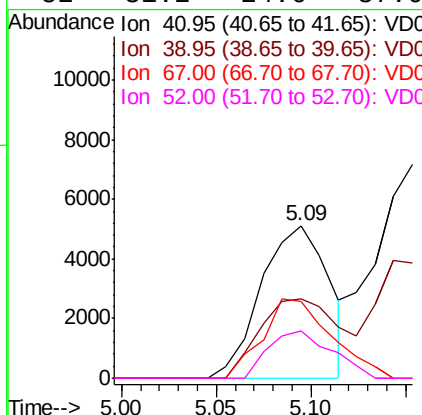
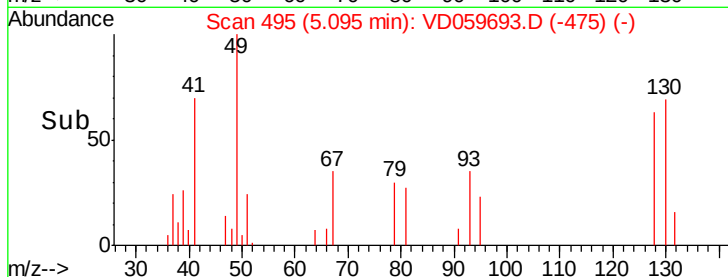
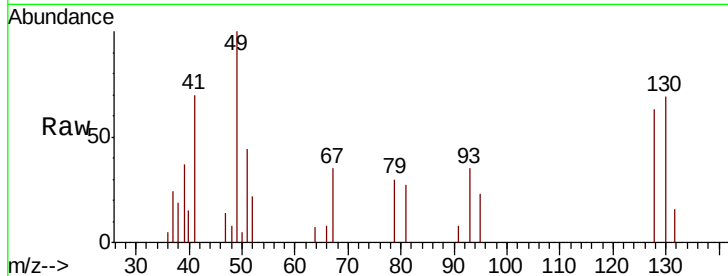




#41
Methacrylonitrile
Concen: 19.796 ug/l
RT: 5.09 min Scan# 495
Delta R.T. -0.01 min
Lab File: VD059693.D
Acq: 6 Aug 2018 14:28

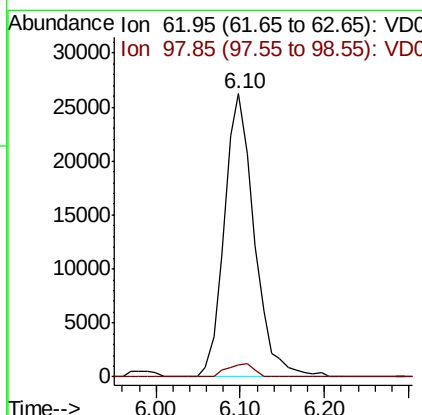
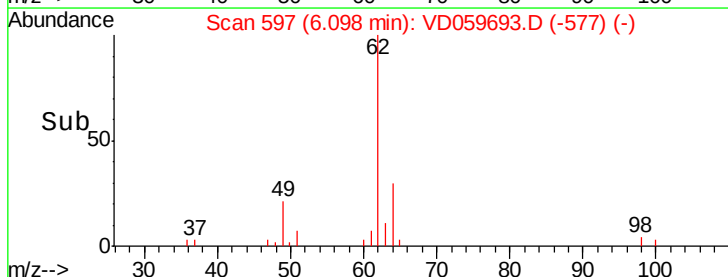
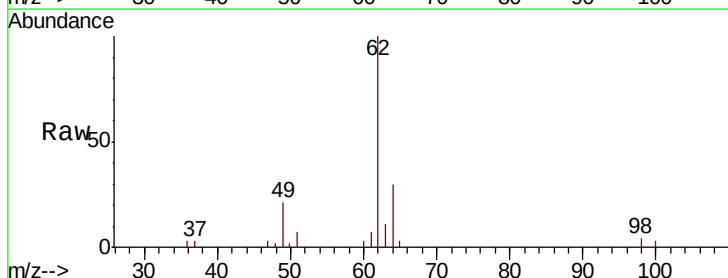
Instrument :
MSVOA_D
ClientSampleId :

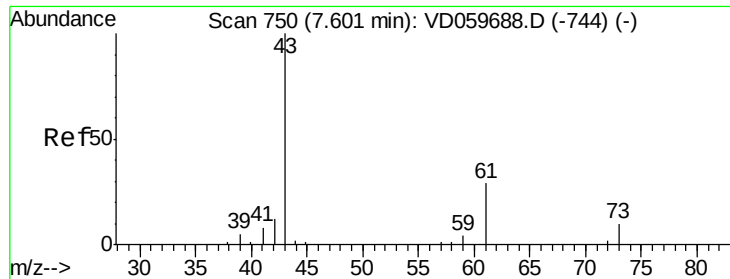
Tot Ion: 41 Resp: 12793
Ion Ratio Lower Upper
41 100
39 52.1 45.8 68.8
67 50.0 43.4 65.2
52 31.2 24.6 37.0



#42
1,2-Dichloroethane
Concen: 19.288 ug/l
RT: 6.10 min Scan# 597
Delta R.T. -0.01 min
Lab File: VD059693.D
Acq: 6 Aug 2018 14:28

Tgt Ion: 62 Resp: 64915
Ion Ratio Lower Upper
62 100
98 4.4 0.0 8.8





#43

Isopropyl Acetate

Concen: 19.416 ug/l

RT: 7.59 min Scan# 749

Delta R.T. -0.01 min

Lab File: VD059693.D

Acq: 6 Aug 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

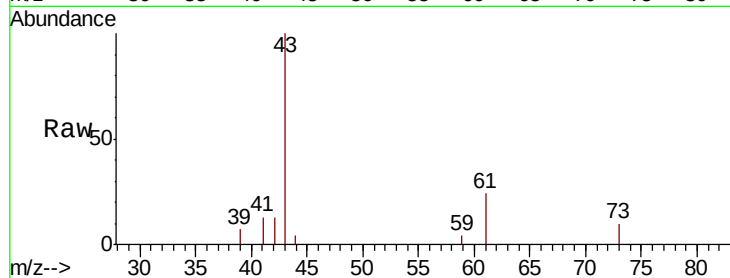
Tot Ion: 43 Resp: 34311

Ion Ratio Lower Upper

43 100

61 24.0 22.9 34.3

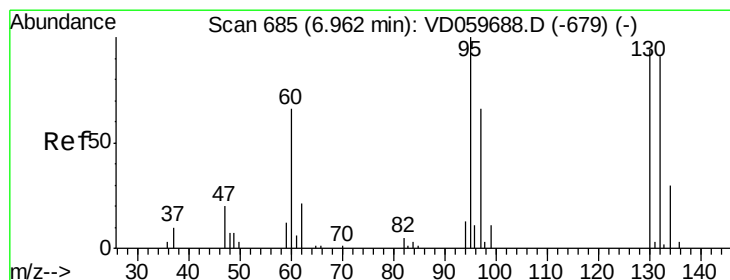
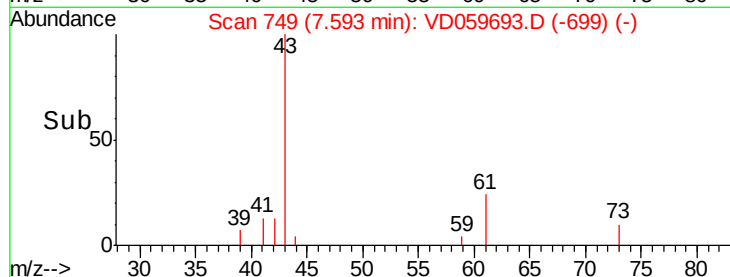
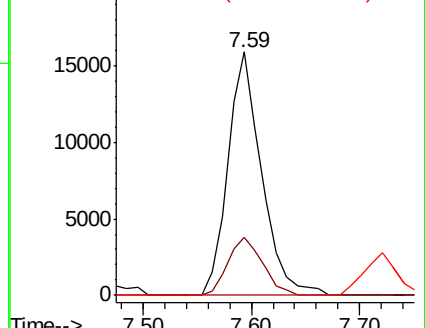
87 0.0 0.0 0.0



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: 18.980 ug/l

RT: 6.95 min Scan# 684

Delta R.T. -0.01 min

Lab File: VD059693.D

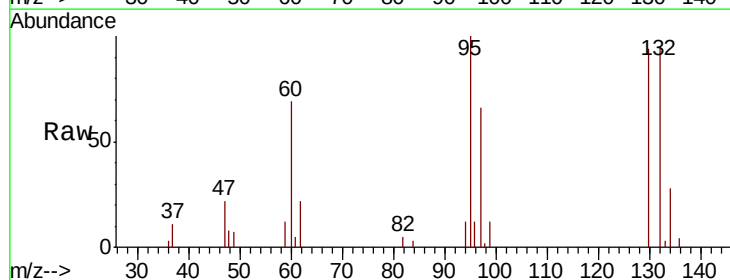
Acq: 6 Aug 2018 14:28

Tgt Ion:130 Resp: 37854

Ion Ratio Lower Upper

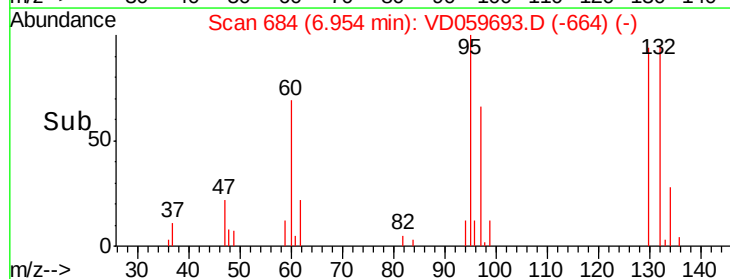
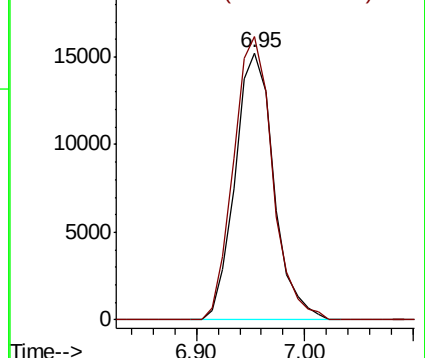
130 100

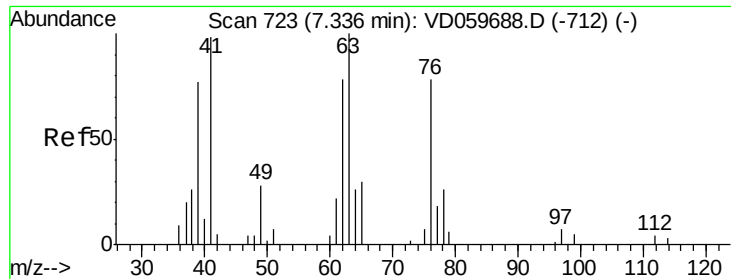
95 106.0 0.0 212.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

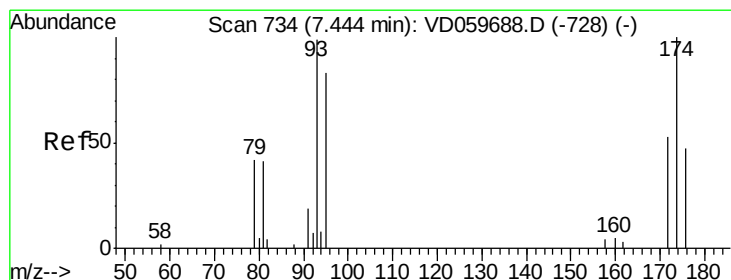
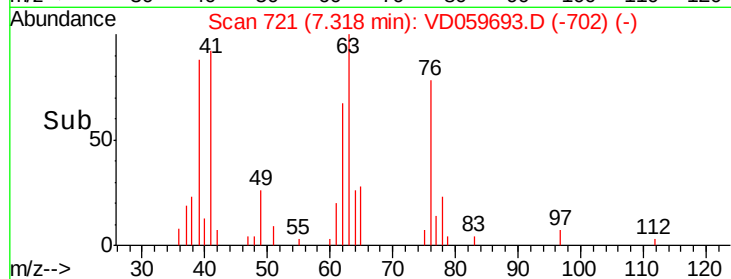
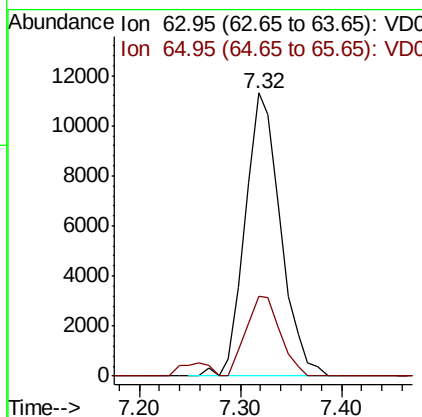
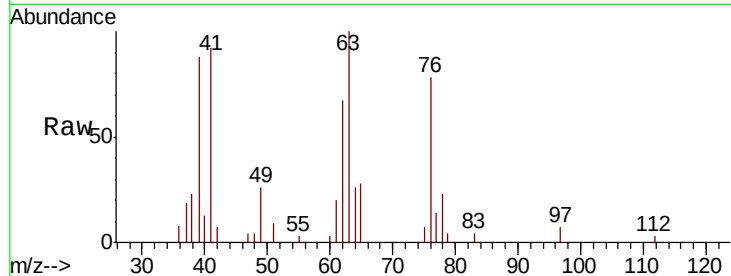




#45
 1,2-Dichloropropane
 Concen: 19.542 ug/l
 RT: 7.32 min Scan# 721
 Delta R.T. -0.02 min
 Lab File: VD059693.D
 Acq: 6 Aug 2018 14:28

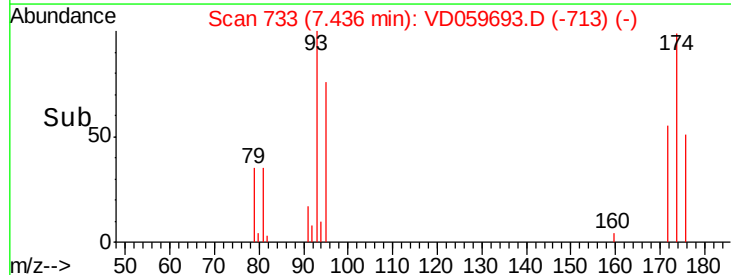
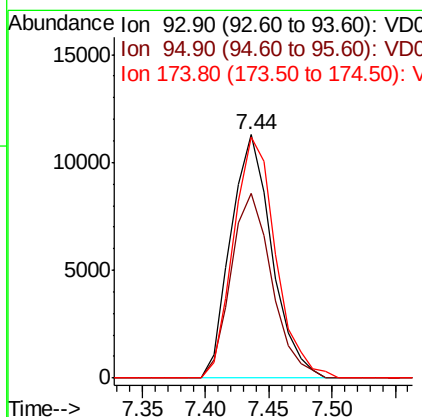
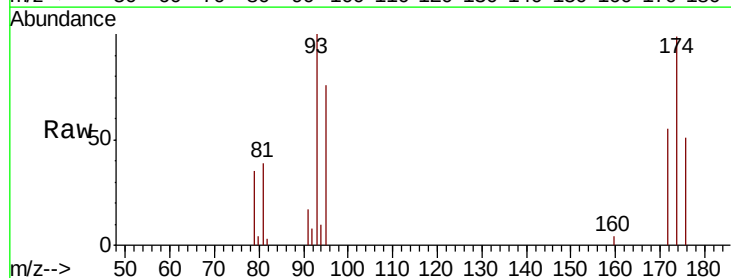
Instrument :
 MSVOA_D
 ClientSampleId :

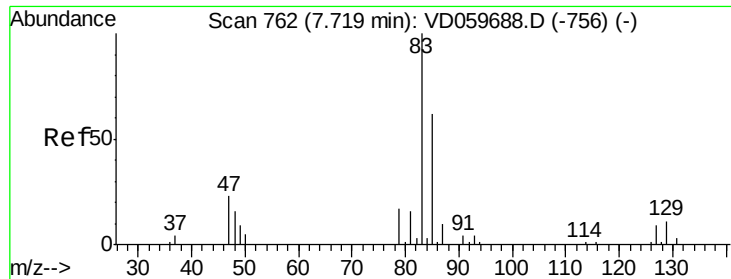
Tot Ion: 63 Resp: 27594
 Ion Ratio Lower Upper
 63 100
 65 28.1 24.2 36.4



#46
 Dibromomethane
 Concen: 20.494 ug/l
 RT: 7.44 min Scan# 733
 Delta R.T. -0.01 min
 Lab File: VD059693.D
 Acq: 6 Aug 2018 14:28

Tgt Ion: 93 Resp: 25468
 Ion Ratio Lower Upper
 93 100
 95 75.9 66.6 100.0
 174 98.9 80.6 120.8





#47

Bromodichloromethane

Concen: 19.331 ug/l

RT: 7.72 min Scan# 762

Delta R.T. 0.00 min

Lab File: VD059693.D

Acq: 6 Aug 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

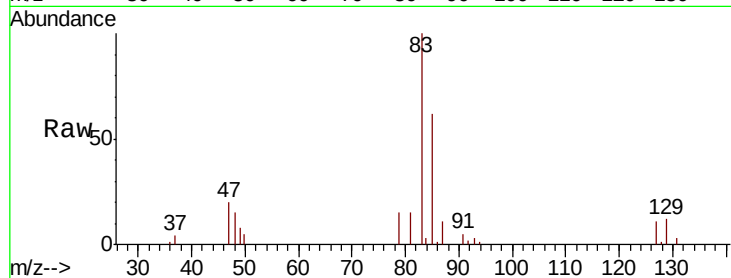
Tot Ion: 83 Resp: 61597

Ion Ratio Lower Upper

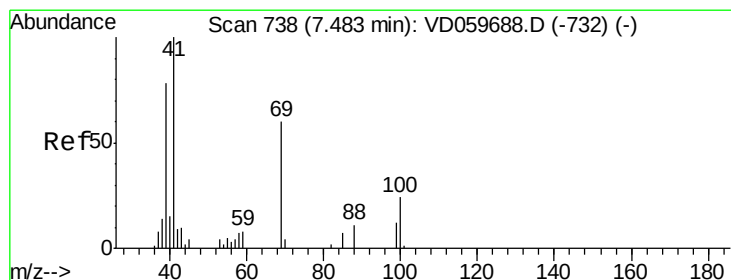
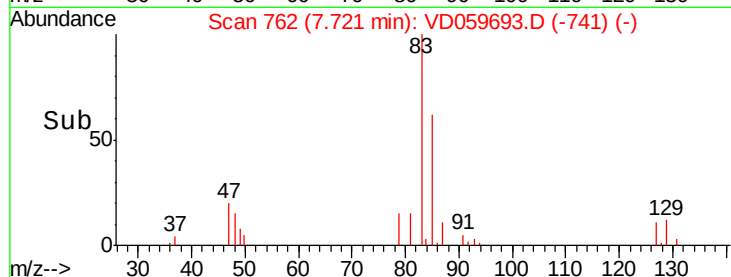
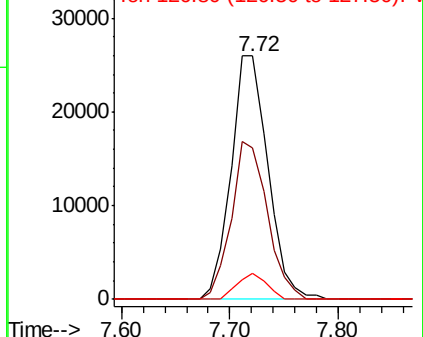
83 100

85 62.1 49.8 74.8

127 10.5 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: 18.836 ug/l

RT: 7.48 min Scan# 737

Delta R.T. -0.01 min

Lab File: VD059693.D

Acq: 6 Aug 2018 14:28

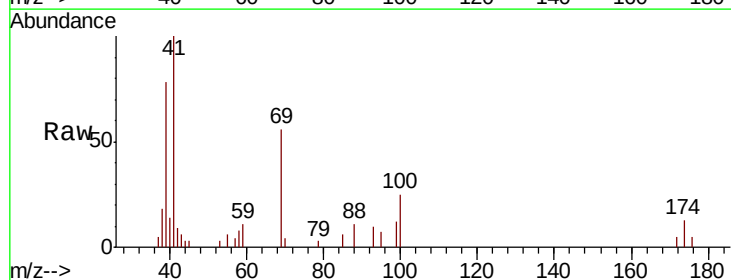
Tgt Ion: 41 Resp: 22052

Ion Ratio Lower Upper

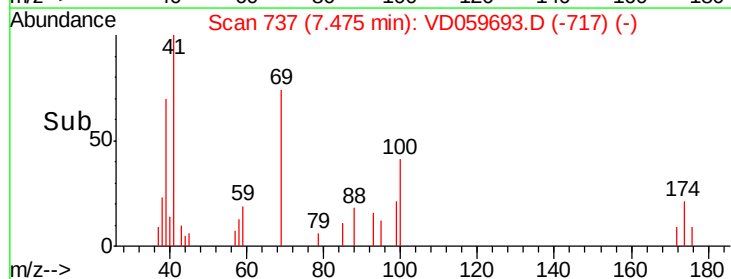
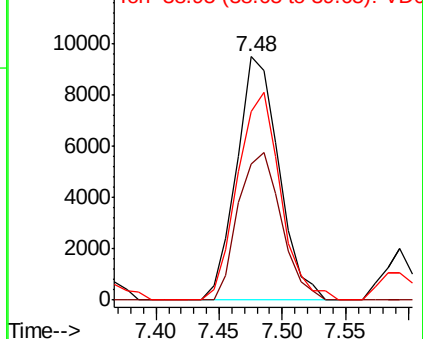
41 100

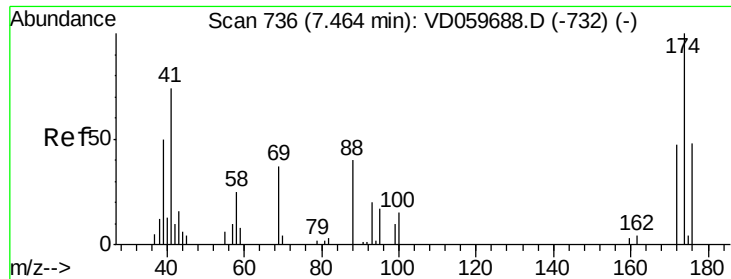
69 56.1 47.3 70.9

39 77.7 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

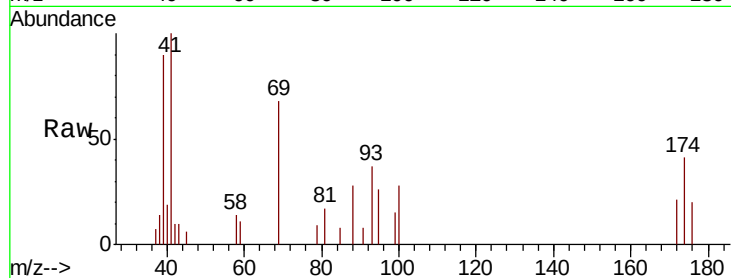




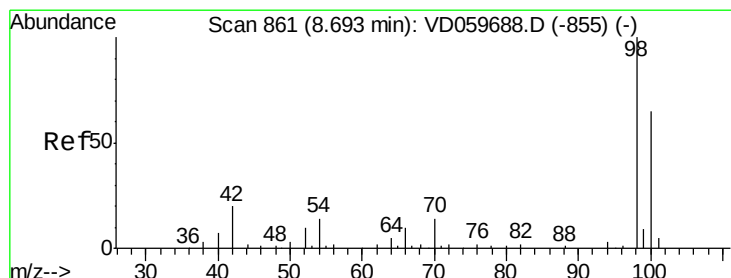
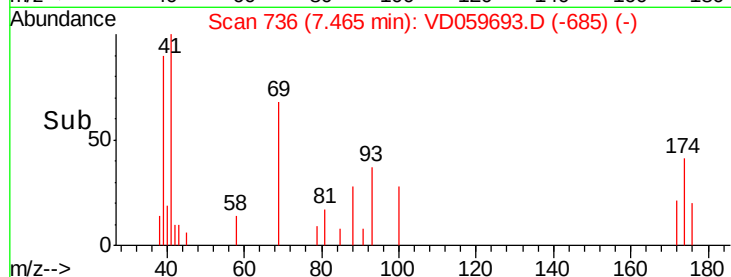
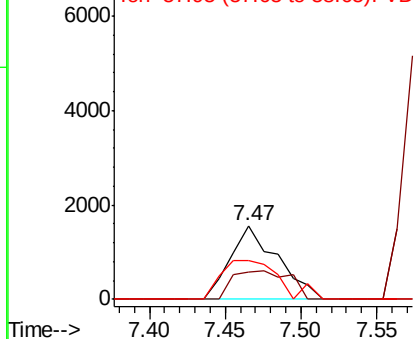
#49
1,4-Dioxane
Concen: 368.224 ug/l
RT: 7.47 min Scan# 736
Delta R.T. 0.00 min
Lab File: VD059693.D
Acq: 6 Aug 2018 14:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 3353
Ion Ratio Lower Upper
88 100
43 37.6 32.2 48.2
58 52.1 51.5 77.3

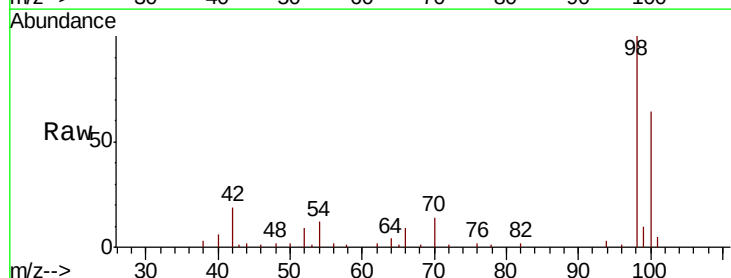


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

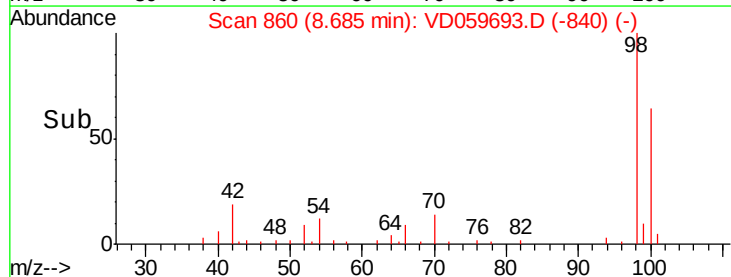
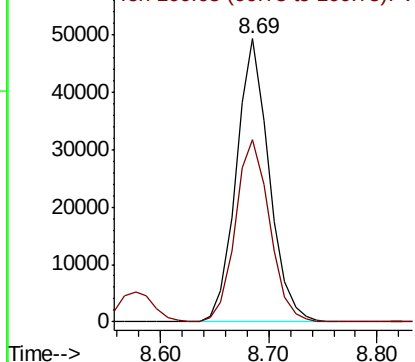


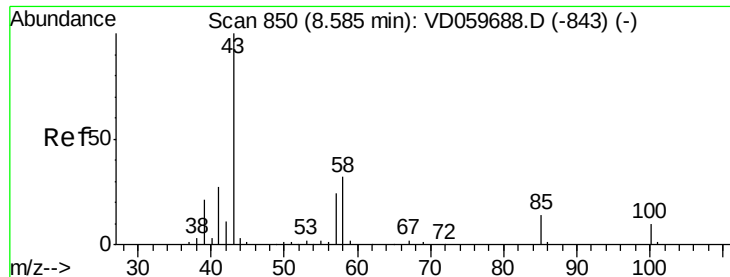
#50
Toluene-d8
Concen: 368.224 ug/l
RT: 8.69 min Scan# 860
Delta R.T. -0.01 min
Lab File: VD059693.D
Acq: 6 Aug 2018 14:28

Tgt Ion: 98 Resp: 103486
Ion Ratio Lower Upper
98 100
100 64.3 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: 88.122 ug/l

RT: 8.58 min Scan# 849

Delta R.T. -0.01 min

Lab File: VD059693.D

Acq: 6 Aug 2018 14:28

Instrument :

MSVOA_D

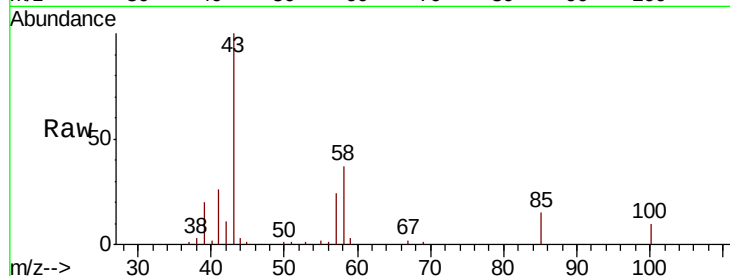
ClientSampled :

Tot Ion: 43 Resp: 113393

Ion Ratio Lower Upper

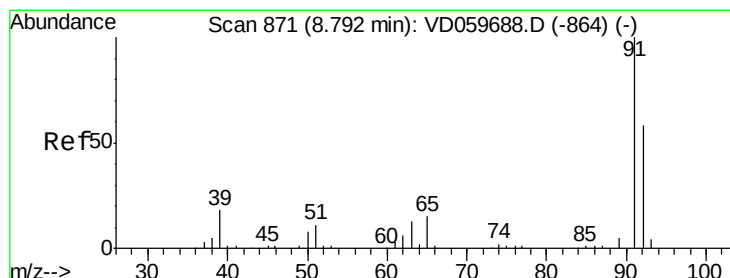
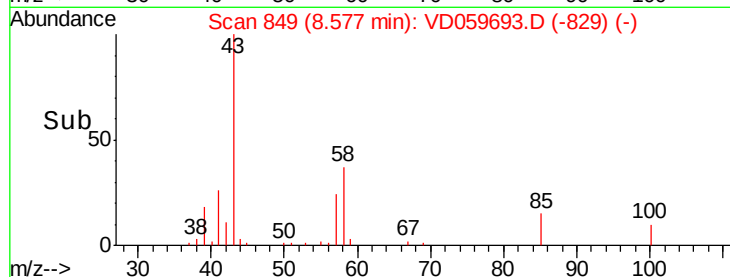
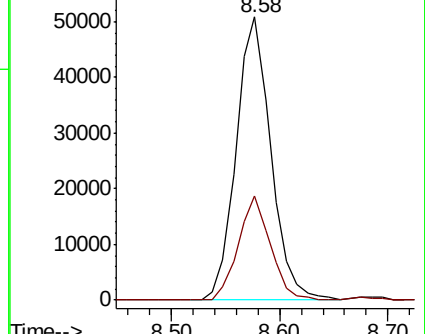
43 100

58 36.7 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: 19.706 ug/l

RT: 8.78 min Scan# 870

Delta R.T. -0.01 min

Lab File: VD059693.D

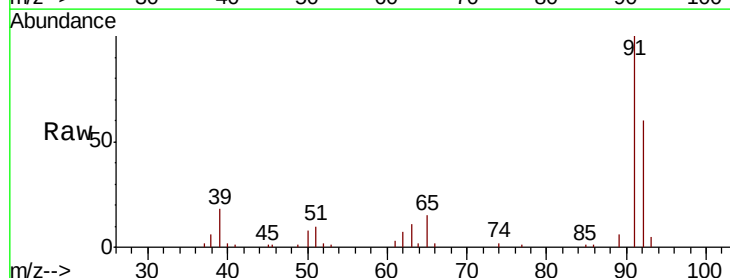
Acq: 6 Aug 2018 14:28

Tgt Ion: 92 Resp: 67853

Ion Ratio Lower Upper

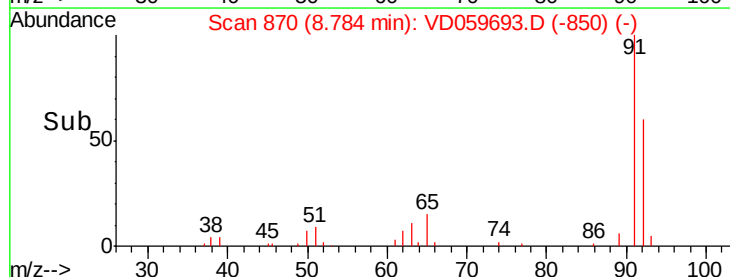
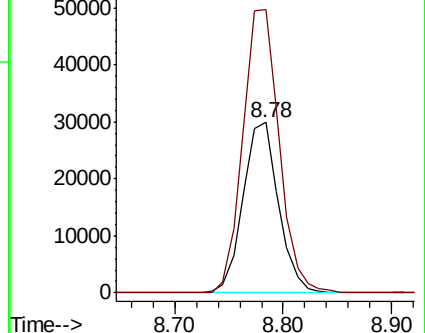
92 100

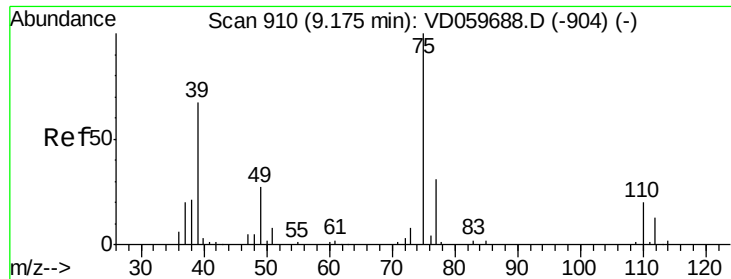
91 166.2 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

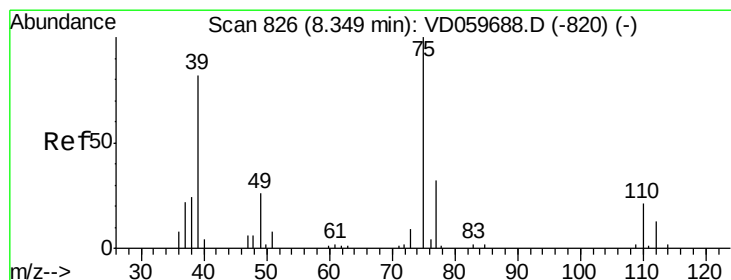
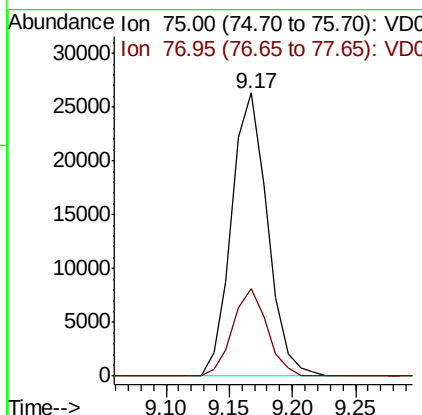
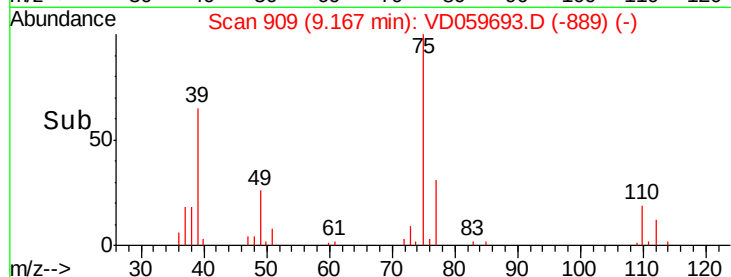
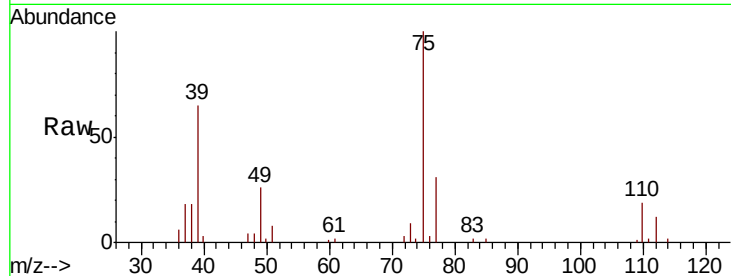




#53
 t-1,3-Dichloropropene
 Concen: 19.195 ug/l
 RT: 9.17 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: VD059693.D
 Acq: 6 Aug 2018 14:28

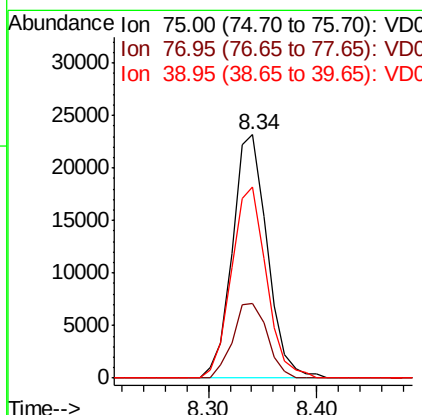
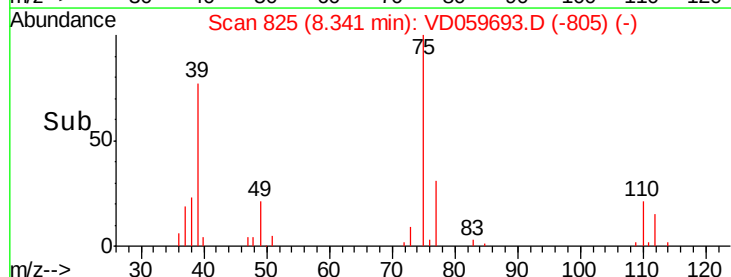
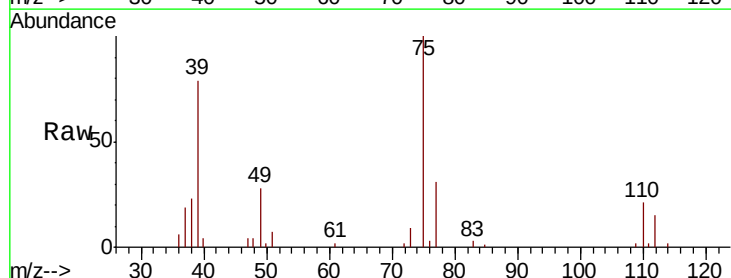
Instrument :
 MSVOA_D
 ClientSampleId :

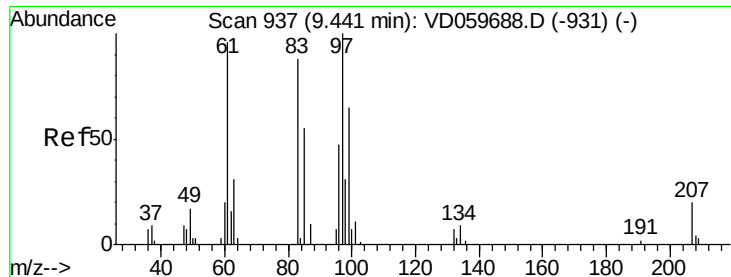
Tot Ion: 75 Resp: 51800
 Ion Ratio Lower Upper
 75 100
 77 30.8 24.7 37.1



#54
 cis-1,3-Dichloropropene
 Concen: 19.028 ug/l
 RT: 8.34 min Scan# 825
 Delta R.T. -0.01 min
 Lab File: VD059693.D
 Acq: 6 Aug 2018 14:28

Tgt Ion: 75 Resp: 51824
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.5 38.3
 39 78.7 65.4 98.2

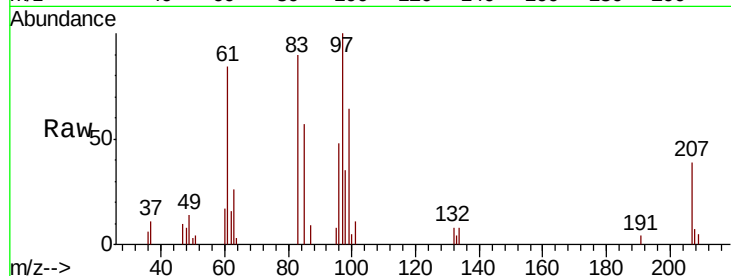




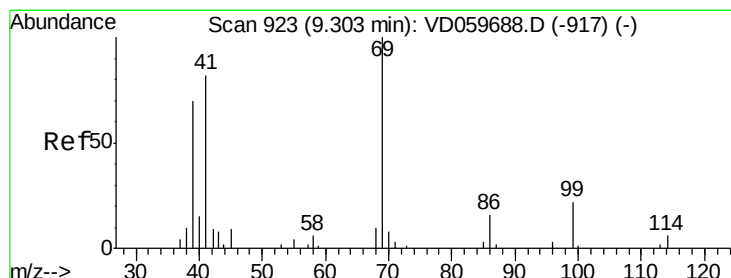
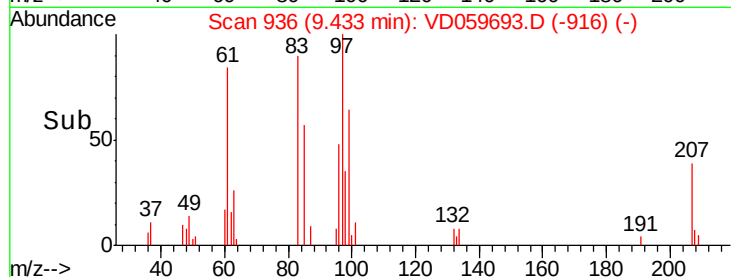
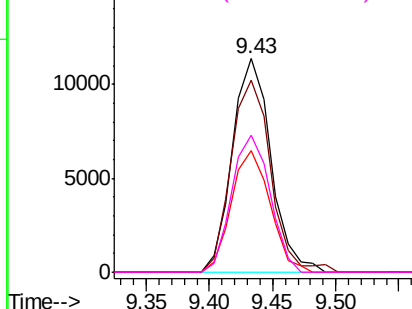
#55
 1,1,2-Trichloroethane
 Concen: 18.250 ug/l
 RT: 9.43 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VD059693.D
 Acq: 6 Aug 2018 14:28

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 97 Resp: 24097
 Ion Ratio Lower Upper
 97 100
 83 90.0 70.8 106.2
 85 56.9 44.1 66.1
 99 64.2 52.2 78.4

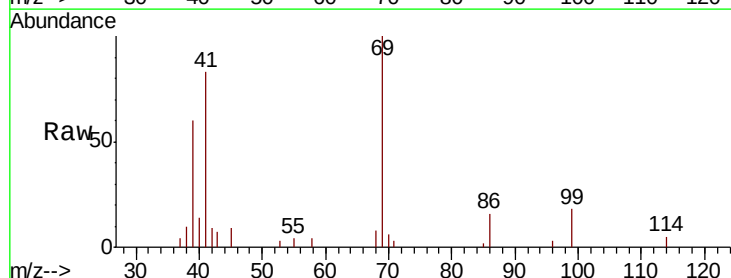


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

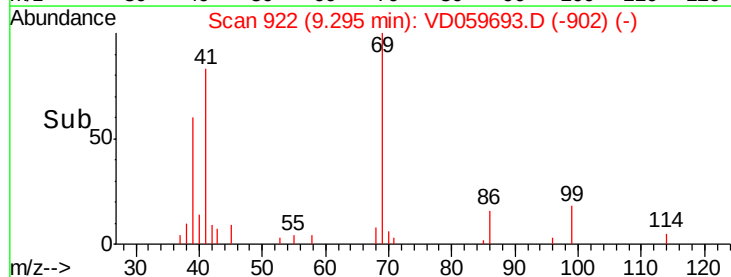
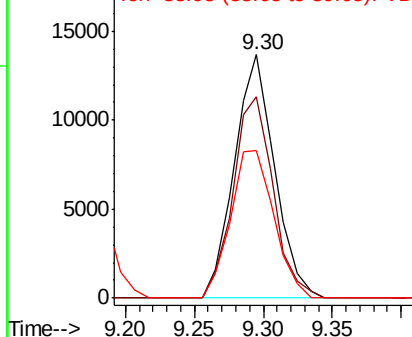


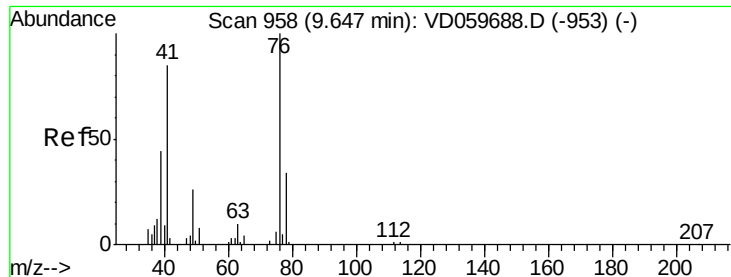
#56
 Ethyl methacrylate
 Concen: 18.589 ug/l
 RT: 9.30 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: VD059693.D
 Acq: 6 Aug 2018 14:28

Tgt Ion: 69 Resp: 27758
 Ion Ratio Lower Upper
 69 100
 41 82.8 65.7 98.5
 39 60.4 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: 18.995 ug/l

RT: 9.65 min Scan# 958

Delta R.T. 0.00 min

Lab File: VD059693.D

Acq: 6 Aug 2018 14:28

Instrument :

MSVOA_D

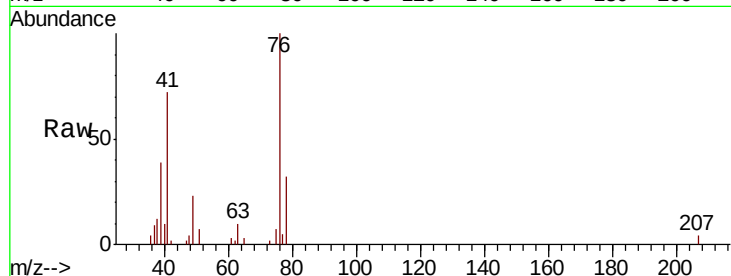
ClientSampled :

Tot Ion: 76 Resp: 40335

Ion Ratio Lower Upper

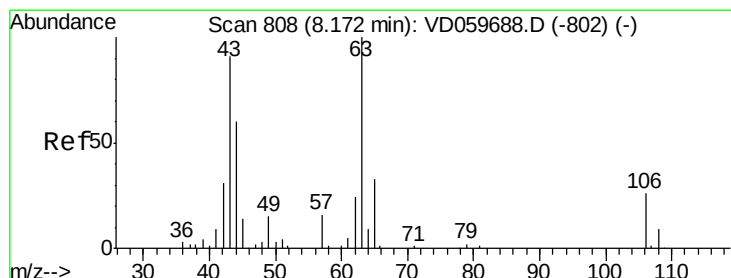
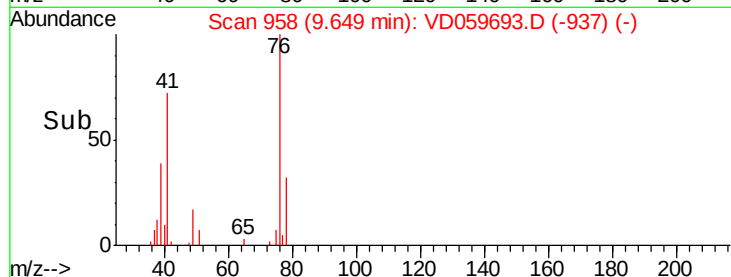
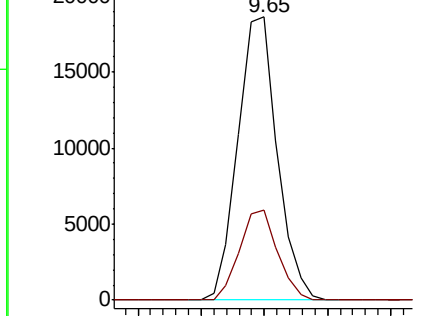
76 100

78 32.1 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: 108.806 ug/l

RT: 8.16 min Scan# 807

Delta R.T. -0.01 min

Lab File: VD059693.D

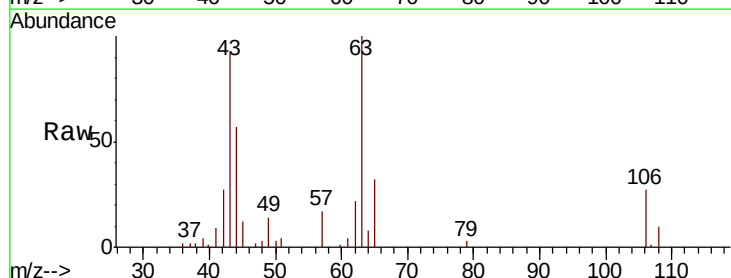
Acq: 6 Aug 2018 14:28

Tgt Ion: 63 Resp: 76682

Ion Ratio Lower Upper

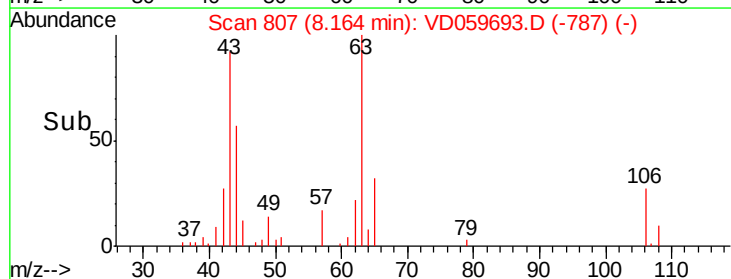
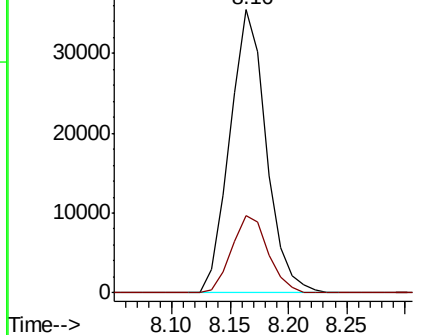
63 100

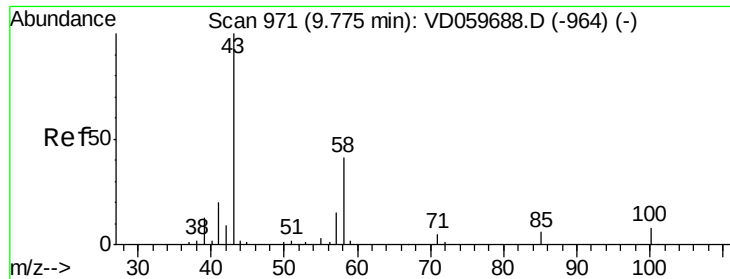
106 27.1 20.7 31.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

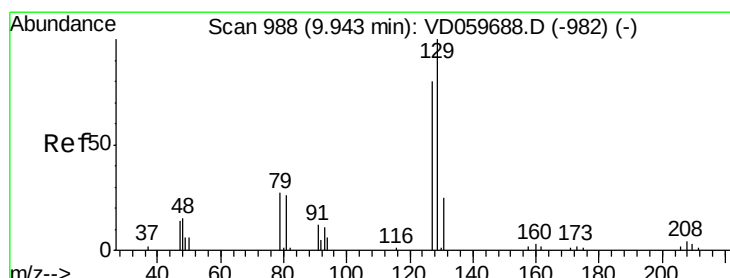
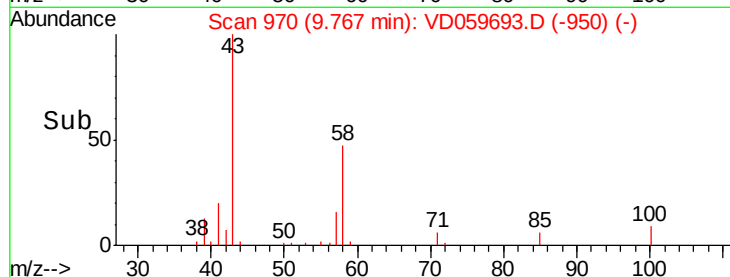
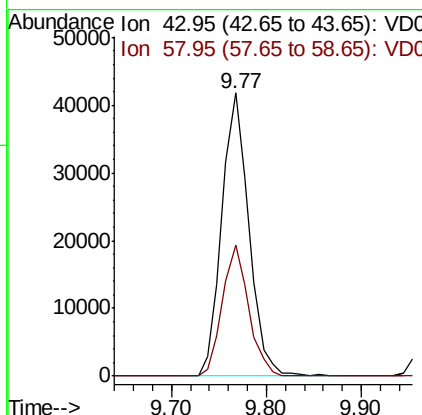
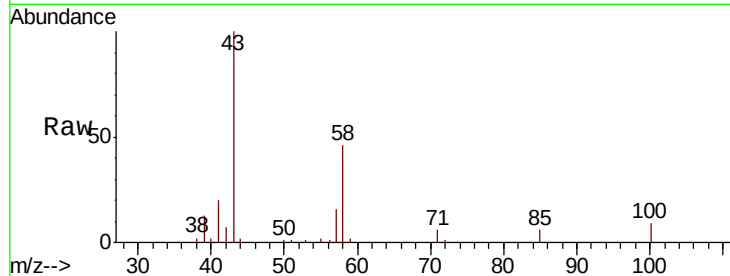




#59
2-Hexanone
Concen: 84.898 ug/l
RT: 9.77 min Scan# 970
Delta R.T. -0.01 min
Lab File: VD059693.D
Acq: 6 Aug 2018 14:28

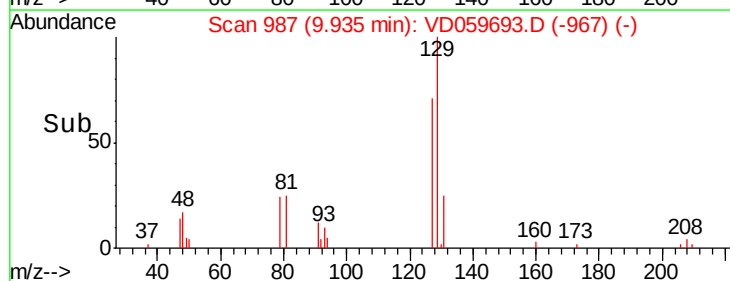
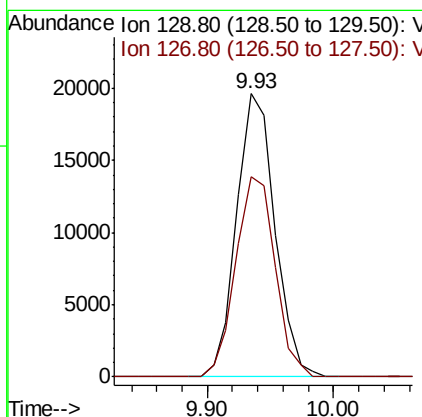
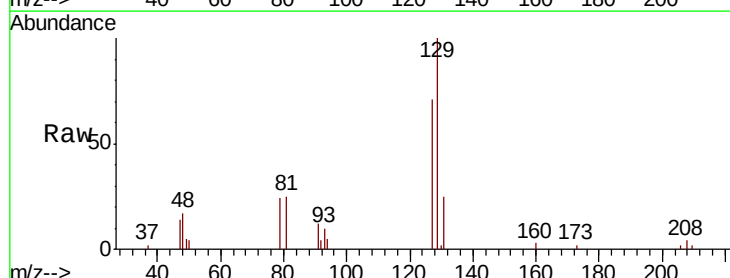
Instrument :
MSVOA_D
ClientSampleId :

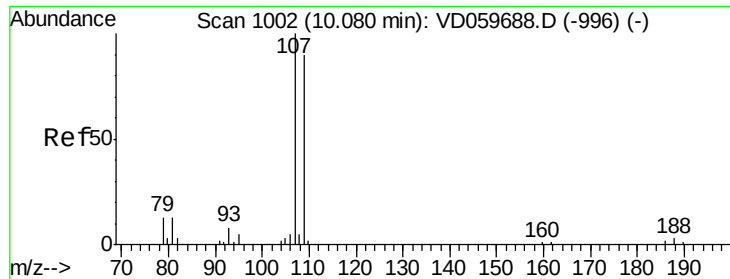
Tot Ion: 43 Resp: 82681
Ion Ratio Lower Upper
43 100
58 46.2 20.4 61.3



#60
Dibromochloromethane
Concen: 19.214 ug/l
RT: 9.93 min Scan# 987
Delta R.T. -0.01 min
Lab File: VD059693.D
Acq: 6 Aug 2018 14:28

Tgt Ion: 129 Resp: 41266
Ion Ratio Lower Upper
129 100
127 70.9 40.0 119.9





#61

1,2-Dibromoethane

Concen: 18.571 ug/l

RT: 10.07 min Scan# 1001

Delta R.T. -0.01 min

Lab File: VD059693.D

Acq: 6 Aug 2018 14:28

Instrument :

MSVOA_D

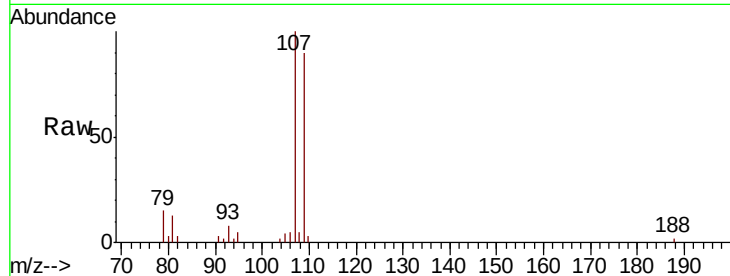
ClientSampleId :

Tot Ion:107 Resp: 28888

Ion Ratio Lower Upper

107 100

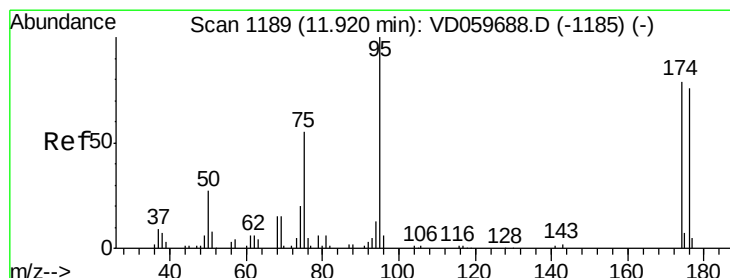
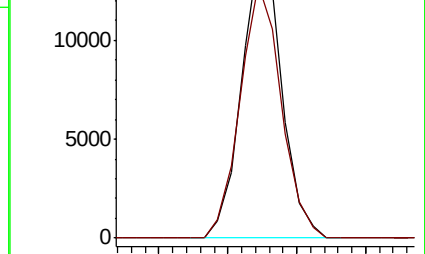
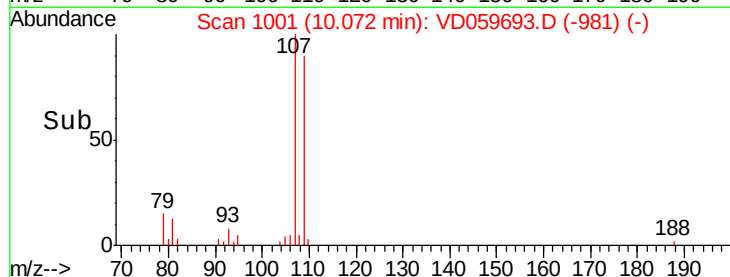
109 89.8 72.0 108.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.07



#62

4-Bromofluorobenzene

Concen: 18.571 ug/l

RT: 11.92 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD059693.D

Acq: 6 Aug 2018 14:28

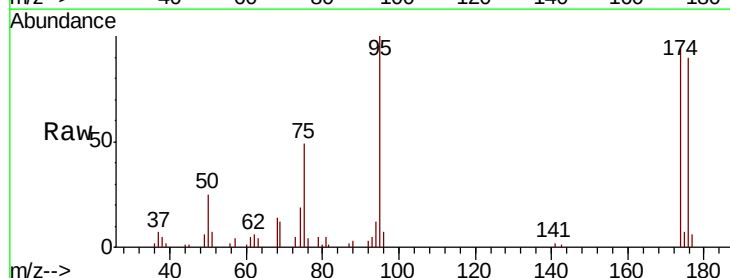
Tgt Ion: 95 Resp: 46599

Ion Ratio Lower Upper

95 100

174 94.3 0.0 158.4

176 89.8 0.0 153.0

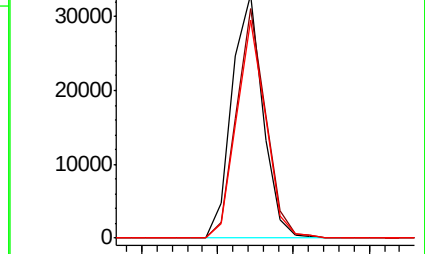
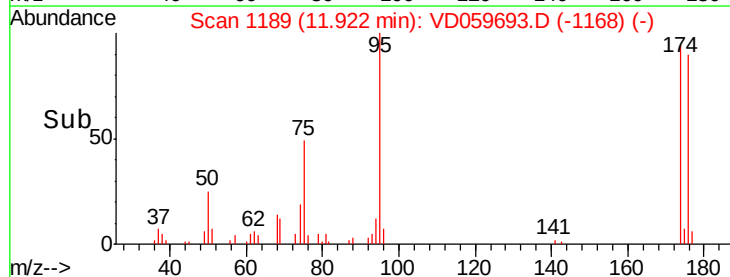


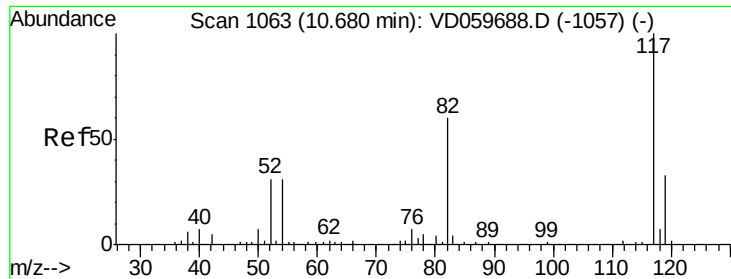
Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

11.92

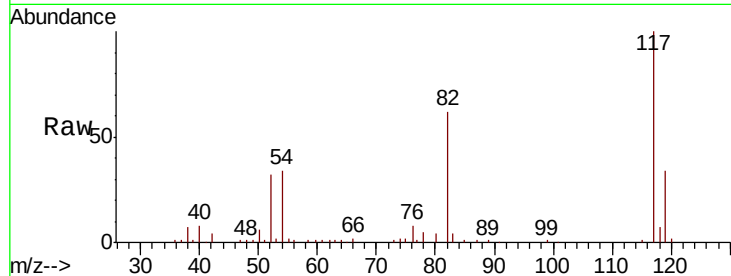




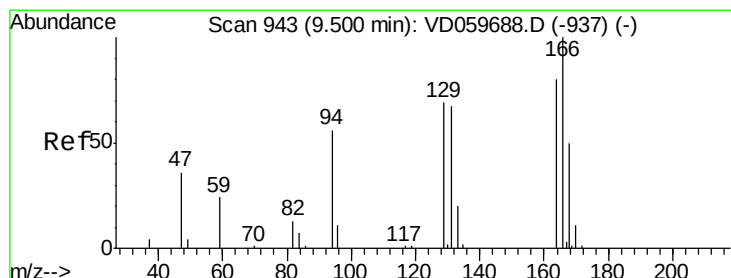
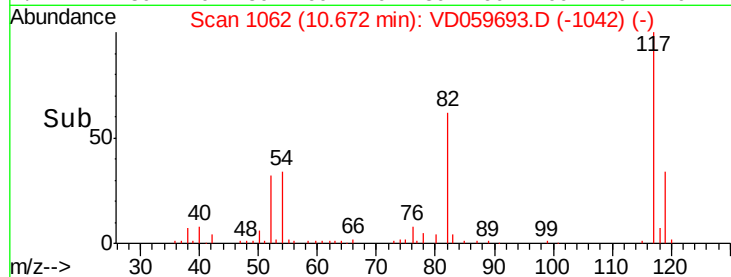
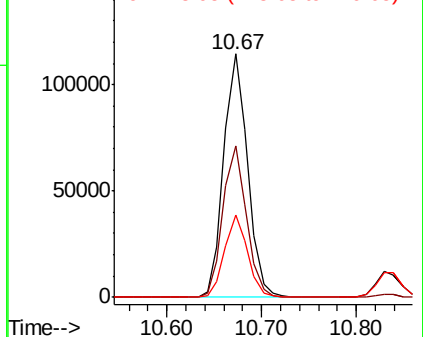
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.67 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VD059693.D
Acq: 6 Aug 2018 14:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 199685
Ion Ratio Lower Upper
117 100
82 62.3 47.7 71.5
119 33.7 26.6 40.0

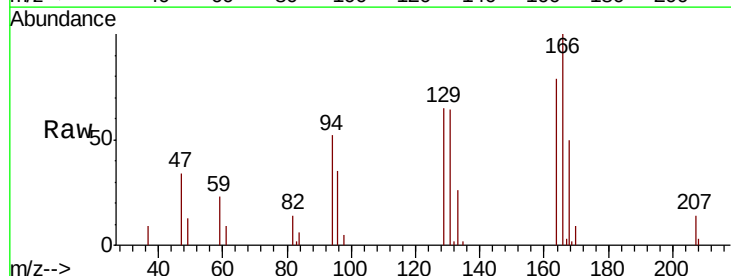


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

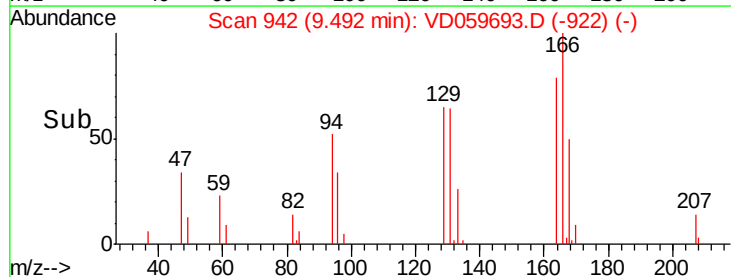
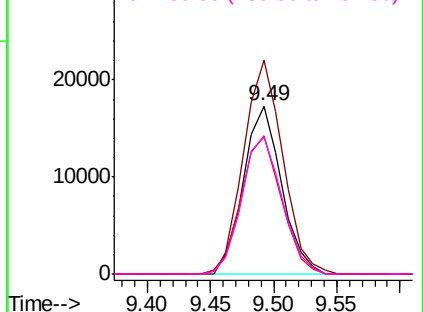


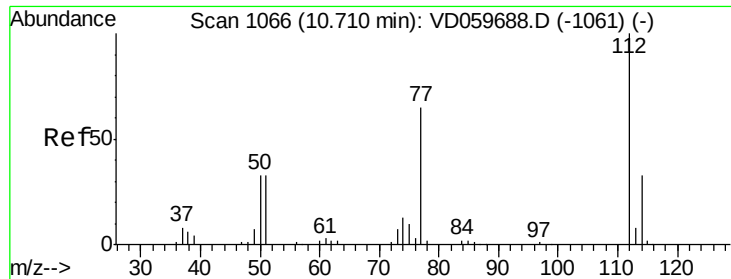
#64
Tetrachloroethene
Concen: 19.662 ug/l
RT: 9.49 min Scan# 942
Delta R.T. -0.01 min
Lab File: VD059693.D
Acq: 6 Aug 2018 14:28

Tgt Ion:164 Resp: 36550
Ion Ratio Lower Upper
164 100
166 127.1 100.5 150.7
129 82.5 69.3 103.9
131 81.6 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

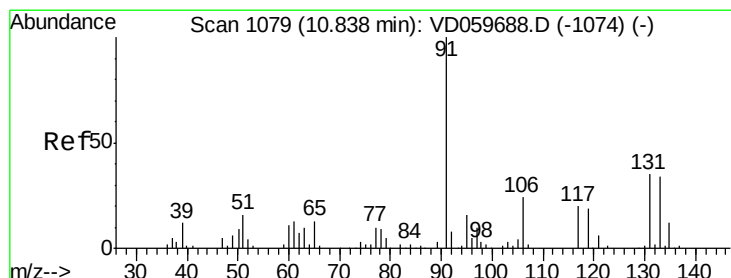
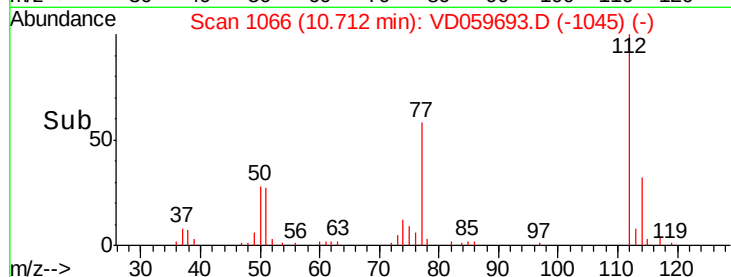
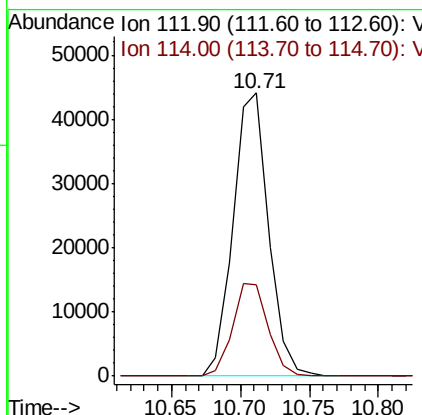
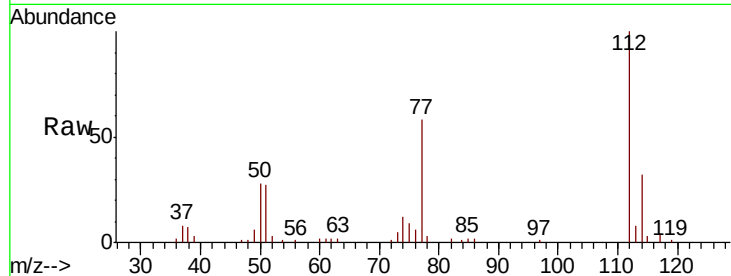




#65
Chlorobenzene
Concen: 19.424 ug/l
RT: 10.71 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VD059693.D
Acq: 6 Aug 2018 14:28

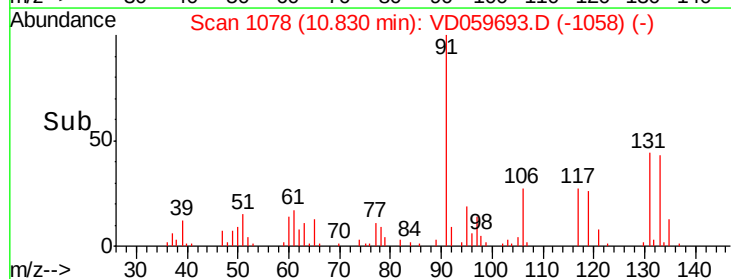
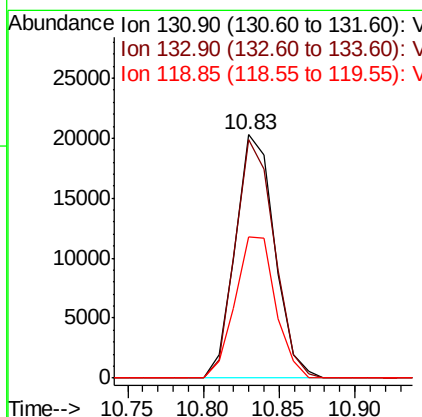
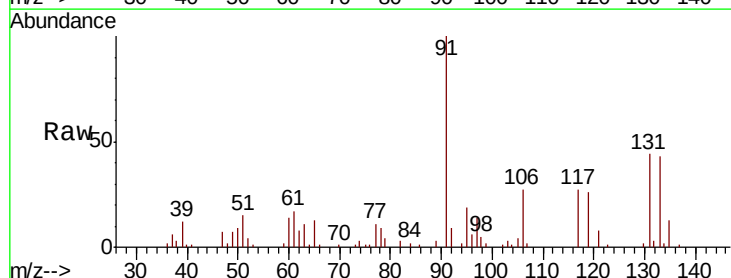
Instrument :
MSVOA_D
ClientSampleId :

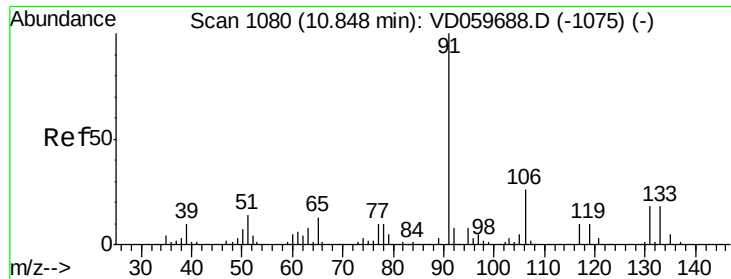
Tot Ion:112 Resp: 78728
Ion Ratio Lower Upper
112 100
114 32.2 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 20.035 ug/l
RT: 10.83 min Scan# 1078
Delta R.T. -0.01 min
Lab File: VD059693.D
Acq: 6 Aug 2018 14:28

Tgt Ion:131 Resp: 36502
Ion Ratio Lower Upper
131 100
133 97.9 49.7 149.1
119 58.0 27.0 80.8

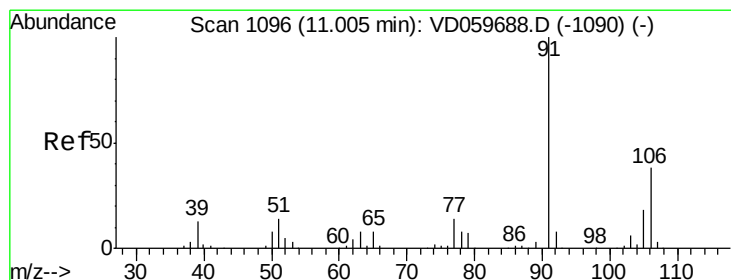
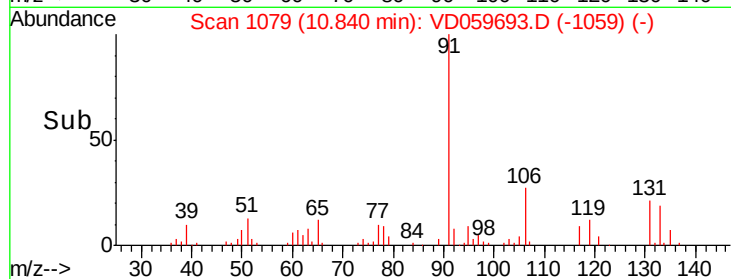
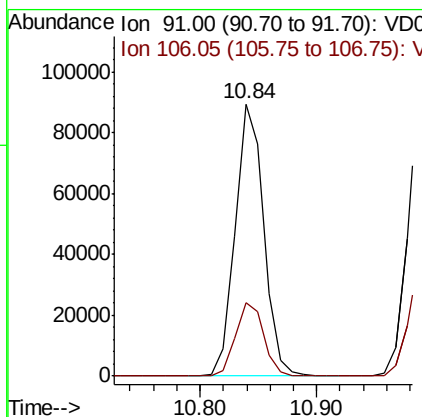
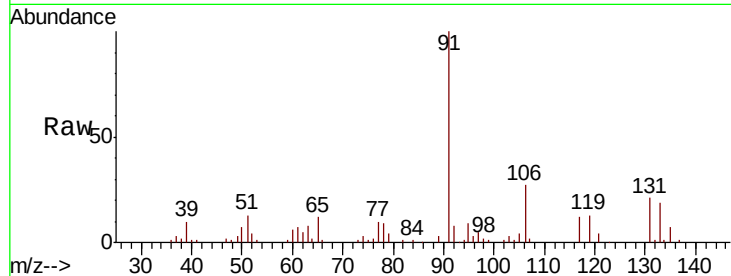




#67
Ethyl Benzene
Concen: 20.145 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VD059693.D
Acq: 6 Aug 2018 14:28

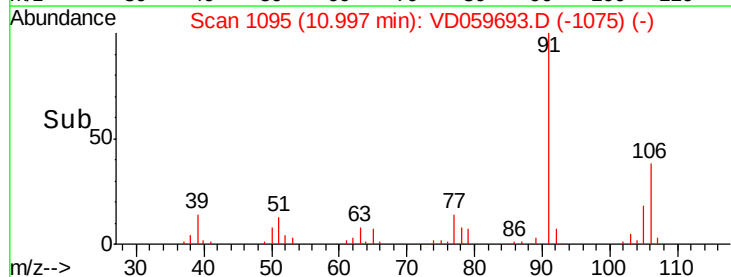
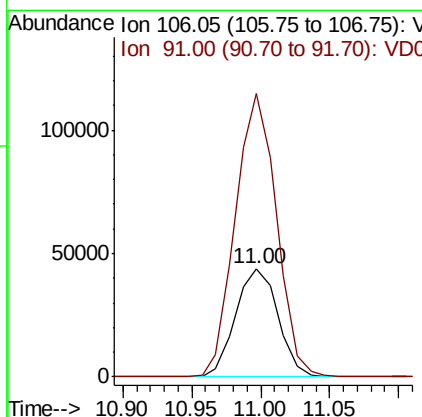
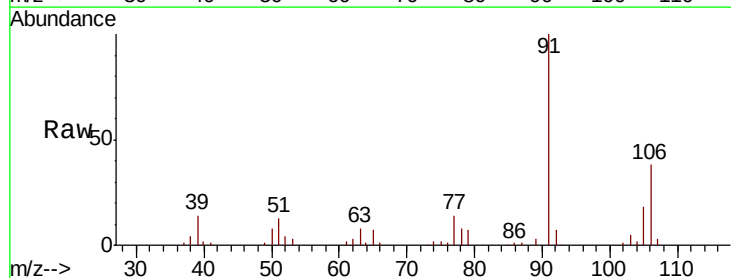
Instrument :
MSVOA_D
ClientSampled :

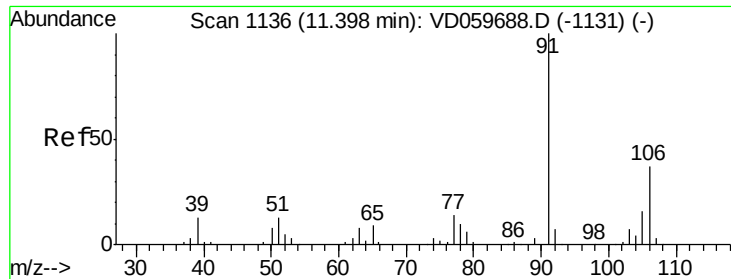
Tot Ion: 91 Resp: 150932
Ion Ratio Lower Upper
91 100
106 27.1 20.9 31.3



#68
m/p-Xylenes
Concen: 39.532 ug/l
RT: 11.00 min Scan# 1095
Delta R.T. -0.01 min
Lab File: VD059693.D
Acq: 6 Aug 2018 14:28

Tgt Ion: 106 Resp: 93983
Ion Ratio Lower Upper
106 100
91 261.6 209.7 314.5

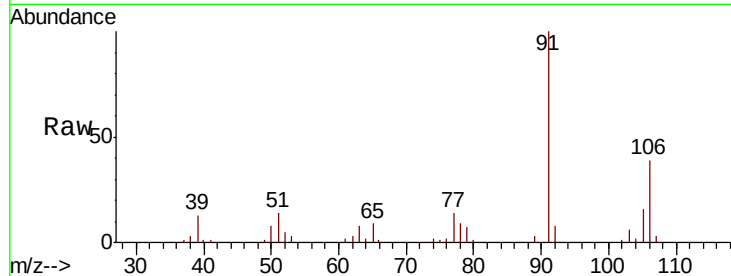




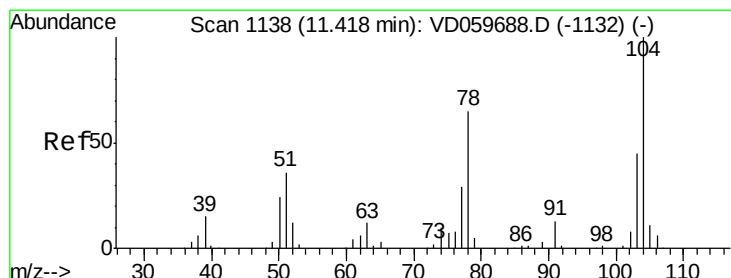
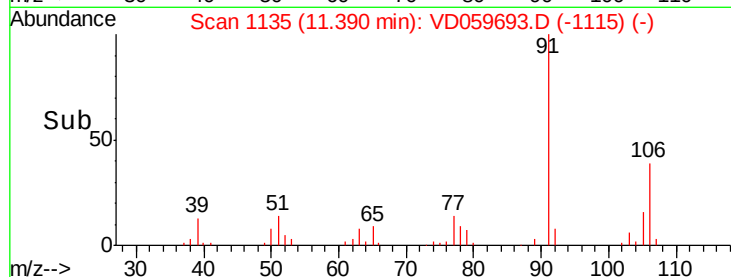
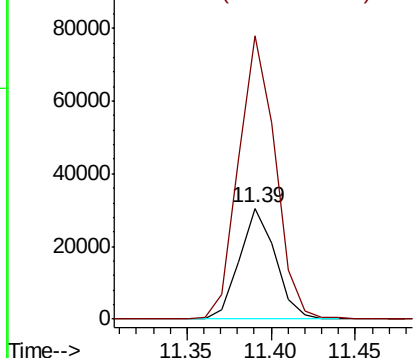
#69
o-Xylene
Concen: 19.327 ug/l
RT: 11.39 min Scan# 1135
Delta R.T. -0.01 min
Lab File: VD059693.D
Acq: 6 Aug 2018 14:28

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion:106 Resp: 45052
Ion Ratio Lower Upper
106 100
91 256.0 135.2 405.6

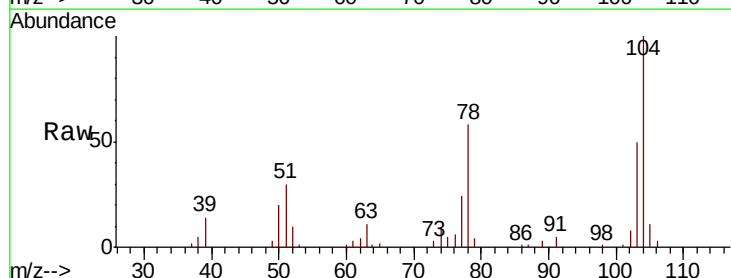


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

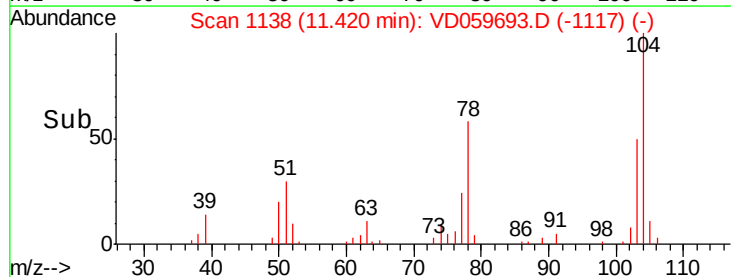
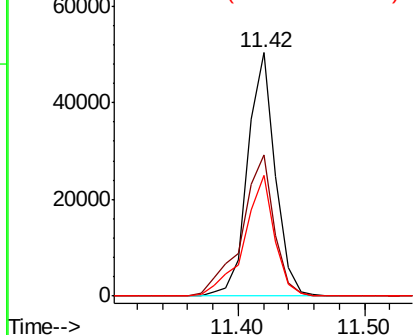


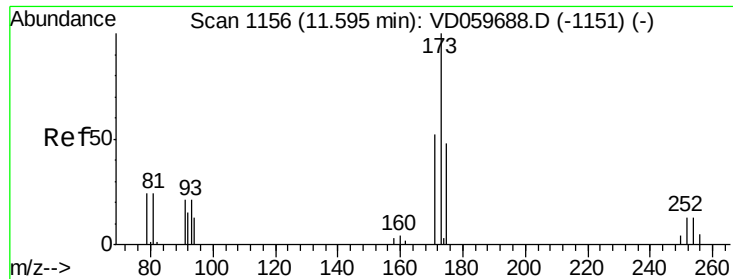
#70
Styrene
Concen: 19.741 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VD059693.D
Acq: 6 Aug 2018 14:28

Tgt Ion:104 Resp: 76138
Ion Ratio Lower Upper
104 100
78 58.1 51.9 77.9
103 49.8 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

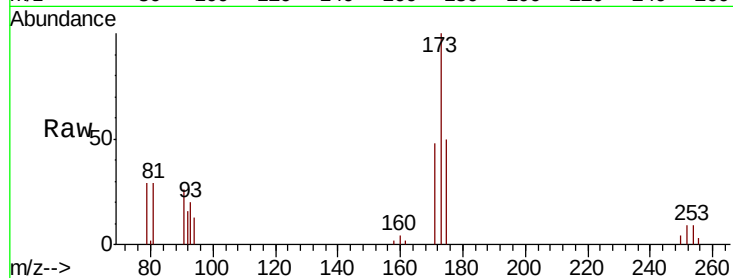




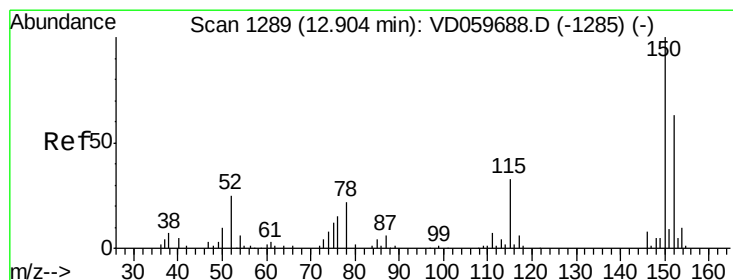
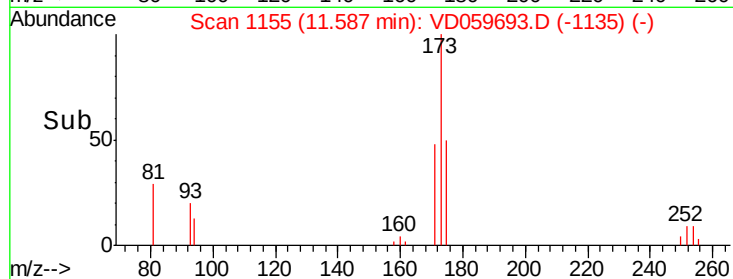
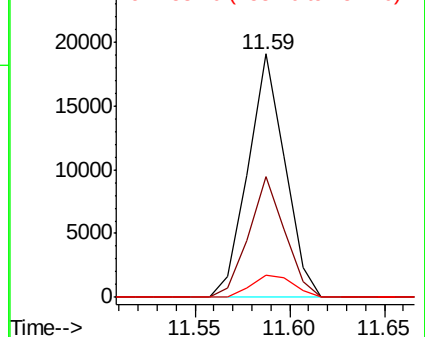
#71
Bromoform
Concen: 18.691 ug/l
RT: 11.59 min Scan# 1155
Delta R.T. -0.01 min
Lab File: VD059693.D
Acq: 6 Aug 2018 14:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 25746
Ion Ratio Lower Upper
173 100
175 49.6 24.1 72.4
254 9.0 10.6 16.0#

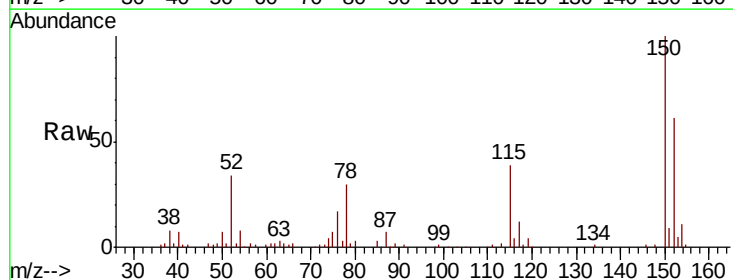


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

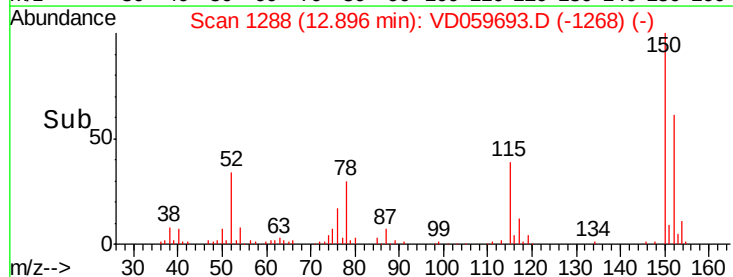
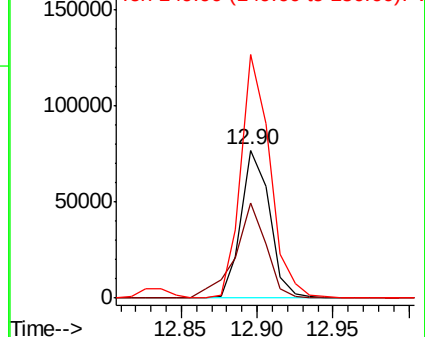


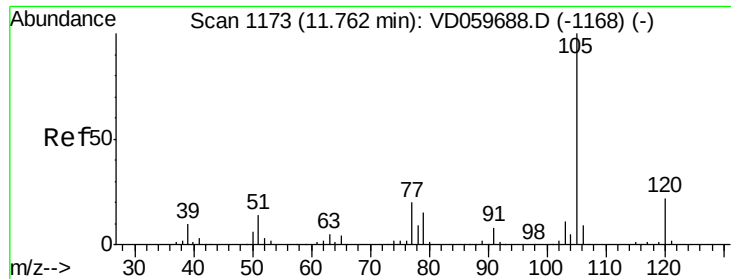
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD059693.D
Acq: 6 Aug 2018 14:28

Tgt Ion:152 Resp: 101190
Ion Ratio Lower Upper
152 100
115 64.1 28.8 86.4
150 165.0 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

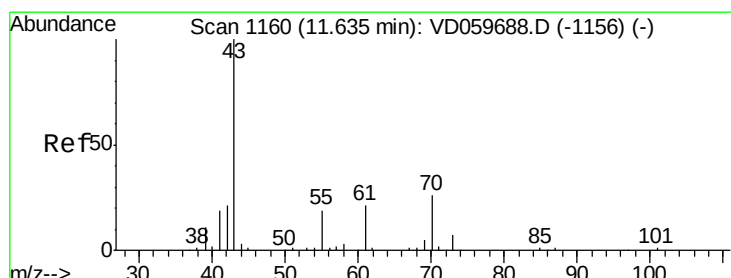
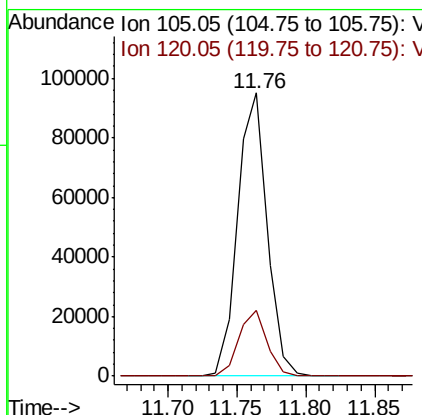
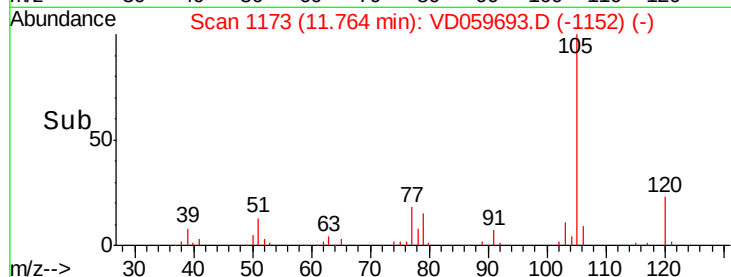
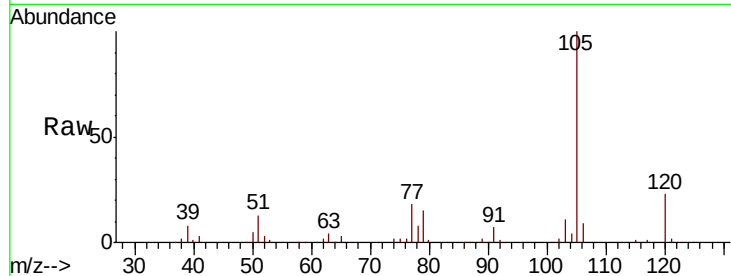




#73
Isopropylbenzene
Concen: 20.686 ug/l
RT: 11.76 min Scan# 1173
Delta R.T. 0.00 min
Lab File: VD059693.D
Acq: 6 Aug 2018 14:28

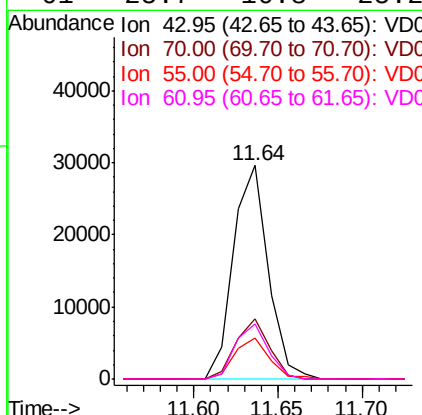
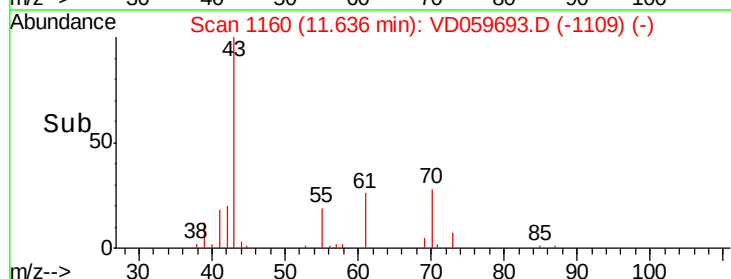
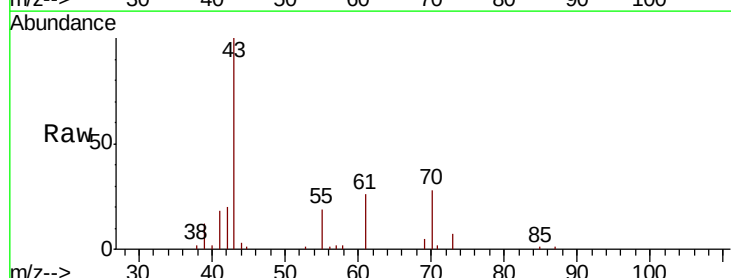
Instrument :
MSVOA_D
ClientSampleId :

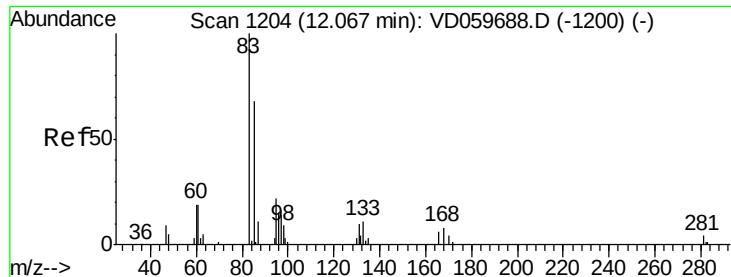
Tot Ion:105 Resp: 141805
Ion Ratio Lower Upper
105 100
120 23.2 10.8 32.3



#74
N-ethyl acetate
Concen: 19.815 ug/l
RT: 11.64 min Scan# 1160
Delta R.T. 0.00 min
Lab File: VD059693.D
Acq: 6 Aug 2018 14:28

Tgt Ion: 43 Resp: 42475
Ion Ratio Lower Upper
43 100
70 28.3 21.0 31.6
55 19.0 15.4 23.2
61 25.7 16.8 25.2#





#75

1,1,2,2-Tetrachloroethane

Concen: 20.917 ug/l

RT: 12.07 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VD059693.D

Acq: 6 Aug 2018 14:28

Instrument :

MSVOA_D

ClientSampled :

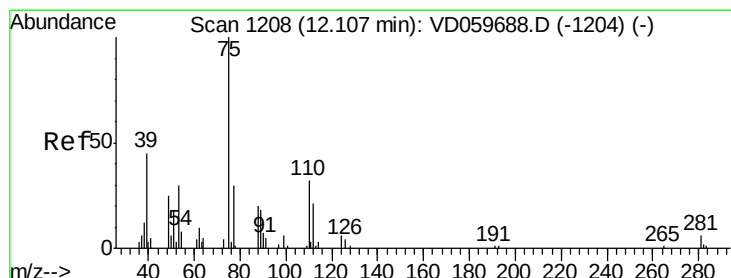
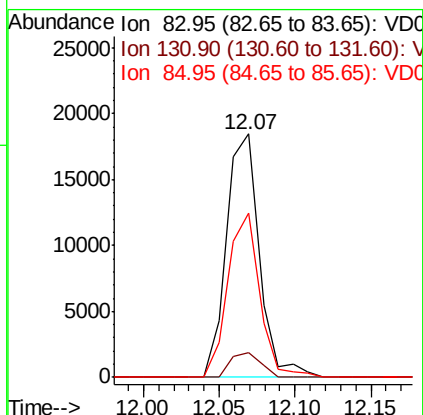
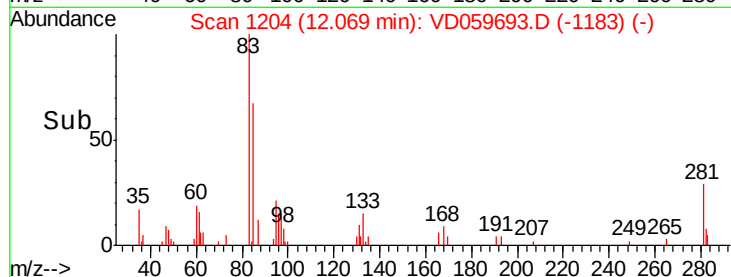
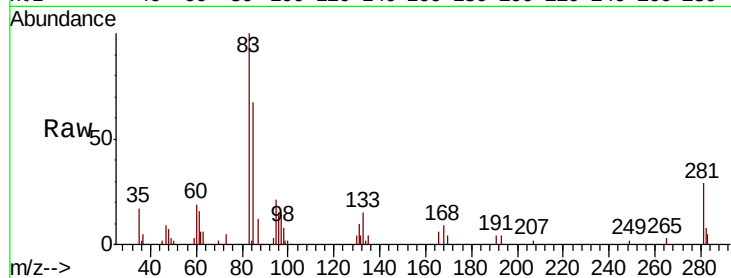
Tot Ion: 83 Resp: 27887

Ion Ratio Lower Upper

83 100

131 9.9 5.3 15.9

85 67.4 34.1 102.2



#76

1,2,3-Trichloropropane

Concen: 19.304 ug/l

RT: 12.10 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VD059693.D

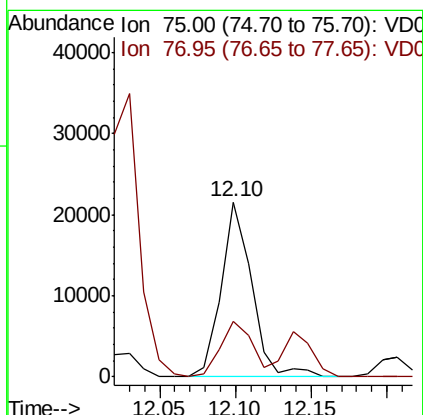
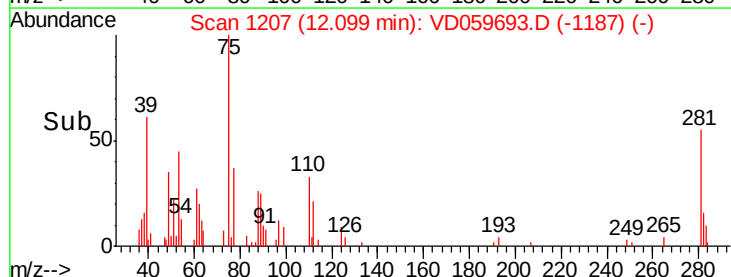
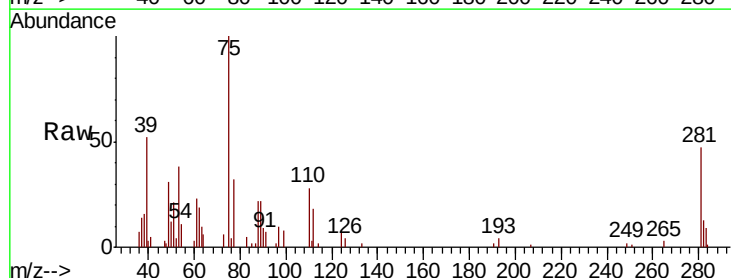
Acq: 6 Aug 2018 14:28

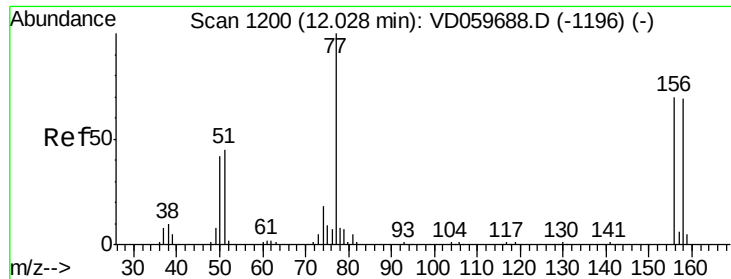
Tgt Ion: 75 Resp: 30327

Ion Ratio Lower Upper

75 100

77 32.0 15.5 46.5





#77

Bromobenzene

Concen: 19.580 ug/l

RT: 12.03 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD059693.D

Acq: 6 Aug 2018 14:28

Instrument :

MSVOA_D

ClientSampleId :

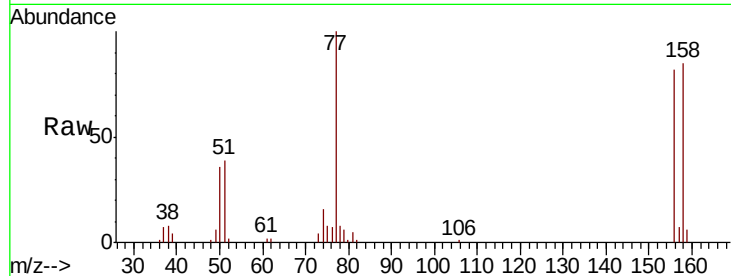
Tot Ion:156 Resp: 38504

Ion Ratio Lower Upper

156 100

77 122.1 71.2 213.6

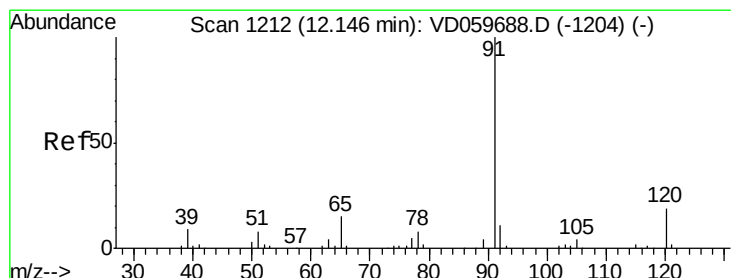
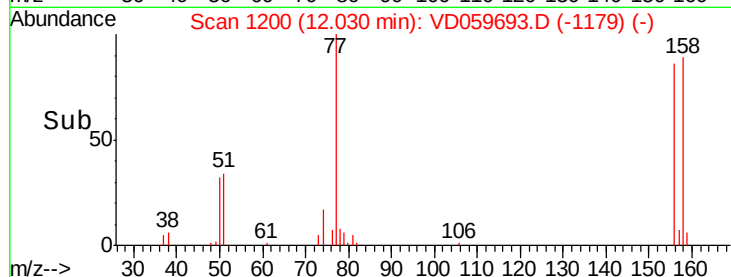
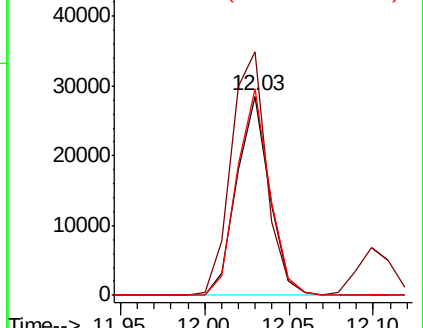
158 103.8 49.1 147.3



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: 20.370 ug/l

RT: 12.14 min Scan# 1211

Delta R.T. -0.01 min

Lab File: VD059693.D

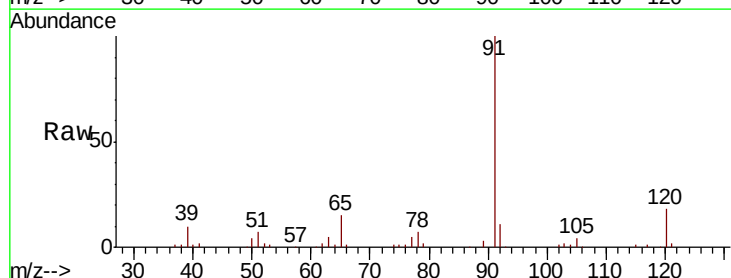
Acq: 6 Aug 2018 14:28

Tgt Ion: 91 Resp: 172708

Ion Ratio Lower Upper

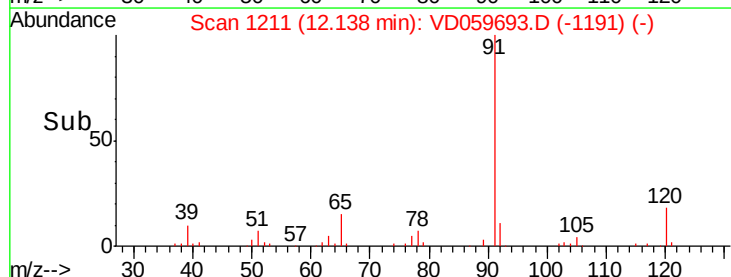
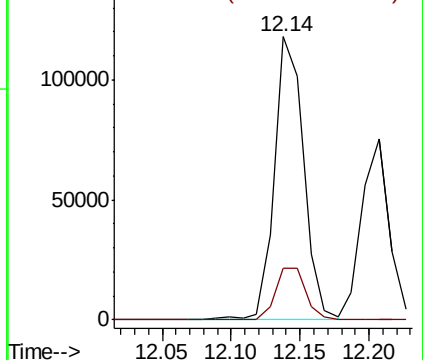
91 100

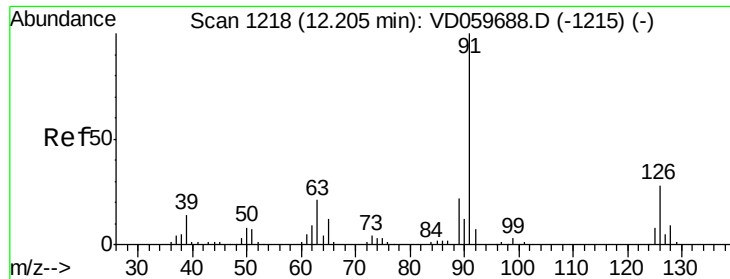
120 18.4 9.5 28.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

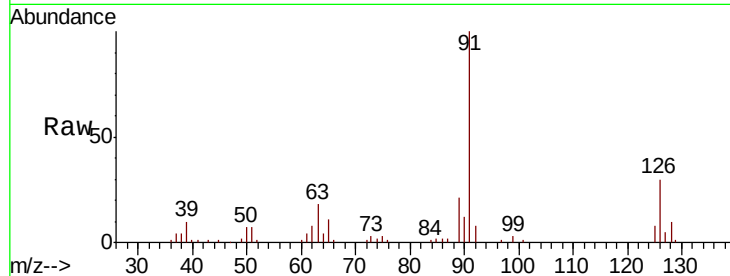




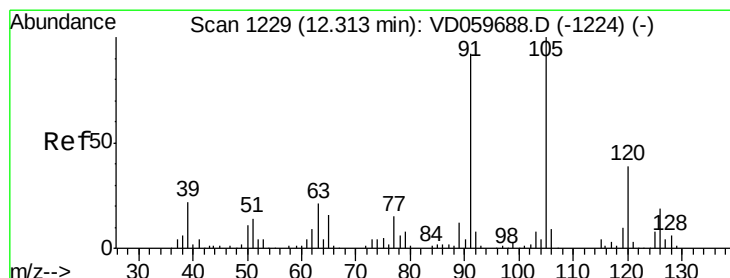
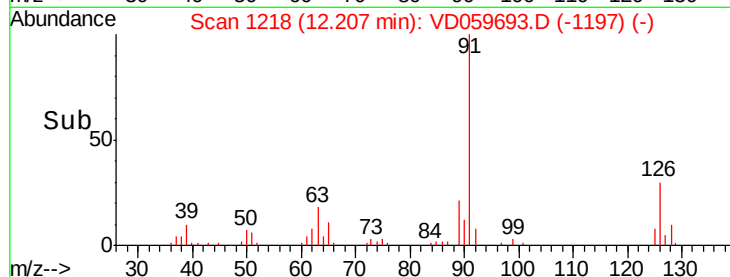
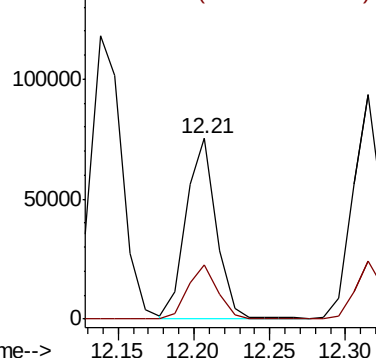
#79
 2-Chlorotoluene
 Concen: 20.633 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VD059693.D
 Acq: 6 Aug 2018 14:28

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 91 Resp: 105390
 Ion Ratio Lower Upper
 91 100
 126 30.0 13.7 41.0

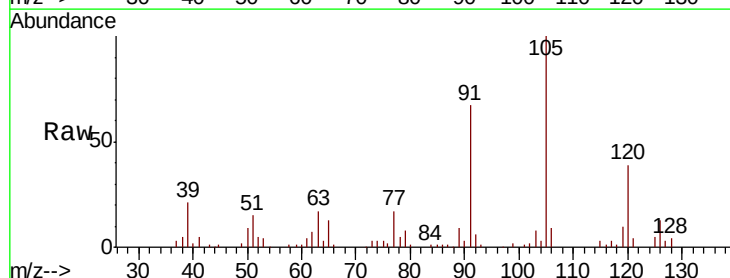


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

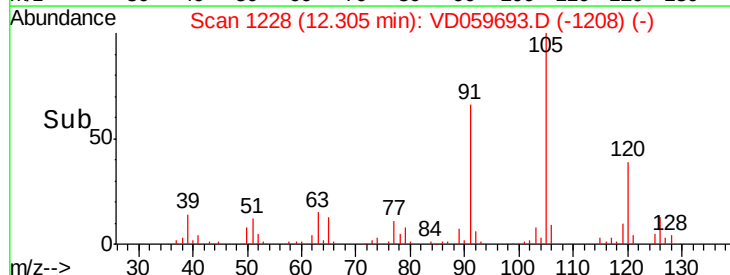
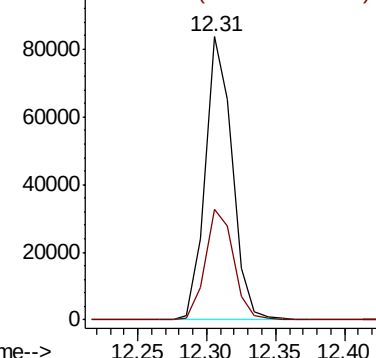


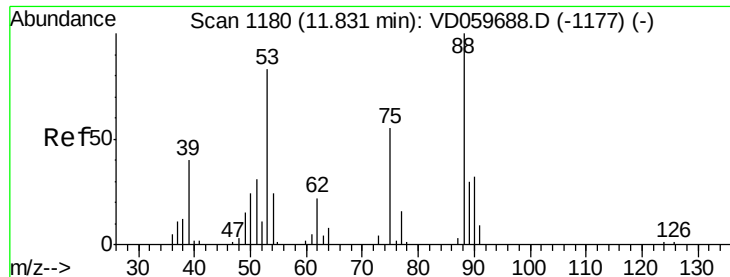
#80
 1,3,5-Trimethylbenzene
 Concen: 20.264 ug/l
 RT: 12.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VD059693.D
 Acq: 6 Aug 2018 14:28

Tgt Ion:105 Resp: 114179
 Ion Ratio Lower Upper
 105 100
 120 39.0 19.7 59.1



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

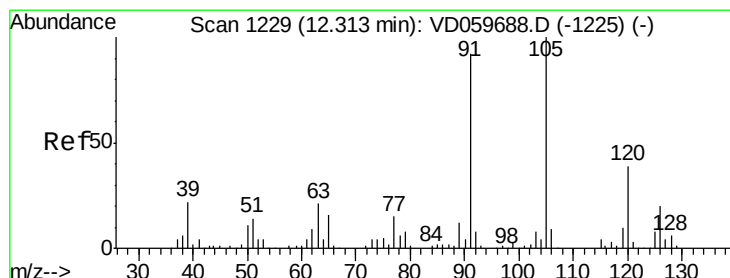
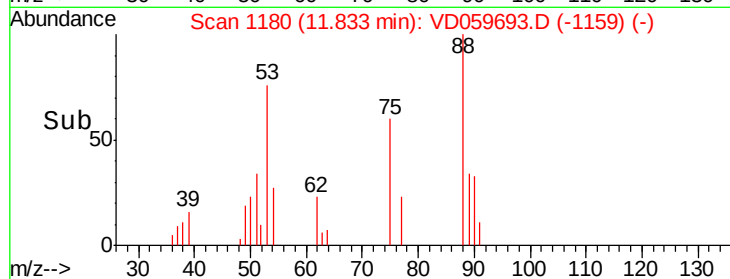
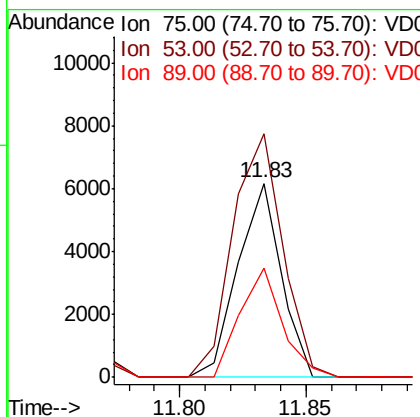
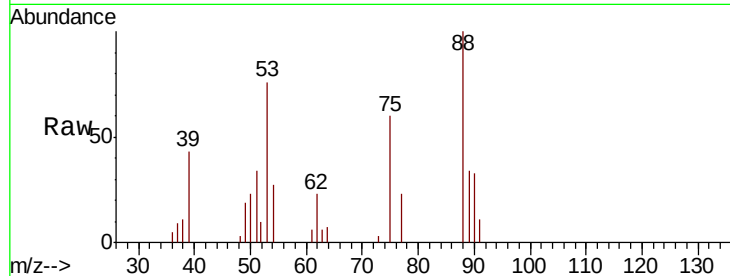




#81
trans-1,4-Dichloro-2-butene
Concen: 18.775 ug/l
RT: 11.83 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD059693.D
Acq: 6 Aug 2018 14:28

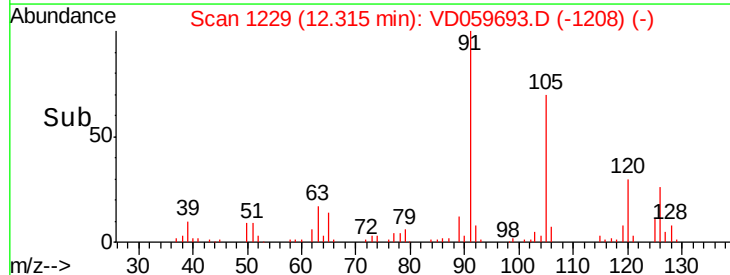
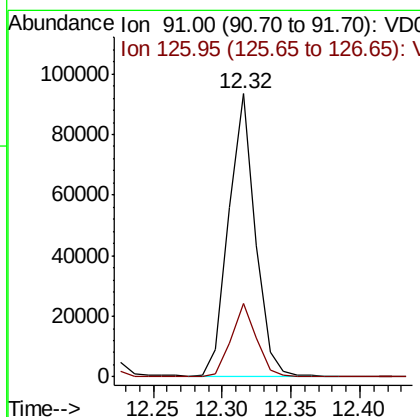
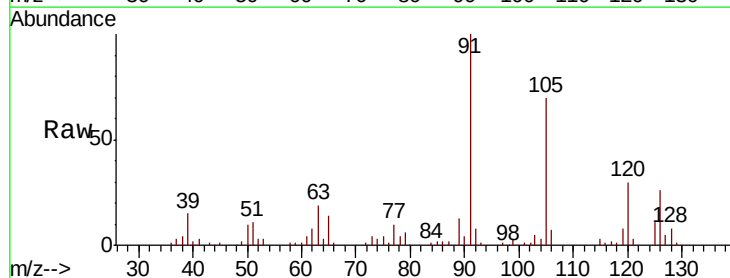
Instrument :
MSVOA_D
ClientSampleId :

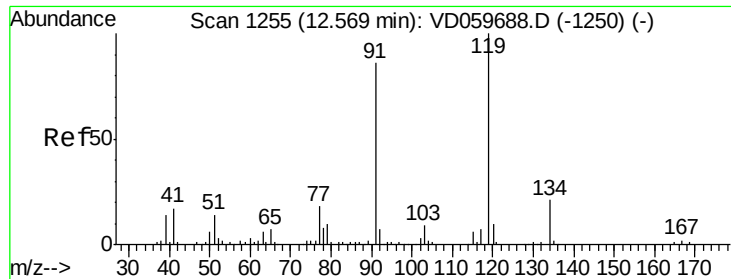
Tot Ion: 75 Resp: 7362
Ion Ratio Lower Upper
75 100
53 125.7 120.5 180.7
89 56.5 44.4 66.6



#82
4-Chlorotoluene
Concen: 21.097 ug/l
RT: 12.32 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VD059693.D
Acq: 6 Aug 2018 14:28

Tgt Ion: 91 Resp: 125967
Ion Ratio Lower Upper
91 100
126 25.9 10.7 31.9

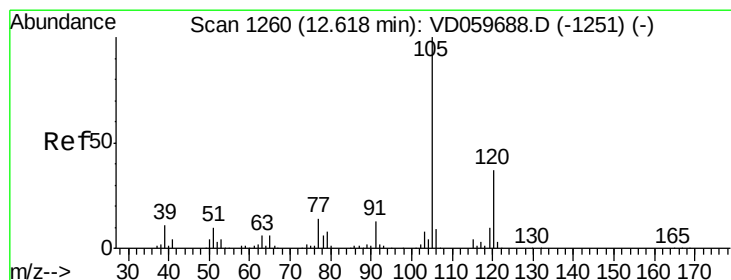
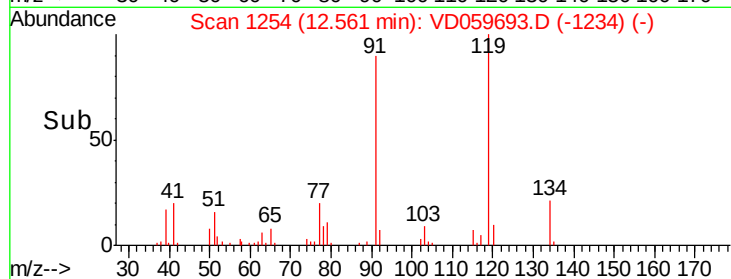
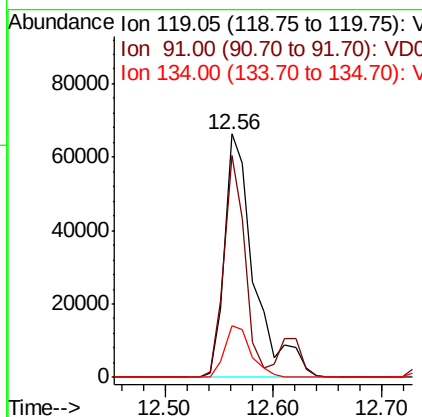
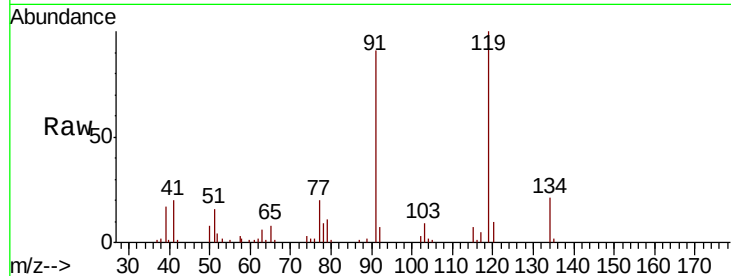




#83
 tert-Butylbenzene
 Concen: 19.809 ug/l
 RT: 12.56 min Scan# 1254
 Delta R.T. -0.01 min
 Lab File: VD059693.D
 Acq: 6 Aug 2018 14:28

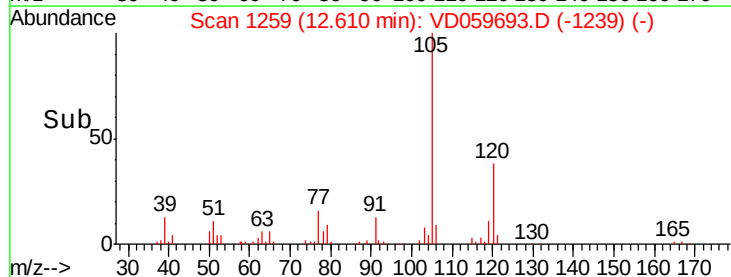
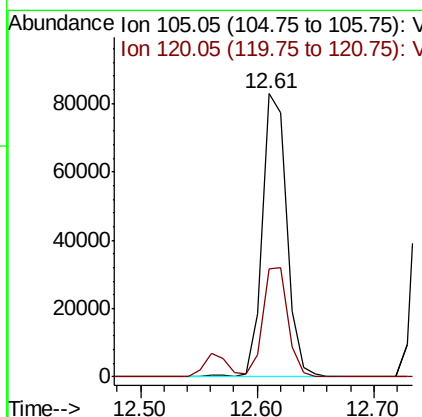
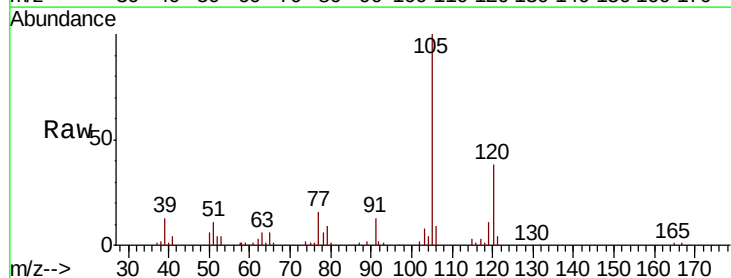
Instrument :
 MSVOA_D
 ClientSampleId :

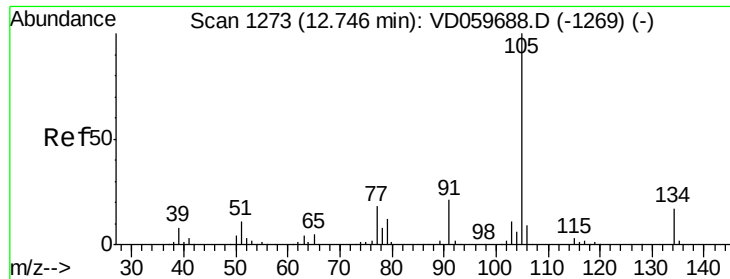
Tot Ion:119 Resp: 126105
 Ion Ratio Lower Upper
 119 100
 91 91.0 43.3 129.9
 134 21.1 10.5 31.6



#84
 1,2,4-Trimethylbenzene
 Concen: 20.102 ug/l
 RT: 12.61 min Scan# 1259
 Delta R.T. -0.01 min
 Lab File: VD059693.D
 Acq: 6 Aug 2018 14:28

Tgt Ion:105 Resp: 120050
 Ion Ratio Lower Upper
 105 100
 120 38.0 18.7 56.1

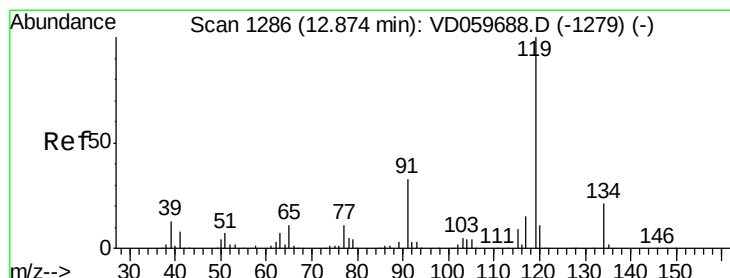
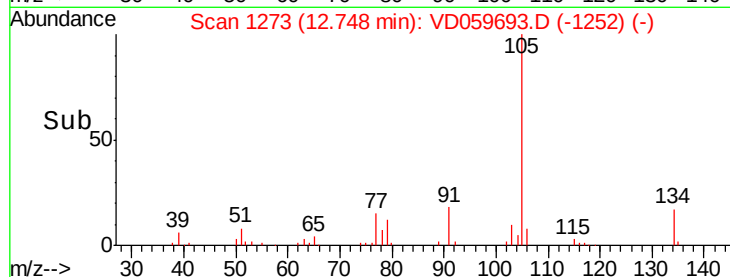
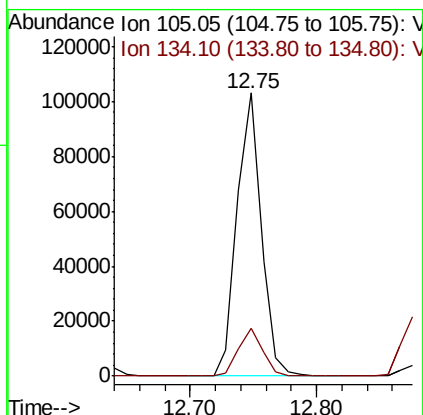
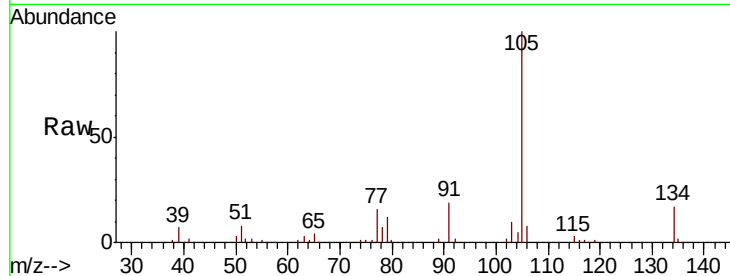




#85
 sec-Butylbenzene
 Concen: 19.418 ug/l
 RT: 12.75 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VD059693.D
 Acq: 6 Aug 2018 14:28

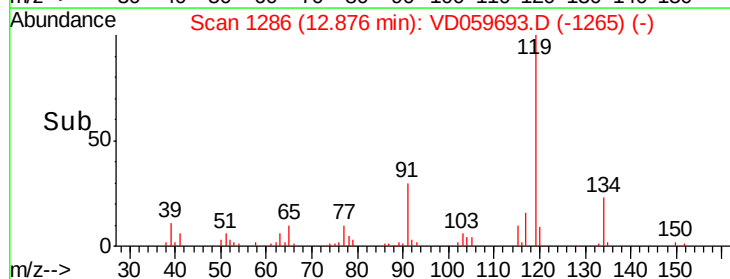
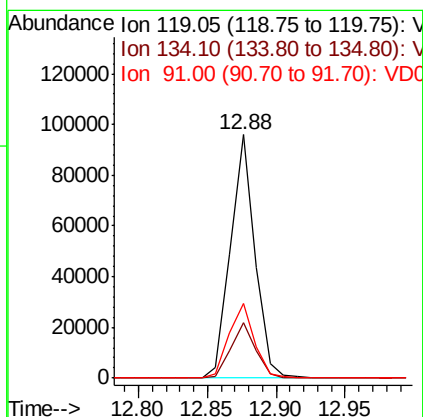
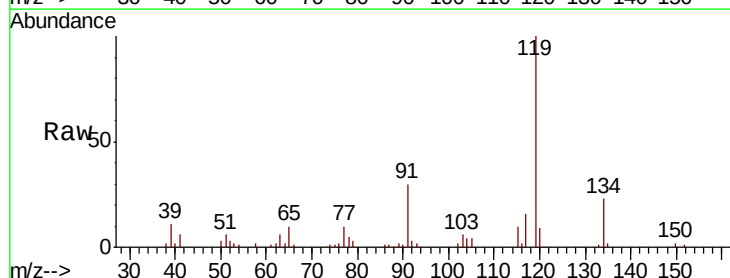
Instrument :
 MSVOA_D
 ClientSampled :

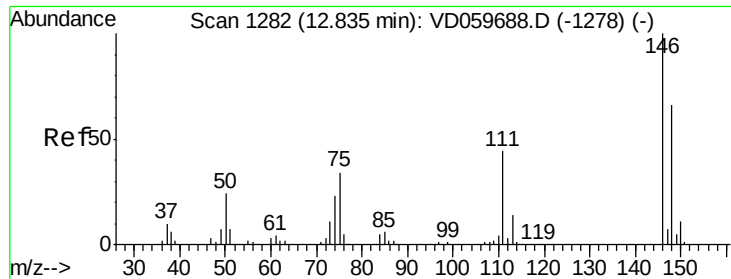
Tot Ion:105 Resp: 136428
 Ion Ratio Lower Upper
 105 100
 134 16.9 8.3 24.9



#86
 p-Isopropyltoluene
 Concen: 19.473 ug/l
 RT: 12.88 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VD059693.D
 Acq: 6 Aug 2018 14:28

Tgt Ion:119 Resp: 118512
 Ion Ratio Lower Upper
 119 100
 134 22.7 10.7 32.1
 91 30.4 16.6 49.7

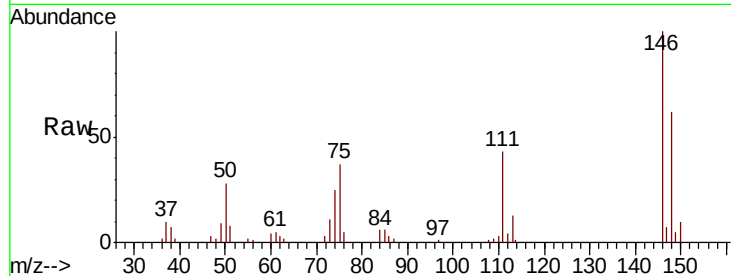




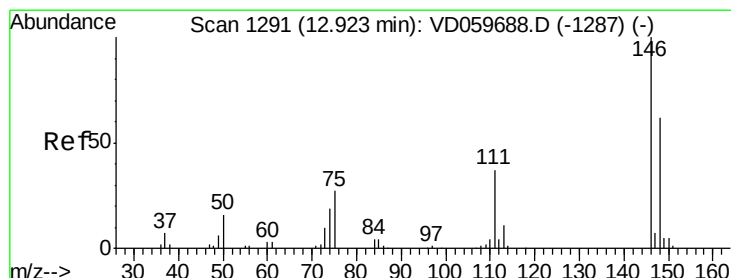
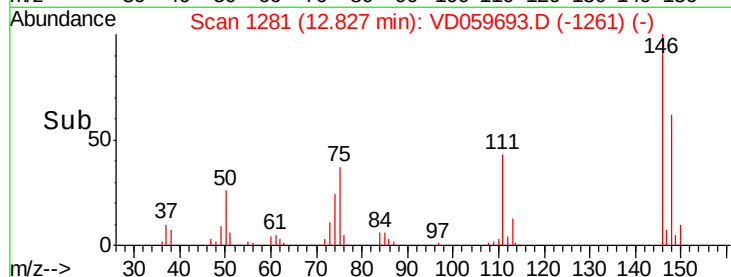
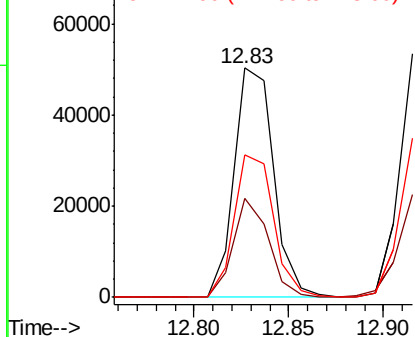
#87
 1,3-Dichlorobenzene
 Concen: 20.996 ug/l
 RT: 12.83 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: VD059693.D
 Acq: 6 Aug 2018 14:28

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 72320
 Ion Ratio Lower Upper
 146 100
 111 43.2 21.8 65.4
 148 62.3 33.1 99.2

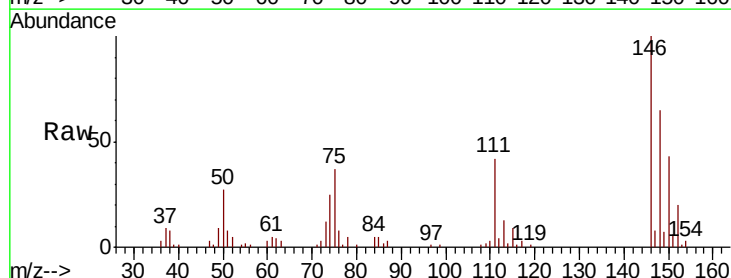


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

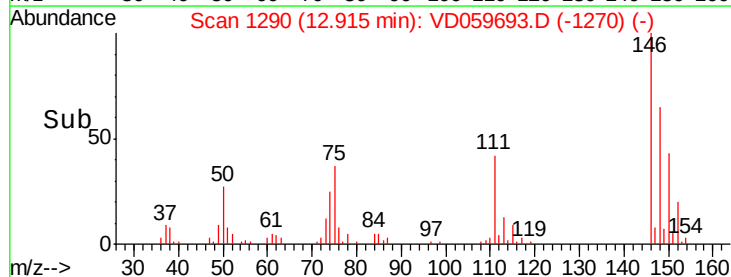
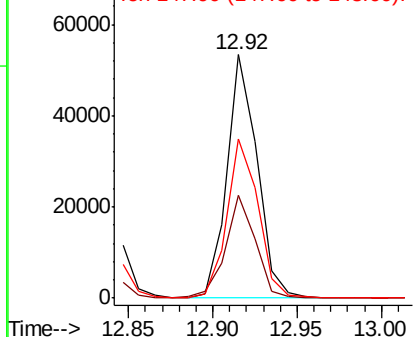


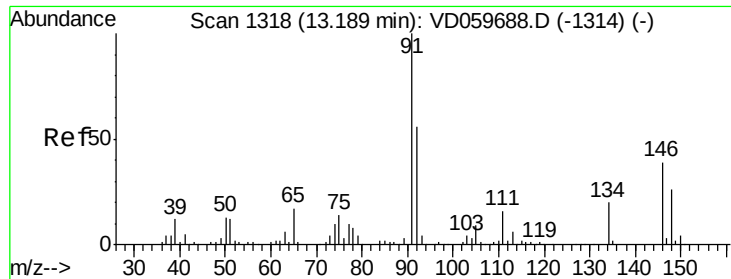
#88
 1,4-Dichlorobenzene
 Concen: 19.183 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD059693.D
 Acq: 6 Aug 2018 14:28

Tgt Ion:146 Resp: 66350
 Ion Ratio Lower Upper
 146 100
 111 42.1 18.6 55.8
 148 65.1 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

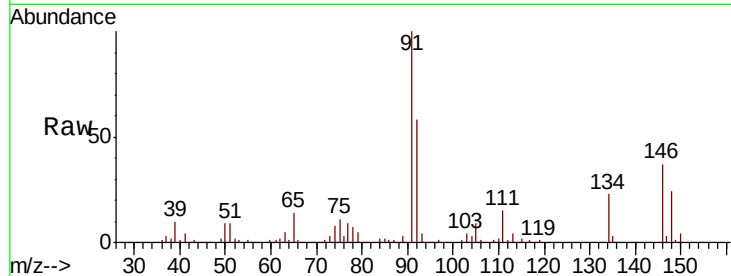




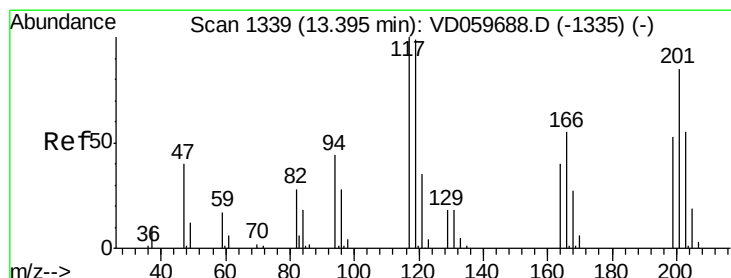
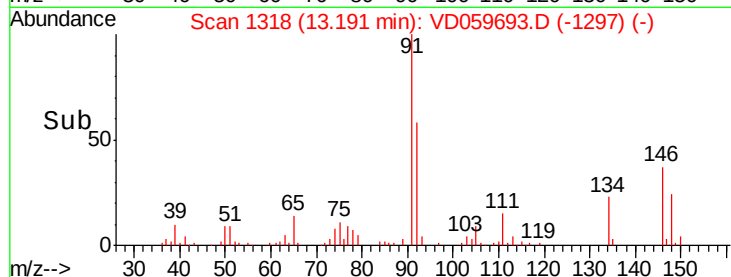
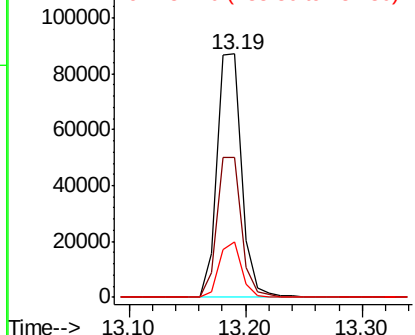
#89
n-Butylbenzene
Concen: 21.271 ug/l
RT: 13.19 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VD059693.D
Acq: 6 Aug 2018 14:28

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 91 Resp: 127685
Ion Ratio Lower Upper
91 100
92 57.6 28.2 84.6
134 22.7 9.8 29.5

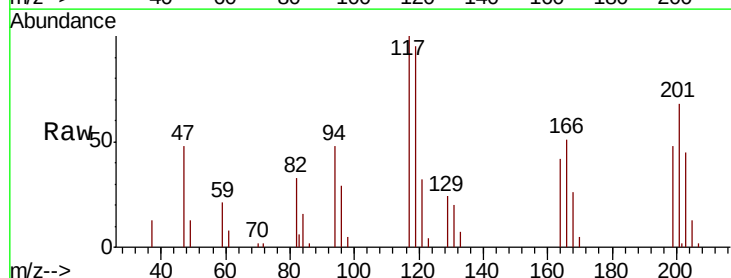


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.10 (133.80 to 134.80): V

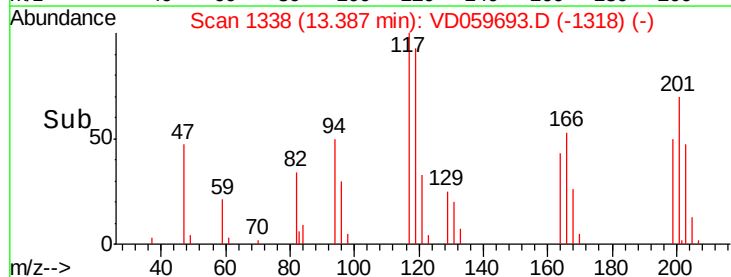
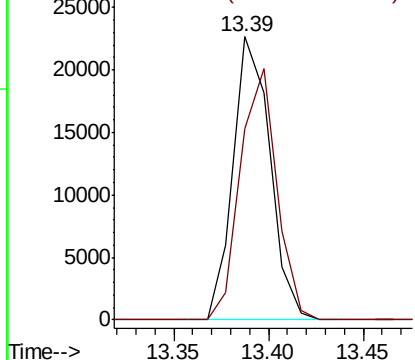


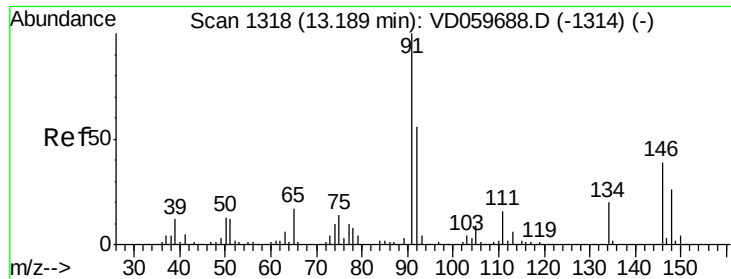
#90
Hexachloroethane
Concen: 19.198 ug/l
RT: 13.39 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VD059693.D
Acq: 6 Aug 2018 14:28

Tgt Ion: 117 Resp: 30505
Ion Ratio Lower Upper
117 100
201 67.8 42.4 127.1



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

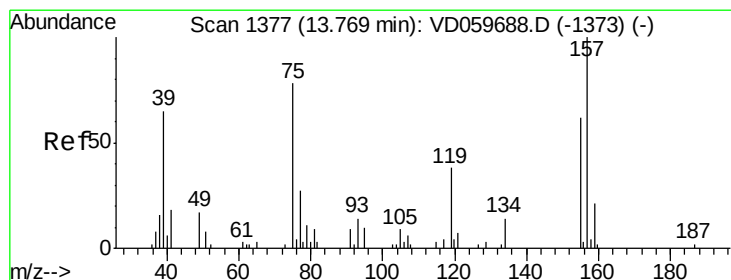
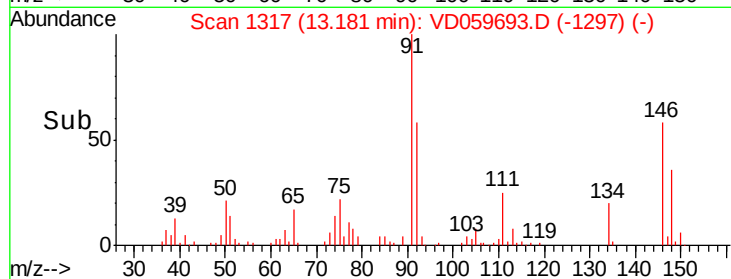
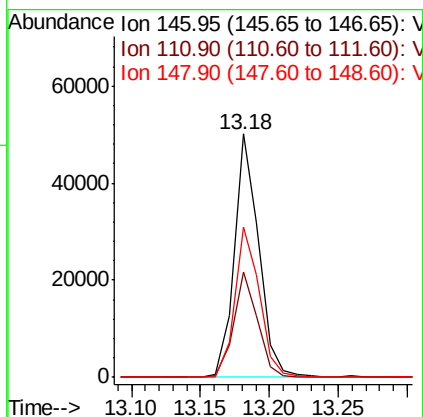
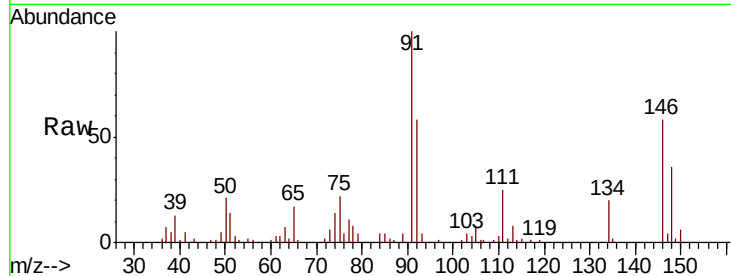




#91
 1,2-Dichlorobenzene
 Concen: 21.762 ug/l
 RT: 13.18 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: VD059693.D
 Acq: 6 Aug 2018 14:28

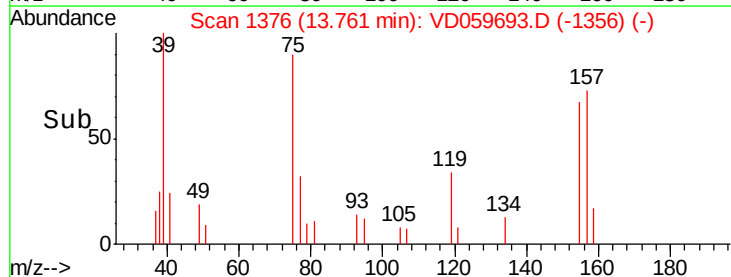
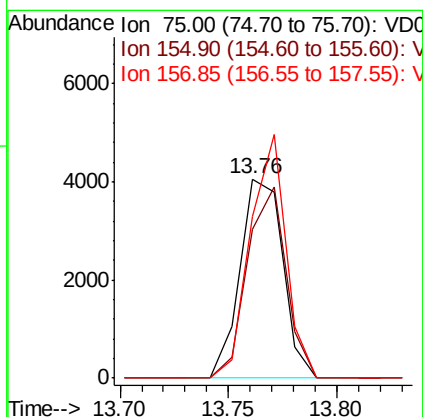
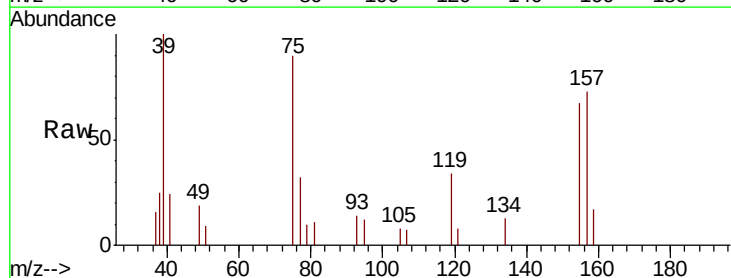
Instrument :
 MSVOA_D
 ClientSampleId :

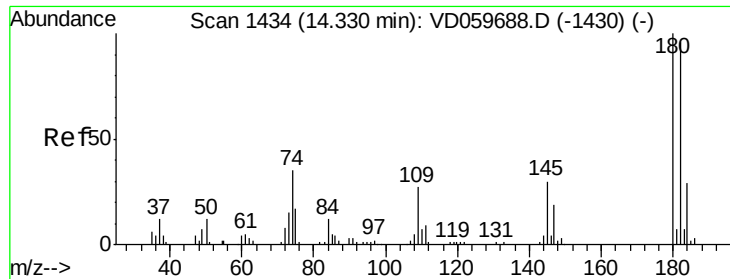
Tot Ion:146 Resp: 61821
 Ion Ratio Lower Upper
 146 100
 111 43.5 20.8 62.2
 148 61.7 33.4 100.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.318 ug/l
 RT: 13.76 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VD059693.D
 Acq: 6 Aug 2018 14:28

Tgt Ion: 75 Resp: 5645
 Ion Ratio Lower Upper
 75 100
 155 74.4 40.0 119.9
 157 81.0 64.3 192.7

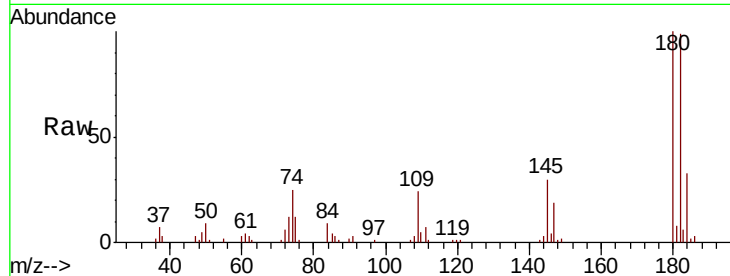




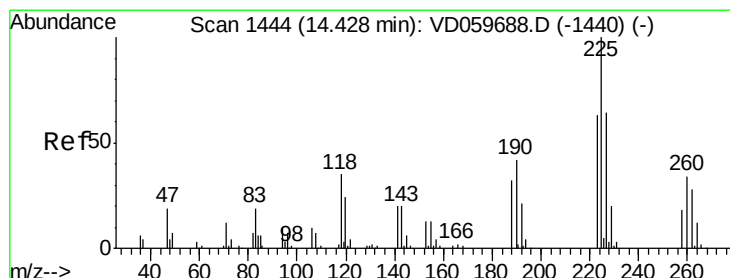
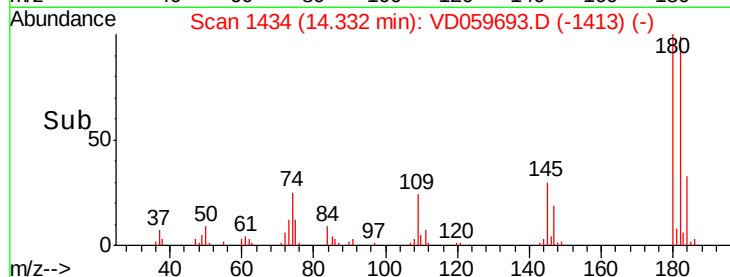
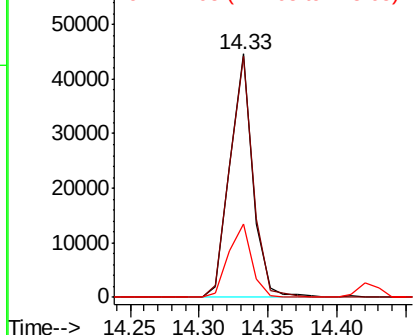
#93
 1,2,4-Trichlorobenzene
 Concen: 20.136 ug/l
 RT: 14.33 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VD059693.D
 Acq: 6 Aug 2018 14:28

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 51387
 Ion Ratio Lower Upper
 180 100
 182 99.0 48.0 144.0
 145 30.0 14.8 44.4

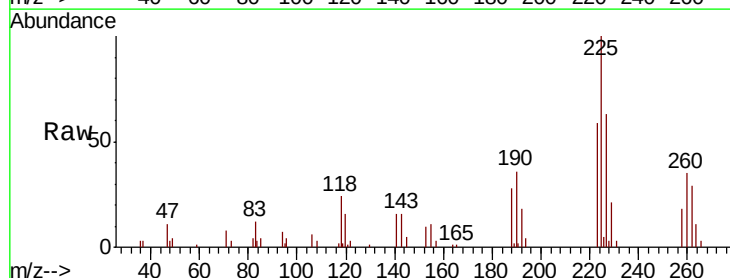


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

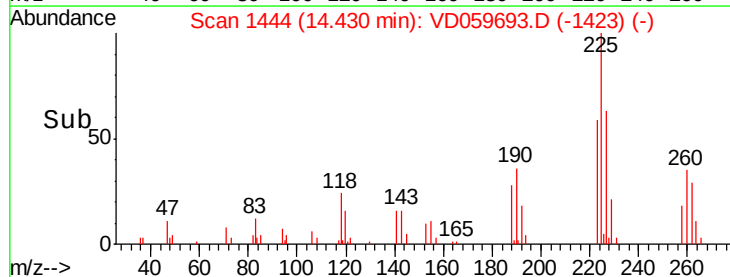
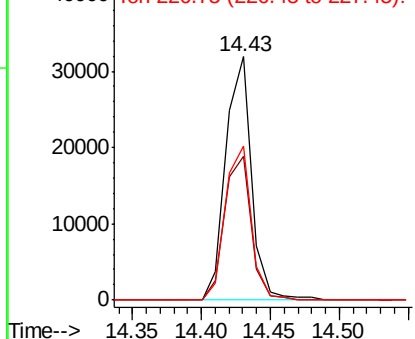


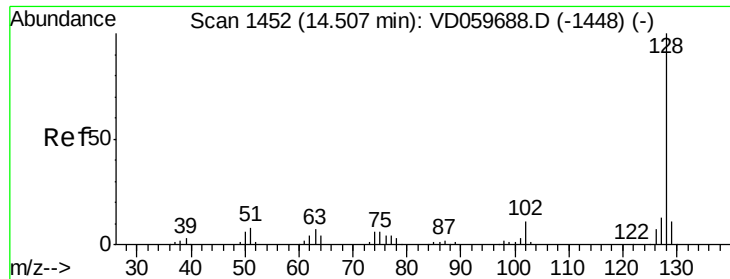
#94
 Hexachlorobutadiene
 Concen: 20.741 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VD059693.D
 Acq: 6 Aug 2018 14:28

Tgt Ion:225 Resp: 41306
 Ion Ratio Lower Upper
 225 100
 223 59.2 31.4 94.3
 227 63.1 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

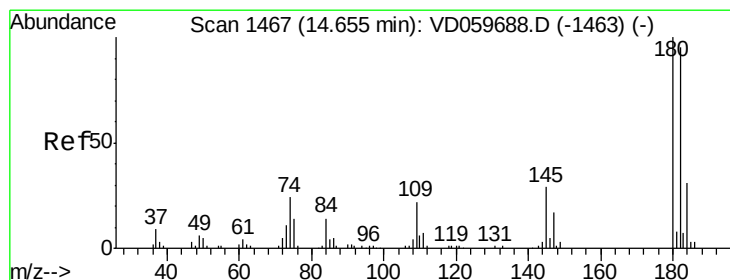
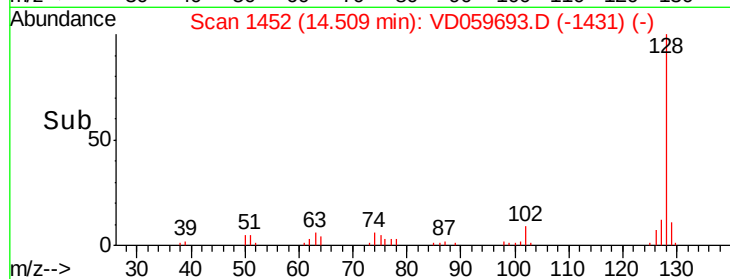
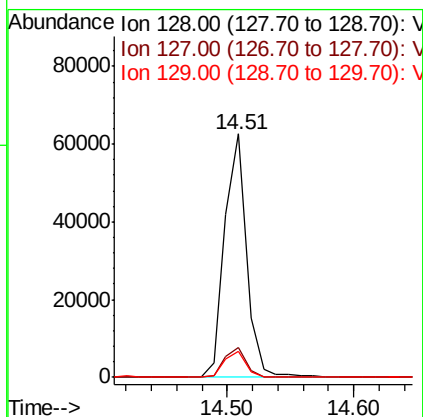
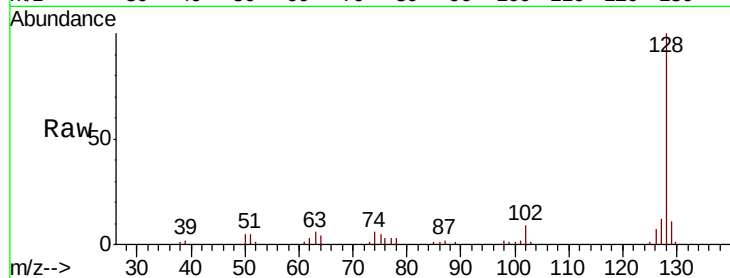




#95
Naphthalene
Concen: 19.811 ug/l
RT: 14.51 min Scan# 1452
Delta R.T. 0.00 min
Lab File: VD059693.D
Acq: 6 Aug 2018 14:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 75646
Ion Ratio Lower Upper
128 100
127 12.3 10.6 16.0
129 10.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 19.967 ug/l
RT: 14.65 min Scan# 1466
Delta R.T. -0.01 min
Lab File: VD059693.D
Acq: 6 Aug 2018 14:28

Tgt Ion:180 Resp: 45531
Ion Ratio Lower Upper
180 100
182 92.2 47.5 142.5
145 34.6 14.5 43.5

