

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

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

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

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

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.00	65	53237	18.97	ug/l	0.00
Spiked Amount						
			Recovery	=		37.94%
35) Dibromofluoromethane	5.52	113	46091	18.49	ug/l	0.00
Spiked Amount						
			Recovery	=		36.98%
50) Toluene-d8	8.69	98	97598	17.99	ug/l	0.00
Spiked Amount						
			Recovery	=		35.98%
62) 4-Bromofluorobenzene	11.92	95	44957	17.88	ug/l	0.00
Spiked Amount						
			Recovery	=		35.76%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.32	85	52467	17.59	ug/l	98
3) Chloromethane	1.47	50	23642	18.09	ug/l #	87
4) Vinyl Chloride	1.54	62	27503	17.66	ug/l #	86
5) Bromomethane	1.77	94	6976	12.80	ug/l	99
6) Chloroethane	1.86	64	9618	15.44	ug/l	93
7) Trichlorofluoromethane	2.06	101	42898	17.02	ug/l	98
8) Diethyl Ether	2.33	74	8662	18.42	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.53	101	26956	18.53	ug/l	100
10) Methyl Iodide	2.67	142	25623	15.44	ug/l	92
11) Tert butyl alcohol	3.24	59	10424	105.77	ug/l #	76
12) 1,1-Dichloroethene	2.51	96	19450	18.08	ug/l	99
13) Acrolein	2.46	56	9374	99.64	ug/l	99
14) Allyl chloride	2.90	41	43718	17.89	ug/l	98
15) Acrylonitrile	3.34	53	27195	95.99	ug/l #	85
16) Acetone	2.59	43	45397	87.20	ug/l	97
17) Carbon Disulfide	2.73	76	64321	16.91	ug/l	95
18) Methyl Acetate	2.91	43	17842	19.15	ug/l #	88
19) Methyl tert-butyl Ether	3.38	73	83919	20.28	ug/l	99
20) Methylene Chloride	3.05	84	40865	21.06	ug/l	94
21) trans-1,2-Dichloroethene	3.37	96	25336	17.37	ug/l	89
22) Diisopropyl ether	4.05	45	107411	19.26	ug/l	96
23) Vinyl Acetate	3.99	43	360926	103.67	ug/l #	95
24) 1,1-Dichloroethane	3.94	63	73226	19.49	ug/l	100
25) 2-Butanone	4.82	43	60275	90.80	ug/l	99
26) 2,2-Dichloropropane	4.77	77	72740	17.83	ug/l	96
27) cis-1,2-Dichloroethene	4.78	96	37902	19.22	ug/l	91
28) Bromochloromethane	5.12	49	29000	20.83	ug/l	96
29) Tetrahydrofuran	5.16	42	24780	95.41	ug/l	97
30) Chloroform	5.30	83	87539	19.30	ug/l	98
31) Cyclohexane	5.56	56	49455	18.08	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	83141	18.71	ug/l	96
36) 1,1-Dichloropropene	5.72	75	54791	18.15	ug/l	94
37) Ethyl Acetate	4.91	43	27523	19.38	ug/l	98
38) Carbon Tetrachloride	5.70	117	72579	17.75	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.27	83	46457	18.59	ug/l	95
40) Benzene	5.99	78	110995	19.07	ug/l	96
41) Methacrylonitrile	5.10	41	12869	18.70	ug/l	92
42) 1,2-Dichloroethane	6.11	62	67243	18.76	ug/l	98
43) Isopropyl Acetate	7.60	43	35935	19.10	ug/l	93
44) Trichloroethene	6.96	130	42604	20.06	ug/l	91
45) 1,2-Dichloropropane	7.33	63	28714	19.10	ug/l	97
46) Dibromomethane	7.44	93	26015	19.66	ug/l	91
47) Bromodichloromethane	7.73	83	64348	18.97	ug/l	98
48) Methyl methacrylate	7.49	41	23324	18.71	ug/l	95
49) 1,4-Dioxane	7.48	88	3915	403.79	ug/l #	92
51) 4-Methyl-2-Pentanone	8.58	43	123082	89.83	ug/l	98
52) Toluene	8.78	92	70048	19.11	ug/l	94
53) t-1,3-Dichloropropene	9.17	75	54275	18.89	ug/l	93
54) cis-1,3-Dichloropropene	8.34	75	56011	19.31	ug/l	97
55) 1,1,2-Trichloroethane	9.44	97	26799	19.06	ug/l	96
56) Ethyl methacrylate	9.30	69	31312	19.69	ug/l	88
57) 1,3-Dichloropropane	9.65	76	41669	18.43	ug/l	94
58) 2-Chloroethyl Vinyl ether	8.17	63	79216	105.56	ug/l	98
59) 2-Hexanone	9.77	43	93828	90.48	ug/l	92
60) Dibromochloromethane	9.94	129	43983	19.23	ug/l	89
61) 1,2-Dibromoethane	10.08	107	30821	18.61	ug/l	93
64) Tetrachloroethene	9.50	164	37995	18.96	ug/l	95
65) Chlorobenzene	10.71	112	84514	19.34	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.84	131	38872	19.79	ug/l	97
67) Ethyl Benzene	10.85	91	159058	19.69	ug/l	97
68) m/p-Xylenes	11.00	106	98764	38.54	ug/l	87
69) o-Xylene	11.40	106	49049	19.52	ug/l	94
70) Styrene	11.42	104	82827	19.92	ug/l	97
71) Bromoform	11.59	173	28636	19.28	ug/l	95
73) Isopropylbenzene	11.76	105	154256	19.51	ug/l	98
74) N-amyl acetate	11.63	43	47370	19.16	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.07	83	31124	20.24	ug/l	92
76) 1,2,3-Trichloropropane	12.11	75	33211	18.33	ug/l	95
77) Bromobenzene	12.03	156	42672	18.82	ug/l	96
78) n-propylbenzene	12.15	91	184517	18.87	ug/l	100
79) 2-Chlorotoluene	12.20	91	114466	19.43	ug/l	98
80) 1,3,5-Trimethylbenzene	12.31	105	122124	18.80	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.83	75	8042	17.79	ug/l	89
82) 4-Chlorotoluene	12.31	91	132955	19.31	ug/l	99
83) tert-Butylbenzene	12.57	119	143063	19.49	ug/l	95
84) 1,2,4-Trimethylbenzene	12.62	105	125946	18.29	ug/l	96
85) sec-Butylbenzene	12.75	105	153971	19.00	ug/l	100
86) p-Isopropyltoluene	12.87	119	130683	18.62	ug/l	98
87) 1,3-Dichlorobenzene	12.83	146	74140	18.67	ug/l	98
88) 1,4-Dichlorobenzene	12.92	146	75144	18.84	ug/l	98
89) n-Butylbenzene	13.19	91	137263	19.83	ug/l	98
90) Hexachloroethane	13.39	117	33675	18.38	ug/l	99
91) 1,2-Dichlorobenzene	13.19	146	66094	20.18	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.77	75	6360	18.87	ug/l	85

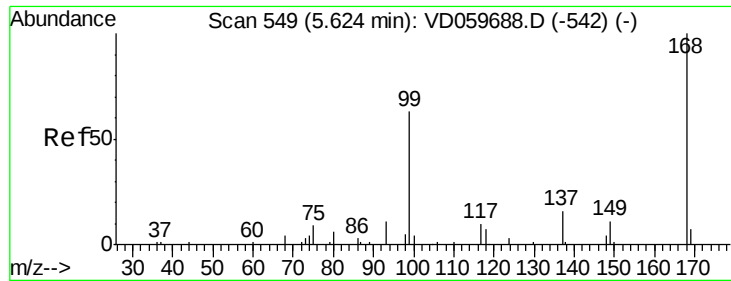
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	57978	19.70	ug/l	98
94) Hexachlorobutadiene	14.43	225	42674	18.58	ug/l	98
95) Naphthalene	14.51	128	85020	19.31	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	49458	18.81	ug/l	97

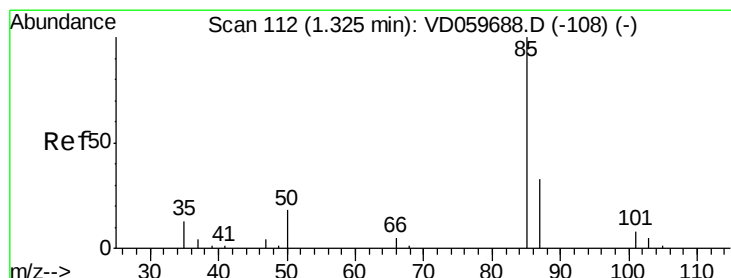
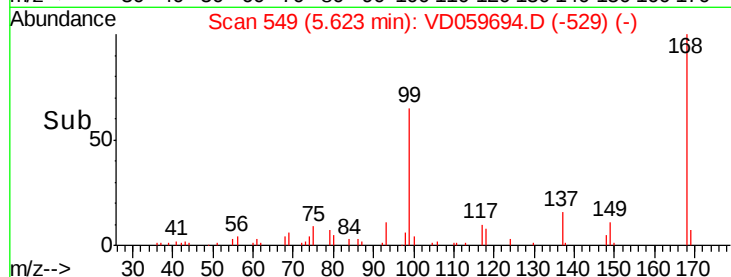
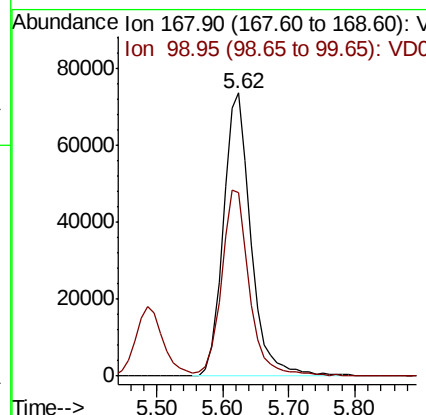
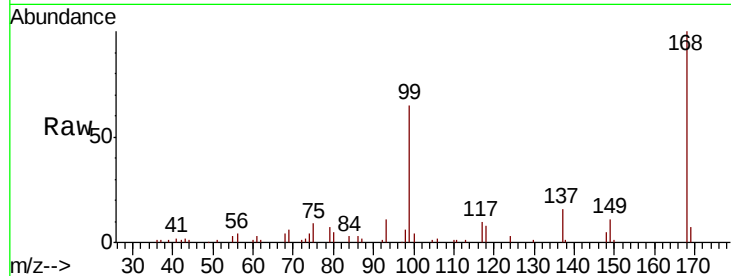
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.62 min Scan# 549
Delta R.T. -0.00 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

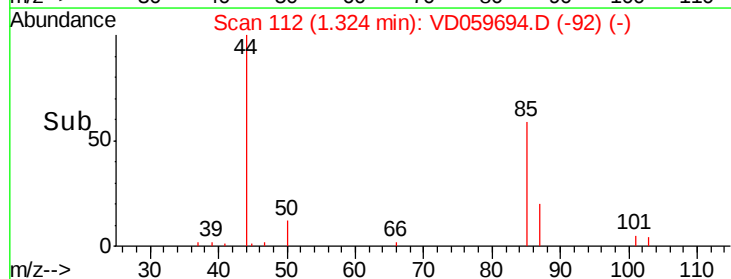
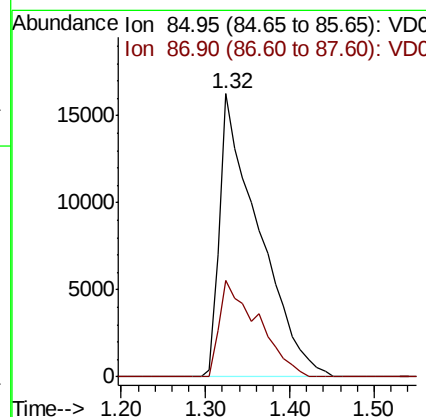
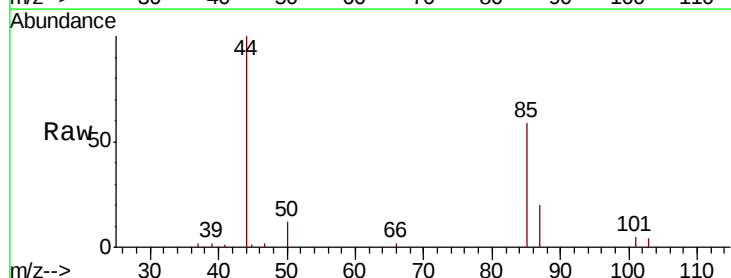
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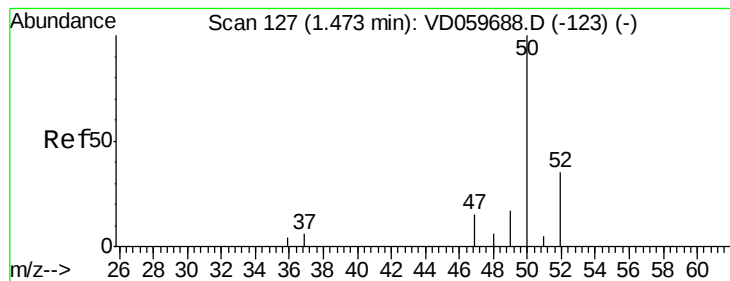
Tot Ion:168 Resp: 214051
Ion Ratio Lower Upper
168 100
99 64.8 53.4 80.2



#2
Dichlorodifluoromethane
Concen: 17.59 ug/l
RT: 1.32 min Scan# 112
Delta R.T. -0.00 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

Tgt Ion: 85 Resp: 52467
Ion Ratio Lower Upper
85 100
87 33.9 16.4 49.1





#3

Chloromethane

Concen: 18.09 ug/l

RT: 1.47 min Scan# 127

Delta R.T. -0.00 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

Instrument :

MSVOA_D

ClientSampleId :

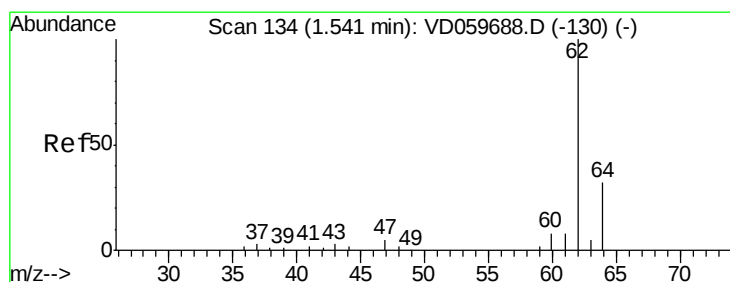
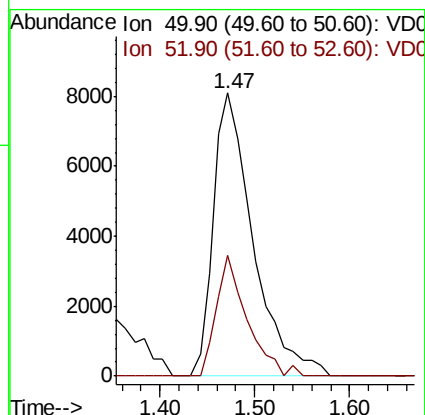
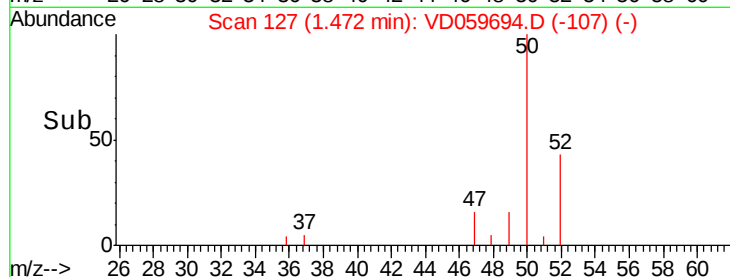
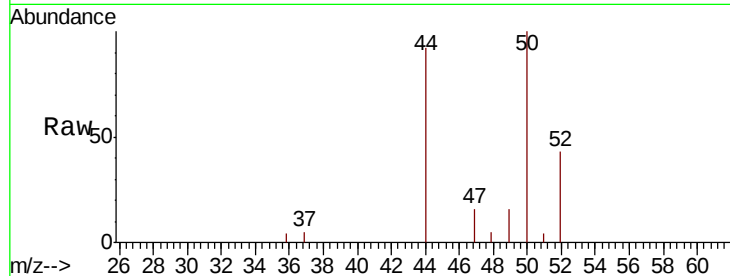
VSTDIC020

Tot Ion: 50 Resp: 23642

Ion Ratio Lower Upper

50 100

52 42.9 28.2 42.4#



#4

Vinyl Chloride

Concen: 17.66 ug/l

RT: 1.54 min Scan# 134

Delta R.T. -0.00 min

Lab File: VD059694.D

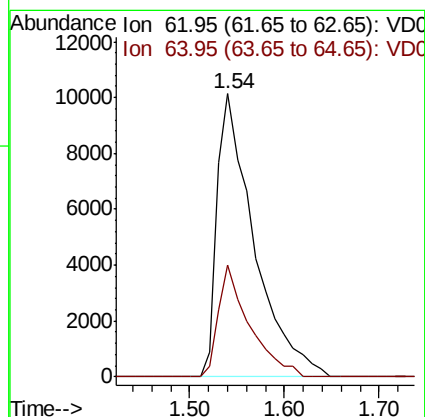
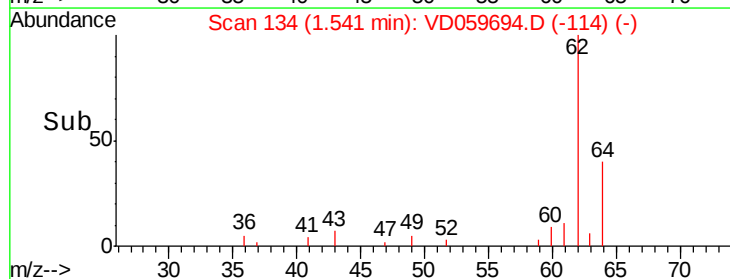
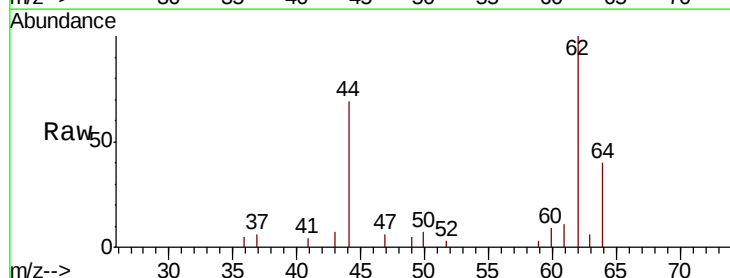
Acq: 6 Aug 2018 15:32

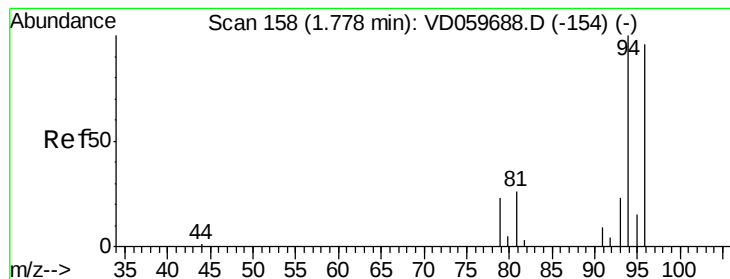
Tgt Ion: 62 Resp: 27503

Ion Ratio Lower Upper

62 100

64 39.6 25.4 38.0#





#5

Bromomethane

Concen: 12.80 ug/l

RT: 1.77 min Scan# 157

Delta R.T. -0.01 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

Instrument :

MSVOA_D

ClientSampleId :

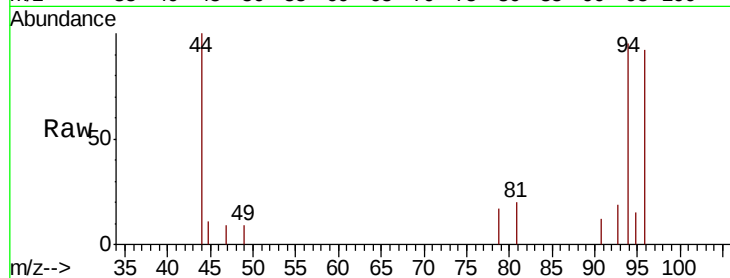
VSTDIC020

Tot Ion: 94 Resp: 6976

Ion Ratio Lower Upper

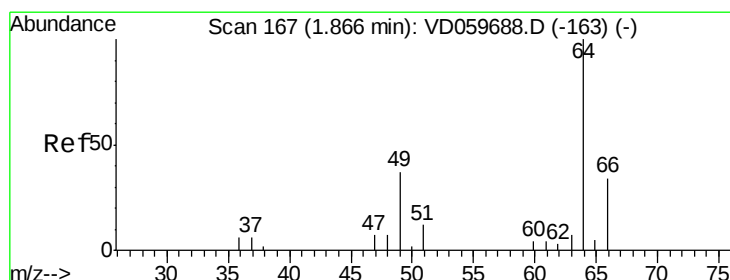
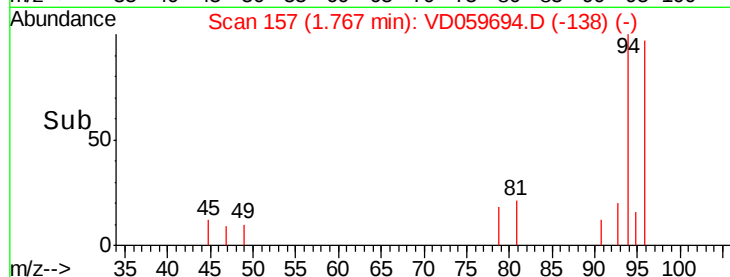
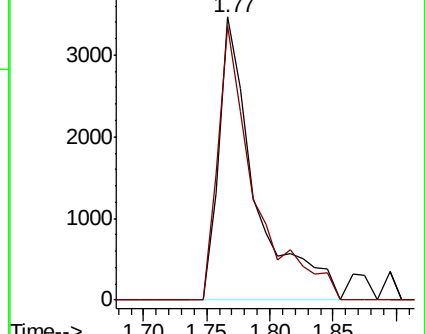
94 100

96 97.1 76.6 114.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 15.44 ug/l

RT: 1.86 min Scan# 166

Delta R.T. -0.01 min

Lab File: VD059694.D

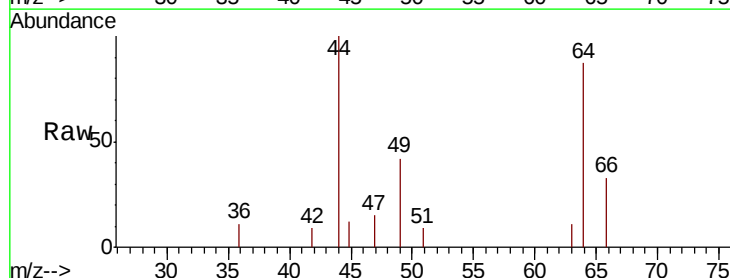
Acq: 6 Aug 2018 15:32

Tgt Ion: 64 Resp: 9618

Ion Ratio Lower Upper

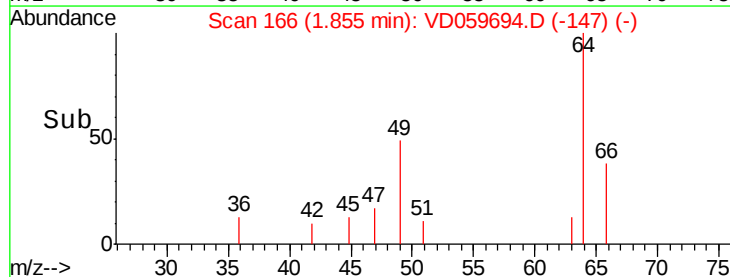
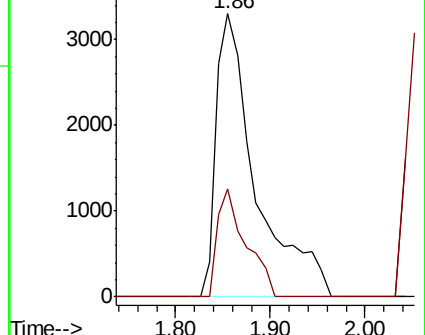
64 100

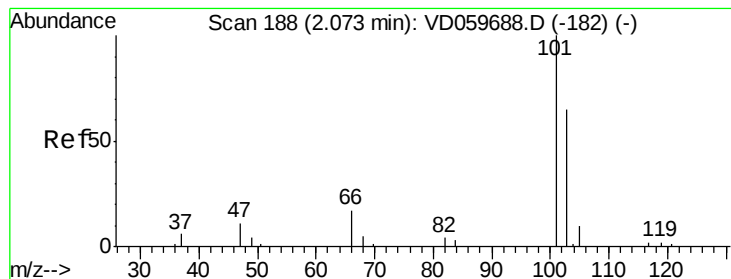
66 38.1 27.2 40.8



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



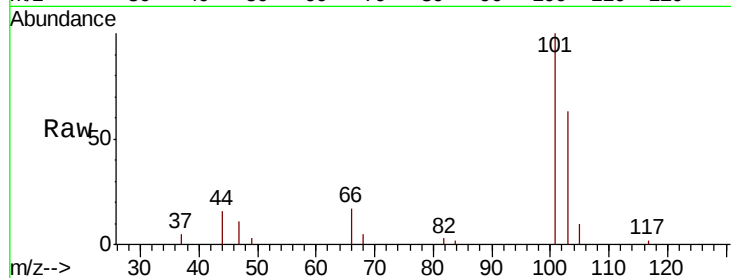


#7

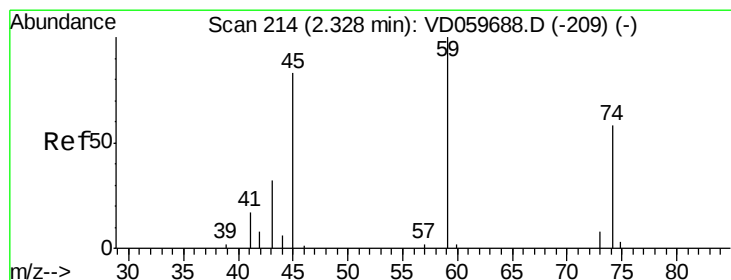
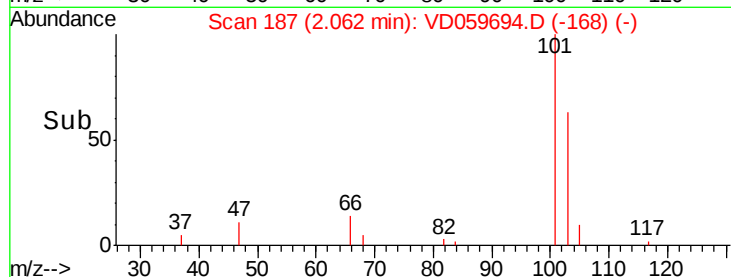
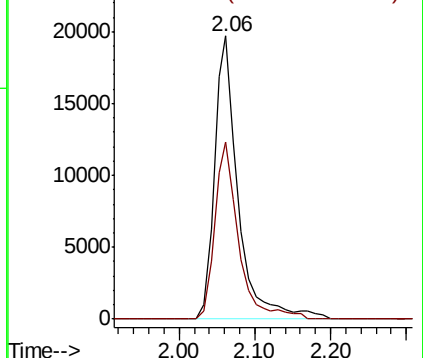
Trichlorofluoromethane
 Concen: 17.02 ug/l
 RT: 2.06 min Scan# 187
 Delta R.T. -0.01 min
 Lab File: VD059694.D
 Acq: 6 Aug 2018 15:32

Instrument :
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 ClientSampleId :
 VSTDIC020

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



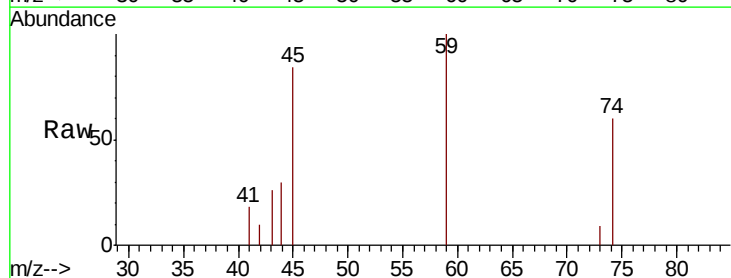
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



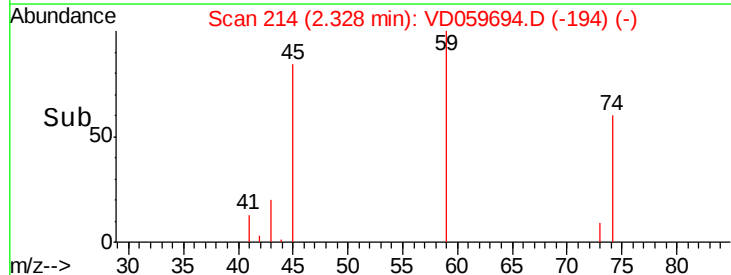
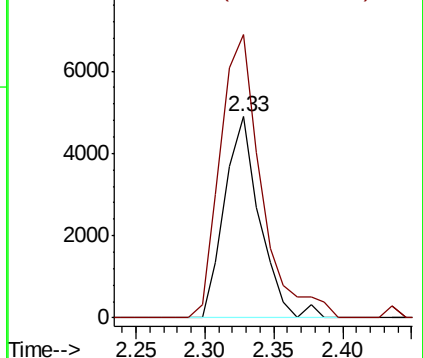
#8

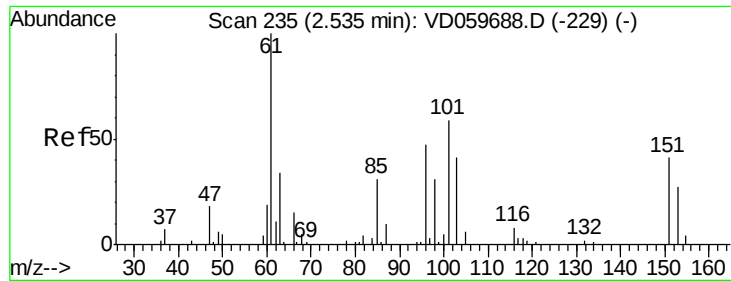
Diethyl Ether
 Concen: 18.42 ug/l
 RT: 2.33 min Scan# 214
 Delta R.T. -0.00 min
 Lab File: VD059694.D
 Acq: 6 Aug 2018 15:32

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



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

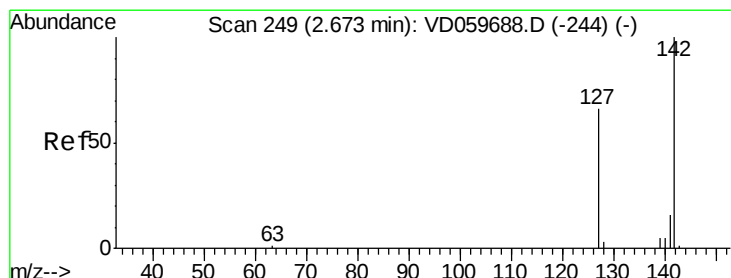
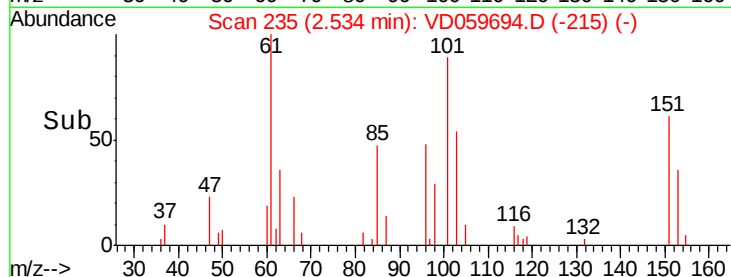
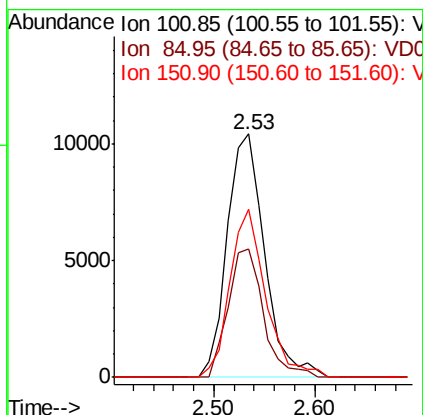
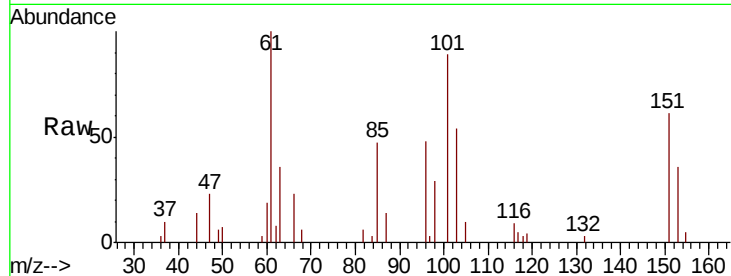




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.53 ug/l
 RT: 2.53 min Scan# 235
 Delta R.T. -0.00 min
 Lab File: VD059694.D
 Acq: 6 Aug 2018 15:32

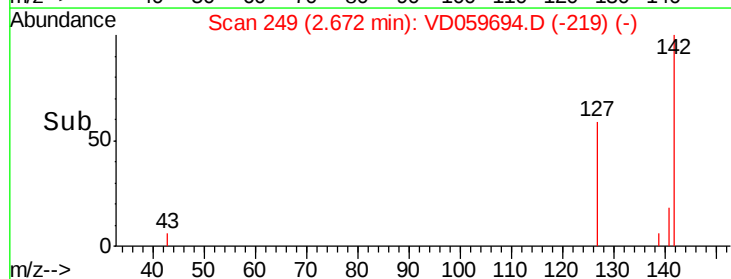
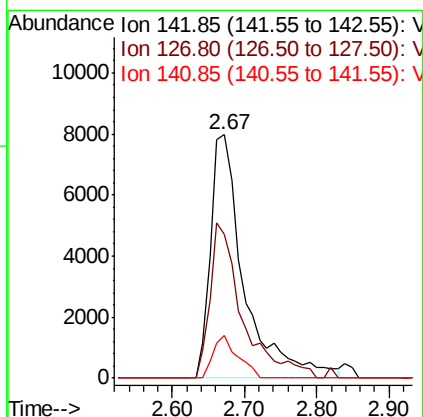
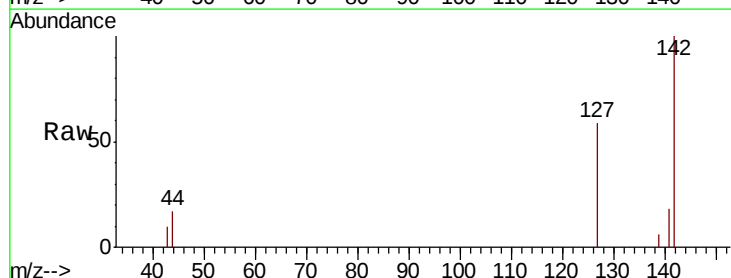
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

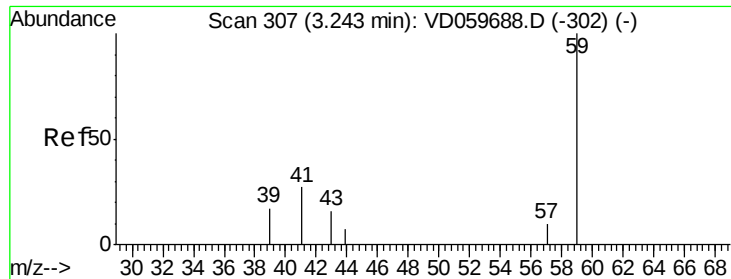
Tot Ion:101 Resp: 26956
 Ion Ratio Lower Upper
 101 100
 85 52.5 42.2 63.4
 151 68.9 55.2 82.8



#10
 Methyl Iodide
 Concen: 15.44 ug/l
 RT: 2.67 min Scan# 249
 Delta R.T. -0.00 min
 Lab File: VD059694.D
 Acq: 6 Aug 2018 15:32

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

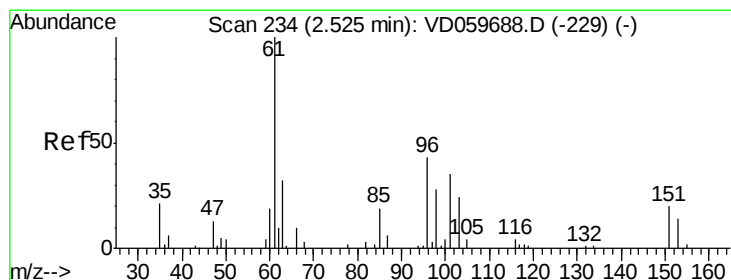
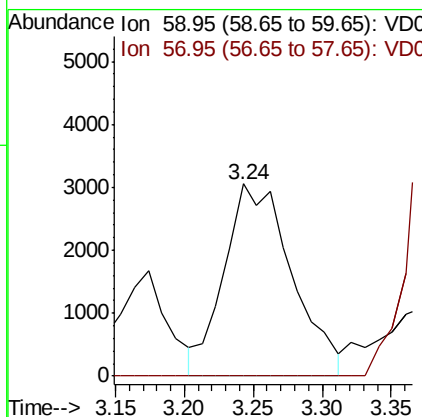
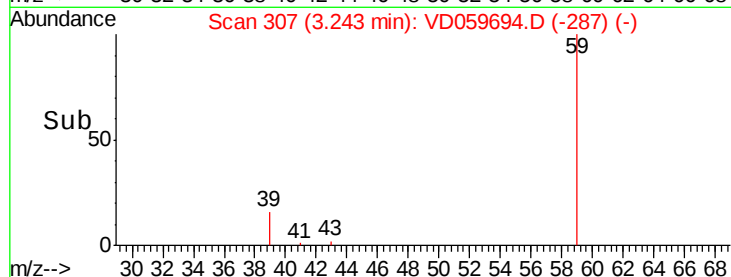
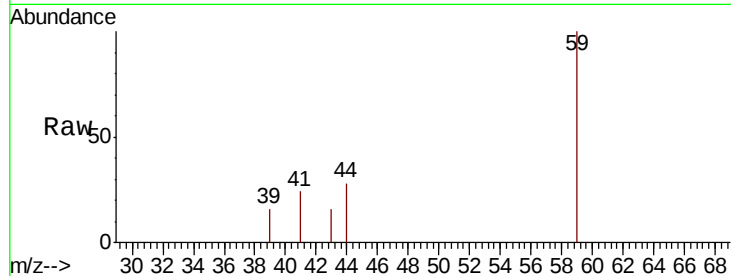




#11
Tert butyl alcohol
Concen: 105.77 ug/l
RT: 3.24 min Scan# 307
Delta R.T. -0.00 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

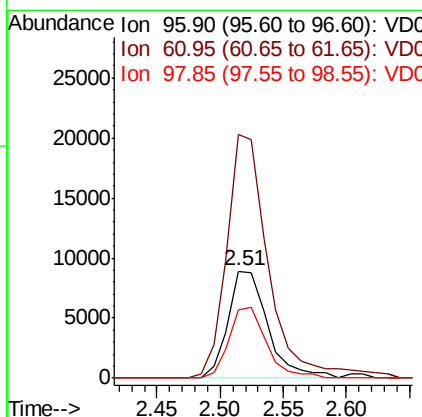
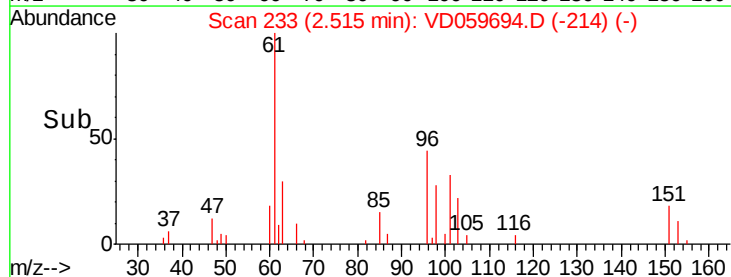
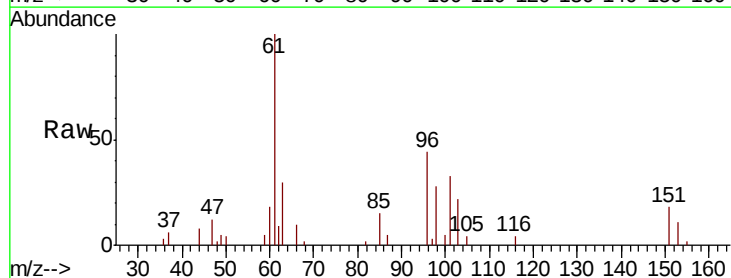
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

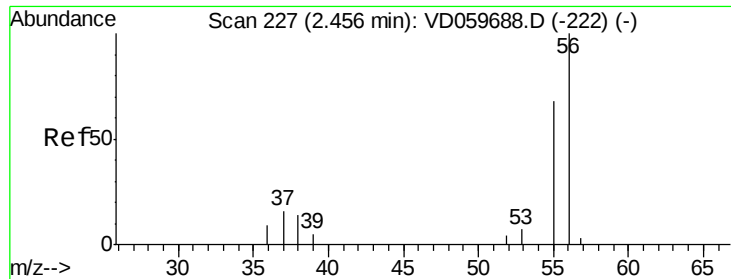
Tot Ion: 59 Resp: 10424
Ion Ratio Lower Upper
59 100
57 0.0 6.8 10.2#



#12
1,1-Dichloroethene
Concen: 18.08 ug/l
RT: 2.51 min Scan# 233
Delta R.T. -0.01 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

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





#13

Acrolein

Concen: 99.64 ug/l

RT: 2.46 min Scan# 227

Delta R.T. -0.00 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

Instrument :

MSVOA_D

ClientSampleId :

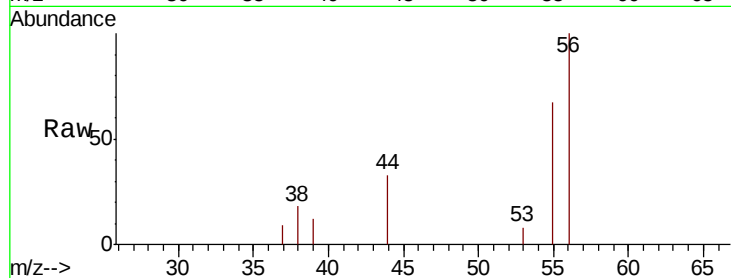
VSTDIC020

Tot Ion: 56 Resp: 9374

Ion Ratio Lower Upper

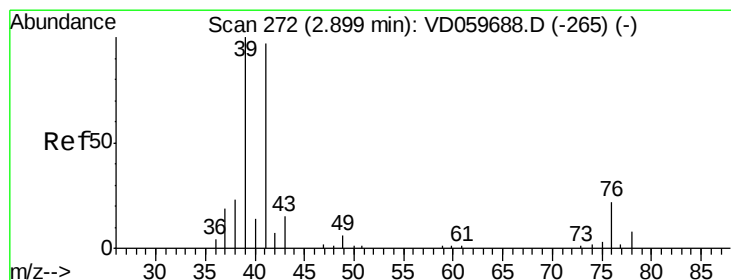
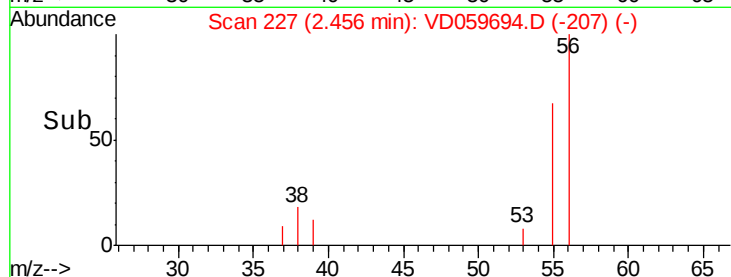
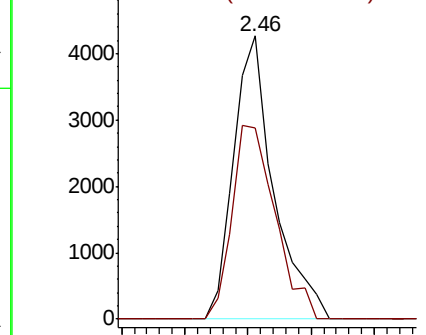
56 100

55 67.5 54.4 81.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 17.89 ug/l

RT: 2.90 min Scan# 272

Delta R.T. -0.00 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

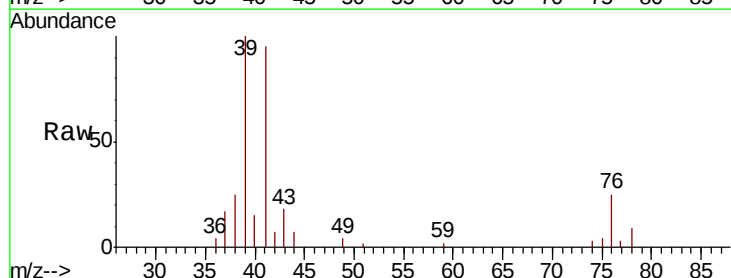
Tgt Ion: 41 Resp: 43718

Ion Ratio Lower Upper

41 100

39 104.9 82.5 123.7

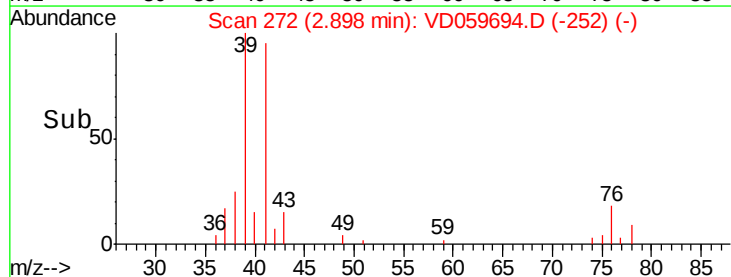
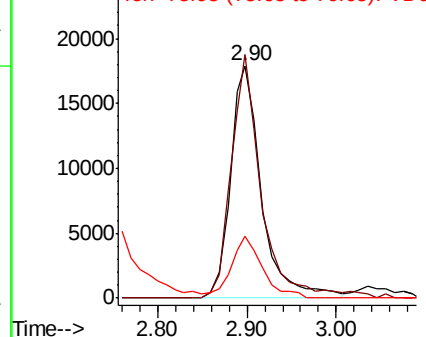
76 26.6 22.1 33.1

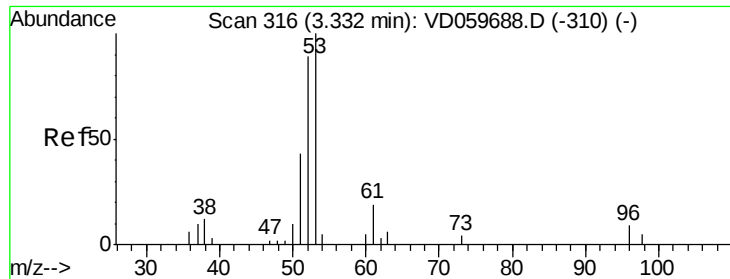


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 95.99 ug/l

RT: 3.34 min Scan# 317

Delta R.T. 0.01 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

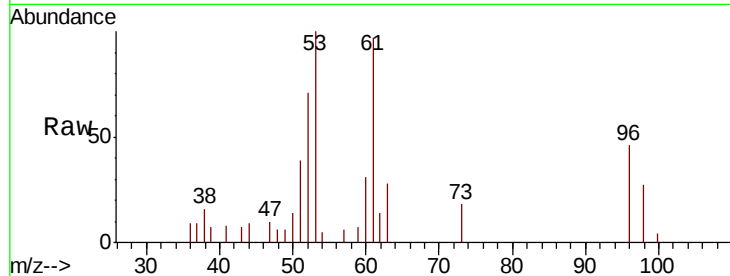
Tot Ion: 53 Resp: 27195

Ion Ratio Lower Upper

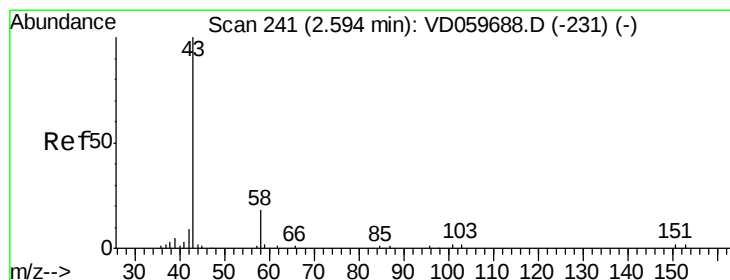
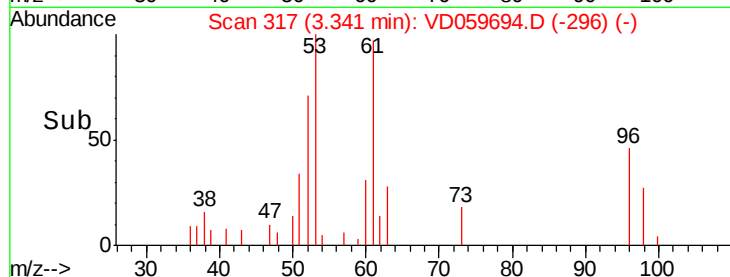
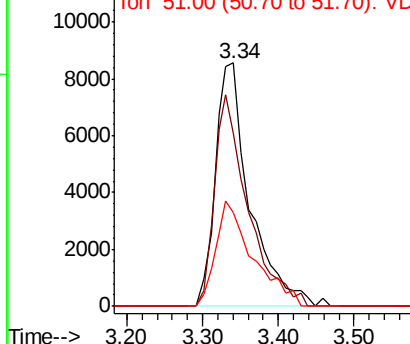
53 100

52 71.1 71.4 107.0#

51 38.8 34.2 51.4



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



#16

Acetone

Concen: 87.20 ug/l

RT: 2.59 min Scan# 241

Delta R.T. -0.00 min

Lab File: VD059694.D

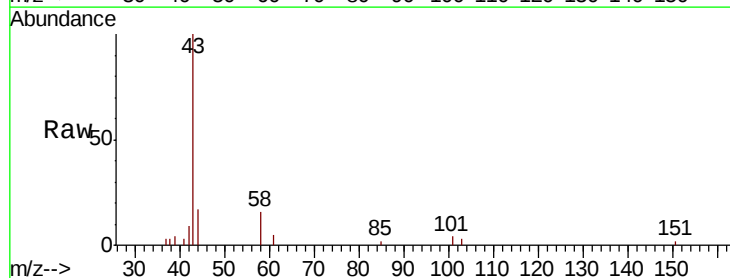
Acq: 6 Aug 2018 15:32

Tgt Ion: 43 Resp: 45397

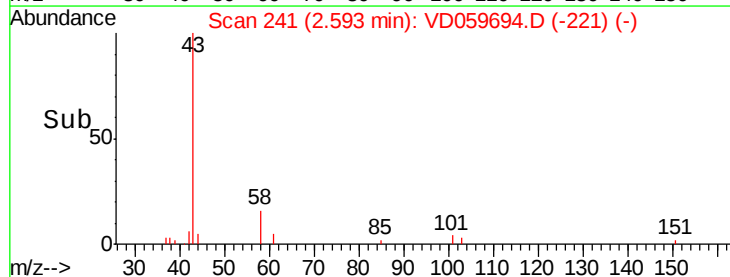
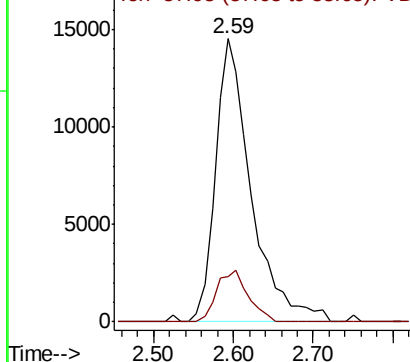
Ion Ratio Lower Upper

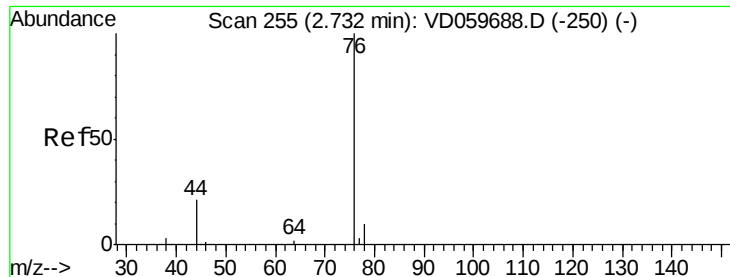
43 100

58 16.2 14.2 21.2



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

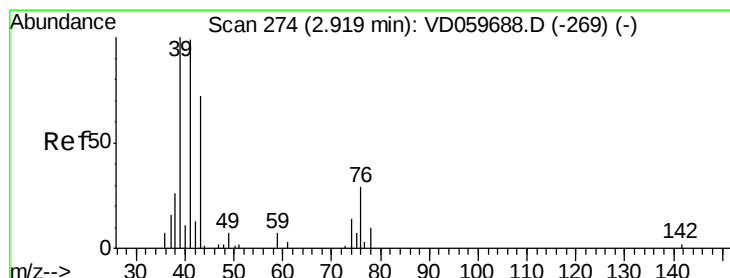
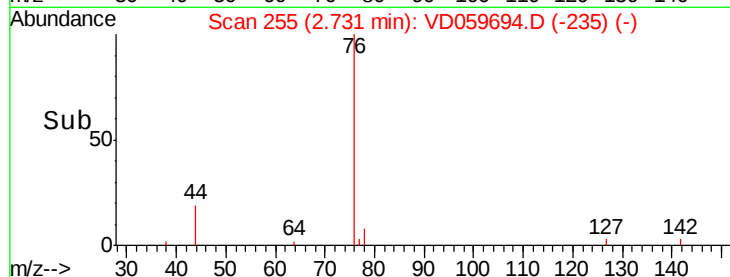
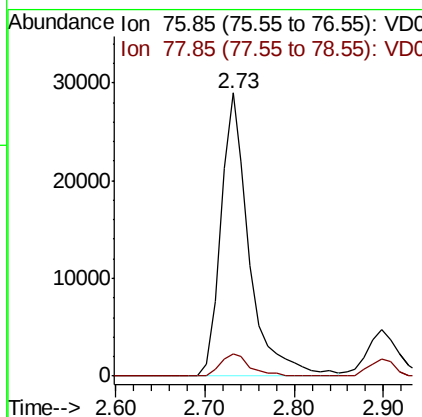
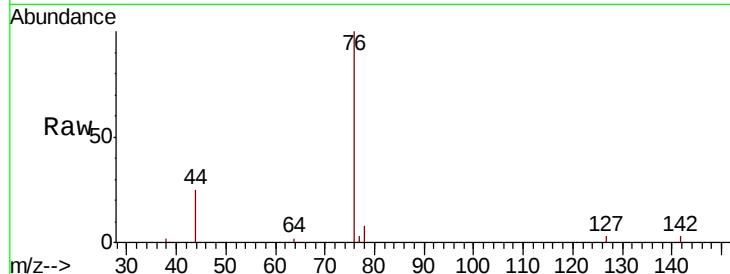




#17
Carbon Disulfide
Concen: 16.91 ug/l
RT: 2.73 min Scan# 255
Delta R.T. -0.00 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

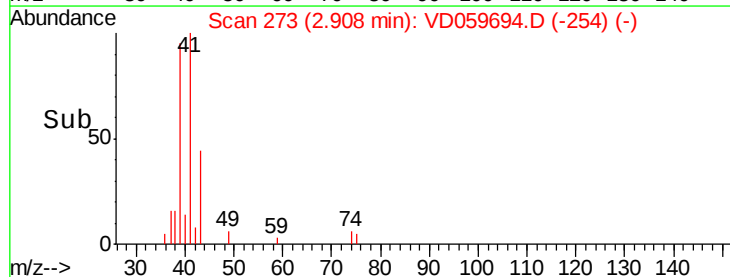
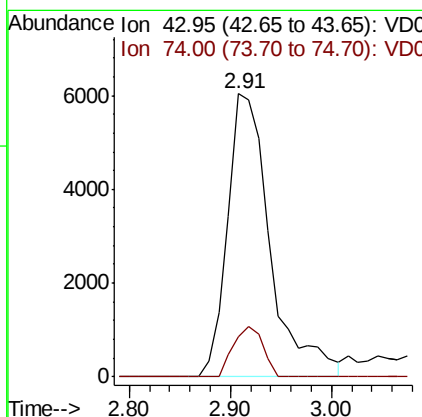
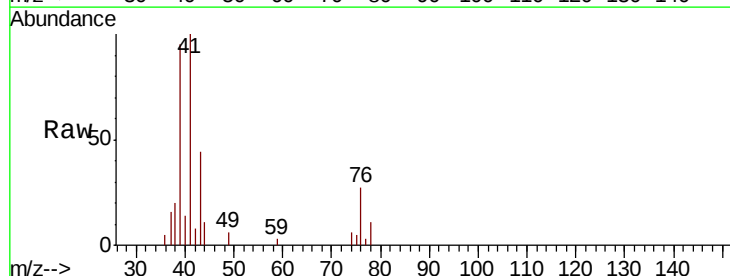
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

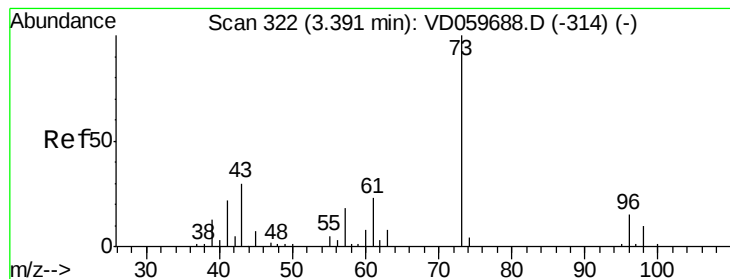
Tot Ion: 76 Resp: 64321
Ion Ratio Lower Upper
76 100
78 7.8 7.7 11.5



#18
Methyl Acetate
Concen: 19.15 ug/l
RT: 2.91 min Scan# 273
Delta R.T. -0.01 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

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



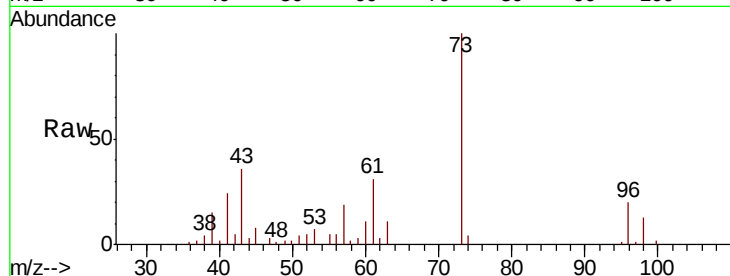


#19

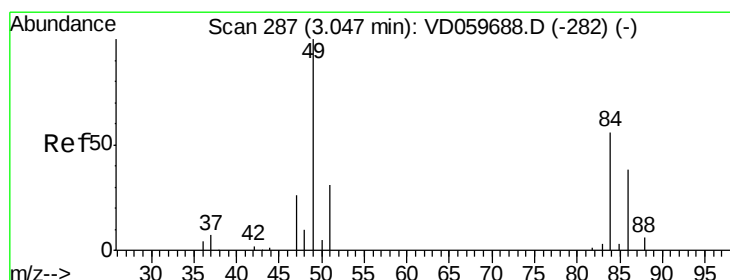
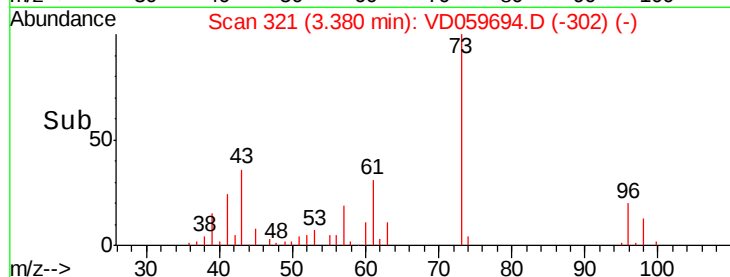
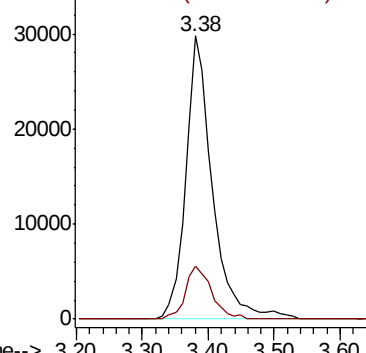
Methyl tert-butyl Ether
 Concen: 20.28 ug/l
 RT: 3.38 min Scan# 321
 Delta R.T. -0.01 min
 Lab File: VD059694.D
 Acq: 6 Aug 2018 15:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

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



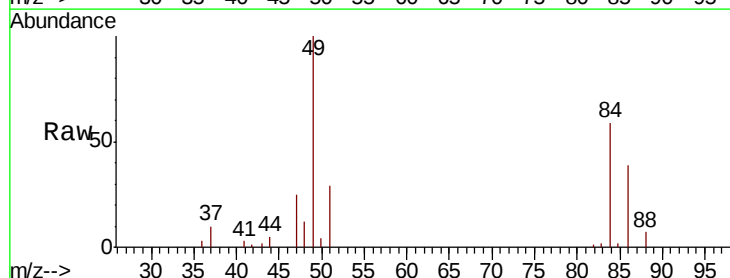
Abundance Ion 73.00 (72.70 to 73.70): VDC
 Ion 57.05 (56.75 to 57.75): VDC



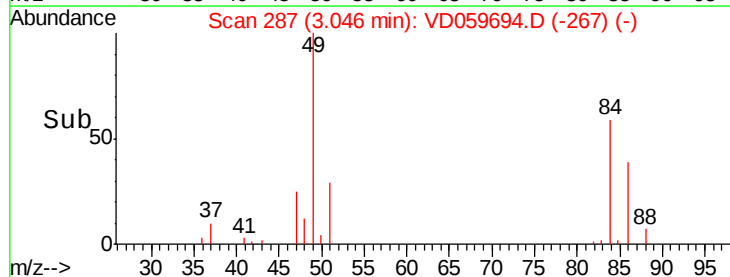
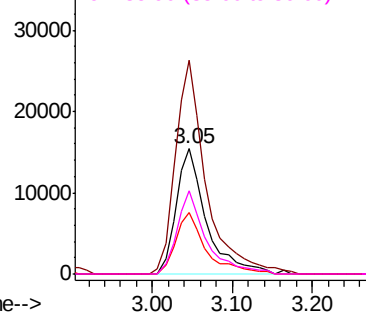
#20

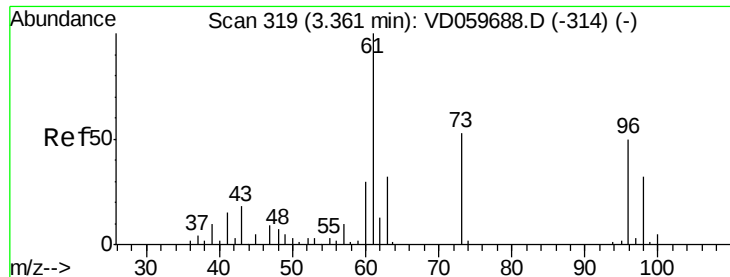
Methylene Chloride
 Concen: 21.06 ug/l
 RT: 3.05 min Scan# 287
 Delta R.T. -0.00 min
 Lab File: VD059694.D
 Acq: 6 Aug 2018 15:32

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



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





#21

trans-1,2-Dichloroethene

Concen: 17.37 ug/l

RT: 3.37 min Scan# 320

Delta R.T. 0.01 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

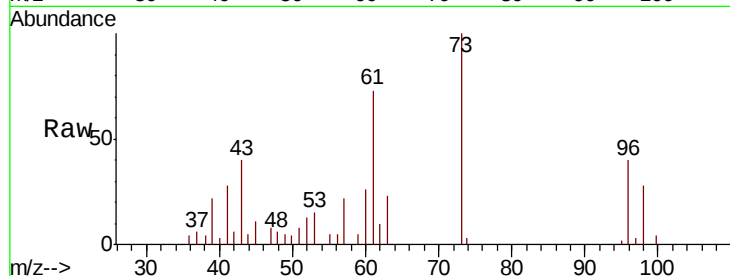
Tot Ion: 96 Resp: 25336

Ion Ratio Lower Upper

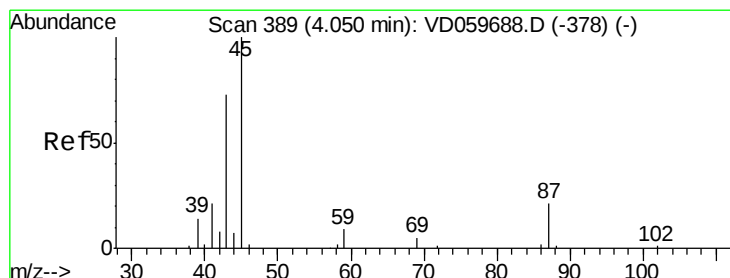
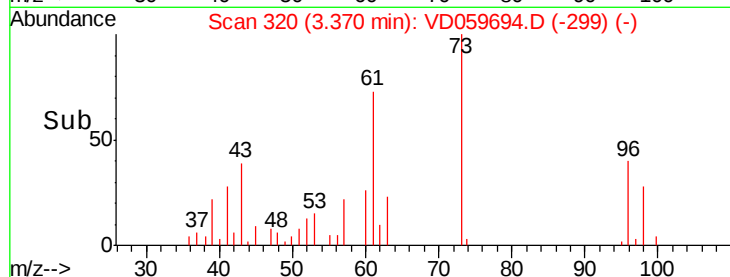
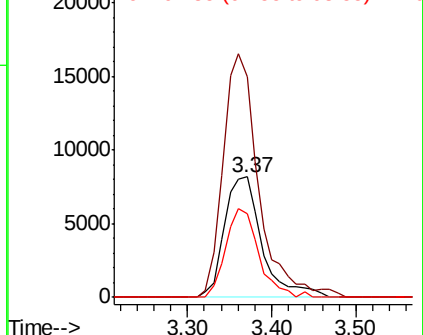
96 100

61 183.1 160.6 241.0

98 69.9 50.9 76.3



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: 19.26 ug/l

RT: 4.05 min Scan# 389

Delta R.T. -0.00 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

Tgt Ion: 45 Resp: 107411

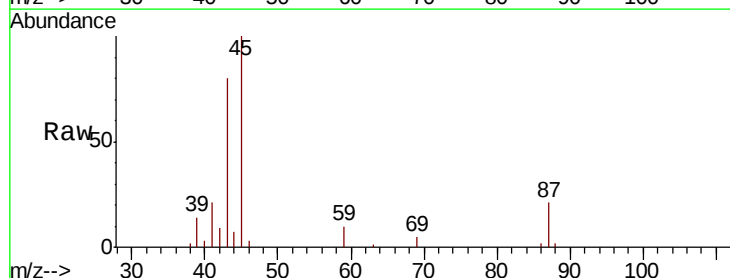
Ion Ratio Lower Upper

45 100

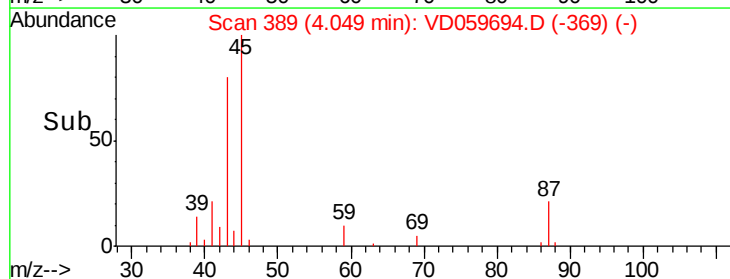
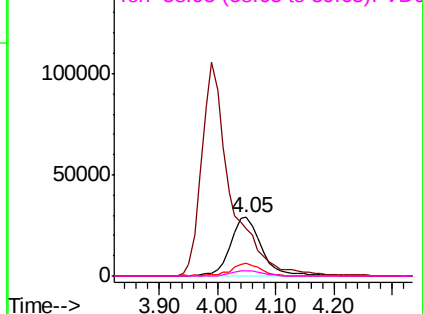
43 80.2 60.3 90.5

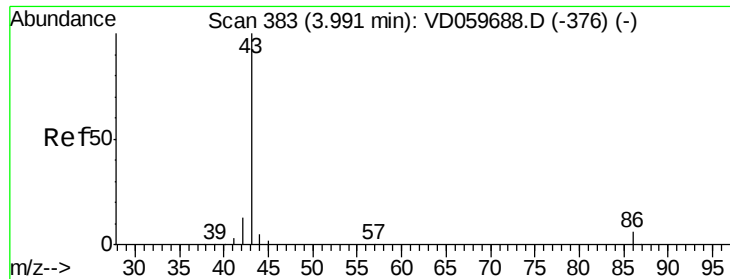
87 21.3 17.0 25.6

59 9.8 7.9 11.9



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





#23

Vinyl Acetate

Concen: 103.67 ug/l

RT: 3.99 min Scan# 383

Delta R.T. -0.00 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

Instrument :

MSVOA_D

ClientSampleId :

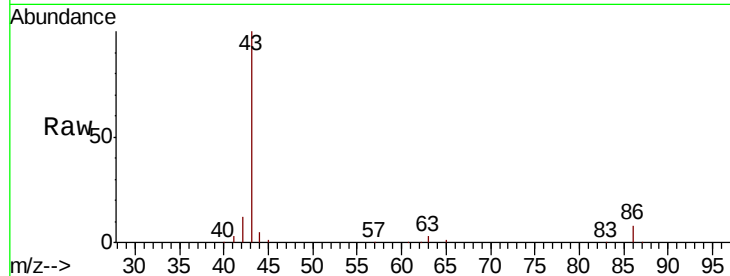
VSTDIC020

Tot Ion: 43 Resp: 360926

Ion Ratio Lower Upper

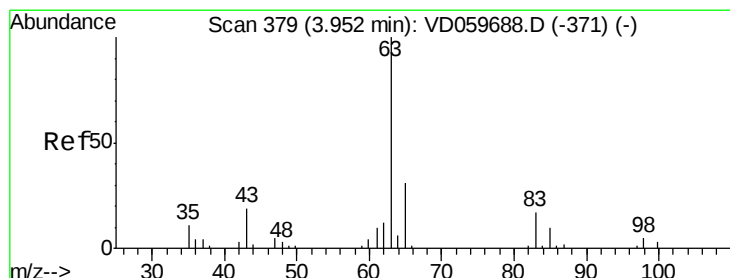
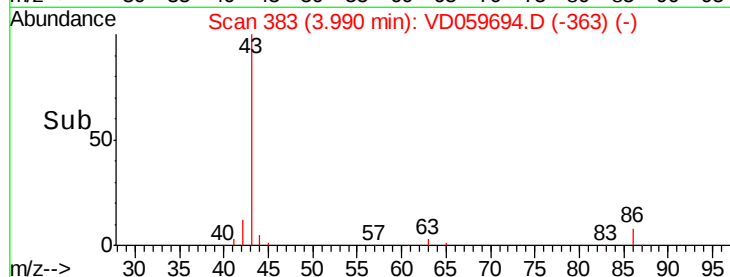
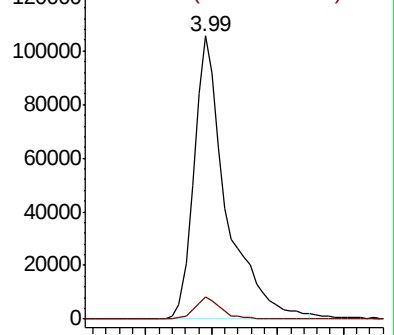
43 100

86 7.7 4.8 7.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.49 ug/l

RT: 3.94 min Scan# 378

Delta R.T. -0.01 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

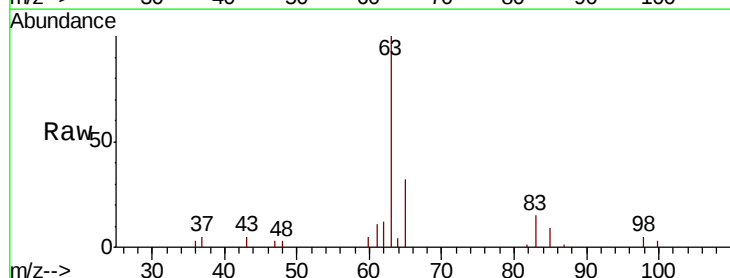
Tgt Ion: 63 Resp: 73226

Ion Ratio Lower Upper

63 100

98 4.7 2.4 7.1

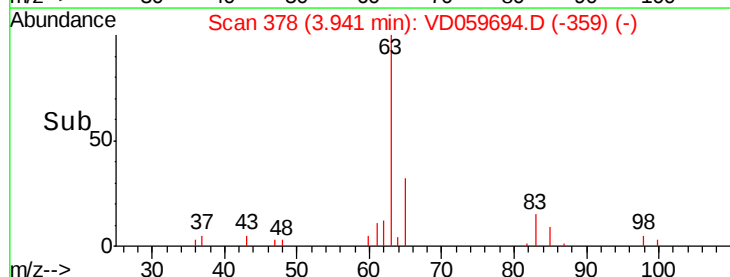
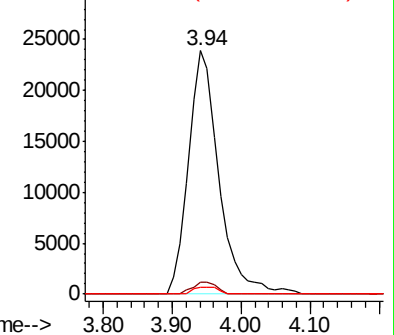
100 2.9 1.6 4.8

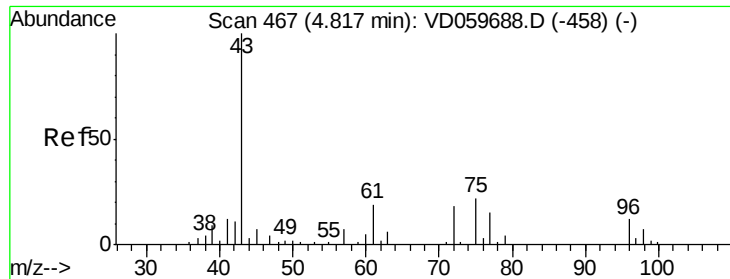


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 90.80 ug/l

RT: 4.82 min Scan# 467

Delta R.T. -0.00 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

Instrument :

MSVOA_D

ClientSampleId :

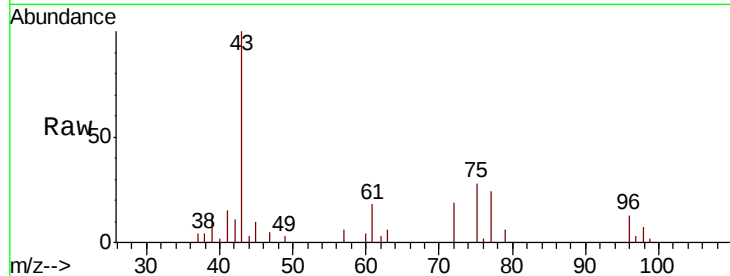
VSTDIC020

Tot Ion: 43 Resp: 60275

Ion Ratio Lower Upper

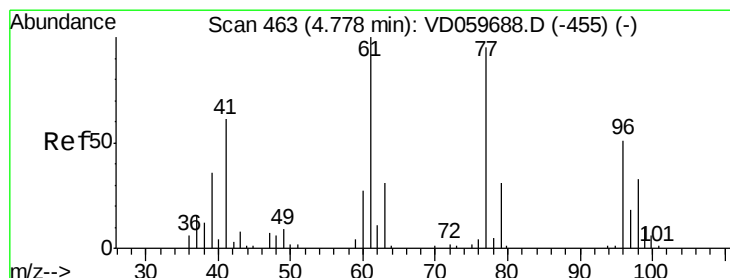
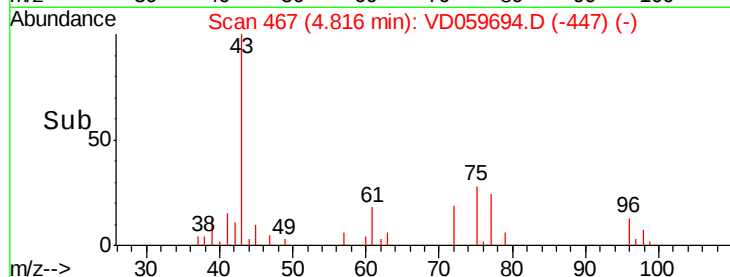
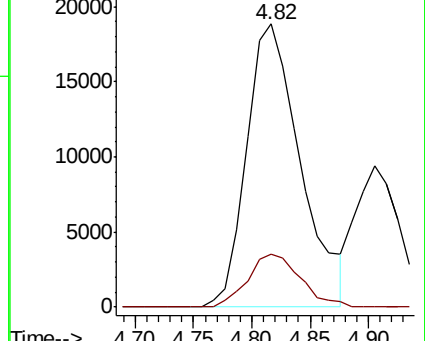
43 100

72 18.8 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 17.83 ug/l

RT: 4.77 min Scan# 462

Delta R.T. -0.01 min

Lab File: VD059694.D

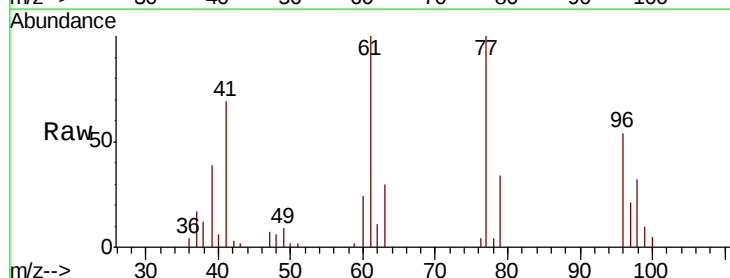
Acq: 6 Aug 2018 15:32

Tgt Ion: 77 Resp: 72740

Ion Ratio Lower Upper

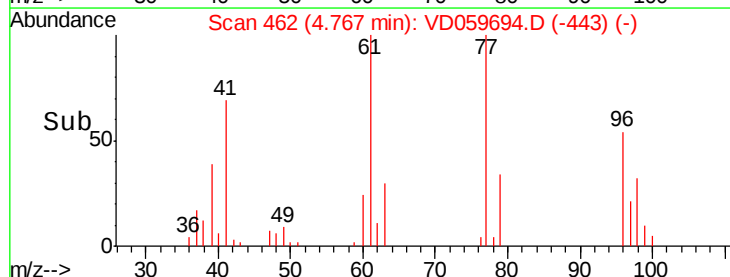
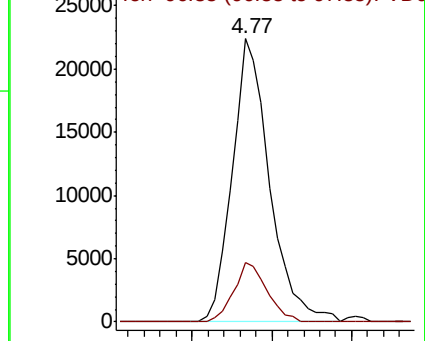
77 100

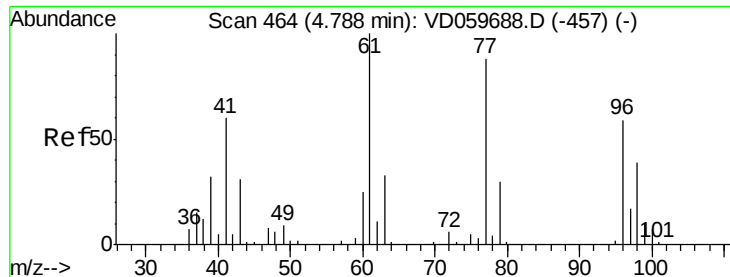
97 20.8 9.4 28.3



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 19.22 ug/l

RT: 4.78 min Scan# 463

Delta R.T. -0.01 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

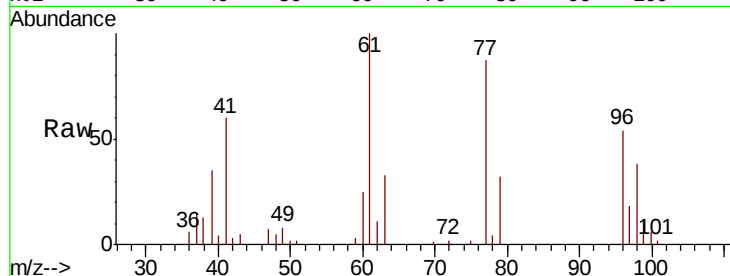
Tot Ion: 96 Resp: 37902

Ion Ratio Lower Upper

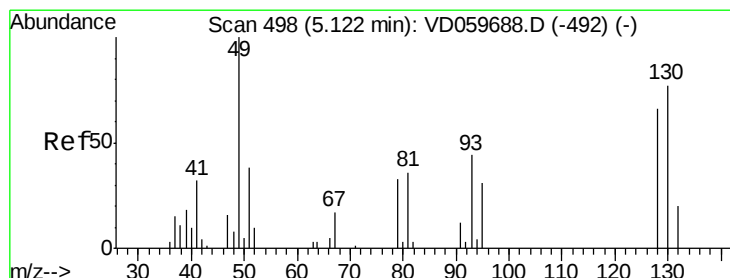
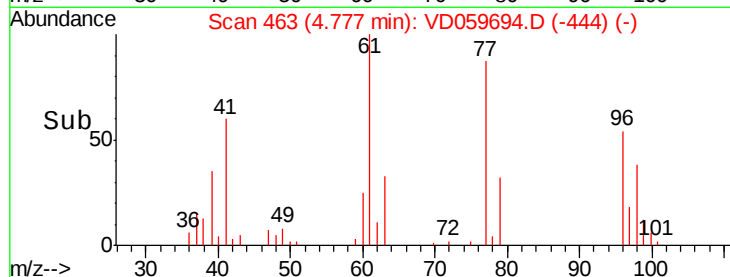
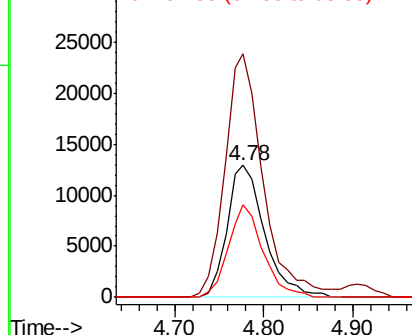
96 100

61 184.9 0.0 341.6

98 69.9 0.0 131.0



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



#28

Bromochloromethane

Concen: 20.83 ug/l

RT: 5.12 min Scan# 498

Delta R.T. -0.00 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

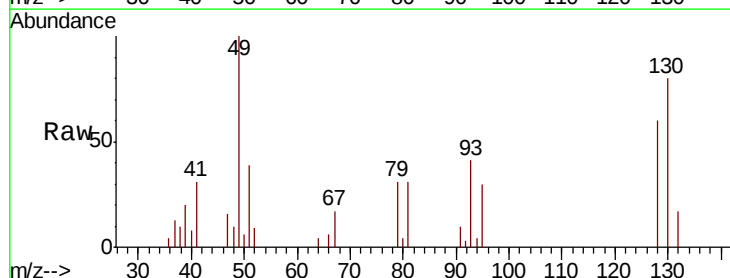
Tgt Ion: 49 Resp: 29000

Ion Ratio Lower Upper

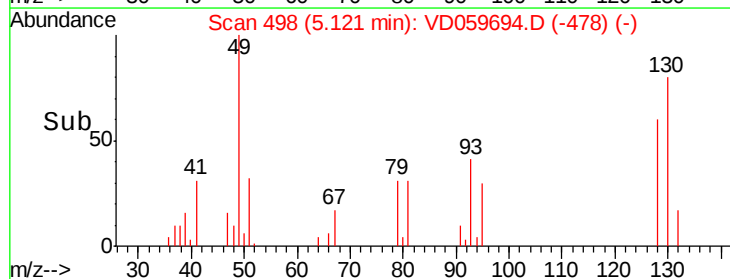
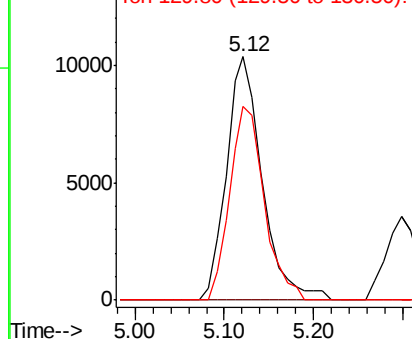
49 100

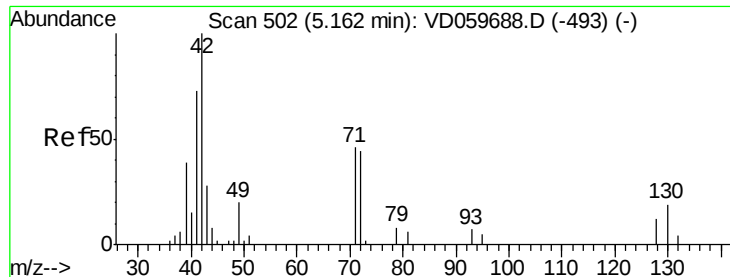
129 0.0 0.0 0.0

130 79.7 61.2 91.8



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





#29

Tetrahydrofuran

Concen: 95.41 ug/l

RT: 5.16 min Scan# 502

Delta R.T. -0.00 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

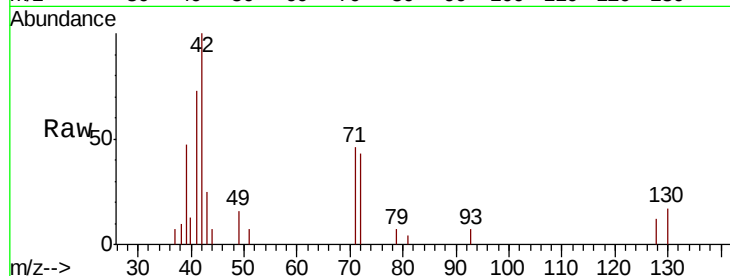
Tot Ion: 42 Resp: 24780

Ion Ratio Lower Upper

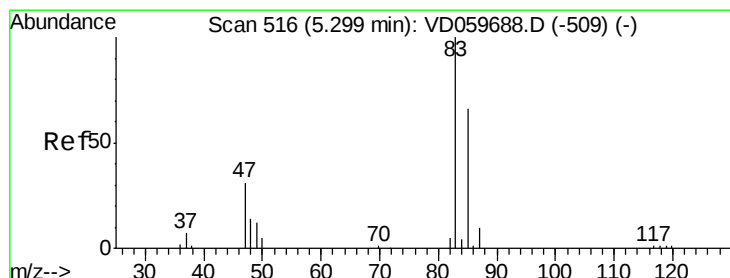
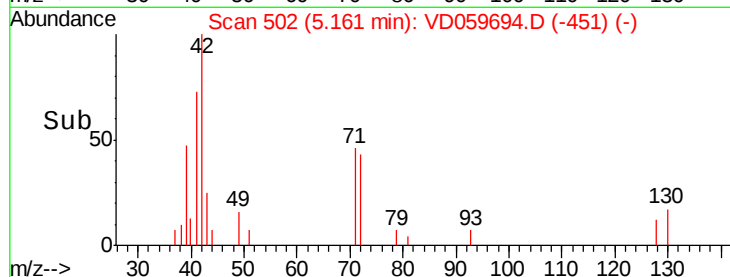
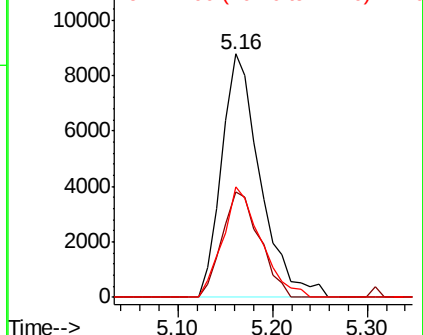
42 100

72 42.1 36.7 55.1

71 44.8 36.3 54.5



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



#30

Chloroform

Concen: 19.30 ug/l

RT: 5.30 min Scan# 516

Delta R.T. -0.00 min

Lab File: VD059694.D

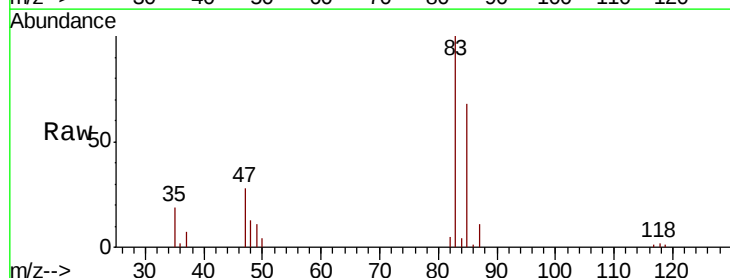
Acq: 6 Aug 2018 15:32

Tgt Ion: 83 Resp: 87539

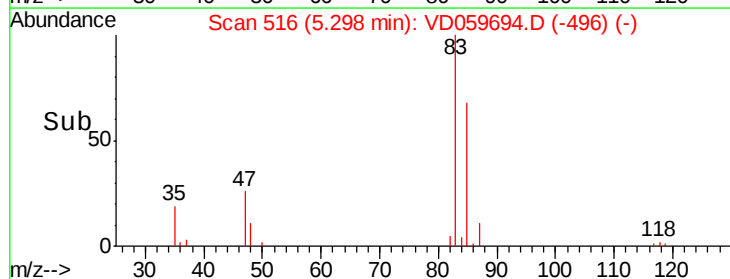
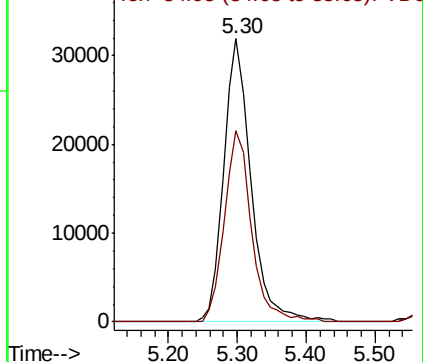
Ion Ratio Lower Upper

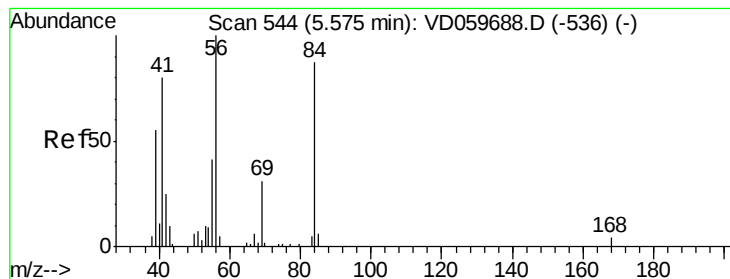
83 100

85 67.8 52.6 79.0



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





#31

Cyclohexane

Concen: 18.08 ug/l

RT: 5.56 min Scan# 543

Delta R.T. -0.01 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

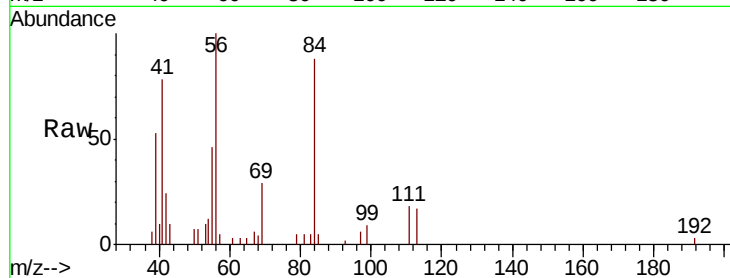
Tot Ion: 56 Resp: 49455

Ion Ratio Lower Upper

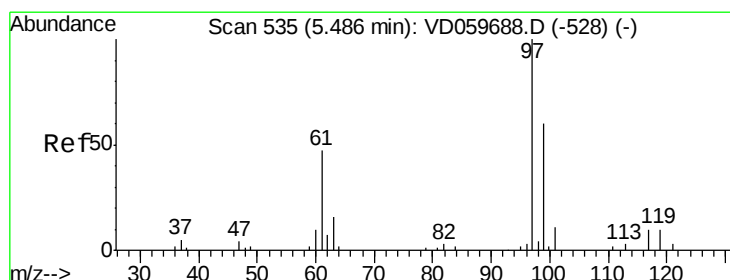
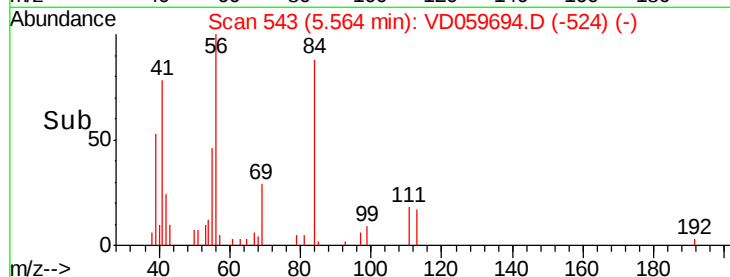
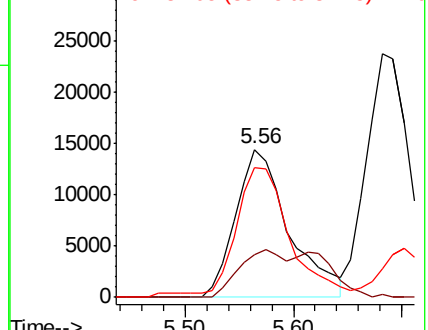
56 100

69 28.7 24.7 37.1

84 88.1 72.2 108.2



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



#32

1,1,1-Trichloroethane

Concen: 18.71 ug/l

RT: 5.49 min Scan# 535

Delta R.T. -0.00 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

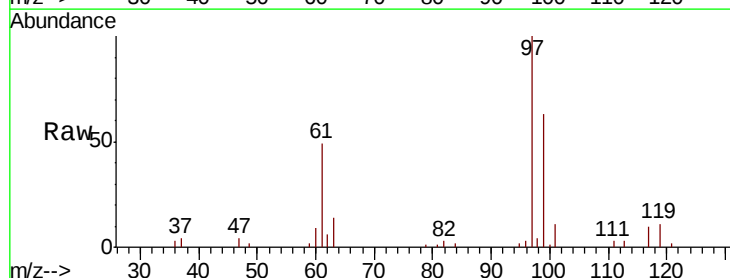
Tgt Ion: 97 Resp: 83141

Ion Ratio Lower Upper

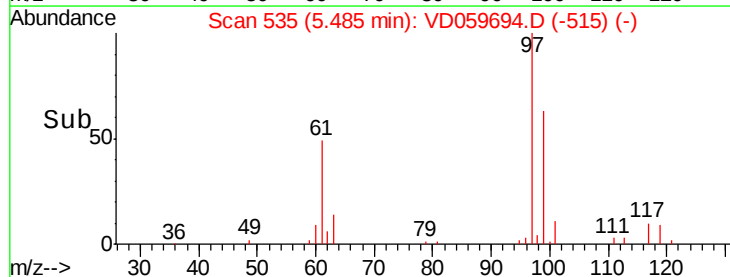
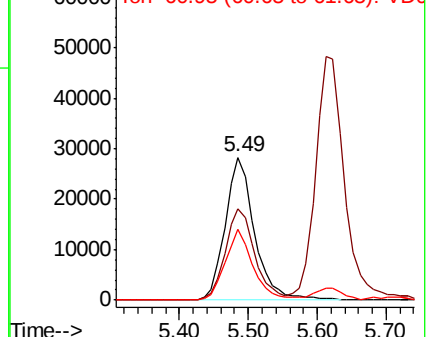
97 100

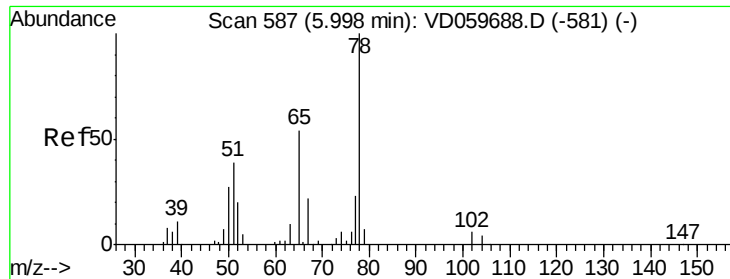
99 63.4 48.2 72.2

61 49.2 37.5 56.3



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

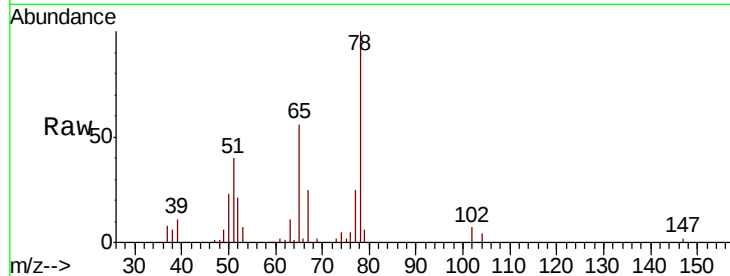




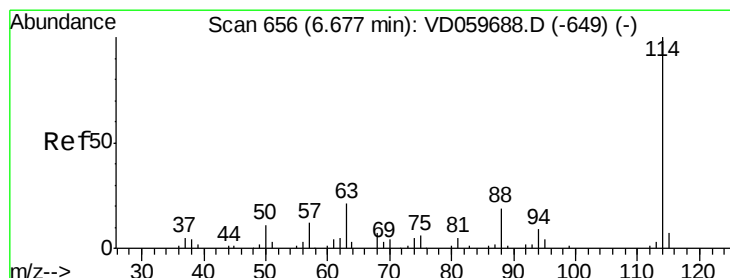
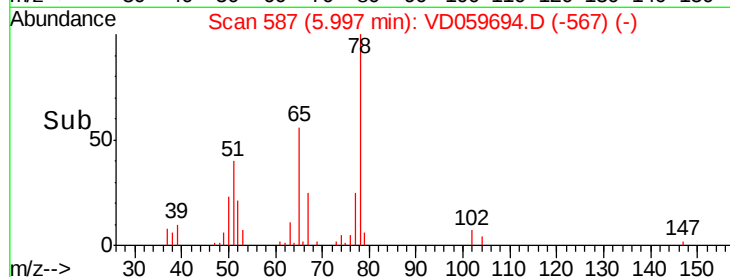
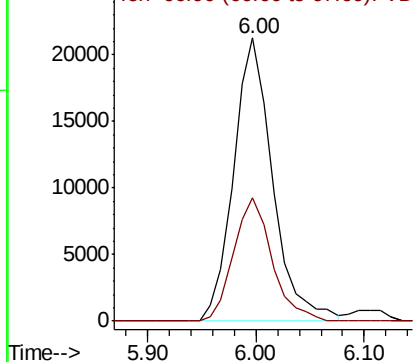
#33
 1,2-Dichloroethane-d4
 Concen: 18.71 ug/l
 RT: 6.00 min Scan# 587
 Delta R.T. -0.00 min
 Lab File: VD059694.D
 Acq: 6 Aug 2018 15:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

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

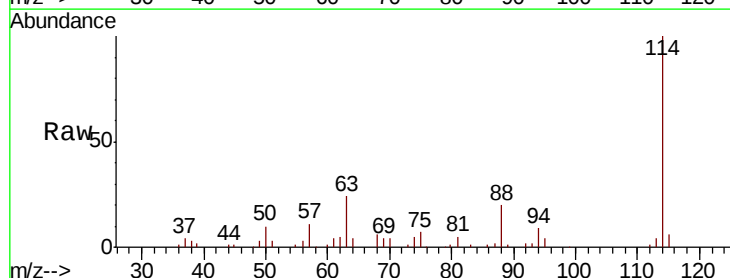


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

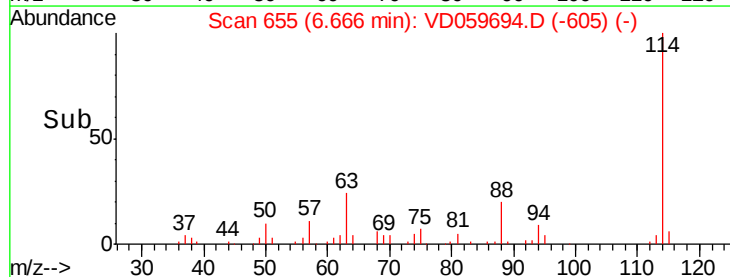
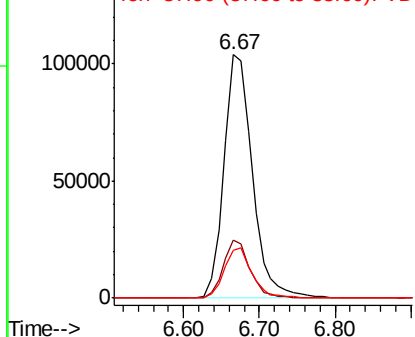


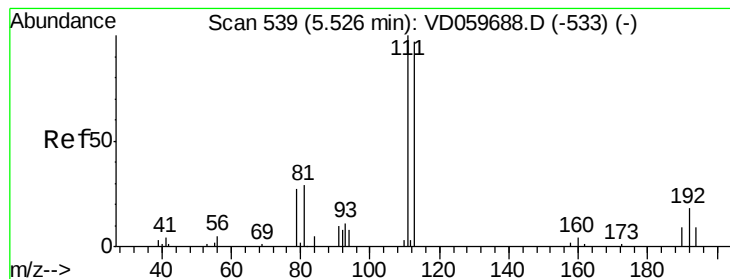
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.67 min Scan# 655
 Delta R.T. -0.01 min
 Lab File: VD059694.D
 Acq: 6 Aug 2018 15:32

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



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: 50.00 ug/l

RT: 5.52 min Scan# 539

Delta R.T. -0.00 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

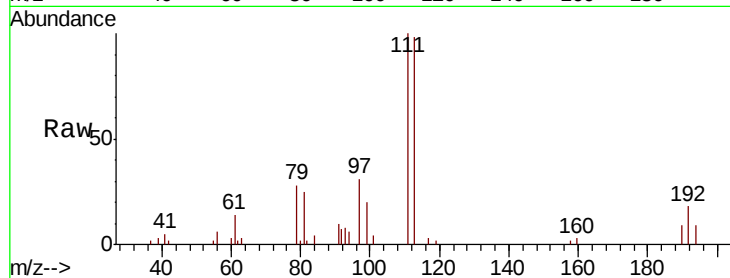
Tot Ion:113 Resp: 46091

Ion Ratio Lower Upper

113 100

111 101.9 82.8 124.2

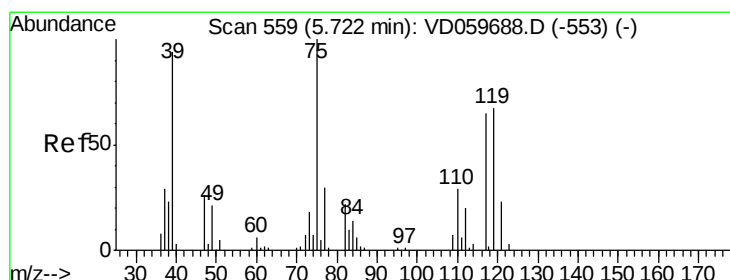
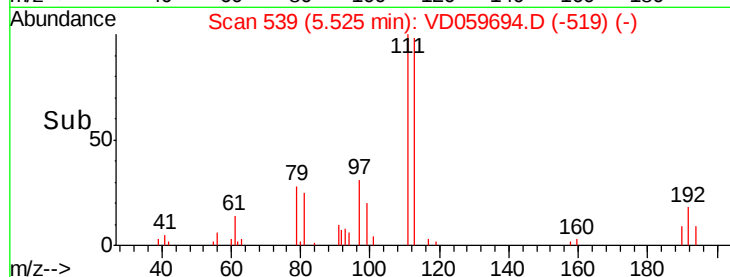
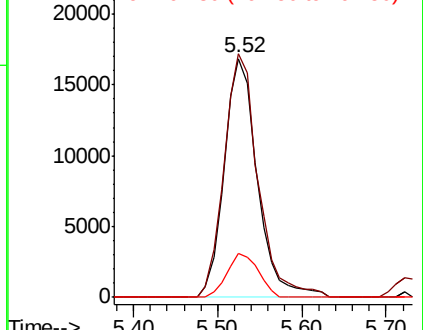
192 18.5 14.6 22.0



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 18.15 ug/l

RT: 5.72 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

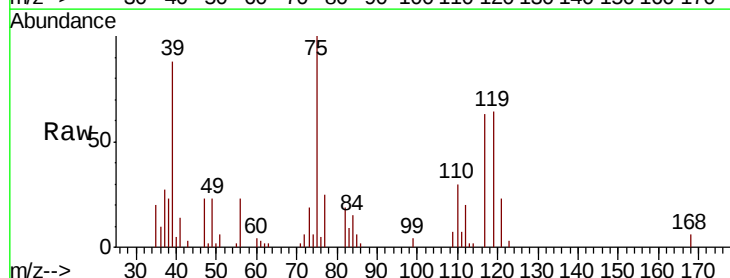
Tgt Ion: 75 Resp: 54791

Ion Ratio Lower Upper

75 100

110 29.9 14.1 42.3

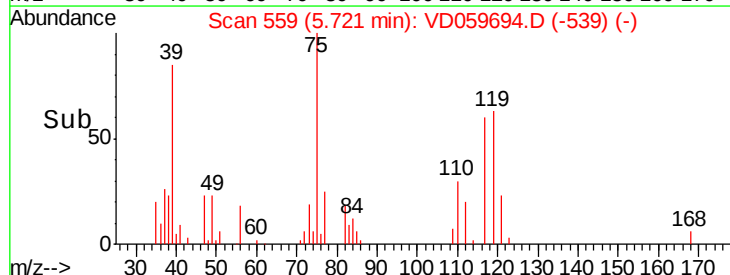
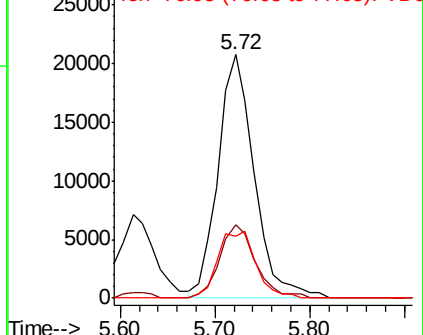
77 25.2 23.9 35.9

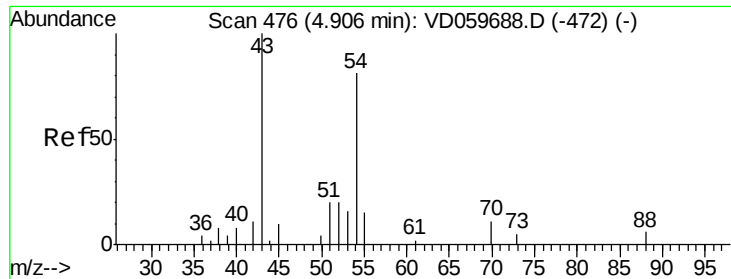


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

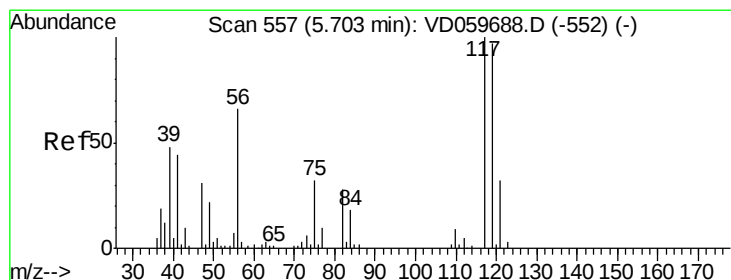
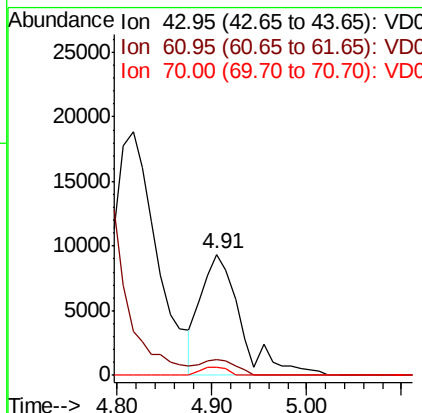
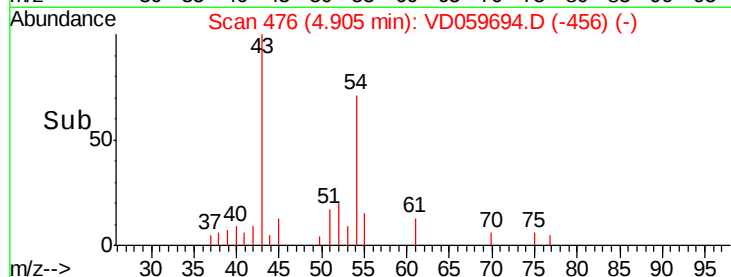
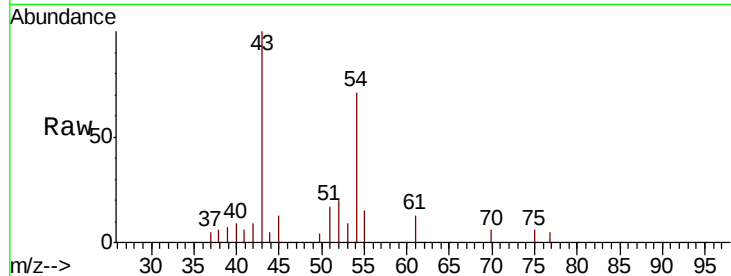




#37
Ethyl Acetate
Concen: 19.38 ug/l
RT: 4.91 min Scan# 476
Delta R.T. -0.00 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

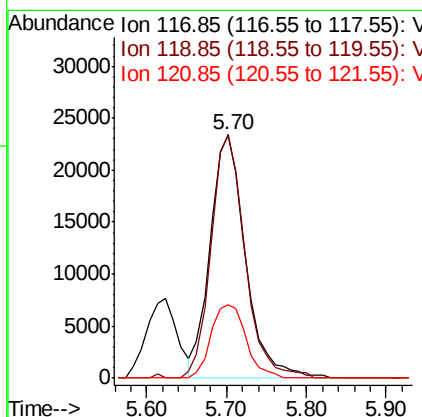
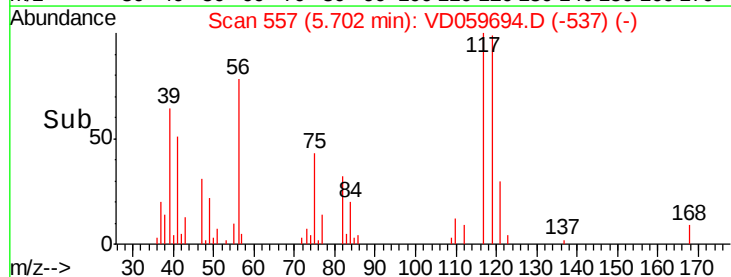
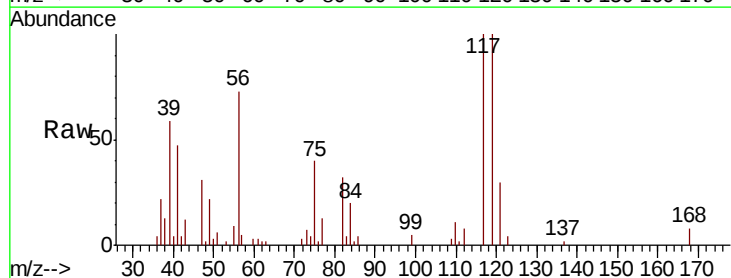
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

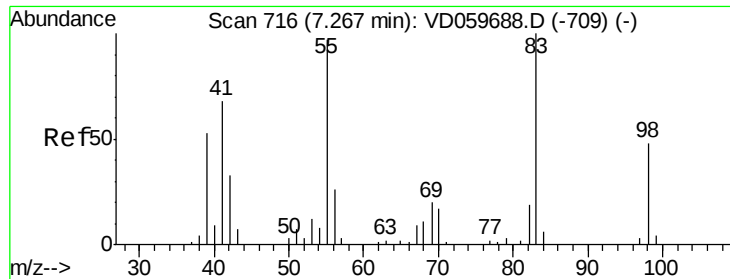
Tot Ion: 43 Resp: 27523
Ion Ratio Lower Upper
43 100
61 13.4 10.1 15.1
70 6.4 5.4 8.2



#38
Carbon Tetrachloride
Concen: 17.75 ug/l
RT: 5.70 min Scan# 557
Delta R.T. -0.00 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

Tgt Ion: 117 Resp: 72579
Ion Ratio Lower Upper
117 100
119 99.7 75.3 112.9
121 30.2 24.4 36.6

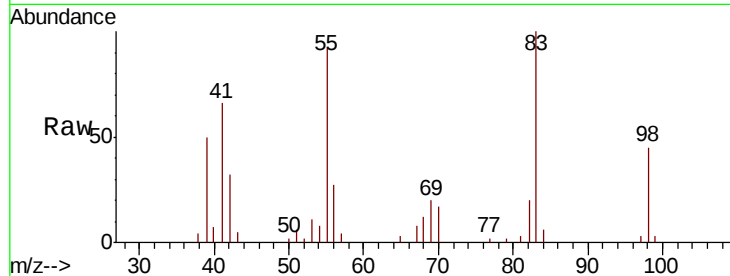




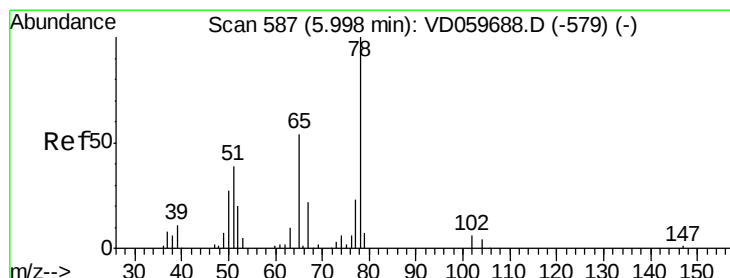
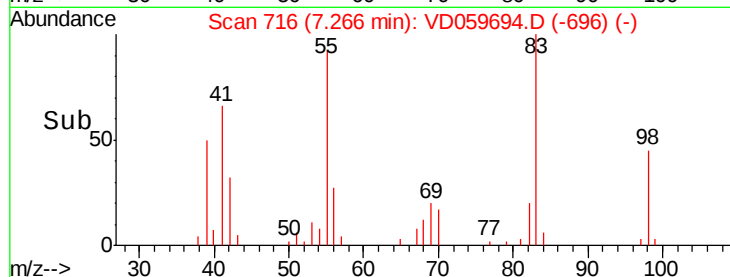
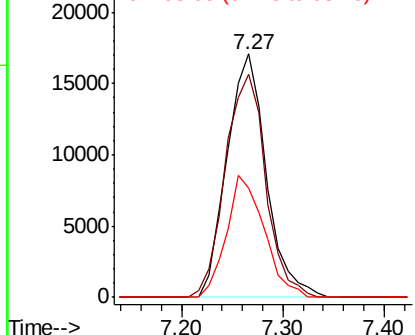
#39
Methylcyclohexane
Concen: 18.59 ug/l
RT: 7.27 min Scan# 716
Delta R.T. -0.00 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 83 Resp: 46457
Ion Ratio Lower Upper
83 100
55 91.8 77.7 116.5
98 45.0 38.7 58.1

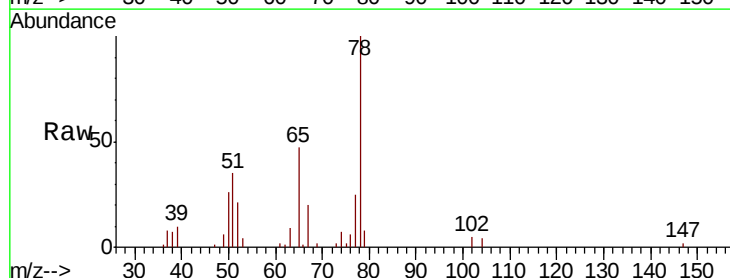


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

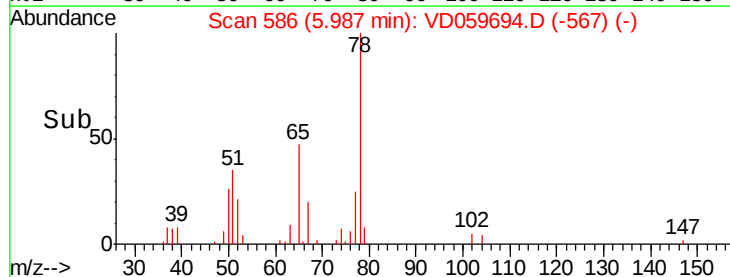
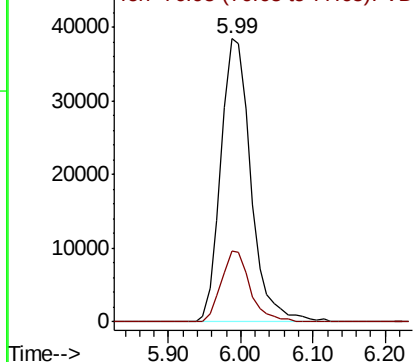


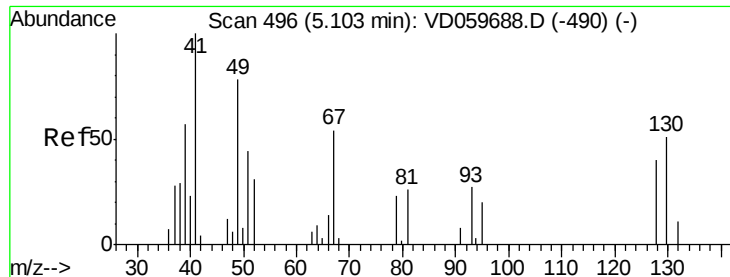
#40
Benzene
Concen: 19.07 ug/l
RT: 5.99 min Scan# 586
Delta R.T. -0.01 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

Tgt Ion: 78 Resp: 110995
Ion Ratio Lower Upper
78 100
77 24.9 18.4 27.6



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

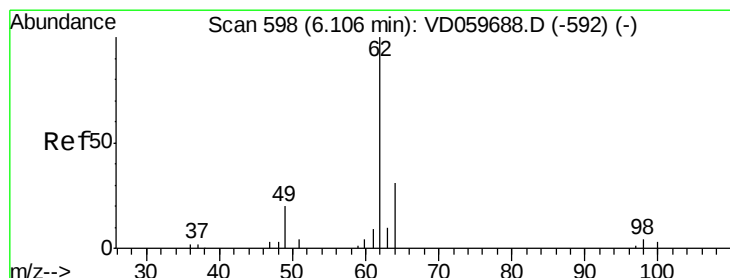
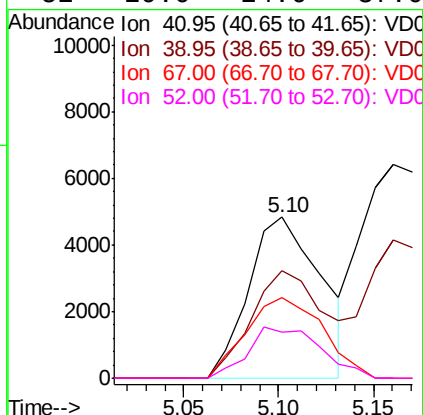
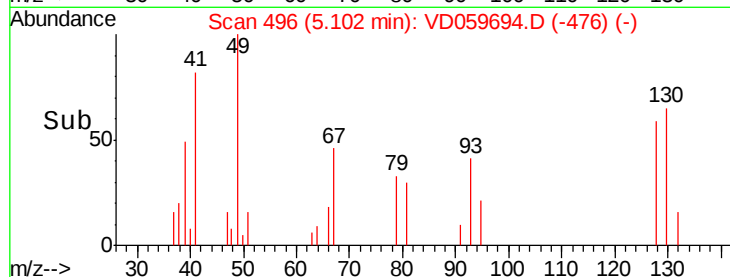
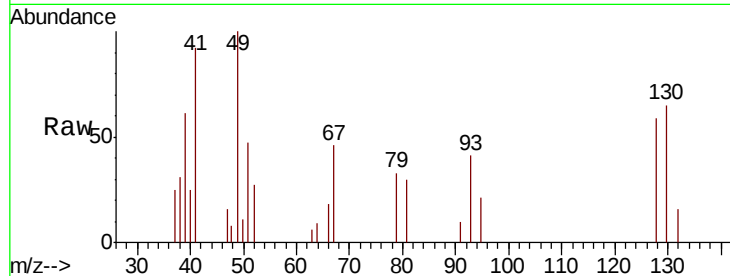




#41
Methacrylonitrile
Concen: 18.70 ug/l
RT: 5.10 min Scan# 496
Delta R.T. -0.00 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

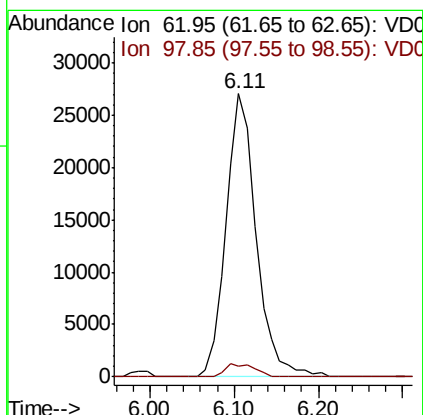
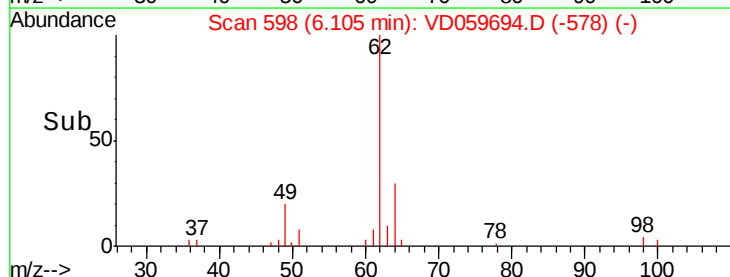
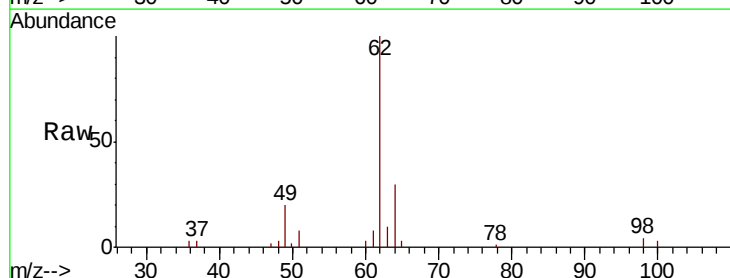
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

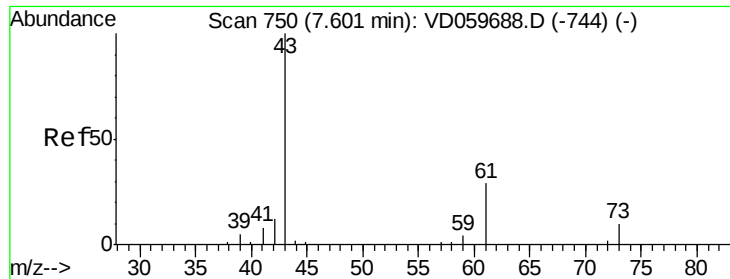
Tot Ion: 41 Resp: 12869
Ion Ratio Lower Upper
41 100
39 66.4 45.8 68.8
67 50.2 43.4 65.2
52 29.0 24.6 37.0



#42
1,2-Dichloroethane
Concen: 18.76 ug/l
RT: 6.11 min Scan# 598
Delta R.T. -0.00 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

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





#43

Isopropyl Acetate

Concen: 19.10 ug/l

RT: 7.60 min Scan# 750

Delta R.T. -0.00 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

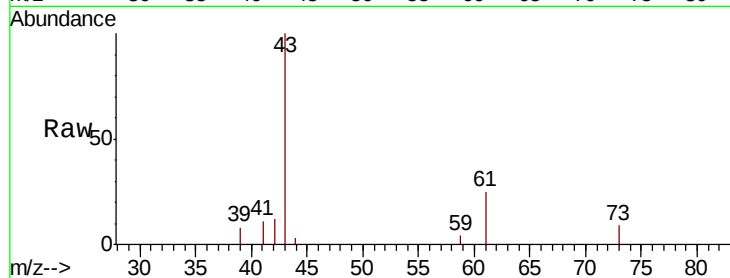
Tot Ion: 43 Resp: 35935

Ion Ratio Lower Upper

43 100

61 24.9 22.9 34.3

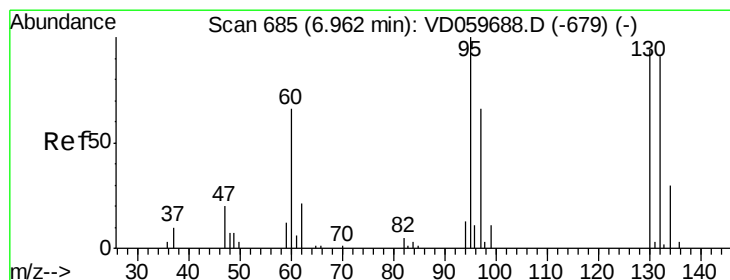
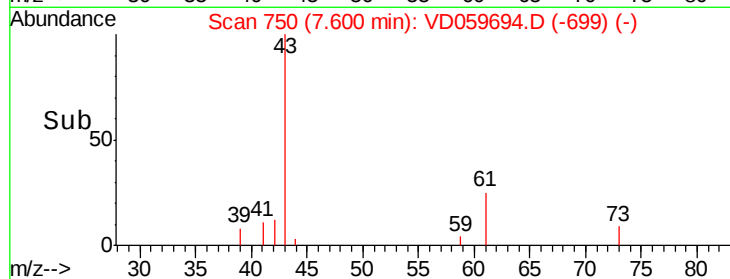
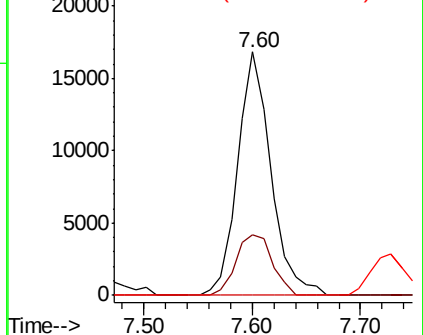
87 0.0 0.0 0.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 20.06 ug/l

RT: 6.96 min Scan# 685

Delta R.T. -0.00 min

Lab File: VD059694.D

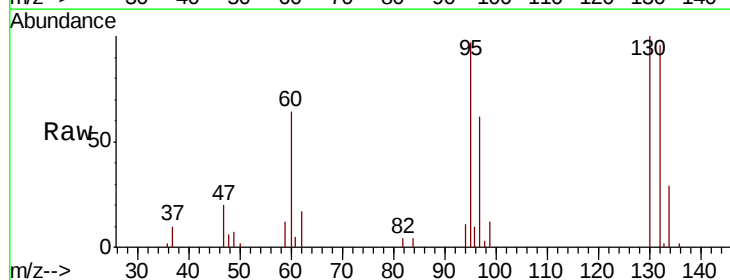
Acq: 6 Aug 2018 15:32

Tgt Ion:130 Resp: 42604

Ion Ratio Lower Upper

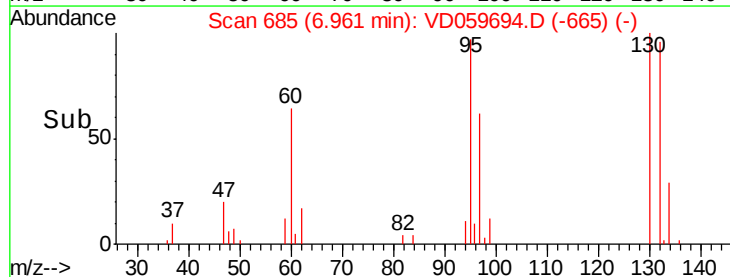
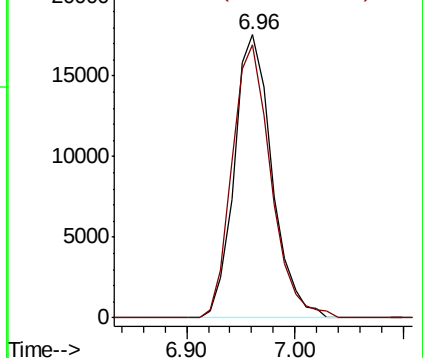
130 100

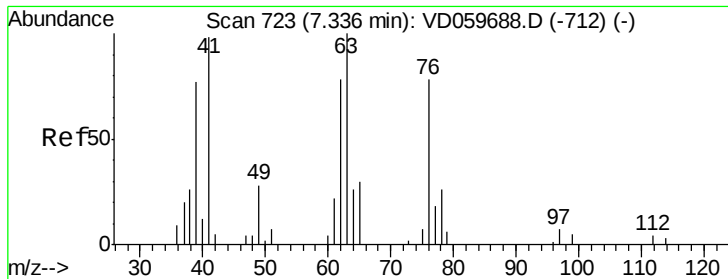
95 96.7 0.0 212.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.10 ug/l

RT: 7.33 min Scan# 722

Delta R.T. -0.01 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

Instrument :

MSVOA_D

ClientSampleId :

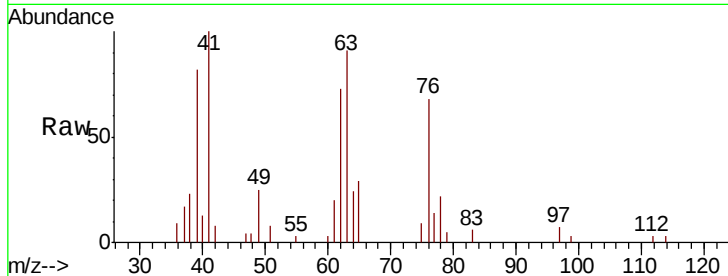
VSTDIC020

Tot Ion: 63 Resp: 28714

Ion Ratio Lower Upper

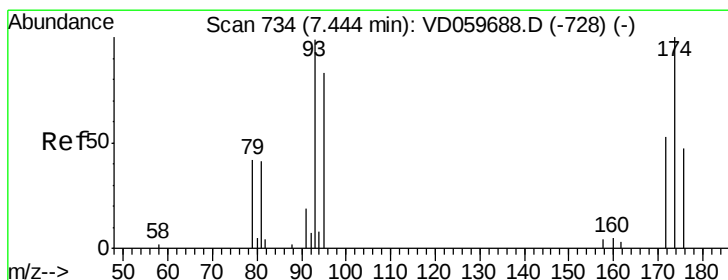
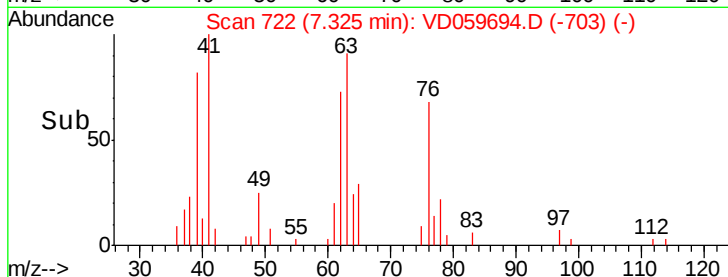
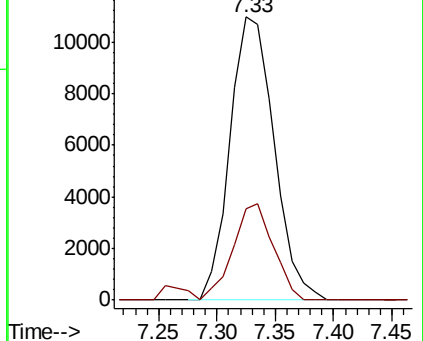
63 100

65 32.2 24.2 36.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 19.66 ug/l

RT: 7.44 min Scan# 734

Delta R.T. -0.00 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

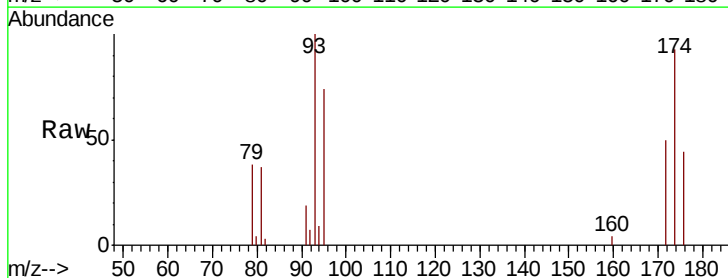
Tgt Ion: 93 Resp: 26015

Ion Ratio Lower Upper

93 100

95 73.7 66.6 100.0

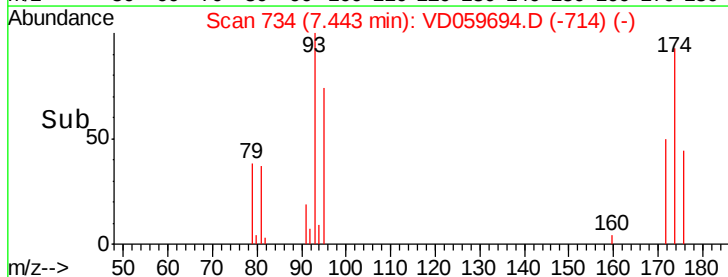
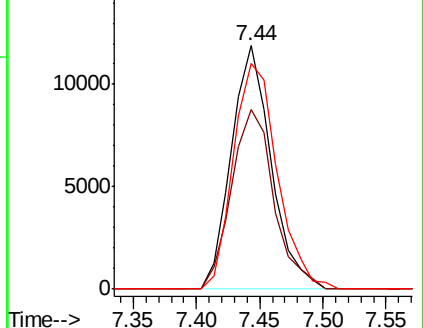
174 92.7 80.6 120.8

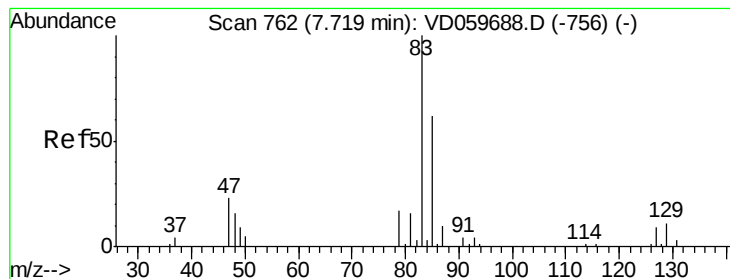


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 18.97 ug/l

RT: 7.73 min Scan# 763

Delta R.T. 0.01 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

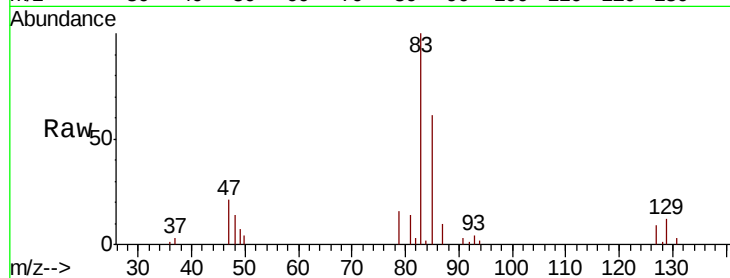
Tot Ion: 83 Resp: 64348

Ion Ratio Lower Upper

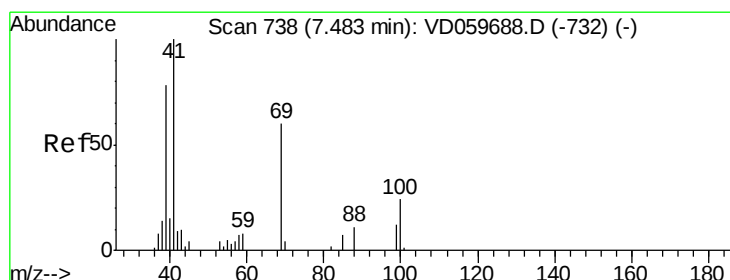
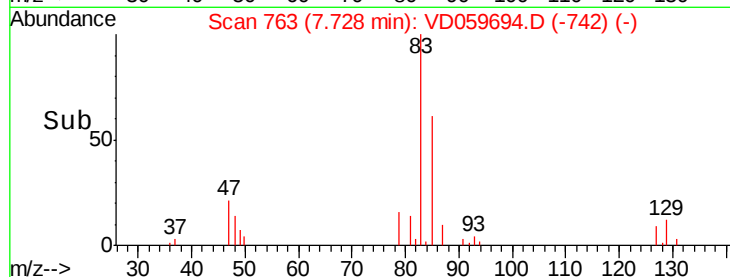
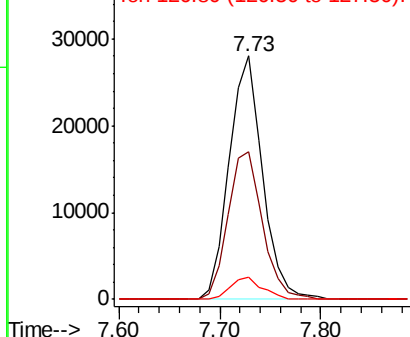
83 100

85 60.6 49.8 74.8

127 9.3 7.3 10.9



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



#48

Methyl methacrylate

Concen: 18.71 ug/l

RT: 7.49 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

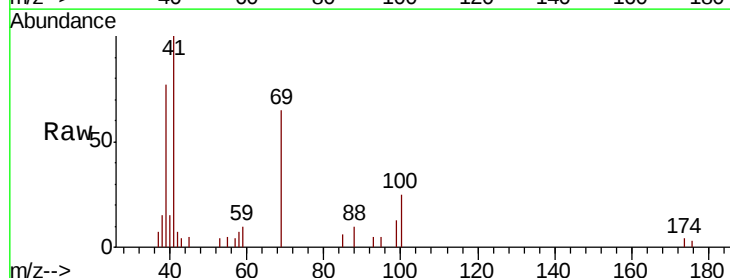
Tgt Ion: 41 Resp: 23324

Ion Ratio Lower Upper

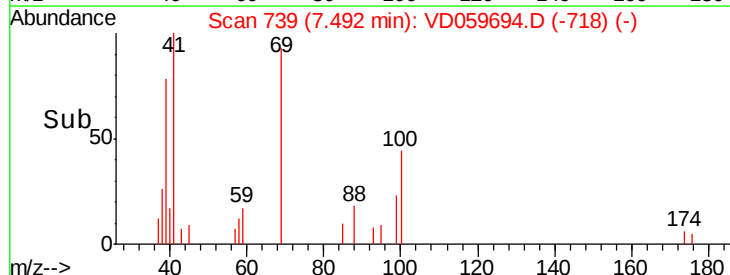
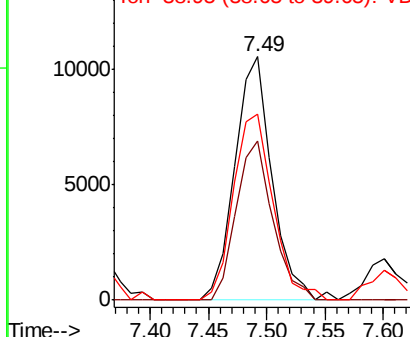
41 100

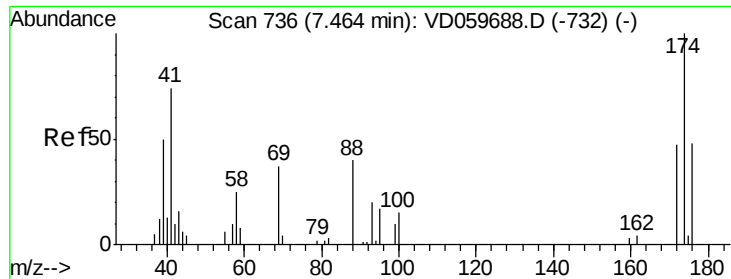
69 65.5 47.3 70.9

39 76.6 62.9 94.3



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

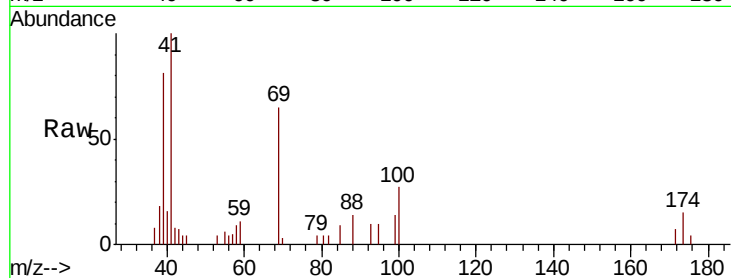




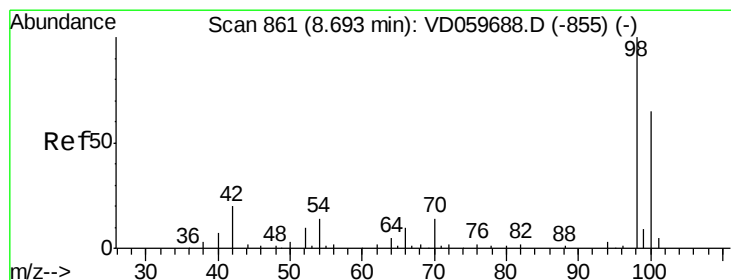
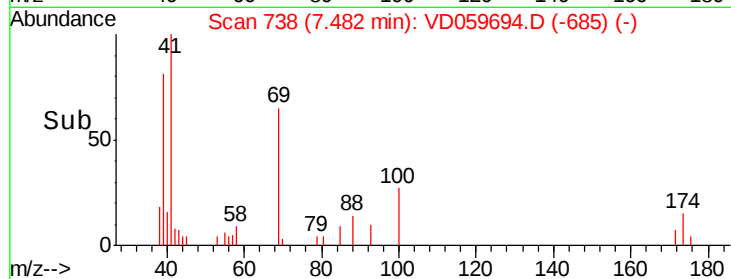
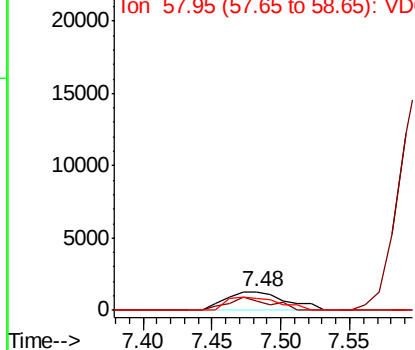
#49
 1,4-Dioxane
 Concen: 403.79 ug/l
 RT: 7.48 min Scan# 738
 Delta R.T. 0.02 min
 Lab File: VD059694.D
 Acq: 6 Aug 2018 15:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

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

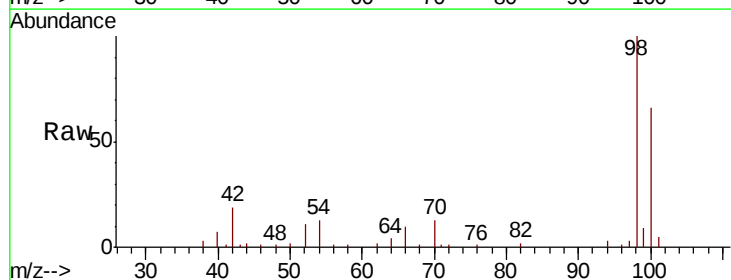


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

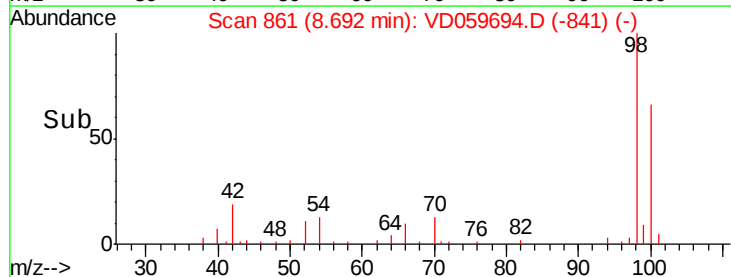
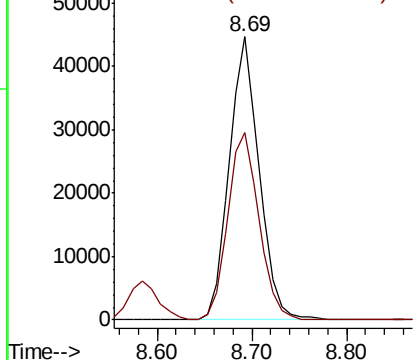


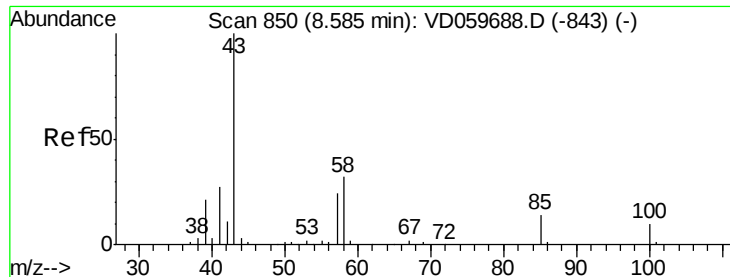
#50
 Toluene-d8
 Concen: 403.79 ug/l
 RT: 8.69 min Scan# 861
 Delta R.T. -0.00 min
 Lab File: VD059694.D
 Acq: 6 Aug 2018 15:32

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



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





#51

4-Methyl-2-Pentanone

Concen: 89.83 ug/l

RT: 8.58 min Scan# 850

Delta R.T. -0.00 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

Instrument :

MSVOA_D

ClientSampleId :

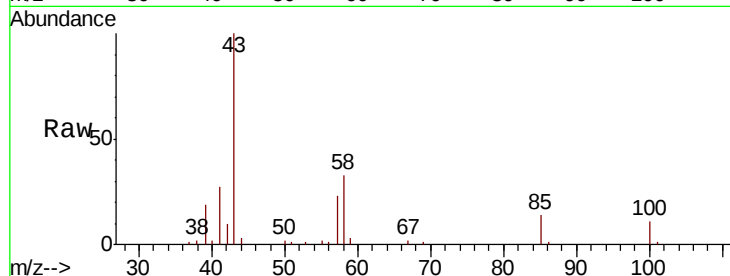
VSTDIC020

Tot Ion: 43 Resp: 123082

Ion Ratio Lower Upper

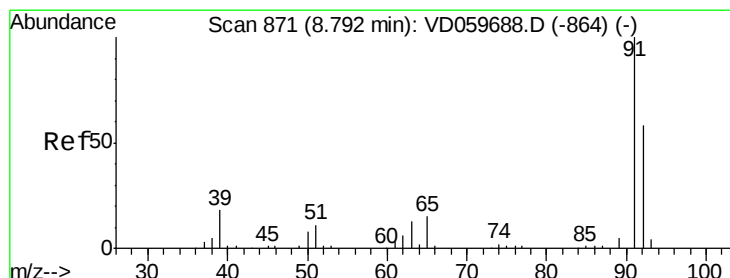
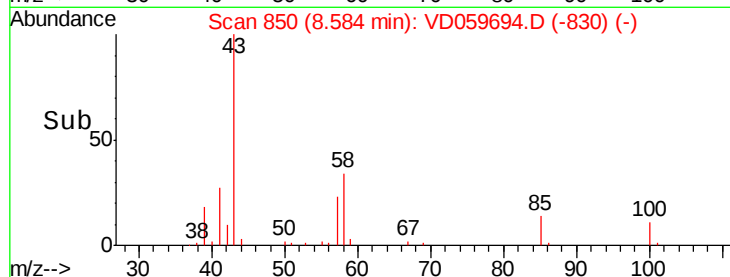
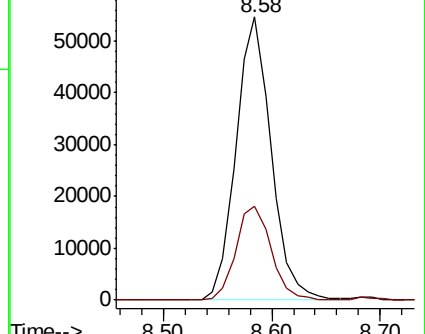
43 100

58 33.4 25.7 38.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 19.11 ug/l

RT: 8.78 min Scan# 870

Delta R.T. -0.01 min

Lab File: VD059694.D

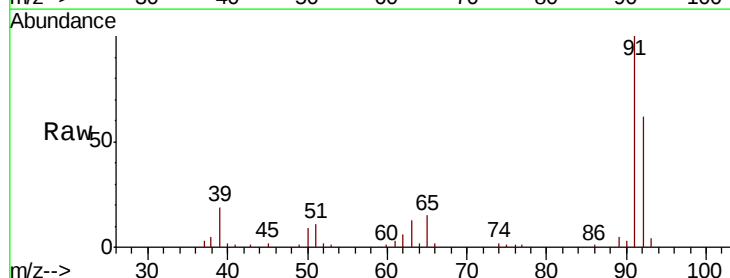
Acq: 6 Aug 2018 15:32

Tgt Ion: 92 Resp: 70048

Ion Ratio Lower Upper

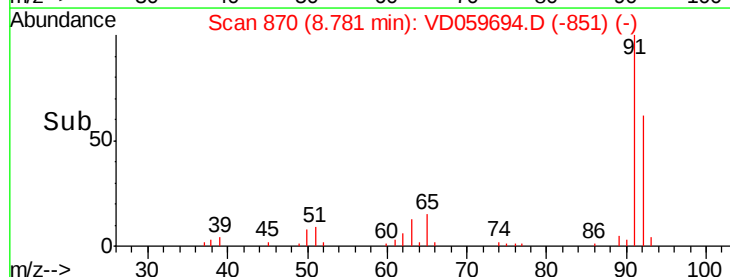
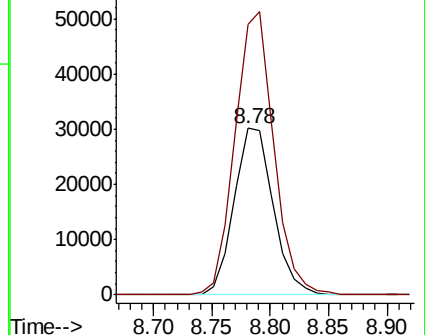
92 100

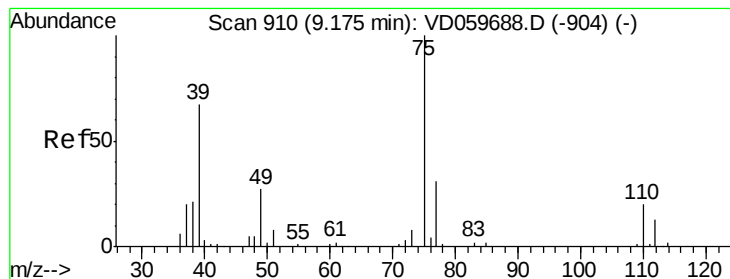
91 162.4 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 18.89 ug/l

RT: 9.17 min Scan# 910

Delta R.T. -0.00 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

Instrument :

MSVOA_D

ClientSampleId :

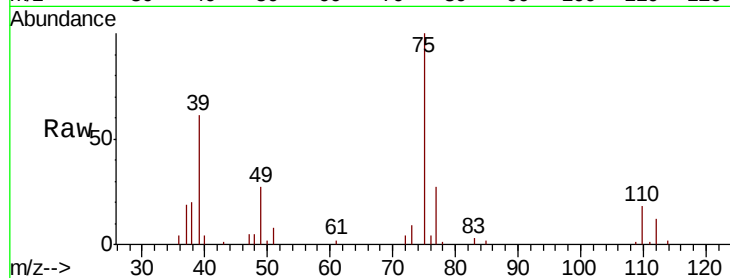
VSTDIC020

Tot Ion: 75 Resp: 54275

Ion Ratio Lower Upper

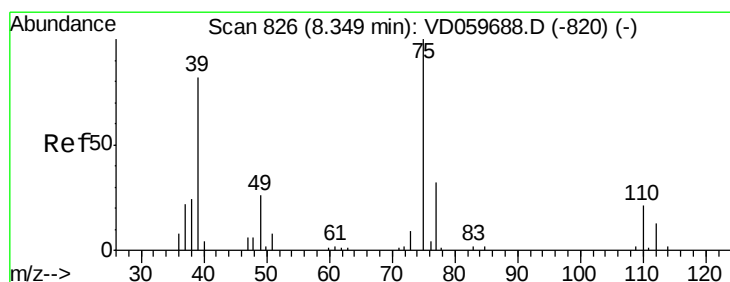
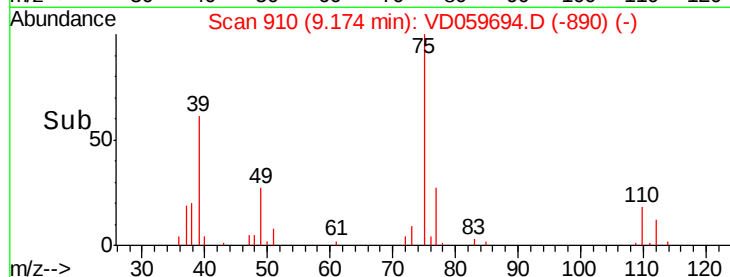
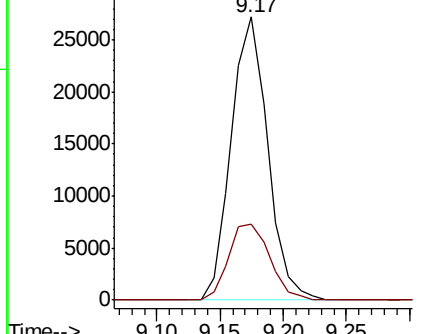
75 100

77 27.0 24.7 37.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 19.31 ug/l

RT: 8.34 min Scan# 825

Delta R.T. -0.01 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

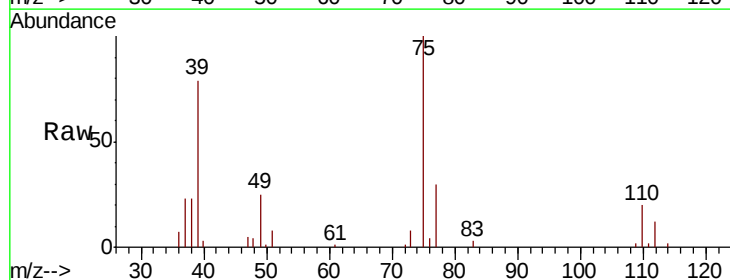
Tgt Ion: 75 Resp: 56011

Ion Ratio Lower Upper

75 100

77 30.5 25.5 38.3

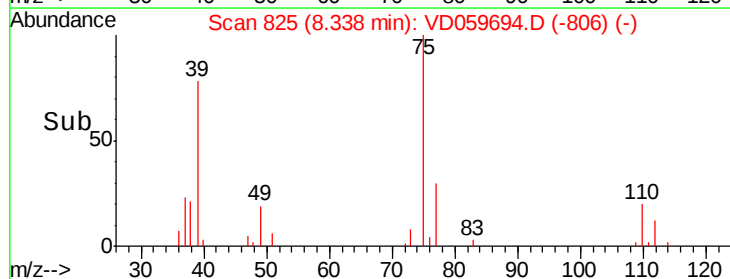
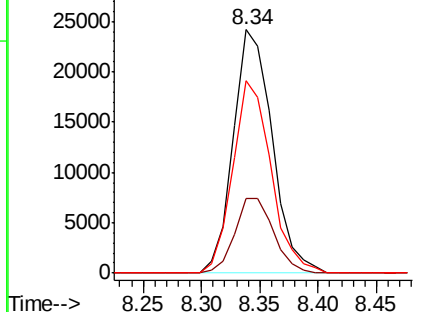
39 79.2 65.4 98.2

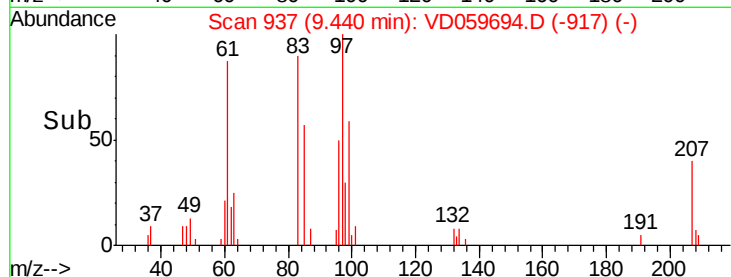
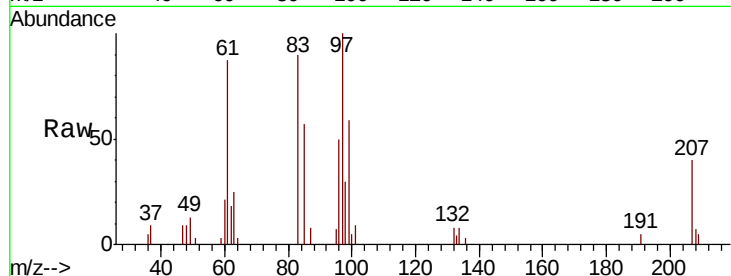
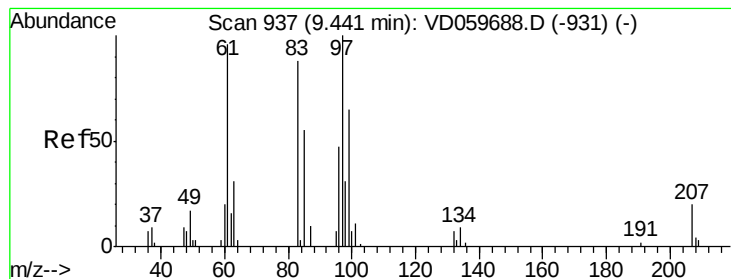


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 19.06 ug/l

RT: 9.44 min Scan# 937

Delta R.T. -0.00 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 97 Resp: 26799

Ion Ratio Lower Upper

97 100

83 90.5 70.8 106.2

85 57.2 44.1 66.1

99 59.3 52.2 78.4

Abundance

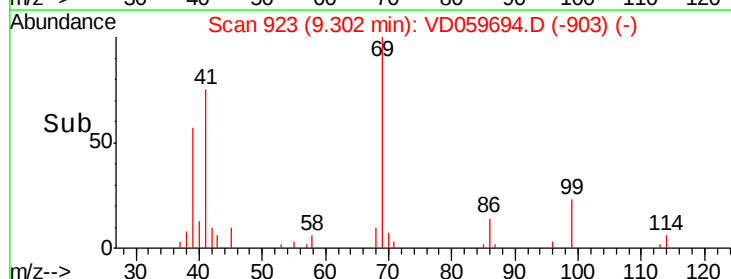
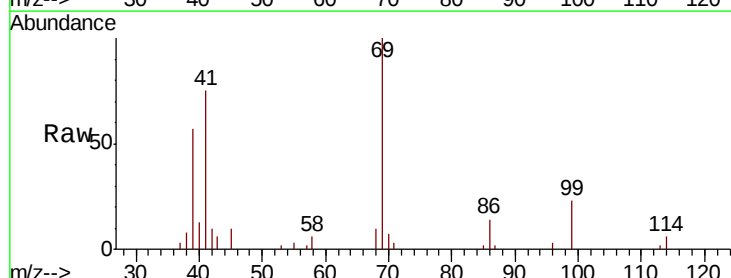
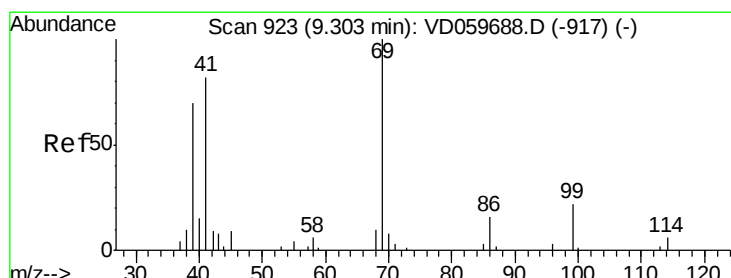
Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC

Time-->



#56

Ethyl methacrylate

Concen: 19.69 ug/l

RT: 9.30 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

Tgt Ion: 69 Resp: 31312

Ion Ratio Lower Upper

69 100

41 74.6 65.7 98.5

39 57.0 55.8 83.8

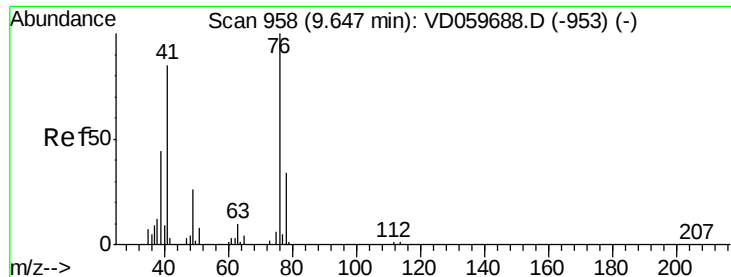
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Time-->



#57

1,3-Dichloropropane

Concen: 18.43 ug/l

RT: 9.65 min Scan# 958

Delta R.T. -0.00 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

Instrument :

MSVOA_D

ClientSampleId :

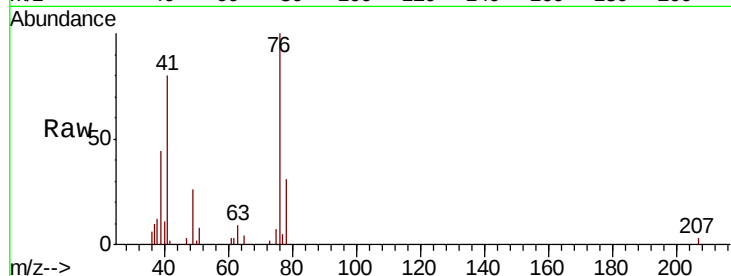
VSTDIC020

Tot Ion: 76 Resp: 41669

Ion Ratio Lower Upper

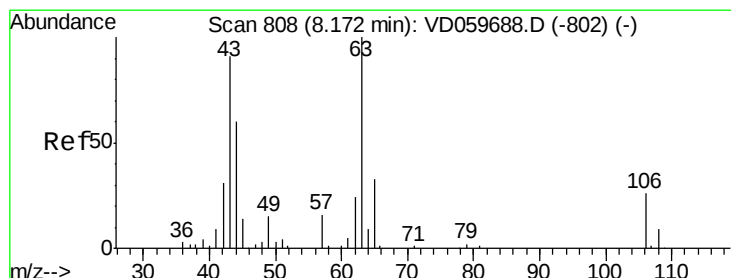
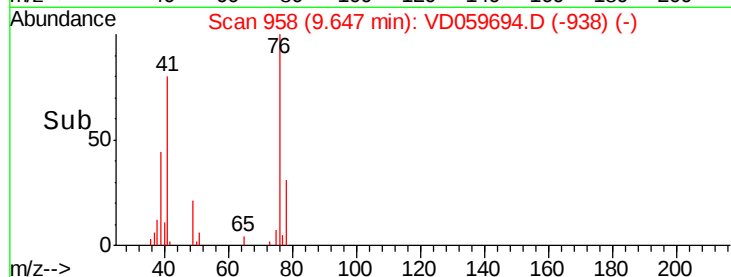
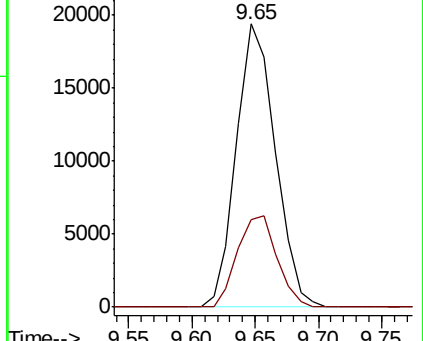
76 100

78 30.7 27.5 41.3



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 105.56 ug/l

RT: 8.17 min Scan# 808

Delta R.T. -0.00 min

Lab File: VD059694.D

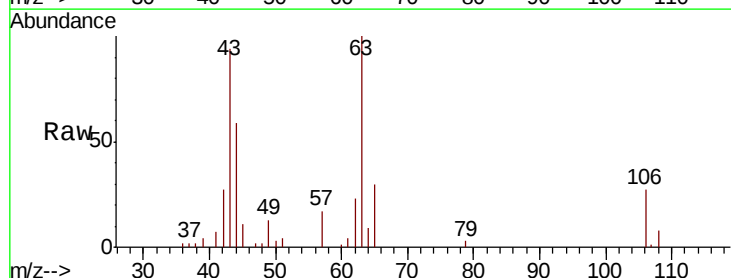
Acq: 6 Aug 2018 15:32

Tgt Ion: 63 Resp: 79216

Ion Ratio Lower Upper

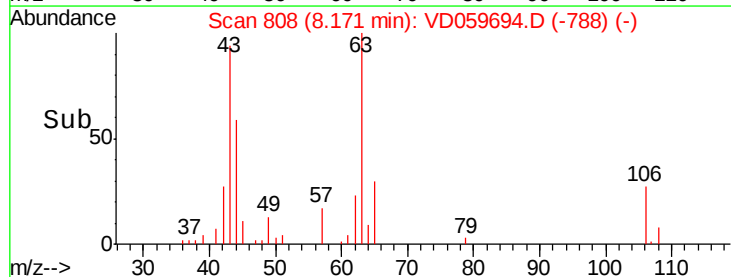
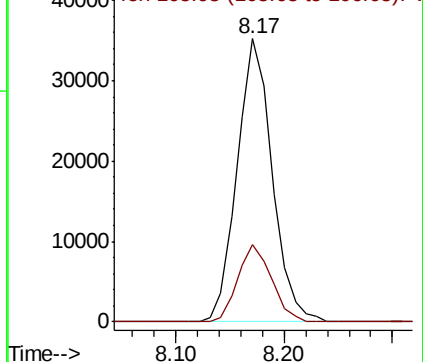
63 100

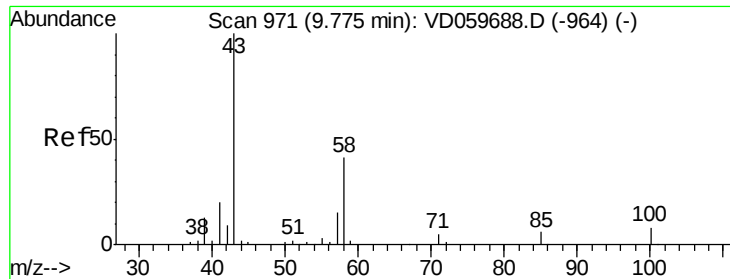
106 27.2 20.7 31.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

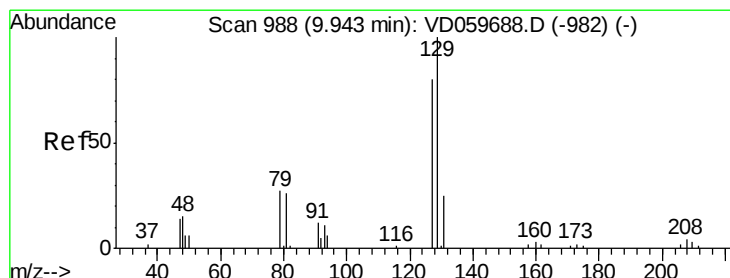
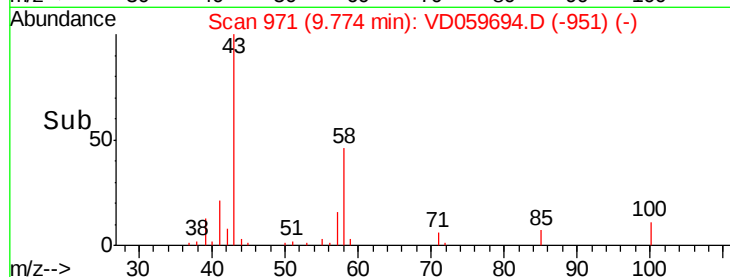
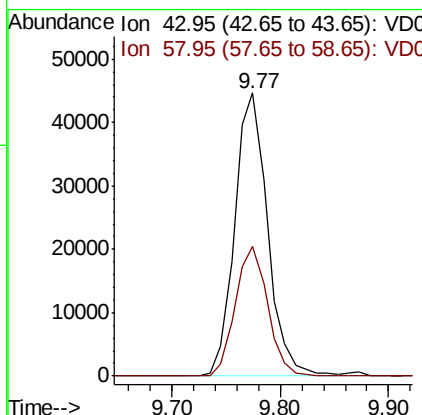
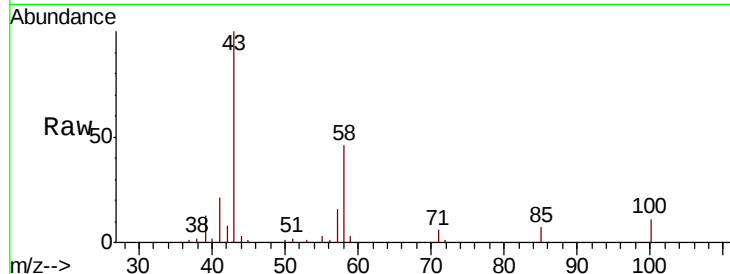




#59
2-Hexanone
Concen: 90.48 ug/l
RT: 9.77 min Scan# 971
Delta R.T. -0.00 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

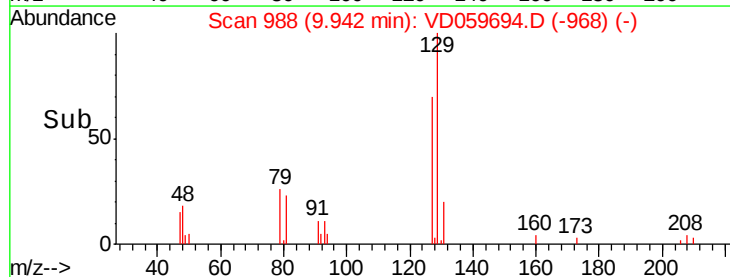
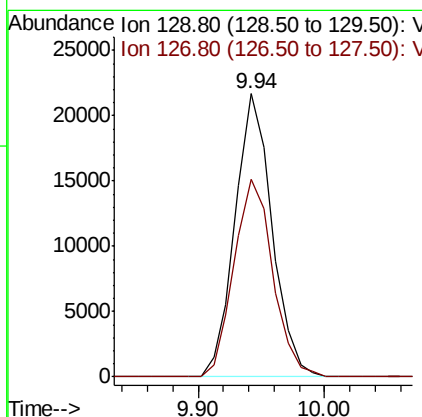
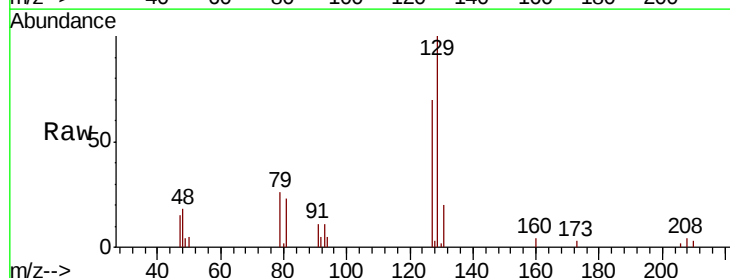
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

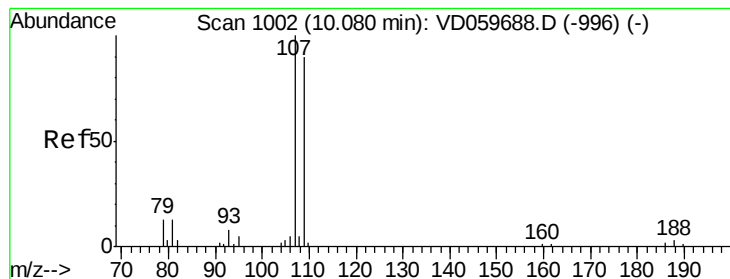
Tot Ion: 43 Resp: 93828
Ion Ratio Lower Upper
43 100
58 45.8 20.4 61.3



#60
Dibromochloromethane
Concen: 19.23 ug/l
RT: 9.94 min Scan# 988
Delta R.T. -0.00 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

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





#61

1,2-Dibromoethane

Concen: 18.61 ug/l

RT: 10.08 min Scan# 1002

Delta R.T. -0.00 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

Instrument :

MSVOA_D

ClientSampleId :

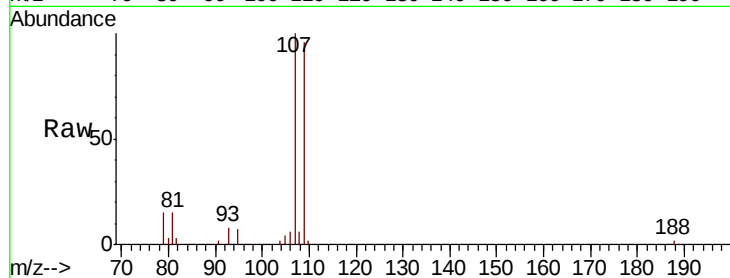
VSTDIC020

Tot Ion:107 Resp: 30821

Ion Ratio Lower Upper

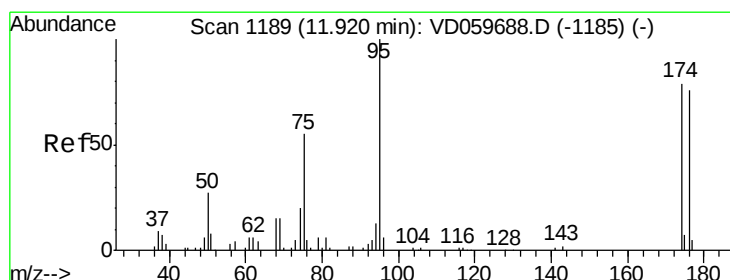
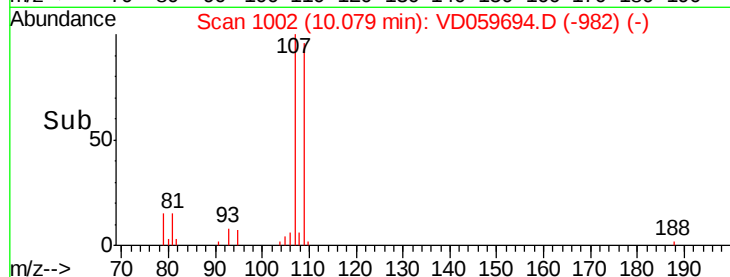
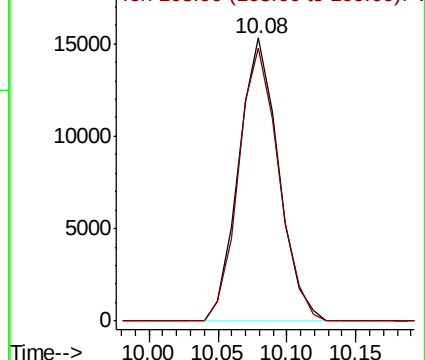
107 100

109 96.4 72.0 108.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 18.61 ug/l

RT: 11.92 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

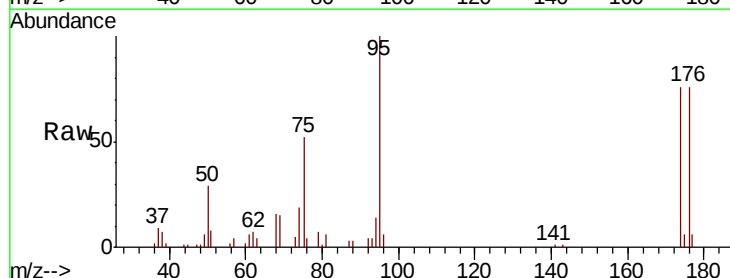
Tgt Ion: 95 Resp: 44957

Ion Ratio Lower Upper

95 100

174 75.6 0.0 158.4

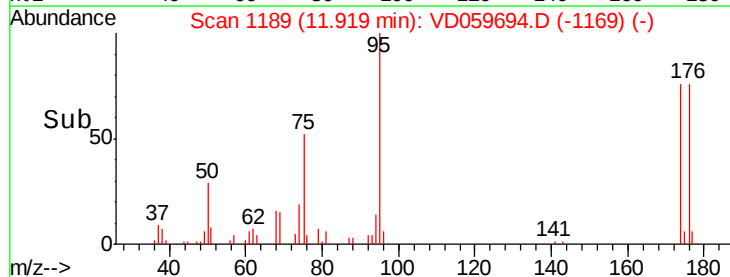
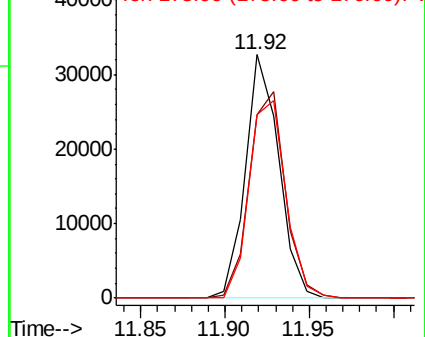
176 75.6 0.0 153.0

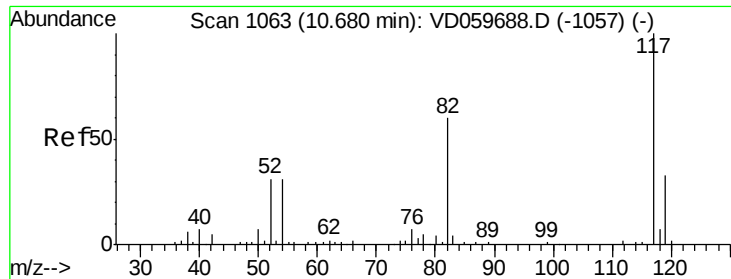


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

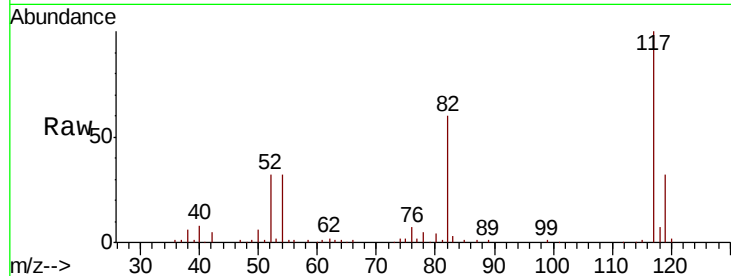




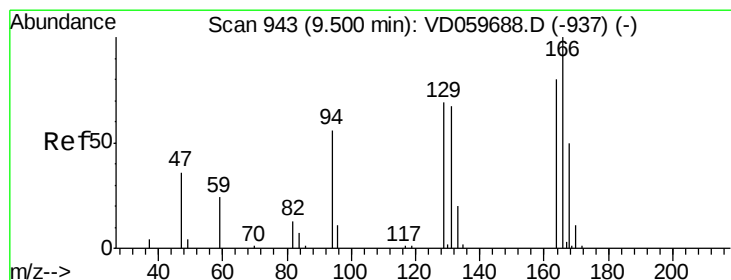
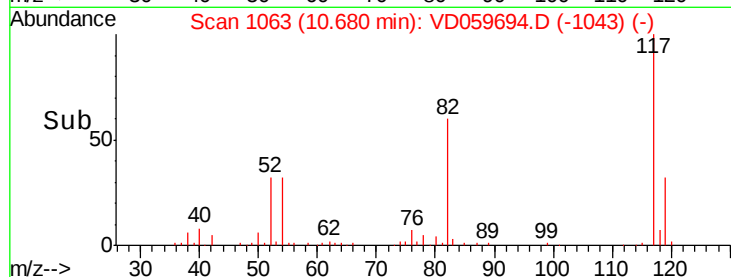
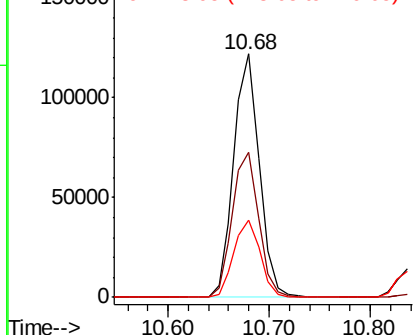
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.68 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:117 Resp: 215260
Ion Ratio Lower Upper
117 100
82 59.7 47.7 71.5
119 31.9 26.6 40.0

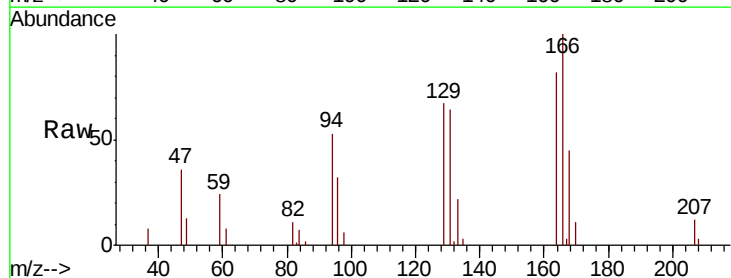


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

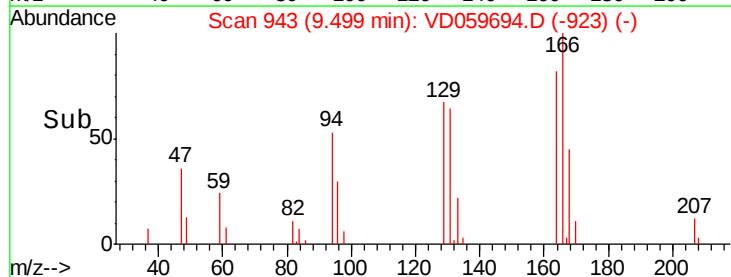
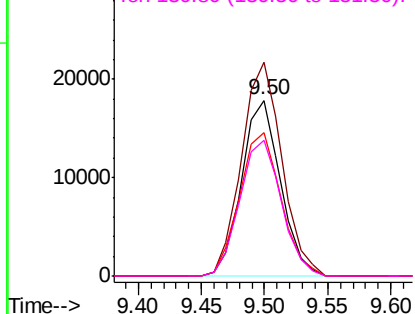


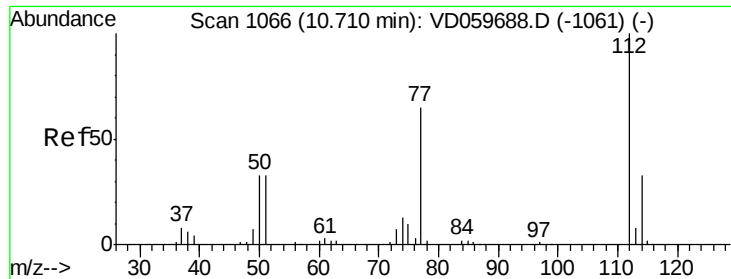
#64
Tetrachloroethene
Concen: 18.96 ug/l
RT: 9.50 min Scan# 943
Delta R.T. -0.00 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

Tgt Ion:164 Resp: 37995
Ion Ratio Lower Upper
164 100
166 121.6 100.5 150.7
129 81.7 69.3 103.9
131 77.6 67.3 100.9



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

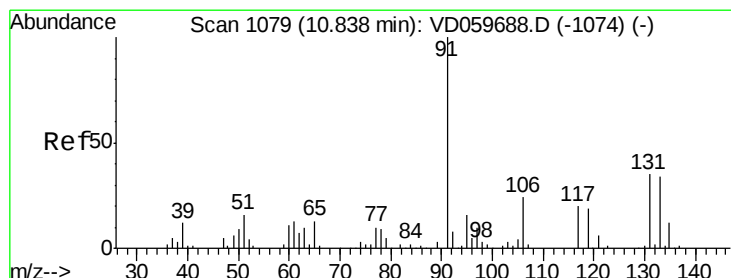
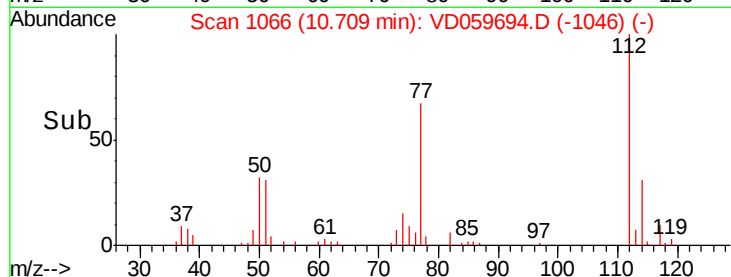
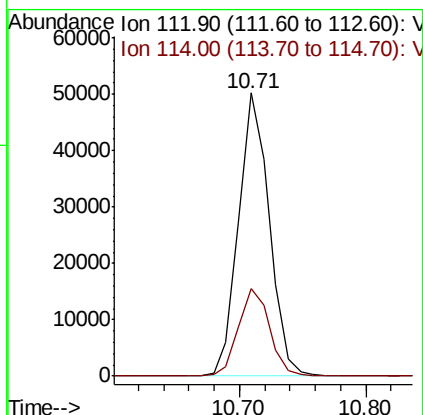
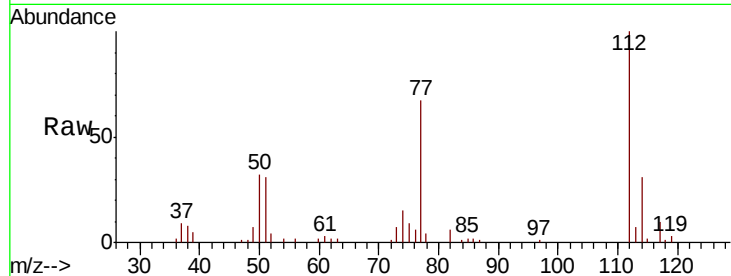




#65
Chlorobenzene
Concen: 19.34 ug/l
RT: 10.71 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

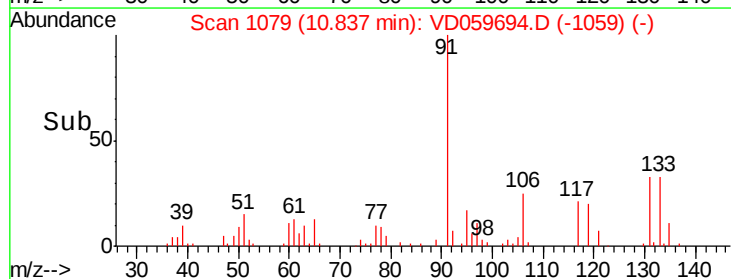
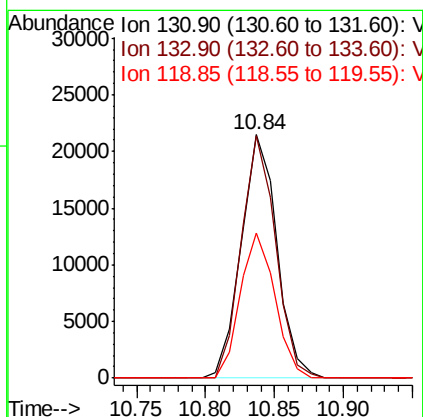
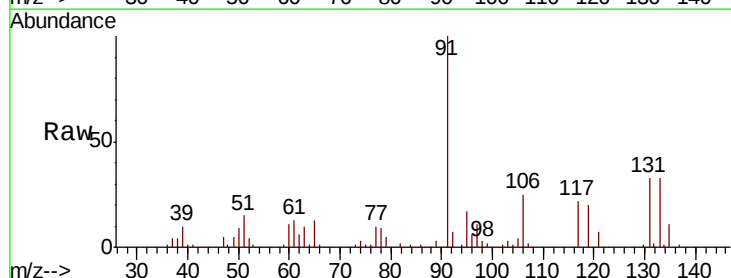
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

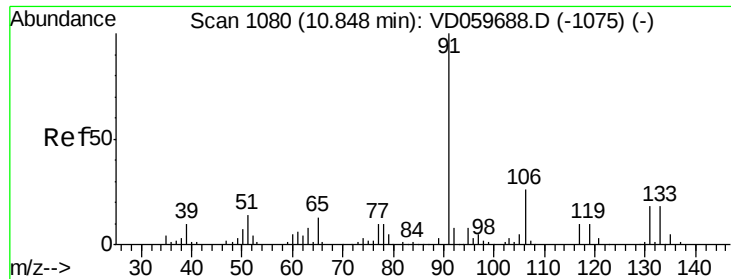
Tot Ion:112 Resp: 84514
Ion Ratio Lower Upper
112 100
114 31.0 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 19.79 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. -0.00 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

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

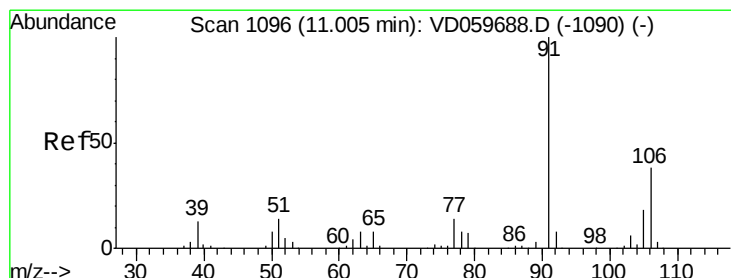
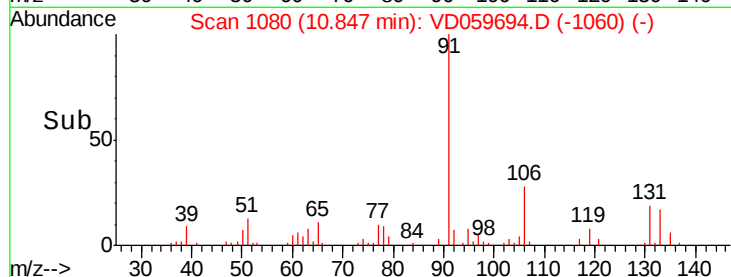
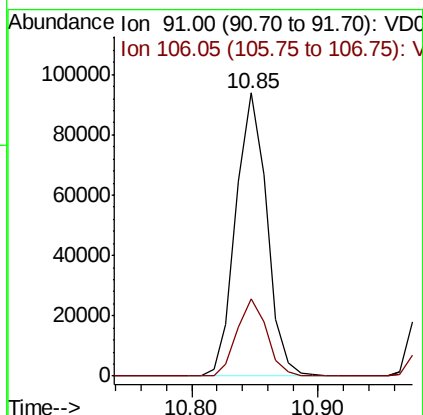
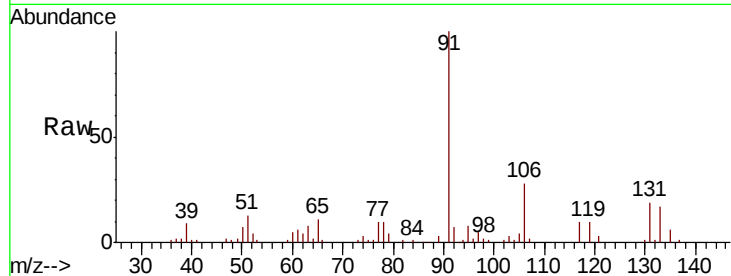




#67
Ethyl Benzene
Concen: 19.69 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

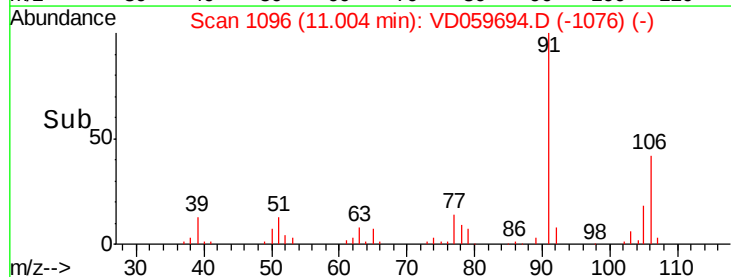
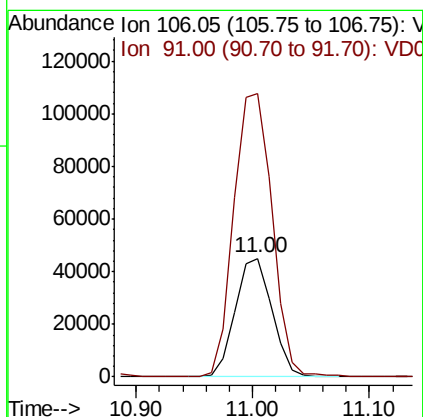
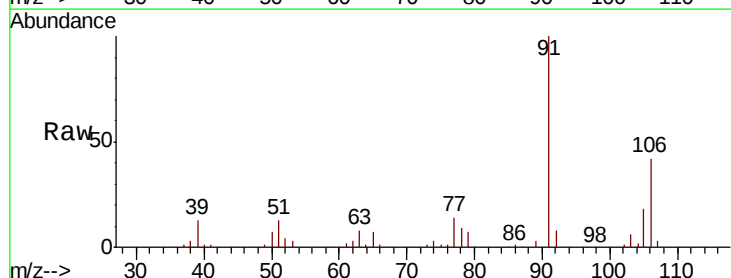
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

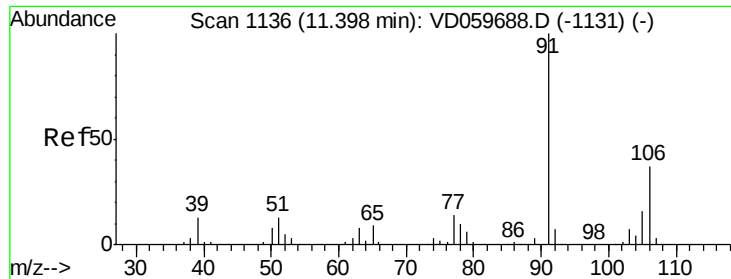
Tot Ion: 91 Resp: 159058
Ion Ratio Lower Upper
91 100
106 27.5 20.9 31.3



#68
m/p-Xylenes
Concen: 38.54 ug/l
RT: 11.00 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

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

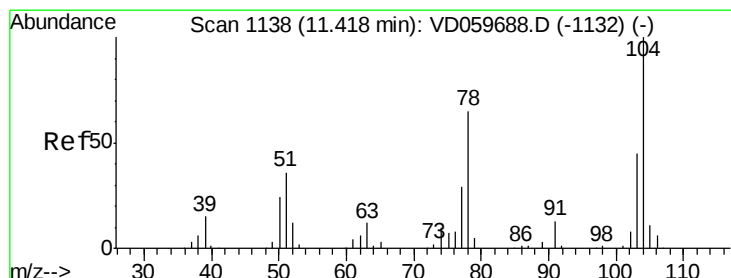
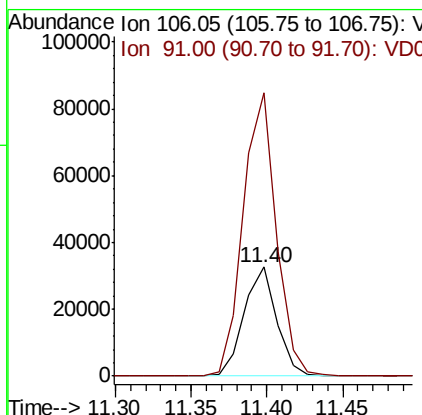
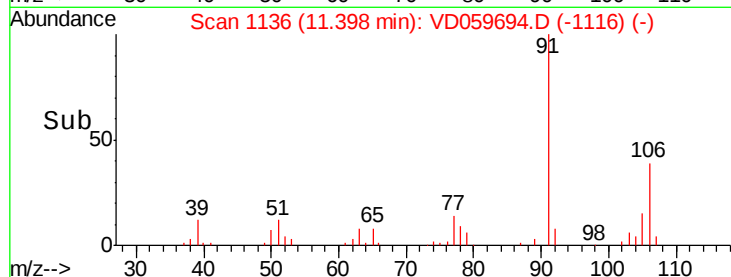
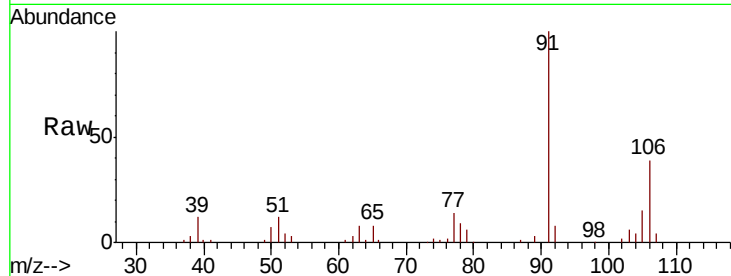




#69
o-Xylene
Concen: 19.52 ug/l
RT: 11.40 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

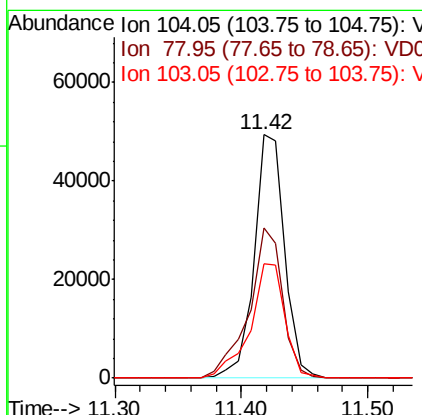
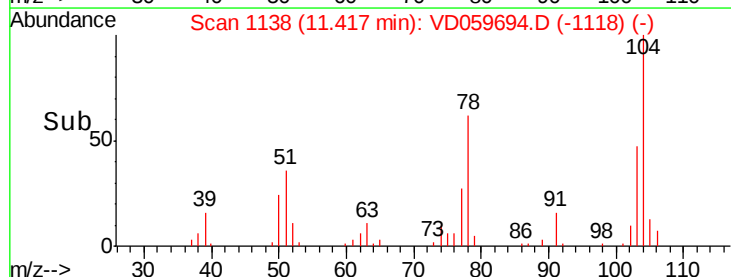
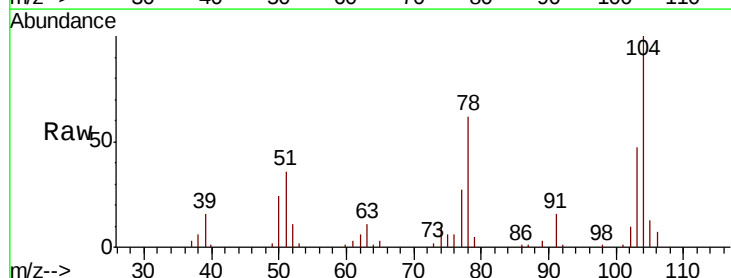
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

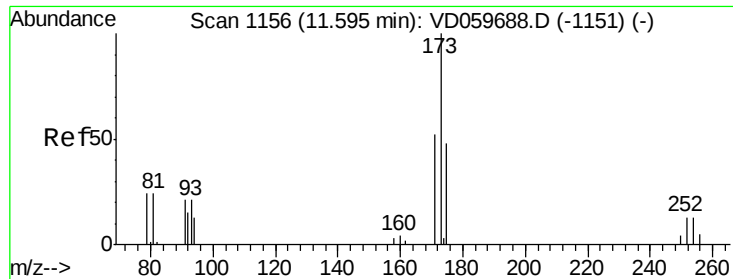
Tot Ion:106 Resp: 49049
Ion Ratio Lower Upper
106 100
91 259.7 135.2 405.6



#70
Styrene
Concen: 19.92 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

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





#71

Bromoform

Concen: 19.28 ug/l

RT: 11.59 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

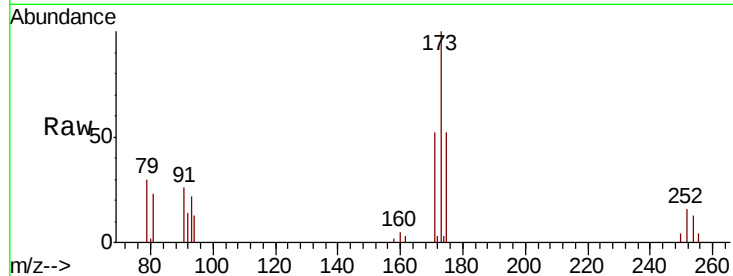
Tot Ion:173 Resp: 28636

Ion Ratio Lower Upper

173 100

175 52.2 24.1 72.4

254 13.3 10.6 16.0

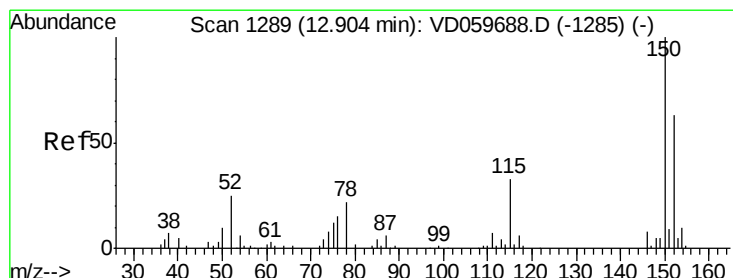
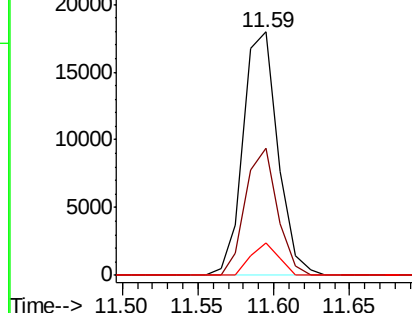
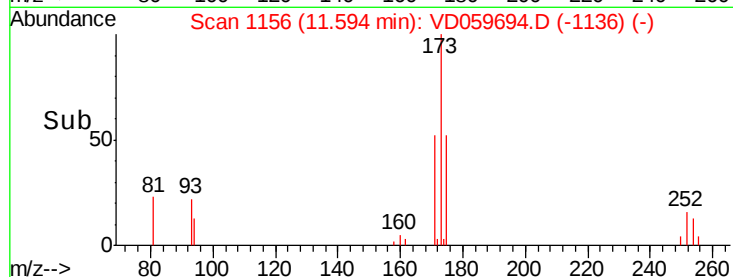


Abundance

Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.90 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

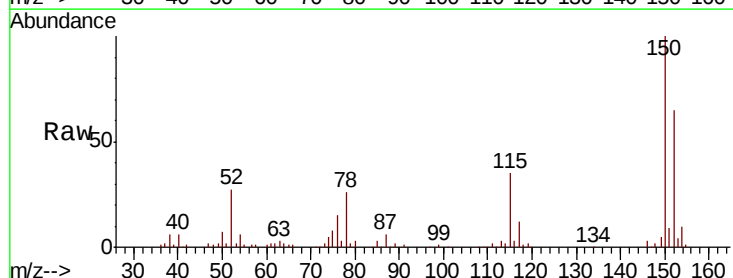
Tgt Ion:152 Resp: 116688

Ion Ratio Lower Upper

152 100

115 53.7 28.8 86.4

150 153.1 0.0 318.0

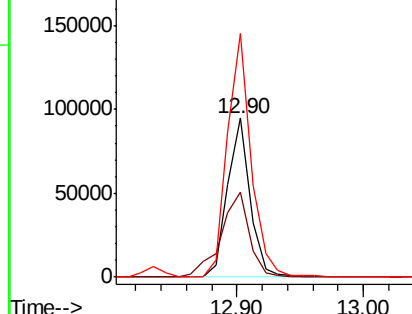
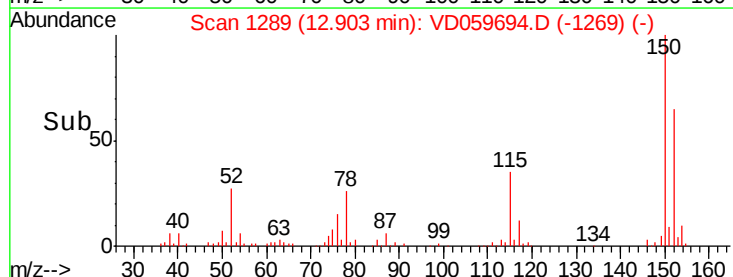


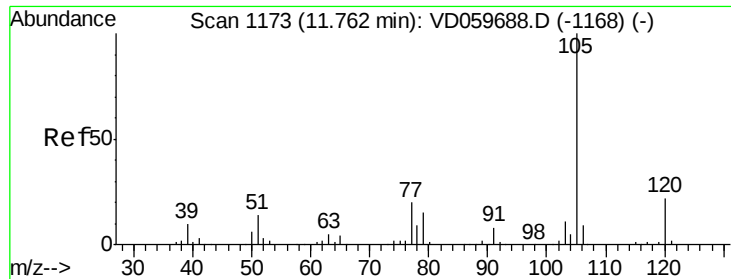
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.51 ug/l

RT: 11.76 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

Instrument :

MSVOA_D

ClientSampleId :

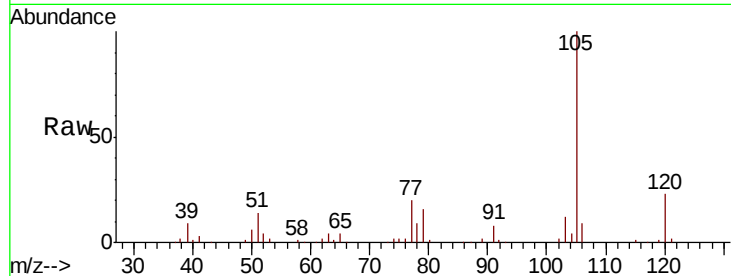
VSTDIC020

Tot Ion:105 Resp: 154256

Ion Ratio Lower Upper

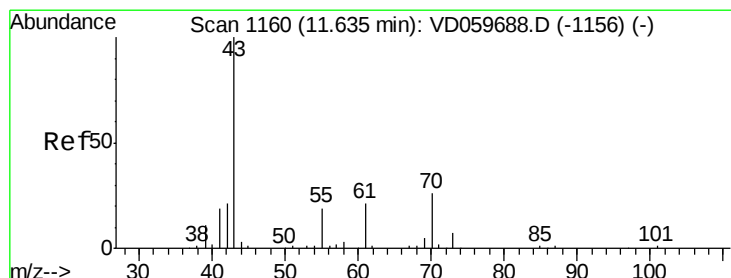
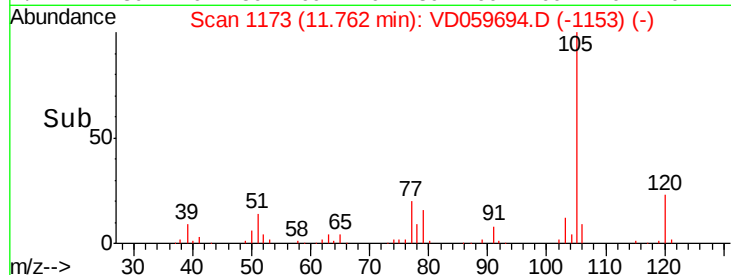
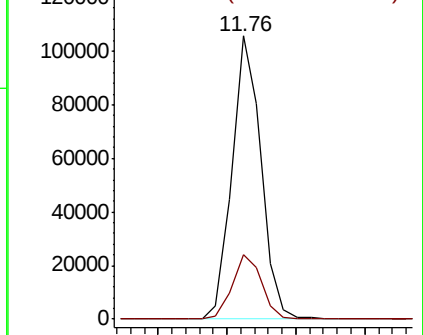
105 100

120 22.6 10.8 32.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 19.16 ug/l

RT: 11.63 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

Tgt Ion: 43 Resp: 47370

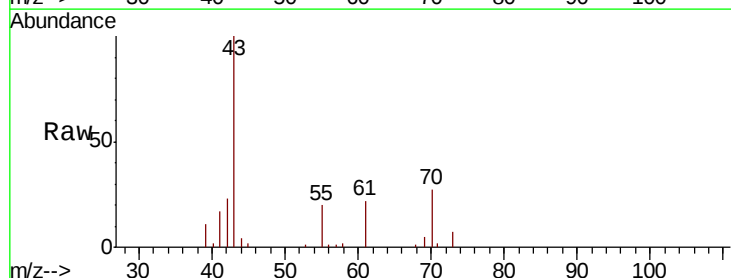
Ion Ratio Lower Upper

43 100

70 26.7 21.0 31.6

55 20.0 15.4 23.2

61 22.3 16.8 25.2

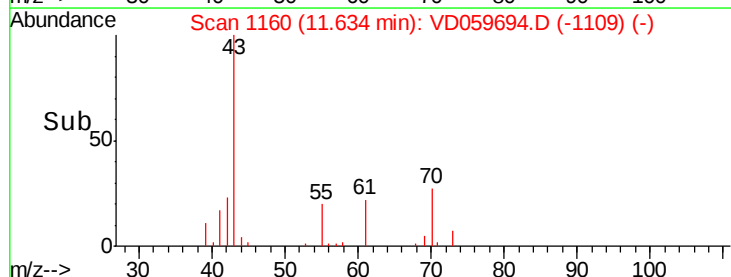
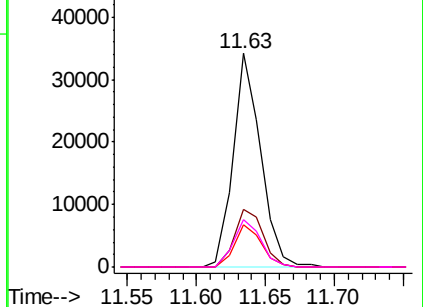


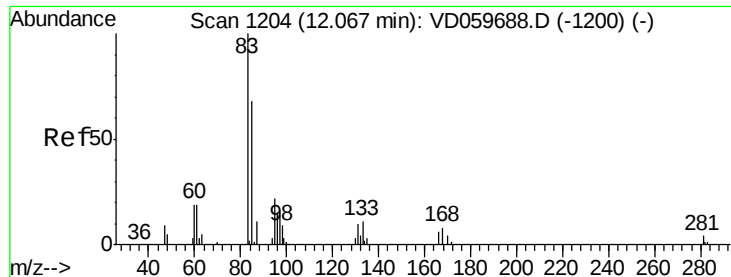
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 20.24 ug/l

RT: 12.07 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

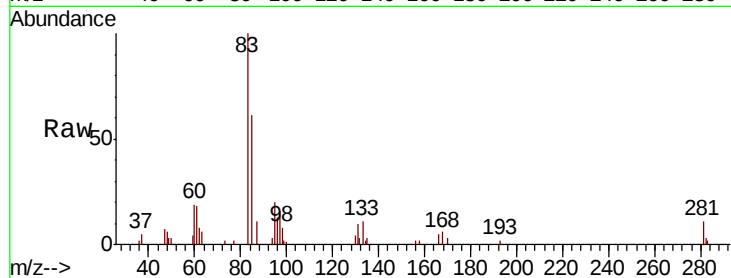
Tot Ion: 83 Resp: 31124

Ion Ratio Lower Upper

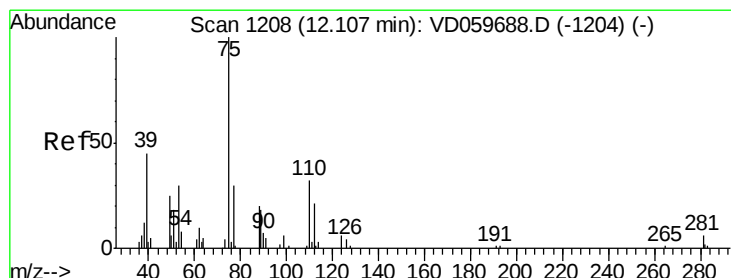
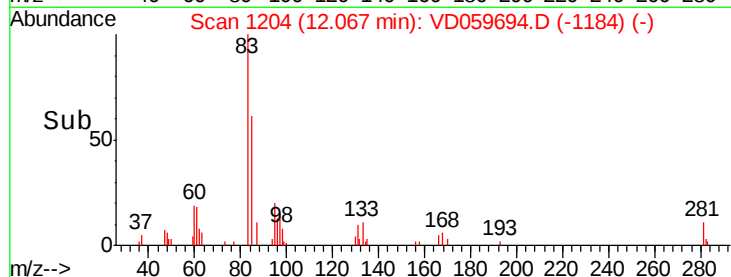
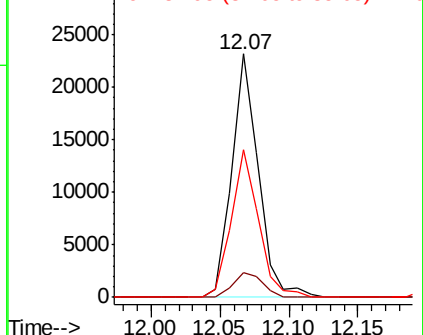
83 100

131 9.9 5.3 15.9

85 60.6 34.1 102.2



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 18.33 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VD059694.D

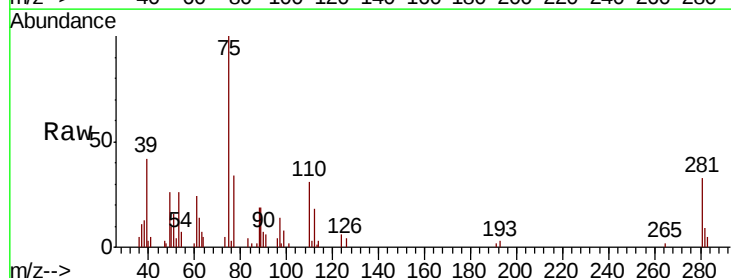
Acq: 6 Aug 2018 15:32

Tgt Ion: 75 Resp: 33211

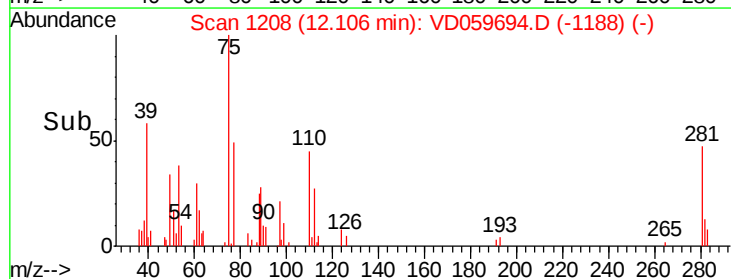
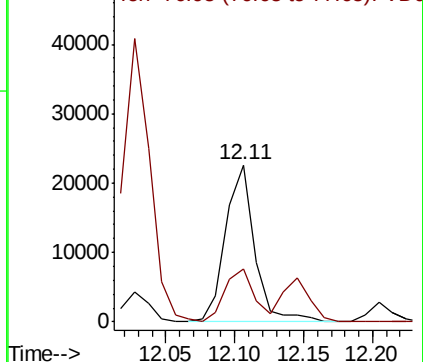
Ion Ratio Lower Upper

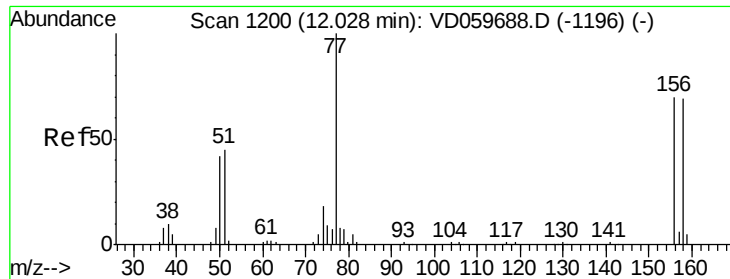
75 100

77 33.7 15.5 46.5



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC

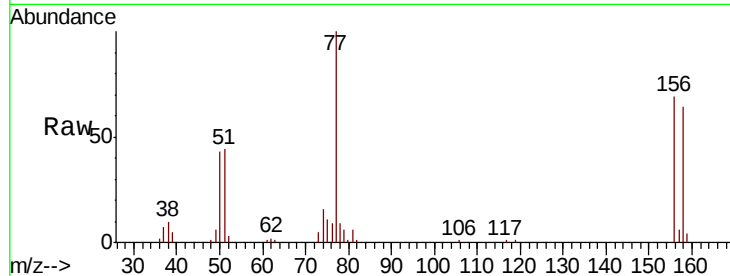




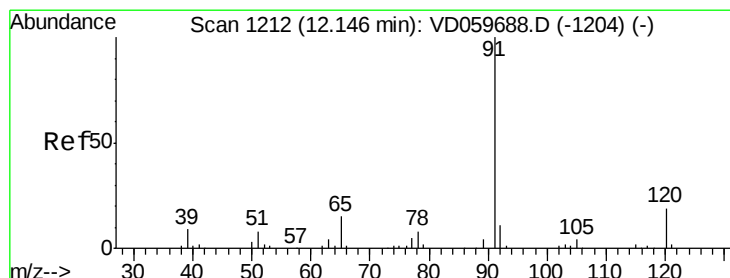
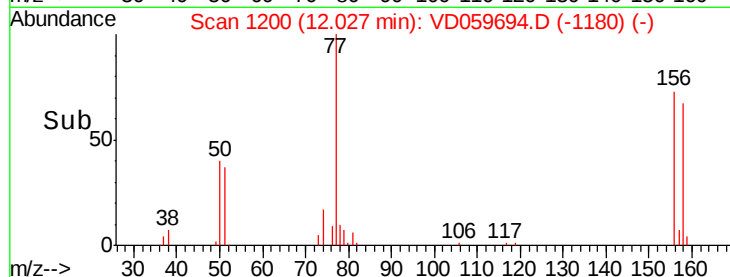
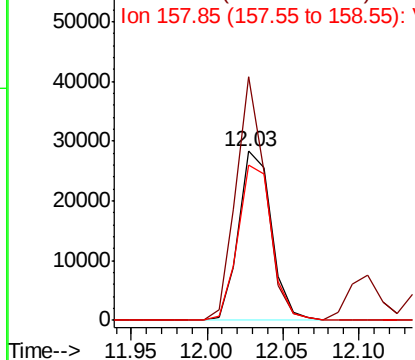
#77
Bromobenzene
Concen: 18.82 ug/l
RT: 12.03 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

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

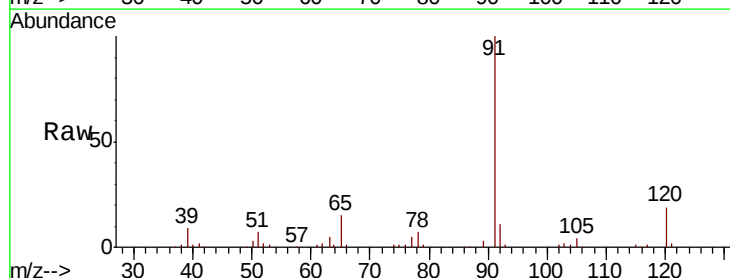


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V

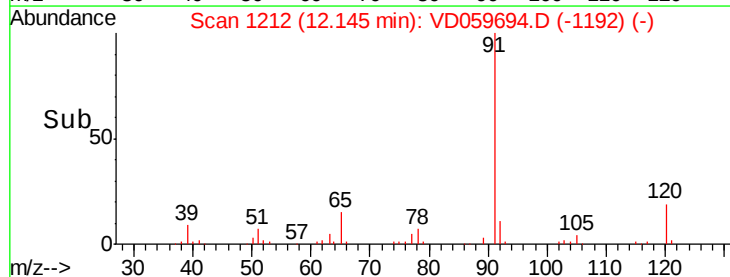
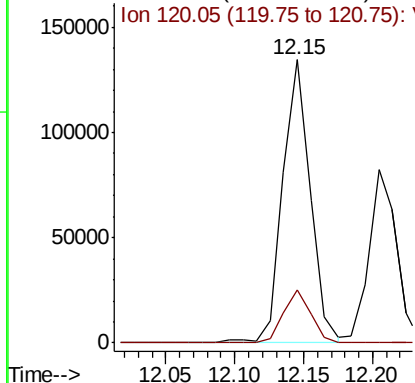


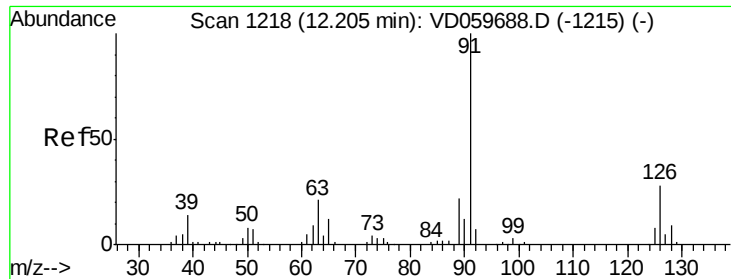
#78
n-propylbenzene
Concen: 18.87 ug/l
RT: 12.15 min Scan# 1212
Delta R.T. -0.00 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

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



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

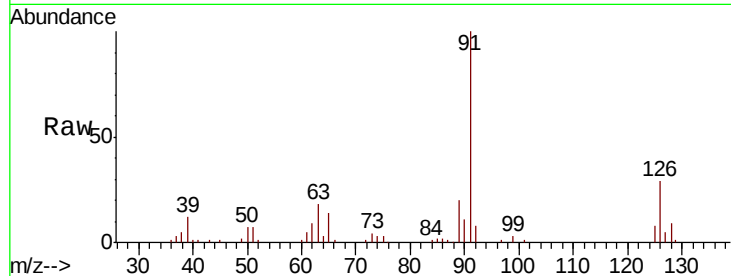




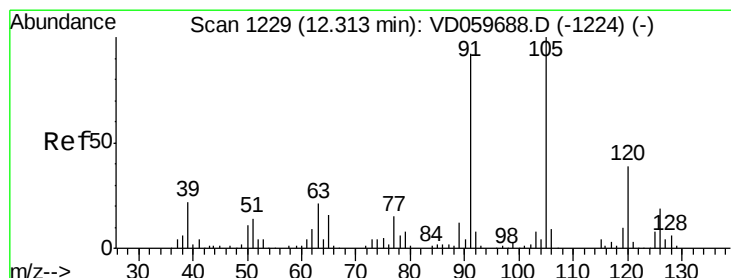
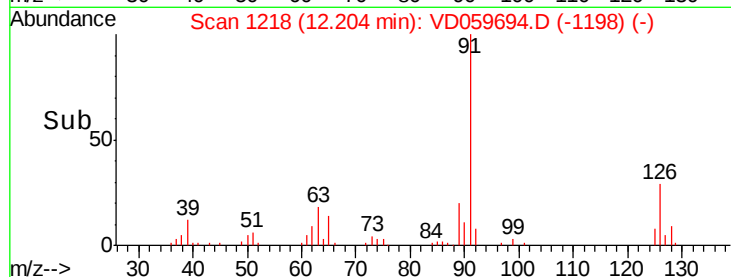
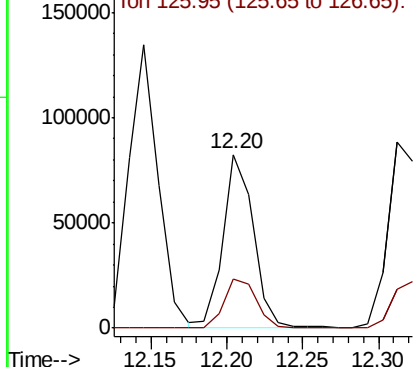
#79
 2-Chlorotoluene
 Concen: 19.43 ug/l
 RT: 12.20 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VD059694.D
 Acq: 6 Aug 2018 15:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

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

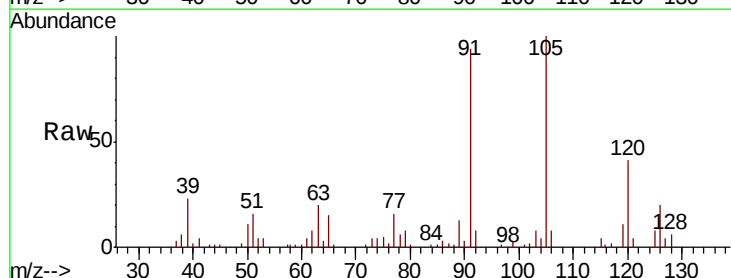


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

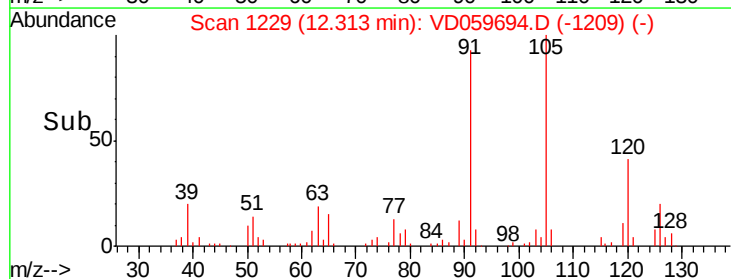
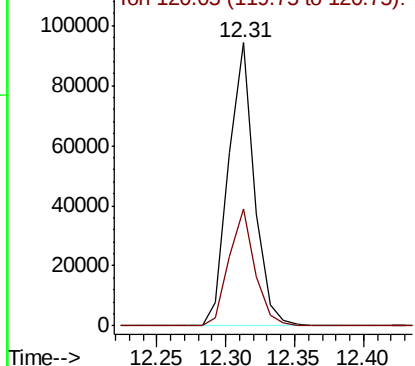


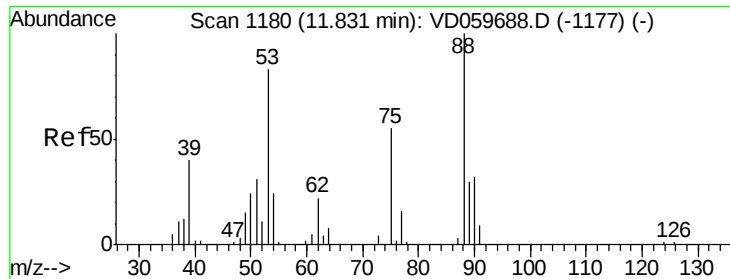
#80
 1,3,5-Trimethylbenzene
 Concen: 18.80 ug/l
 RT: 12.31 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VD059694.D
 Acq: 6 Aug 2018 15:32

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



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

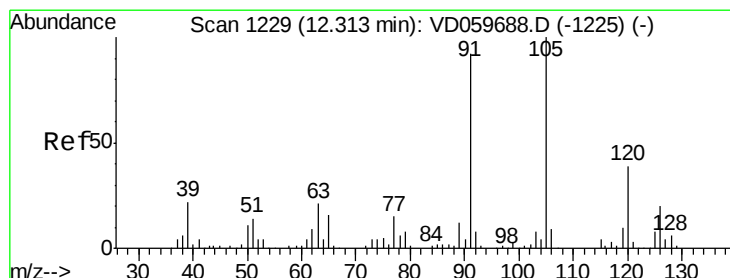
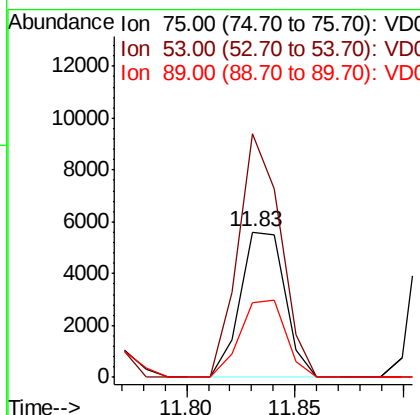
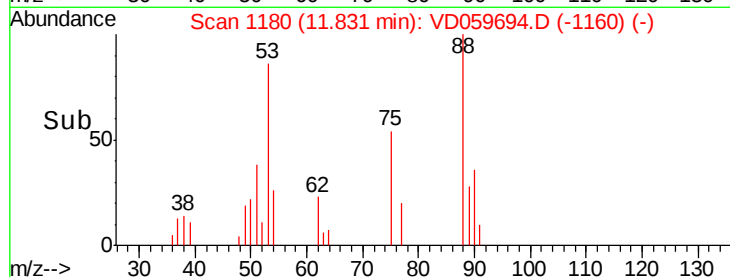
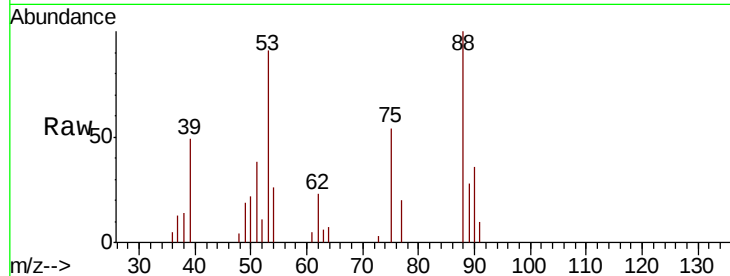




#81
trans-1,4-Dichloro-2-butene
Concen: 17.79 ug/l
RT: 11.83 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

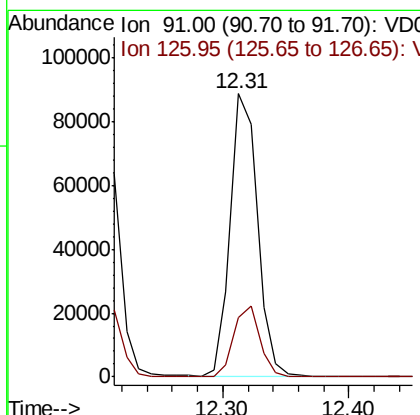
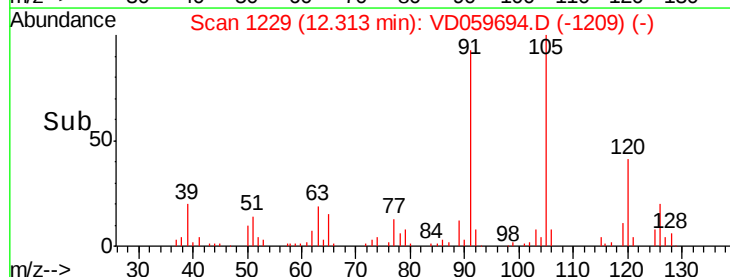
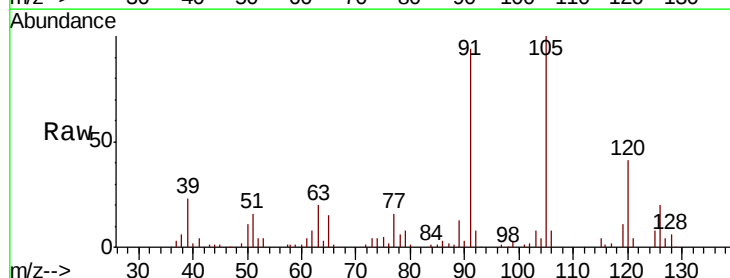
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

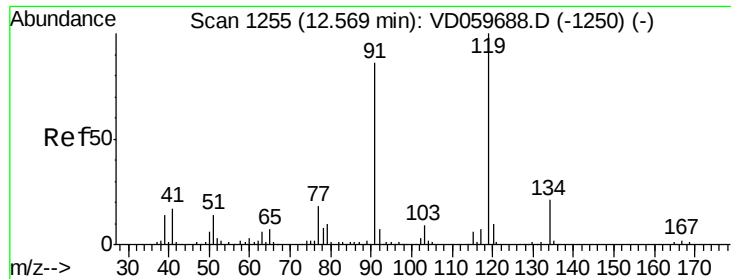
Tot Ion: 75 Resp: 8042
Ion Ratio Lower Upper
75 100
53 167.5 120.5 180.7
89 51.3 44.4 66.6



#82
4-Chlorotoluene
Concen: 19.31 ug/l
RT: 12.31 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

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

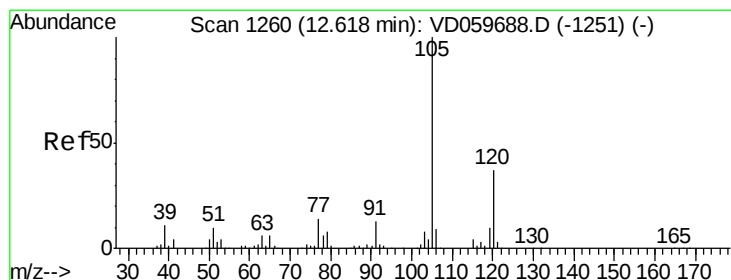
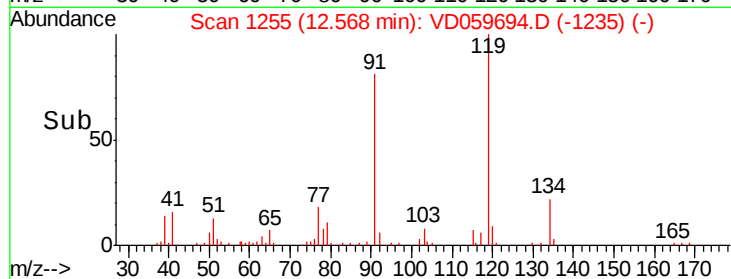
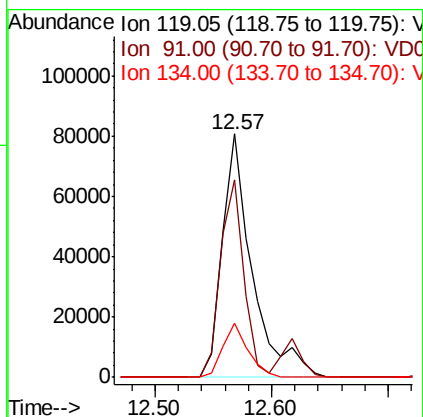
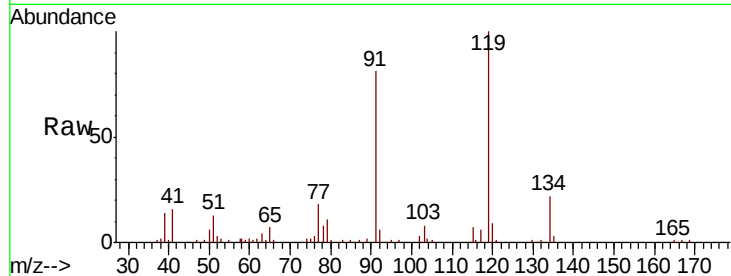




#83
 tert-Butylbenzene
 Concen: 19.49 ug/l
 RT: 12.57 min Scan# 1255
 Delta R.T. -0.00 min
 Lab File: VD059694.D
 Acq: 6 Aug 2018 15:32

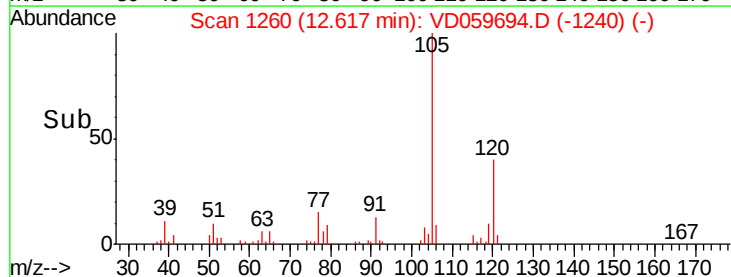
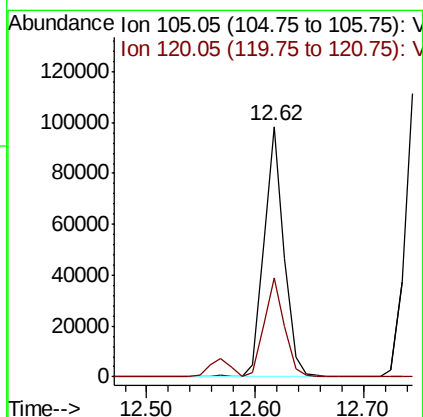
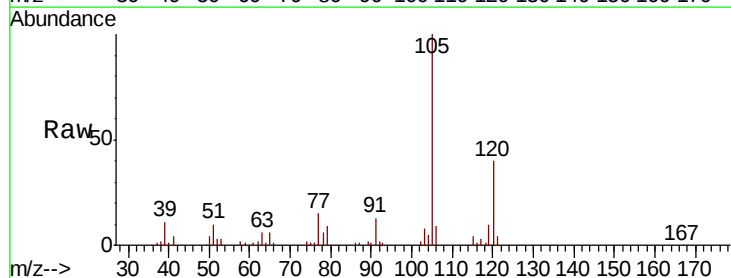
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

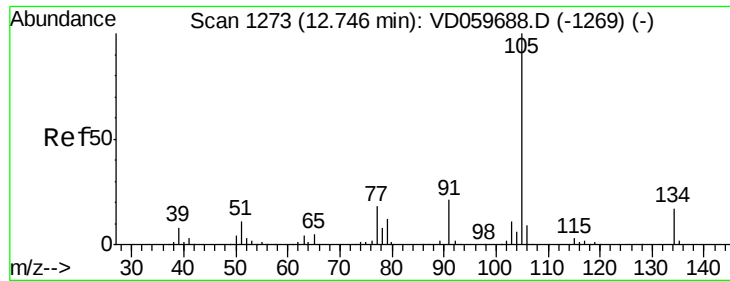
Tot Ion:119 Resp: 143063
 Ion Ratio Lower Upper
 119 100
 91 81.3 43.3 129.9
 134 22.1 10.5 31.6



#84
 1,2,4-Trimethylbenzene
 Concen: 18.29 ug/l
 RT: 12.62 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VD059694.D
 Acq: 6 Aug 2018 15:32

Tgt Ion:105 Resp: 125946
 Ion Ratio Lower Upper
 105 100
 120 39.6 18.7 56.1





#85

sec-Butylbenzene

Concen: 19.00 ug/l

RT: 12.75 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

Instrument :

MSVOA_D

ClientSampleId :

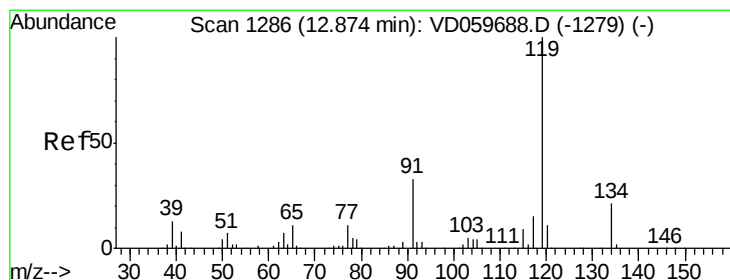
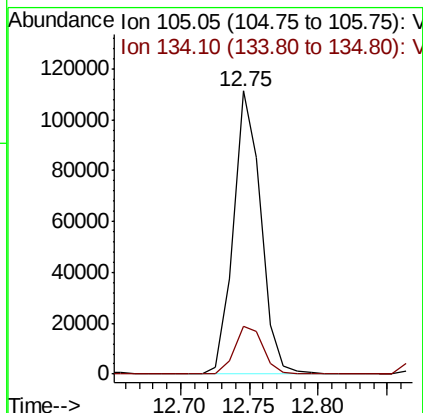
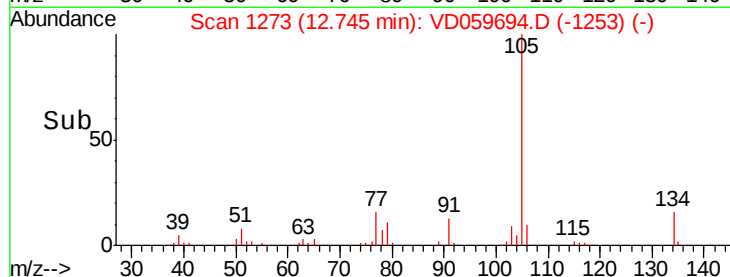
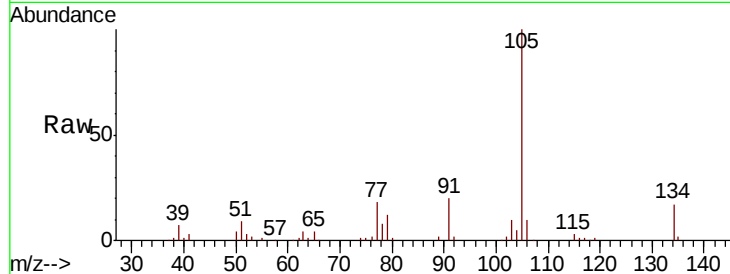
VSTDIC020

Tot Ion:105 Resp: 153971

Ion Ratio Lower Upper

105 100

134 16.7 8.3 24.9



#86

p-Isopropyltoluene

Concen: 18.62 ug/l

RT: 12.87 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VD059694.D

Acq: 6 Aug 2018 15:32

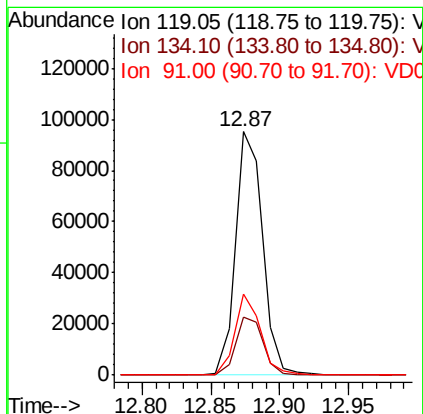
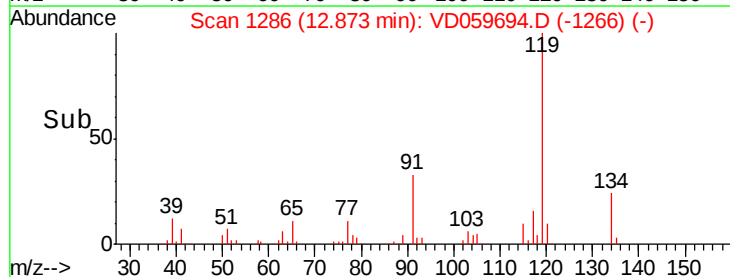
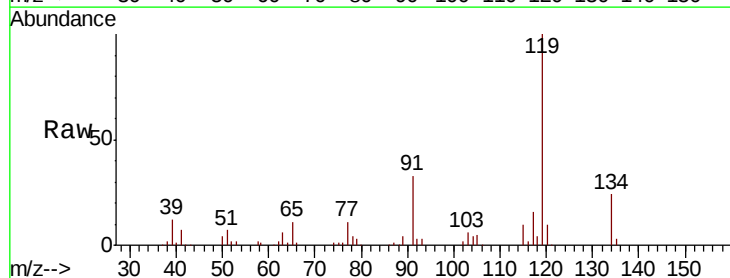
Tgt Ion:119 Resp: 130683

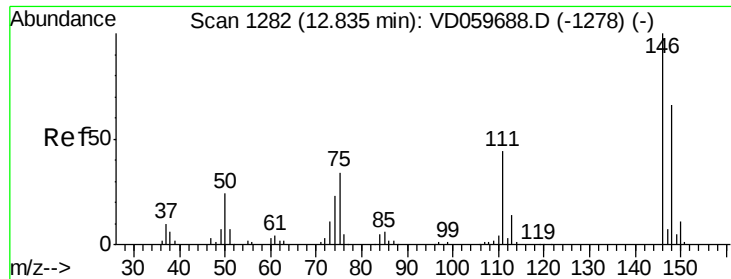
Ion Ratio Lower Upper

119 100

134 23.6 10.7 32.1

91 33.2 16.6 49.7

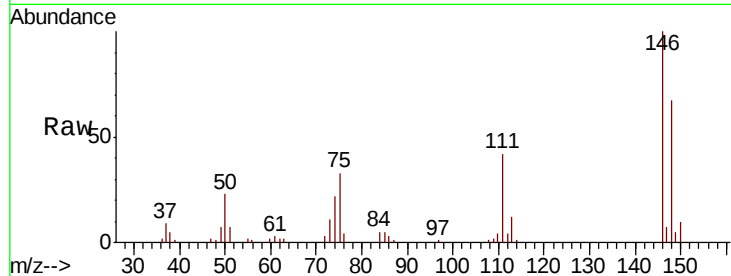




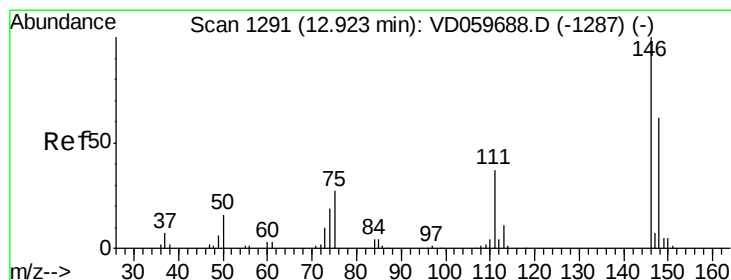
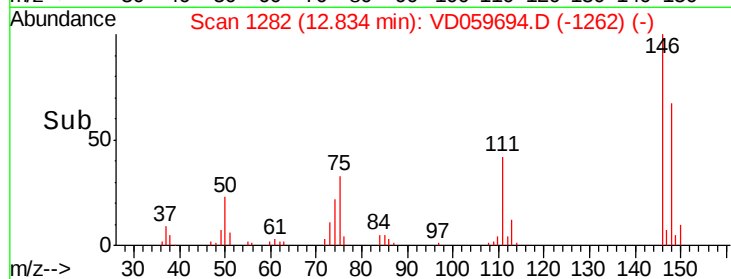
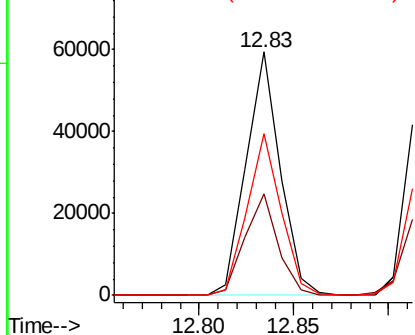
#87
 1,3-Dichlorobenzene
 Concen: 18.67 ug/l
 RT: 12.83 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VD059694.D
 Acq: 6 Aug 2018 15:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

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

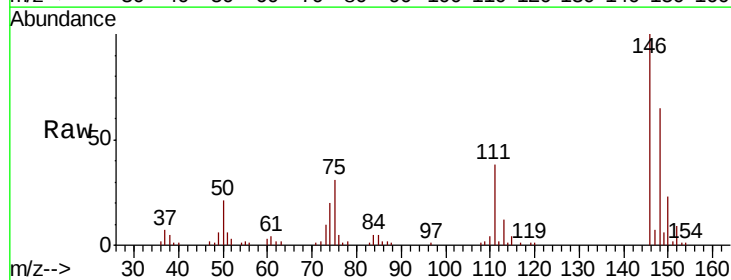


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

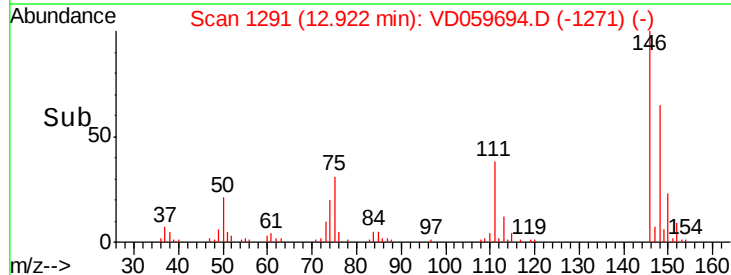
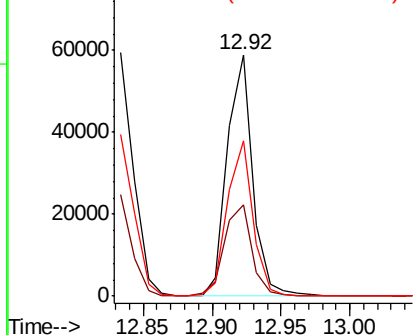


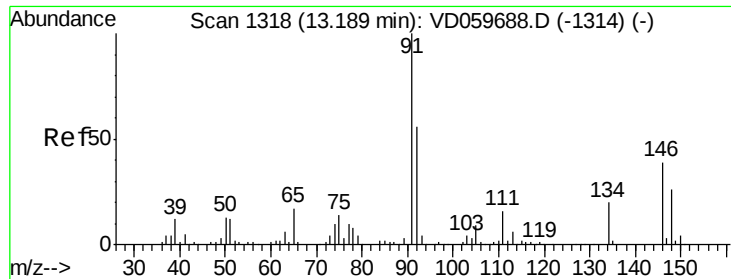
#88
 1,4-Dichlorobenzene
 Concen: 18.84 ug/l
 RT: 12.92 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VD059694.D
 Acq: 6 Aug 2018 15:32

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



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

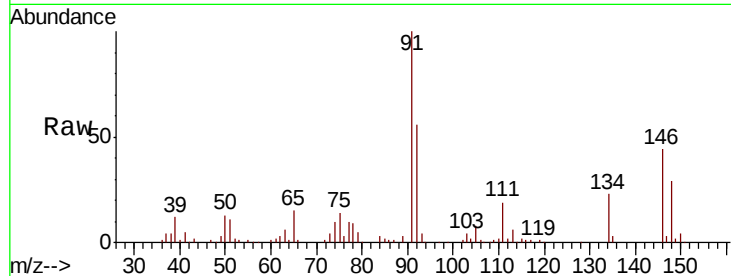




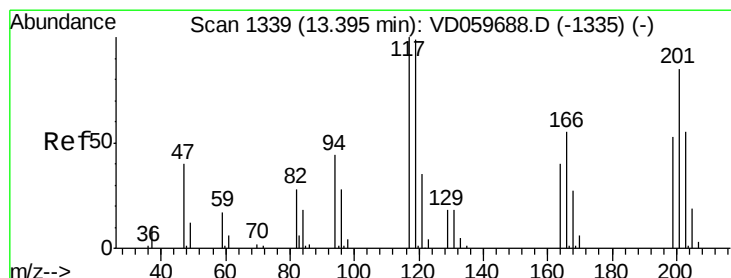
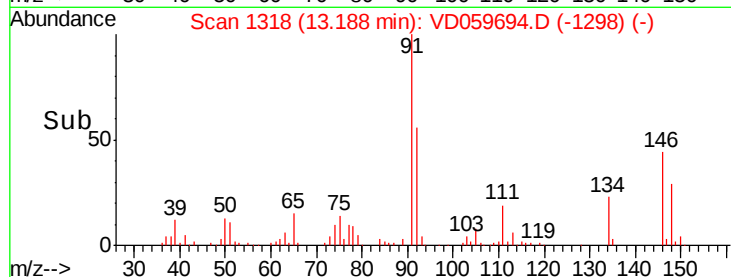
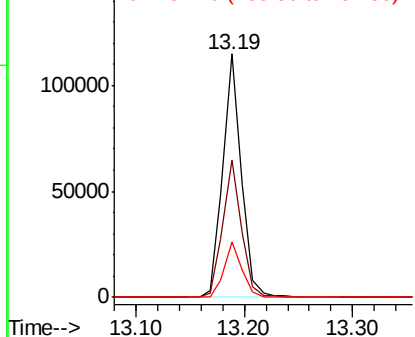
#89
n-Butylbenzene
Concen: 19.83 ug/l
RT: 13.19 min Scan# 1318
Delta R.T. -0.00 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

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

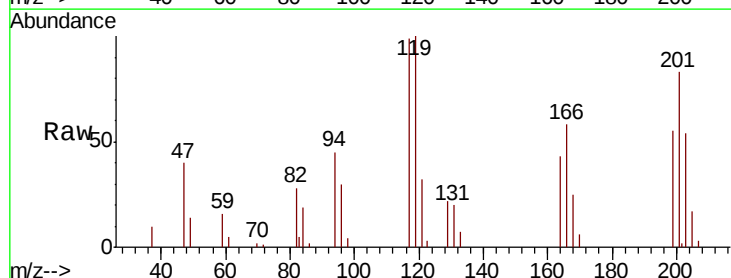


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.10 (133.80 to 134.80): V

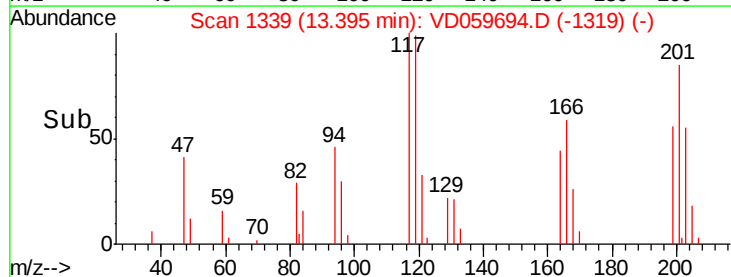
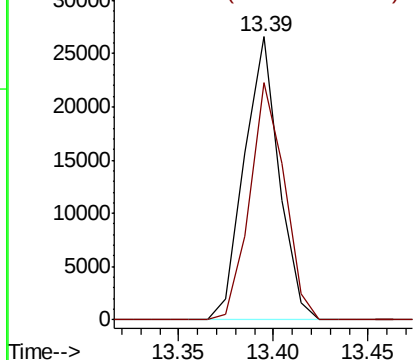


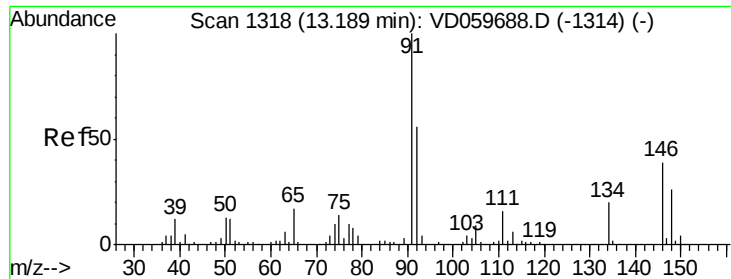
#90
Hexachloroethane
Concen: 18.38 ug/l
RT: 13.39 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

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



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

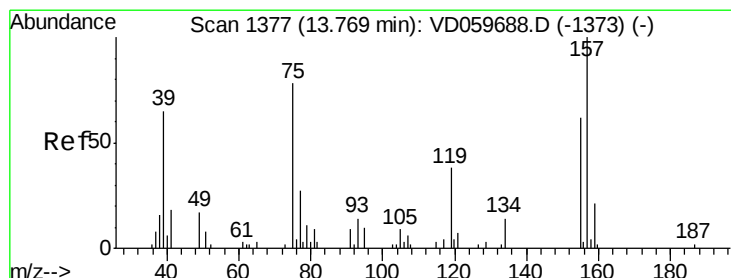
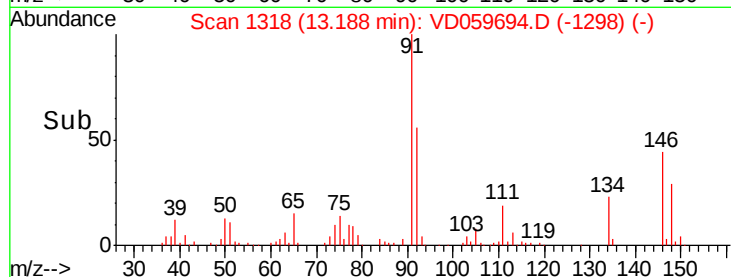
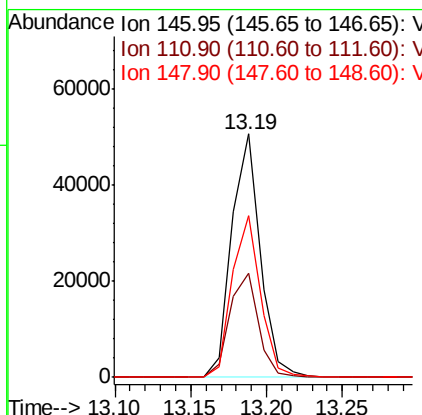
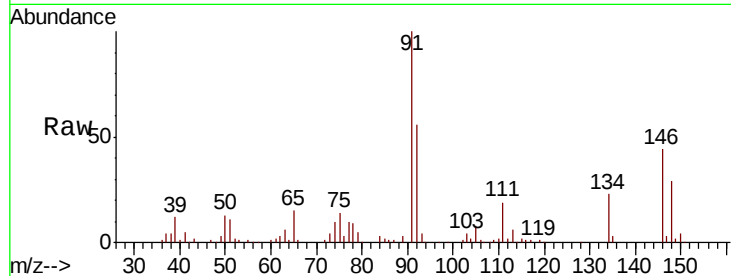




#91
 1,2-Dichlorobenzene
 Concen: 20.18 ug/l
 RT: 13.19 min Scan# 1318
 Delta R.T. -0.00 min
 Lab File: VD059694.D
 Acq: 6 Aug 2018 15:32

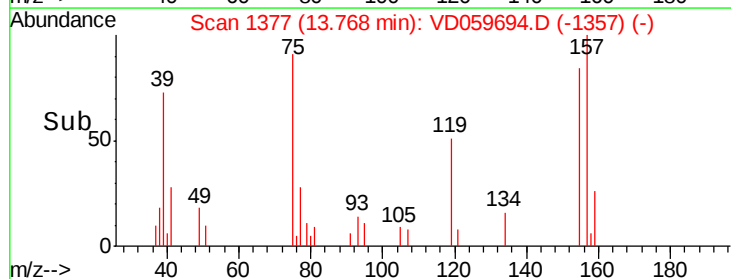
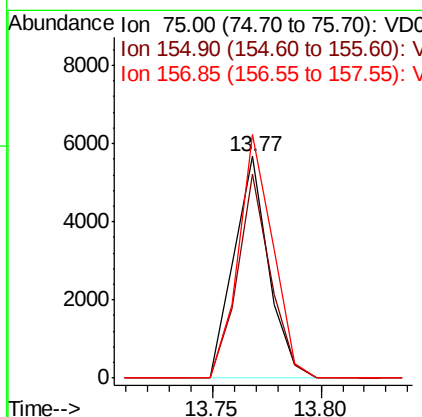
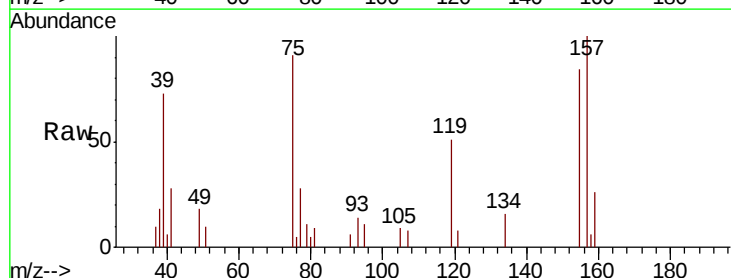
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

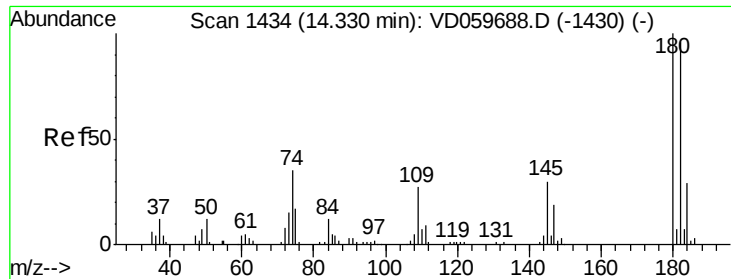
Tot Ion:146 Resp: 66094
 Ion Ratio Lower Upper
 146 100
 111 42.6 20.8 62.2
 148 66.3 33.4 100.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.87 ug/l
 RT: 13.77 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VD059694.D
 Acq: 6 Aug 2018 15:32

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

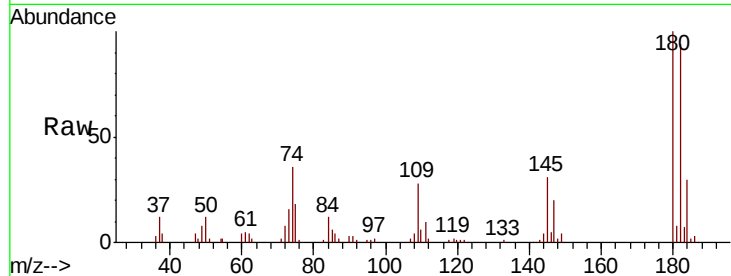




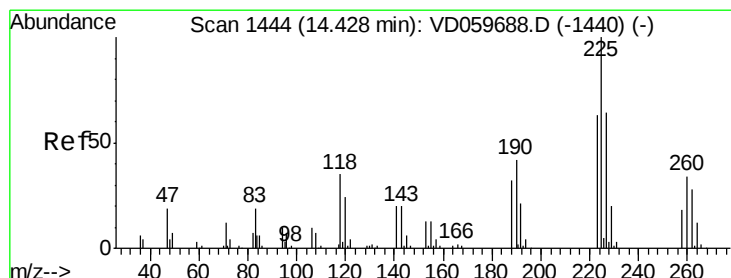
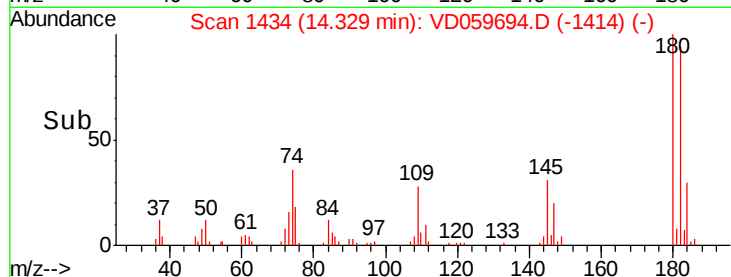
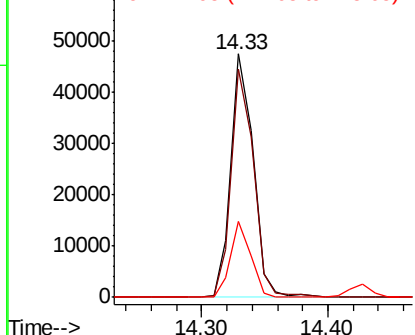
#93
 1,2,4-Trichlorobenzene
 Concen: 19.70 ug/l
 RT: 14.33 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VD059694.D
 Acq: 6 Aug 2018 15:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

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

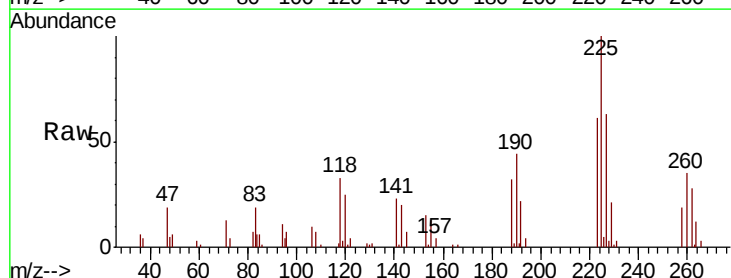


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

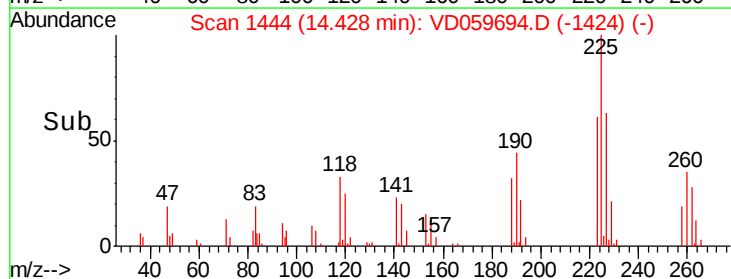
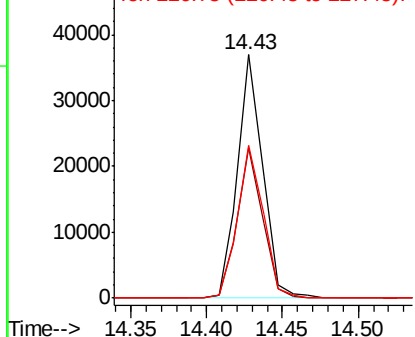


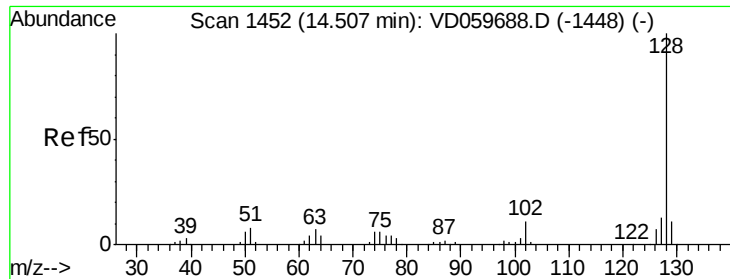
#94
 Hexachlorobutadiene
 Concen: 18.58 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: VD059694.D
 Acq: 6 Aug 2018 15:32

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



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

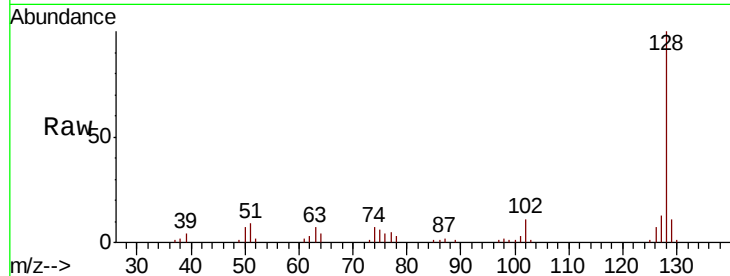




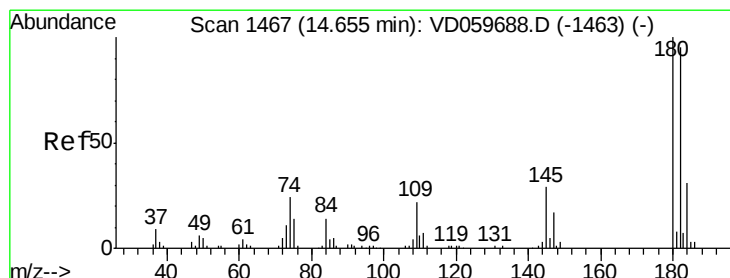
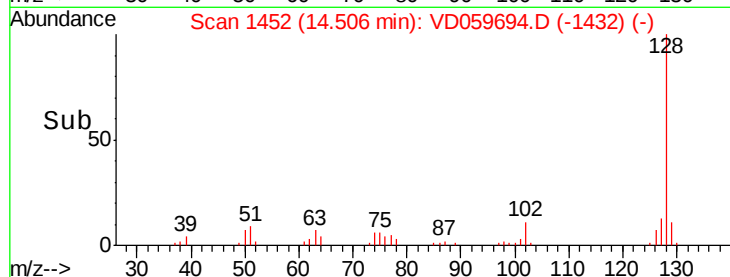
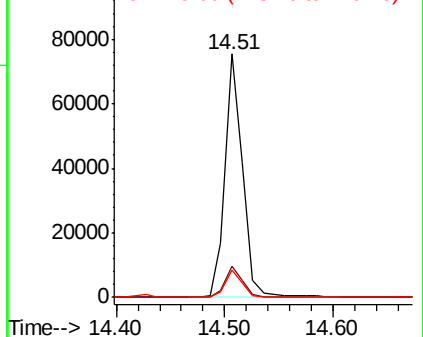
#95
Naphthalene
Concen: 19.31 ug/l
RT: 14.51 min Scan# 1452
Delta R.T. -0.00 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:128 Resp: 85020
Ion Ratio Lower Upper
128 100
127 12.8 10.6 16.0
129 11.3 8.8 13.2

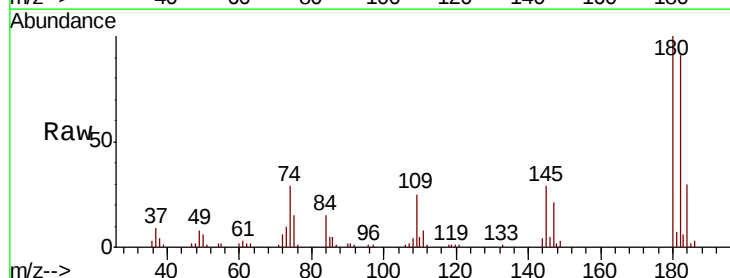


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 18.81 ug/l
RT: 14.65 min Scan# 1467
Delta R.T. -0.00 min
Lab File: VD059694.D
Acq: 6 Aug 2018 15:32

Tgt Ion:180 Resp: 49458
Ion Ratio Lower Upper
180 100
182 91.1 47.5 142.5
145 29.3 14.5 43.5



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

