

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080818\
 Data File : VD059707.D
 Acq On : 8 Aug 2018 11:53
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 08 14:20:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080618S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 08 02:03:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	215895	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.68	114	277862	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	222263	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	121970	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	164461	59.22	ug/l	0.02
Spiked Amount			Recovery	=	118.44%	
35) Dibromofluoromethane	5.54	113	136366	54.64	ug/l	0.02
Spiked Amount			Recovery	=	109.28%	
50) Toluene-d8	8.71	98	296051	54.50	ug/l	0.02
Spiked Amount			Recovery	=	109.00%	
62) 4-Bromofluorobenzene	11.93	95	135146	53.90	ug/l	0.00
Spiked Amount			Recovery	=	107.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.33	85	158654	52.355	ug/l	97
3) Chloromethane	1.48	50	82120	60.814	ug/l	99
4) Vinyl Chloride	1.55	62	99583	63.160	ug/l	98
5) Bromomethane	1.78	94	37994	73.227	ug/l	95
6) Chloroethane	1.87	64	42703	66.643	ug/l	98
7) Trichlorofluoromethane	2.08	101	157150	61.156	ug/l	99
8) Diethyl Ether	2.33	74	33168	70.462	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.55	101	87144	60.036	ug/l	95
10) Methyl Iodide	2.69	142	110549	66.248	ug/l	95
11) Tert butyl alcohol	3.26	59	30429	301.112	ug/l	99
12) 1,1-Dichloroethene	2.54	96	70000	66.005	ug/l	91
13) Acrolein	2.46	56	32581	343.257	ug/l	92
14) Allyl chloride	2.91	41	165528	68.214	ug/l	95
15) Acrylonitrile	3.35	53	78441	279.854	ug/l	99
16) Acetone	2.60	43	186956	358.363	ug/l	98
17) Carbon Disulfide	2.75	76	265360	69.264	ug/l	99
18) Methyl Acetate	2.93	43	57484	59.631	ug/l	94
19) Methyl tert-butyl Ether	3.40	73	263890	65.209	ug/l	96
20) Methylene Chloride	3.06	84	83624	61.737	ug/l	90
21) trans-1,2-Dichloroethene	3.38	96	88287	63.603	ug/l	92
22) Diisopropyl ether	4.07	45	299883	52.539	ug/l	94
23) Vinyl Acetate	4.01	43	994895	274.935	ug/l	100
24) 1,1-Dichloroethane	3.97	63	200182	52.989	ug/l	99
25) 2-Butanone	4.83	43	192192	280.486	ug/l	100
26) 2,2-Dichloropropane	4.78	77	232788	57.700	ug/l	97
27) cis-1,2-Dichloroethene	4.79	96	100293	49.760	ug/l	81
28) Bromochloromethane	5.14	49	71098	50.975	ug/l	89
29) Tetrahydrofuran	5.18	42	72065	271.565	ug/l	94
30) Chloroform	5.31	83	252339	54.798	ug/l	99
31) Cyclohexane	5.59	56	131405	53.226	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	252175	56.302	ug/l	96
36) 1,1-Dichloropropene	5.74	75	164404	53.220	ug/l	97
37) Ethyl Acetate	4.92	43	79619	53.083	ug/l	97
38) Carbon Tetrachloride	5.72	117	234864	56.813	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.27	83	133695	51.211	ug/l	98
40) Benzene	6.01	78	303990	50.740	ug/l	99
41) Methacrylonitrile	5.12	41	39542	56.386	ug/l	94
42) 1,2-Dichloroethane	6.12	62	216159	58.362	ug/l	100
43) Isopropyl Acetate	7.62	43	100164	51.094	ug/l	97
44) Trichloroethene	6.98	130	117498	53.681	ug/l	97
45) 1,2-Dichloropropane	7.34	63	83476	52.767	ug/l	96
46) Dibromomethane	7.46	93	71432	52.106	ug/l	91
47) Bromodichloromethane	7.74	83	185147	53.025	ug/l	97
48) Methyl methacrylate	7.50	41	74032	57.214	ug/l	98
49) 1,4-Dioxane	7.49	88	11012	976.695	ug/l #	81
51) 4-Methyl-2-Pentanone	8.60	43	421202	294.609	ug/l	98
52) Toluene	8.80	92	200359	52.427	ug/l	97
53) t-1,3-Dichloropropene	9.18	75	166141	56.241	ug/l	100
54) cis-1,3-Dichloropropene	8.35	75	159080	52.282	ug/l	94
55) 1,1,2-Trichloroethane	9.46	97	73238	49.894	ug/l	96
56) Ethyl methacrylate	9.31	69	89138	55.038	ug/l	92
57) 1,3-Dichloropropane	9.66	76	115289	50.615	ug/l	94
58) 2-Chloroethyl Vinyl ether	8.19	63	207996	269.566	ug/l	96
59) 2-Hexanone	9.78	43	323158	301.003	ug/l	100
60) Dibromochloromethane	9.96	129	136310	58.436	ug/l	97
61) 1,2-Dibromoethane	10.10	107	91635	54.291	ug/l	97
64) Tetrachloroethene	9.52	164	111210	52.845	ug/l	99
65) Chlorobenzene	10.73	112	251761	53.753	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.85	131	117284	57.118	ug/l	97
67) Ethyl Benzene	10.85	91	430166	50.997	ug/l	98
68) m/p-Xylenes	11.01	106	293174	108.647	ug/l	92
69) o-Xylene	11.40	106	141761	54.039	ug/l	86
70) Styrene	11.43	104	241192	54.775	ug/l	95
71) Bromoform	11.60	173	94490	61.079	ug/l	98
73) Isopropylbenzene	11.78	105	443959	54.161	ug/l	97
74) N-amyl acetate	11.64	43	145640	55.537	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.07	83	79733	48.475	ug/l	97
76) 1,2,3-Trichloropropane	12.11	75	101944	54.067	ug/l	98
77) Bromobenzene	12.04	156	127420	53.332	ug/l	83
78) n-propylbenzene	12.15	91	520758	51.265	ug/l	99
79) 2-Chlorotoluene	12.22	91	318938	51.989	ug/l	91
80) 1,3,5-Trimethylbenzene	12.32	105	366581	53.688	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.85	75	26042	56.594	ug/l	92
82) 4-Chlorotoluene	12.33	91	364453	50.748	ug/l	83
83) tert-Butylbenzene	12.57	119	402843	52.712	ug/l	95
84) 1,2,4-Trimethylbenzene	12.62	105	386334	53.390	ug/l	99
85) sec-Butylbenzene	12.75	105	439004	51.726	ug/l	98
86) p-Isopropyltoluene	12.89	119	408414	56.429	ug/l	94
87) 1,3-Dichlorobenzene	12.84	146	211754	51.353	ug/l	99
88) 1,4-Dichlorobenzene	12.93	146	215528	52.392	ug/l	96
89) n-Butylbenzene	13.19	91	384291	52.365	ug/l	99
90) Hexachloroethane	13.40	117	102621	54.706	ug/l	99
91) 1,2-Dichlorobenzene	13.19	146	179999	51.832	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.77	75	19070	55.508	ug/l	87

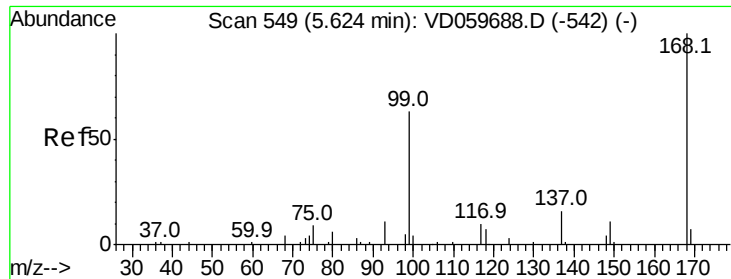
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080818\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	173752	55.620	ug/l	99
94) Hexachlorobutadiene	14.43	225	130243	53.760	ug/l	98
95) Naphthalene	14.51	128	238369	51.524	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	142477	52.140	ug/l	99

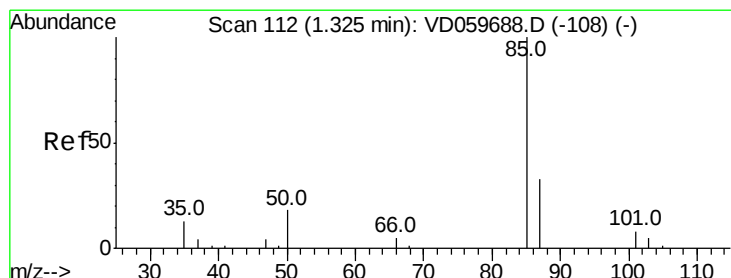
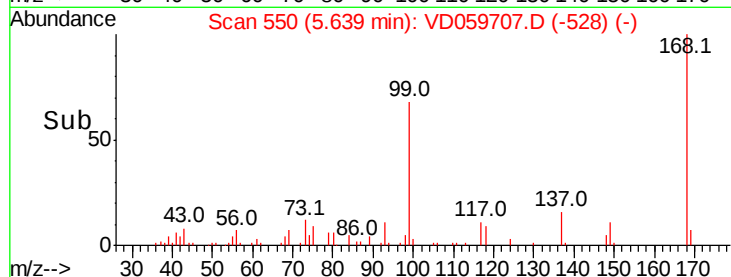
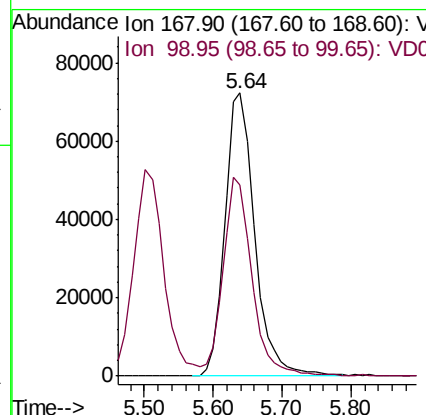
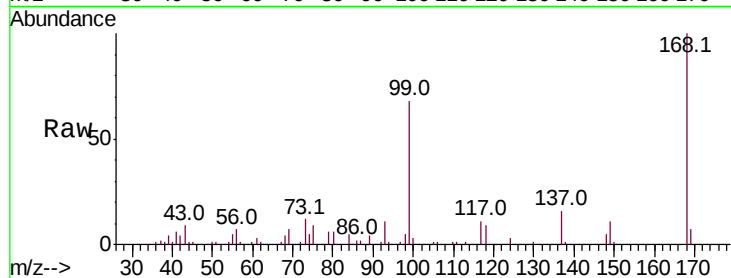
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.64 min Scan# 550
Delta R.T. 0.02 min
Lab File: VD059707.D
Acq: 8 Aug 2018 11:53

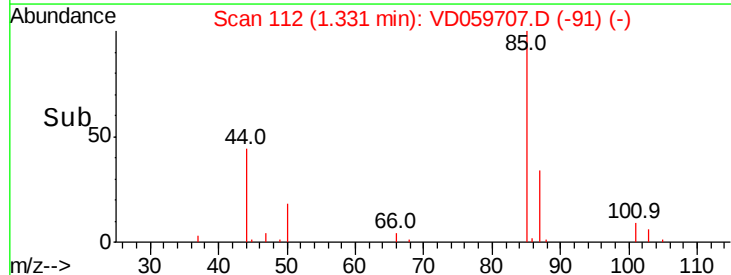
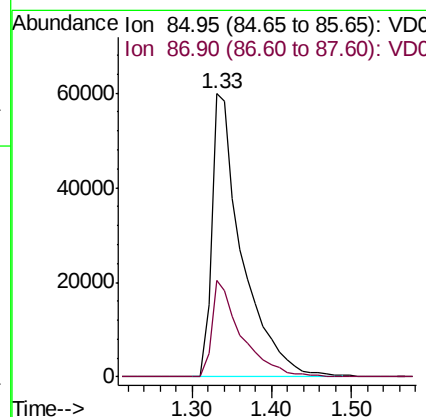
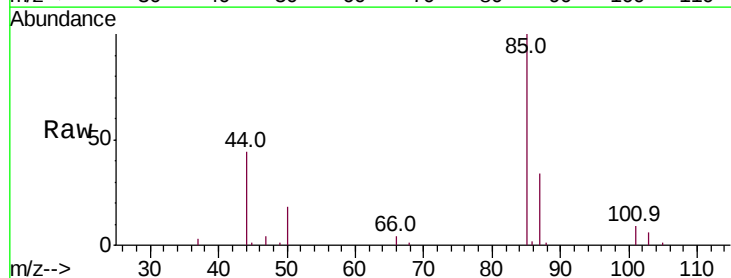
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

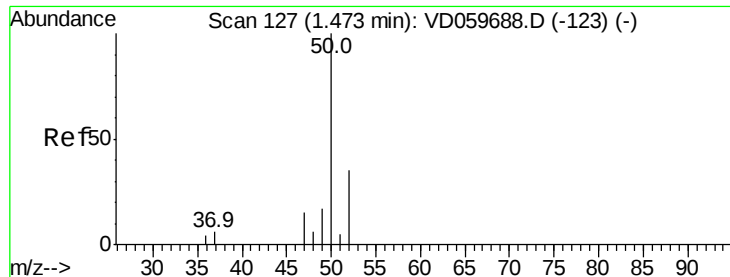
Tot Ion:168 Resp: 215895
Ion Ratio Lower Upper
168 100
99 67.7 53.4 80.2



#2
Dichlorodifluoromethane
Concen: 52.355 ug/l
RT: 1.33 min Scan# 112
Delta R.T. 0.01 min
Lab File: VD059707.D
Acq: 8 Aug 2018 11:53

Tgt Ion: 85 Resp: 158654
Ion Ratio Lower Upper
85 100
87 34.2 16.4 49.1





#3

Chloromethane

Concen: 60.814 ug/l

RT: 1.48 min Scan# 127

Delta R.T. 0.01 min

Lab File: VD059707.D

Acq: 8 Aug 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

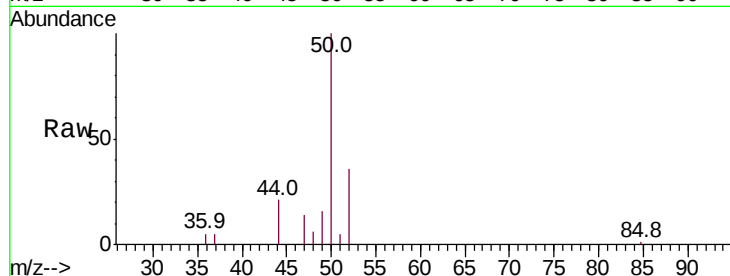
VSTDCCC050

Tot Ion: 50 Resp: 82120

Ion Ratio Lower Upper

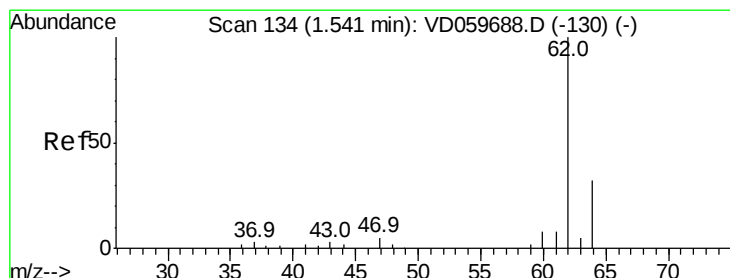
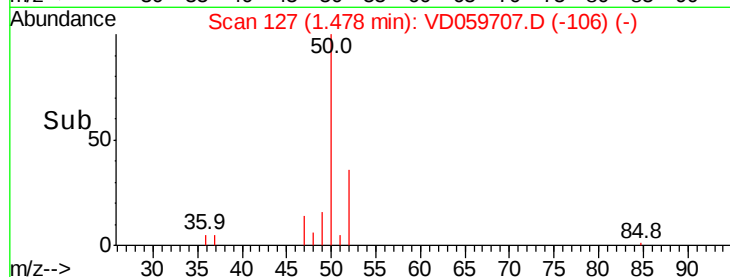
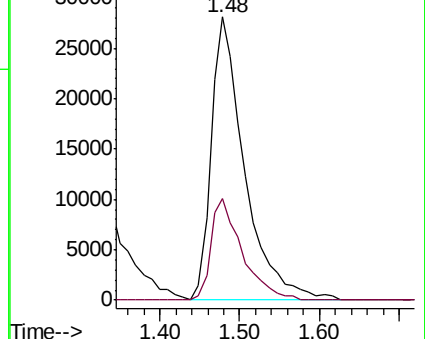
50 100

52 35.9 28.2 42.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 63.160 ug/l

RT: 1.55 min Scan# 134

Delta R.T. 0.01 min

Lab File: VD059707.D

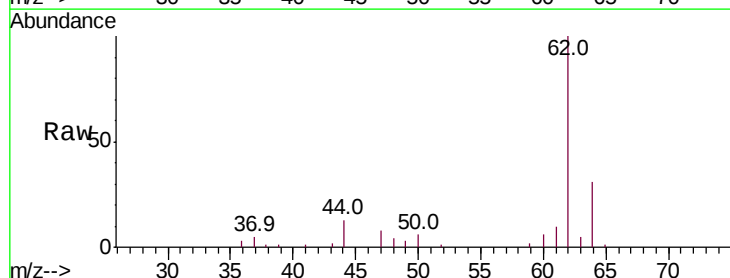
Acq: 8 Aug 2018 11:53

Tgt Ion: 62 Resp: 99583

Ion Ratio Lower Upper

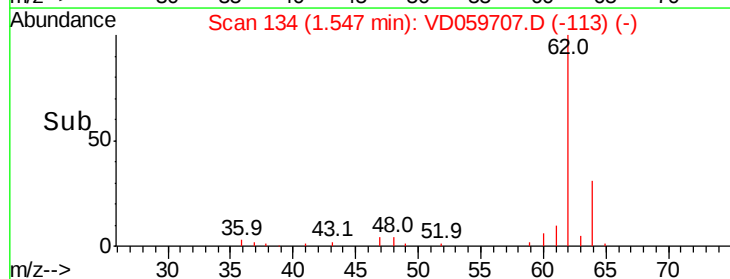
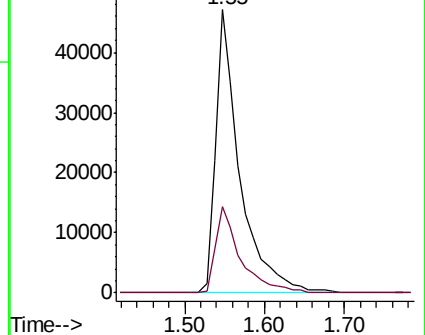
62 100

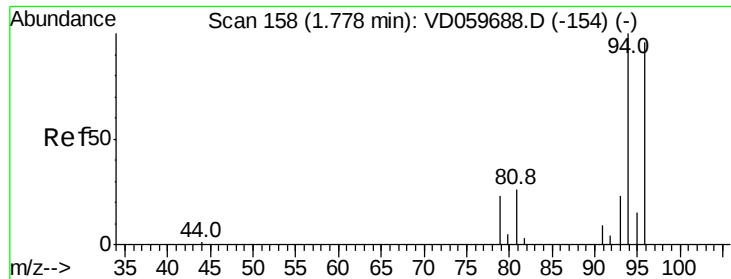
64 30.7 25.4 38.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 73.227 ug/l

RT: 1.78 min Scan# 158

Delta R.T. 0.01 min

Lab File: VD059707.D

Acq: 8 Aug 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

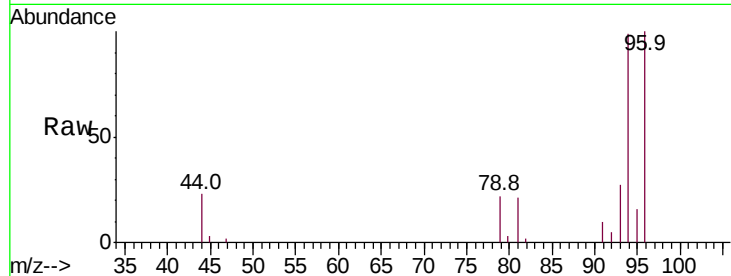
VSTDCCC050

Tot Ion: 94 Resp: 37994

Ion Ratio Lower Upper

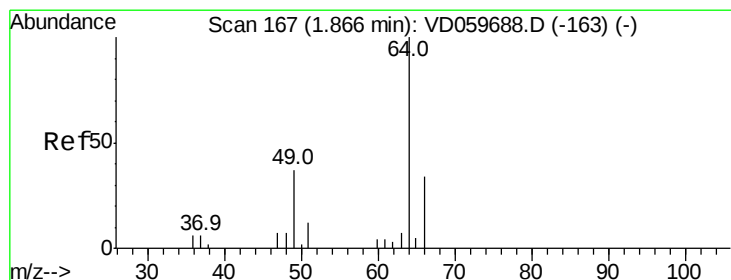
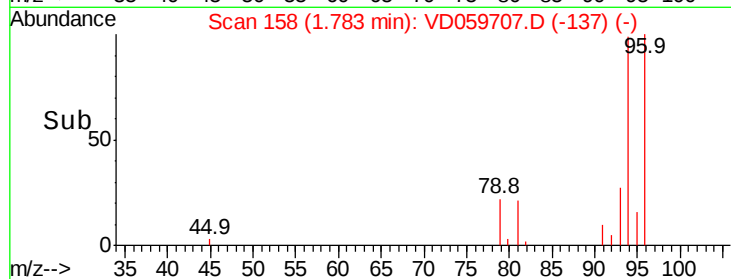
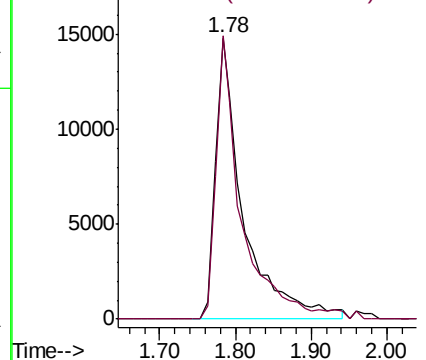
94 100

96 100.7 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: 66.643 ug/l

RT: 1.87 min Scan# 167

Delta R.T. 0.01 min

Lab File: VD059707.D

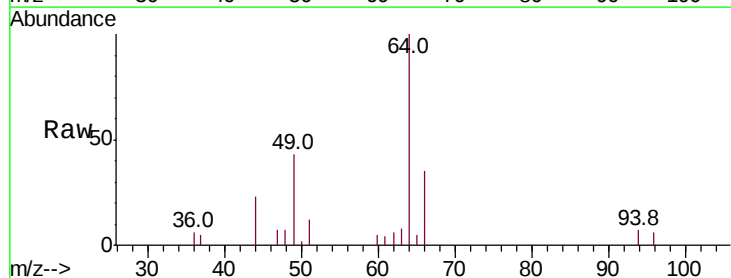
Acq: 8 Aug 2018 11:53

Tgt Ion: 64 Resp: 42703

Ion Ratio Lower Upper

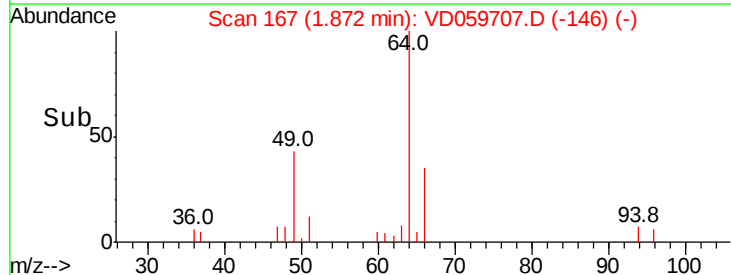
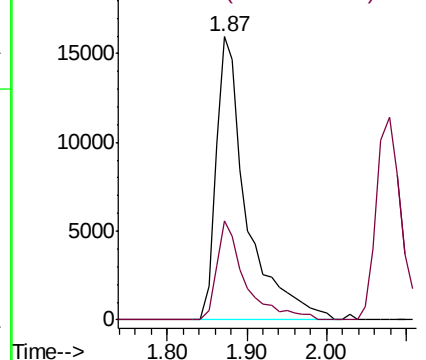
64 100

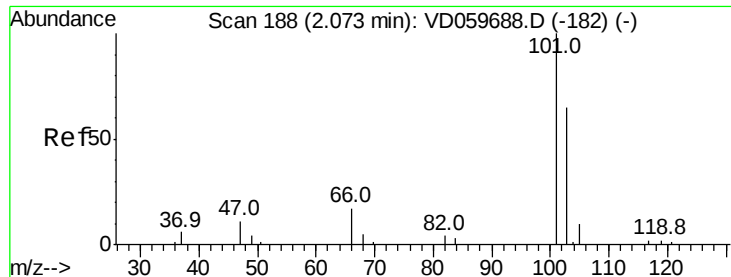
66 35.0 27.2 40.8



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



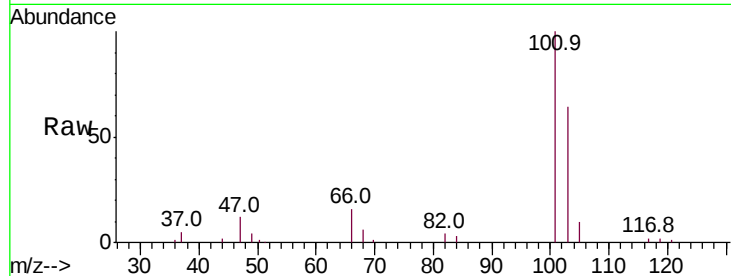


#7

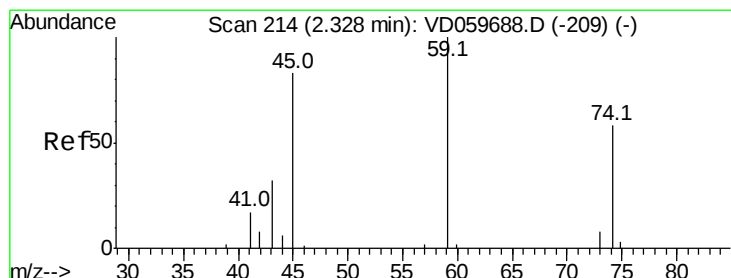
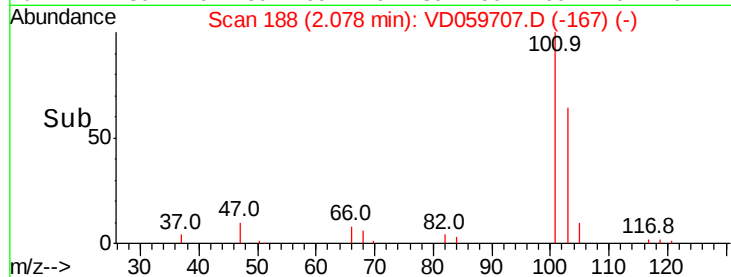
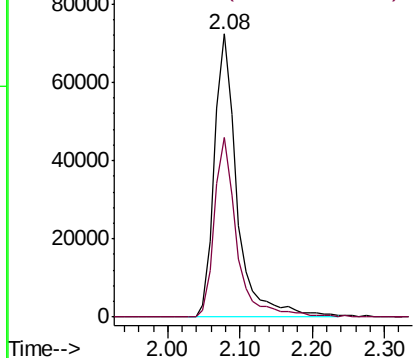
Trichlorofluoromethane
 Concen: 61.156 ug/l
 RT: 2.08 min Scan# 188
 Delta R.T. 0.01 min
 Lab File: VD059707.D
 Acq: 8 Aug 2018 11:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:101 Resp: 157150
 Ion Ratio Lower Upper
 101 100
 103 63.6 51.7 77.5



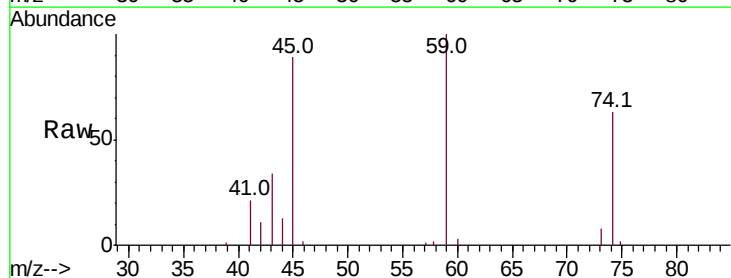
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



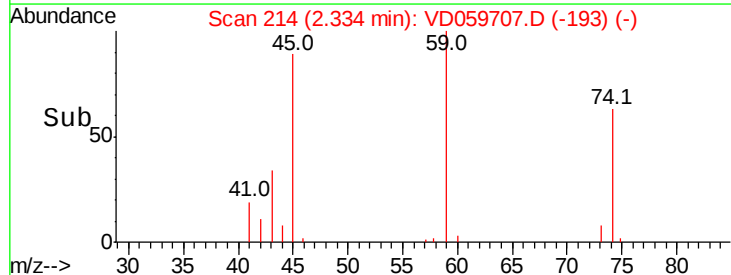
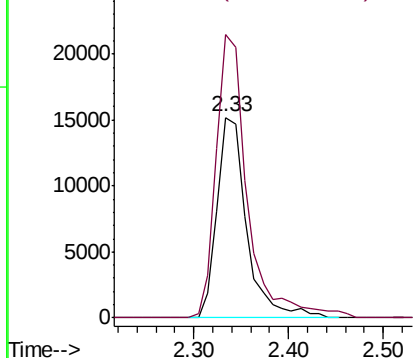
#8

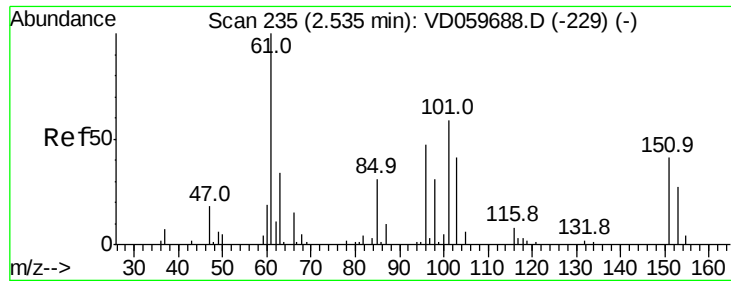
Diethyl Ether
 Concen: 70.462 ug/l
 RT: 2.33 min Scan# 214
 Delta R.T. 0.01 min
 Lab File: VD059707.D
 Acq: 8 Aug 2018 11:53

Tgt Ion: 74 Resp: 33168
 Ion Ratio Lower Upper
 74 100
 45 141.0 71.4 214.2



Abundance Ion 74.00 (73.70 to 74.70): VDC
 25000 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 60.036 ug/l

RT: 2.55 min Scan# 236

Delta R.T. 0.02 min

Lab File: VD059707.D

Acq: 8 Aug 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

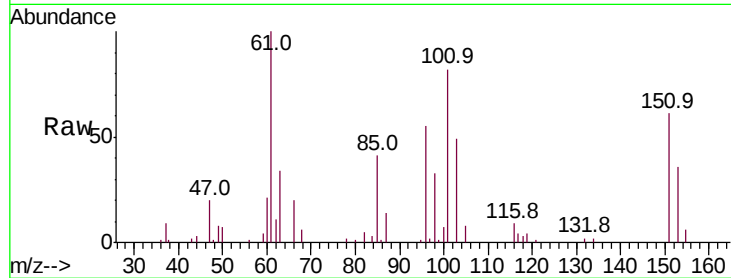
Tot Ion:101 Resp: 87144

Ion Ratio Lower Upper

101 100

85 50.3 42.2 63.4

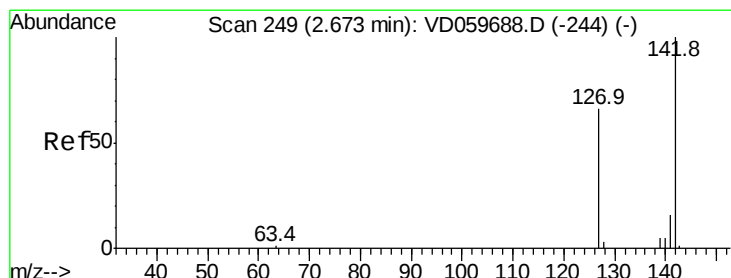
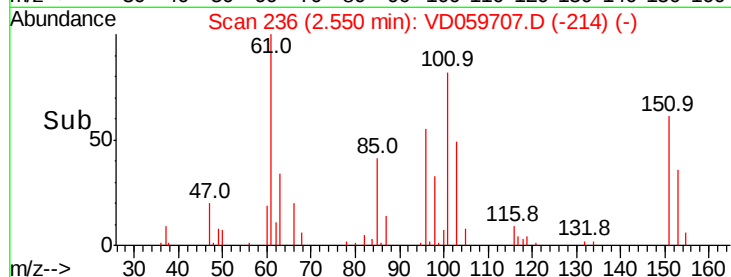
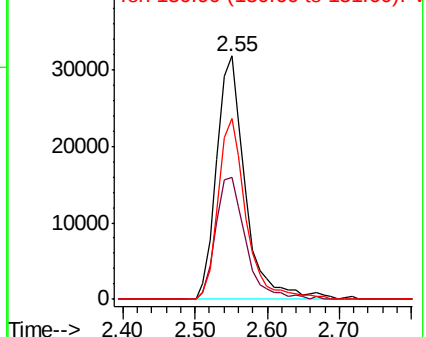
151 74.2 55.2 82.8



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 66.248 ug/l

RT: 2.69 min Scan# 250

Delta R.T. 0.02 min

Lab File: VD059707.D

Acq: 8 Aug 2018 11:53

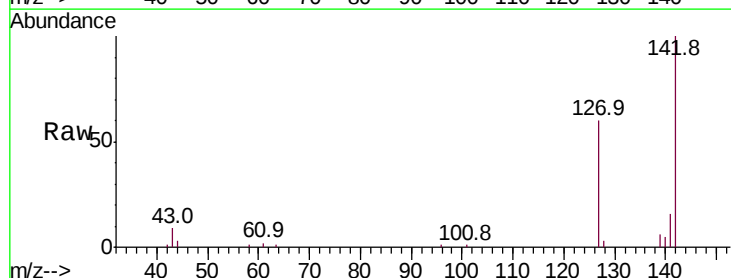
Tgt Ion:142 Resp: 110549

Ion Ratio Lower Upper

142 100

127 60.5 52.6 79.0

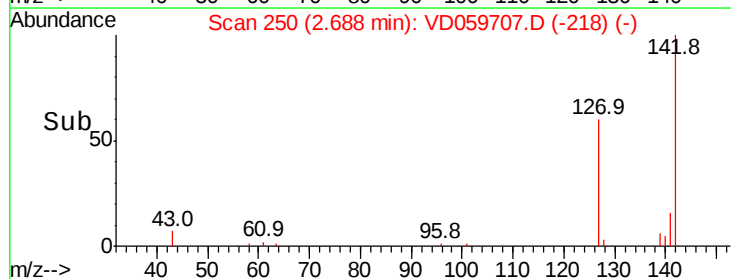
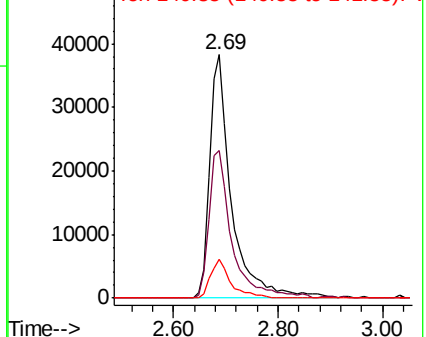
141 15.7 12.5 18.7

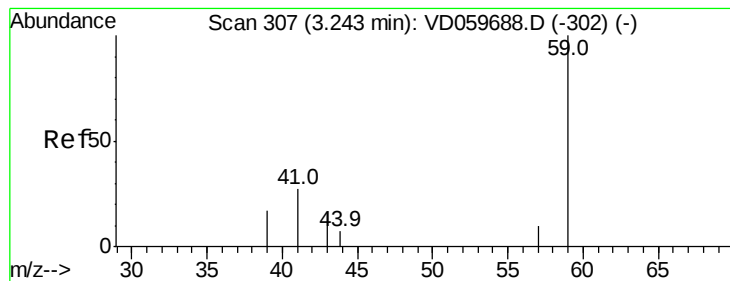


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



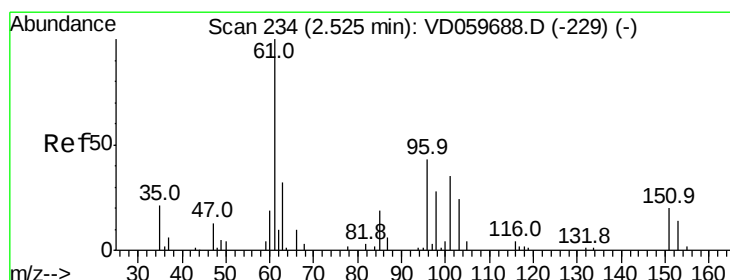
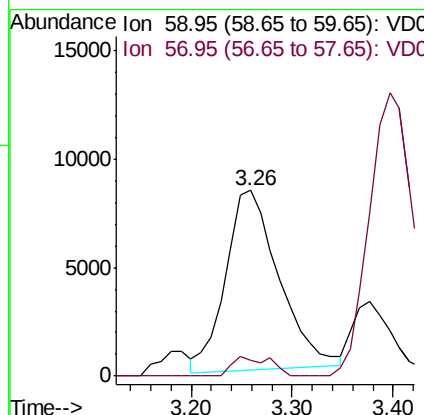
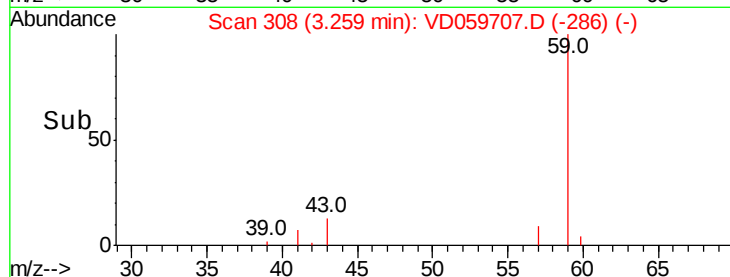
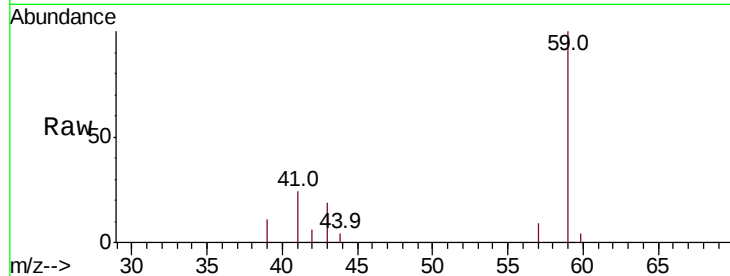


#11

Tert butyl alcohol
Concen: 301.112 ug/l
RT: 3.26 min Scan# 308
Delta R.T. 0.02 min
Lab File: VD059707.D
Acq: 8 Aug 2018 11:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

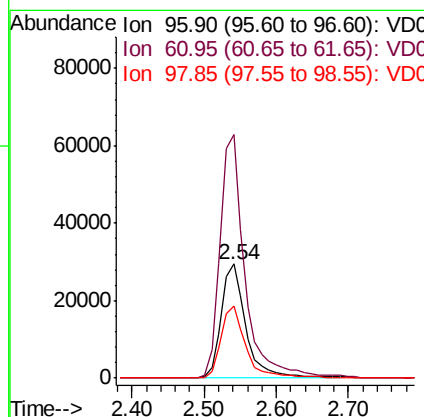
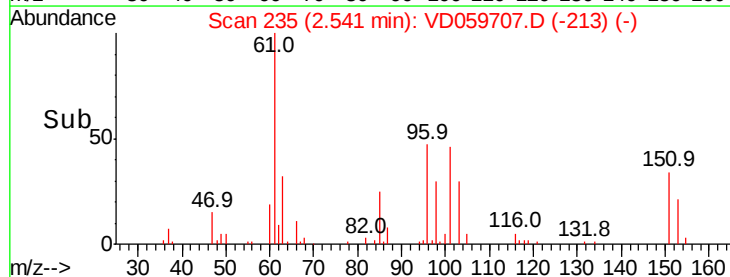
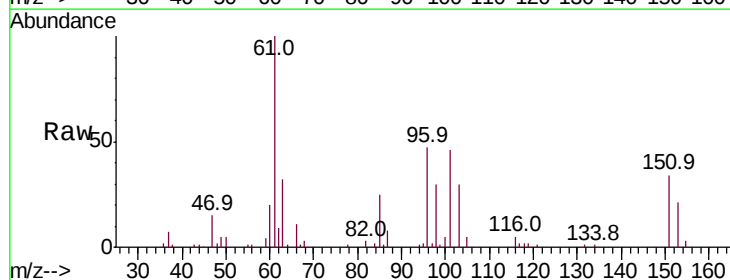
Tot Ion: 59 Resp: 30429
Ion Ratio Lower Upper
59 100
57 8.7 6.8 10.2

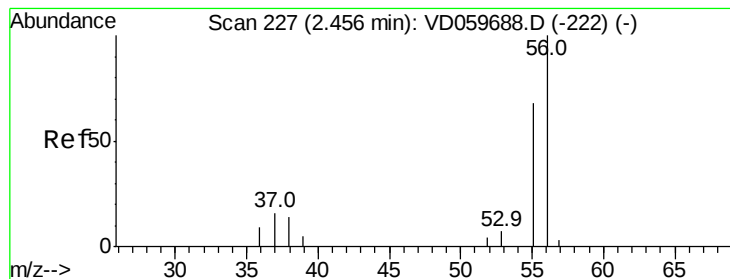


#12

1,1-Dichloroethene
Concen: 66.005 ug/l
RT: 2.54 min Scan# 235
Delta R.T. 0.02 min
Lab File: VD059707.D
Acq: 8 Aug 2018 11:53

Tgt Ion: 96 Resp: 70000
Ion Ratio Lower Upper
96 100
61 213.0 184.1 276.1
98 63.4 52.4 78.6





#13

Acrolein

Concen: 343.257 ug/l

RT: 2.46 min Scan# 227

Delta R.T. 0.01 min

Lab File: VD059707.D

Acq: 8 Aug 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

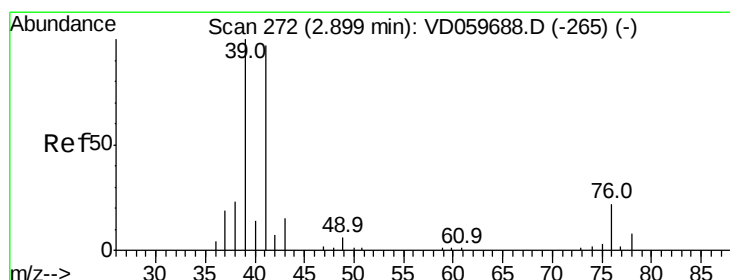
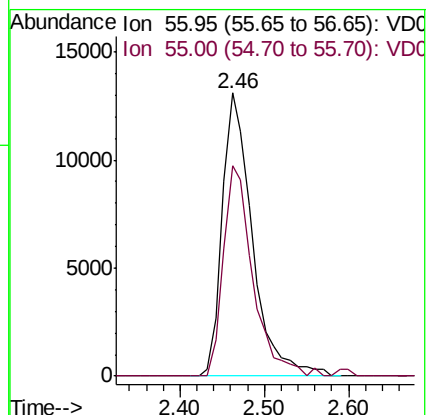
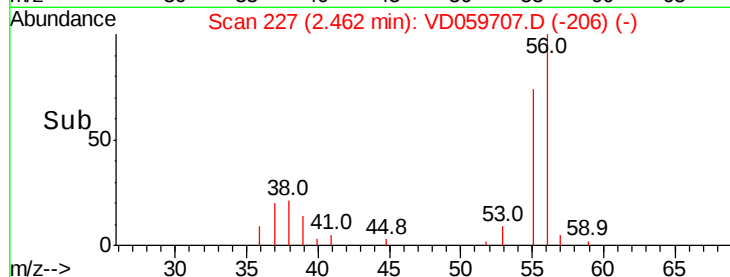
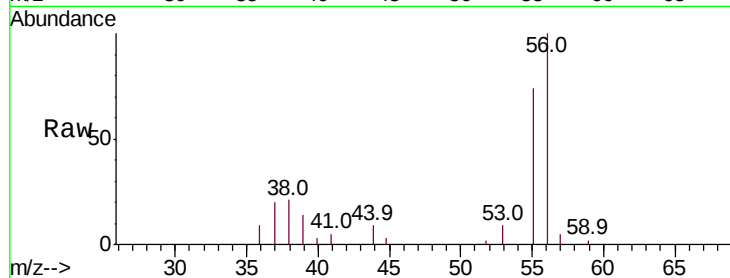
VSTDCCC050

Tot Ion: 56 Resp: 32581

Ion Ratio Lower Upper

56 100

55 74.4 54.4 81.6



#14

Allyl chloride

Concen: 68.214 ug/l

RT: 2.91 min Scan# 273

Delta R.T. 0.02 min

Lab File: VD059707.D

Acq: 8 Aug 2018 11:53

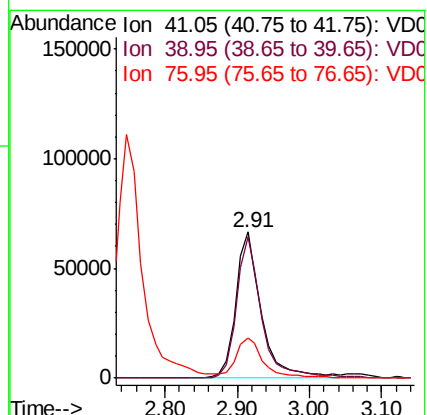
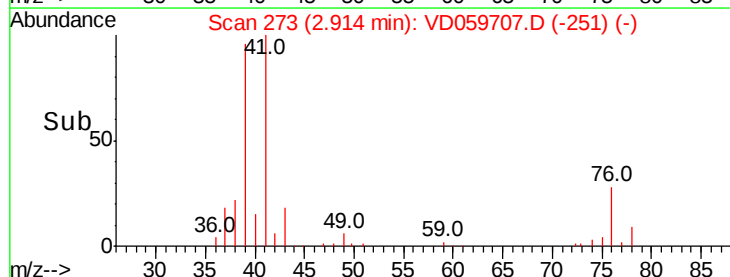
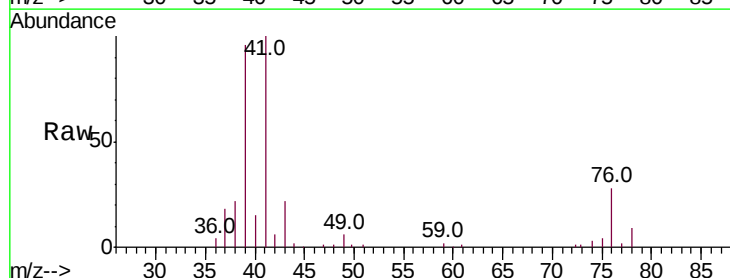
Tgt Ion: 41 Resp: 165528

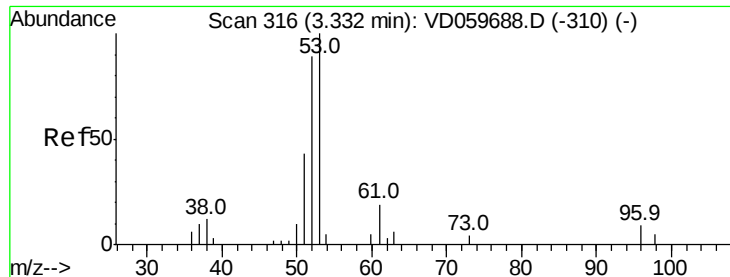
Ion Ratio Lower Upper

41 100

39 96.4 82.5 123.7

76 27.8 22.1 33.1





#15

Acrylonitrile

Concen: 279.854 ug/l

RT: 3.35 min Scan# 317

Delta R.T. 0.02 min

Lab File: VD059707.D

Acq: 8 Aug 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

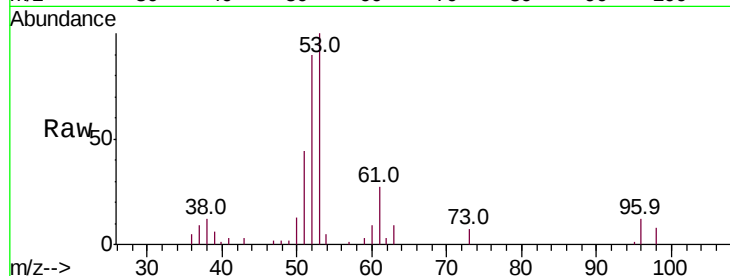
Tot Ion: 53 Resp: 78441

Ion Ratio Lower Upper

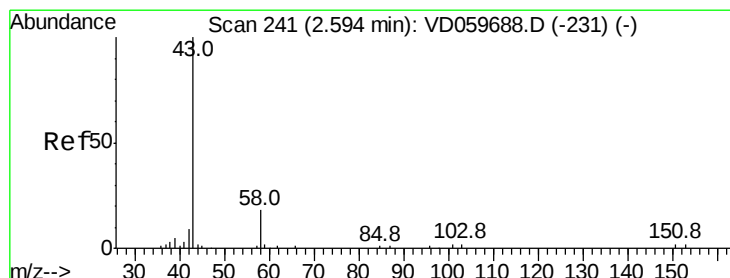
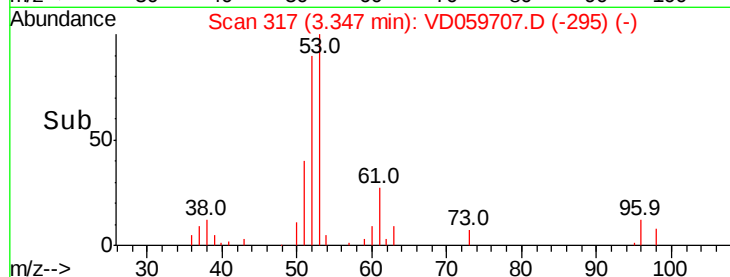
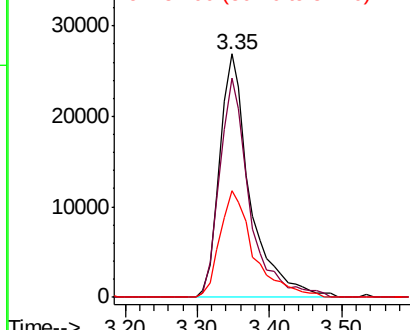
53 100

52 90.2 71.4 107.0

51 44.0 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: 358.363 ug/l

RT: 2.60 min Scan# 241

Delta R.T. 0.01 min

Lab File: VD059707.D

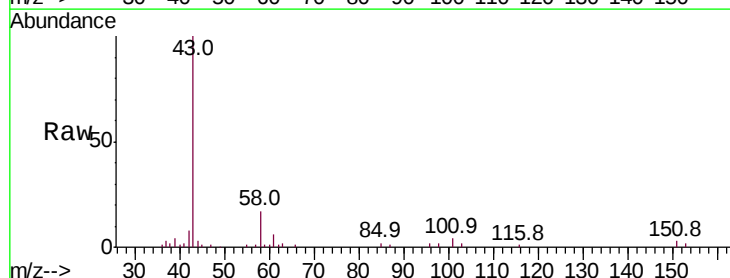
Acq: 8 Aug 2018 11:53

Tgt Ion: 43 Resp: 186956

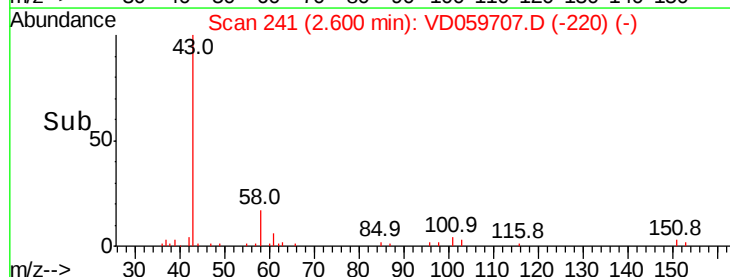
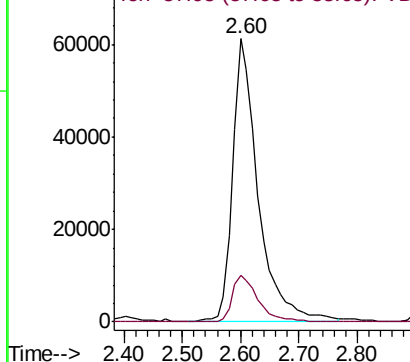
Ion Ratio Lower Upper

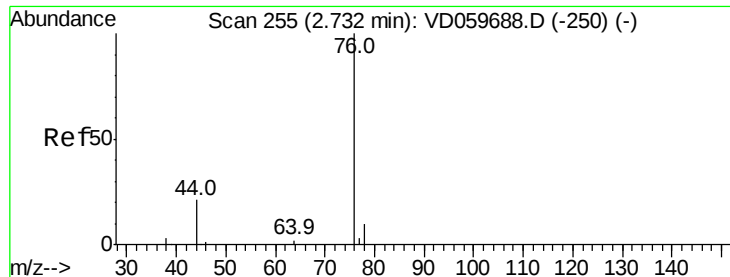
43 100

58 16.6 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: 69.264 ug/l

RT: 2.75 min Scan# 256

Delta R.T. 0.02 min

Lab File: VD059707.D

Acq: 8 Aug 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

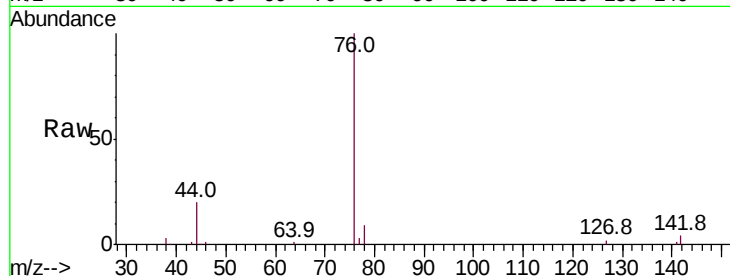
VSTDCCC050

Tot Ion: 76 Resp: 265360

Ion Ratio Lower Upper

76 100

78 9.3 7.7 11.5



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

2.75

120000

100000

80000

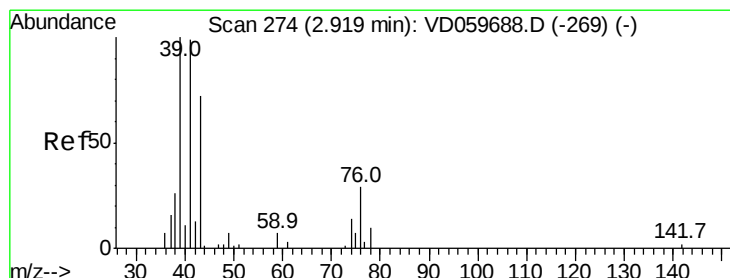
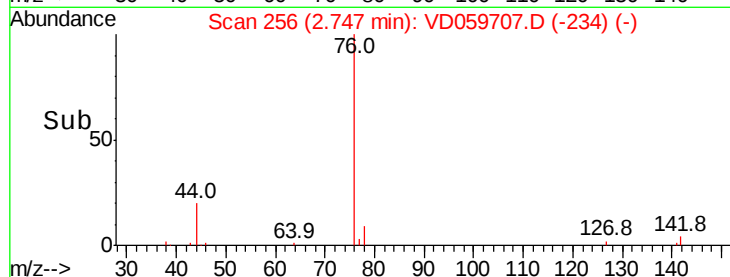
60000

40000

20000

0

Time--> 2.60 2.70 2.80 2.90



#18

Methyl Acetate

Concen: 59.631 ug/l

RT: 2.93 min Scan# 275

Delta R.T. 0.02 min

Lab File: VD059707.D

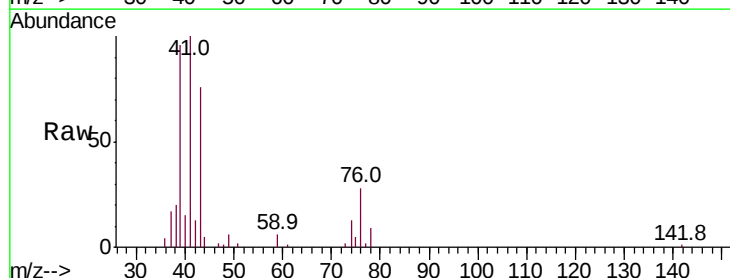
Acq: 8 Aug 2018 11:53

Tgt Ion: 43 Resp: 57484

Ion Ratio Lower Upper

43 100

74 16.8 15.7 23.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

2.93

20000

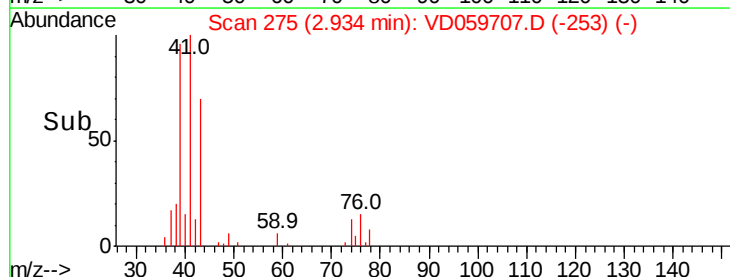
15000

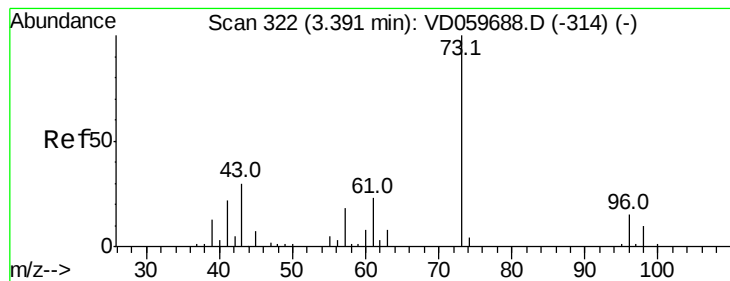
10000

5000

0

Time--> 2.80 2.90 3.00 3.10



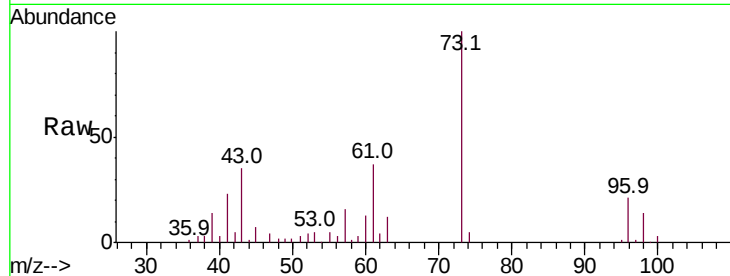


#19

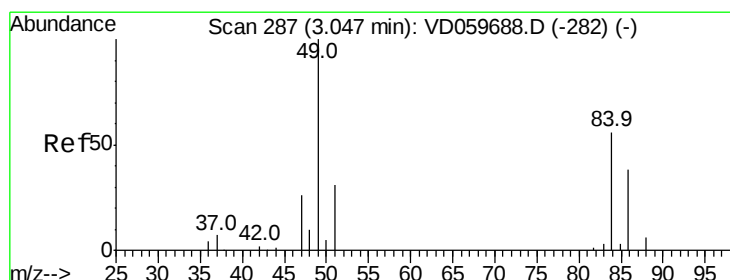
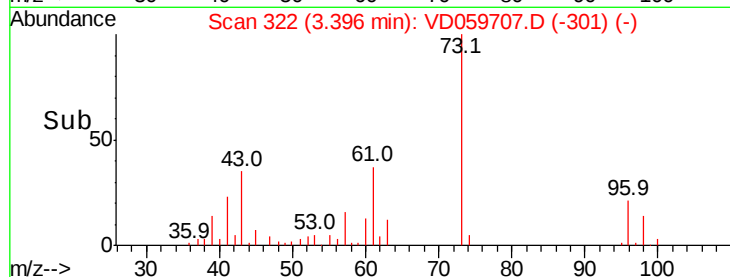
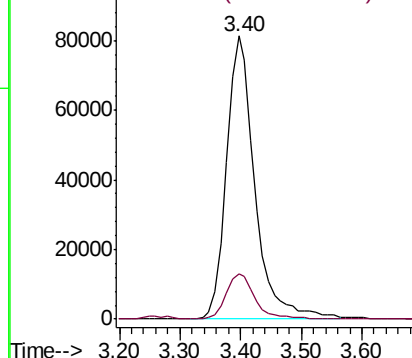
Methyl tert-butyl Ether
 Concen: 65.209 ug/l
 RT: 3.40 min Scan# 322
 Delta R.T. 0.01 min
 Lab File: VD059707.D
 Acq: 8 Aug 2018 11:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 73 Resp: 263890
 Ion Ratio Lower Upper
 73 100
 57 16.0 14.3 21.5



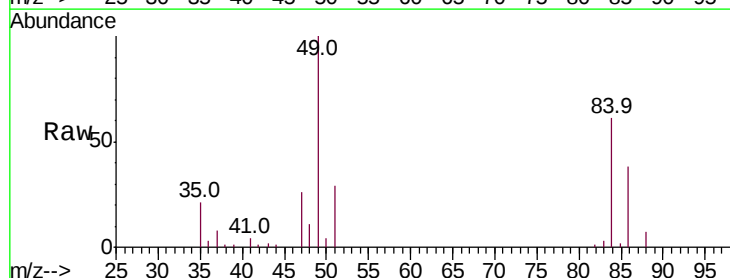
Abundance Ion 73.00 (72.70 to 73.70): VDC
 Ion 57.05 (56.75 to 57.75): VDC



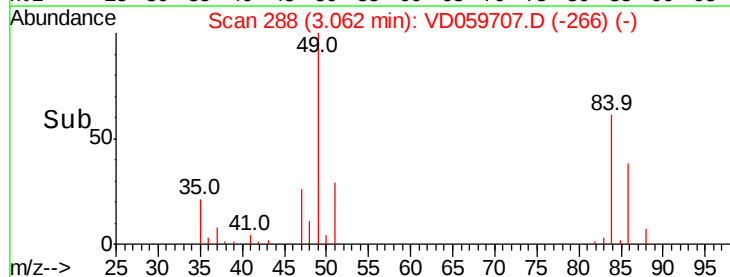
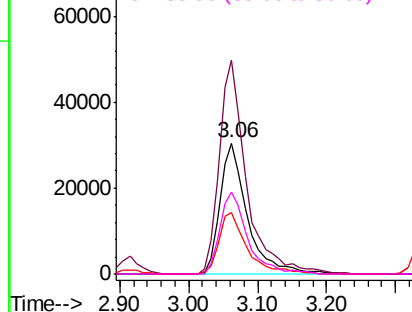
#20

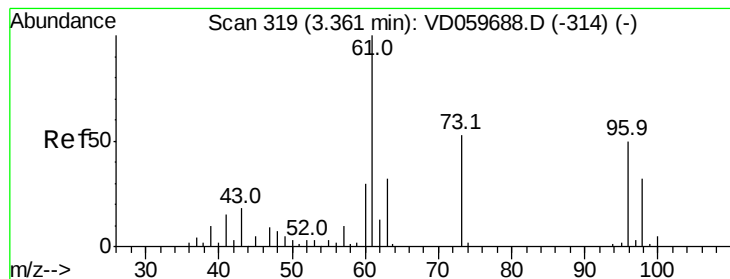
Methylene Chloride
 Concen: 61.737 ug/l
 RT: 3.06 min Scan# 288
 Delta R.T. 0.02 min
 Lab File: VD059707.D
 Acq: 8 Aug 2018 11:53

Tgt Ion: 84 Resp: 83624
 Ion Ratio Lower Upper
 84 100
 49 163.5 143.4 215.2
 51 47.5 44.2 66.4
 86 62.5 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: 63.603 ug/l

RT: 3.38 min Scan# 320

Delta R.T. 0.02 min

Lab File: VD059707.D

Acq: 8 Aug 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

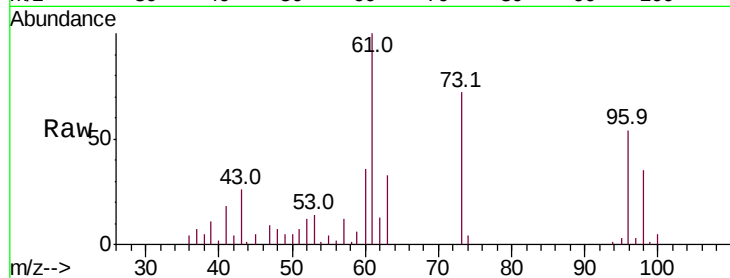
Tot Ion: 96 Resp: 88287

Ion Ratio Lower Upper

96 100

61 185.0 160.6 241.0

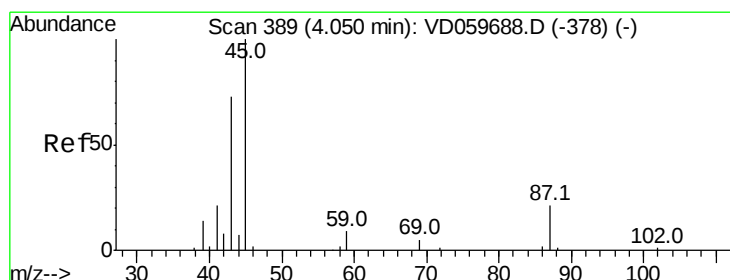
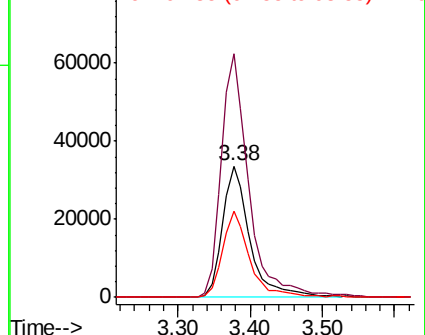
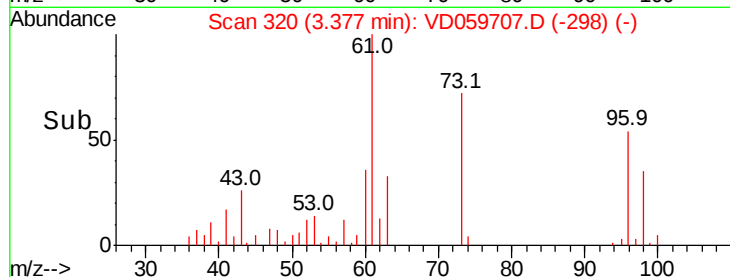
98 65.4 50.9 76.3



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: 52.539 ug/l

RT: 4.07 min Scan# 390

Delta R.T. 0.02 min

Lab File: VD059707.D

Acq: 8 Aug 2018 11:53

Tgt Ion: 45 Resp: 299883

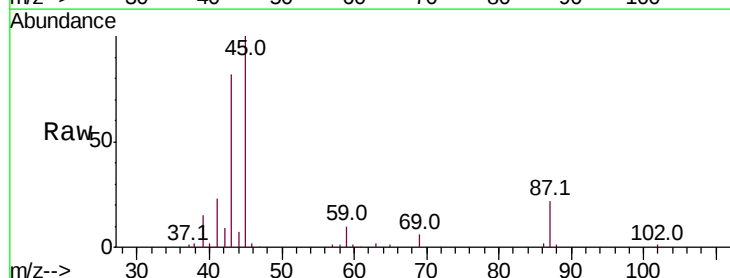
Ion Ratio Lower Upper

45 100

43 81.9 60.3 90.5

87 21.7 17.0 25.6

59 10.1 7.9 11.9

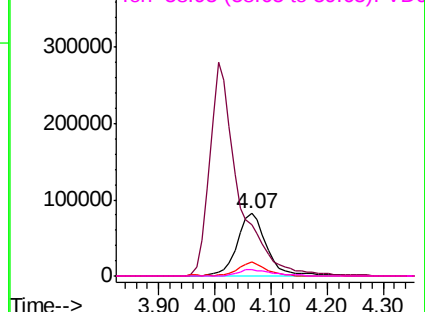
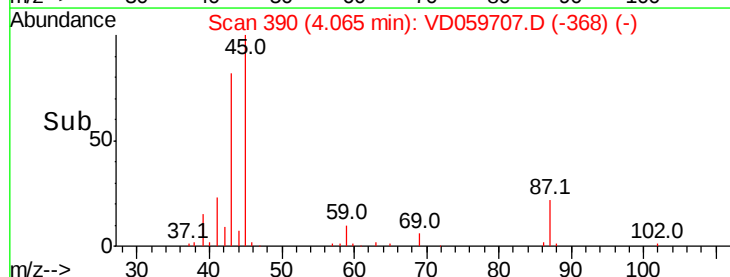


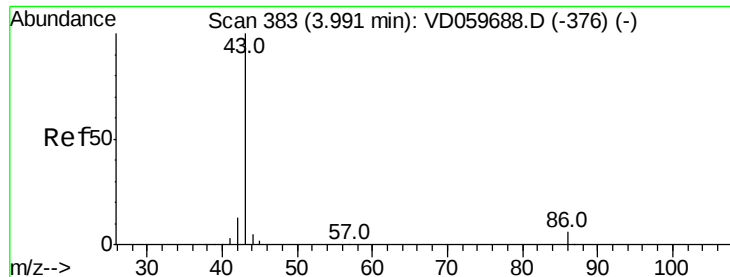
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 274.935 ug/l

RT: 4.01 min Scan# 384

Delta R.T. 0.02 min

Lab File: VD059707.D

Acq: 8 Aug 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

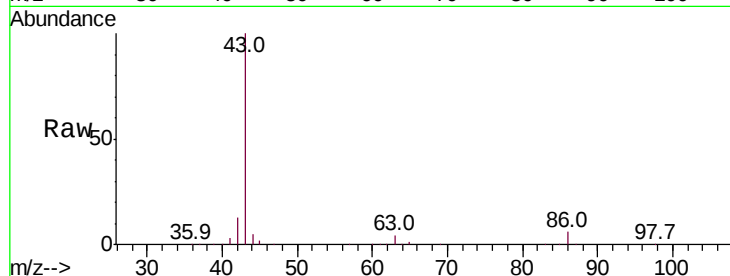
VSTDCCC050

Tot Ion: 43 Resp: 994895

Ion Ratio Lower Upper

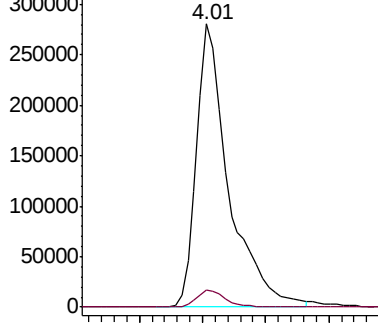
43 100

86 5.9 4.8 7.2

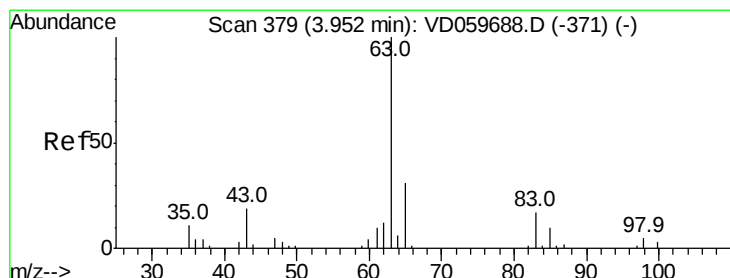
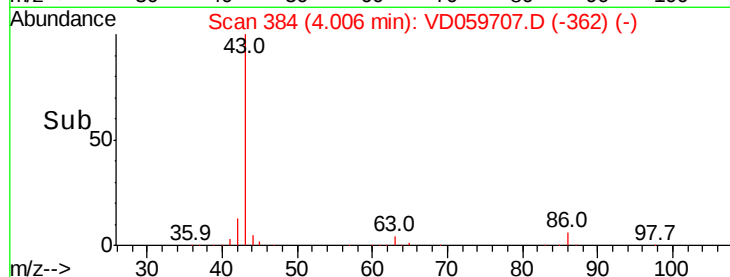


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



Time-->



#24

1,1-Dichloroethane

Concen: 52.989 ug/l

RT: 3.97 min Scan# 380

Delta R.T. 0.02 min

Lab File: VD059707.D

Acq: 8 Aug 2018 11:53

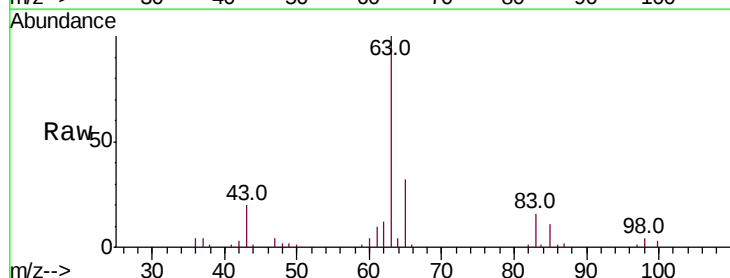
Tgt Ion: 63 Resp: 200182

Ion Ratio Lower Upper

63 100

98 4.2 2.4 7.1

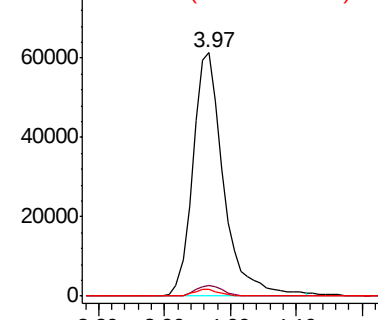
100 2.8 1.6 4.8



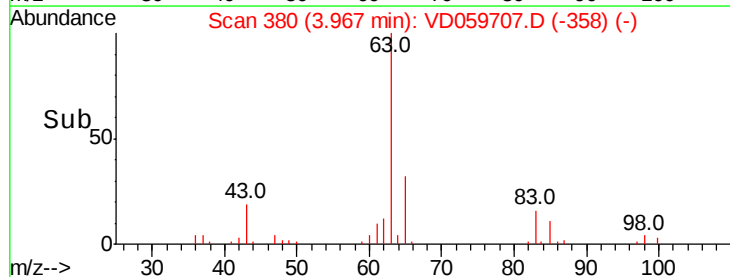
Abundance Ion 62.95 (62.65 to 63.65): VDC

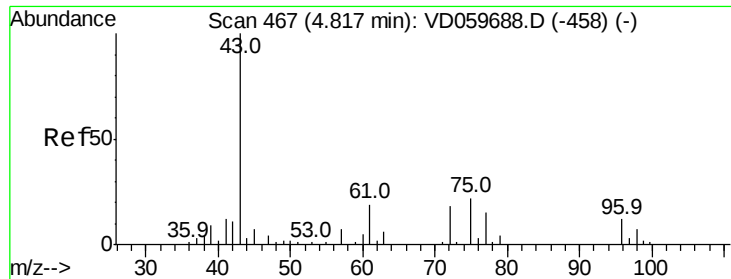
Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC



Time-->





#25

2-Butanone

Concen: 280.486 ug/l

RT: 4.83 min Scan# 468

Delta R.T. 0.02 min

Lab File: VD059707.D

Acq: 8 Aug 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

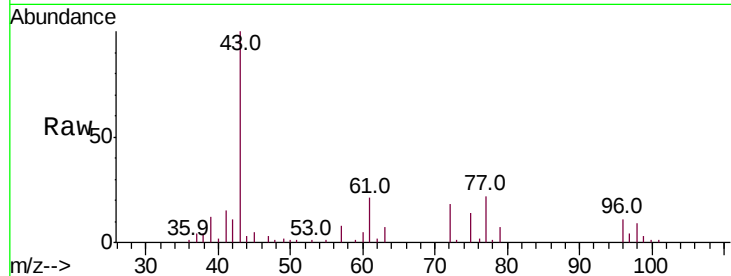
VSTDCCC050

Tot Ion: 43 Resp: 192192

Ion Ratio Lower Upper

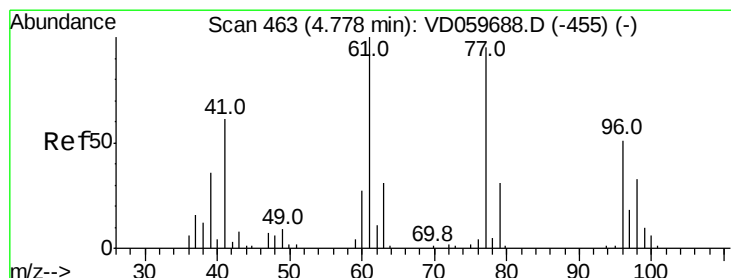
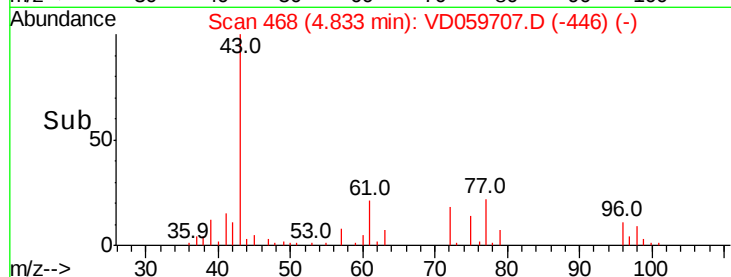
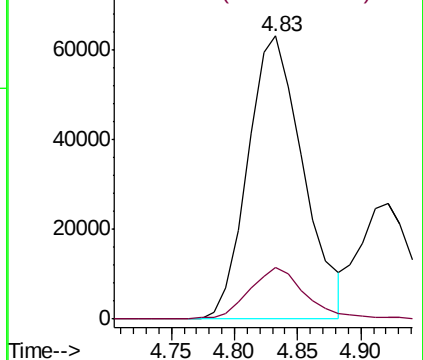
43 100

72 18.4 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: 57.700 ug/l

RT: 4.78 min Scan# 463

Delta R.T. 0.01 min

Lab File: VD059707.D

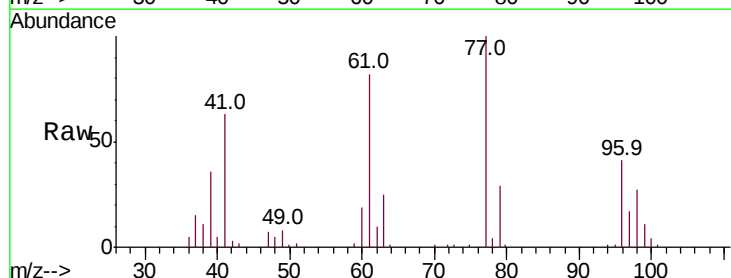
Acq: 8 Aug 2018 11:53

Tgt Ion: 77 Resp: 232788

Ion Ratio Lower Upper

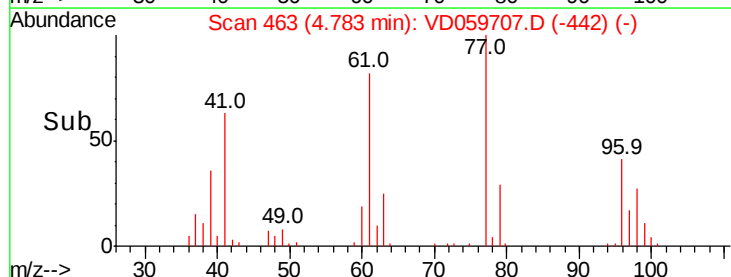
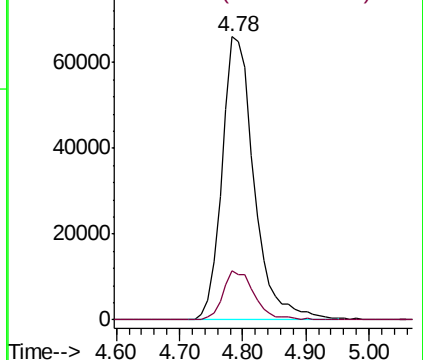
77 100

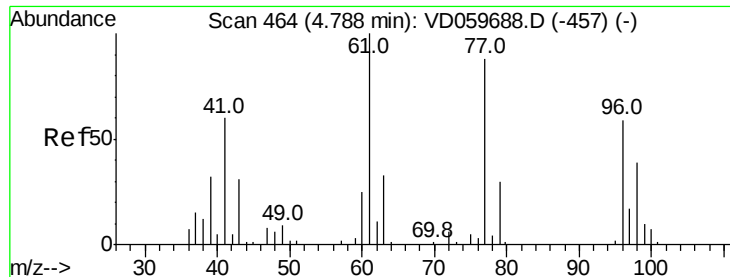
97 17.5 9.4 28.3



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

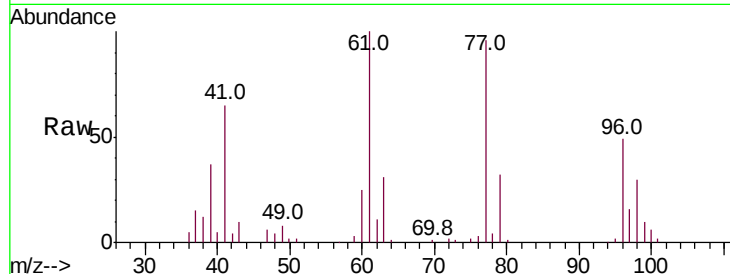




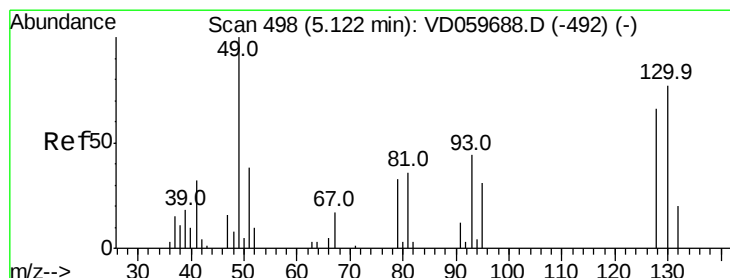
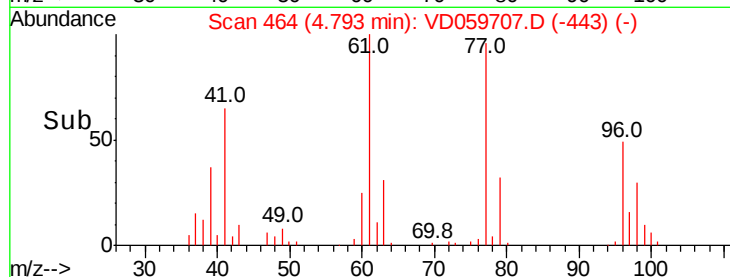
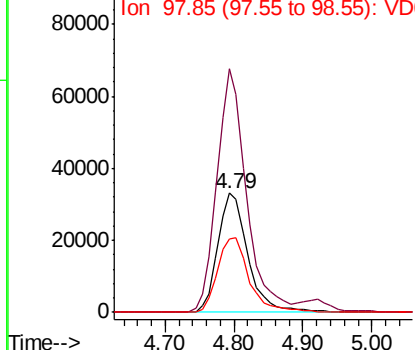
#27
 cis-1,2-Dichloroethene
 Concen: 49.760 ug/l
 RT: 4.79 min Scan# 464
 Delta R.T. 0.01 min
 Lab File: VD059707.D
 Acq: 8 Aug 2018 11:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 96 Resp: 100293
 Ion Ratio Lower Upper
 96 100
 61 203.9 0.0 341.6
 98 61.1 0.0 131.0

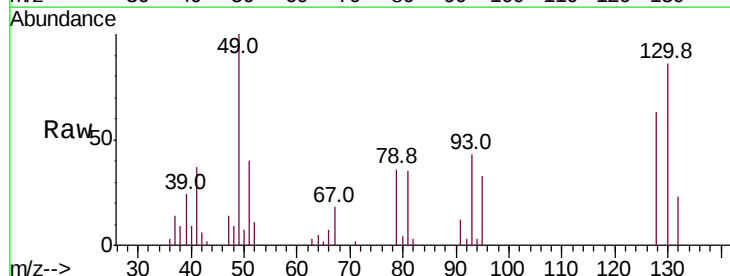


Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC

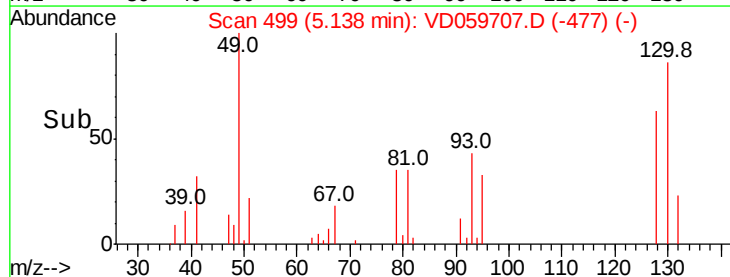
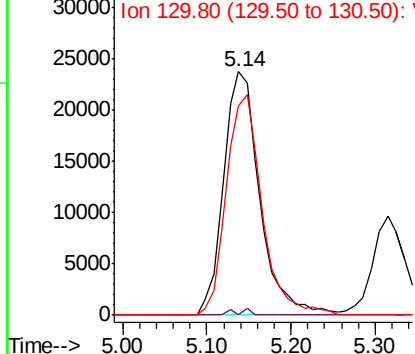


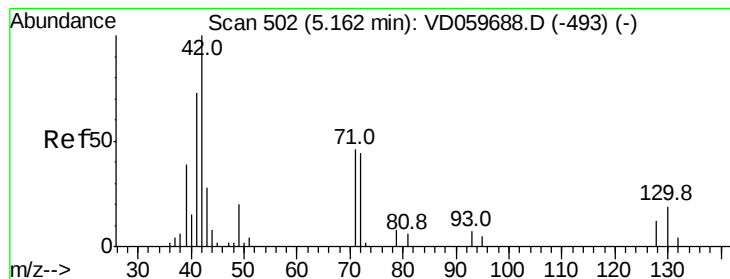
#28
 Bromochloromethane
 Concen: 50.975 ug/l
 RT: 5.14 min Scan# 499
 Delta R.T. 0.02 min
 Lab File: VD059707.D
 Acq: 8 Aug 2018 11:53

Tgt Ion: 49 Resp: 71098
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 0.0
 130 86.1 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: 271.565 ug/l

RT: 5.18 min Scan# 503

Delta R.T. 0.02 min

Lab File: VD059707.D

Acq: 8 Aug 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

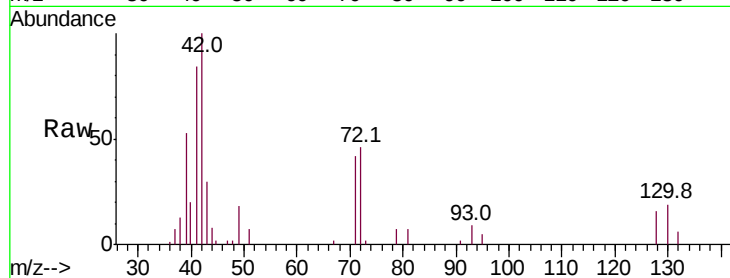
Tot Ion: 42 Resp: 72065

Ion Ratio Lower Upper

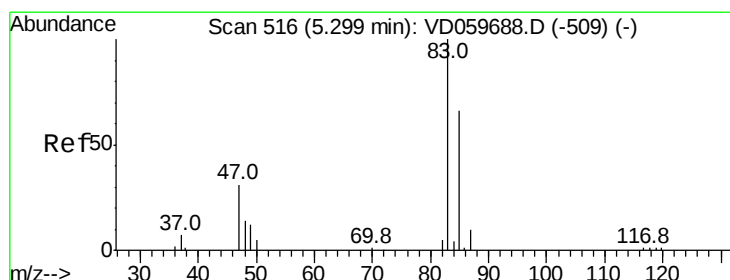
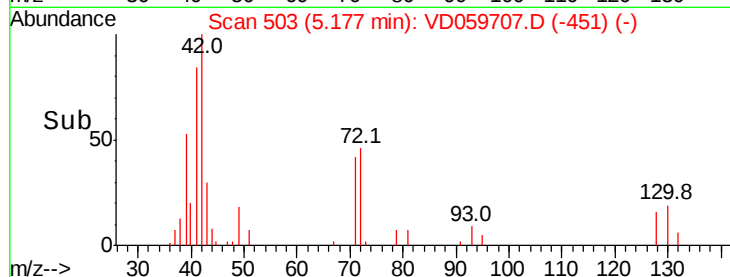
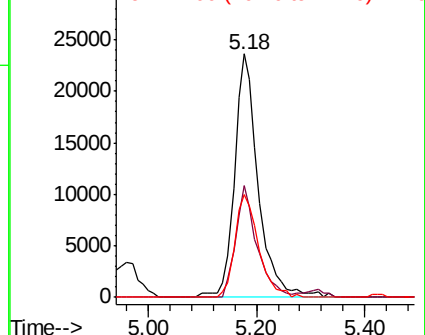
42 100

72 41.2 36.7 55.1

71 42.5 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: 54.798 ug/l

RT: 5.31 min Scan# 517

Delta R.T. 0.02 min

Lab File: VD059707.D

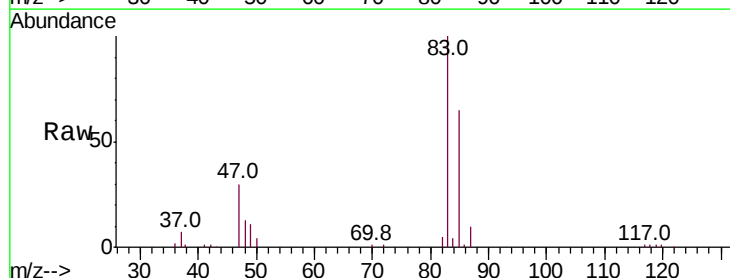
Acq: 8 Aug 2018 11:53

Tgt Ion: 83 Resp: 252339

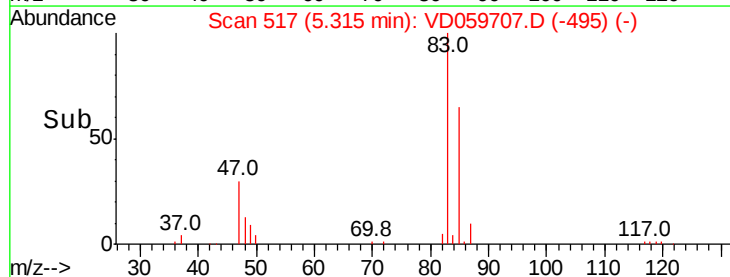
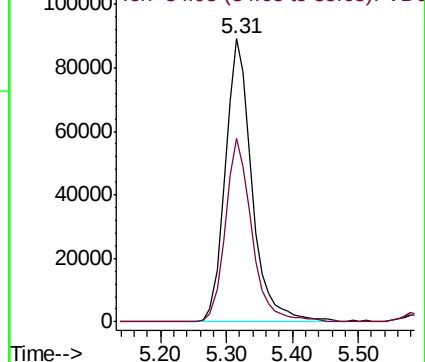
Ion Ratio Lower Upper

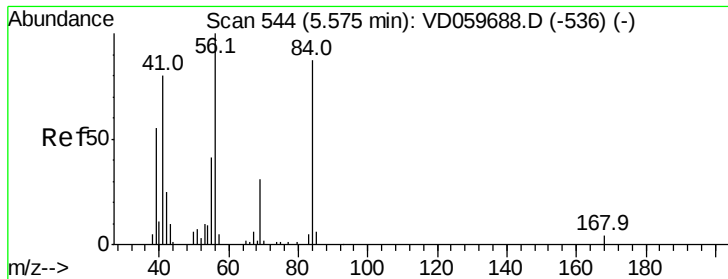
83 100

85 64.7 52.6 79.0



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

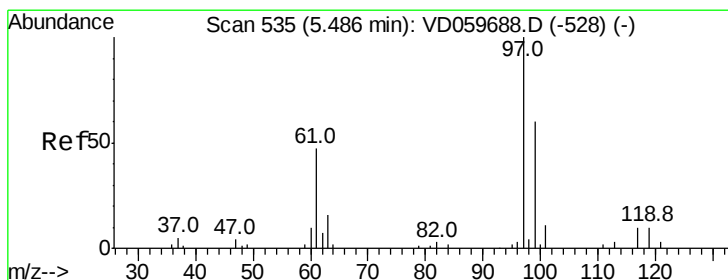
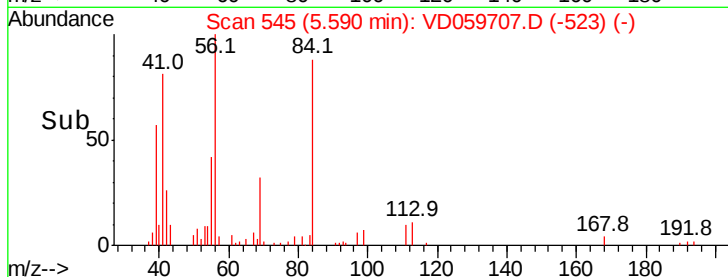
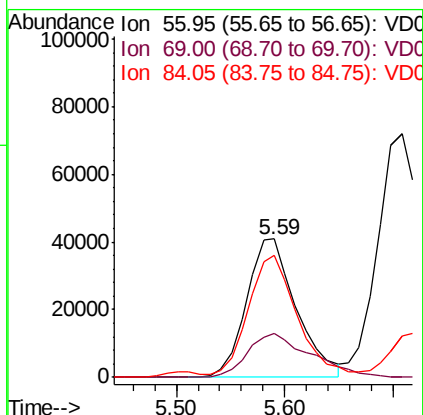
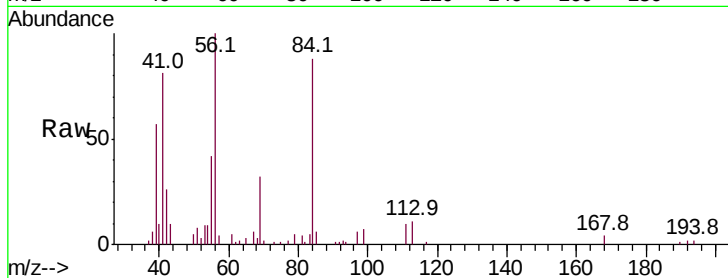




#31
Cyclohexane
Concen: 53.226 ug/l
RT: 5.59 min Scan# 545
Delta R.T. 0.02 min
Lab File: VD059707.D
Acq: 8 Aug 2018 11:53

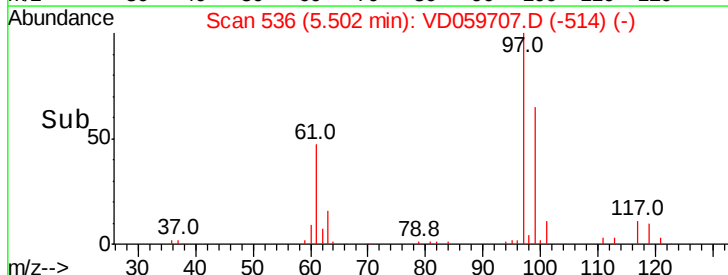
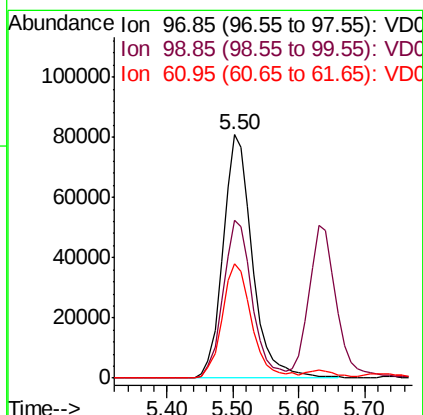
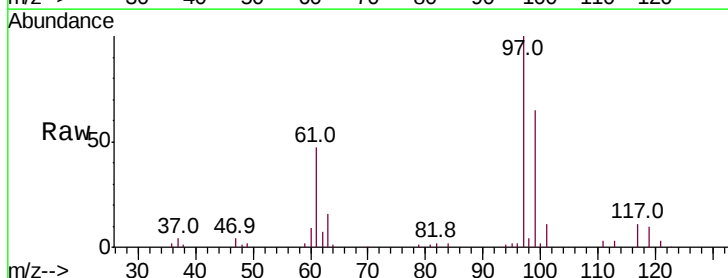
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

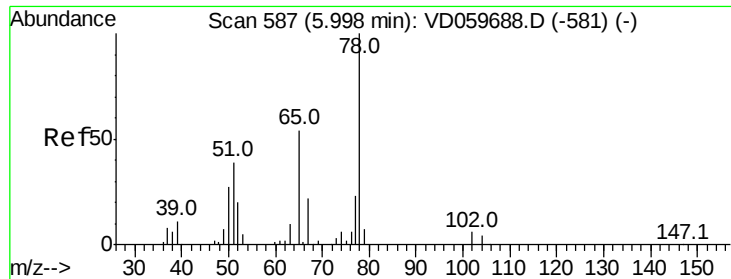
Tot Ion: 56 Resp: 131405
Ion Ratio Lower Upper
56 100
69 31.7 24.7 37.1
84 88.0 72.2 108.2



#32
1,1,1-Trichloroethane
Concen: 56.302 ug/l
RT: 5.50 min Scan# 536
Delta R.T. 0.02 min
Lab File: VD059707.D
Acq: 8 Aug 2018 11:53

Tgt Ion: 97 Resp: 252175
Ion Ratio Lower Upper
97 100
99 65.1 48.2 72.2
61 46.7 37.5 56.3





#33

1,2-Dichloroethane-d4

Concen: 56.302 ug/l

RT: 6.01 min Scan# 588

Delta R.T. 0.02 min

Lab File: VD059707.D

Acq: 8 Aug 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

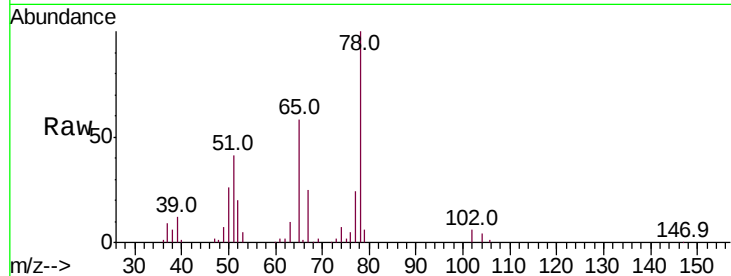
VSTDCCC050

Tot Ion: 65 Resp: 164461

Ion Ratio Lower Upper

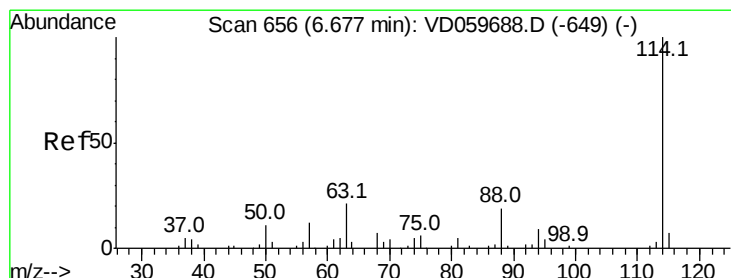
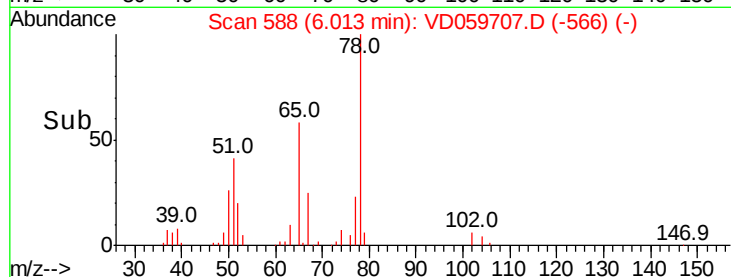
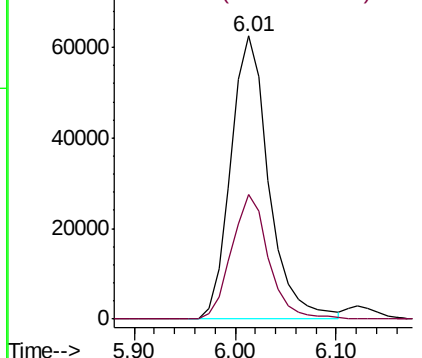
65 100

67 43.9 0.0 80.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.68 min Scan# 656

Delta R.T. 0.01 min

Lab File: VD059707.D

Acq: 8 Aug 2018 11:53

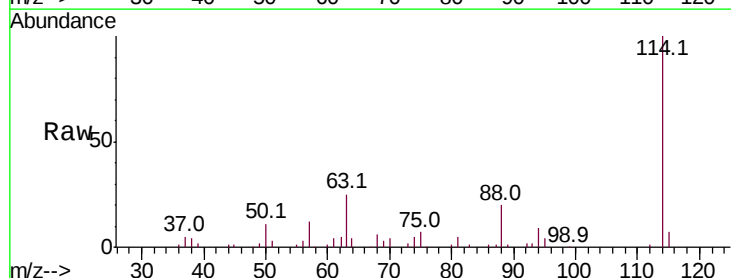
Tgt Ion:114 Resp: 277862

Ion Ratio Lower Upper

114 100

63 25.0 0.0 42.6

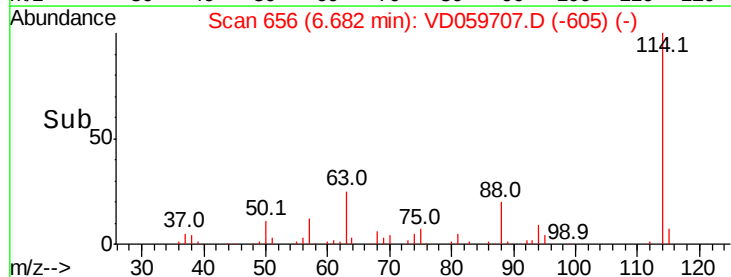
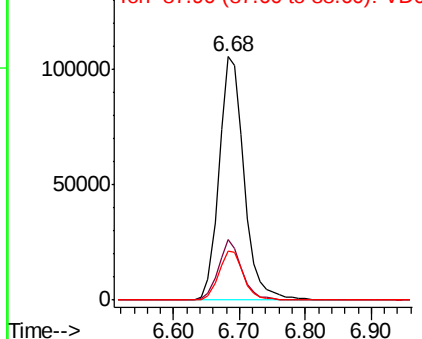
88 19.9 0.0 38.8

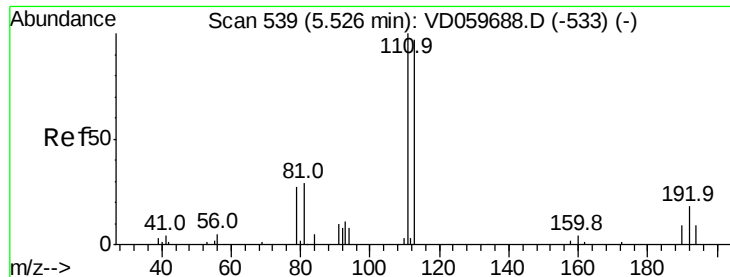


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

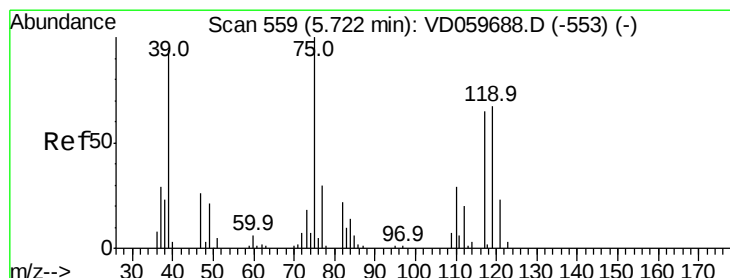
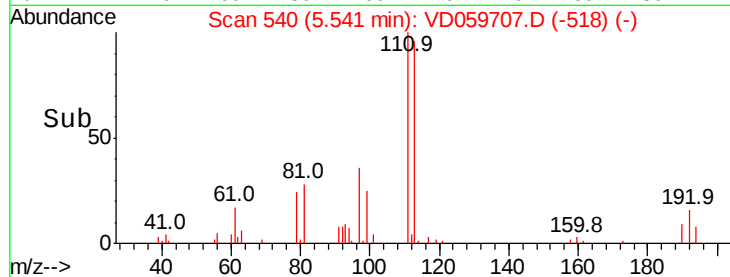
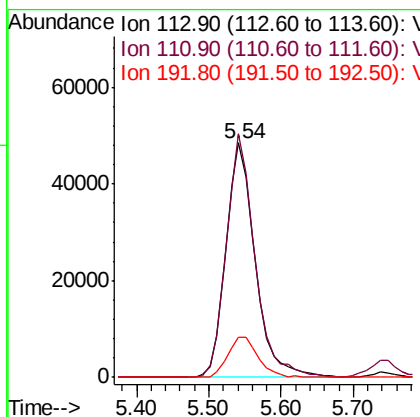
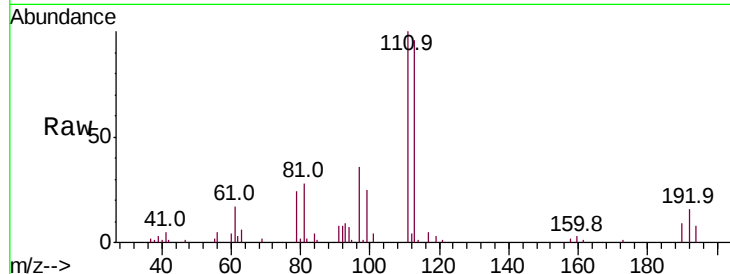




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.54 min Scan# 540
 Delta R.T. 0.02 min
 Lab File: VD059707.D
 Acq: 8 Aug 2018 11:53

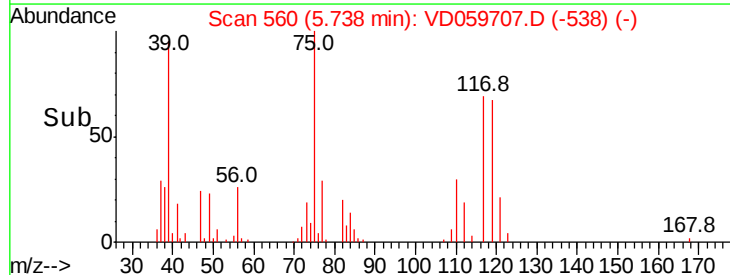
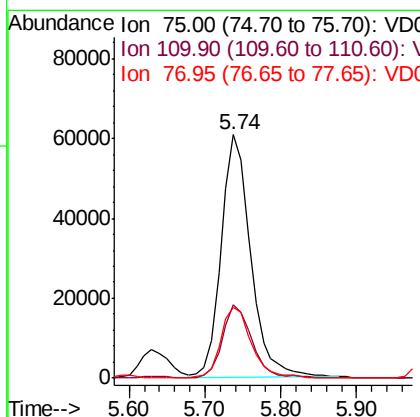
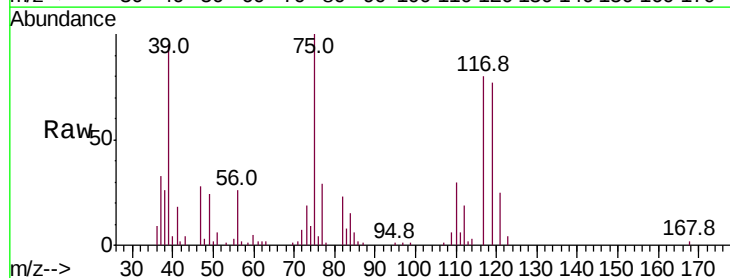
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

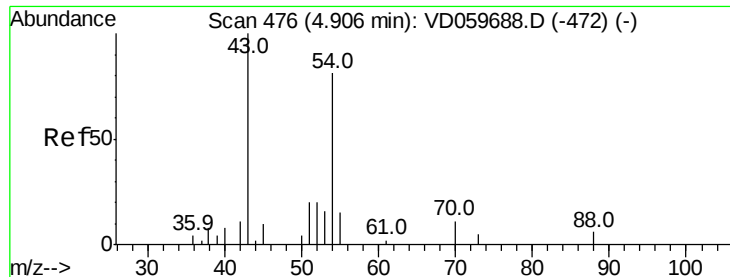
Tot Ion:113 Resp: 136366
 Ion Ratio Lower Upper
 113 100
 111 103.8 82.8 124.2
 192 17.1 14.6 22.0



#36
 1,1-Dichloropropene
 Concen: 53.220 ug/l
 RT: 5.74 min Scan# 560
 Delta R.T. 0.02 min
 Lab File: VD059707.D
 Acq: 8 Aug 2018 11:53

Tgt Ion: 75 Resp: 164404
 Ion Ratio Lower Upper
 75 100
 110 30.2 14.1 42.3
 77 28.9 23.9 35.9

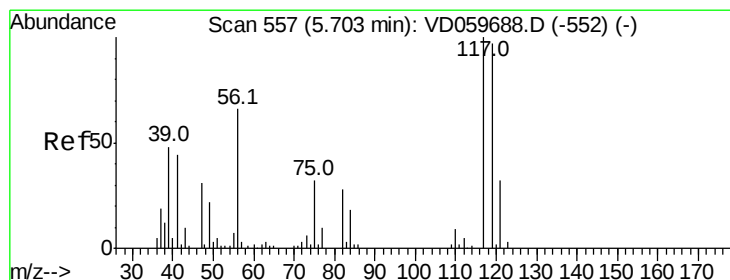
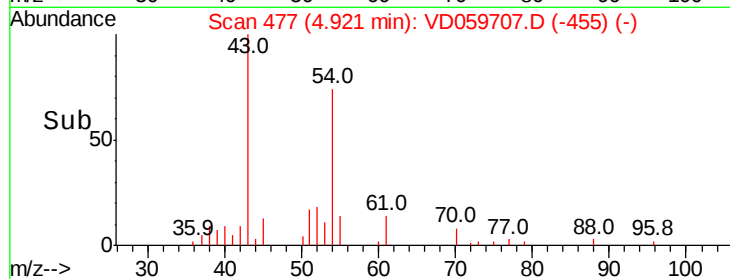
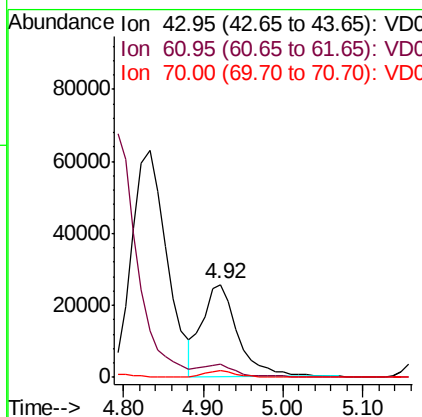
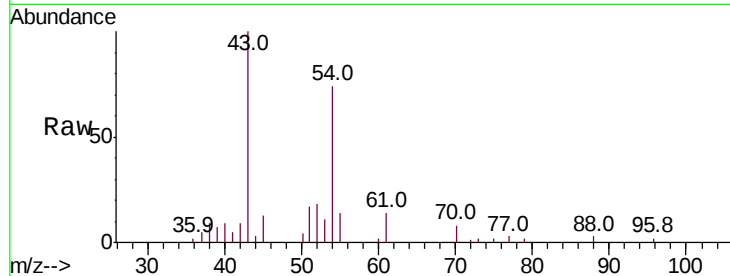




#37
Ethyl Acetate
Concen: 53.083 ug/l
RT: 4.92 min Scan# 477
Delta R.T. 0.02 min
Lab File: VD059707.D
Acq: 8 Aug 2018 11:53

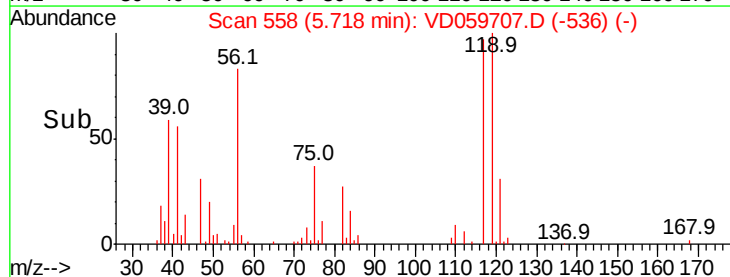
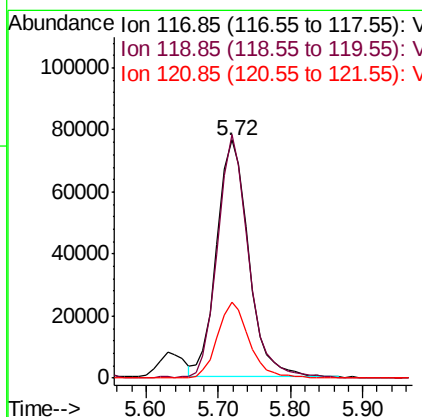
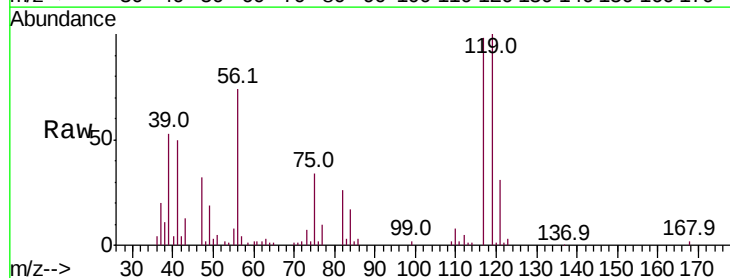
Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

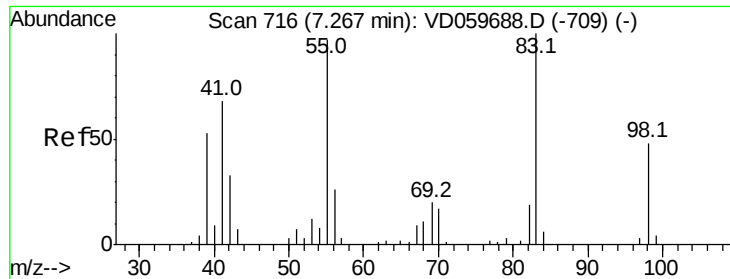
Tot Ion: 43 Resp: 79619
Ion Ratio Lower Upper
43 100
61 13.6 10.1 15.1
70 7.8 5.4 8.2



#38
Carbon Tetrachloride
Concen: 56.813 ug/l
RT: 5.72 min Scan# 558
Delta R.T. 0.02 min
Lab File: VD059707.D
Acq: 8 Aug 2018 11:53

Tgt Ion: 117 Resp: 234864
Ion Ratio Lower Upper
117 100
119 102.2 75.3 112.9
121 31.8 24.4 36.6

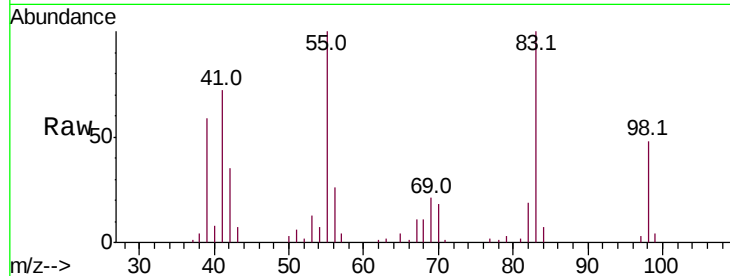




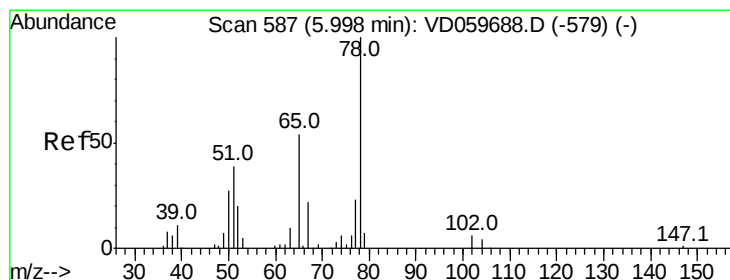
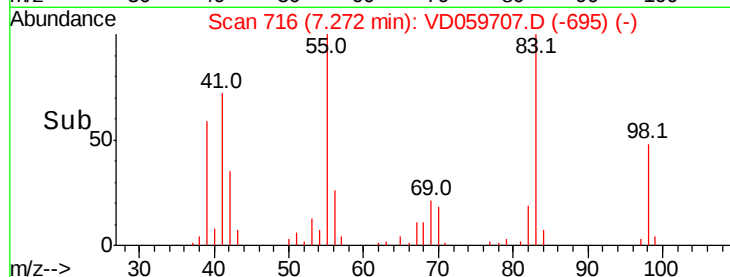
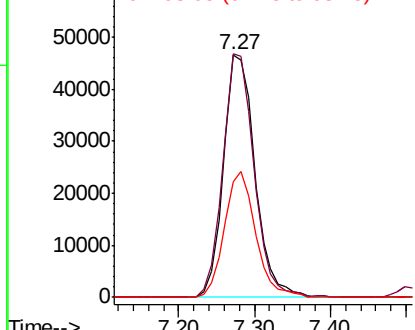
#39
Methylcyclohexane
Concen: 51.211 ug/l
RT: 7.27 min Scan# 716
Delta R.T. 0.01 min
Lab File: VD059707.D
Acq: 8 Aug 2018 11:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 133695
Ion Ratio Lower Upper
83 100
55 100.3 77.7 116.5
98 47.8 38.7 58.1

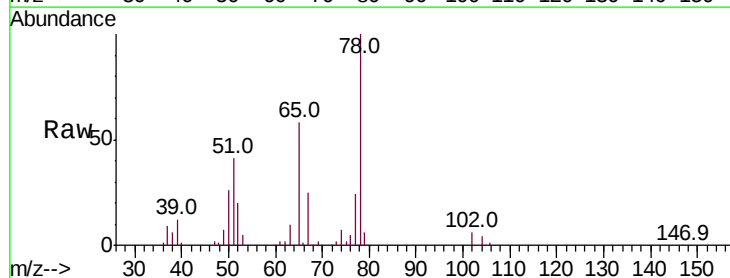


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

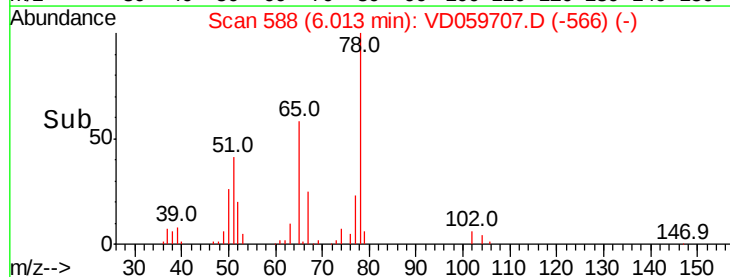
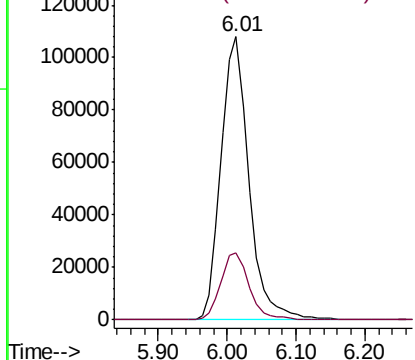


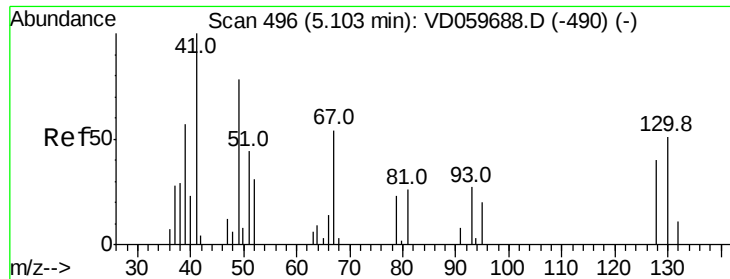
#40
Benzene
Concen: 50.740 ug/l
RT: 6.01 min Scan# 588
Delta R.T. 0.02 min
Lab File: VD059707.D
Acq: 8 Aug 2018 11:53

Tgt Ion: 78 Resp: 303990
Ion Ratio Lower Upper
78 100
77 23.6 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: 56.386 ug/l

RT: 5.12 min Scan# 497

Delta R.T. 0.02 min

Lab File: VD059707.D

Acq: 8 Aug 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 39542

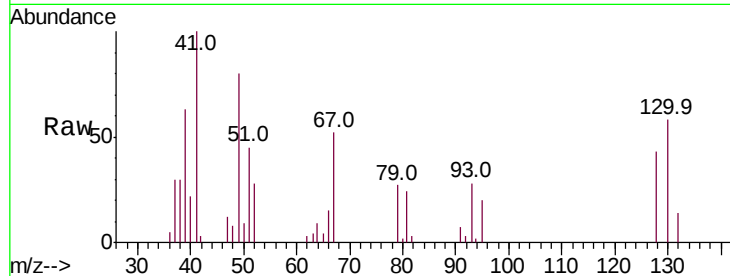
Ion Ratio Lower Upper

41 100

39 62.7 45.8 68.8

67 51.7 43.4 65.2

52 27.6 24.6 37.0

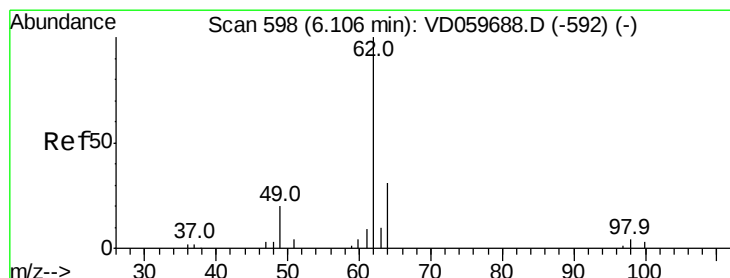
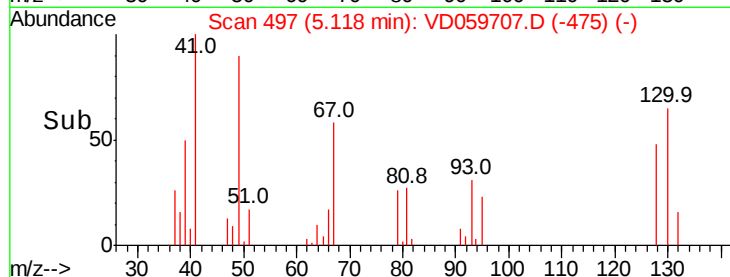
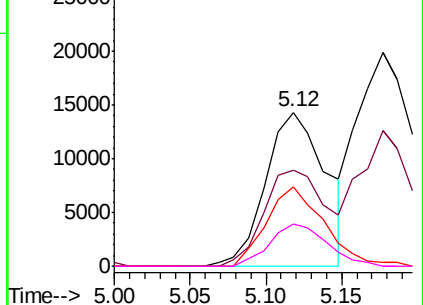


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 58.362 ug/l

RT: 6.12 min Scan# 599

Delta R.T. 0.02 min

Lab File: VD059707.D

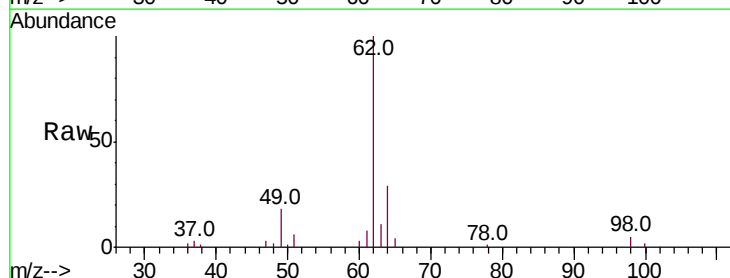
Acq: 8 Aug 2018 11:53

Tgt Ion: 62 Resp: 216159

Ion Ratio Lower Upper

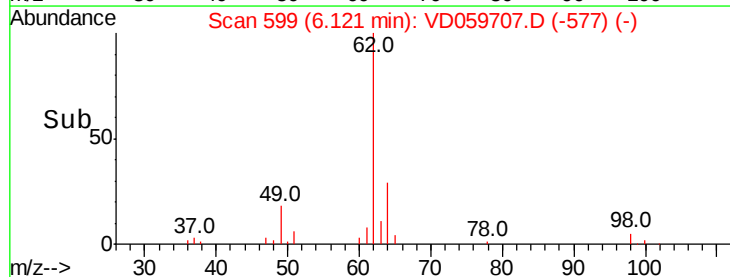
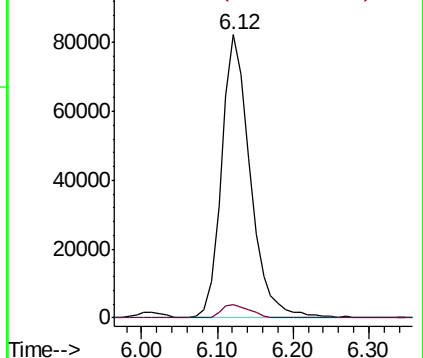
62 100

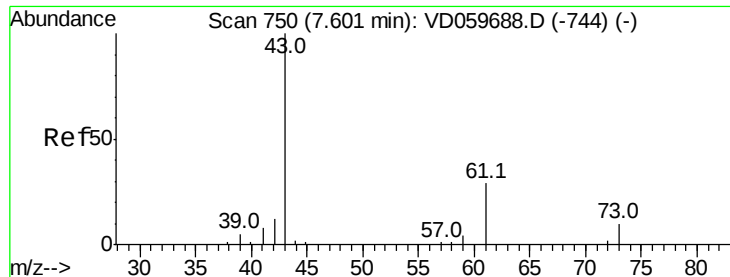
98 4.6 0.0 8.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 51.094 ug/l

RT: 7.62 min Scan# 751

Delta R.T. 0.02 min

Lab File: VD059707.D

Acq: 8 Aug 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

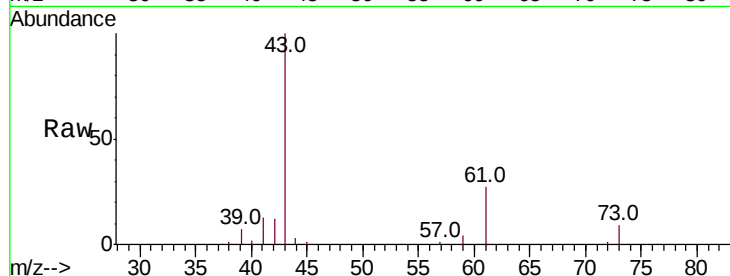
Tot Ion: 43 Resp: 100164

Ion Ratio Lower Upper

43 100

61 27.2 22.9 34.3

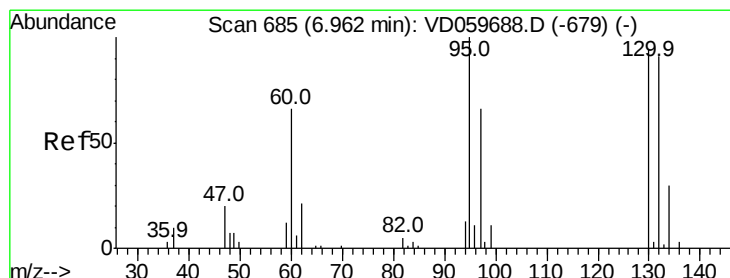
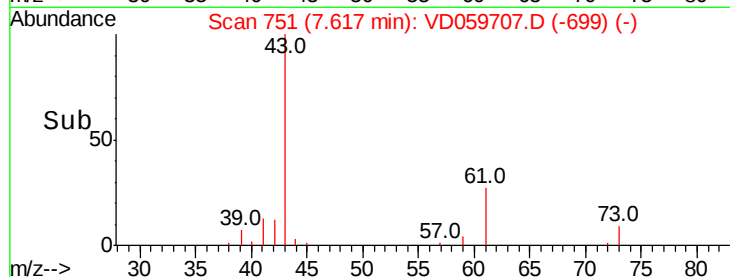
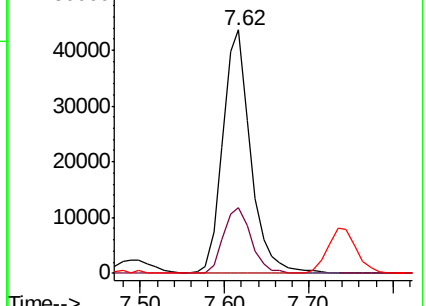
87 0.0 0.0 0.0



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: 53.681 ug/l

RT: 6.98 min Scan# 686

Delta R.T. 0.02 min

Lab File: VD059707.D

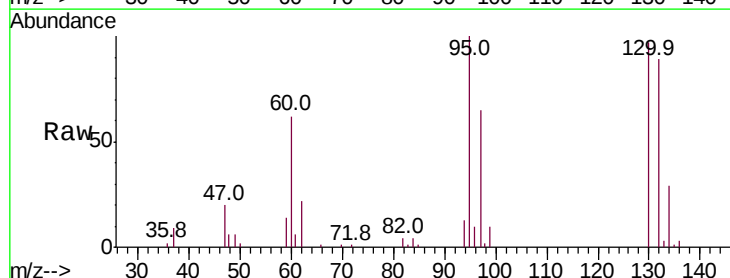
Acq: 8 Aug 2018 11:53

Tgt Ion: 130 Resp: 117498

Ion Ratio Lower Upper

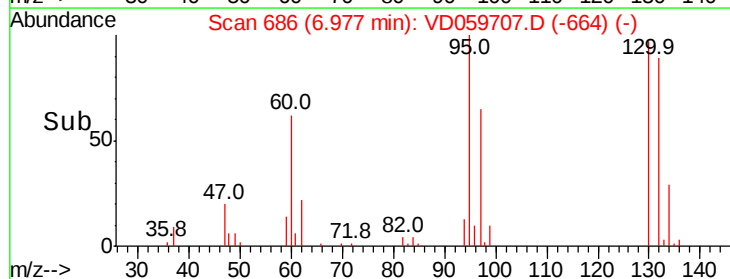
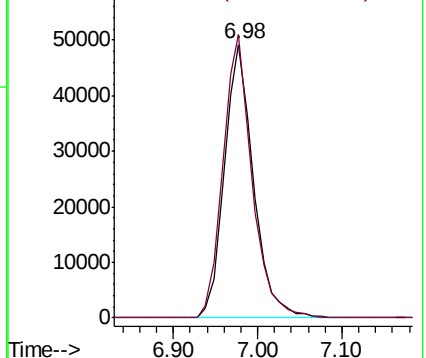
130 100

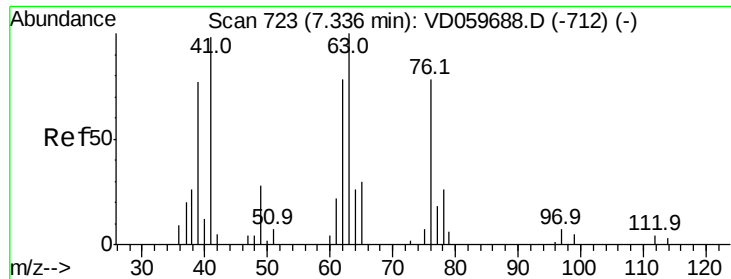
95 103.5 0.0 212.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 52.767 ug/l

RT: 7.34 min Scan# 723

Delta R.T. 0.01 min

Lab File: VD059707.D

Acq: 8 Aug 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

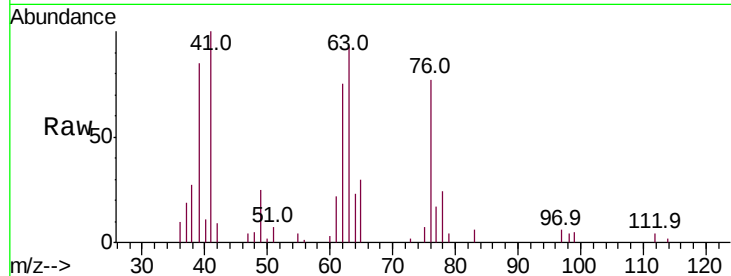
VSTDCCC050

Tot Ion: 63 Resp: 83476

Ion Ratio Lower Upper

63 100

65 32.6 24.2 36.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

7.34

30000

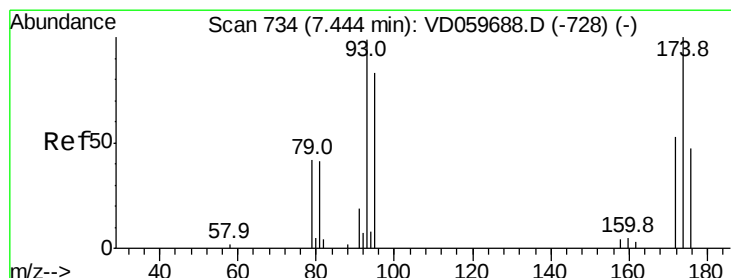
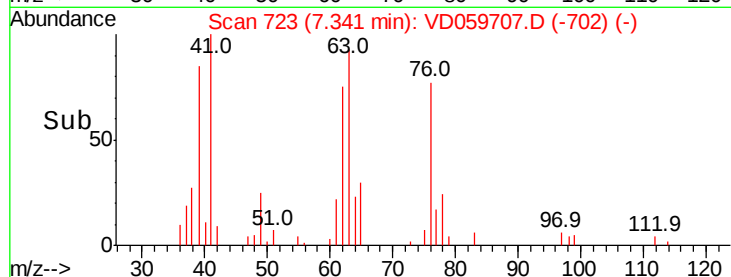
20000

10000

0

Time-->

7.20 7.30 7.40 7.50



#46

Dibromomethane

Concen: 52.106 ug/l

RT: 7.46 min Scan# 735

Delta R.T. 0.02 min

Lab File: VD059707.D

Acq: 8 Aug 2018 11:53

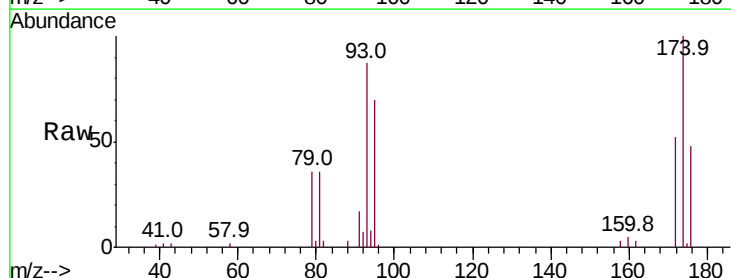
Tgt Ion: 93 Resp: 71432

Ion Ratio Lower Upper

93 100

95 80.7 66.6 100.0

174 115.0 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

40000

30000

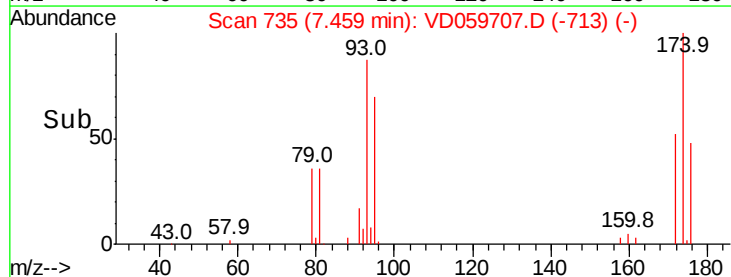
20000

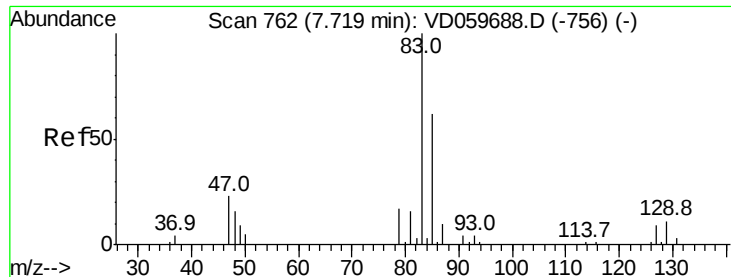
10000

0

Time-->

7.40 7.50 7.60





#47

Bromodichloromethane

Concen: 53.025 ug/l

RT: 7.74 min Scan# 764

Delta R.T. 0.03 min

Lab File: VD059707.D

Acq: 8 Aug 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

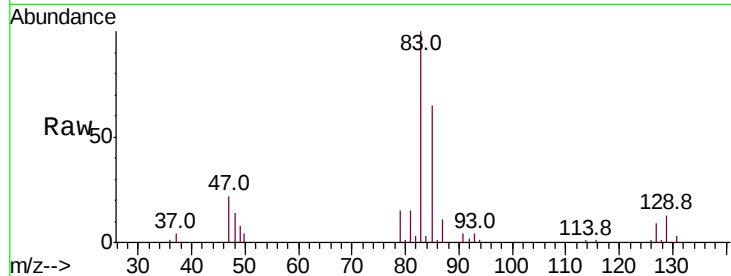
Tot Ion: 83 Resp: 185147

Ion Ratio Lower Upper

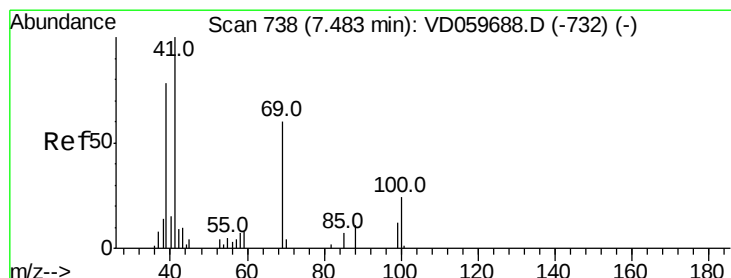
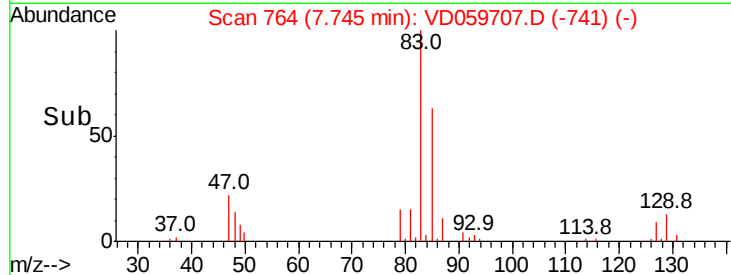
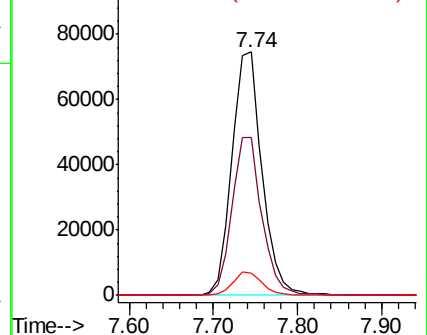
83 100

85 64.8 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: 57.214 ug/l

RT: 7.50 min Scan# 739

Delta R.T. 0.02 min

Lab File: VD059707.D

Acq: 8 Aug 2018 11:53

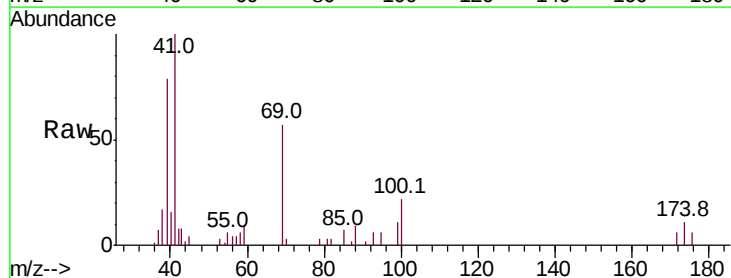
Tgt Ion: 41 Resp: 74032

Ion Ratio Lower Upper

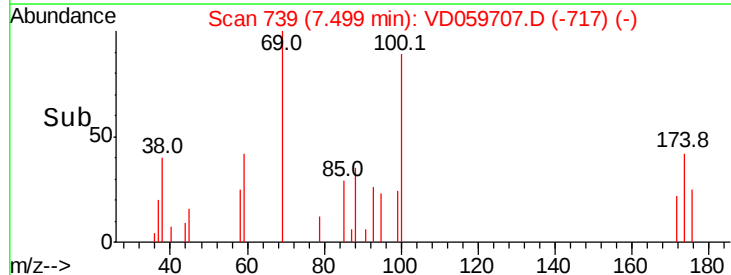
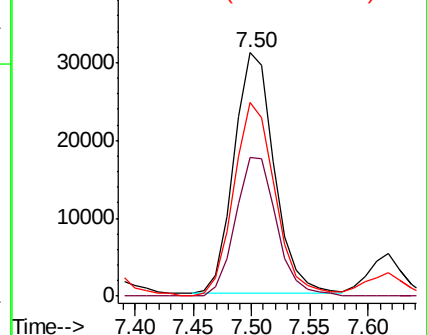
41 100

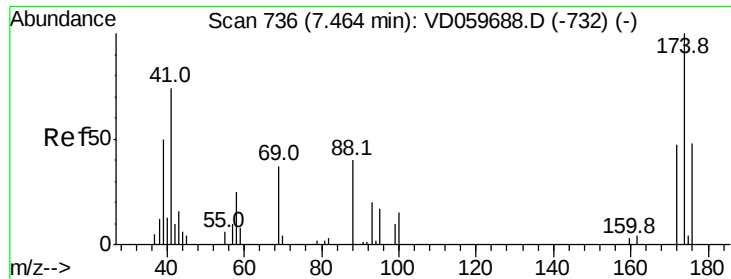
69 57.1 47.3 70.9

39 79.4 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: 976.695 ug/l

RT: 7.49 min Scan# 738

Delta R.T. 0.03 min

Lab File: VD059707.D

Acq: 8 Aug 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

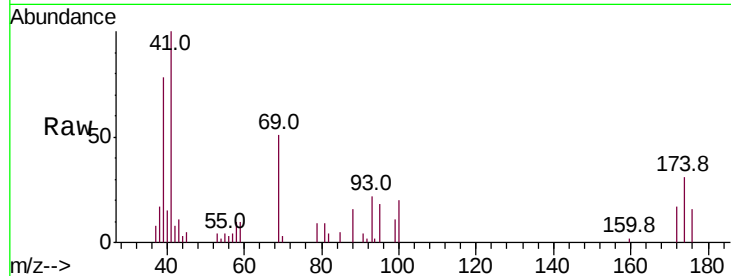
Tot Ion: 88 Resp: 11012

Ion Ratio Lower Upper

88 100

43 65.6 32.2 48.2#

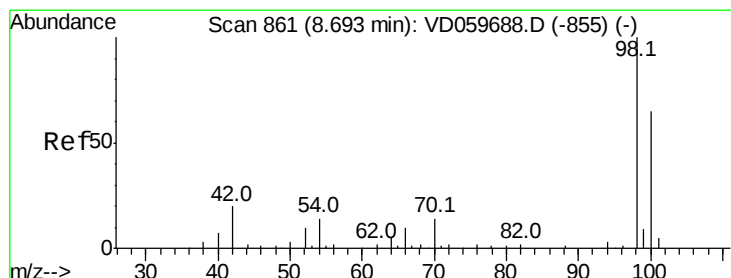
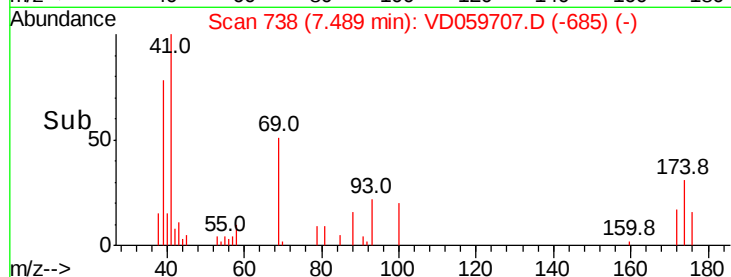
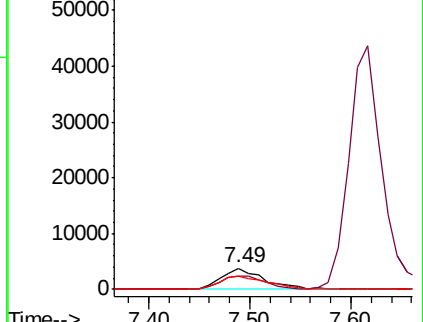
58 60.0 51.5 77.3



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: 976.695 ug/l

RT: 8.71 min Scan# 862

Delta R.T. 0.02 min

Lab File: VD059707.D

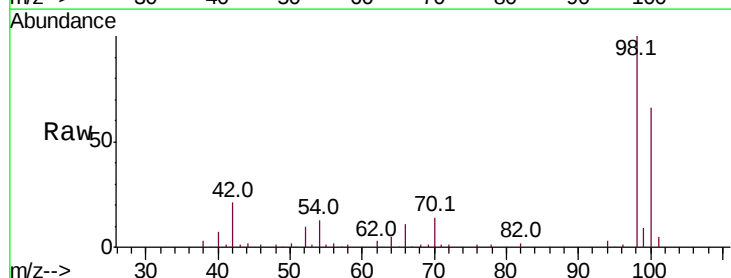
Acq: 8 Aug 2018 11:53

Tgt Ion: 98 Resp: 296051

Ion Ratio Lower Upper

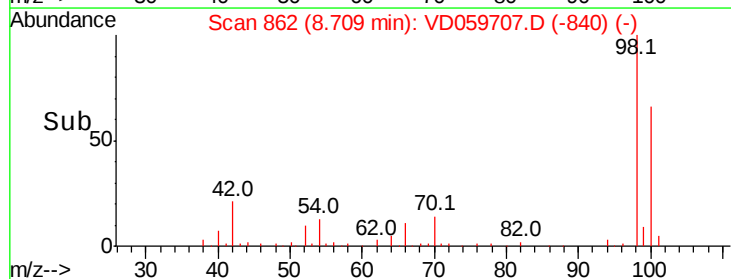
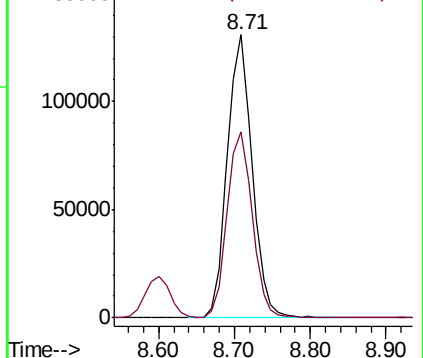
98 100

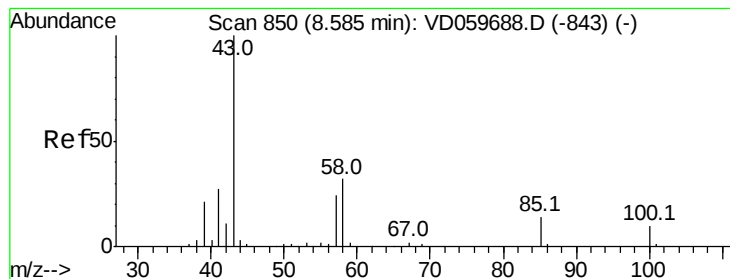
100 65.7 52.5 78.7



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: 294.609 ug/l

RT: 8.60 min Scan# 851

Delta R.T. 0.02 min

Lab File: VD059707.D

Acq: 8 Aug 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

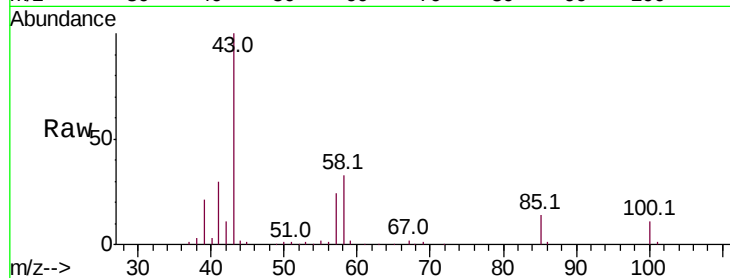
VSTDCCC050

Tot Ion: 43 Resp: 421202

Ion Ratio Lower Upper

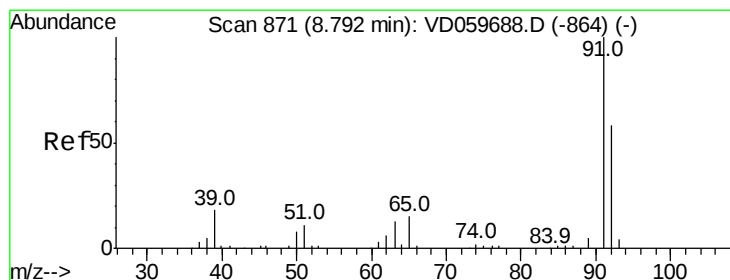
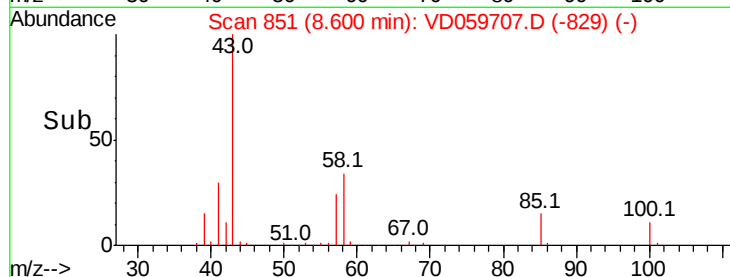
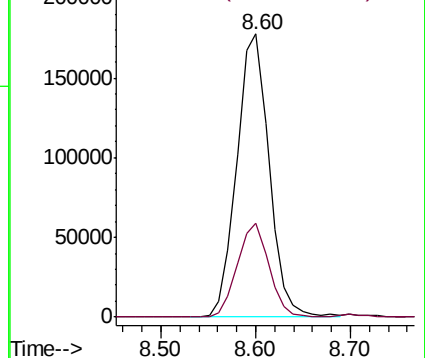
43 100

58 33.2 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: 52.427 ug/l

RT: 8.80 min Scan# 871

Delta R.T. 0.01 min

Lab File: VD059707.D

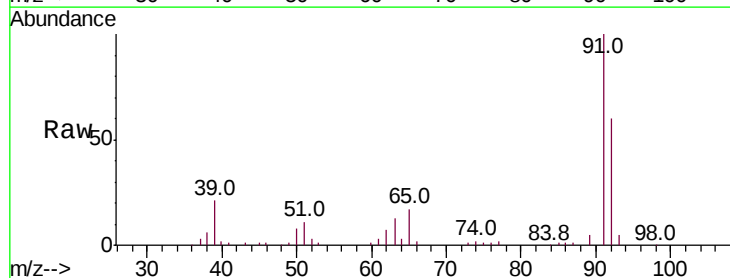
Acq: 8 Aug 2018 11:53

Tgt Ion: 92 Resp: 200359

Ion Ratio Lower Upper

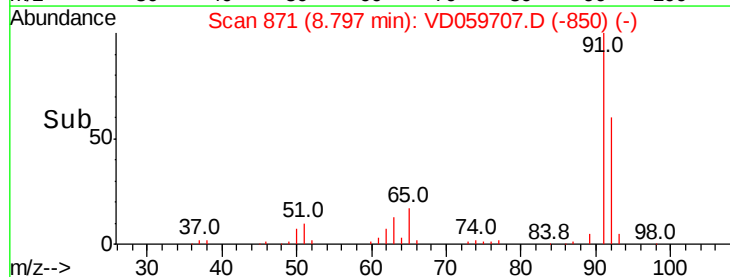
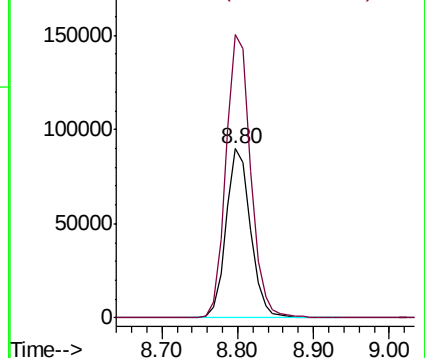
92 100

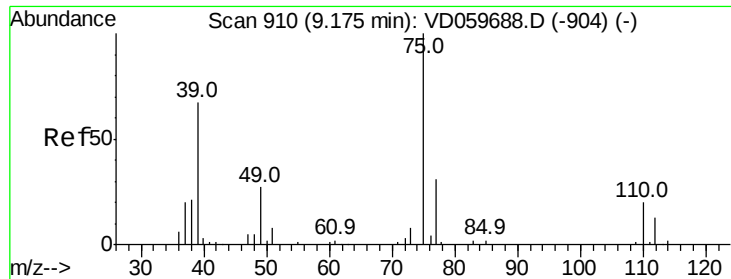
91 167.1 137.0 205.6



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: 56.241 ug/l

RT: 9.18 min Scan# 910

Delta R.T. 0.01 min

Lab File: VD059707.D

Acq: 8 Aug 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

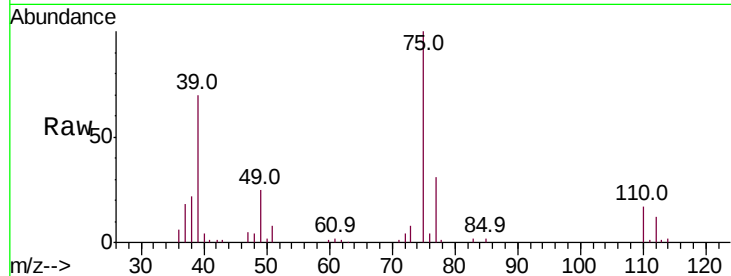
VSTDCCC050

Tot Ion: 75 Resp: 166141

Ion Ratio Lower Upper

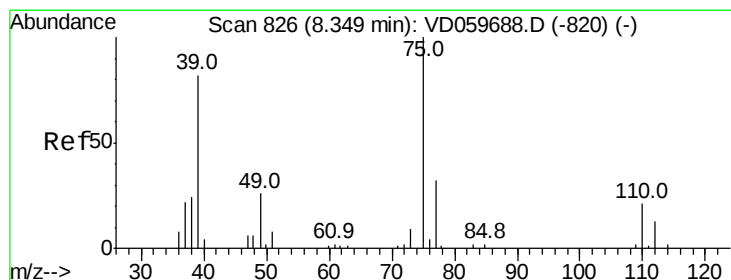
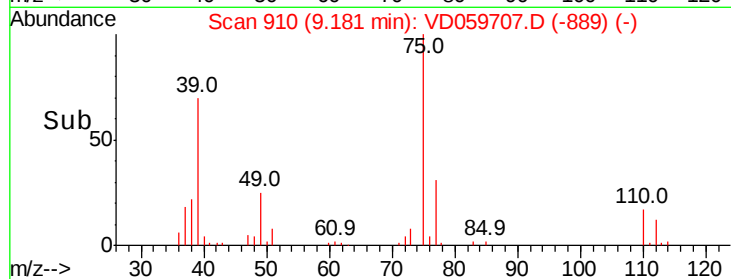
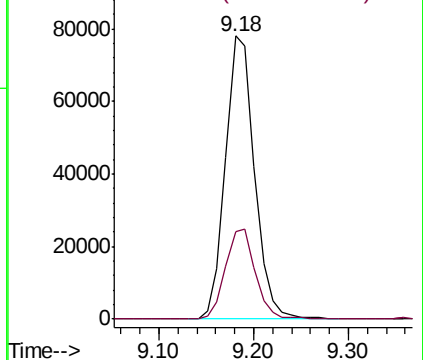
75 100

77 31.0 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: 52.282 ug/l

RT: 8.35 min Scan# 826

Delta R.T. 0.01 min

Lab File: VD059707.D

Acq: 8 Aug 2018 11:53

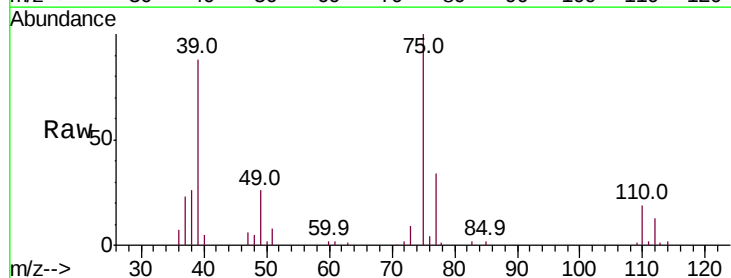
Tgt Ion: 75 Resp: 159080

Ion Ratio Lower Upper

75 100

77 34.0 25.5 38.3

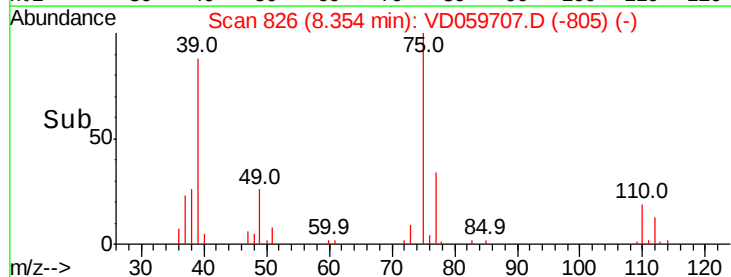
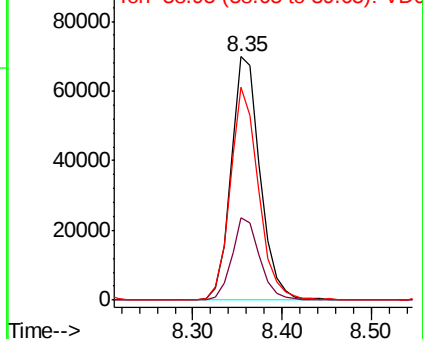
39 87.7 65.4 98.2

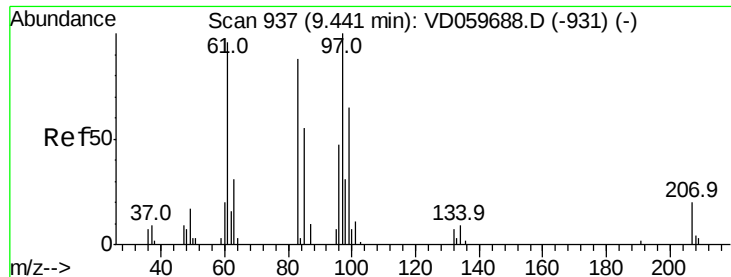


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 49.894 ug/l

RT: 9.46 min Scan# 938

Delta R.T. 0.02 min

Lab File: VD059707.D

Acq: 8 Aug 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 73238

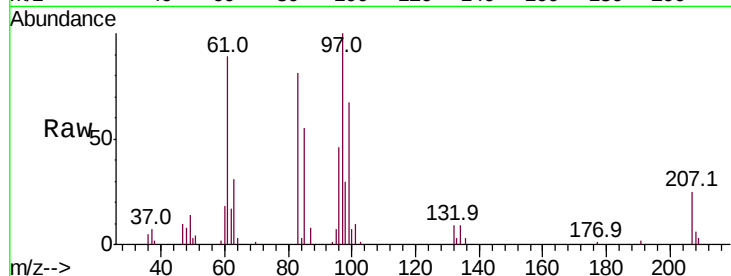
Ion Ratio Lower Upper

97 100

83 81.2 70.8 106.2

85 55.1 44.1 66.1

99 66.6 52.2 78.4

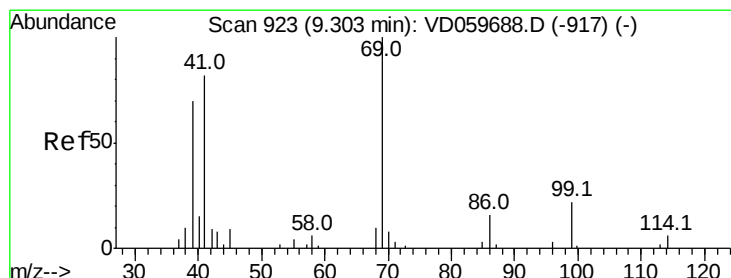
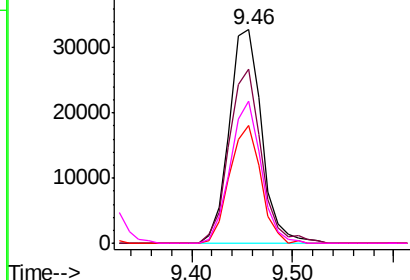
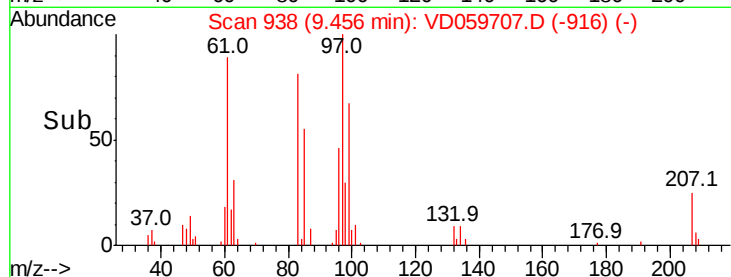


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 55.038 ug/l

RT: 9.31 min Scan# 923

Delta R.T. 0.01 min

Lab File: VD059707.D

Acq: 8 Aug 2018 11:53

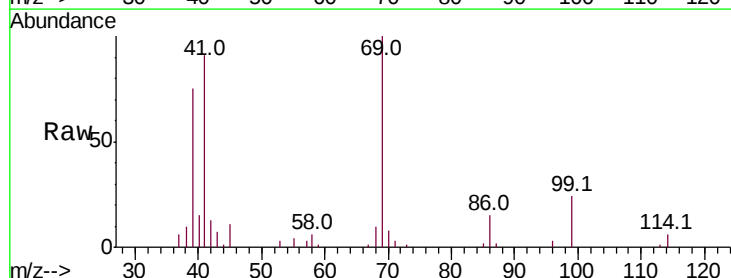
Tgt Ion: 69 Resp: 89138

Ion Ratio Lower Upper

69 100

41 90.7 65.7 98.5

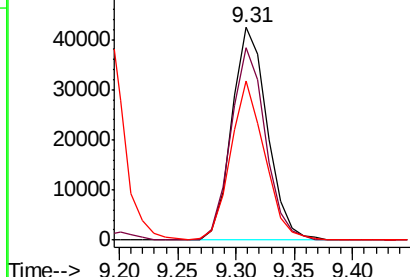
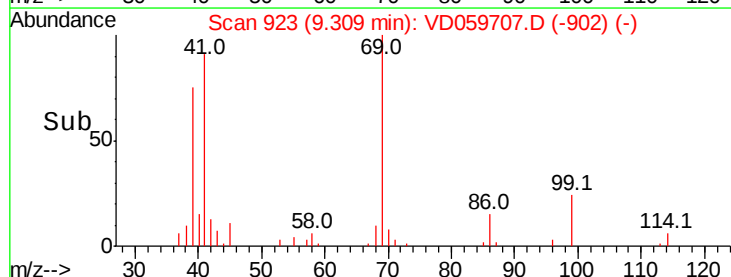
39 75.0 55.8 83.8

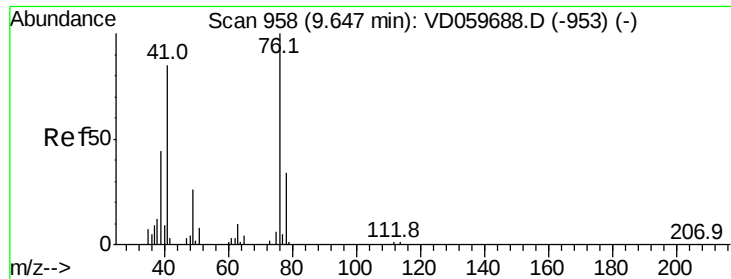


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

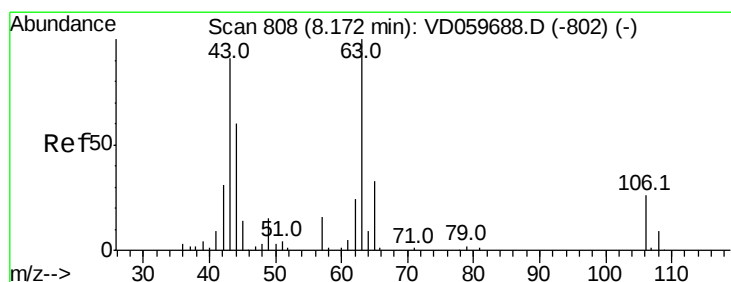
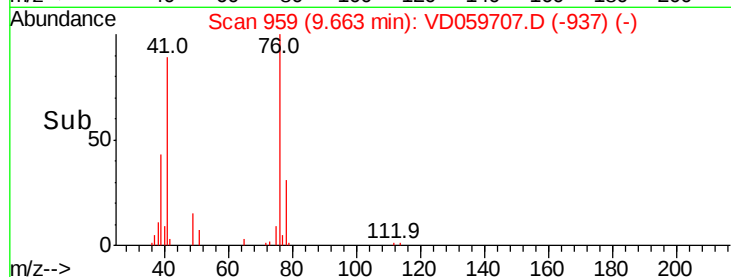
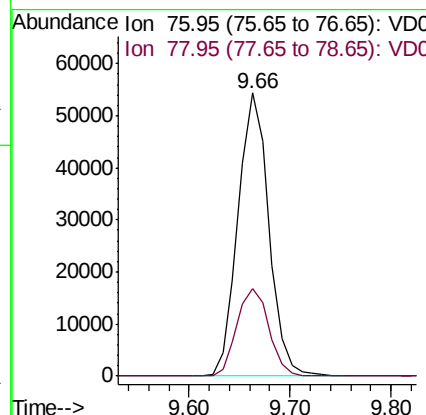
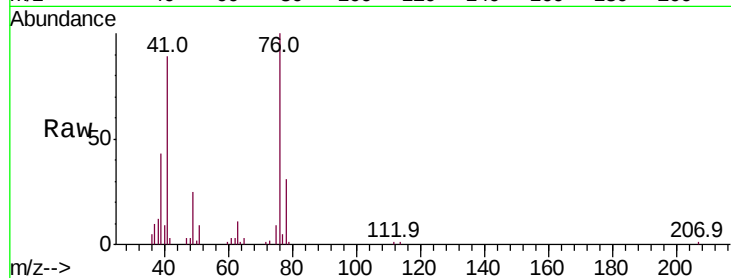




#57
 1,3-Dichloropropane
 Concen: 50.615 ug/l
 RT: 9.66 min Scan# 959
 Delta R.T. 0.02 min
 Lab File: VD059707.D
 Acq: 8 Aug 2018 11:53

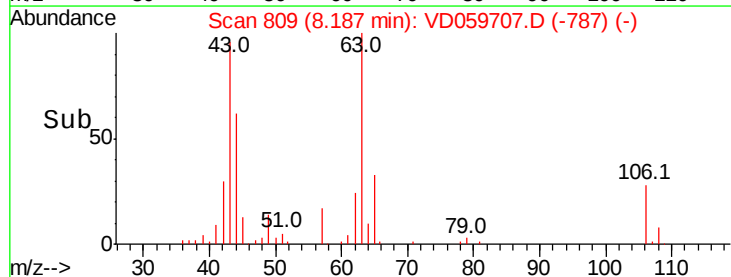
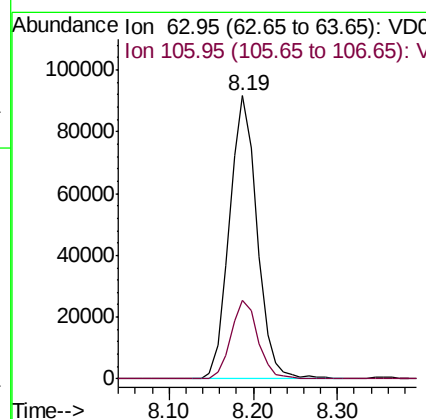
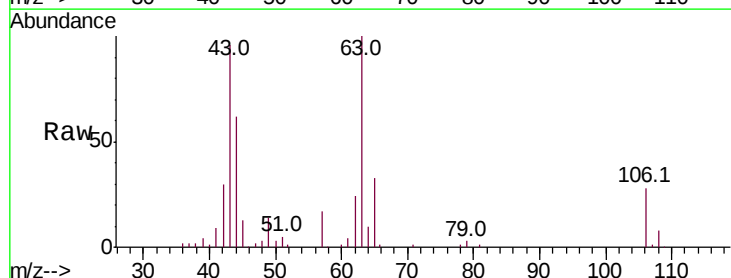
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

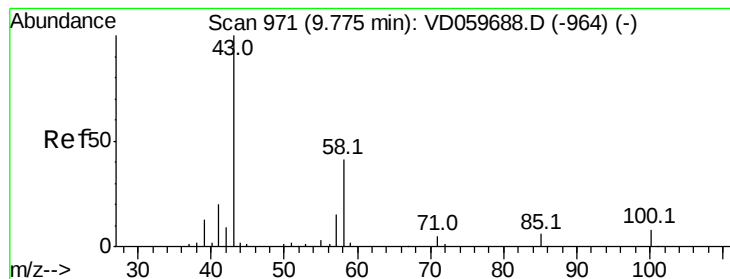
Tot Ion: 76 Resp: 115289
 Ion Ratio Lower Upper
 76 100
 78 31.1 27.5 41.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 269.566 ug/l
 RT: 8.19 min Scan# 809
 Delta R.T. 0.02 min
 Lab File: VD059707.D
 Acq: 8 Aug 2018 11:53

Tgt Ion: 63 Resp: 207996
 Ion Ratio Lower Upper
 63 100
 106 27.7 20.7 31.1





#59

2-Hexanone

Concen: 301.003 ug/l

RT: 9.78 min Scan# 971

Delta R.T. 0.01 min

Lab File: VD059707.D

Acq: 8 Aug 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

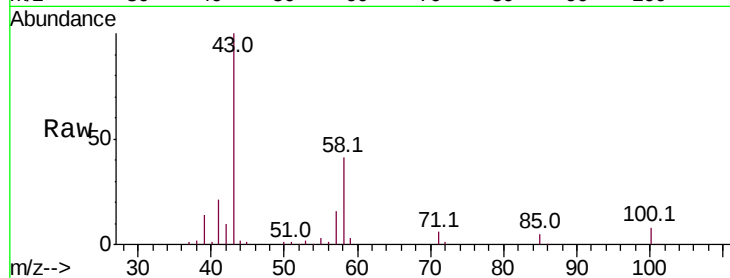
VSTDCCC050

Tot Ion: 43 Resp: 323158

Ion Ratio Lower Upper

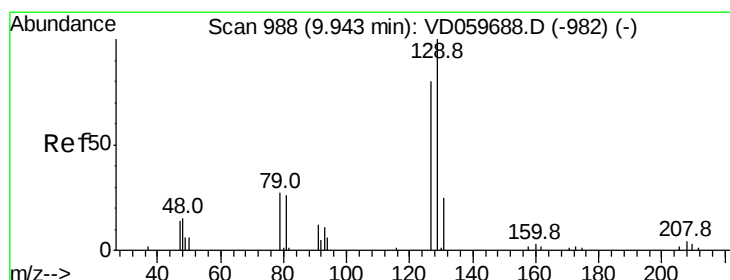
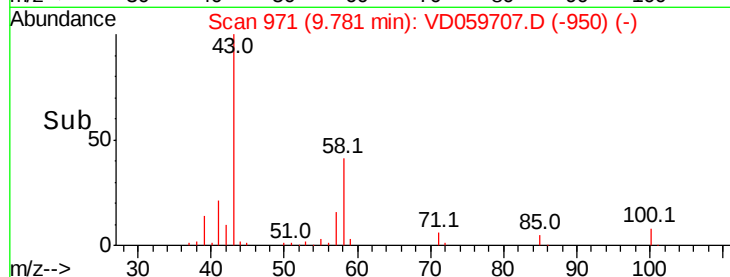
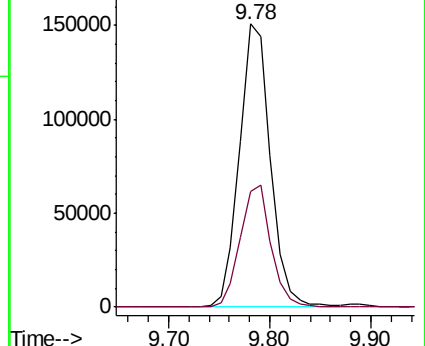
43 100

58 41.1 20.4 61.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 58.436 ug/l

RT: 9.96 min Scan# 989

Delta R.T. 0.02 min

Lab File: VD059707.D

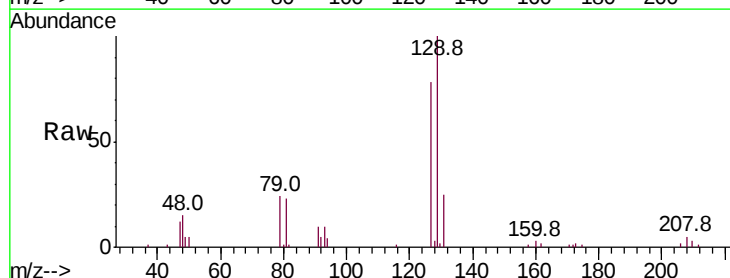
Acq: 8 Aug 2018 11:53

Tgt Ion:129 Resp: 136310

Ion Ratio Lower Upper

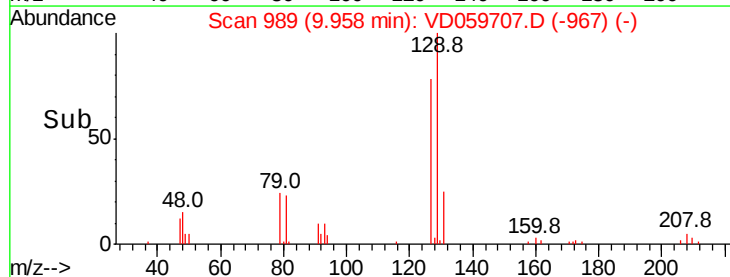
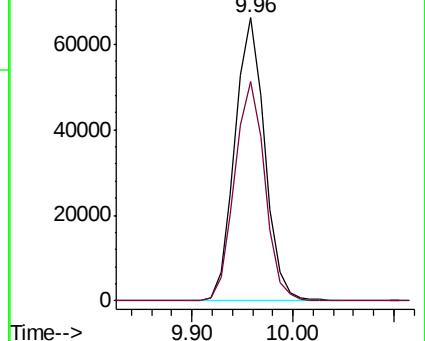
129 100

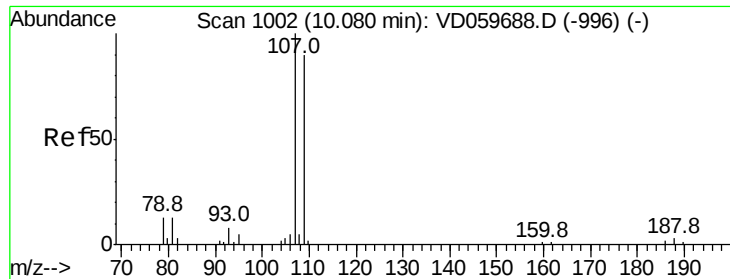
127 77.6 40.0 119.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 54.291 ug/l

RT: 10.10 min Scan# 1003

Delta R.T. 0.02 min

Lab File: VD059707.D

Acq: 8 Aug 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

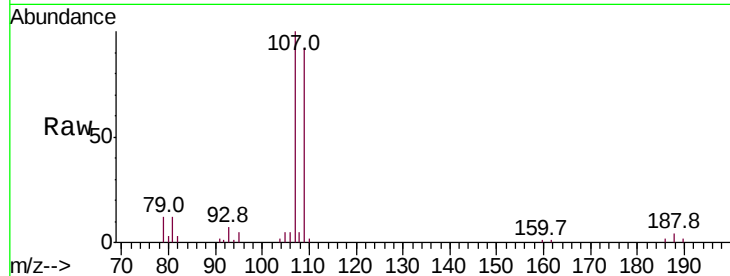
VSTDCCC050

Tot Ion:107 Resp: 91635

Ion Ratio Lower Upper

107 100

109 92.5 72.0 108.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.10

40000

30000

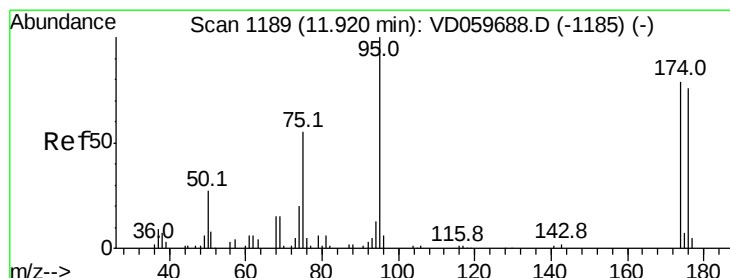
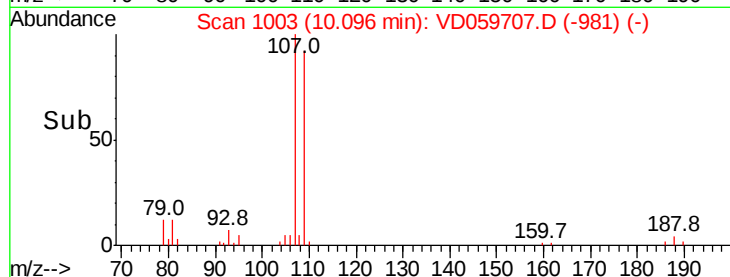
20000

10000

0

Time-->

10.00 10.10 10.20



#62

4-Bromofluorobenzene

Concen: 54.291 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.01 min

Lab File: VD059707.D

Acq: 8 Aug 2018 11:53

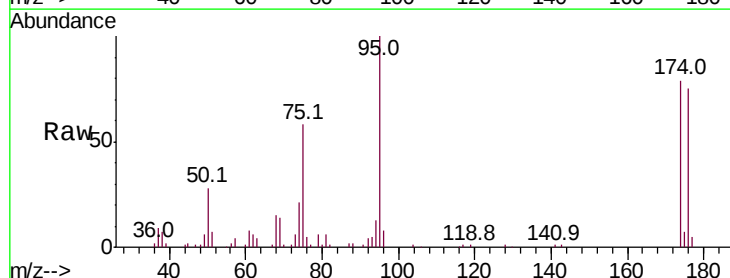
Tgt Ion: 95 Resp: 135146

Ion Ratio Lower Upper

95 100

174 78.6 0.0 158.4

176 74.6 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

120000

100000

80000

60000

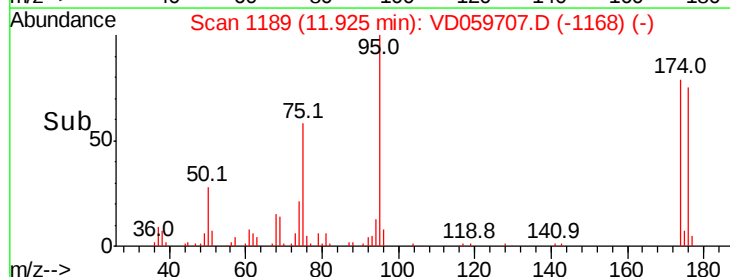
40000

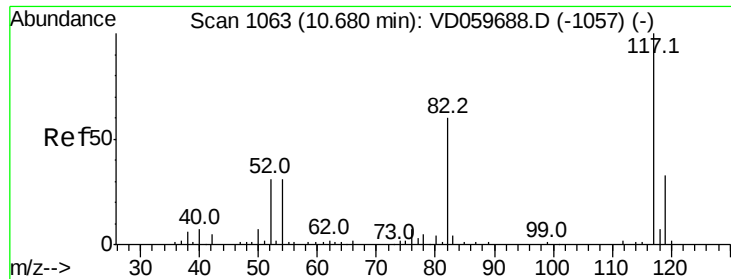
20000

0

Time-->

11.85 11.90 11.95 12.00

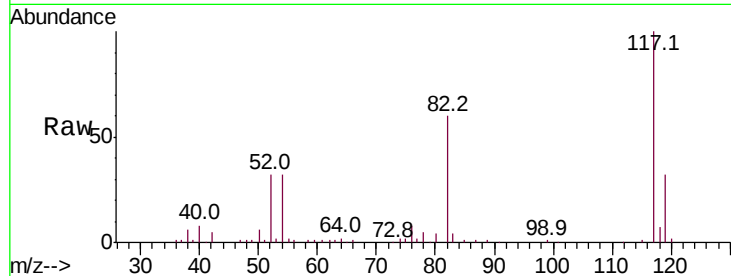




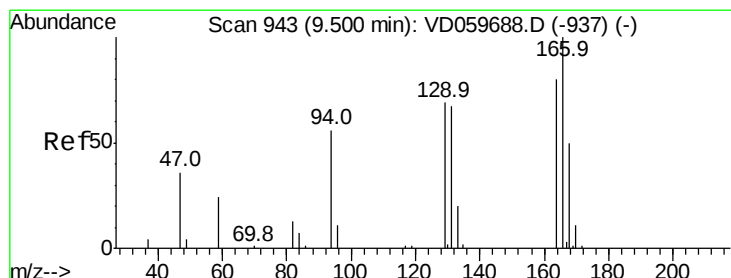
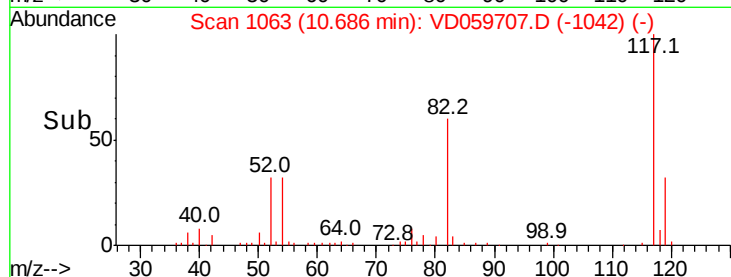
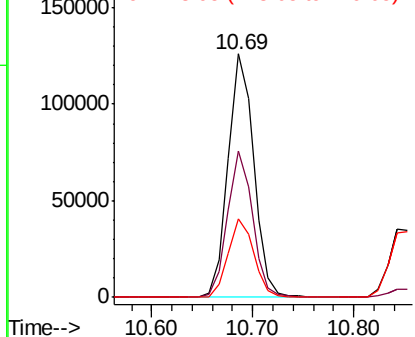
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.01 min
Lab File: VD059707.D
Acq: 8 Aug 2018 11:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 222263
Ion Ratio Lower Upper
117 100
82 60.3 47.7 71.5
119 32.1 26.6 40.0

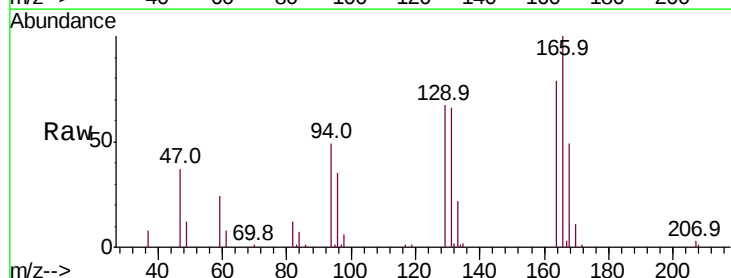


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

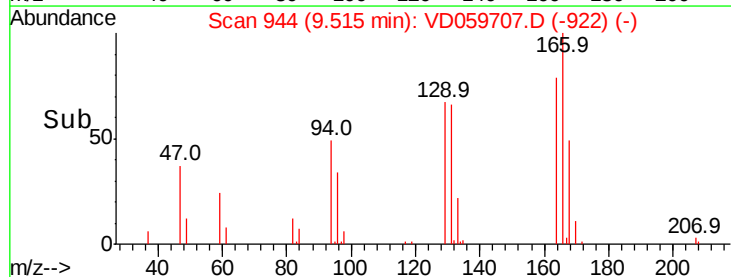
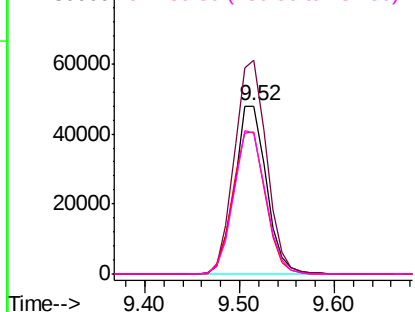


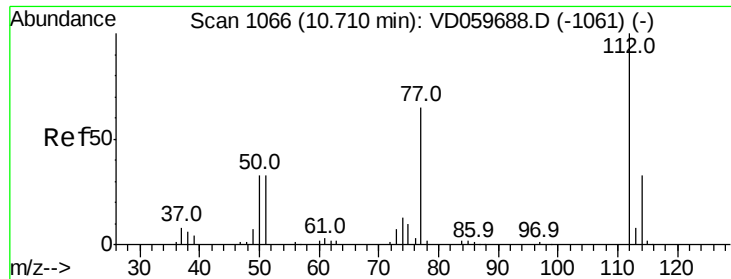
#64
Tetrachloroethene
Concen: 52.845 ug/l
RT: 9.52 min Scan# 944
Delta R.T. 0.02 min
Lab File: VD059707.D
Acq: 8 Aug 2018 11:53

Tgt Ion:164 Resp: 111210
Ion Ratio Lower Upper
164 100
166 127.0 100.5 150.7
129 84.8 69.3 103.9
131 84.0 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

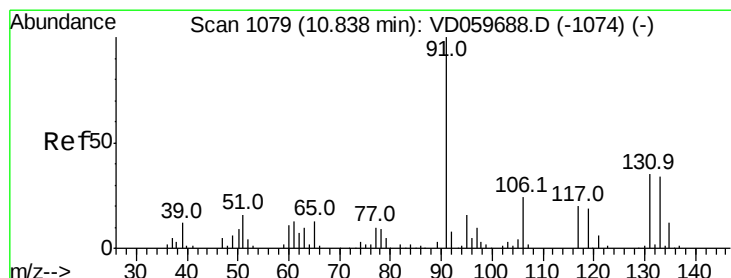
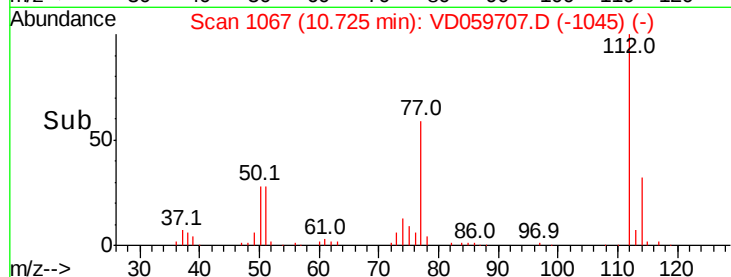
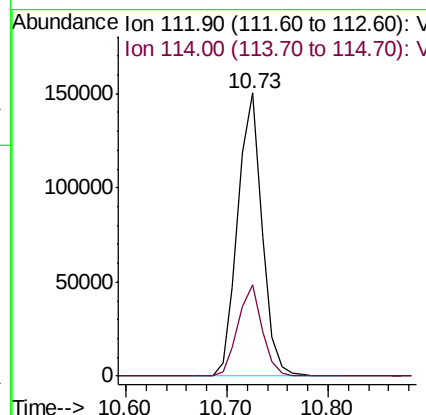
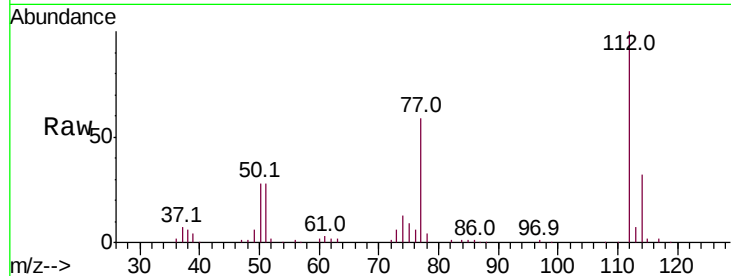




#65
Chlorobenzene
Concen: 53.753 ug/l
RT: 10.73 min Scan# 1067
Delta R.T. 0.02 min
Lab File: VD059707.D
Acq: 8 Aug 2018 11:53

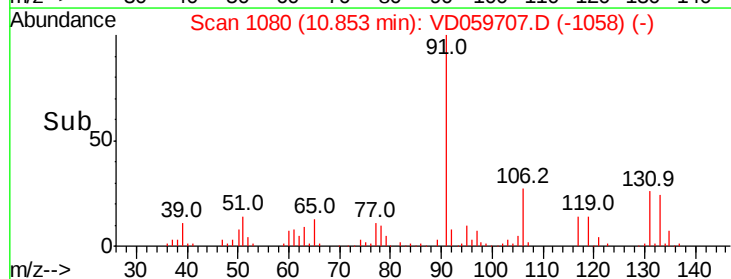
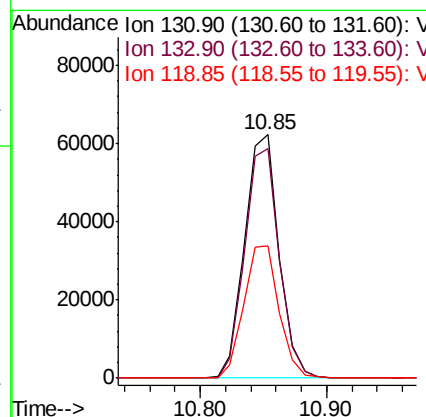
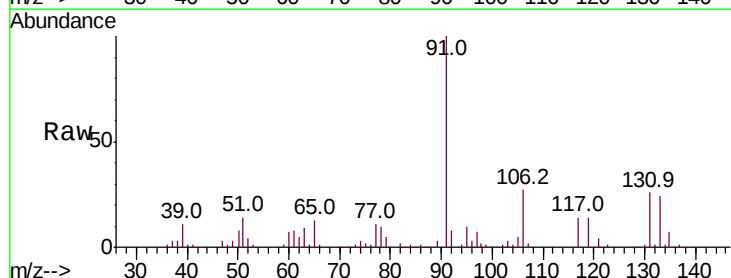
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

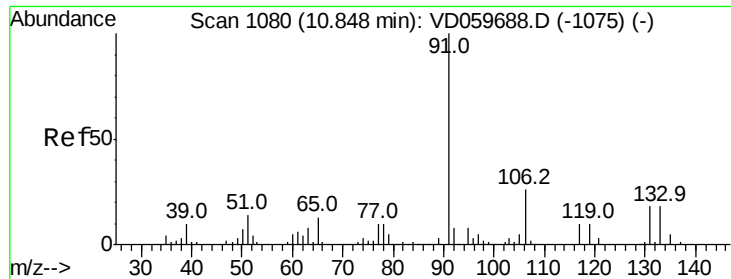
Tot Ion:112 Resp: 251761
Ion Ratio Lower Upper
112 100
114 32.1 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 57.118 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.02 min
Lab File: VD059707.D
Acq: 8 Aug 2018 11:53

Tgt Ion:131 Resp: 117284
Ion Ratio Lower Upper
131 100
133 94.4 49.7 149.1
119 54.1 27.0 80.8

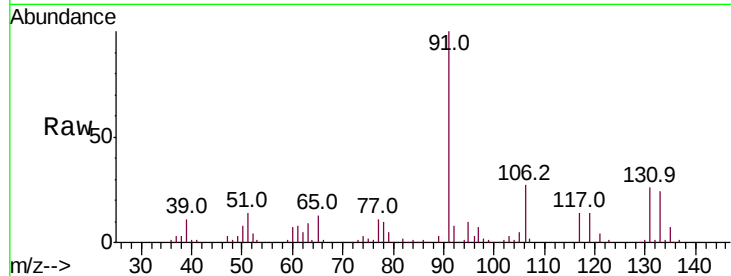




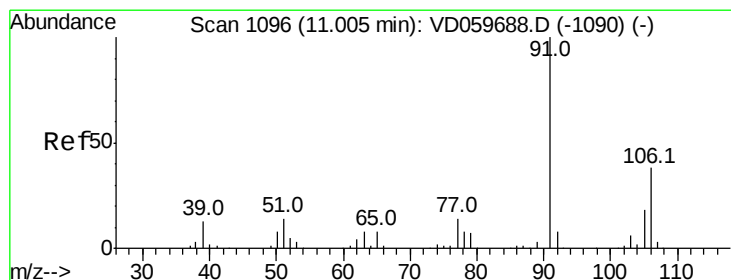
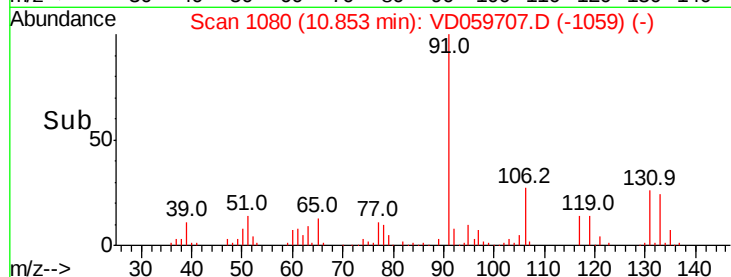
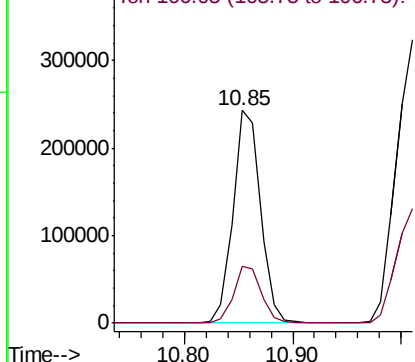
#67
Ethyl Benzene
Concen: 50.997 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD059707.D
Acq: 8 Aug 2018 11:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 430166
Ion Ratio Lower Upper
91 100
106 26.9 20.9 31.3

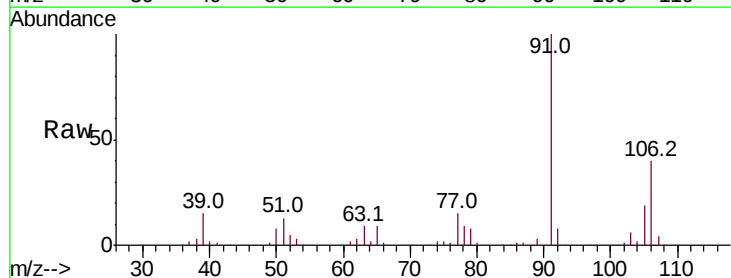


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

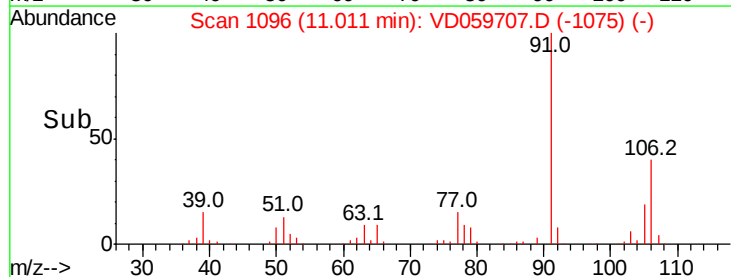
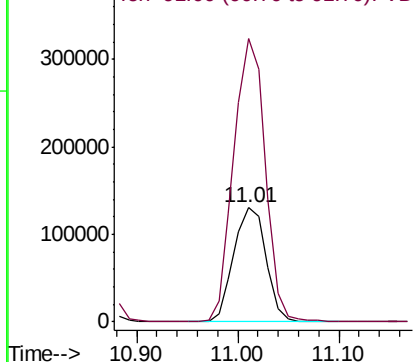


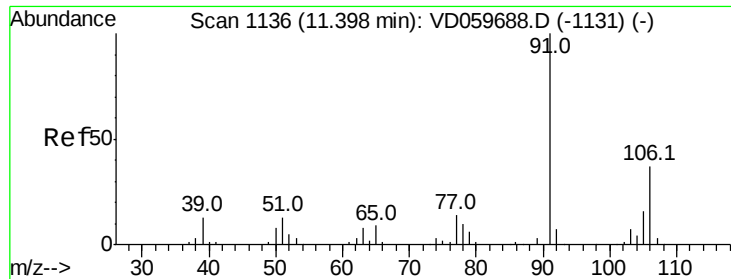
#68
m/p-Xylenes
Concen: 108.647 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. 0.01 min
Lab File: VD059707.D
Acq: 8 Aug 2018 11:53

Tgt Ion: 106 Resp: 293174
Ion Ratio Lower Upper
106 100
91 247.5 209.7 314.5



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

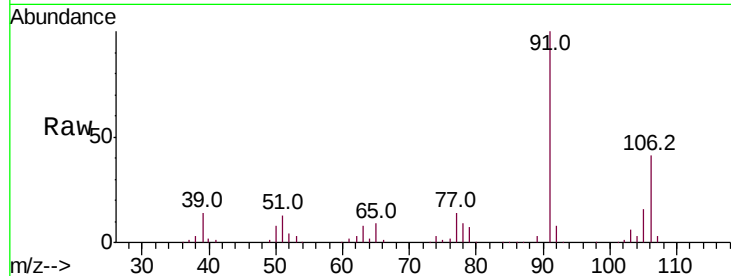




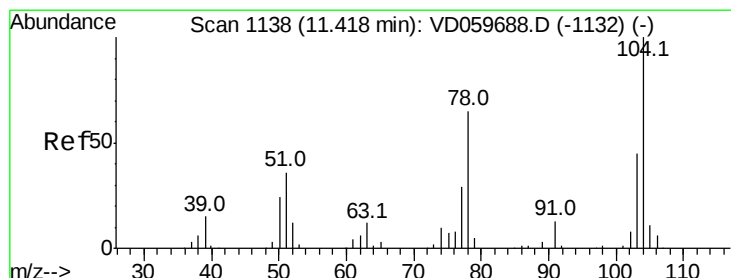
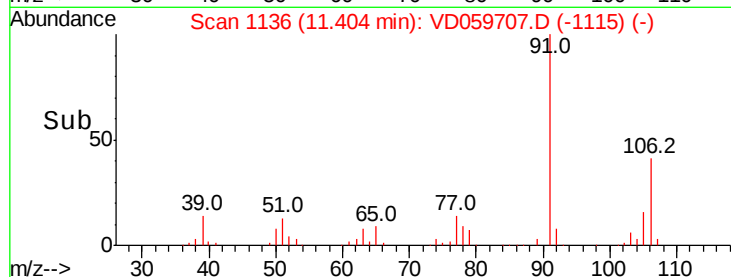
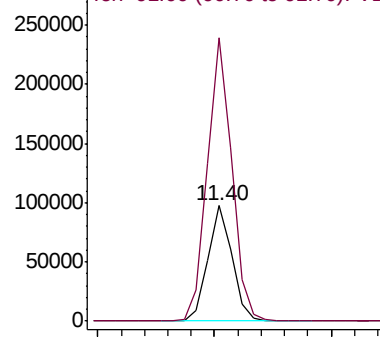
#69
o-Xylene
Concen: 54.039 ug/l
RT: 11.40 min Scan# 1136
Delta R.T. 0.01 min
Lab File: VD059707.D
Acq: 8 Aug 2018 11:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 141761
Ion Ratio Lower Upper
106 100
91 244.9 135.2 405.6

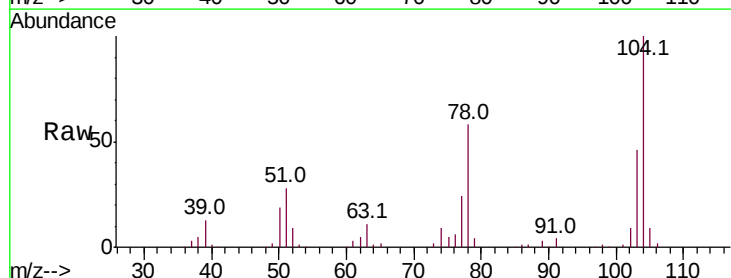


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

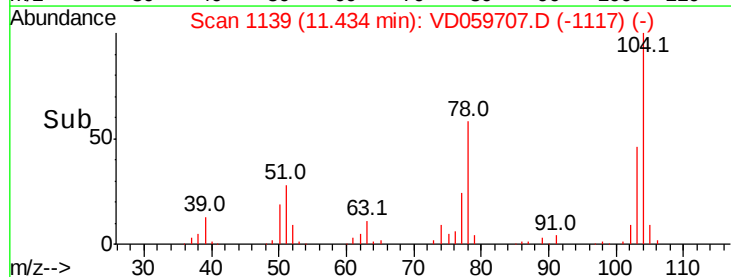
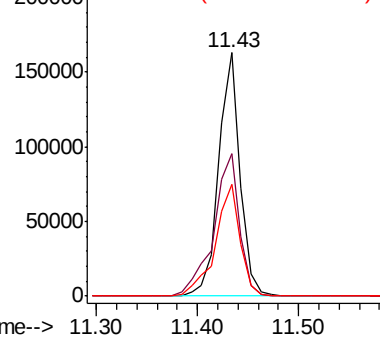


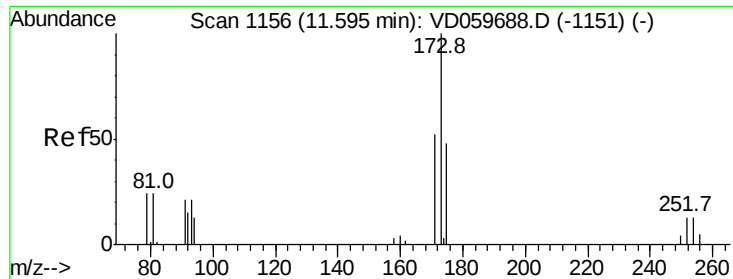
#70
Styrene
Concen: 54.775 ug/l
RT: 11.43 min Scan# 1139
Delta R.T. 0.02 min
Lab File: VD059707.D
Acq: 8 Aug 2018 11:53

Tgt Ion:104 Resp: 241192
Ion Ratio Lower Upper
104 100
78 58.5 51.9 77.9
103 45.8 36.2 54.4



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





#71

Bromoform

Concen: 61.079 ug/l

RT: 11.60 min Scan# 1156

Delta R.T. 0.01 min

Lab File: VD059707.D

Acq: 8 Aug 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

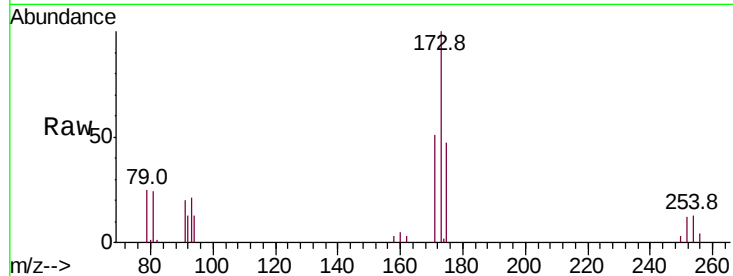
Tot Ion:173 Resp: 94490

Ion Ratio Lower Upper

173 100

175 47.2 24.1 72.4

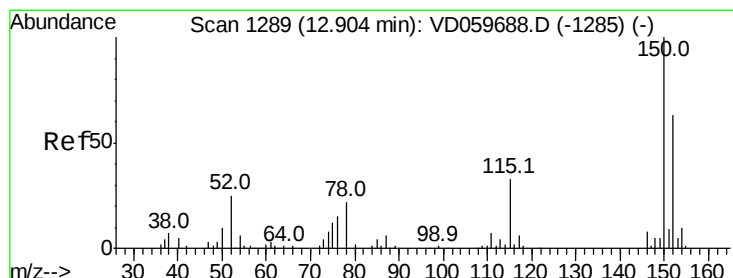
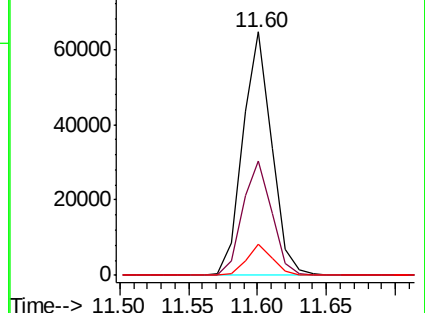
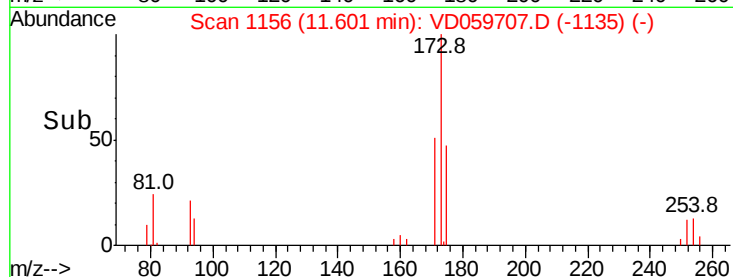
254 12.8 10.6 16.0



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.91 min Scan# 1289

Delta R.T. 0.01 min

Lab File: VD059707.D

Acq: 8 Aug 2018 11:53

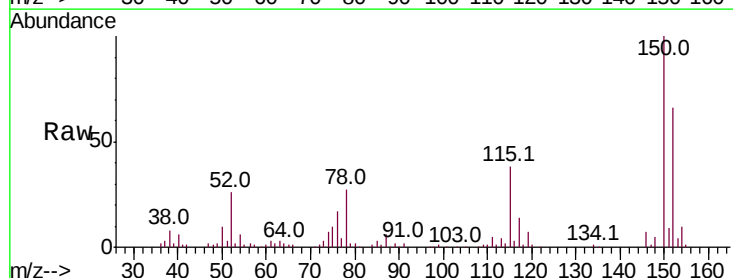
Tgt Ion:152 Resp: 121970

Ion Ratio Lower Upper

152 100

115 58.4 28.8 86.4

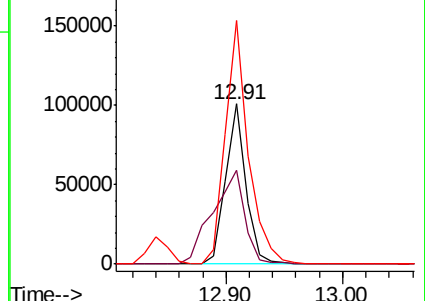
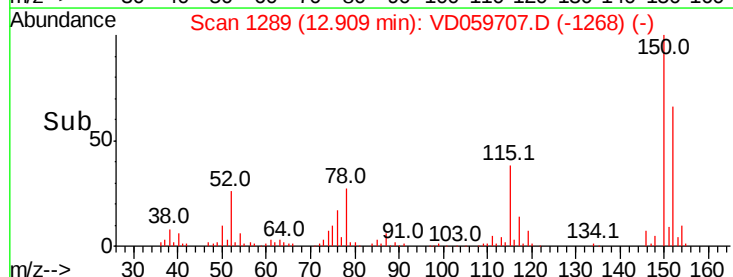
150 152.2 0.0 318.0

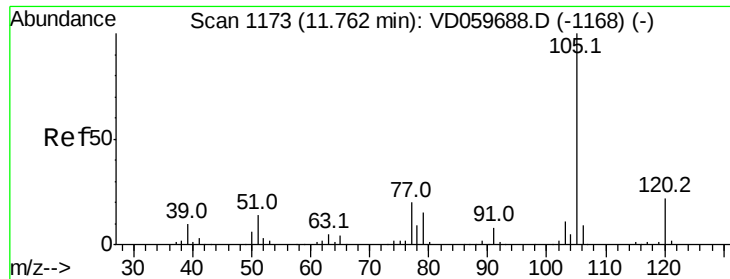


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.161 ug/l

RT: 11.78 min Scan# 1174

Delta R.T. 0.02 min

Lab File: VD059707.D

Acq: 8 Aug 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

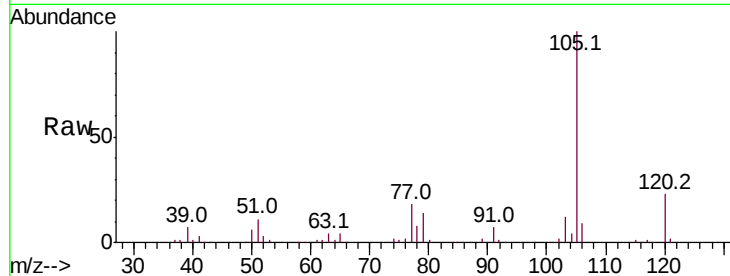
VSTDCCC050

Tot Ion:105 Resp: 443959

Ion Ratio Lower Upper

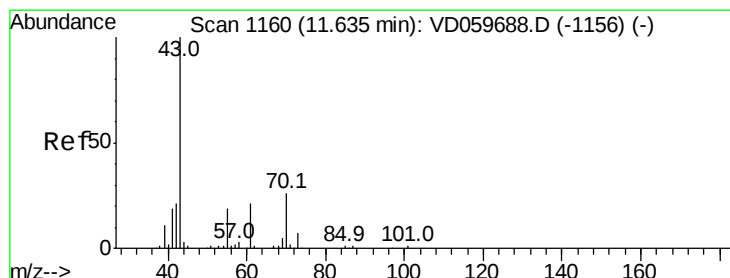
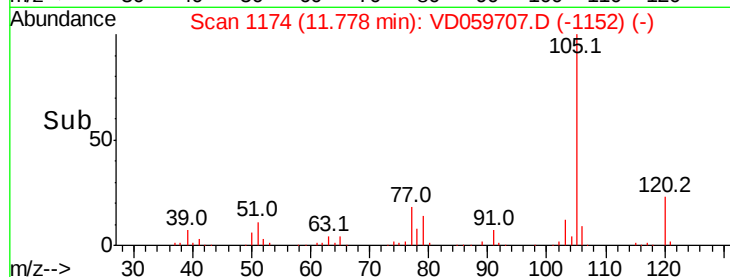
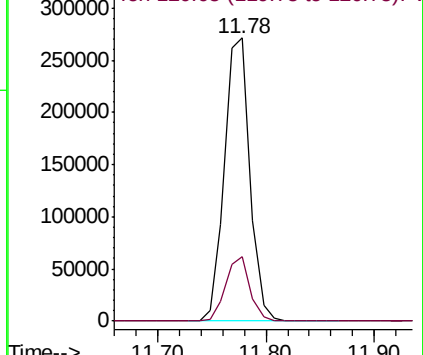
105 100

120 22.8 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: 55.537 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VD059707.D

Acq: 8 Aug 2018 11:53

Tgt Ion: 43 Resp: 145640

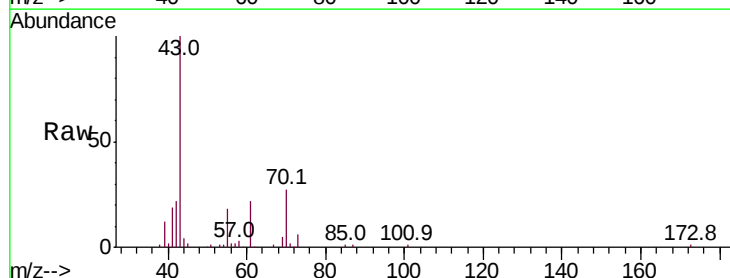
Ion Ratio Lower Upper

43 100

70 27.3 21.0 31.6

55 17.6 15.4 23.2

61 22.2 16.8 25.2

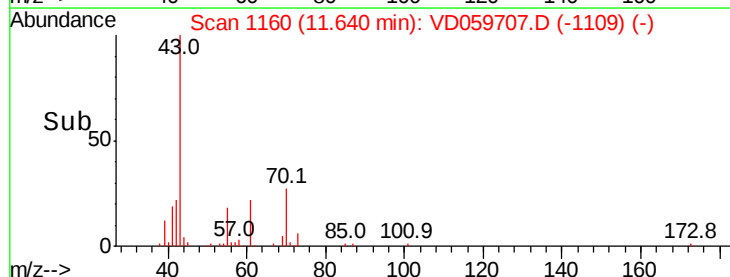
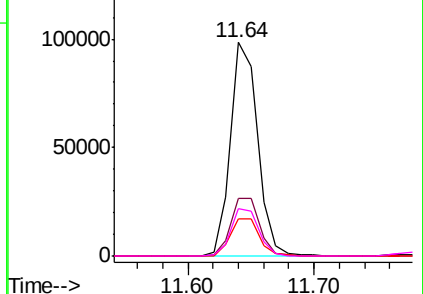


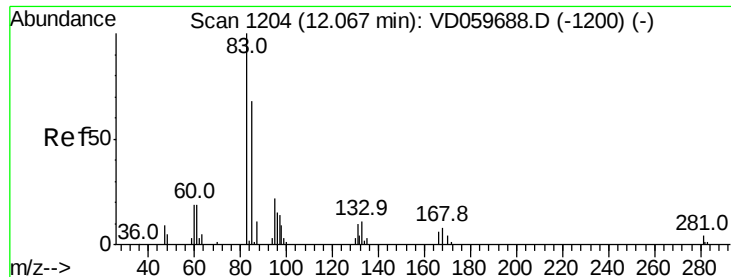
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 48.475 ug/l

RT: 12.07 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD059707.D

Acq: 8 Aug 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

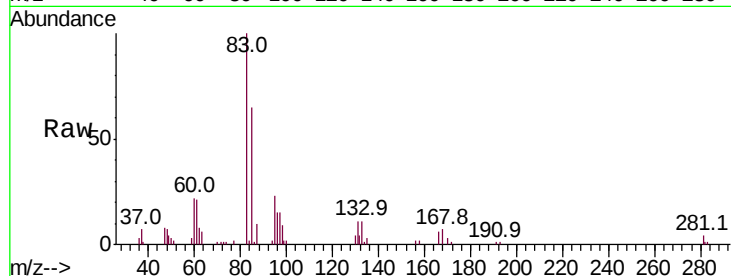
Tot Ion: 83 Resp: 79733

Ion Ratio Lower Upper

83 100

131 10.9 5.3 15.9

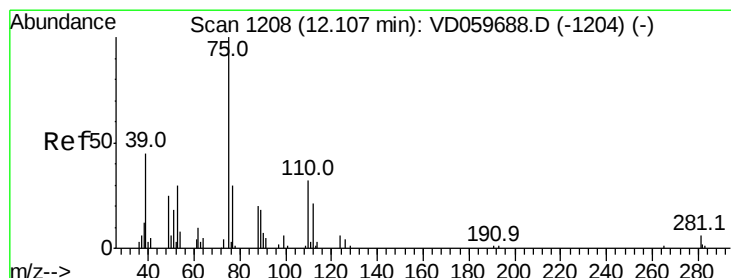
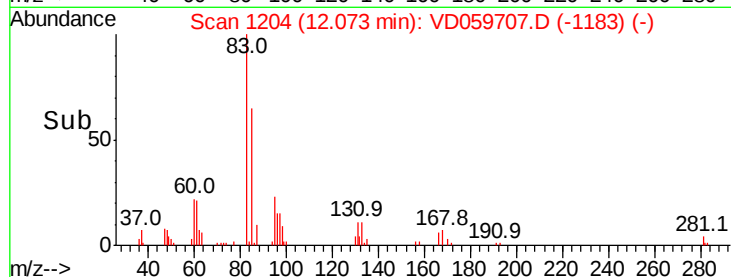
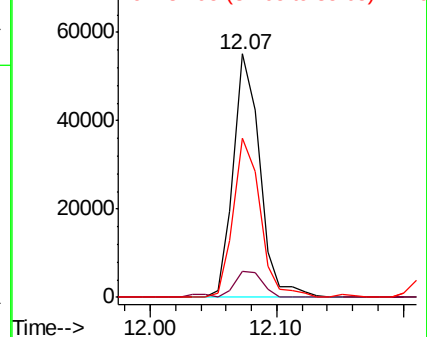
85 65.2 34.1 102.2



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: 54.067 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. 0.01 min

Lab File: VD059707.D

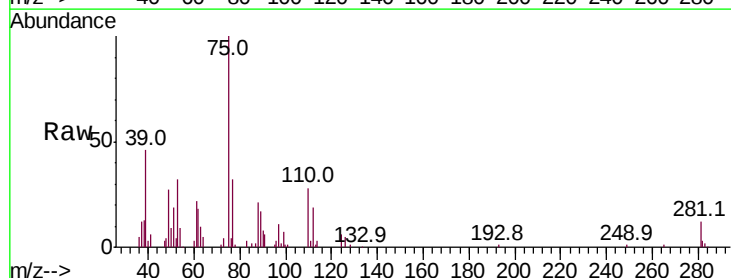
Acq: 8 Aug 2018 11:53

Tgt Ion: 75 Resp: 101944

Ion Ratio Lower Upper

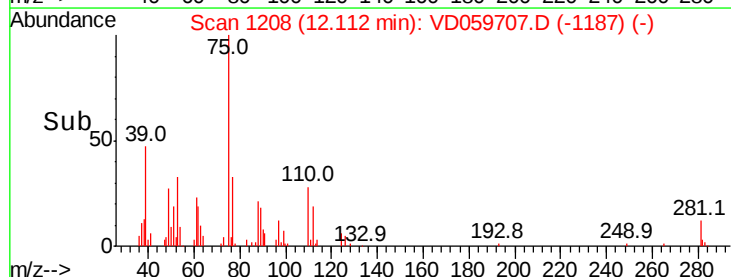
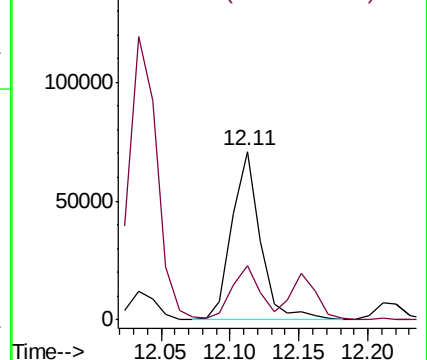
75 100

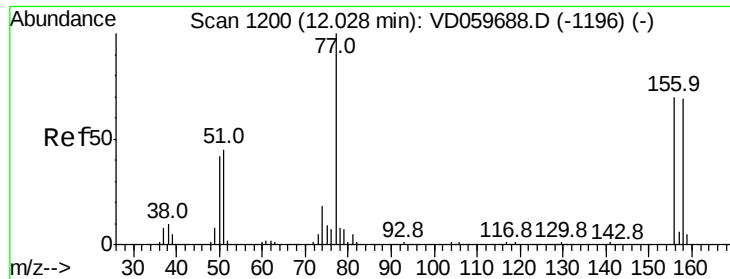
77 32.0 15.5 46.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 53.332 ug/l

RT: 12.04 min Scan# 1201

Delta R.T. 0.02 min

Lab File: VD059707.D

Acq: 8 Aug 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

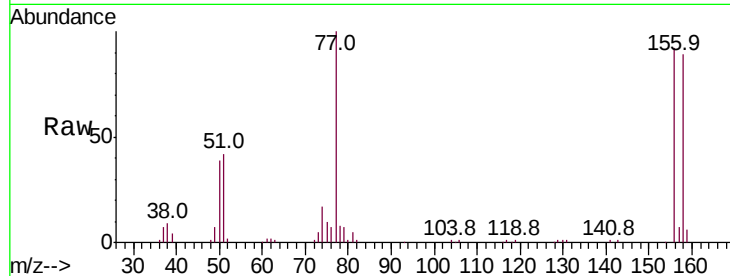
Tot Ion:156 Resp: 127420

Ion Ratio Lower Upper

156 100

77 108.4 71.2 213.6

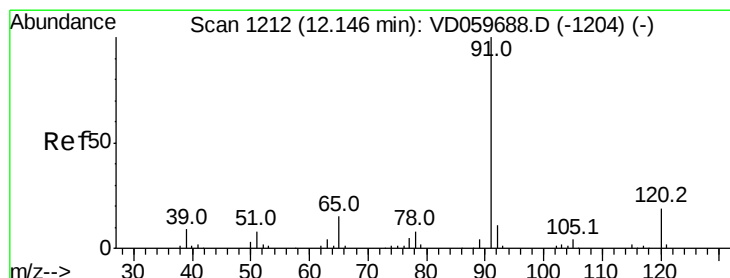
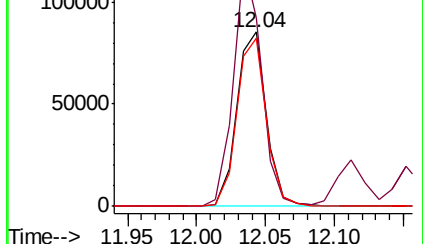
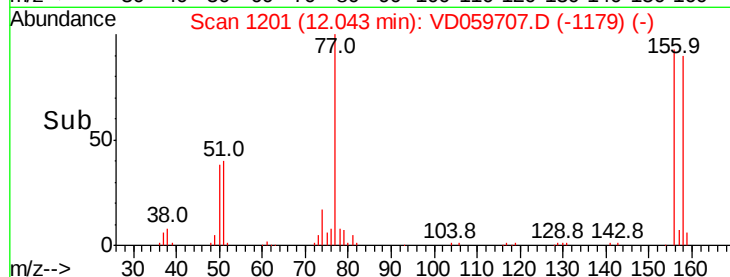
158 96.6 49.1 147.3



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: 51.265 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. 0.01 min

Lab File: VD059707.D

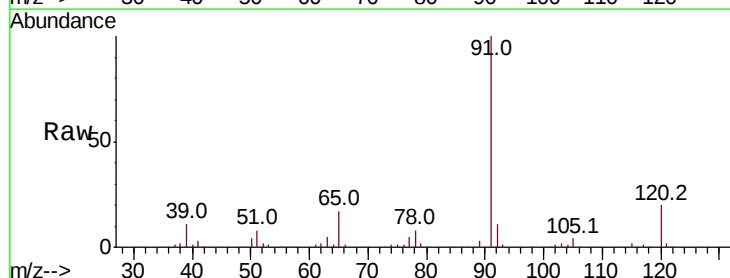
Acq: 8 Aug 2018 11:53

Tgt Ion: 91 Resp: 520758

Ion Ratio Lower Upper

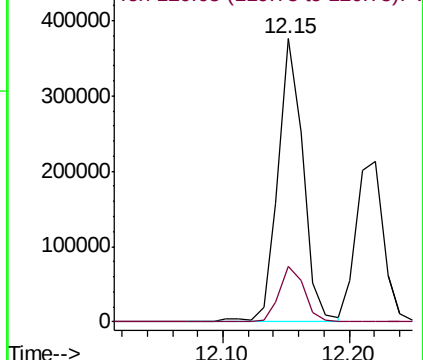
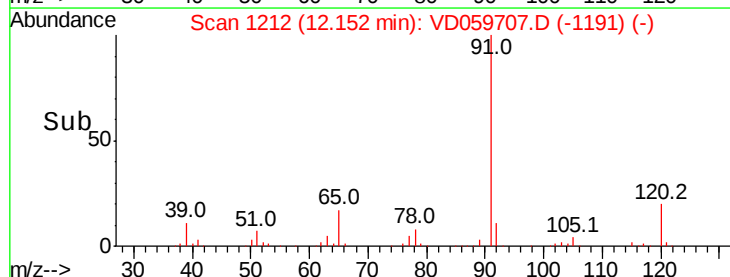
91 100

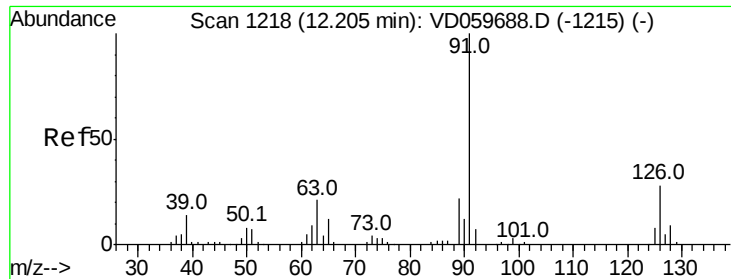
120 19.7 9.5 28.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

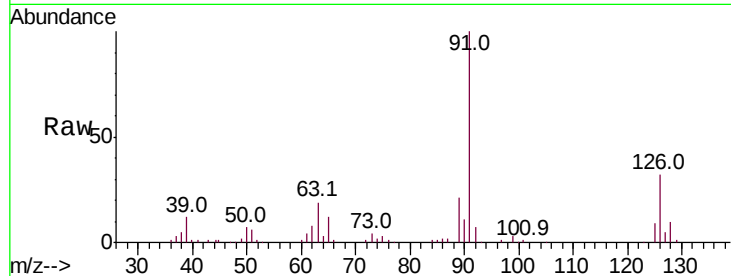




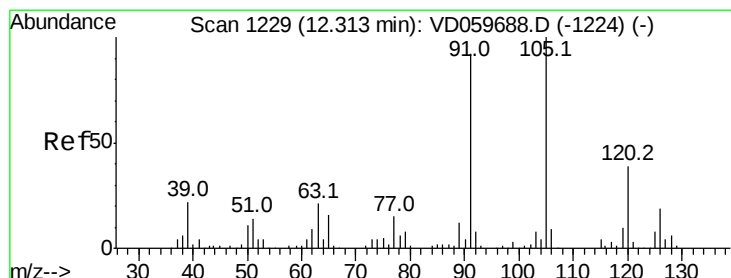
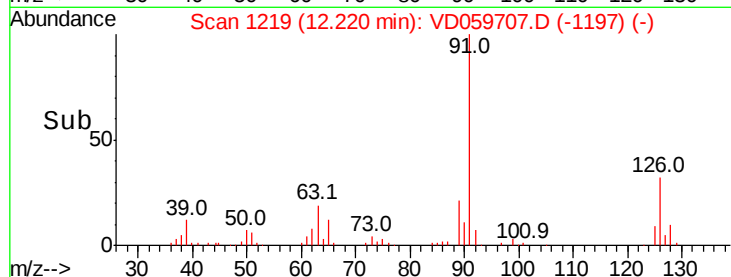
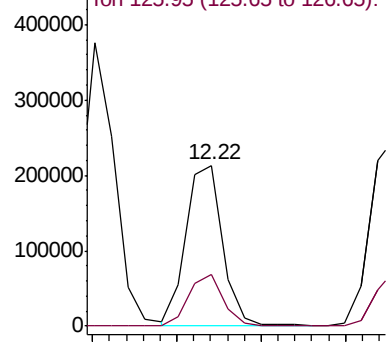
#79
 2-Chlorotoluene
 Concen: 51.989 ug/l
 RT: 12.22 min Scan# 1219
 Delta R.T. 0.02 min
 Lab File: VD059707.D
 Acq: 8 Aug 2018 11:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 318938
 Ion Ratio Lower Upper
 91 100
 126 32.0 13.7 41.0

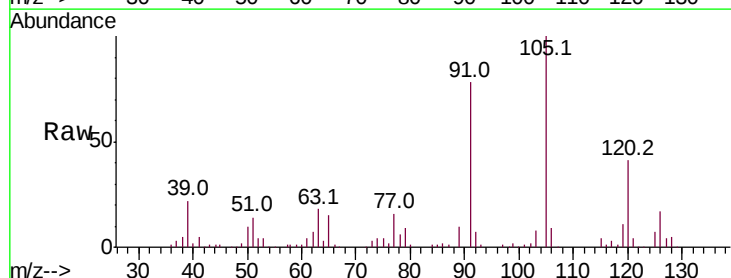


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

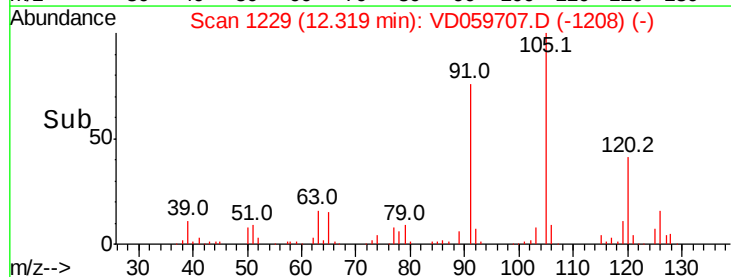
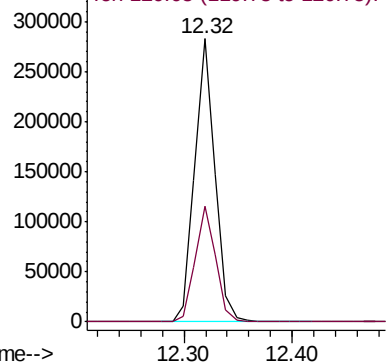


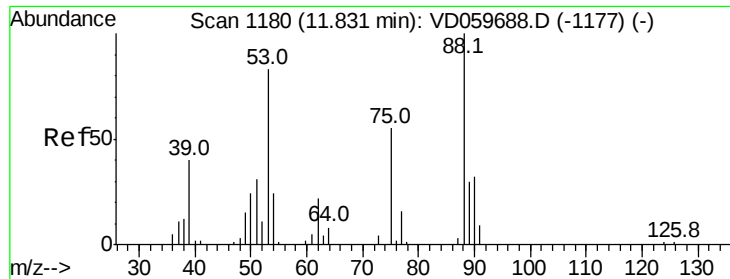
#80
 1,3,5-Trimethylbenzene
 Concen: 53.688 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. 0.01 min
 Lab File: VD059707.D
 Acq: 8 Aug 2018 11:53

Tgt Ion:105 Resp: 366581
 Ion Ratio Lower Upper
 105 100
 120 41.1 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: 56.594 ug/l

RT: 11.85 min Scan# 1181

Delta R.T. 0.02 min

Lab File: VD059707.D

Acq: 8 Aug 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

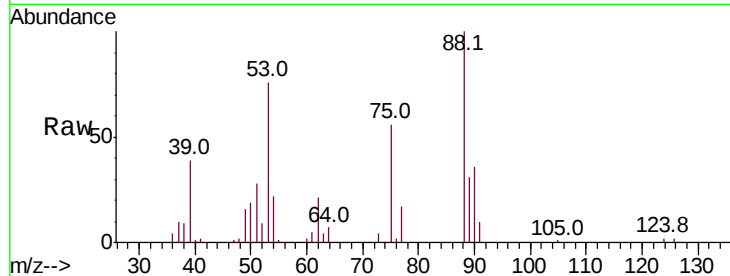
Tot Ion: 75 Resp: 26042

Ion Ratio Lower Upper

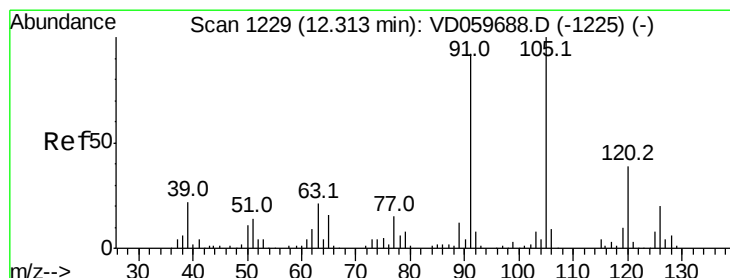
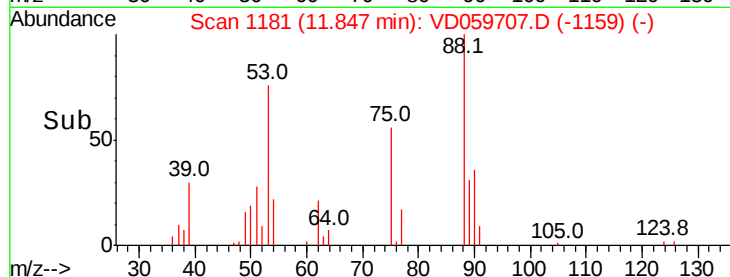
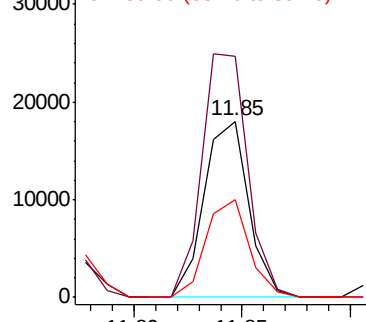
75 100

53 137.4 120.5 180.7

89 55.4 44.4 66.6



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 50.748 ug/l

RT: 12.33 min Scan# 1230

Delta R.T. 0.02 min

Lab File: VD059707.D

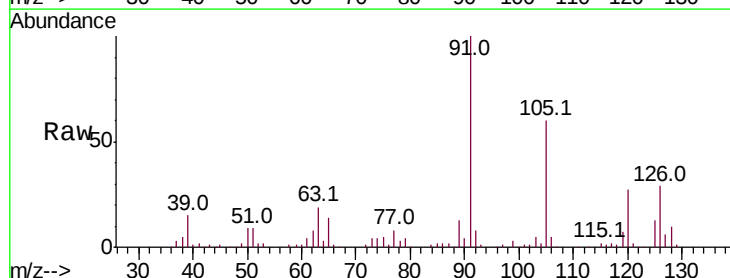
Acq: 8 Aug 2018 11:53

Tgt Ion: 91 Resp: 364453

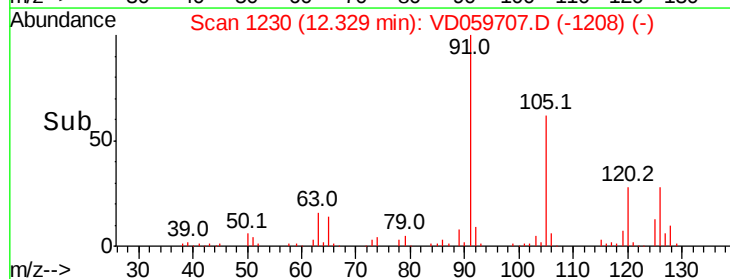
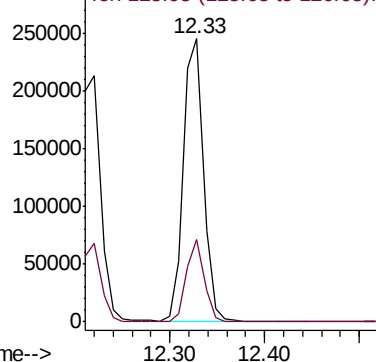
Ion Ratio Lower Upper

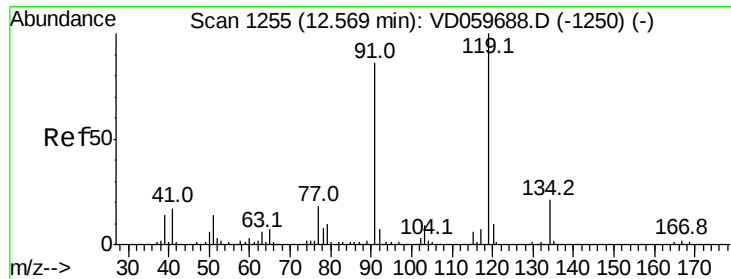
91 100

126 29.2 10.7 31.9



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

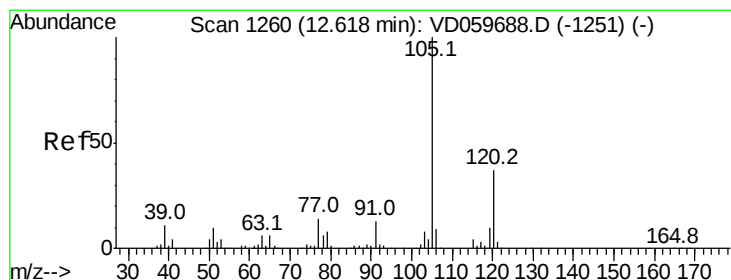
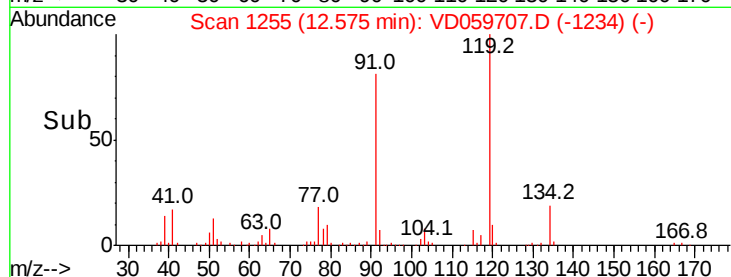
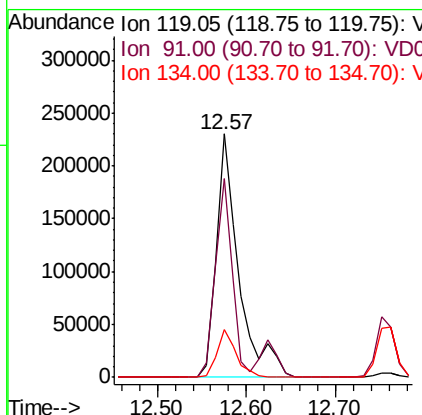
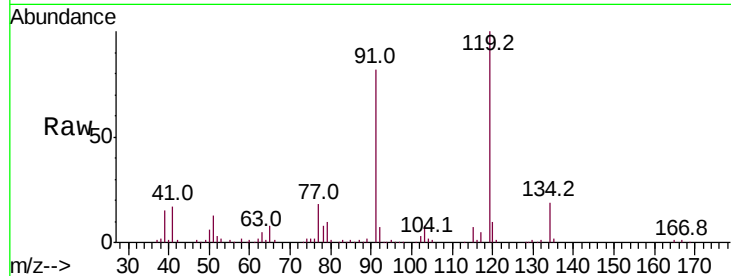




#83
tert-Butylbenzene
Concen: 52.712 ug/l
RT: 12.57 min Scan# 1255
Delta R.T. 0.01 min
Lab File: VD059707.D
Acq: 8 Aug 2018 11:53

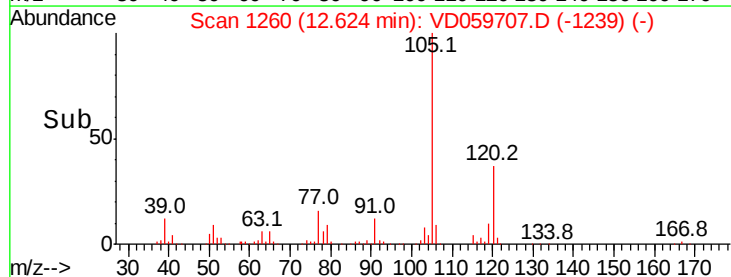
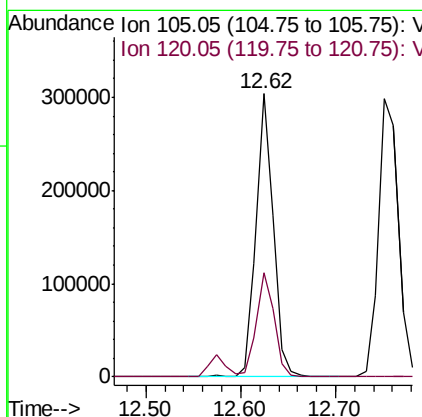
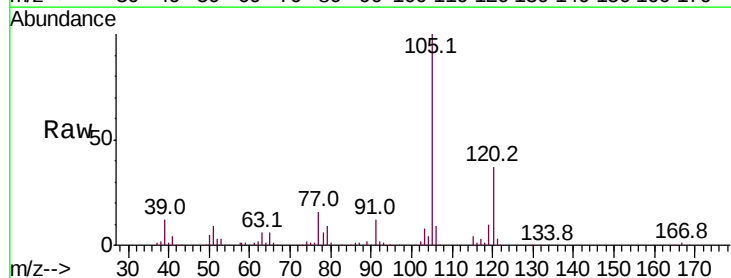
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

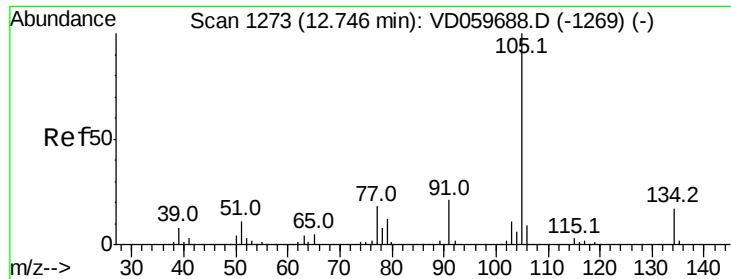
Tot Ion:119 Resp: 402843
Ion Ratio Lower Upper
119 100
91 81.6 43.3 129.9
134 19.4 10.5 31.6



#84
1,2,4-Trimethylbenzene
Concen: 53.390 ug/l
RT: 12.62 min Scan# 1260
Delta R.T. 0.01 min
Lab File: VD059707.D
Acq: 8 Aug 2018 11:53

Tgt Ion:105 Resp: 386334
Ion Ratio Lower Upper
105 100
120 36.6 18.7 56.1





#85

sec-Butylbenzene

Concen: 51.726 ug/l

RT: 12.75 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD059707.D

Acq: 8 Aug 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

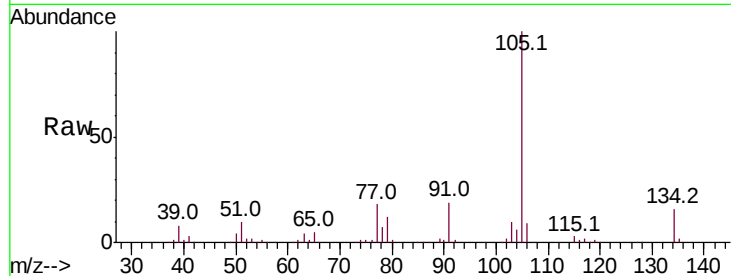
VSTDCCC050

Tot Ion:105 Resp: 439004

Ion Ratio Lower Upper

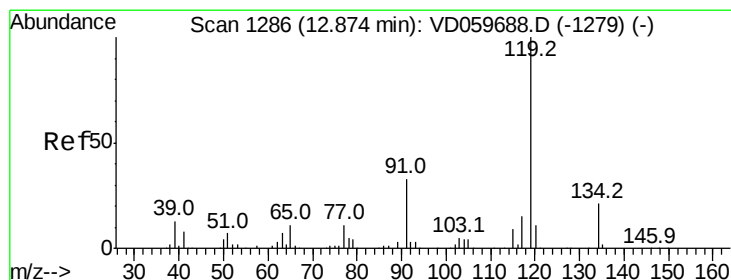
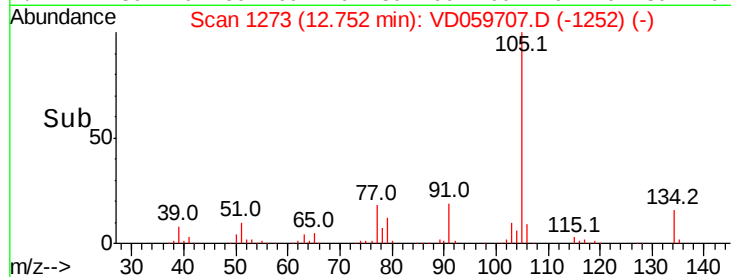
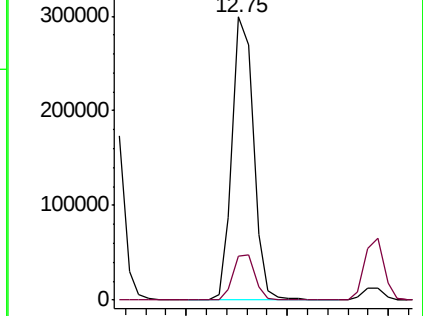
105 100

134 15.6 8.3 24.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 56.429 ug/l

RT: 12.89 min Scan# 1287

Delta R.T. 0.02 min

Lab File: VD059707.D

Acq: 8 Aug 2018 11:53

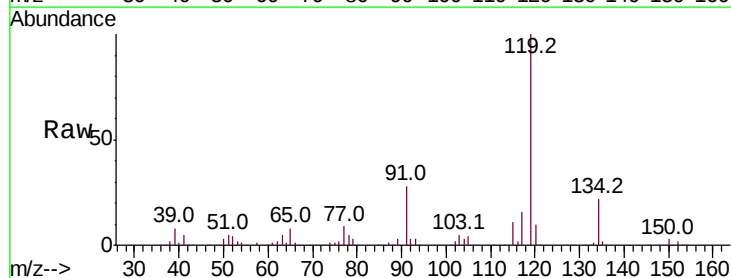
Tgt Ion:119 Resp: 408414

Ion Ratio Lower Upper

119 100

134 22.3 10.7 32.1

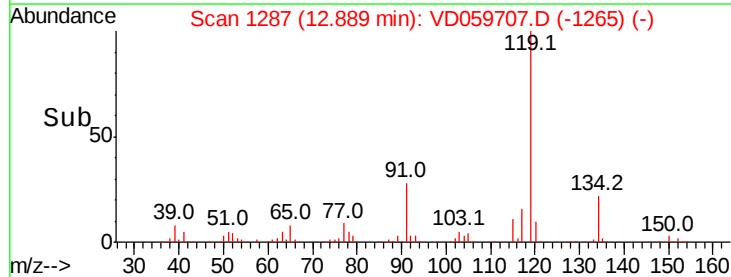
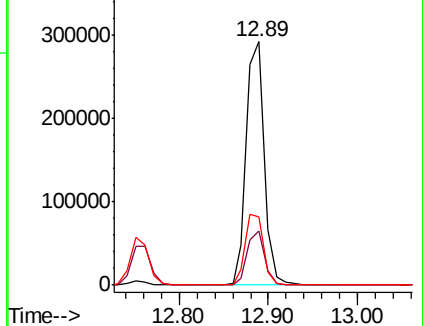
91 27.9 16.6 49.7

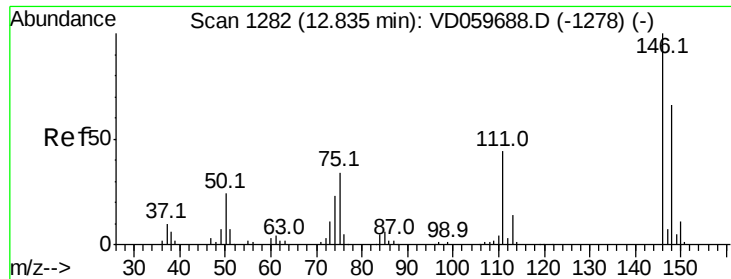


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

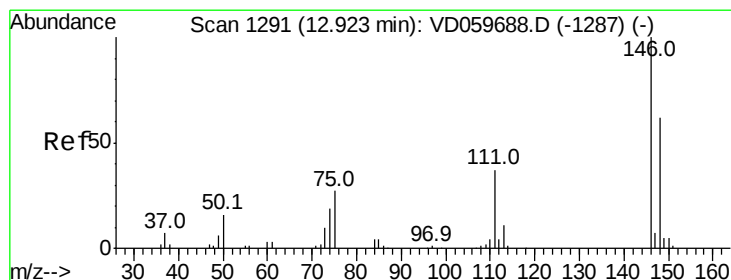
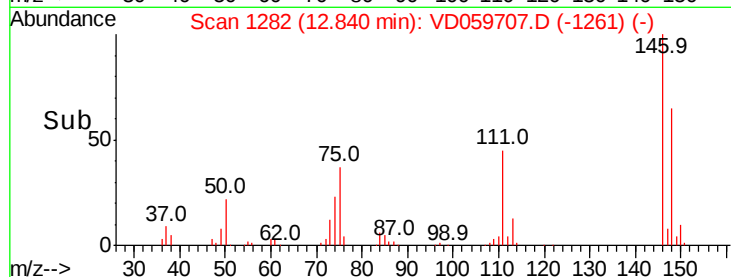
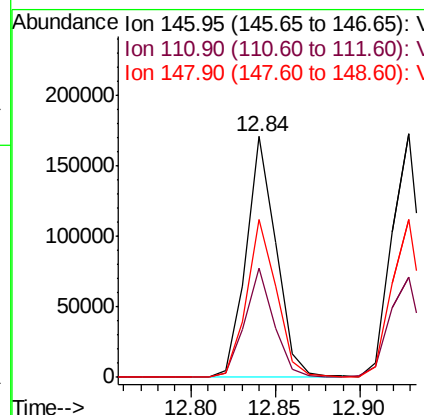
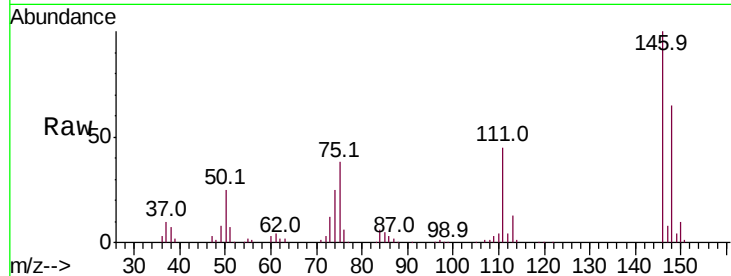




#87
 1,3-Dichlorobenzene
 Concen: 51.353 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. 0.01 min
 Lab File: VD059707.D
 Acq: 8 Aug 2018 11:53

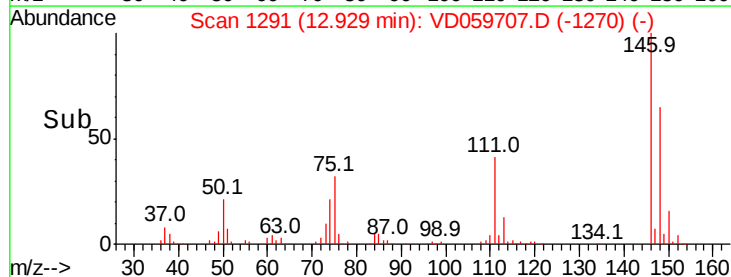
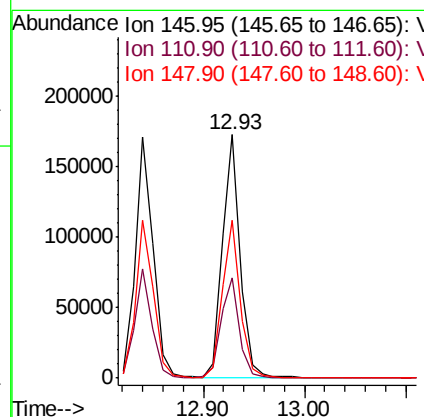
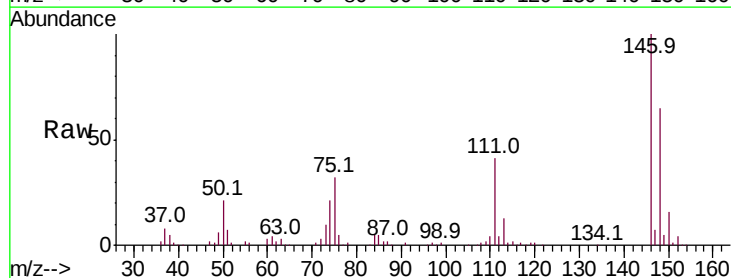
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

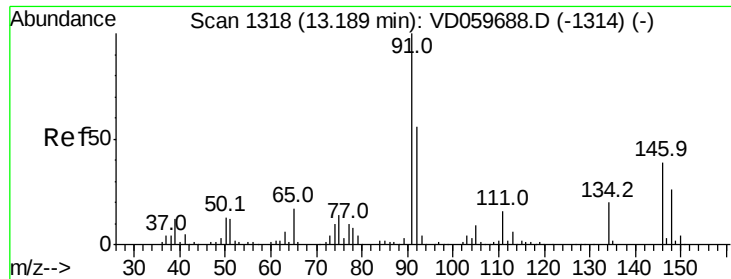
Tot Ion:146 Resp: 211754
 Ion Ratio Lower Upper
 146 100
 111 45.2 21.8 65.4
 148 65.4 33.1 99.2



#88
 1,4-Dichlorobenzene
 Concen: 52.392 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. 0.01 min
 Lab File: VD059707.D
 Acq: 8 Aug 2018 11:53

Tgt Ion:146 Resp: 215528
 Ion Ratio Lower Upper
 146 100
 111 41.2 18.6 55.8
 148 64.7 31.2 93.6

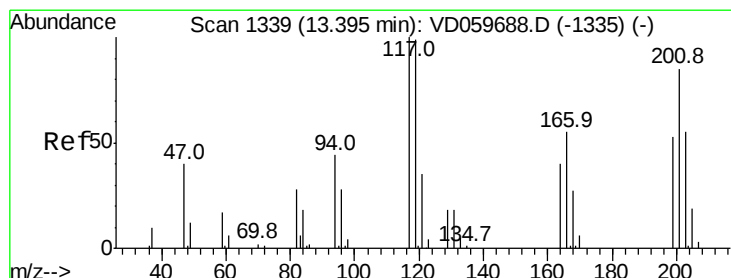
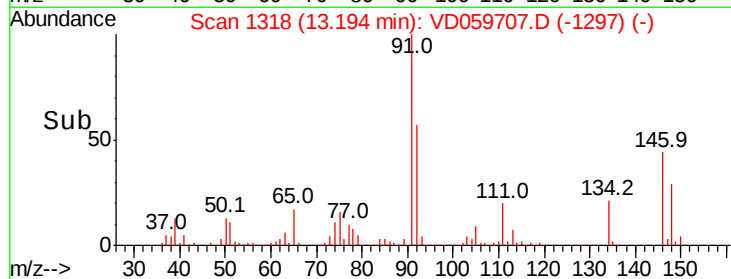
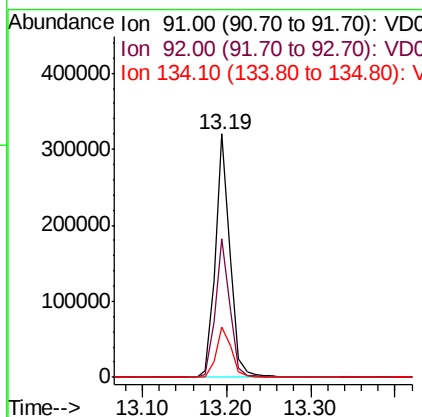
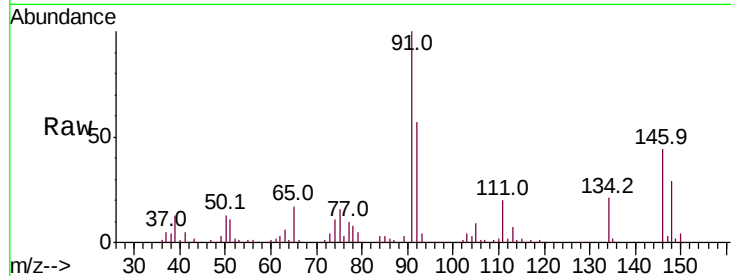




#89
n-Butylbenzene
Concen: 52.365 ug/l
RT: 13.19 min Scan# 1318
Delta R.T. 0.01 min
Lab File: VD059707.D
Acq: 8 Aug 2018 11:53

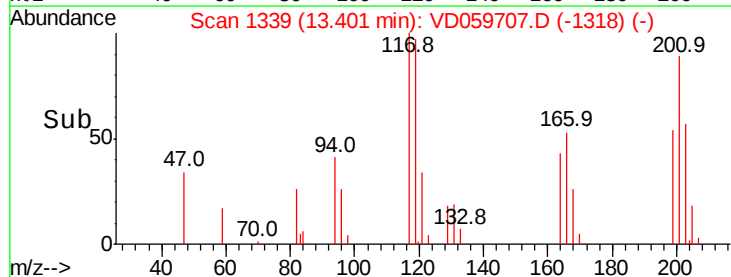
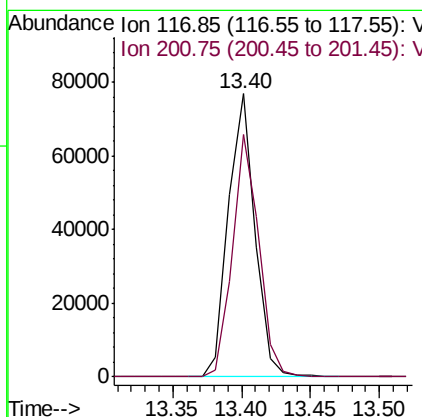
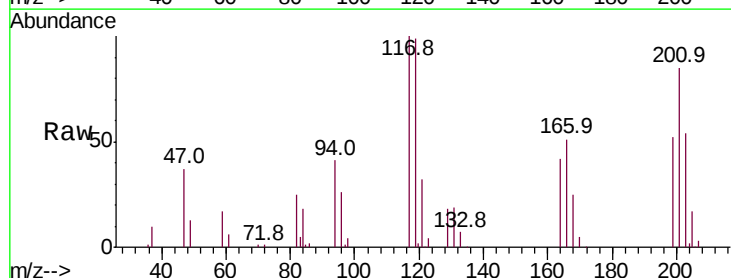
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

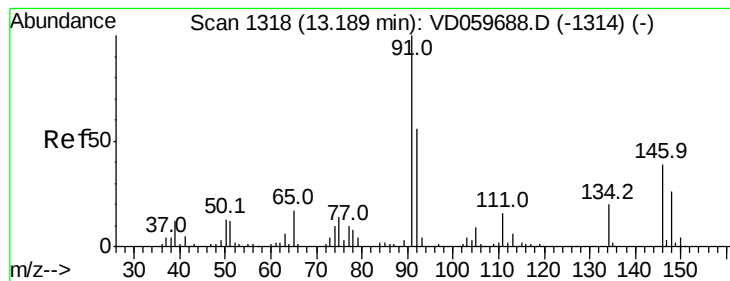
Tot Ion: 91 Resp: 384291
Ion Ratio Lower Upper
91 100
92 57.1 28.2 84.6
134 20.9 9.8 29.5



#90
Hexachloroethane
Concen: 54.706 ug/l
RT: 13.40 min Scan# 1339
Delta R.T. 0.01 min
Lab File: VD059707.D
Acq: 8 Aug 2018 11:53

Tgt Ion: 117 Resp: 102621
Ion Ratio Lower Upper
117 100
201 85.5 42.4 127.1





#91

1,2-Dichlorobenzene

Concen: 51.832 ug/l

RT: 13.19 min Scan# 1318

Delta R.T. 0.01 min

Lab File: VD059707.D

Acq: 8 Aug 2018 11:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

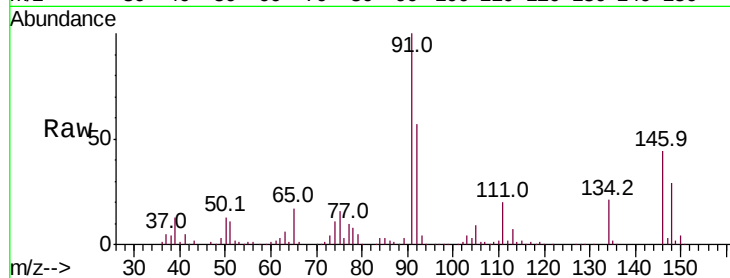
Tot Ion:146 Resp: 179999

Ion Ratio Lower Upper

146 100

111 44.7 20.8 62.2

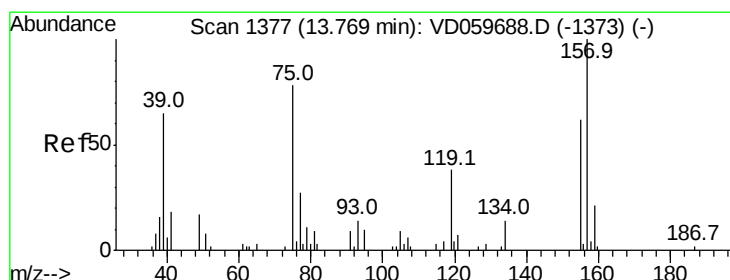
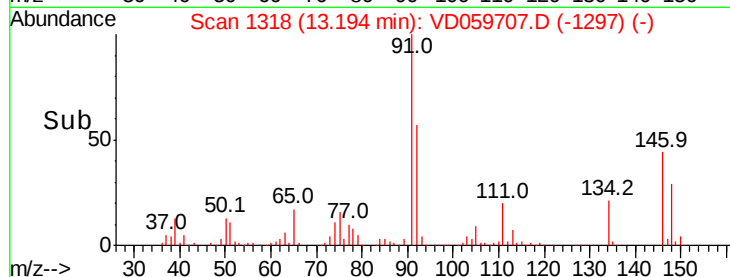
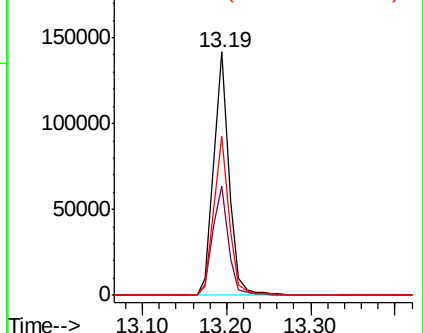
148 65.4 33.4 100.2



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 55.508 ug/l

RT: 13.77 min Scan# 1377

Delta R.T. 0.01 min

Lab File: VD059707.D

Acq: 8 Aug 2018 11:53

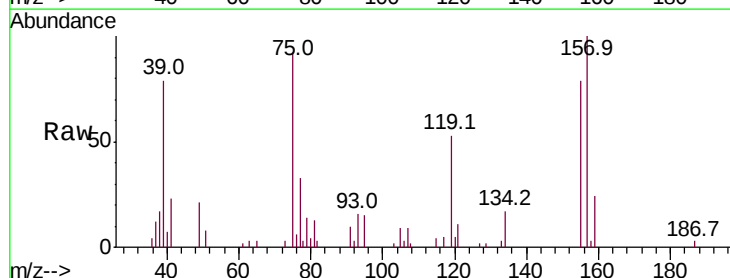
Tgt Ion: 75 Resp: 19070

Ion Ratio Lower Upper

75 100

155 85.7 40.0 119.9

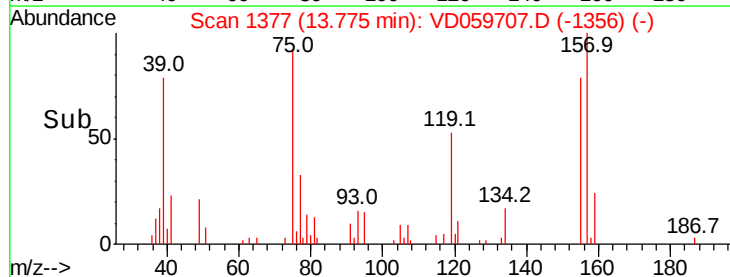
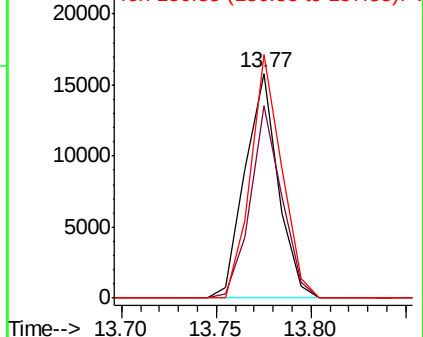
157 108.4 64.3 192.7

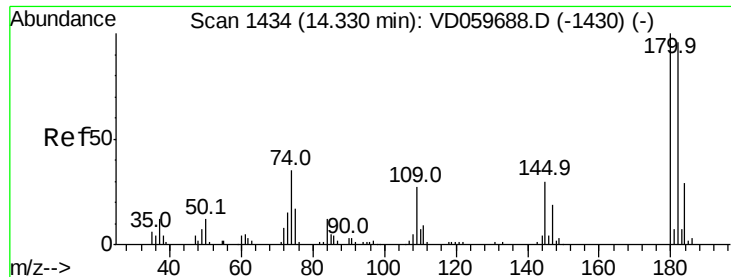


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

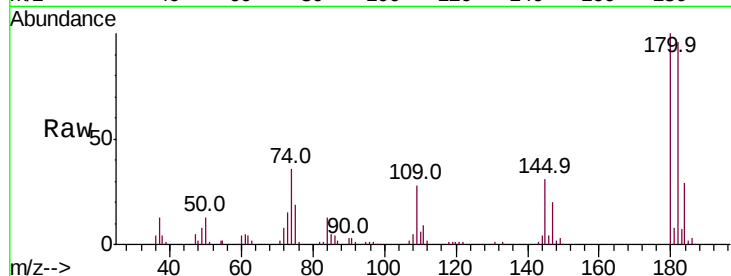




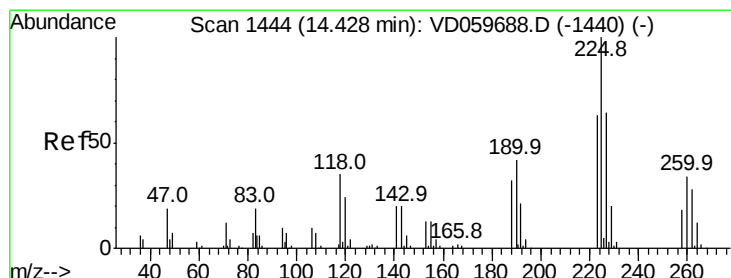
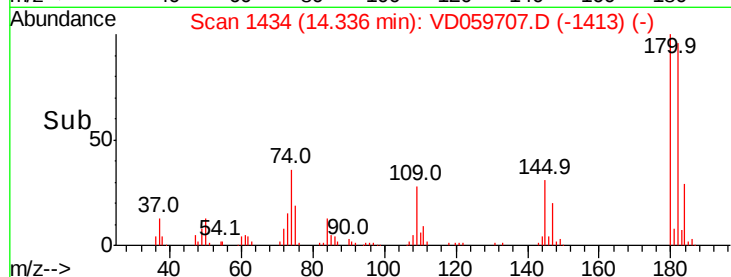
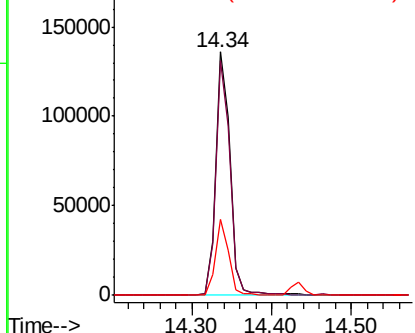
#93
 1,2,4-Trichlorobenzene
 Concen: 55.620 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VD059707.D
 Acq: 8 Aug 2018 11:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 173752
 Ion Ratio Lower Upper
 180 100
 182 96.3 48.0 144.0
 145 31.1 14.8 44.4

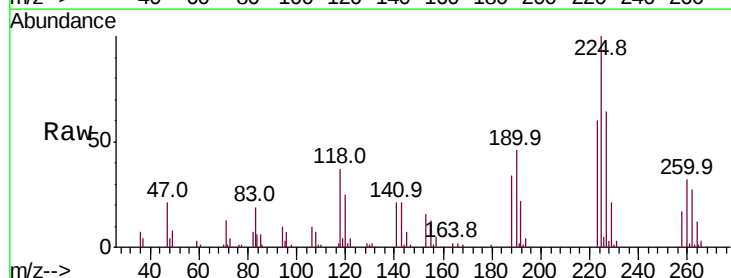


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

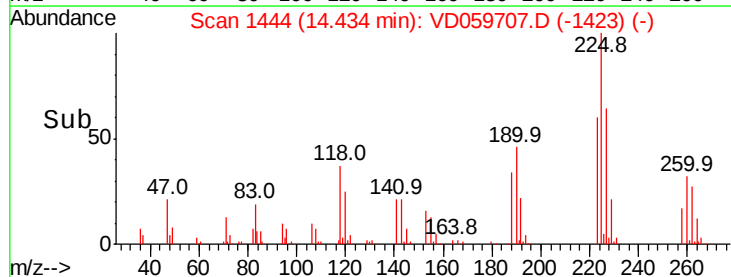
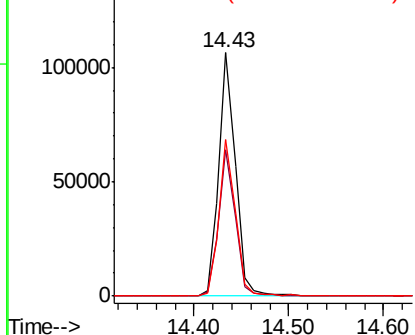


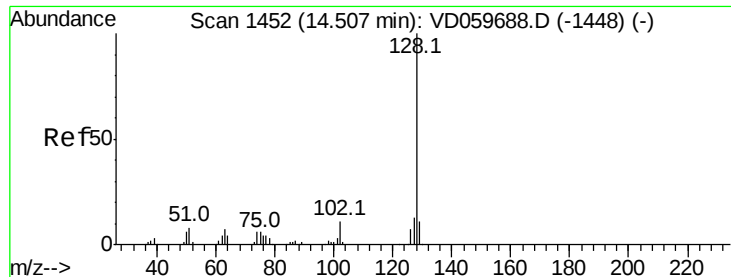
#94
 Hexachlorobutadiene
 Concen: 53.760 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. 0.01 min
 Lab File: VD059707.D
 Acq: 8 Aug 2018 11:53

Tgt Ion:225 Resp: 130243
 Ion Ratio Lower Upper
 225 100
 223 60.3 31.4 94.3
 227 64.2 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

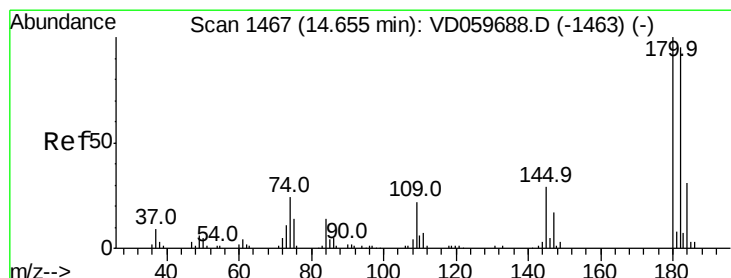
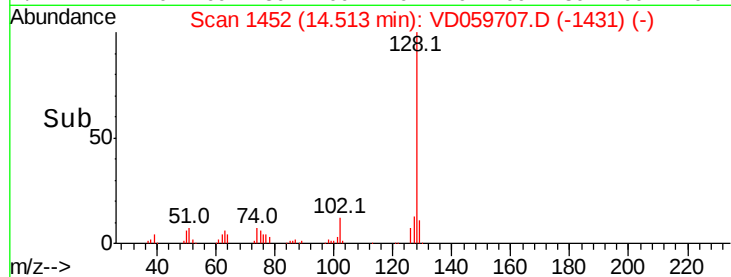
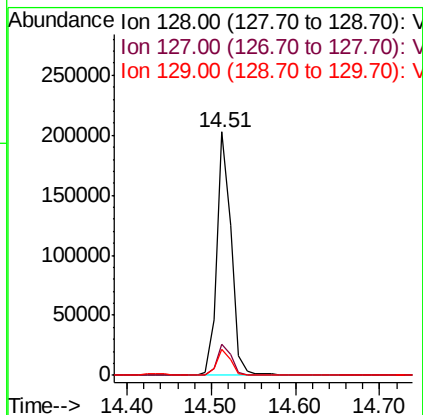
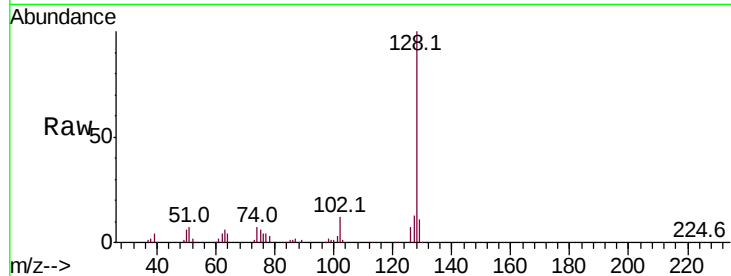




#95
Naphthalene
Concen: 51.524 ug/l
RT: 14.51 min Scan# 1452
Delta R.T. 0.01 min
Lab File: VD059707.D
Acq: 8 Aug 2018 11:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 238369
Ion Ratio Lower Upper
128 100
127 12.9 10.6 16.0
129 10.6 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 52.140 ug/l
RT: 14.66 min Scan# 1467
Delta R.T. 0.01 min
Lab File: VD059707.D
Acq: 8 Aug 2018 11:53

Tgt Ion:180 Resp: 142477
Ion Ratio Lower Upper
180 100
182 94.8 47.5 142.5
145 30.4 14.5 43.5

