

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080718\
 Data File : VD059700.D
 Acq On : 7 Aug 2018 12:58
 Operator : VA/AP
 Sample : VD0807SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0807SBS01

Quant Time: Aug 08 08:04:59 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	5.62	168	212222	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.67	114	262683	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.68	117	212167	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	115290	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.00	65	148966	54.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.14%	
35) Dibromofluoromethane	5.52	113	130729	55.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.82%	
50) Toluene-d8	8.69	98	273040	53.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.32%	
62) 4-Bromofluorobenzene	11.92	95	122032	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.32	85	57911	19.44	ug/l	99
3) Chloromethane	1.46	50	23854	17.97	ug/l #	84
4) Vinyl Chloride	1.54	62	28475	18.37	ug/l	95
5) Bromomethane	1.77	94	8090	15.86	ug/l #	75
6) Chloroethane	1.85	64	10910	17.32	ug/l	93
7) Trichlorofluoromethane	2.06	101	47200	18.69	ug/l	96
8) Diethyl Ether	2.33	74	9245	19.98	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.53	101	28580	20.03	ug/l	98
10) Methyl Iodide	2.67	142	28798	17.56	ug/l	91
11) Tert butyl alcohol	3.25	59	10254	103.23	ug/l #	76
12) 1,1-Dichloroethene	2.52	96	20662	19.82	ug/l	90
13) Acrolein	2.44	56	8557	91.71	ug/l	94
14) Allyl chloride	2.90	41	45191	18.95	ug/l	97
15) Acrylonitrile	3.33	53	27525	99.90	ug/l	94
16) Acetone	2.60	43	45031	87.81	ug/l	100
17) Carbon Disulfide	2.73	76	66839	17.75	ug/l	100
18) Methyl Acetate	2.92	43	16037	16.92	ug/l #	91
19) Methyl tert-butyl Ether	3.39	73	82546	20.75	ug/l	98
20) Methylene Chloride	3.04	84	34359	17.86	ug/l	89
21) trans-1,2-Dichloroethene	3.36	96	24470	17.93	ug/l	99
22) Diisopropyl ether	4.05	45	116076	20.69	ug/l	99
23) Vinyl Acetate	3.99	43	365156	102.66	ug/l	98
24) 1,1-Dichloroethane	3.94	63	76179	20.51	ug/l	100
25) 2-Butanone	4.82	43	59057	87.68	ug/l	99
26) 2,2-Dichloropropane	4.78	77	80099	20.20	ug/l	96
27) cis-1,2-Dichloroethene	4.78	96	41407	20.90	ug/l	91
28) Bromochloromethane	5.12	49	28583	20.85	ug/l	99
29) Tetrahydrofuran	5.17	42	27676	106.10	ug/l	94
30) Chloroform	5.30	83	91913	20.31	ug/l	99
31) Cyclohexane	5.57	56	52680	19.73	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	87552	19.89	ug/l	97
36) 1,1-Dichloropropene	5.72	75	59063	20.22	ug/l	98
37) Ethyl Acetate	4.90	43	29610	20.88	ug/l #	95
38) Carbon Tetrachloride	5.70	117	81097	20.75	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.27	83	50515	20.47	ug/l	95
40) Benzene	6.00	78	116433	20.56	ug/l	99
41) Methacrylonitrile	5.11	41	13670	20.62	ug/l	89
42) 1,2-Dichloroethane	6.10	62	71524	20.43	ug/l	99
43) Isopropyl Acetate	7.60	43	37379	20.17	ug/l	96
44) Trichloroethene	6.96	130	43295	20.92	ug/l	96
45) 1,2-Dichloropropane	7.32	63	30006	20.06	ug/l	99
46) Dibromomethane	7.44	93	27277	21.05	ug/l	99
47) Bromodichloromethane	7.73	83	64651	19.59	ug/l	96
48) Methyl methacrylate	7.49	41	25324	20.70	ug/l	93
49) 1,4-Dioxane	7.47	88	4050	405.43	ug/l #	68
51) 4-Methyl-2-Pentanone	8.58	43	122049	90.30	ug/l	96
52) Toluene	8.79	92	72541	20.08	ug/l	89
53) t-1,3-Dichloropropene	9.17	75	58016	20.77	ug/l	99
54) cis-1,3-Dichloropropene	8.35	75	58872	20.47	ug/l	92
55) 1,1,2-Trichloroethane	9.44	97	27828	20.05	ug/l	95
56) Ethyl methacrylate	9.30	69	30230	19.74	ug/l	95
57) 1,3-Dichloropropane	9.66	76	43509	20.21	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.17	63	80254	110.02	ug/l	97
59) 2-Hexanone	9.77	43	93786	92.40	ug/l	92
60) Dibromochloromethane	9.94	129	46152	20.93	ug/l	99
61) 1,2-Dibromoethane	10.08	107	32299	20.24	ug/l	86
64) Tetrachloroethene	9.50	164	38044	18.94	ug/l	88
65) Chlorobenzene	10.71	112	93967	21.02	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.84	131	41186	21.01	ug/l	94
67) Ethyl Benzene	10.85	91	161701	20.08	ug/l	99
68) m/p-Xylenes	11.00	106	109161	42.38	ug/l	86
69) o-Xylene	11.40	106	50220	20.05	ug/l	95
70) Styrene	11.43	104	82173	19.55	ug/l	93
71) Bromoform	11.59	173	30533	20.68	ug/l	99
73) Isopropylbenzene	11.76	105	153075	19.76	ug/l	100
74) N-amyl acetate	11.63	43	49633	20.02	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.08	83	26187	16.84	ug/l	97
76) 1,2,3-Trichloropropane	12.11	75	37661	21.13	ug/l	98
77) Bromobenzene	12.04	156	49092	21.74	ug/l	77
78) n-propylbenzene	12.14	91	199268	20.75	ug/l	99
79) 2-Chlorotoluene	12.20	91	120283	20.74	ug/l	99
80) 1,3,5-Trimethylbenzene	12.31	105	128570	19.92	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.83	75	8809	20.25	ug/l	98
82) 4-Chlorotoluene	12.32	91	140913	20.76	ug/l	86
83) tert-Butylbenzene	12.57	119	150827	20.88	ug/l	99
84) 1,2,4-Trimethylbenzene	12.62	105	139819	20.44	ug/l	97
85) sec-Butylbenzene	12.74	105	164454	20.50	ug/l	99
86) p-Isopropyltoluene	12.88	119	140556	20.55	ug/l	93
87) 1,3-Dichlorobenzene	12.83	146	81809	20.99	ug/l	99
88) 1,4-Dichlorobenzene	12.92	146	80093	20.60	ug/l	98
89) n-Butylbenzene	13.19	91	142482	20.54	ug/l	100
90) Hexachloroethane	13.39	117	36367	20.51	ug/l	95
91) 1,2-Dichlorobenzene	13.19	146	70002	21.33	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.77	75	6095	18.77	ug/l	82

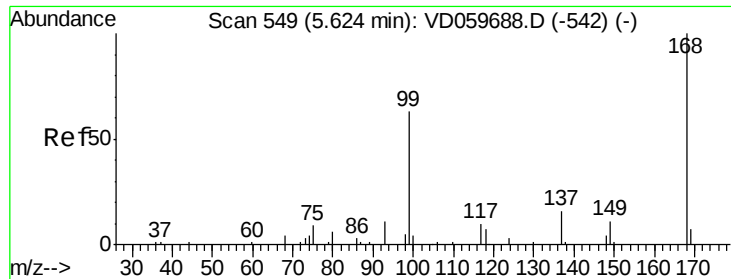
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080718\
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ClientSampleId :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	57147	19.35	ug/l	97
94) Hexachlorobutadiene	14.43	225	44076	19.25	ug/l	96
95) Naphthalene	14.51	128	91041	20.82	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	51712	20.02	ug/l	98

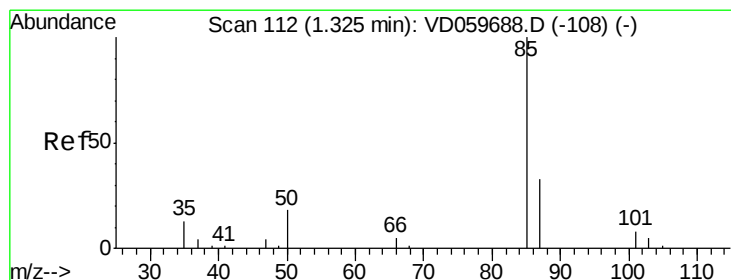
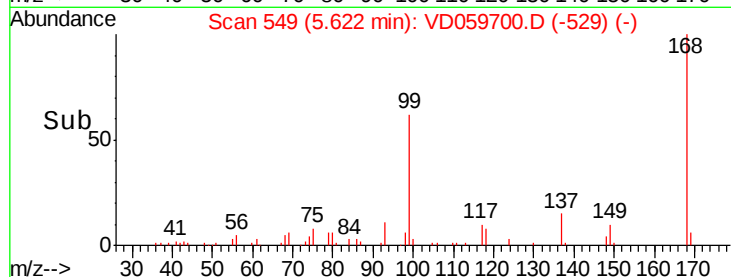
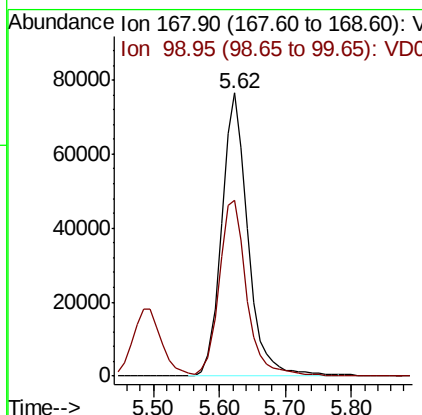
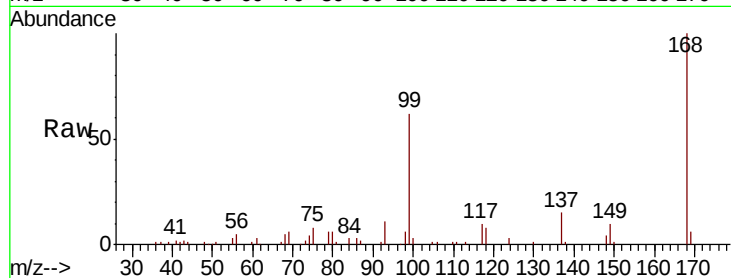
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.62 min Scan# 549
Delta R.T. -0.00 min
Lab File: VD059700.D
Acq: 7 Aug 2018 12:58

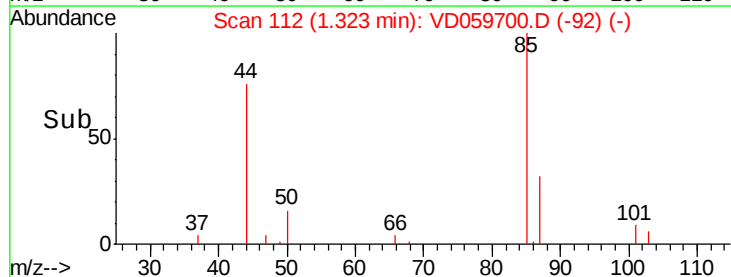
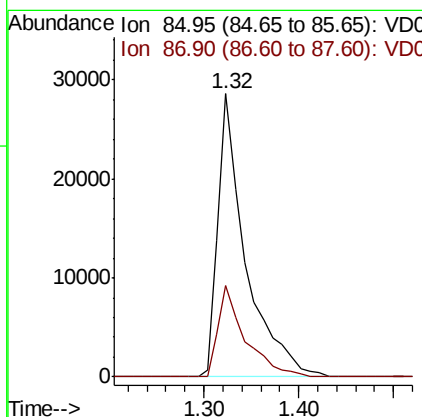
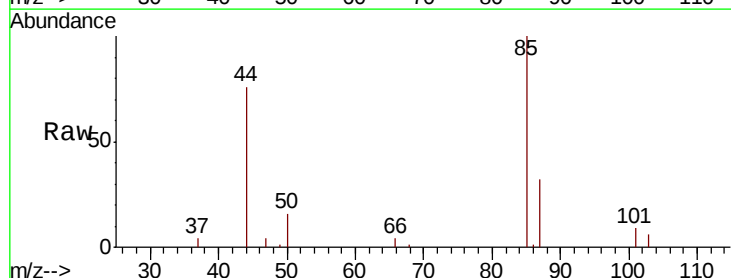
Instrument :
MSVOA_D
ClientSampleId :
VD0807SBSD01

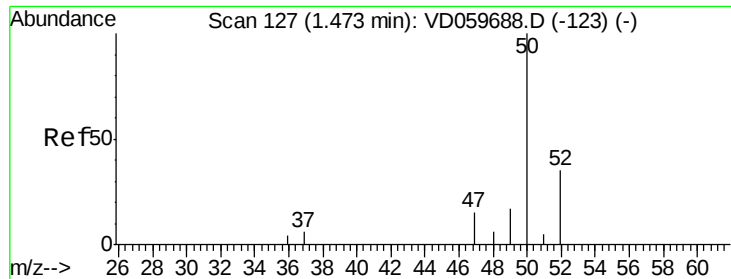
Tot Ion:168 Resp: 212222
Ion Ratio Lower Upper
168 100
99 62.1 53.4 80.2



#2
Dichlorodifluoromethane
Concen: 19.44 ug/l
RT: 1.32 min Scan# 112
Delta R.T. -0.00 min
Lab File: VD059700.D
Acq: 7 Aug 2018 12:58

Tgt Ion: 85 Resp: 57911
Ion Ratio Lower Upper
85 100
87 32.1 16.4 49.1

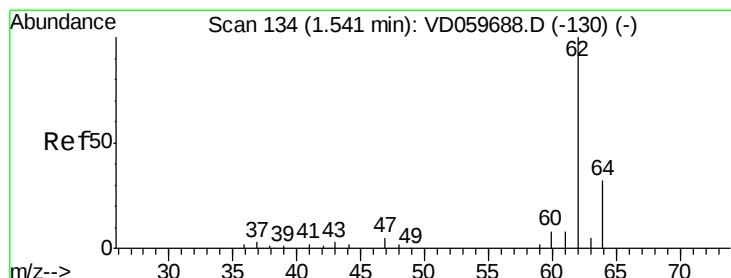
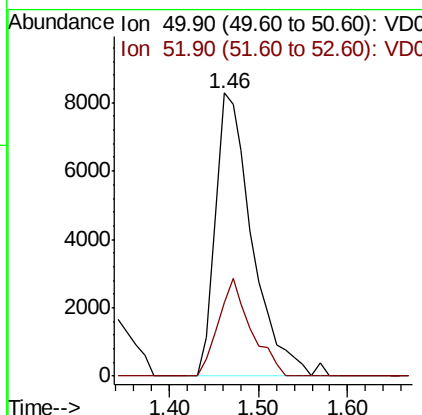
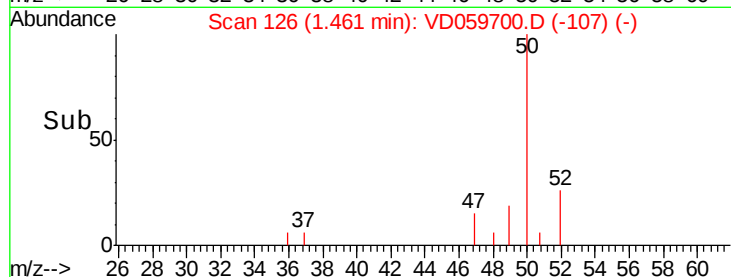
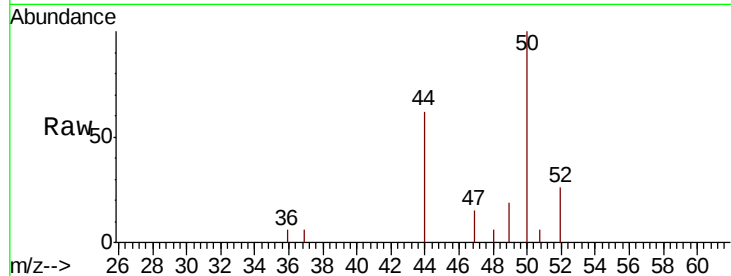




#3
Chloromethane
Concen: 17.97 ug/l
RT: 1.46 min Scan# 126
Delta R.T. -0.01 min
Lab File: VD059700.D
Acq: 7 Aug 2018 12:58

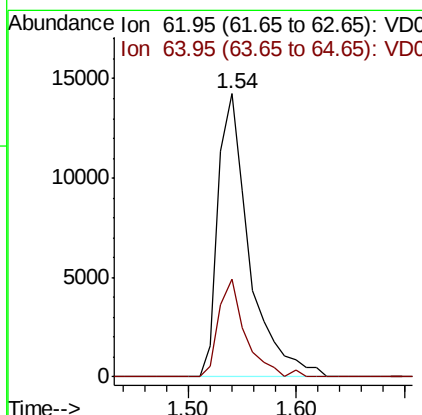
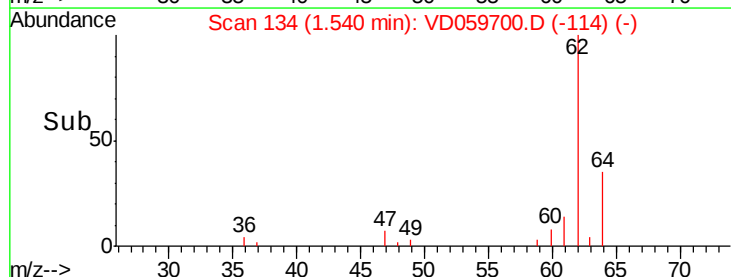
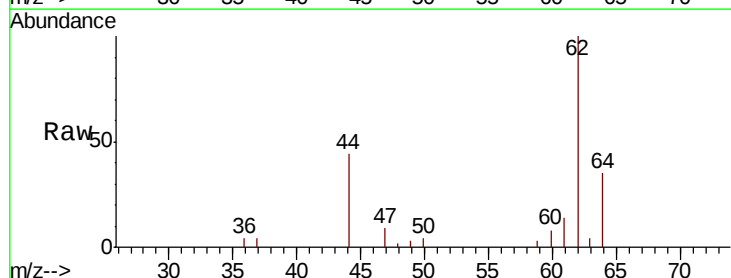
Instrument :
MSVOA_D
ClientSampleId :
VD0807SBSD01

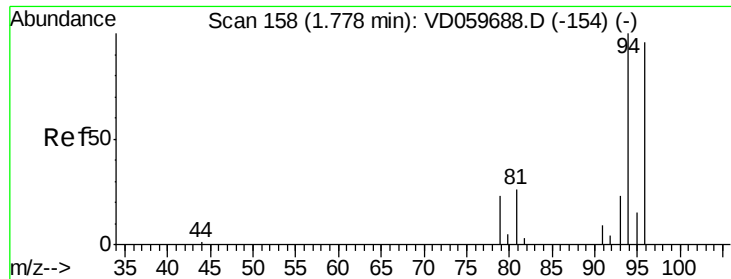
Tot Ion: 50 Resp: 23854
Ion Ratio Lower Upper
50 100
52 26.1 28.2 42.4#



#4
Vinyl Chloride
Concen: 18.37 ug/l
RT: 1.54 min Scan# 134
Delta R.T. -0.00 min
Lab File: VD059700.D
Acq: 7 Aug 2018 12:58

Tgt Ion: 62 Resp: 28475
Ion Ratio Lower Upper
62 100
64 34.7 25.4 38.0





#5

Bromomethane

Concen: 15.86 ug/l

RT: 1.77 min Scan# 157

Delta R.T. -0.01 min

Lab File: VD059700.D

Acq: 7 Aug 2018 12:58

Instrument :

MSVOA_D

ClientSampleId :

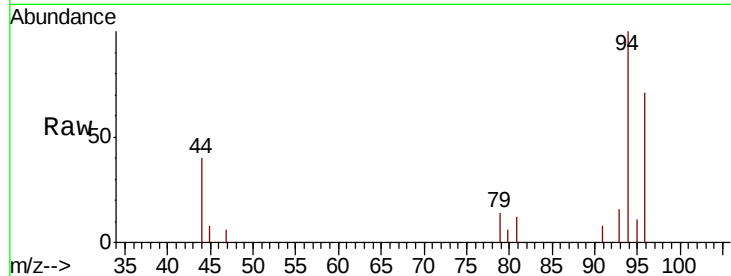
VD0807SBSD01

Tot Ion: 94 Resp: 8090

Ion Ratio Lower Upper

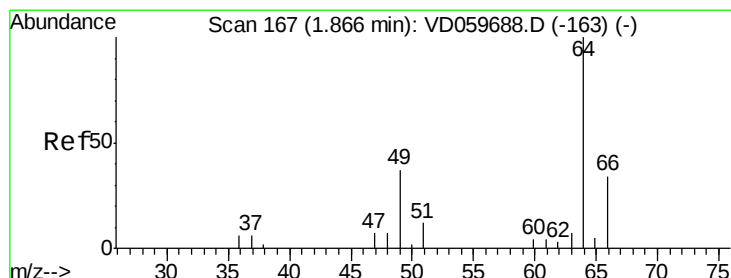
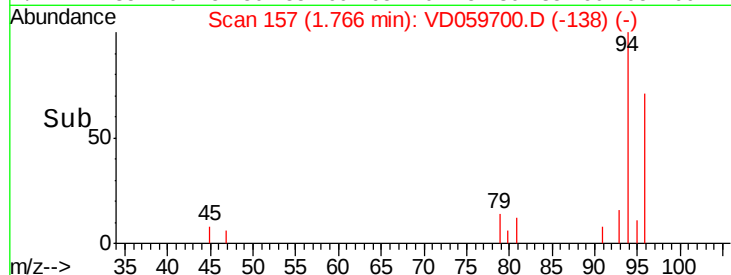
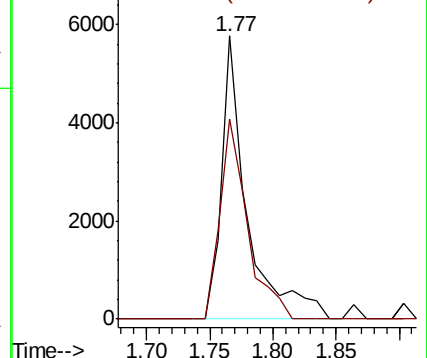
94 100

96 70.9 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: 17.32 ug/l

RT: 1.85 min Scan# 166

Delta R.T. -0.01 min

Lab File: VD059700.D

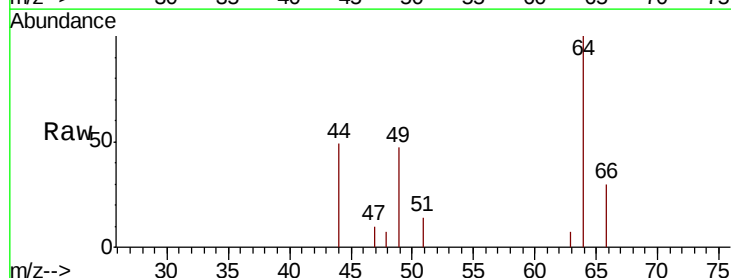
Acq: 7 Aug 2018 12:58

Tgt Ion: 64 Resp: 10910

Ion Ratio Lower Upper

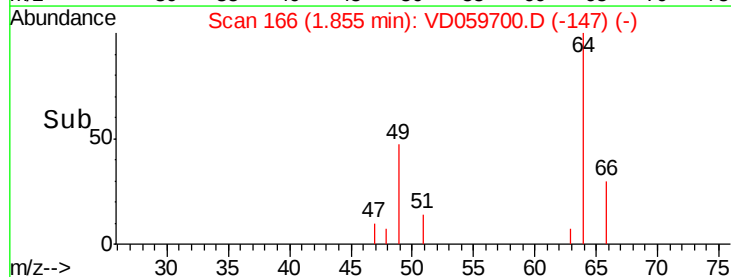
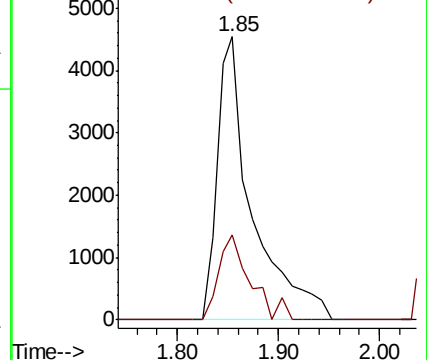
64 100

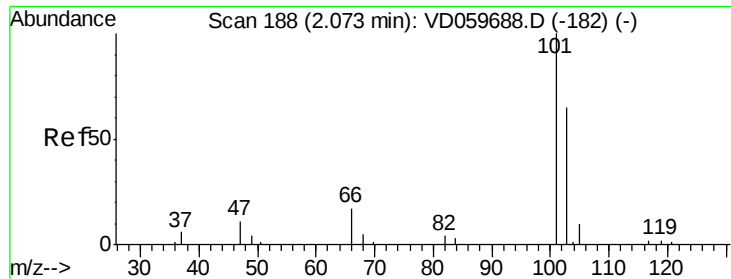
66 30.1 27.2 40.8



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



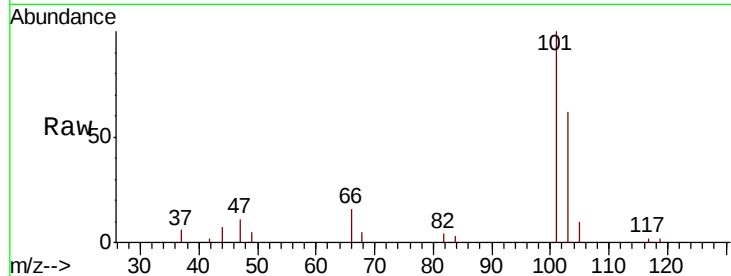


#7

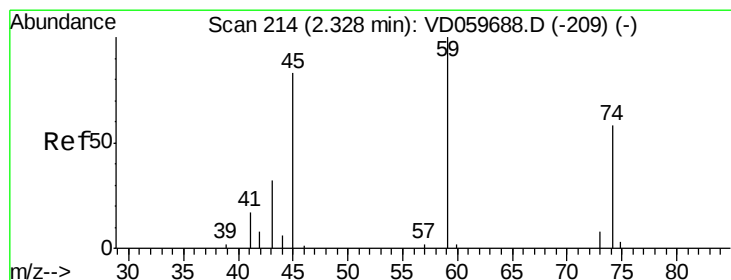
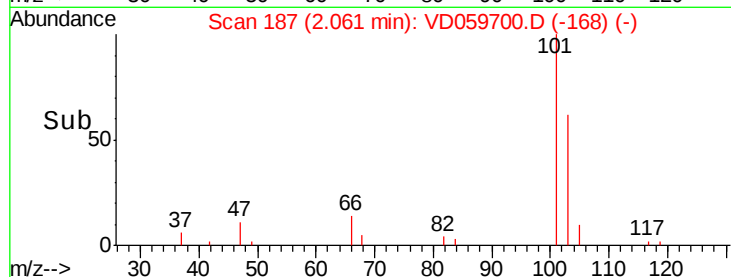
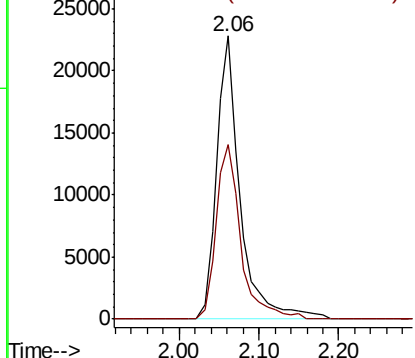
Trichlorofluoromethane
 Concen: 18.69 ug/l
 RT: 2.06 min Scan# 187
 Delta R.T. -0.01 min
 Lab File: VD059700.D
 Acq: 7 Aug 2018 12:58

Instrument :
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 ClientSampleId :
 VD0807SBSD01

Tot Ion:101 Resp: 47200
 Ion Ratio Lower Upper
 101 100
 103 61.5 51.7 77.5



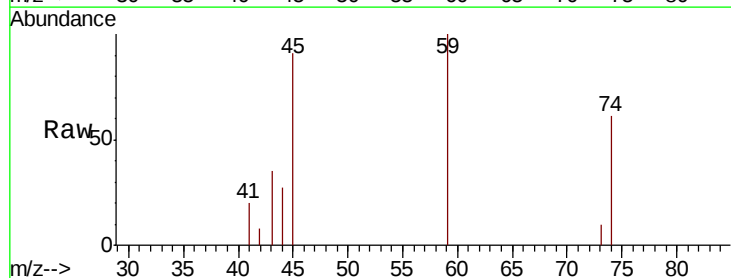
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



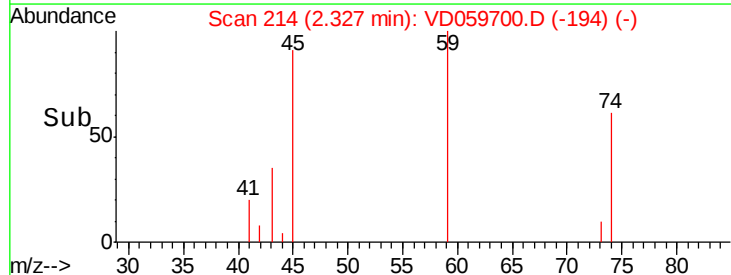
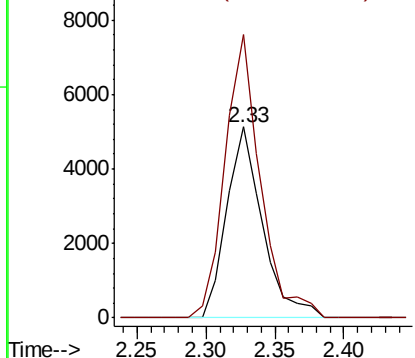
#8

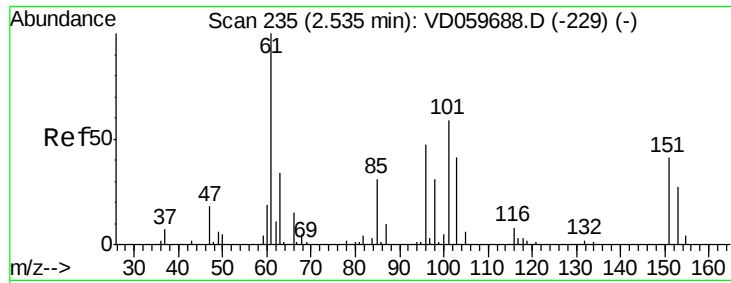
Diethyl Ether
 Concen: 19.98 ug/l
 RT: 2.33 min Scan# 214
 Delta R.T. -0.00 min
 Lab File: VD059700.D
 Acq: 7 Aug 2018 12:58

Tgt Ion: 74 Resp: 9245
 Ion Ratio Lower Upper
 74 100
 45 148.1 71.4 214.2



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.03 ug/l

RT: 2.53 min Scan# 235

Delta R.T. -0.00 min

Lab File: VD059700.D

Acq: 7 Aug 2018 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0807SBSD01

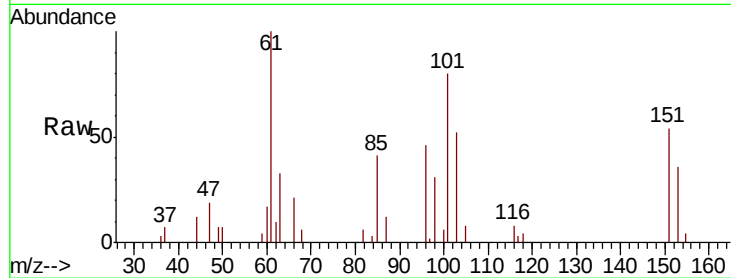
Tot Ion:101 Resp: 28580

Ion Ratio Lower Upper

101 100

85 51.6 42.2 63.4

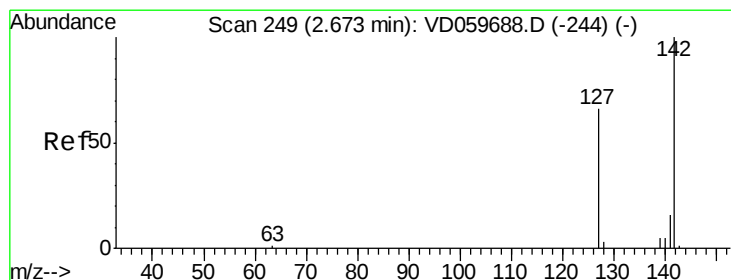
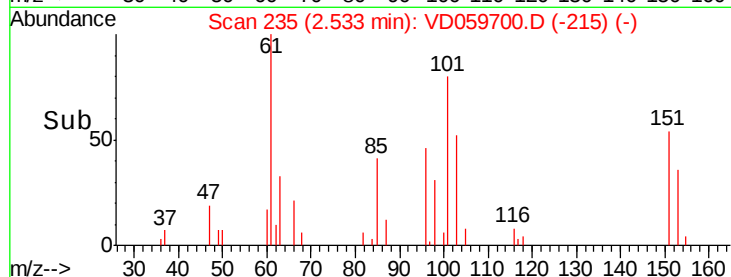
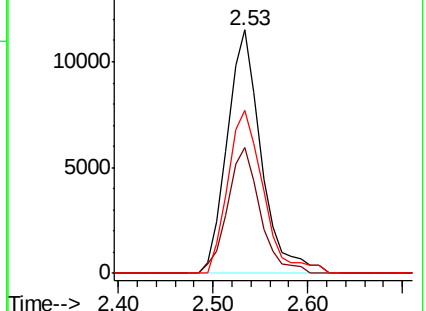
151 67.0 55.2 82.8



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: 17.56 ug/l

RT: 2.67 min Scan# 249

Delta R.T. -0.00 min

Lab File: VD059700.D

Acq: 7 Aug 2018 12:58

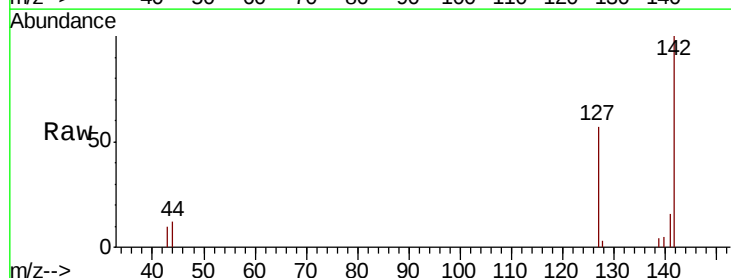
Tgt Ion:142 Resp: 28798

Ion Ratio Lower Upper

142 100

127 56.8 52.6 79.0

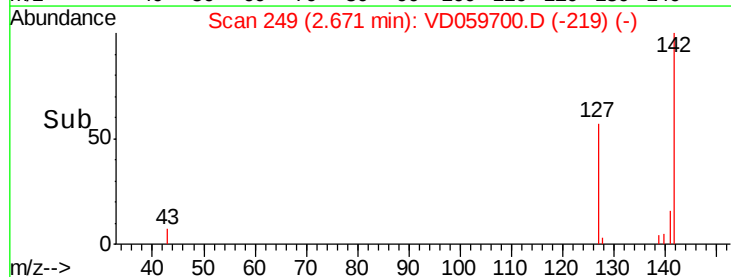
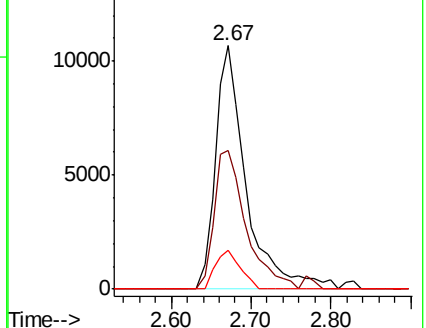
141 15.8 12.5 18.7

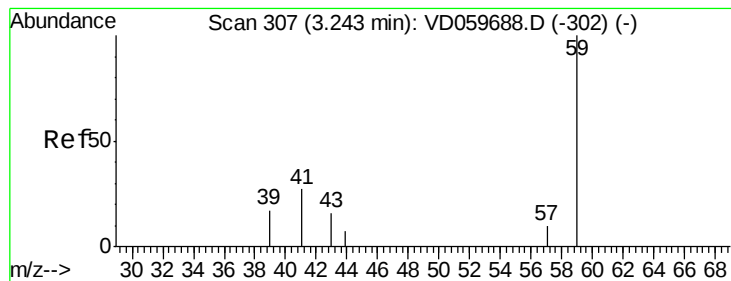


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



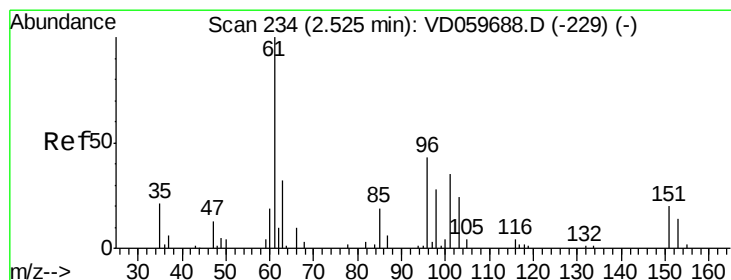
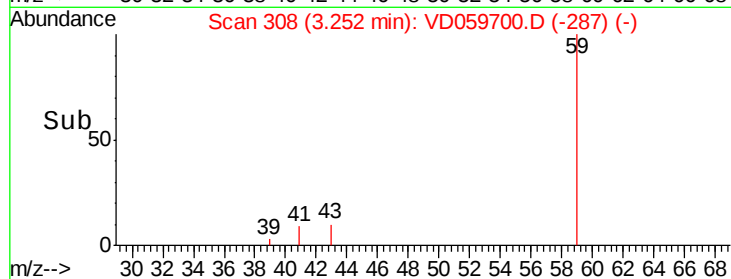
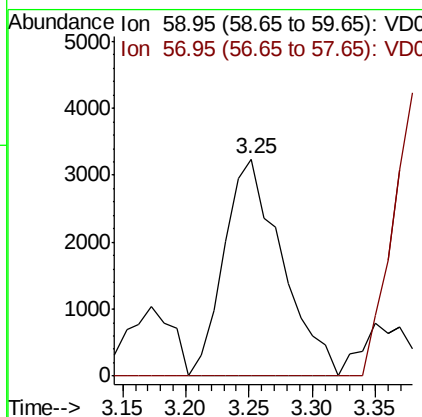
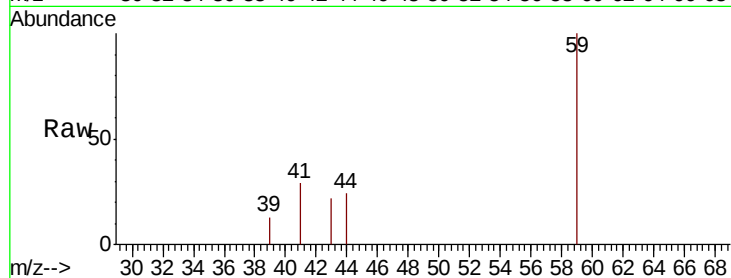


#11

Tert butyl alcohol
 Concen: 103.23 ug/l
 RT: 3.25 min Scan# 308
 Delta R.T. 0.01 min
 Lab File: VD059700.D
 Acq: 7 Aug 2018 12:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0807SBS01

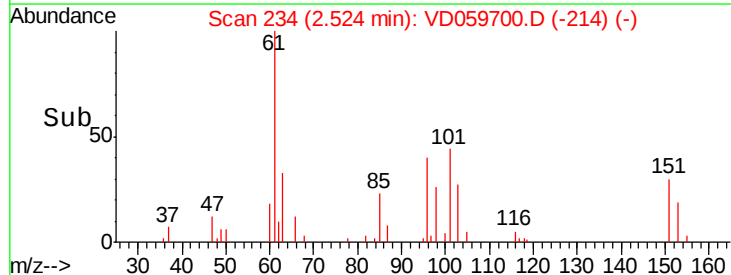
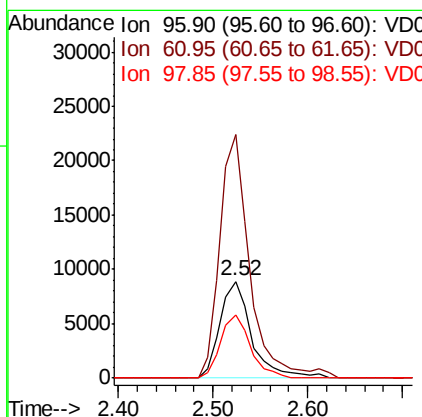
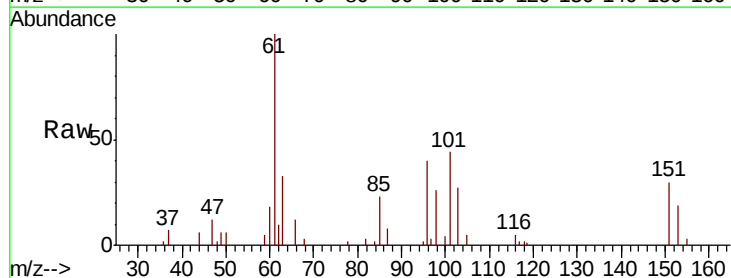
Tot Ion: 59 Resp: 10254
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.8 10.2#

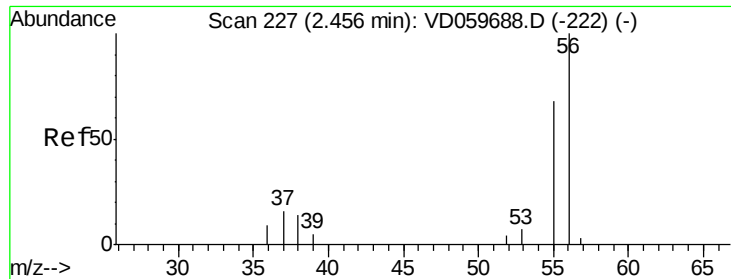


#12

1,1-Dichloroethene
 Concen: 19.82 ug/l
 RT: 2.52 min Scan# 234
 Delta R.T. -0.00 min
 Lab File: VD059700.D
 Acq: 7 Aug 2018 12:58

Tgt Ion: 96 Resp: 20662
 Ion Ratio Lower Upper
 96 100
 61 250.9 184.1 276.1
 98 65.3 52.4 78.6





#13

Acrolein

Concen: 91.71 ug/l

RT: 2.44 min Scan# 226

Delta R.T. -0.01 min

Lab File: VD059700.D

Acq: 7 Aug 2018 12:58

Instrument :

MSVOA_D

ClientSampleId :

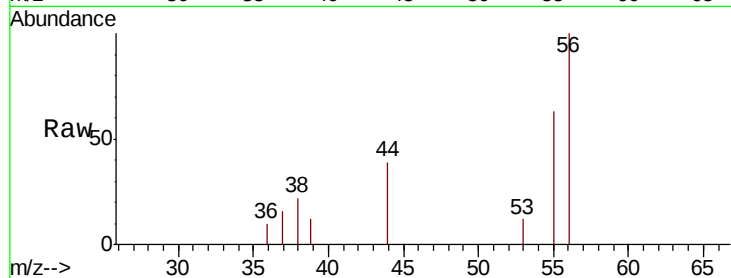
VD0807SBSD01

Tot Ion: 56 Resp: 8557

Ion Ratio Lower Upper

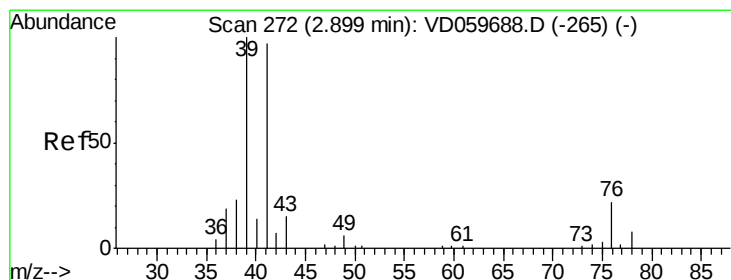
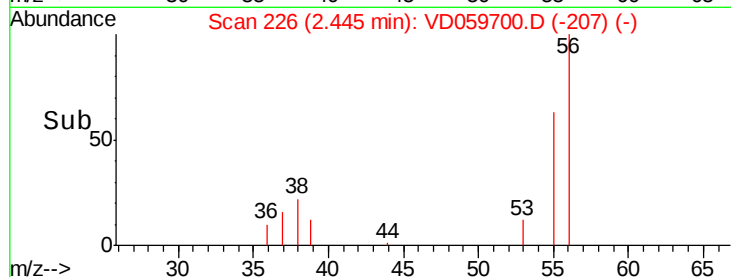
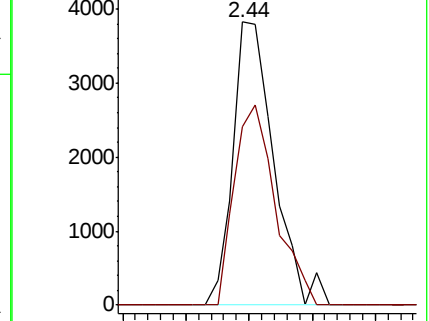
56 100

55 63.0 54.4 81.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 18.95 ug/l

RT: 2.90 min Scan# 272

Delta R.T. -0.00 min

Lab File: VD059700.D

Acq: 7 Aug 2018 12:58

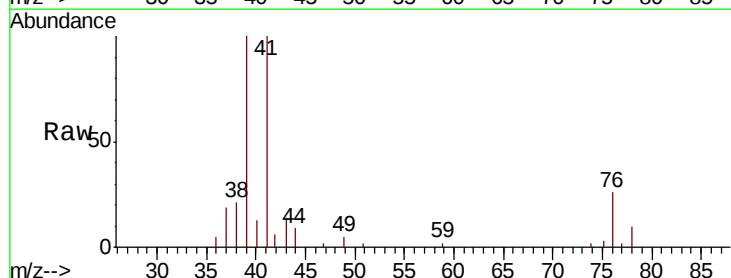
Tgt Ion: 41 Resp: 45191

Ion Ratio Lower Upper

41 100

39 99.7 82.5 123.7

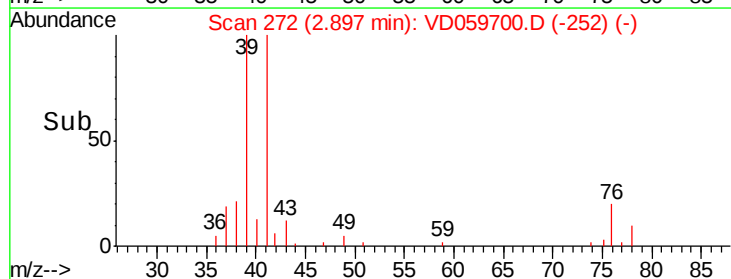
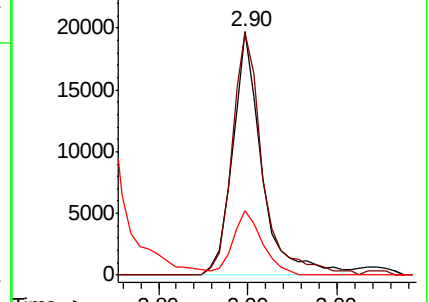
76 26.3 22.1 33.1

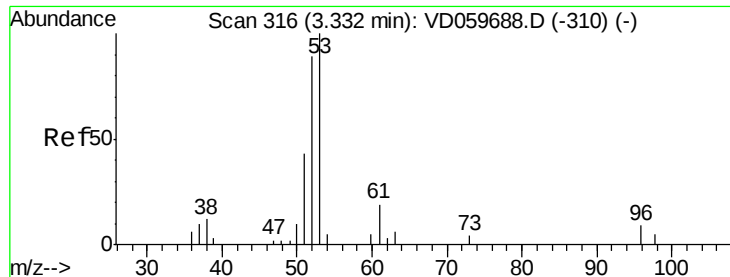


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 99.90 ug/l

RT: 3.33 min Scan# 316

Delta R.T. -0.00 min

Lab File: VD059700.D

Acq: 7 Aug 2018 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0807SBS01

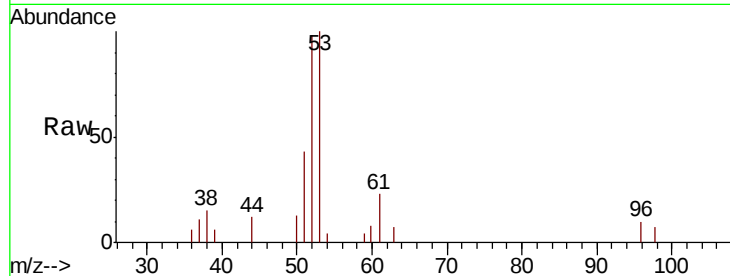
Tot Ion: 53 Resp: 27525

Ion Ratio Lower Upper

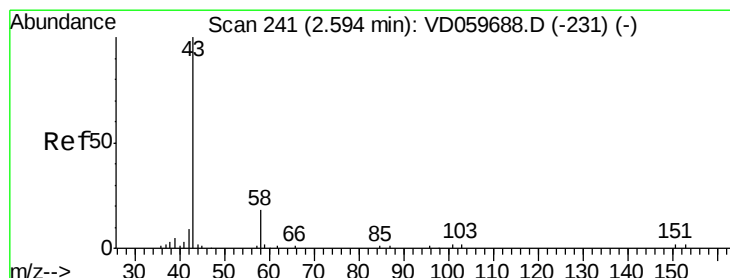
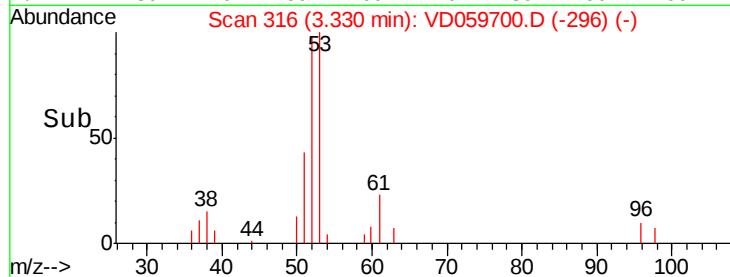
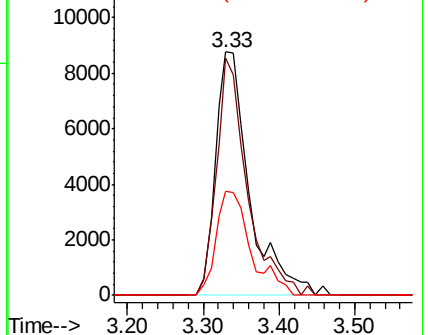
53 100

52 97.7 71.4 107.0

51 42.5 34.2 51.4



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



#16

Acetone

Concen: 87.81 ug/l

RT: 2.60 min Scan# 242

Delta R.T. 0.01 min

Lab File: VD059700.D

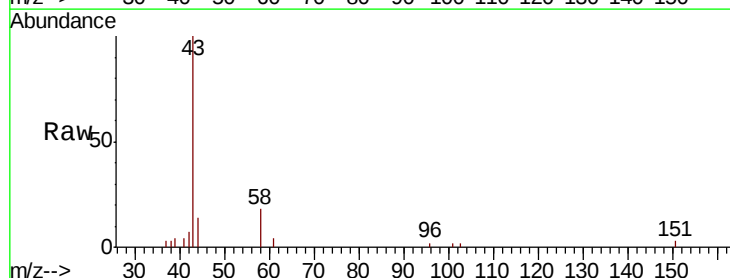
Acq: 7 Aug 2018 12:58

Tgt Ion: 43 Resp: 45031

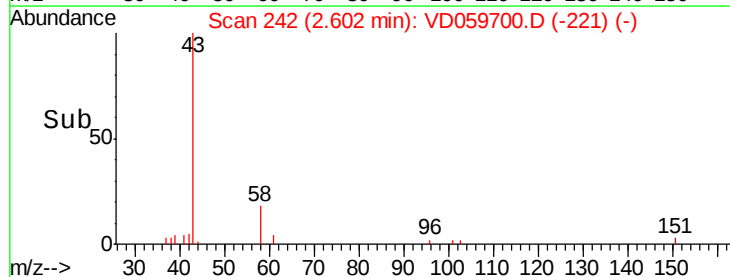
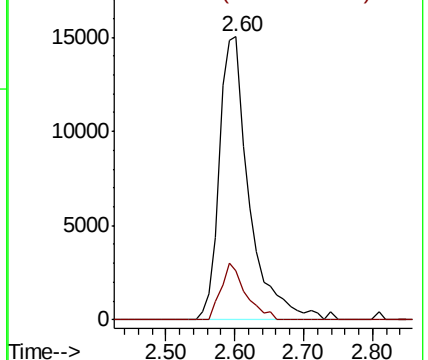
Ion Ratio Lower Upper

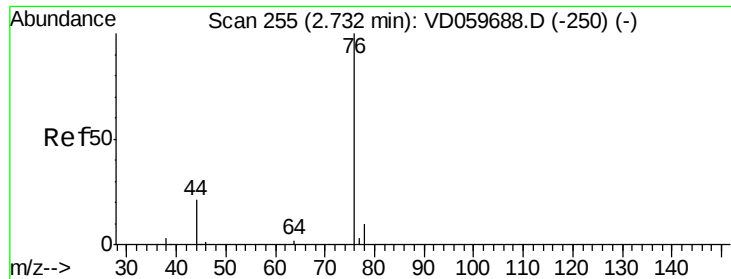
43 100

58 17.6 14.2 21.2



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

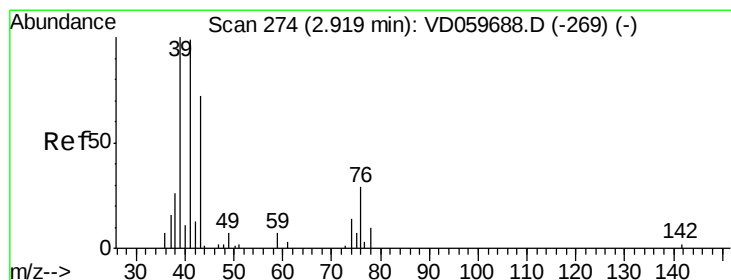
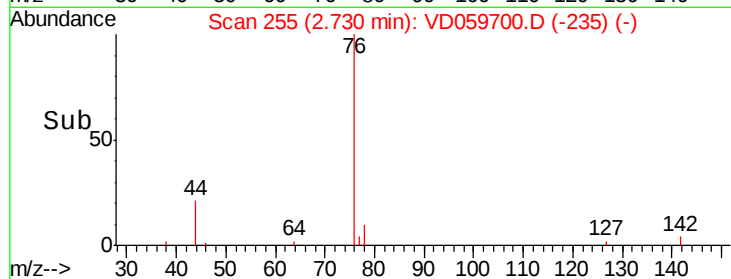
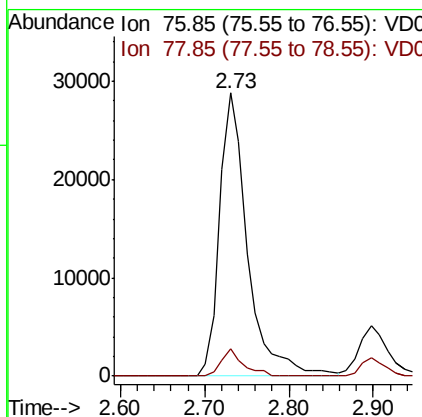
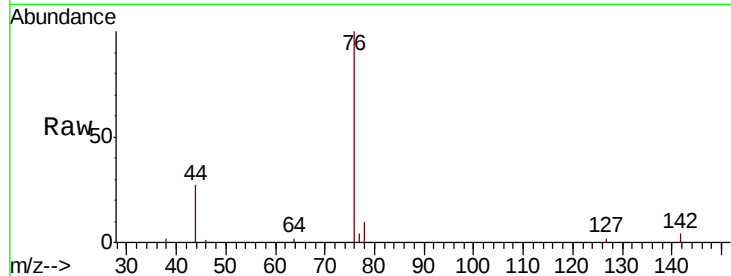




#17
Carbon Disulfide
Concen: 17.75 ug/l
RT: 2.73 min Scan# 255
Delta R.T. -0.00 min
Lab File: VD059700.D
Acq: 7 Aug 2018 12:58

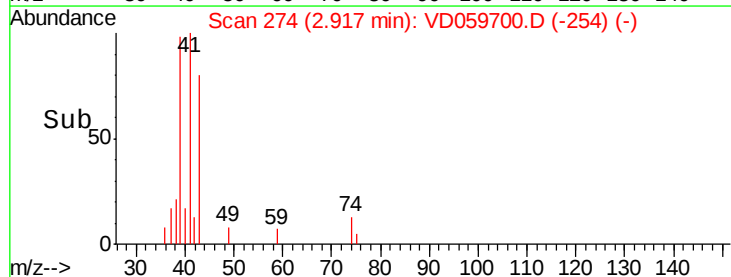
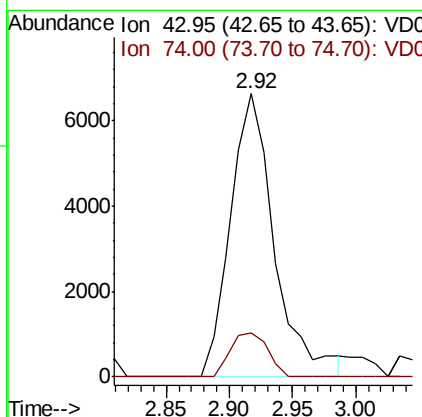
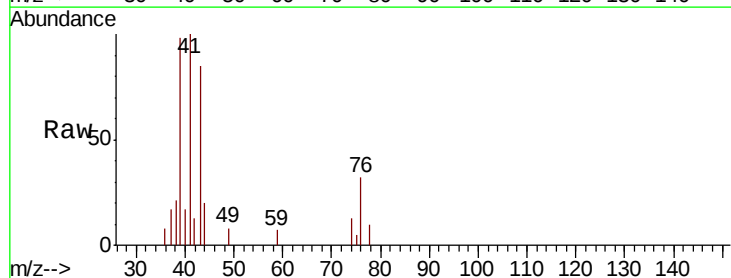
Instrument :
MSVOA_D
ClientSampleId :
VD0807SBSD01

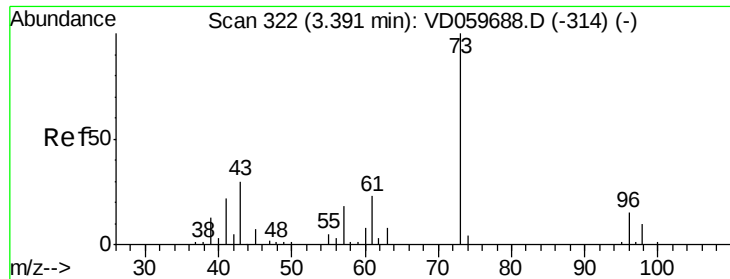
Tot Ion: 76 Resp: 66839
Ion Ratio Lower Upper
76 100
78 9.7 7.7 11.5



#18
Methyl Acetate
Concen: 16.92 ug/l
RT: 2.92 min Scan# 274
Delta R.T. -0.00 min
Lab File: VD059700.D
Acq: 7 Aug 2018 12:58

Tgt Ion: 43 Resp: 16037
Ion Ratio Lower Upper
43 100
74 15.5 15.7 23.5#

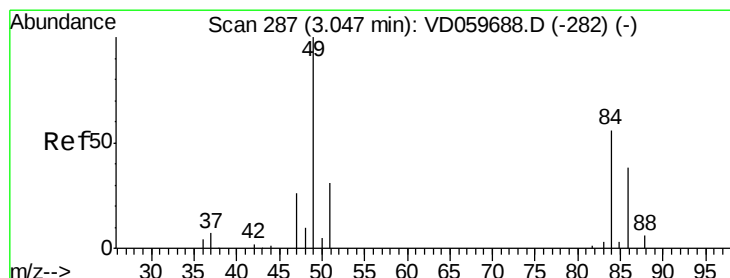
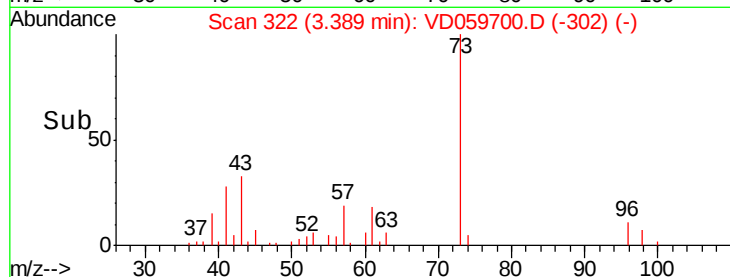
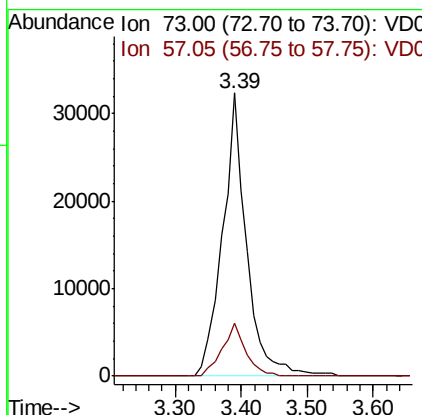
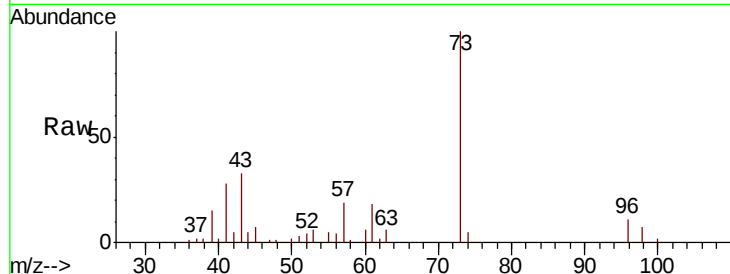




#19
Methvl tert-butvl Ether
Concen: 20.75 ug/l
RT: 3.39 min Scan# 322
Delta R.T. -0.00 min
Lab File: VD059700.D
Acq: 7 Aug 2018 12:58

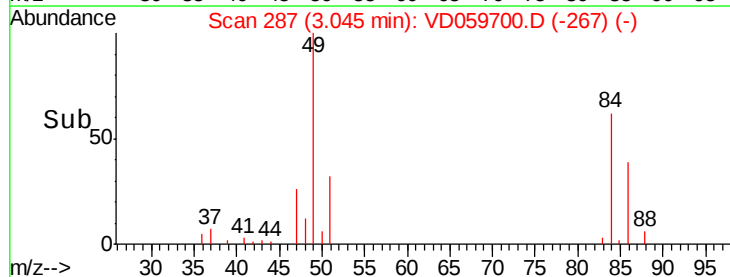
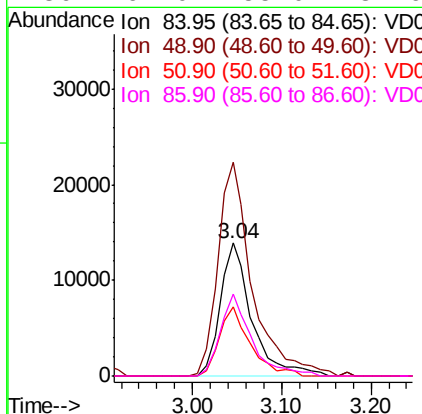
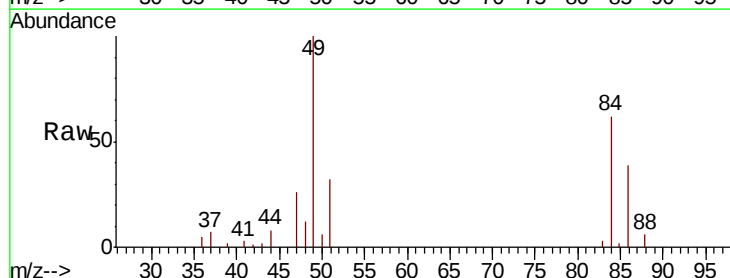
Instrument :
MSVOA_D
ClientSampleId :
VD0807SBSD01

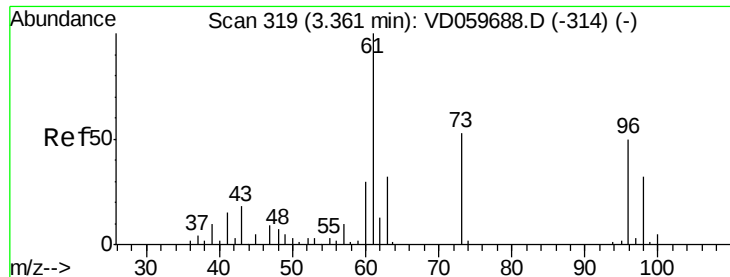
Tot Ion: 73 Resp: 82546
Ion Ratio Lower Upper
73 100
57 18.9 14.3 21.5



#20
Methylene Chloride
Concen: 17.86 ug/l
RT: 3.04 min Scan# 287
Delta R.T. -0.00 min
Lab File: VD059700.D
Acq: 7 Aug 2018 12:58

Tgt Ion: 84 Resp: 34359
Ion Ratio Lower Upper
84 100
49 160.7 143.4 215.2
51 52.0 44.2 66.4
86 62.0 55.0 82.6





#21

trans-1,2-Dichloroethene

Concen: 17.93 ug/l

RT: 3.36 min Scan# 319

Delta R.T. -0.00 min

Lab File: VD059700.D

Acq: 7 Aug 2018 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0807SBSD01

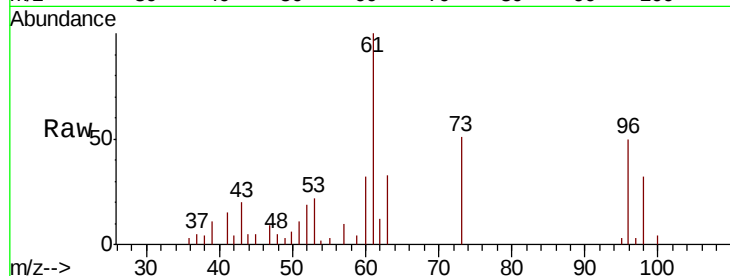
Tot Ion: 96 Resp: 24470

Ion Ratio Lower Upper

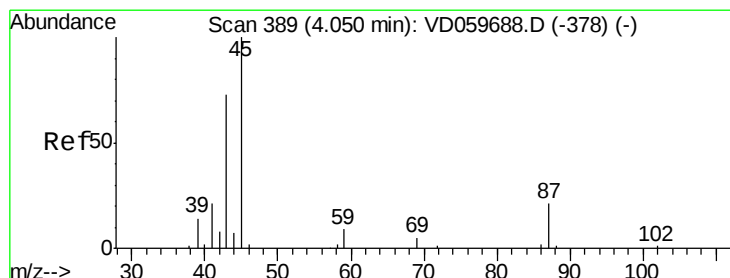
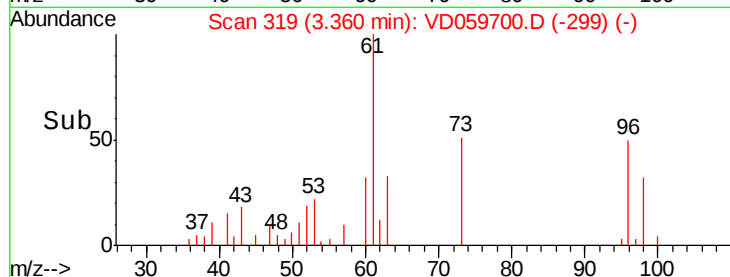
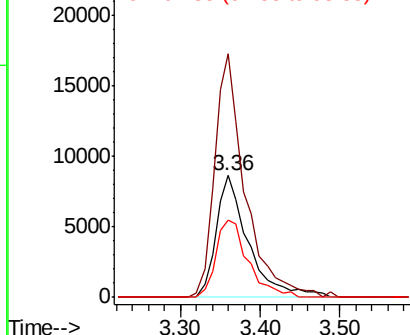
96 100

61 199.8 160.6 241.0

98 63.5 50.9 76.3



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



#22

Diisopropyl ether

Concen: 20.69 ug/l

RT: 4.05 min Scan# 389

Delta R.T. -0.00 min

Lab File: VD059700.D

Acq: 7 Aug 2018 12:58

Tgt Ion: 45 Resp: 116076

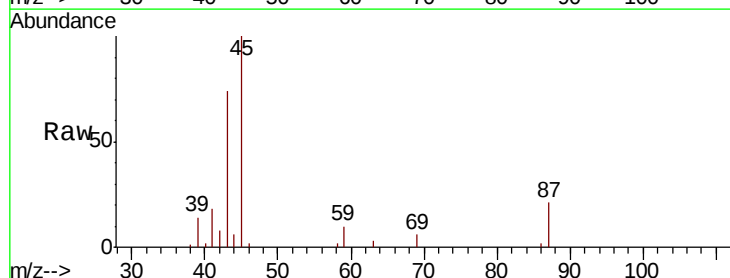
Ion Ratio Lower Upper

45 100

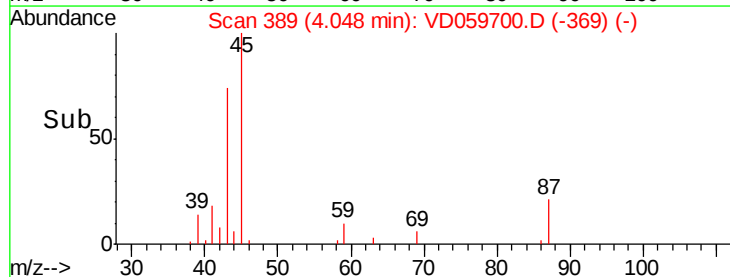
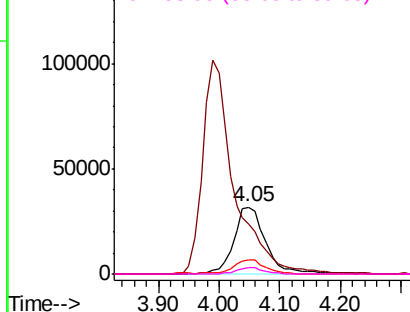
43 74.4 60.3 90.5

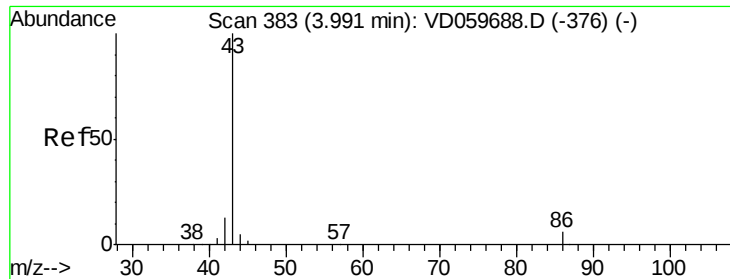
87 20.7 17.0 25.6

59 9.9 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: 102.66 ug/l

RT: 3.99 min Scan# 383

Delta R.T. -0.00 min

Lab File: VD059700.D

Acq: 7 Aug 2018 12:58

Instrument :

MSVOA_D

ClientSampleId :

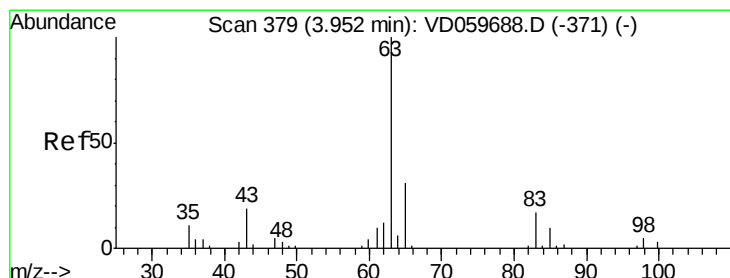
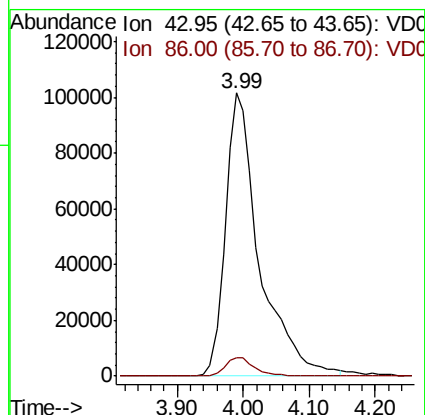
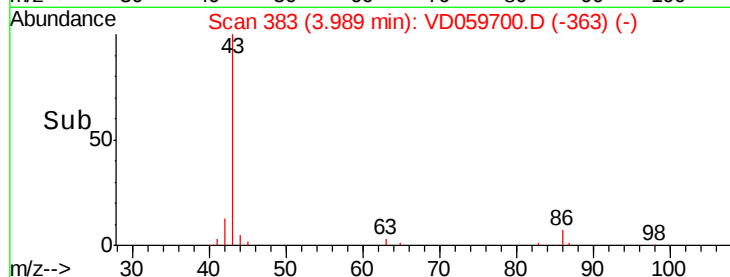
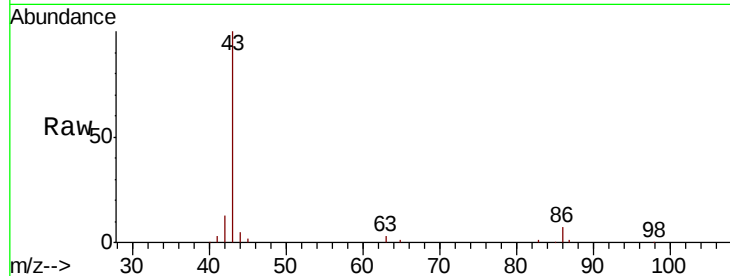
VD0807SBSD01

Tot Ion: 43 Resp: 365156

Ion Ratio Lower Upper

43 100

86 6.5 4.8 7.2



#24

1,1-Dichloroethane

Concen: 20.51 ug/l

RT: 3.94 min Scan# 378

Delta R.T. -0.01 min

Lab File: VD059700.D

Acq: 7 Aug 2018 12:58

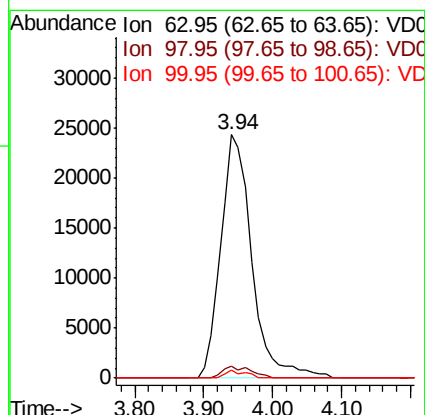
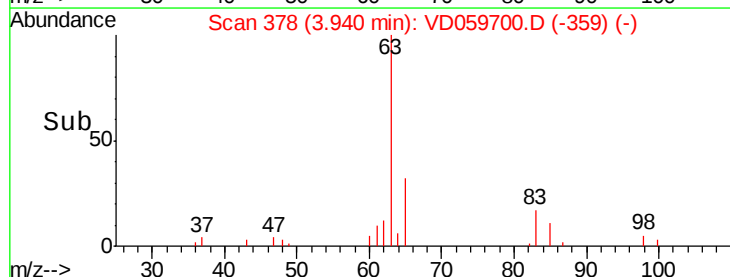
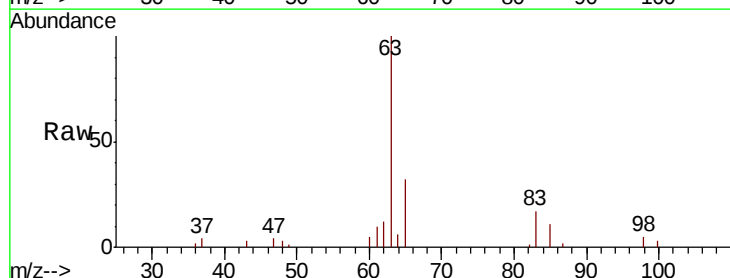
Tgt Ion: 63 Resp: 76179

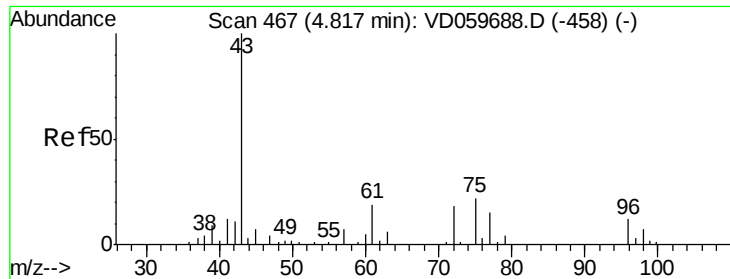
Ion Ratio Lower Upper

63 100

98 4.7 2.4 7.1

100 3.2 1.6 4.8





#25

2-Butanone

Concen: 87.68 ug/l

RT: 4.82 min Scan# 467

Delta R.T. -0.00 min

Lab File: VD059700.D

Acq: 7 Aug 2018 12:58

Instrument :

MSVOA_D

ClientSampleId :

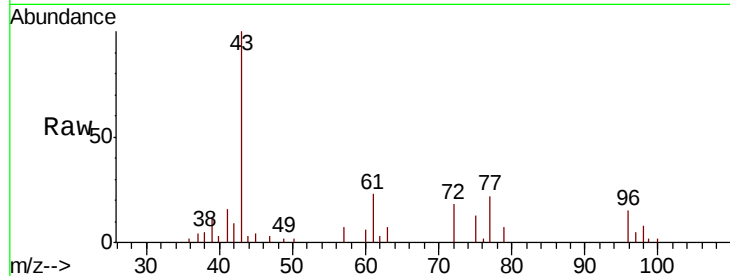
VD0807SBS01

Tot Ion: 43 Resp: 59057

Ion Ratio Lower Upper

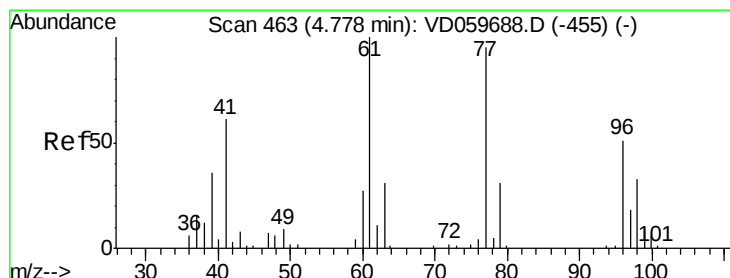
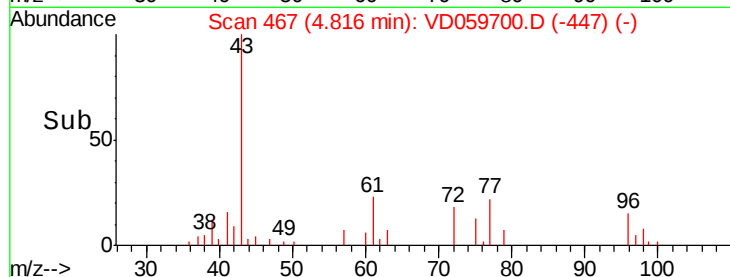
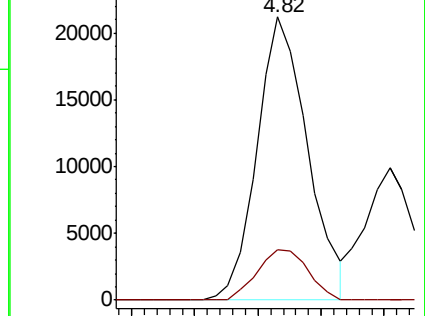
43 100

72 17.6 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.20 ug/l

RT: 4.78 min Scan# 463

Delta R.T. -0.00 min

Lab File: VD059700.D

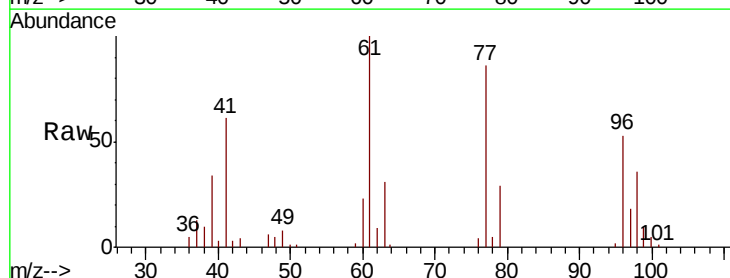
Acq: 7 Aug 2018 12:58

Tgt Ion: 77 Resp: 80099

Ion Ratio Lower Upper

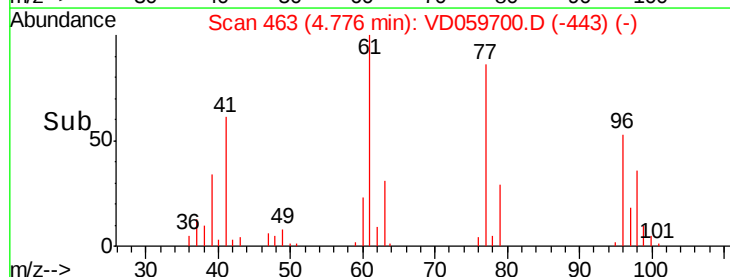
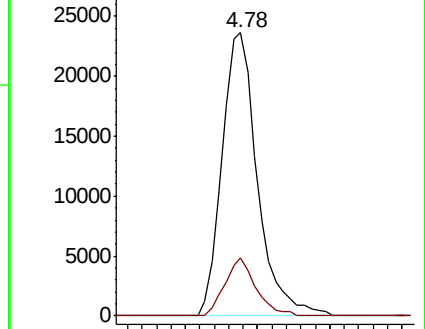
77 100

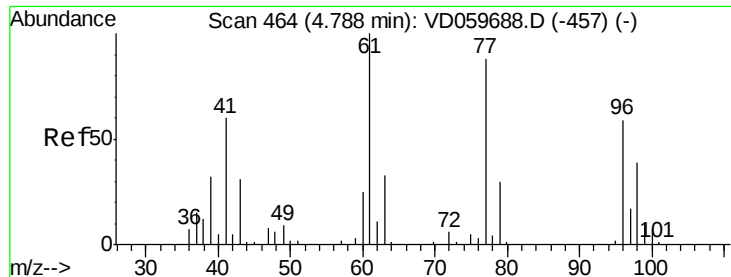
97 20.6 9.4 28.3



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



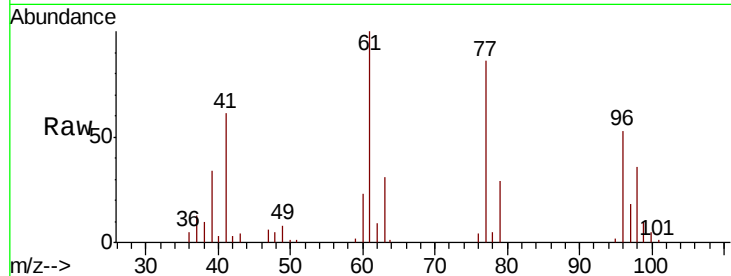


#27

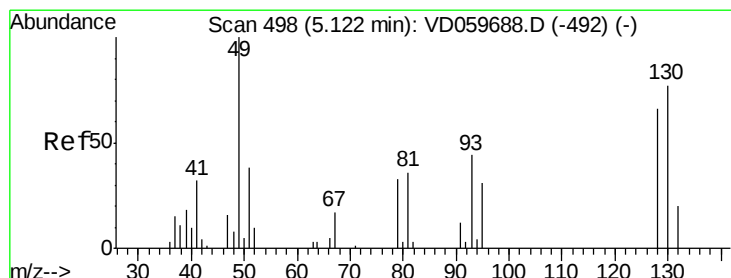
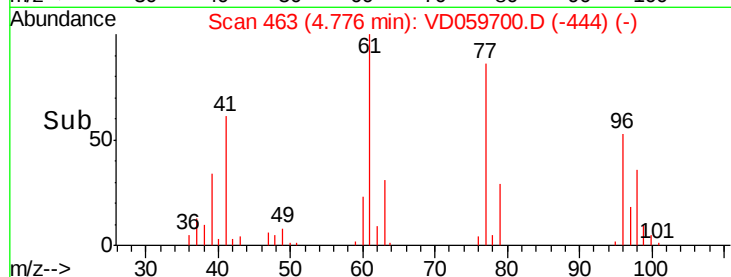
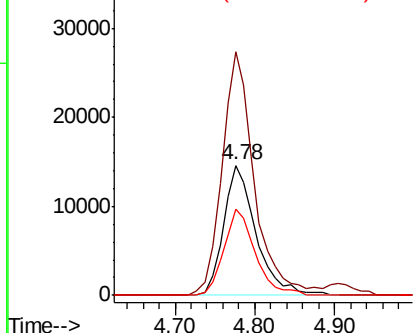
cis-1,2-Dichloroethene
 Concen: 20.90 ug/l
 RT: 4.78 min Scan# 463
 Delta R.T. -0.01 min
 Lab File: VD059700.D
 Acq: 7 Aug 2018 12:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0807SBSD01

Tot Ion: 96 Resp: 41407
 Ion Ratio Lower Upper
 96 100
 61 187.6 0.0 341.6
 98 66.7 0.0 131.0



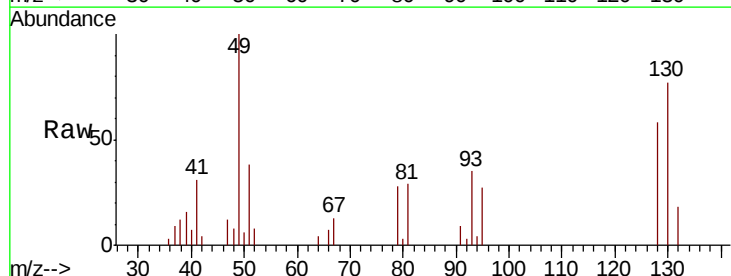
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



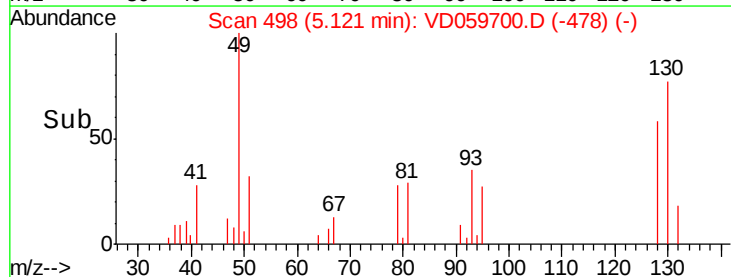
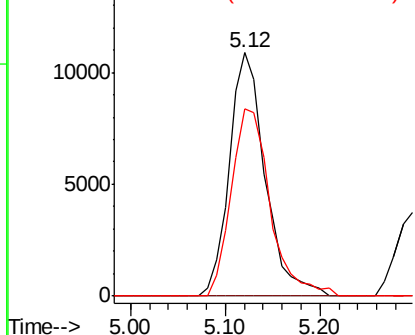
#28

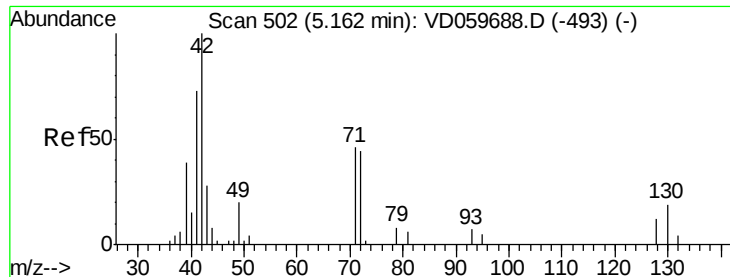
Bromochloromethane
 Concen: 20.85 ug/l
 RT: 5.12 min Scan# 498
 Delta R.T. -0.00 min
 Lab File: VD059700.D
 Acq: 7 Aug 2018 12:58

Tgt Ion: 49 Resp: 28583
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 0.0
 130 77.1 61.2 91.8



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





#29

Tetrahydrofuran

Concen: 106.10 ug/l

RT: 5.17 min Scan# 503

Delta R.T. 0.01 min

Lab File: VD059700.D

Acq: 7 Aug 2018 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0807SBS01

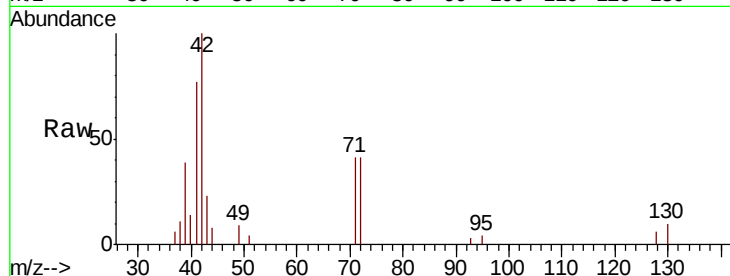
Tot Ion: 42 Resp: 27676

Ion Ratio Lower Upper

42 100

72 41.8 36.7 55.1

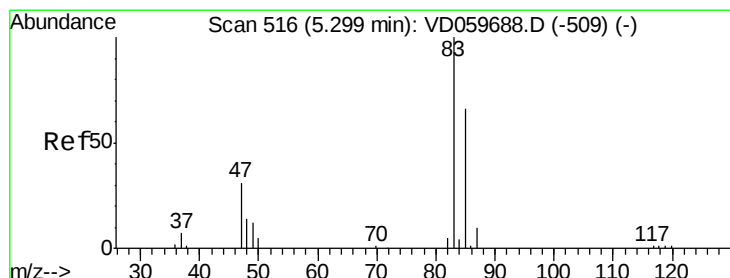
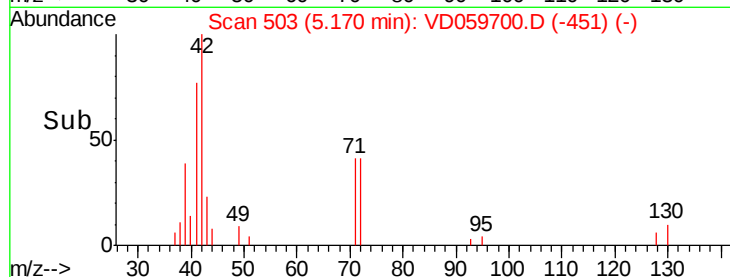
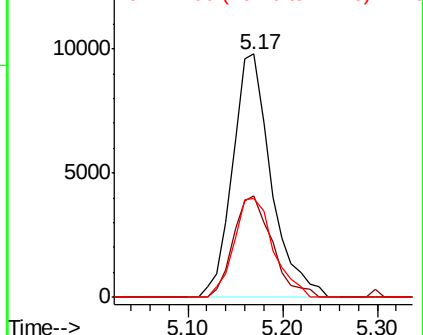
71 41.4 36.3 54.5



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: 20.31 ug/l

RT: 5.30 min Scan# 516

Delta R.T. -0.00 min

Lab File: VD059700.D

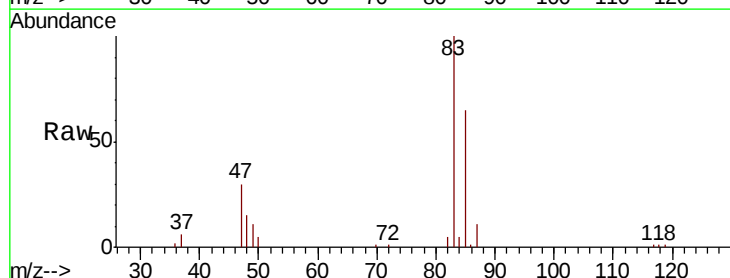
Acq: 7 Aug 2018 12:58

Tgt Ion: 83 Resp: 91913

Ion Ratio Lower Upper

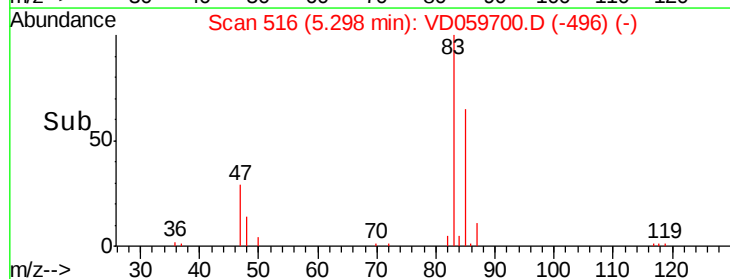
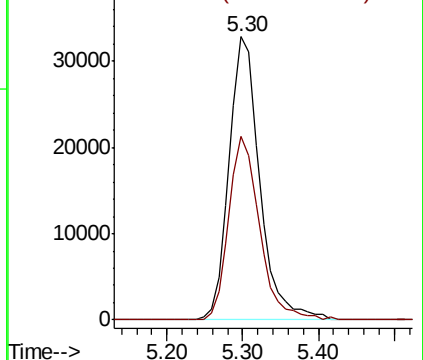
83 100

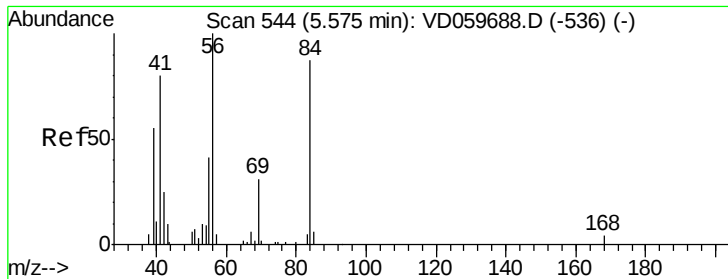
85 64.9 52.6 79.0



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

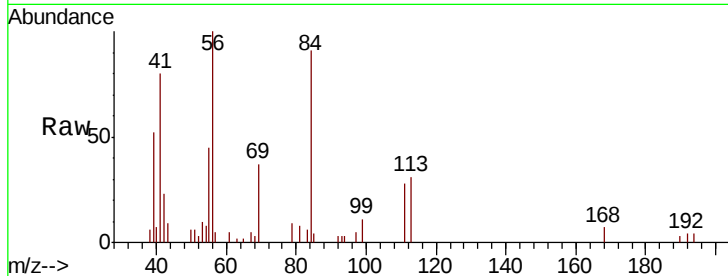




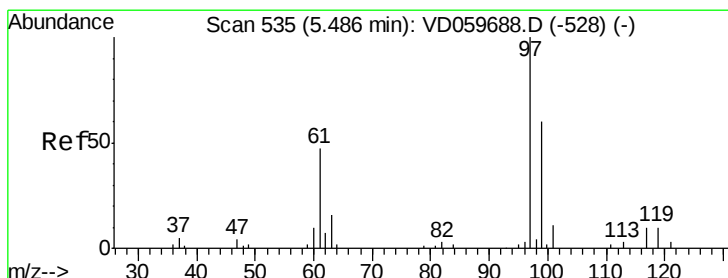
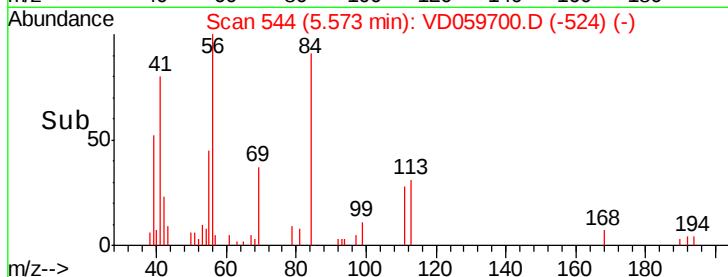
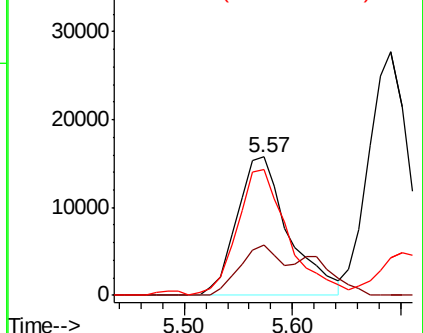
#31
Cyclohexane
Concen: 19.73 ug/l
RT: 5.57 min Scan# 544
Delta R.T. -0.00 min
Lab File: VD059700.D
Acq: 7 Aug 2018 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0807SBS01

Tot Ion: 56 Resp: 52680
Ion Ratio Lower Upper
56 100
69 36.7 24.7 37.1
84 91.1 72.2 108.2

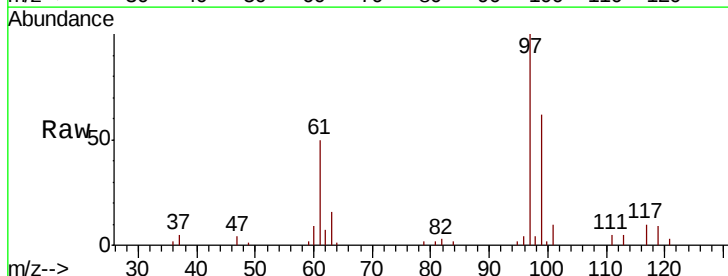


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

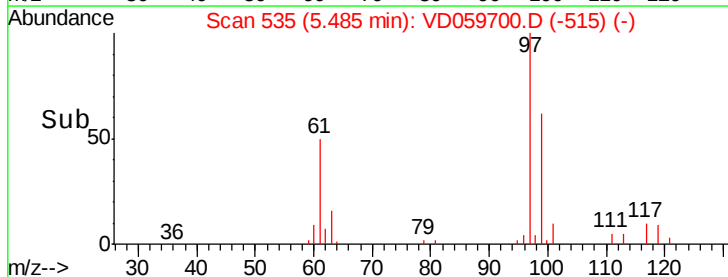
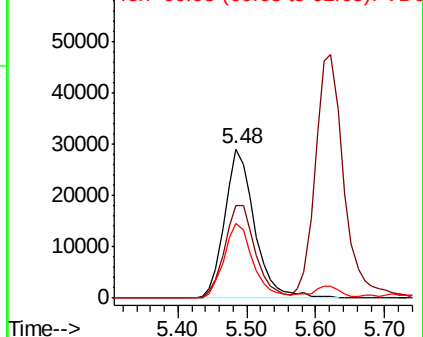


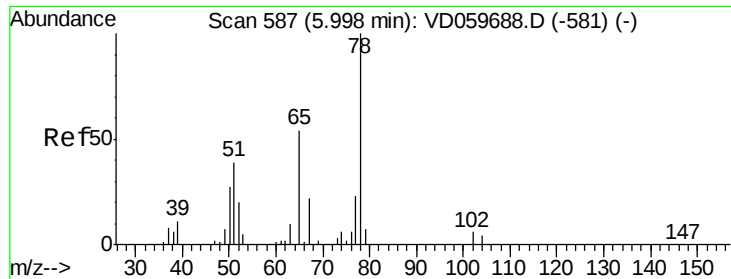
#32
1,1,1-Trichloroethane
Concen: 19.89 ug/l
RT: 5.48 min Scan# 535
Delta R.T. -0.00 min
Lab File: VD059700.D
Acq: 7 Aug 2018 12:58

Tgt Ion: 97 Resp: 87552
Ion Ratio Lower Upper
97 100
99 62.0 48.2 72.2
61 49.6 37.5 56.3



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

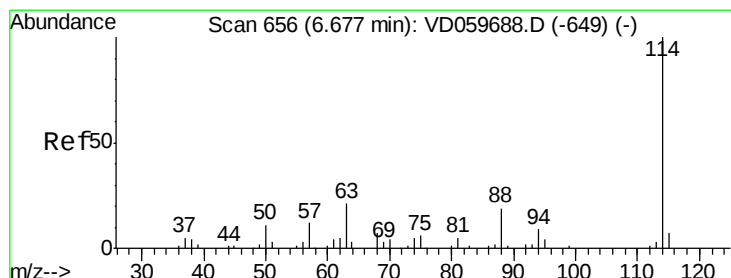
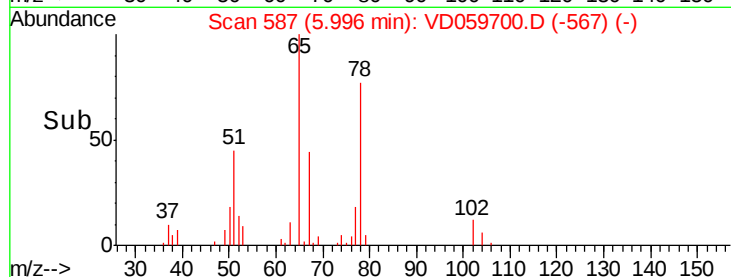
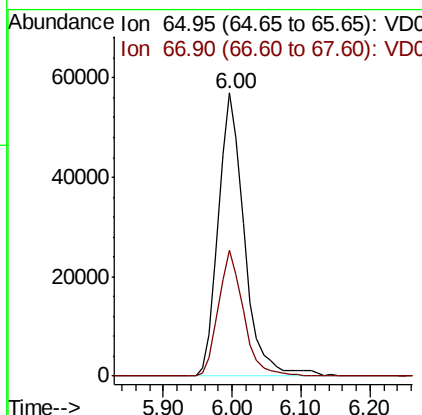
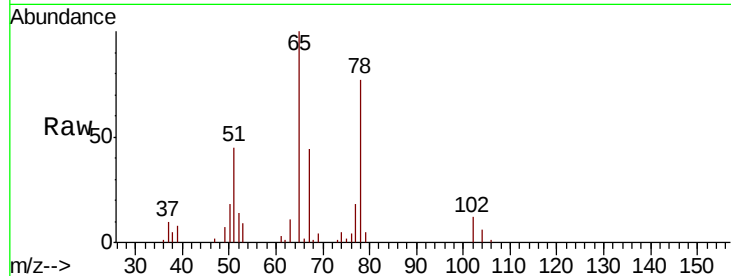




#33
 1,2-Dichloroethane-d4
 Concen: 19.89 ug/l
 RT: 6.00 min Scan# 587
 Delta R.T. -0.00 min
 Lab File: VD059700.D
 Acq: 7 Aug 2018 12:58

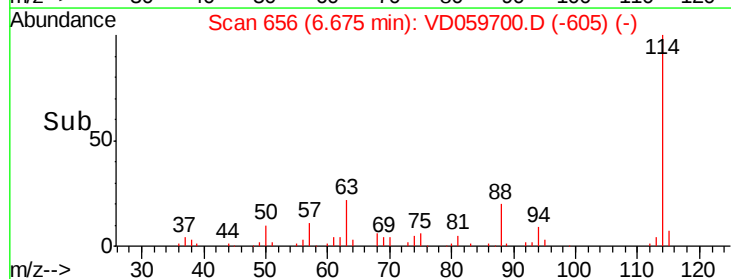
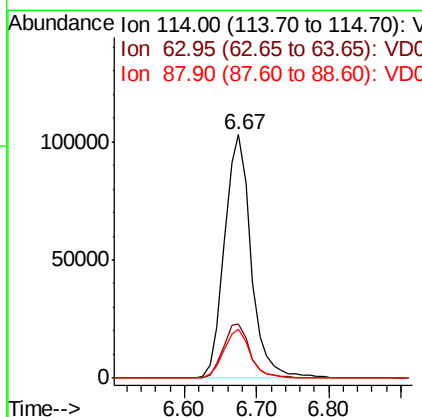
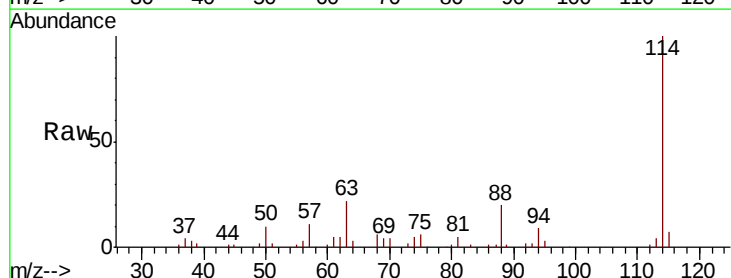
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0807SBSD01

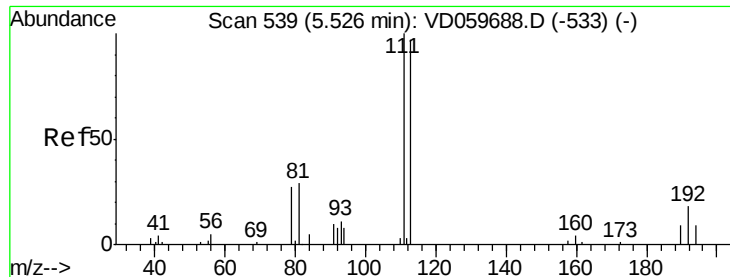
Tot Ion: 65 Resp: 148966
 Ion Ratio Lower Upper
 65 100
 67 44.3 0.0 80.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.67 min Scan# 656
 Delta R.T. -0.00 min
 Lab File: VD059700.D
 Acq: 7 Aug 2018 12:58

Tgt Ion: 114 Resp: 262683
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 42.6
 88 20.2 0.0 38.8





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.52 min Scan# 539

Delta R.T. -0.00 min

Lab File: VD059700.D

Acq: 7 Aug 2018 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0807SBSD01

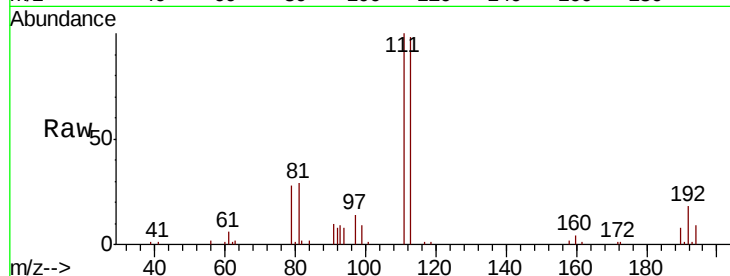
Tot Ion:113 Resp: 130729

Ion Ratio Lower Upper

113 100

111 102.5 82.8 124.2

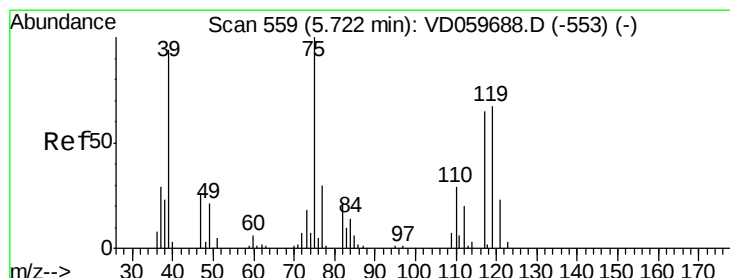
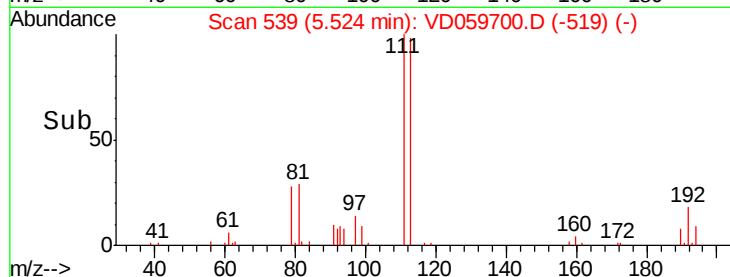
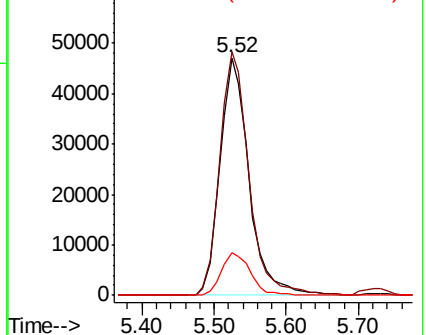
192 18.1 14.6 22.0



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 20.22 ug/l

RT: 5.72 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD059700.D

Acq: 7 Aug 2018 12:58

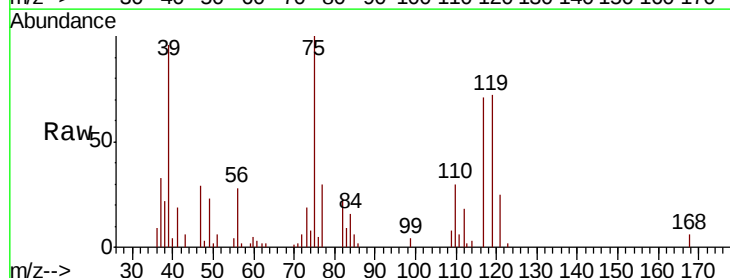
Tgt Ion: 75 Resp: 59063

Ion Ratio Lower Upper

75 100

110 30.3 14.1 42.3

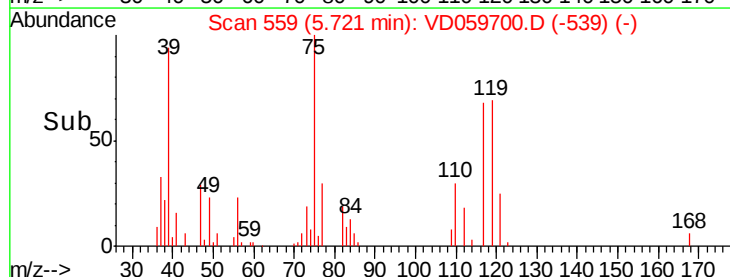
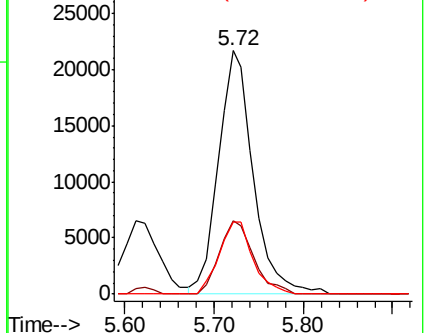
77 29.6 23.9 35.9

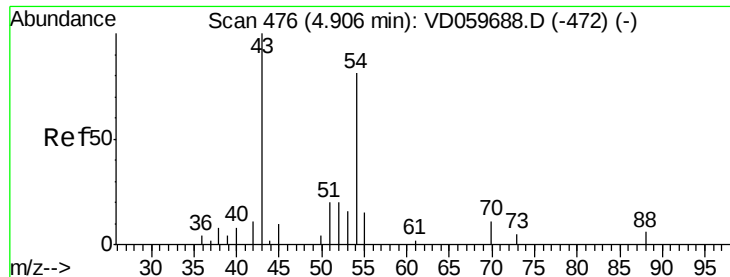


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

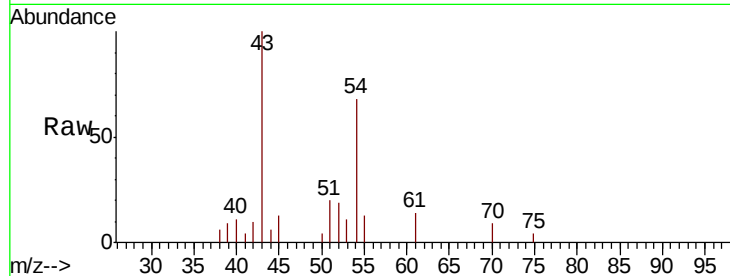




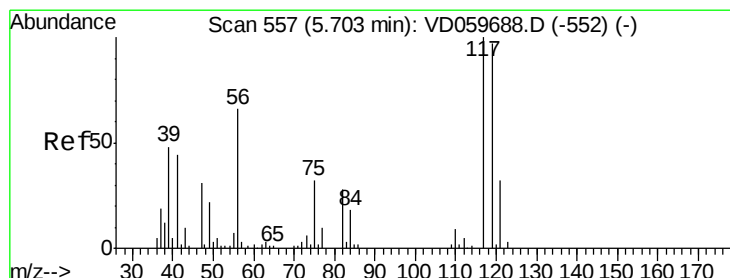
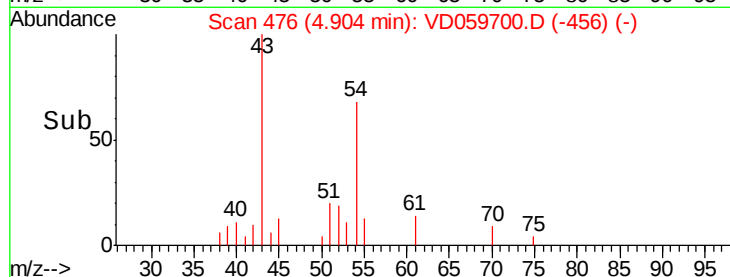
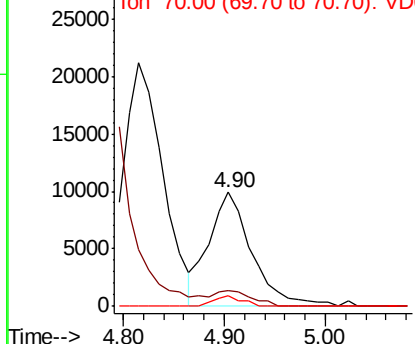
#37
Ethyl Acetate
Concen: 20.88 ug/l
RT: 4.90 min Scan# 476
Delta R.T. -0.00 min
Lab File: VD059700.D
Acq: 7 Aug 2018 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0807SBS01

Tot Ion: 43 Resp: 29610
Ion Ratio Lower Upper
43 100
61 13.8 10.1 15.1
70 9.3 5.4 8.2#

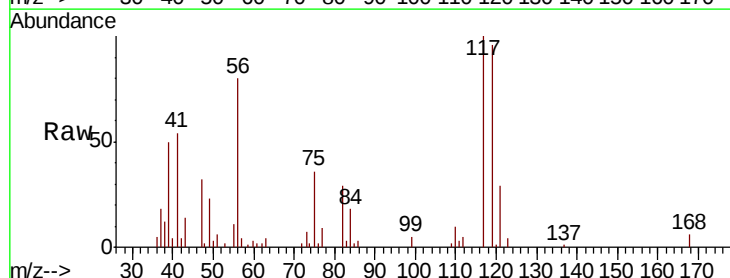


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

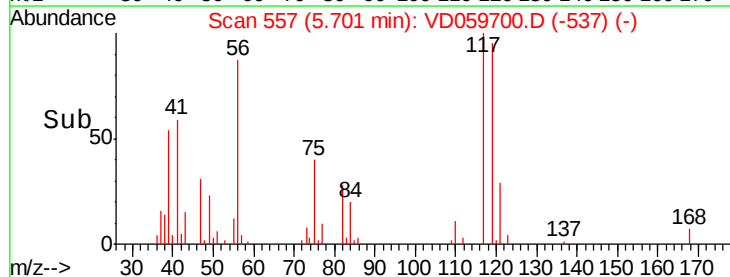
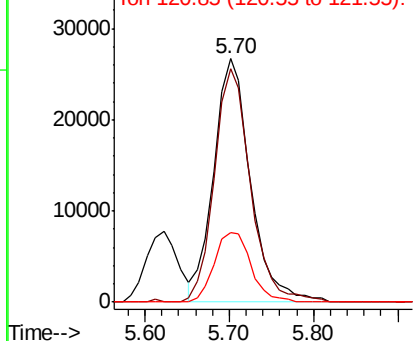


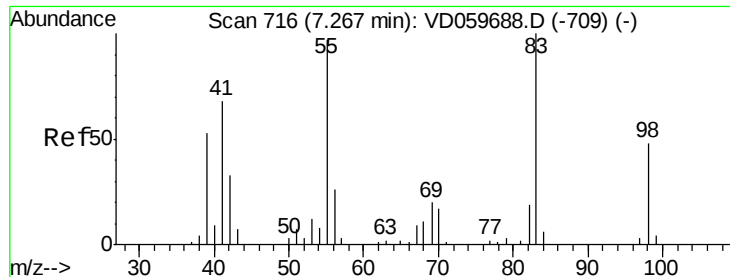
#38
Carbon Tetrachloride
Concen: 20.75 ug/l
RT: 5.70 min Scan# 557
Delta R.T. -0.00 min
Lab File: VD059700.D
Acq: 7 Aug 2018 12:58

Tgt Ion: 117 Resp: 81097
Ion Ratio Lower Upper
117 100
119 95.8 75.3 112.9
121 28.6 24.4 36.6



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

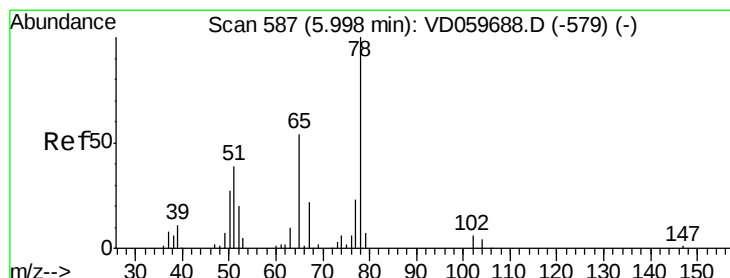
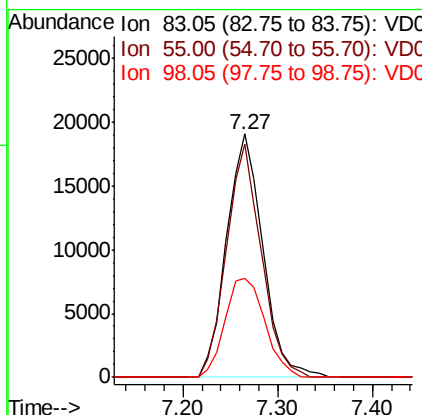
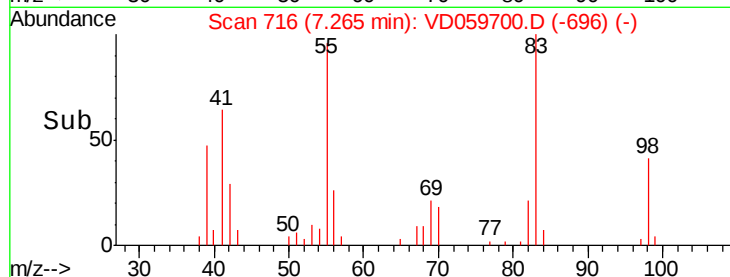
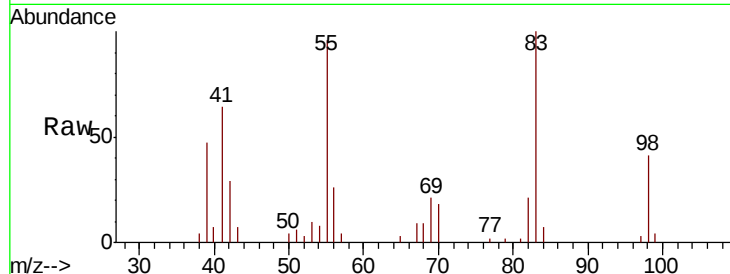




#39
Methvlcvclohexane
Concen: 20.47 ug/l
RT: 7.27 min Scan# 716
Delta R.T. -0.00 min
Lab File: VD059700.D
Acq: 7 Aug 2018 12:58

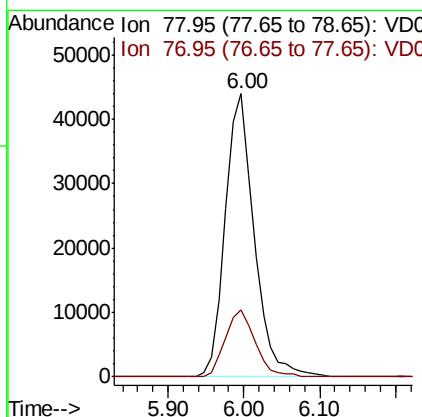
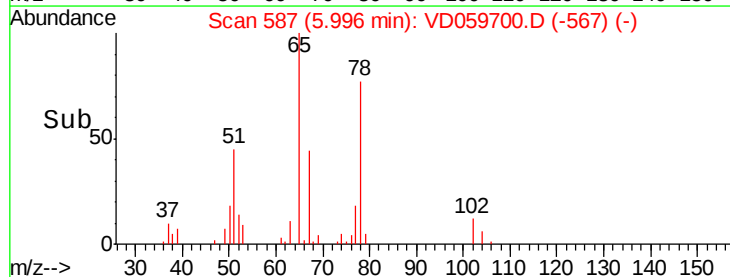
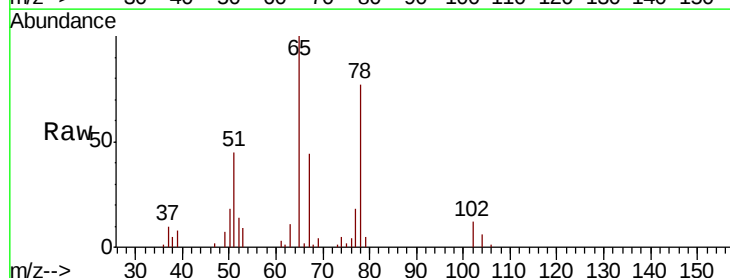
Instrument :
MSVOA_D
ClientSampleId :
VD0807SBSD01

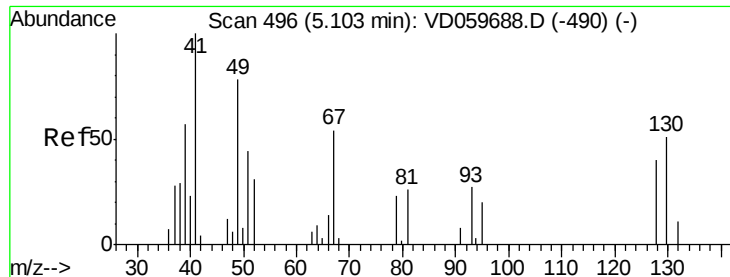
Tot Ion: 83 Resp: 50515
Ion Ratio Lower Upper
83 100
55 95.8 77.7 116.5
98 40.8 38.7 58.1



#40
Benzene
Concen: 20.56 ug/l
RT: 6.00 min Scan# 587
Delta R.T. -0.00 min
Lab File: VD059700.D
Acq: 7 Aug 2018 12:58

Tgt Ion: 78 Resp: 116433
Ion Ratio Lower Upper
78 100
77 23.7 18.4 27.6

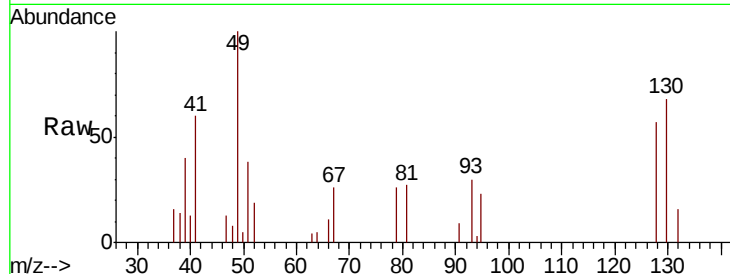




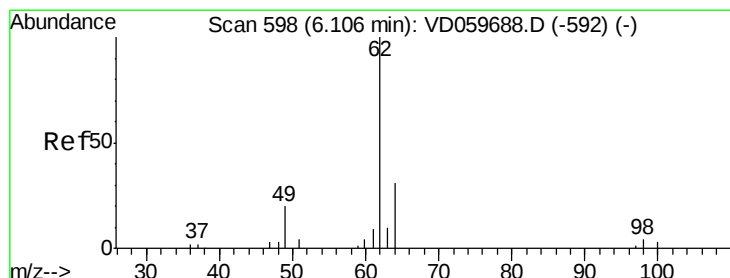
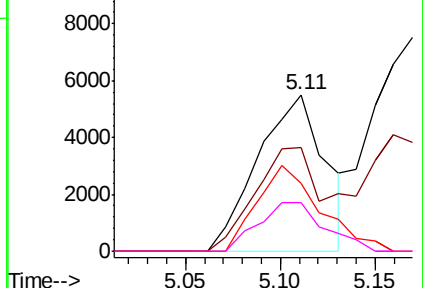
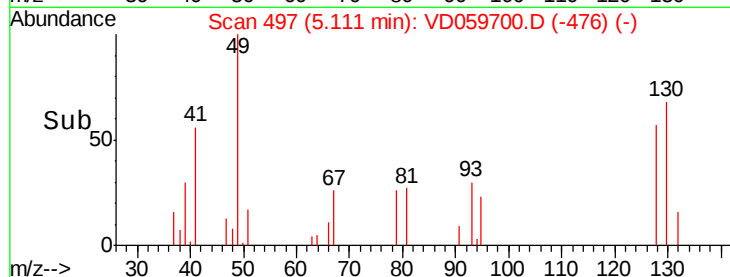
#41
Methacrylonitrile
Concen: 20.62 ug/l
RT: 5.11 min Scan# 497
Delta R.T. 0.01 min
Lab File: VD059700.D
Acq: 7 Aug 2018 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0807SBS01

Tot Ion: 41 Resp: 13670
Ion Ratio Lower Upper
41 100
39 66.1 45.8 68.8
67 43.5 43.4 65.2
52 31.0 24.6 37.0

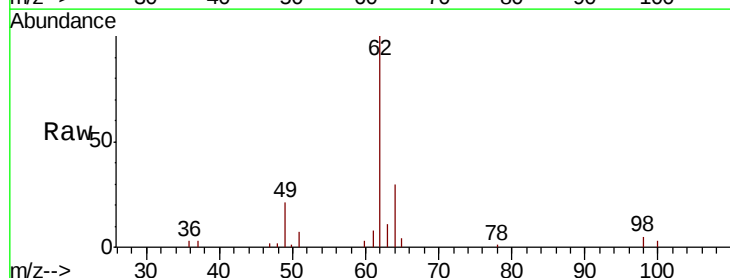


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

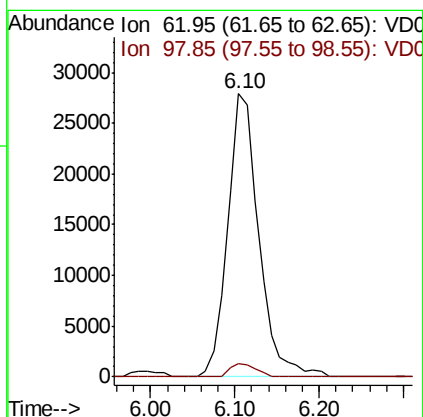
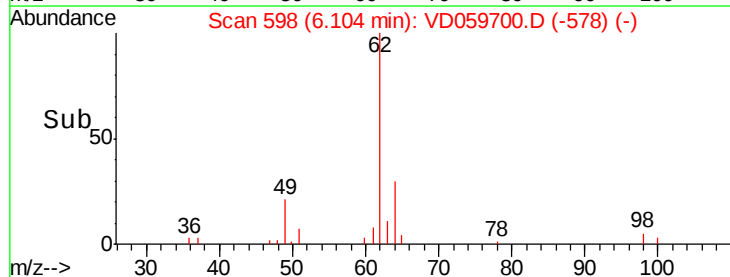


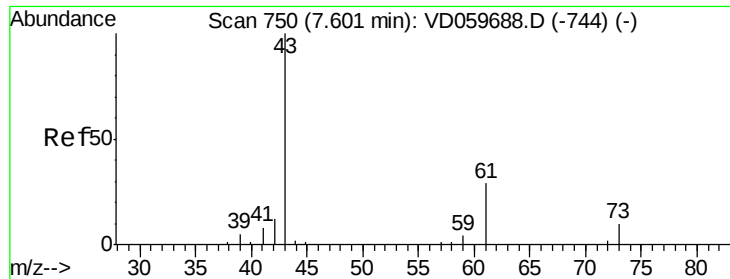
#42
1,2-Dichloroethane
Concen: 20.43 ug/l
RT: 6.10 min Scan# 598
Delta R.T. -0.00 min
Lab File: VD059700.D
Acq: 7 Aug 2018 12:58

Tgt Ion: 62 Resp: 71524
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: 20.17 ug/l

RT: 7.60 min Scan# 750

Delta R.T. -0.00 min

Lab File: VD059700.D

Acq: 7 Aug 2018 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0807SBS01

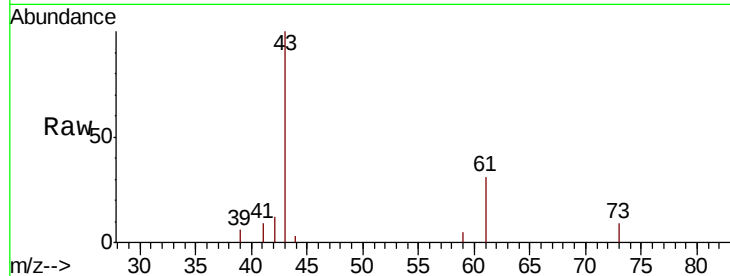
Tot Ion: 43 Resp: 37379

Ion Ratio Lower Upper

43 100

61 30.8 22.9 34.3

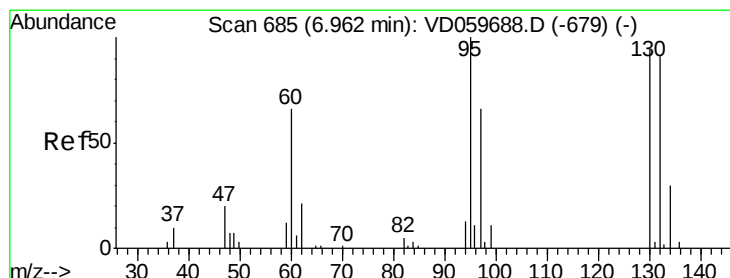
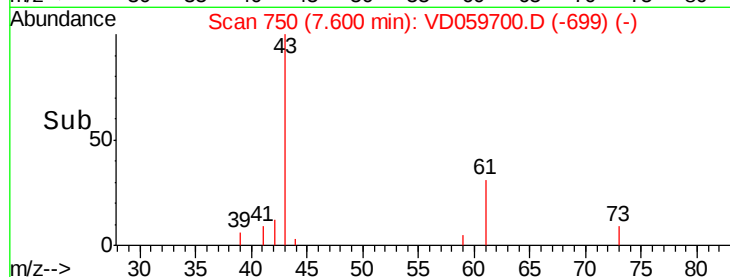
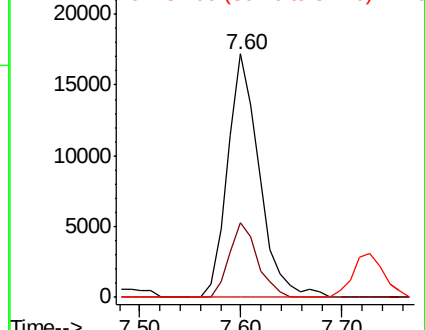
87 0.0 0.0 0.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 20.92 ug/l

RT: 6.96 min Scan# 685

Delta R.T. -0.00 min

Lab File: VD059700.D

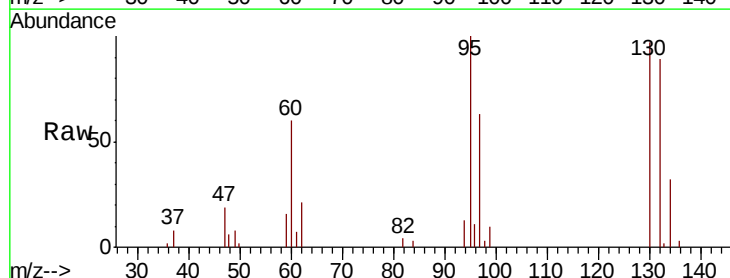
Acq: 7 Aug 2018 12:58

Tgt Ion:130 Resp: 43295

Ion Ratio Lower Upper

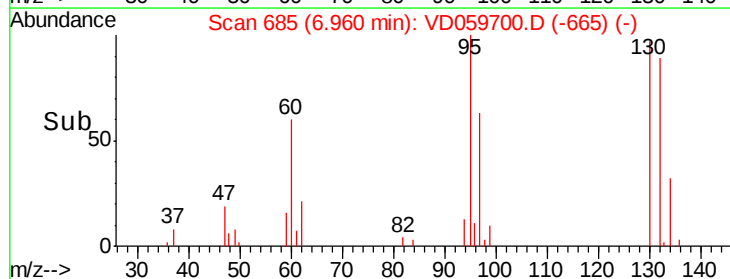
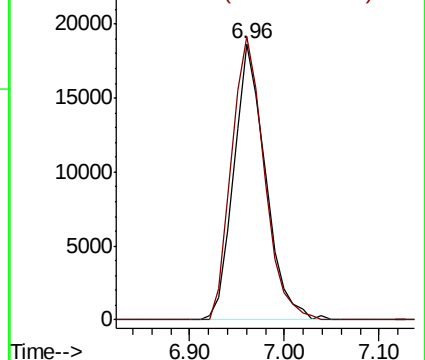
130 100

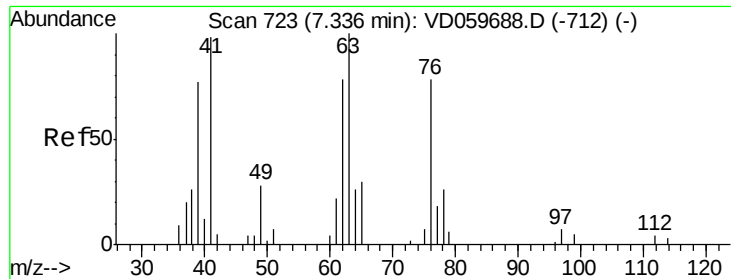
95 102.6 0.0 212.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.06 ug/l

RT: 7.32 min Scan# 722

Delta R.T. -0.01 min

Lab File: VD059700.D

Acq: 7 Aug 2018 12:58

Instrument :

MSVOA_D

ClientSampleId :

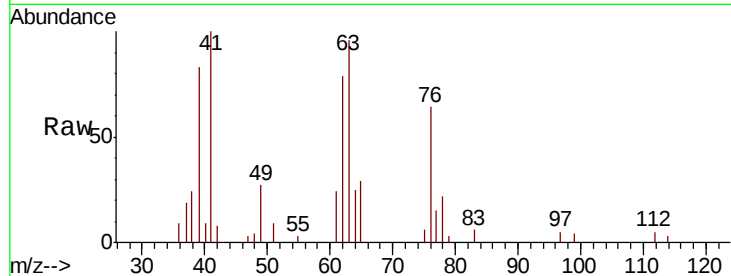
VD0807SBSD01

Tot Ion: 63 Resp: 30006

Ion Ratio Lower Upper

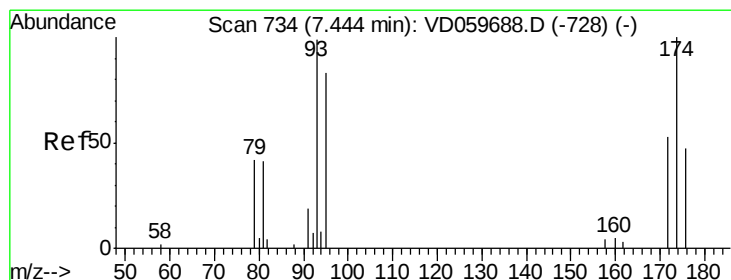
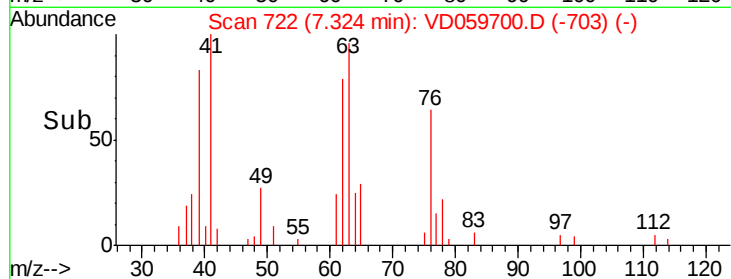
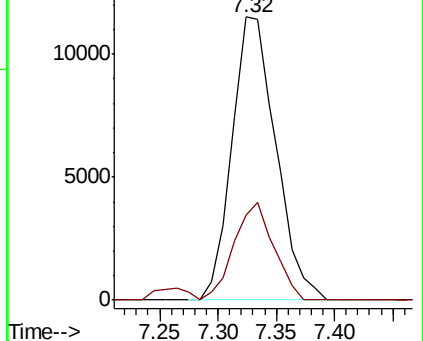
63 100

65 29.9 24.2 36.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 21.05 ug/l

RT: 7.44 min Scan# 734

Delta R.T. -0.00 min

Lab File: VD059700.D

Acq: 7 Aug 2018 12:58

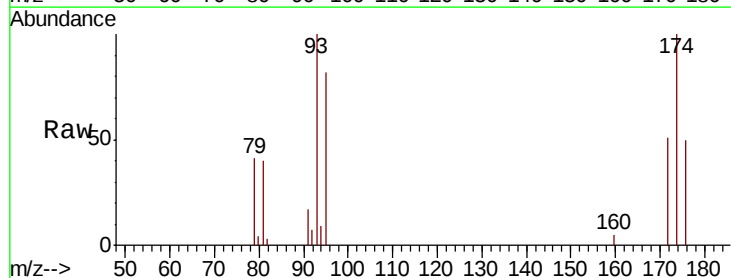
Tgt Ion: 93 Resp: 27277

Ion Ratio Lower Upper

93 100

95 82.4 66.6 100.0

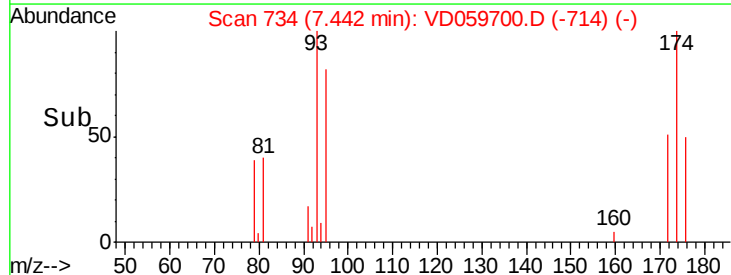
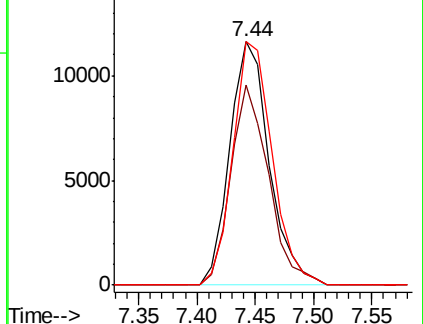
174 99.9 80.6 120.8

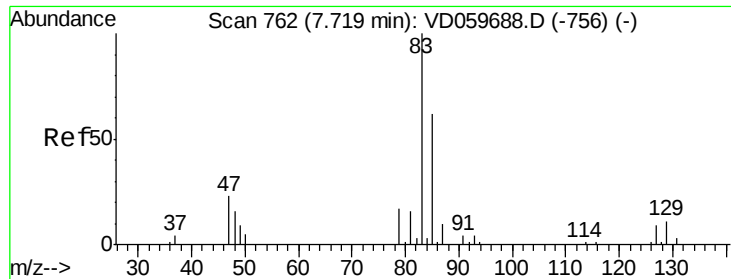


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 19.59 ug/l

RT: 7.73 min Scan# 763

Delta R.T. 0.01 min

Lab File: VD059700.D

Acq: 7 Aug 2018 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0807SBSD01

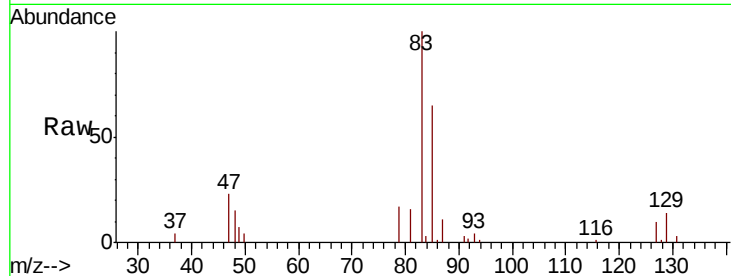
Tot Ion: 83 Resp: 64651

Ion Ratio Lower Upper

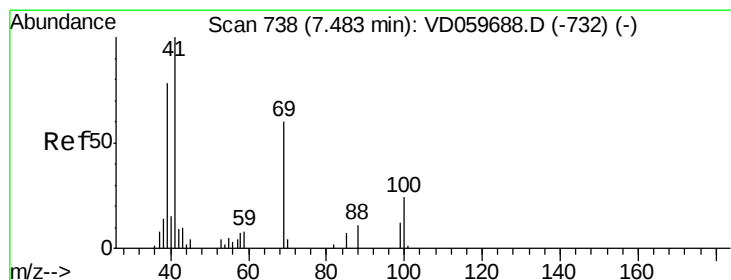
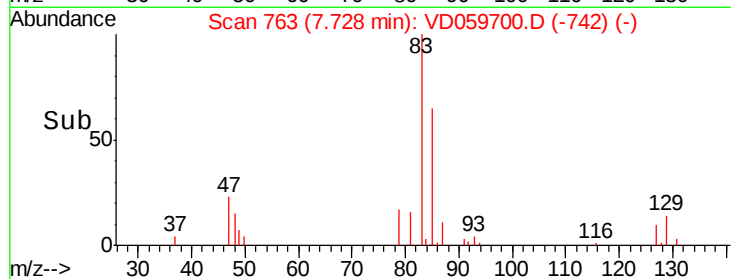
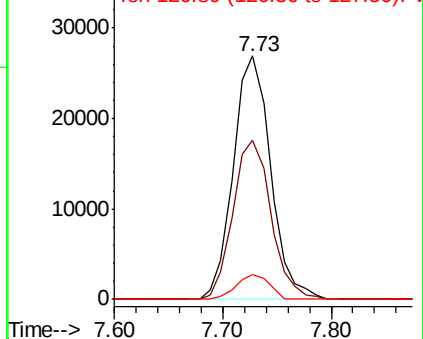
83 100

85 65.2 49.8 74.8

127 10.1 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: 20.70 ug/l

RT: 7.49 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD059700.D

Acq: 7 Aug 2018 12:58

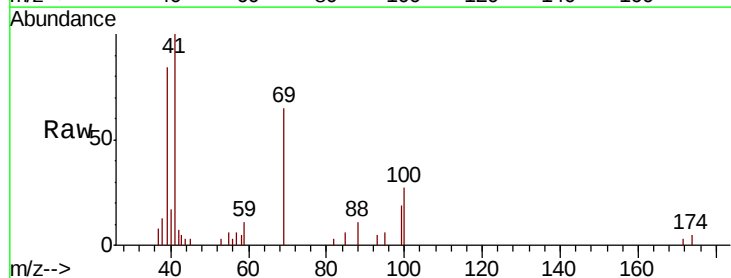
Tgt Ion: 41 Resp: 25324

Ion Ratio Lower Upper

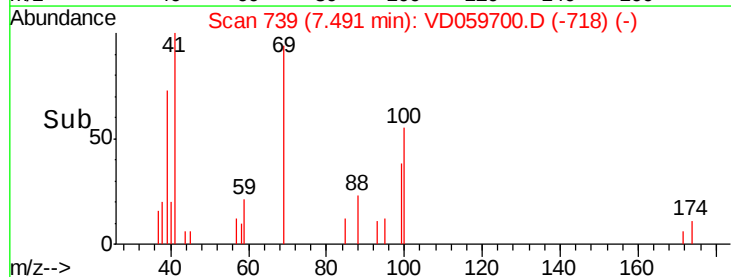
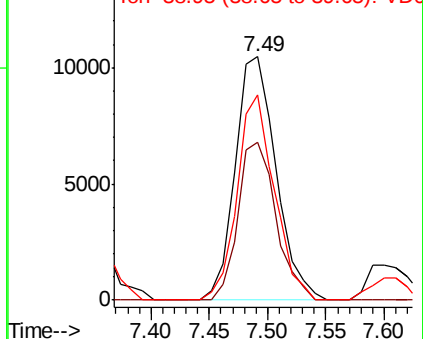
41 100

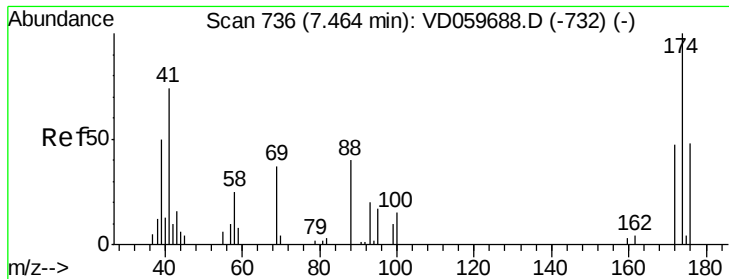
69 64.9 47.3 70.9

39 84.4 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

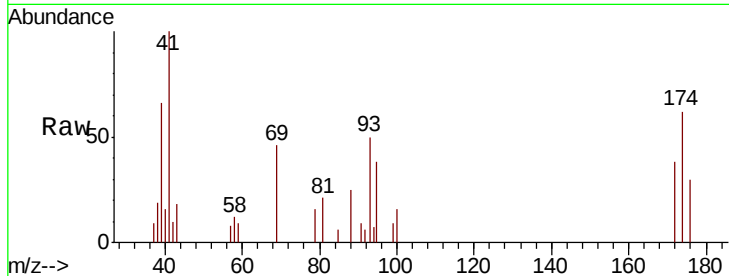




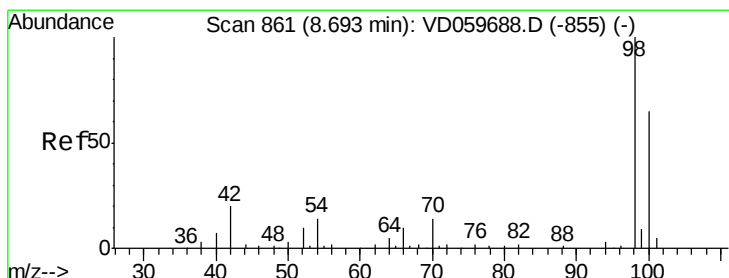
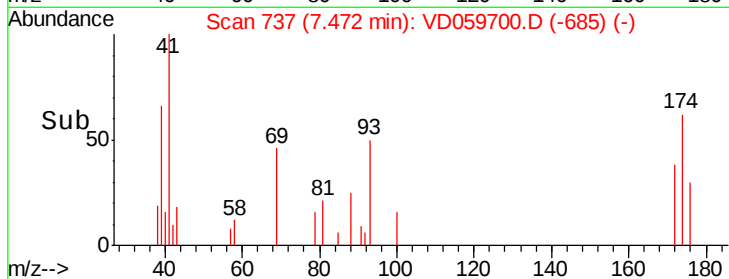
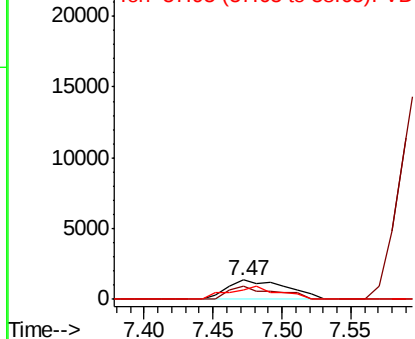
#49
1,4-Dioxane
Concen: 405.43 ug/l
RT: 7.47 min Scan# 737
Delta R.T. 0.01 min
Lab File: VD059700.D
Acq: 7 Aug 2018 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0807SBS01

Tot Ion: 88 Resp: 4050
Ion Ratio Lower Upper
88 100
43 70.6 32.2 48.2#
58 47.9 51.5 77.3#

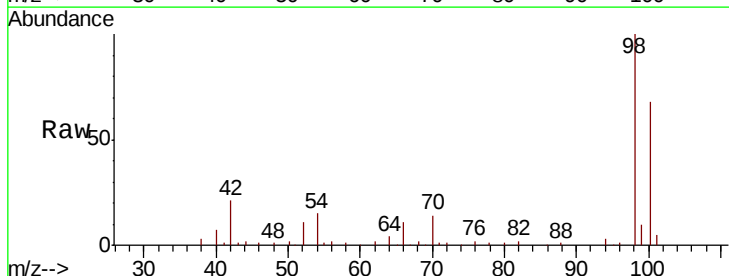


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

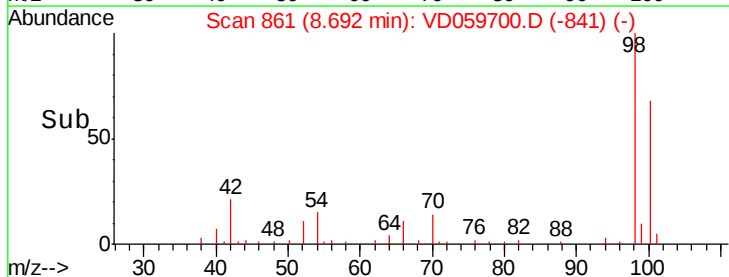
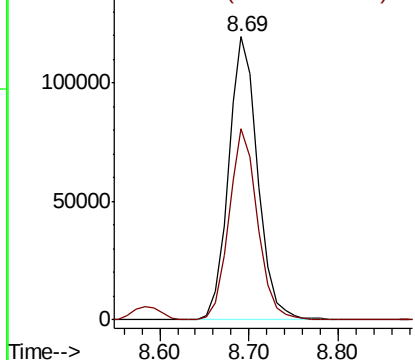


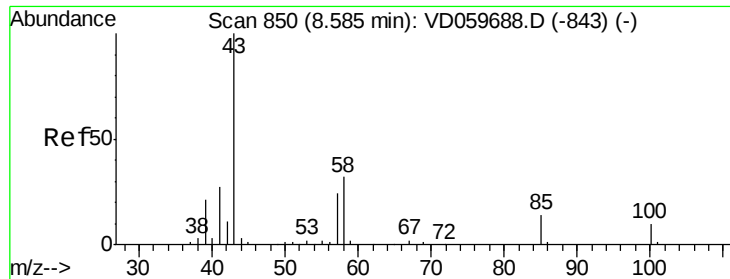
#50
Toluene-d8
Concen: 405.43 ug/l
RT: 8.69 min Scan# 861
Delta R.T. -0.00 min
Lab File: VD059700.D
Acq: 7 Aug 2018 12:58

Tgt Ion: 98 Resp: 273040
Ion Ratio Lower Upper
98 100
100 67.7 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: 90.30 ug/l

RT: 8.58 min Scan# 850

Delta R.T. -0.00 min

Lab File: VD059700.D

Acq: 7 Aug 2018 12:58

Instrument :

MSVOA_D

ClientSampleId :

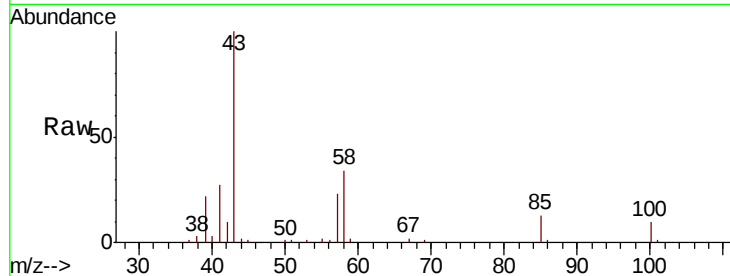
VD0807SBSD01

Tot Ion: 43 Resp: 122049

Ion Ratio Lower Upper

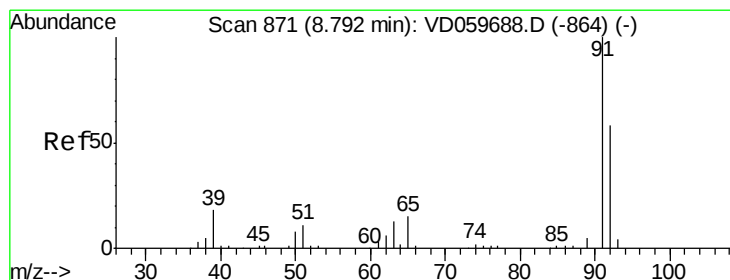
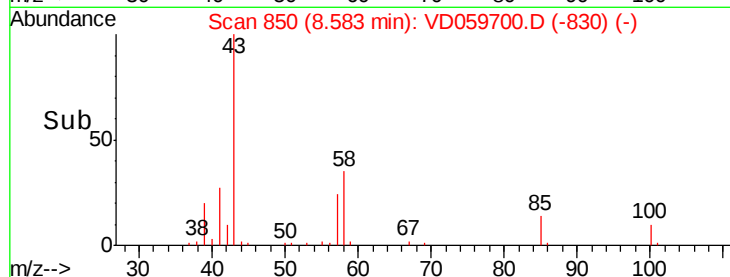
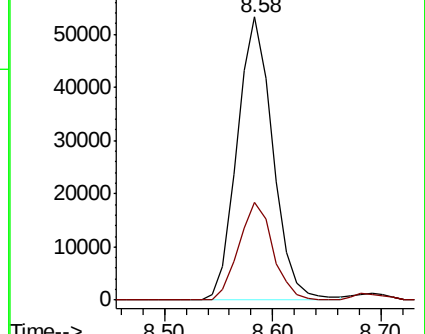
43 100

58 34.4 25.7 38.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 20.08 ug/l

RT: 8.79 min Scan# 871

Delta R.T. -0.00 min

Lab File: VD059700.D

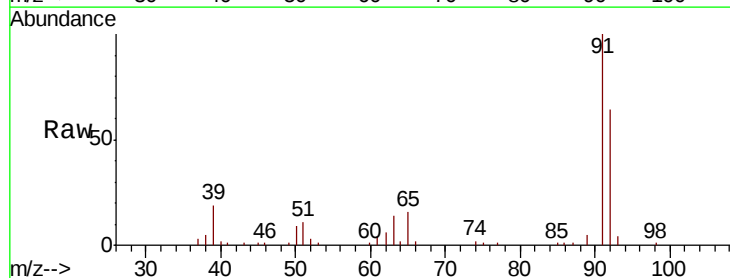
Acq: 7 Aug 2018 12:58

Tgt Ion: 92 Resp: 72541

Ion Ratio Lower Upper

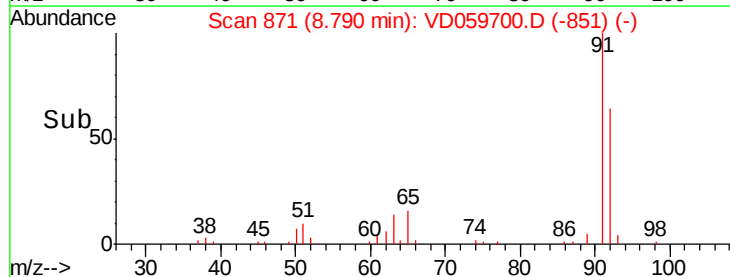
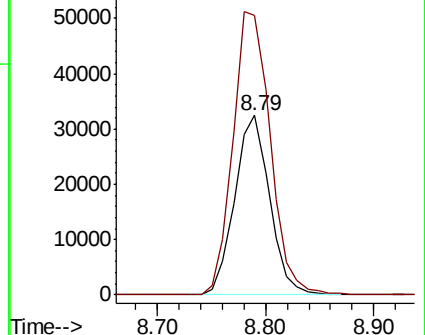
92 100

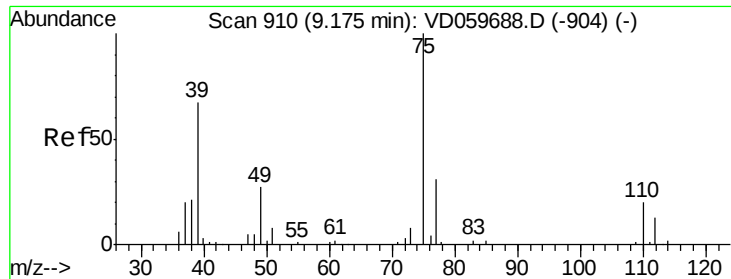
91 155.5 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

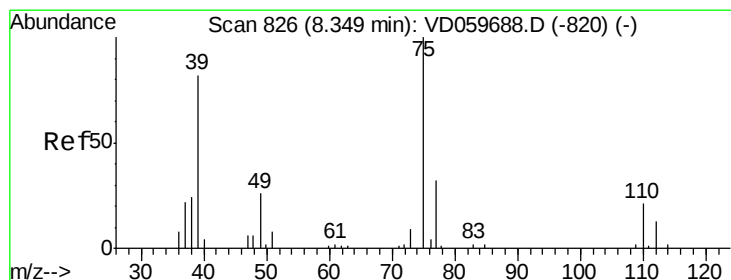
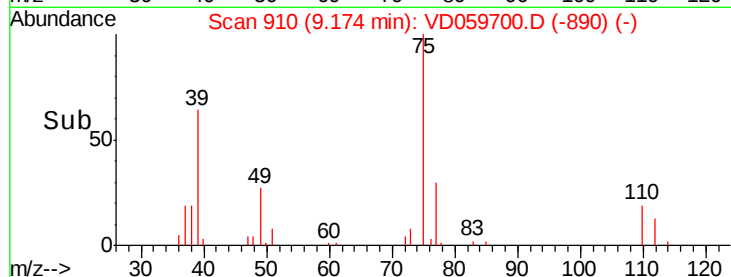
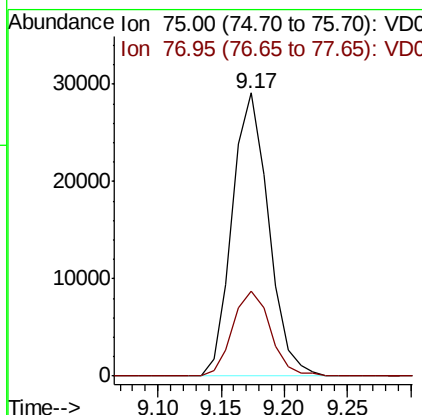
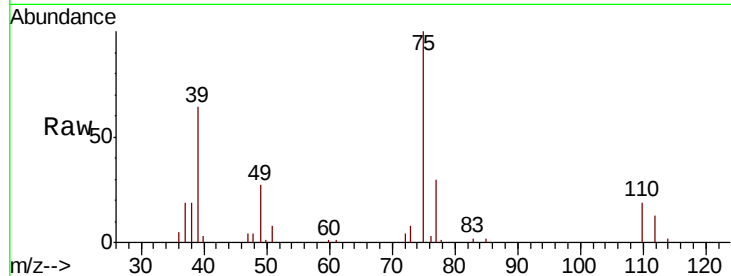




#53
 t-1,3-Dichloropropene
 Concen: 20.77 ug/l
 RT: 9.17 min Scan# 910
 Delta R.T. -0.00 min
 Lab File: VD059700.D
 Acq: 7 Aug 2018 12:58

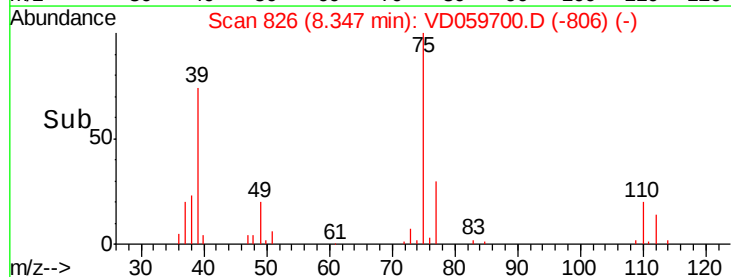
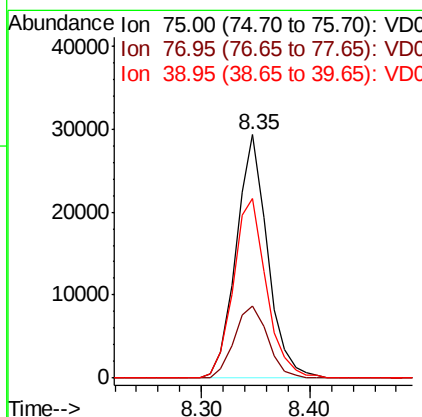
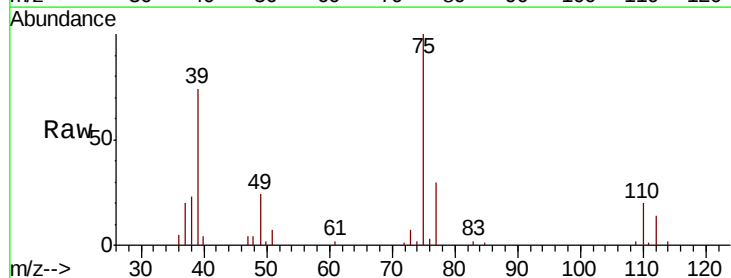
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0807SBSD01

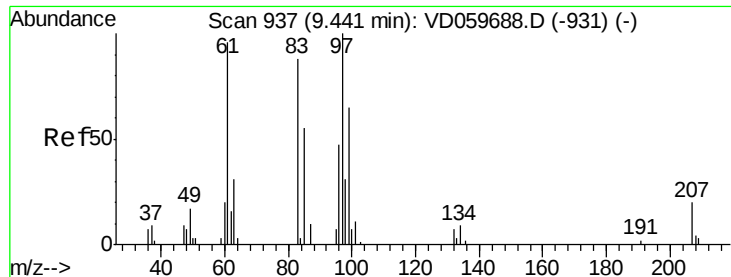
Tot Ion: 75 Resp: 58016
 Ion Ratio Lower Upper
 75 100
 77 30.1 24.7 37.1



#54
 cis-1,3-Dichloropropene
 Concen: 20.47 ug/l
 RT: 8.35 min Scan# 826
 Delta R.T. -0.00 min
 Lab File: VD059700.D
 Acq: 7 Aug 2018 12:58

Tgt Ion: 75 Resp: 58872
 Ion Ratio Lower Upper
 75 100
 77 29.8 25.5 38.3
 39 73.6 65.4 98.2





#55

1,1,2-Trichloroethane

Concen: 20.05 ug/l

RT: 9.44 min Scan# 937

Delta R.T. -0.00 min

Lab File: VD059700.D

Acq: 7 Aug 2018 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0807SBSD01

Tot Ion: 97 Resp: 27828

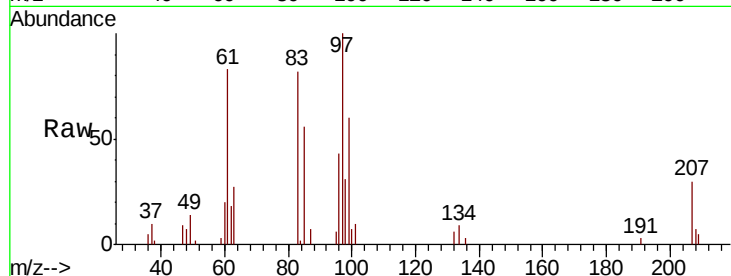
Ion Ratio Lower Upper

97 100

83 82.3 70.8 106.2

85 55.5 44.1 66.1

99 60.5 52.2 78.4



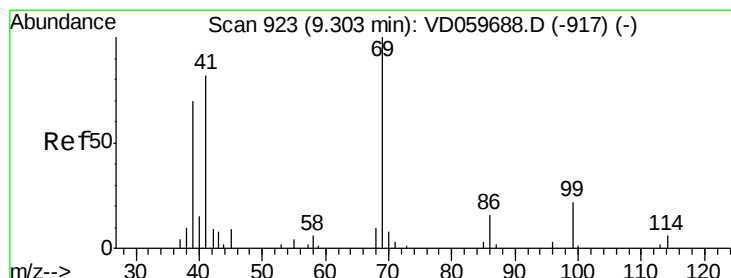
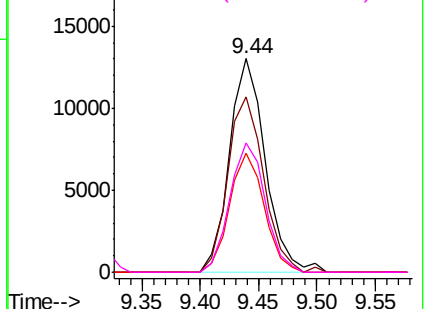
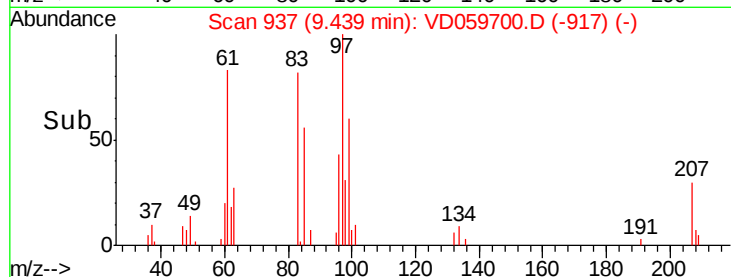
Abundance

Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 19.74 ug/l

RT: 9.30 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD059700.D

Acq: 7 Aug 2018 12:58

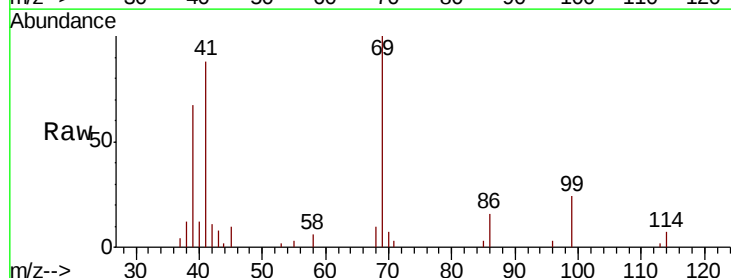
Tgt Ion: 69 Resp: 30230

Ion Ratio Lower Upper

69 100

41 87.7 65.7 98.5

39 67.3 55.8 83.8

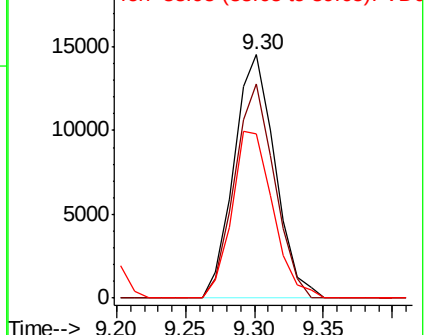
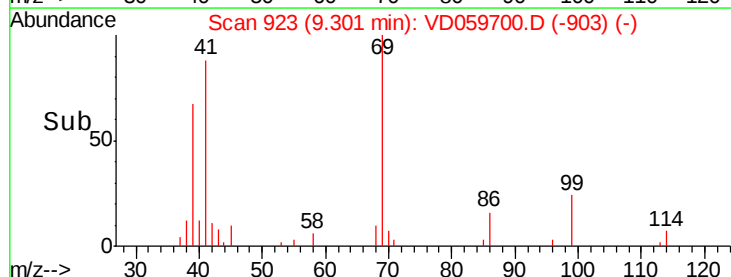


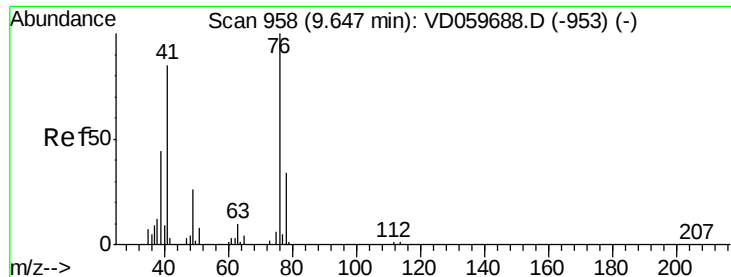
Abundance

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: 20.21 ug/l

RT: 9.66 min Scan# 959

Delta R.T. 0.01 min

Lab File: VD059700.D

Acq: 7 Aug 2018 12:58

Instrument :

MSVOA_D

ClientSampleId :

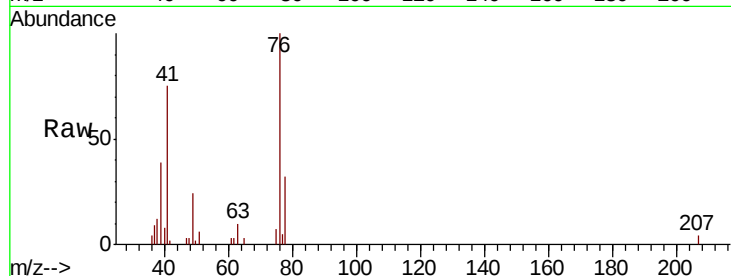
VD0807SBS01

Tot Ion: 76 Resp: 43509

Ion Ratio Lower Upper

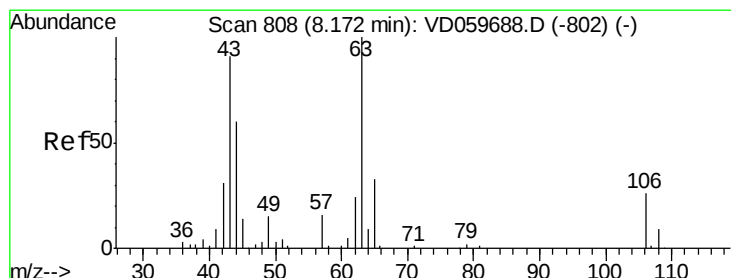
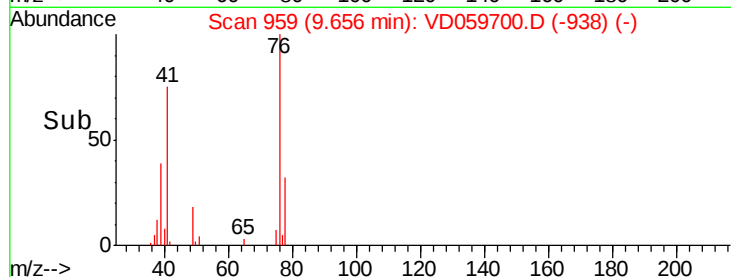
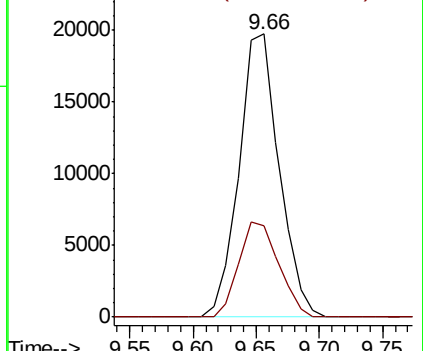
76 100

78 32.4 27.5 41.3



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 110.02 ug/l

RT: 8.17 min Scan# 808

Delta R.T. -0.00 min

Lab File: VD059700.D

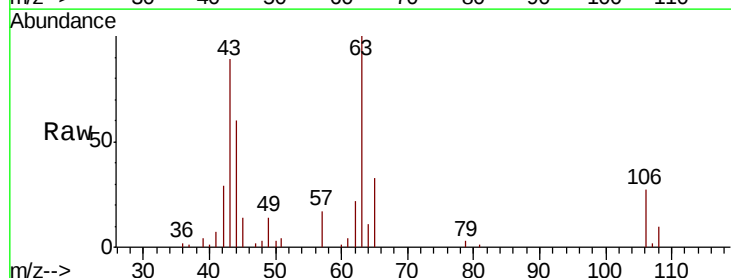
Acq: 7 Aug 2018 12:58

Tgt Ion: 63 Resp: 80254

Ion Ratio Lower Upper

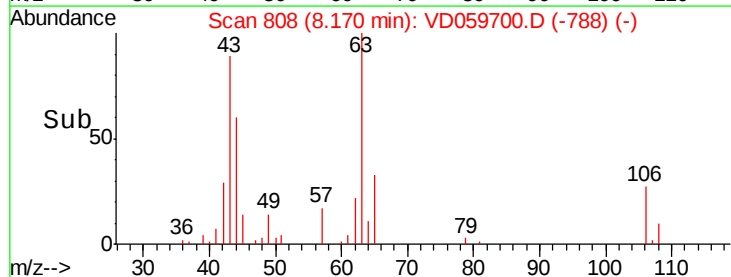
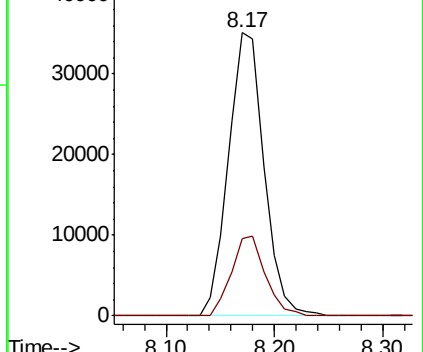
63 100

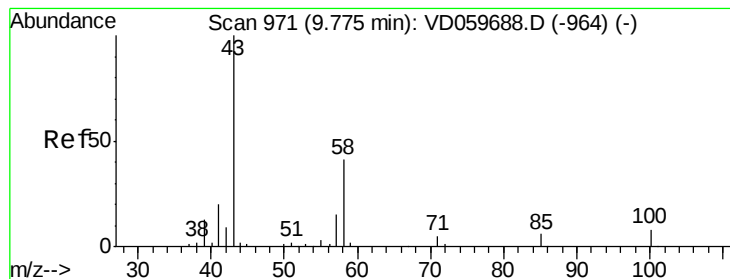
106 27.3 20.7 31.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC





#59

2-Hexanone

Concen: 92.40 ug/l

RT: 9.77 min Scan# 971

Delta R.T. -0.00 min

Lab File: VD059700.D

Acq: 7 Aug 2018 12:58

Instrument :

MSVOA_D

ClientSampleId :

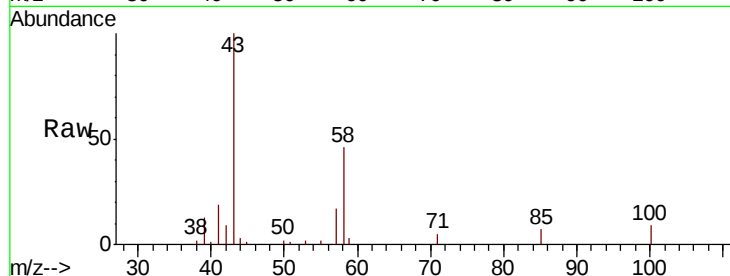
VD0807SBS01

Tot Ion: 43 Resp: 93786

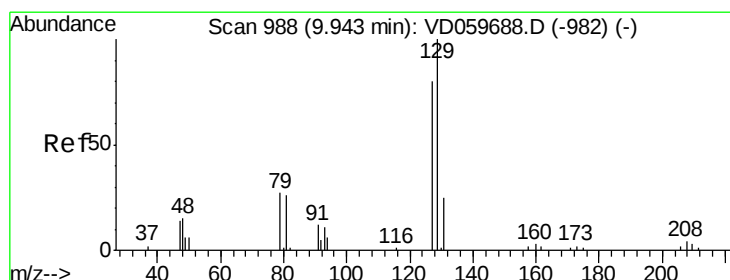
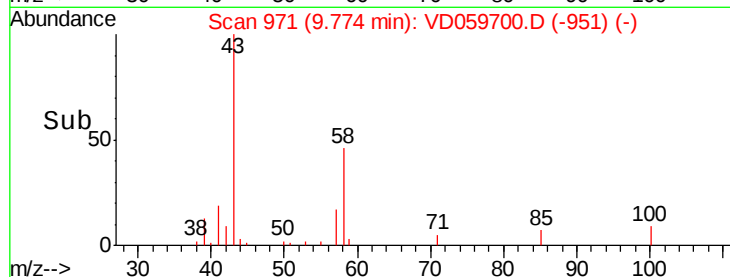
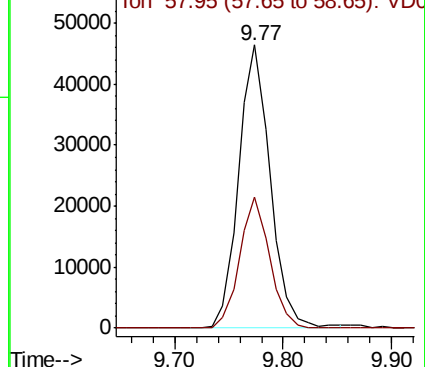
Ion Ratio Lower Upper

43 100

58 46.2 20.4 61.3



Abundance Ion 42.95 (42.65 to 43.65): VD059688.D (-964) (-)



#60

Dibromochloromethane

Concen: 20.93 ug/l

RT: 9.94 min Scan# 988

Delta R.T. -0.00 min

Lab File: VD059700.D

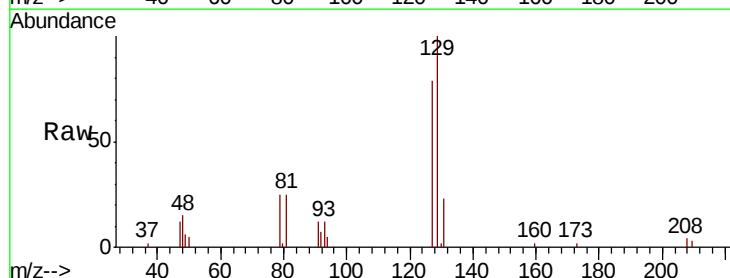
Acq: 7 Aug 2018 12:58

Tgt Ion: 129 Resp: 46152

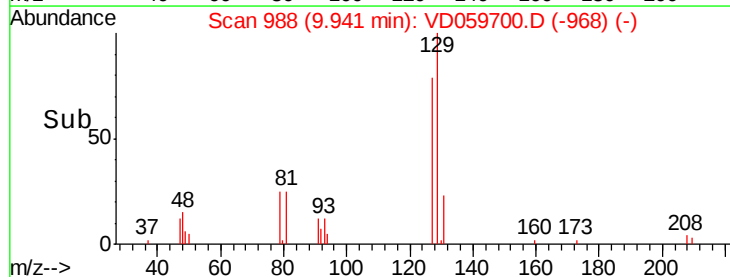
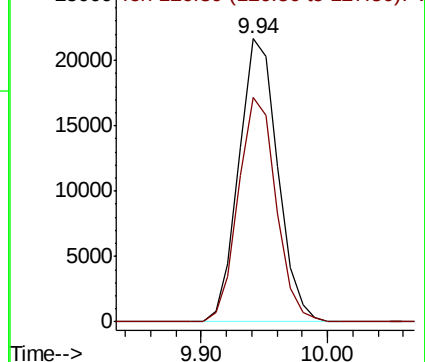
Ion Ratio Lower Upper

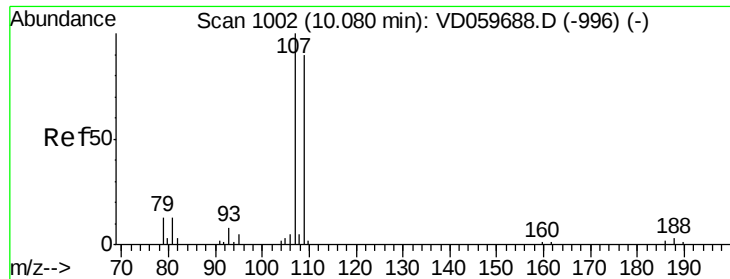
129 100

127 79.1 40.0 119.9



Abundance Ion 128.80 (128.50 to 129.50): VD059688.D (-982) (-)





#61

1,2-Dibromoethane

Concen: 20.24 ug/l

RT: 10.08 min Scan# 1002

Delta R.T. -0.00 min

Lab File: VD059700.D

Acq: 7 Aug 2018 12:58

Instrument :

MSVOA_D

ClientSampleId :

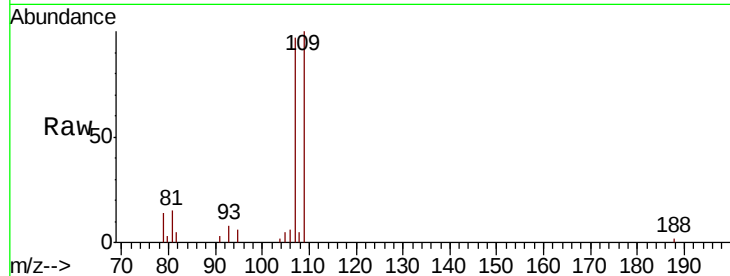
VD0807SBSD01

Tot Ion:107 Resp: 32299

Ion Ratio Lower Upper

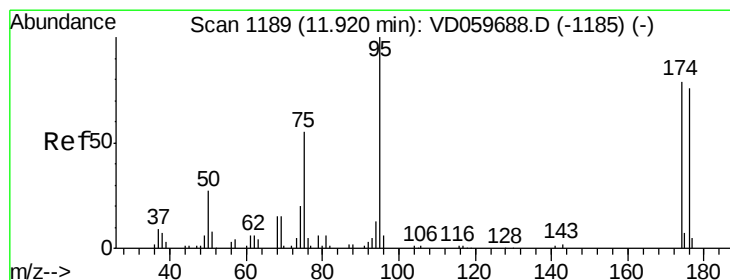
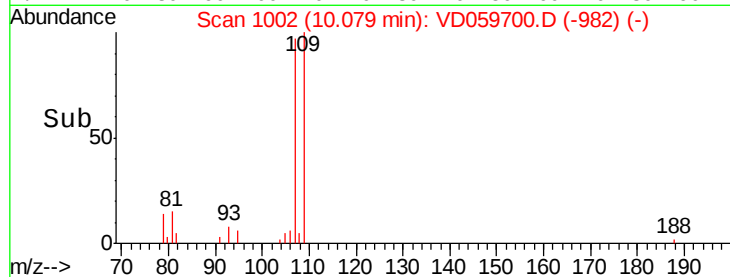
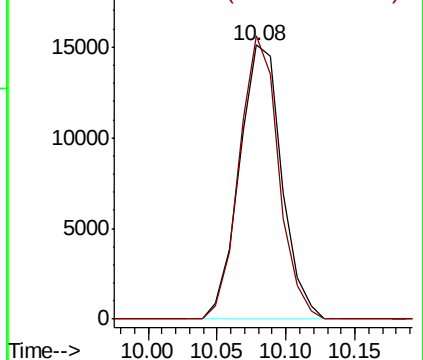
107 100

109 103.3 72.0 108.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 20.24 ug/l

RT: 11.92 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VD059700.D

Acq: 7 Aug 2018 12:58

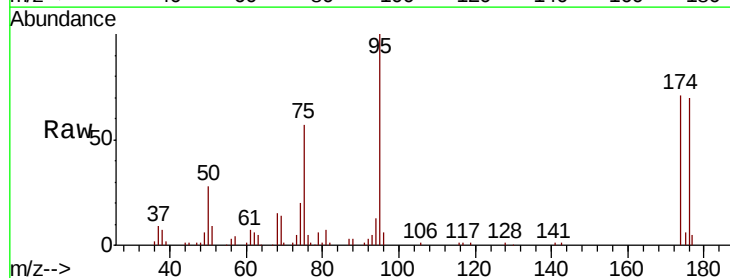
Tgt Ion: 95 Resp: 122032

Ion Ratio Lower Upper

95 100

174 71.4 0.0 158.4

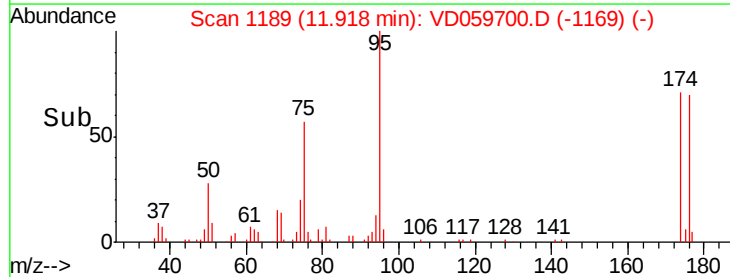
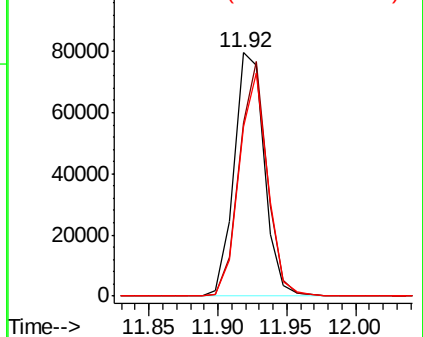
176 69.6 0.0 153.0

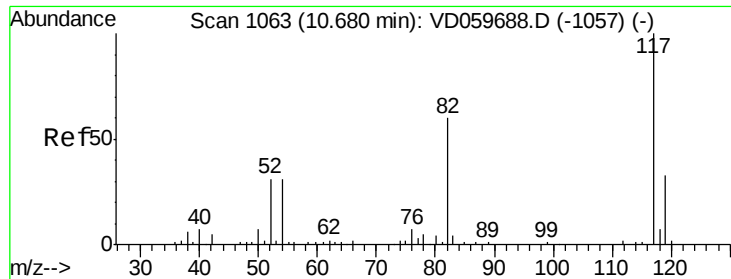


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

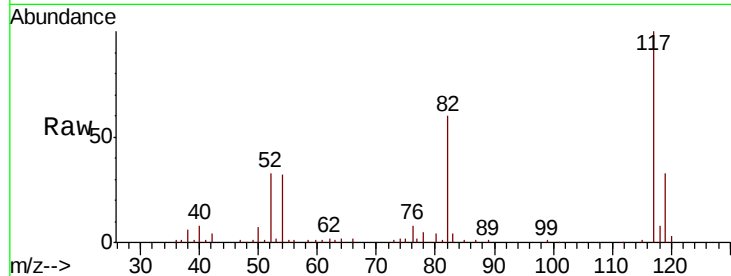




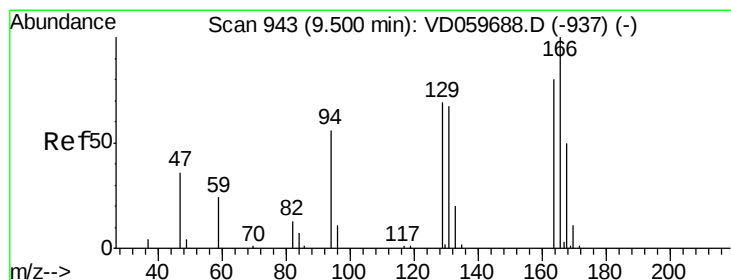
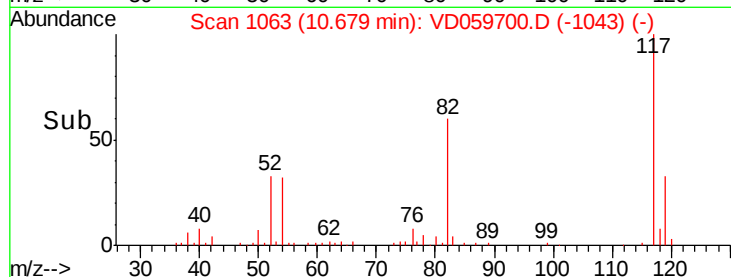
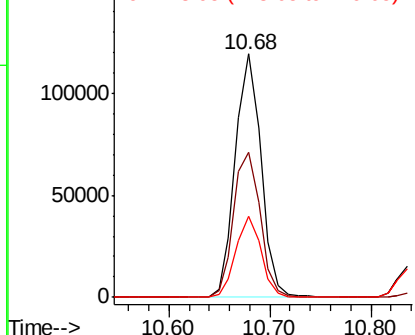
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.68 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VD059700.D
Acq: 7 Aug 2018 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0807SBSD01

Tot Ion:117 Resp: 212167
Ion Ratio Lower Upper
117 100
82 59.8 47.7 71.5
119 33.2 26.6 40.0

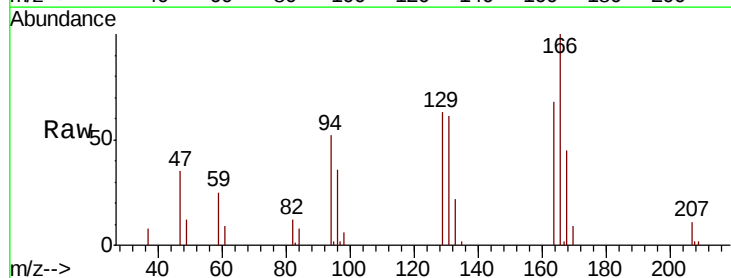


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

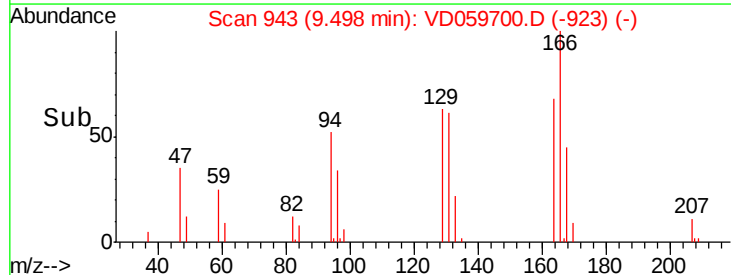
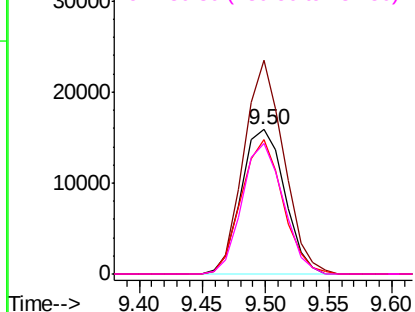


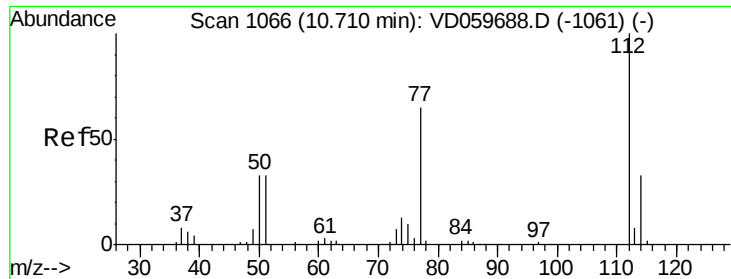
#64
Tetrachloroethene
Concen: 18.94 ug/l
RT: 9.50 min Scan# 943
Delta R.T. -0.00 min
Lab File: VD059700.D
Acq: 7 Aug 2018 12:58

Tgt Ion:164 Resp: 38044
Ion Ratio Lower Upper
164 100
166 147.8 100.5 150.7
129 93.1 69.3 103.9
131 89.9 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

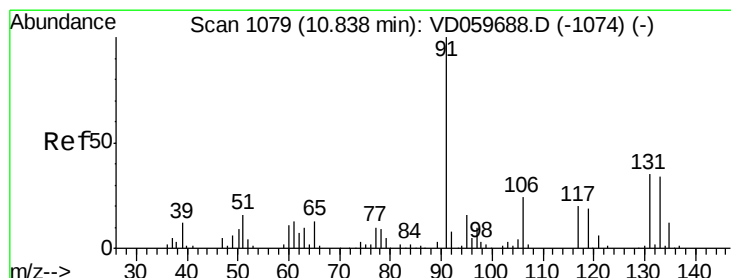
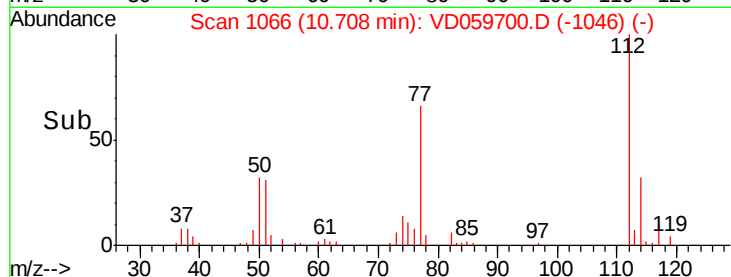
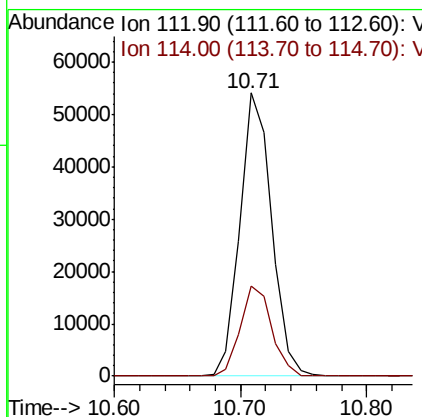
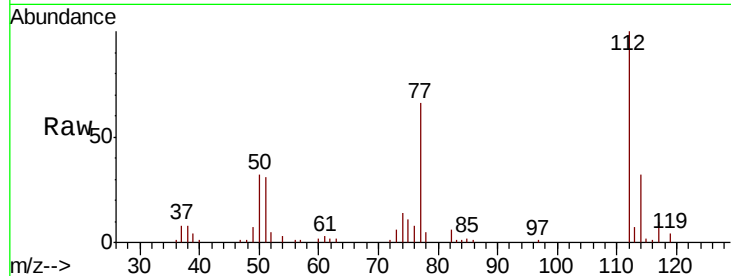




#65
Chlorobenzene
Concen: 21.02 ug/l
RT: 10.71 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VD059700.D
Acq: 7 Aug 2018 12:58

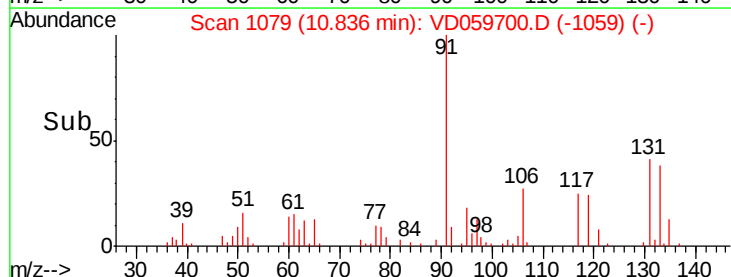
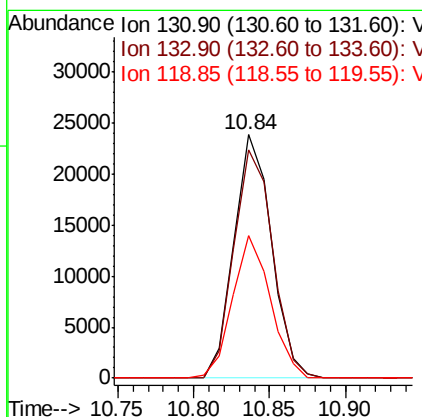
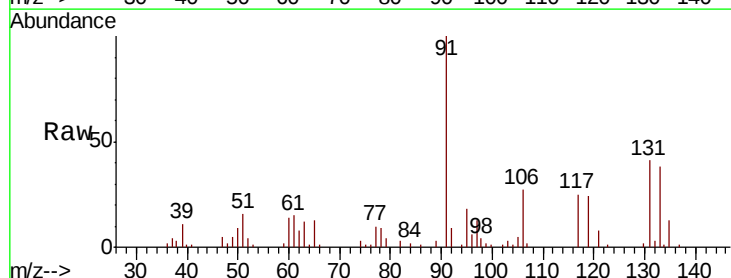
Instrument :
MSVOA_D
ClientSampleId :
VD0807SBSD01

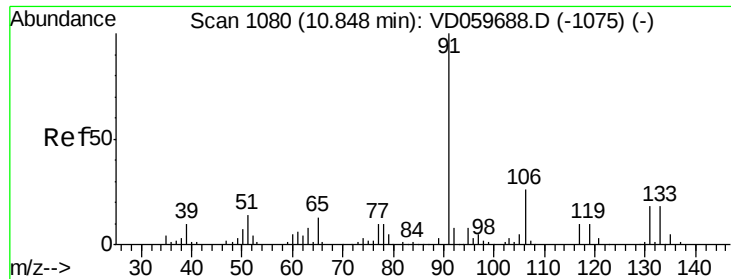
Tot Ion:112 Resp: 93967
Ion Ratio Lower Upper
112 100
114 31.8 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 21.01 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. -0.00 min
Lab File: VD059700.D
Acq: 7 Aug 2018 12:58

Tgt Ion:131 Resp: 41186
Ion Ratio Lower Upper
131 100
133 93.5 49.7 149.1
119 58.5 27.0 80.8

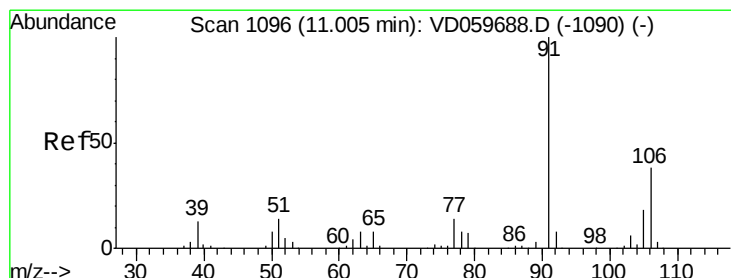
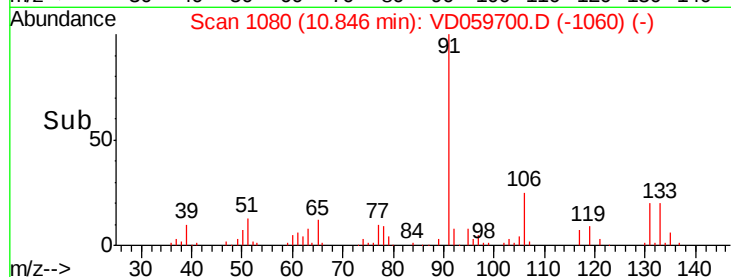
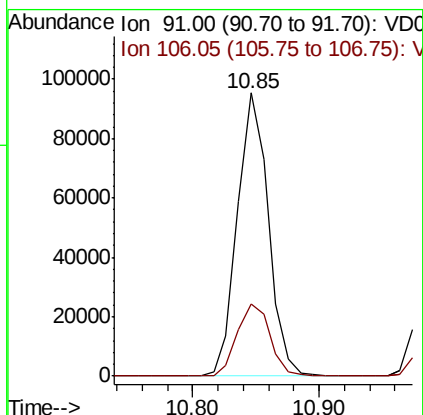
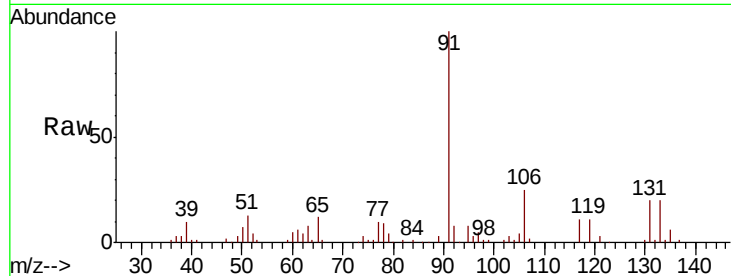




#67
Ethyl Benzene
Concen: 20.08 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VD059700.D
Acq: 7 Aug 2018 12:58

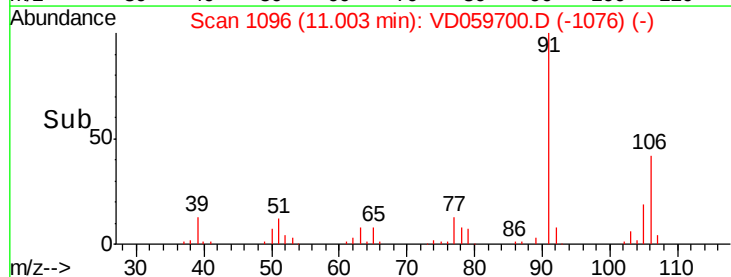
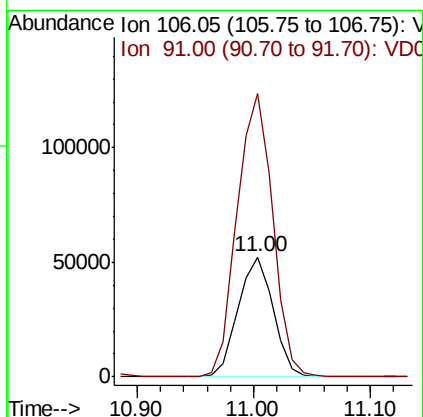
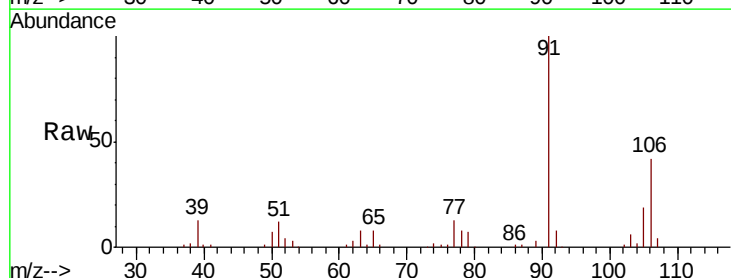
Instrument :
MSVOA_D
ClientSampleId :
VD0807SBS01

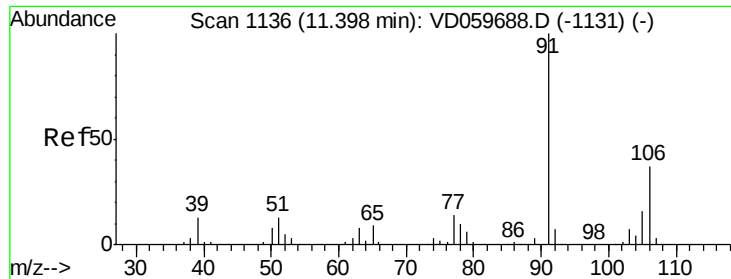
Tot Ion: 91 Resp: 161701
Ion Ratio Lower Upper
91 100
106 25.4 20.9 31.3



#68
m/p-Xylenes
Concen: 42.38 ug/l
RT: 11.00 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VD059700.D
Acq: 7 Aug 2018 12:58

Tgt Ion: 106 Resp: 109161
Ion Ratio Lower Upper
106 100
91 236.6 209.7 314.5

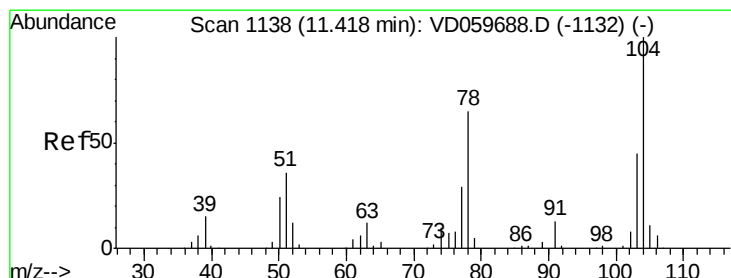
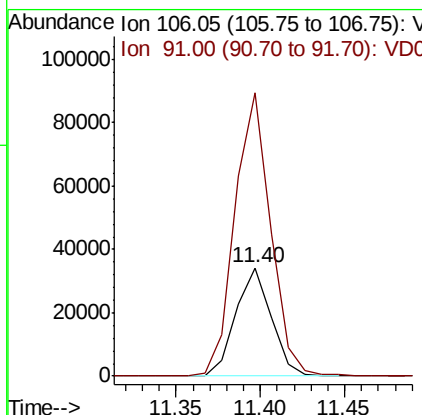
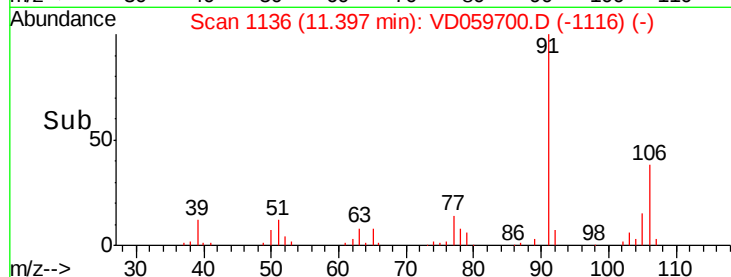
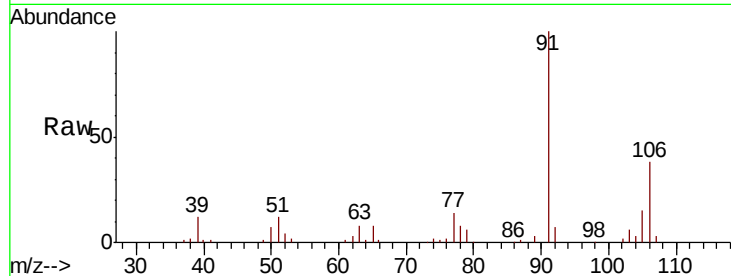




#69
o-Xylene
Concen: 20.05 ug/l
RT: 11.40 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VD059700.D
Acq: 7 Aug 2018 12:58

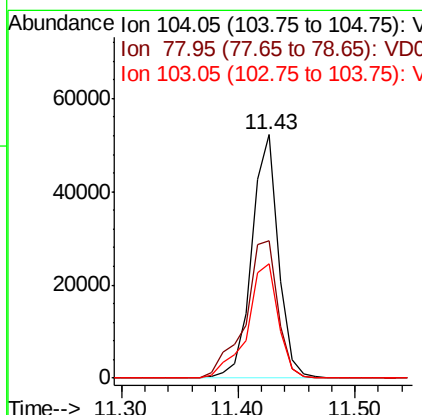
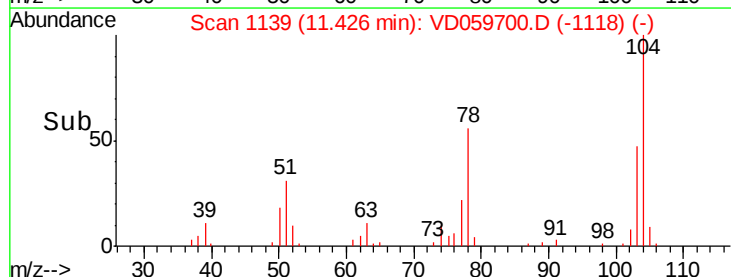
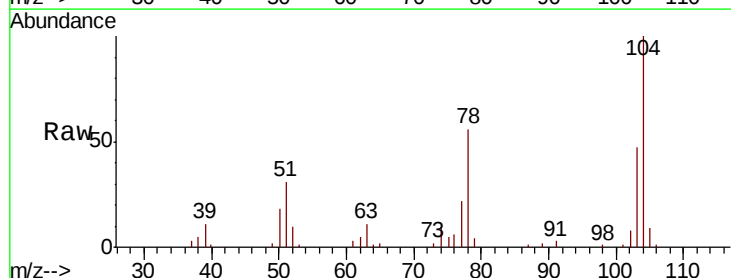
Instrument :
MSVOA_D
ClientSampleID :
VD0807SBSD01

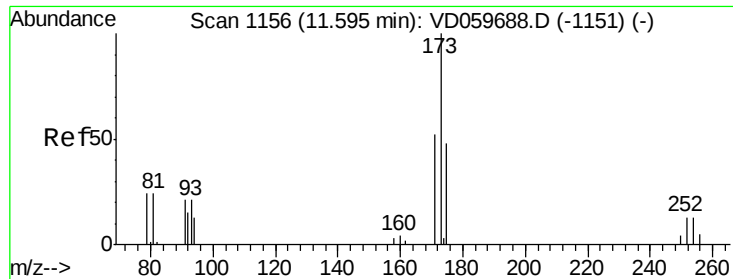
Tot Ion:106 Resp: 50220
Ion Ratio Lower Upper
106 100
91 261.6 135.2 405.6



#70
Styrene
Concen: 19.55 ug/l
RT: 11.43 min Scan# 1139
Delta R.T. 0.01 min
Lab File: VD059700.D
Acq: 7 Aug 2018 12:58

Tgt Ion:104 Resp: 82173
Ion Ratio Lower Upper
104 100
78 56.4 51.9 77.9
103 46.8 36.2 54.4

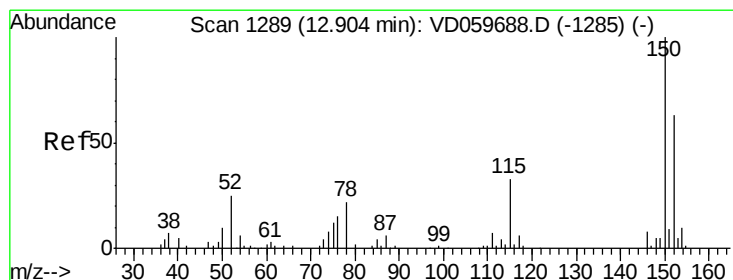
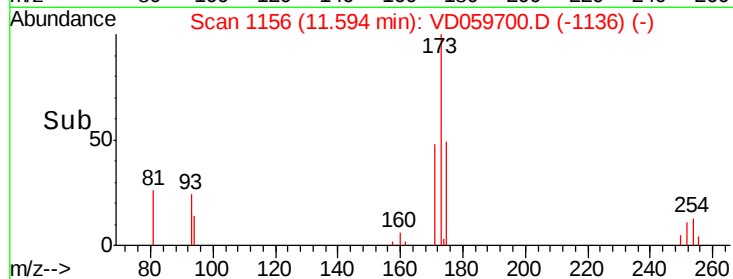
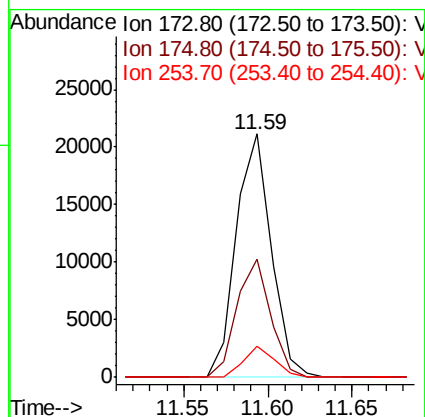
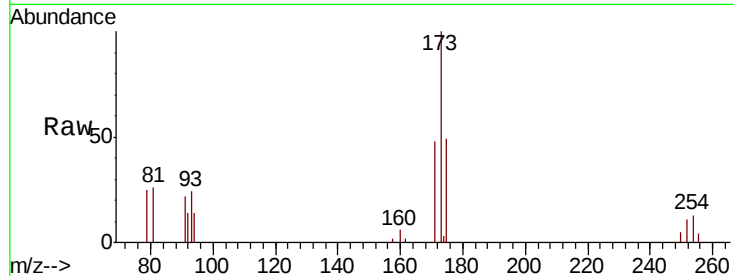




#71
Bromoform
Concen: 20.68 ug/l
RT: 11.59 min Scan# 1156
Delta R.T. -0.00 min
Lab File: VD059700.D
Acq: 7 Aug 2018 12:58

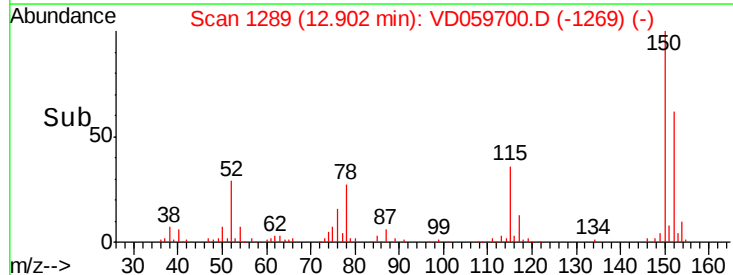
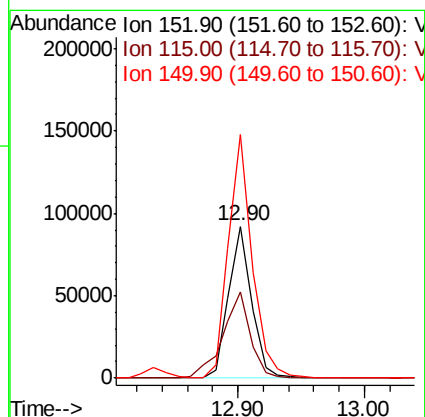
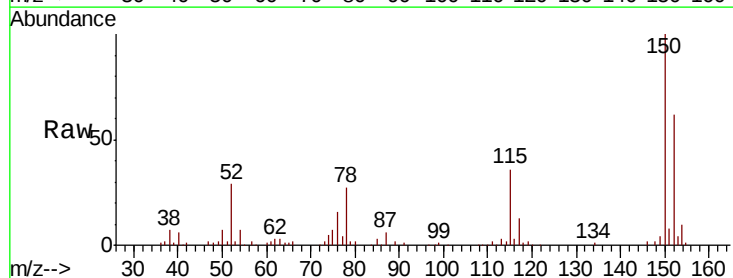
Instrument :
MSVOA_D
ClientSampleId :
VD0807SBS01

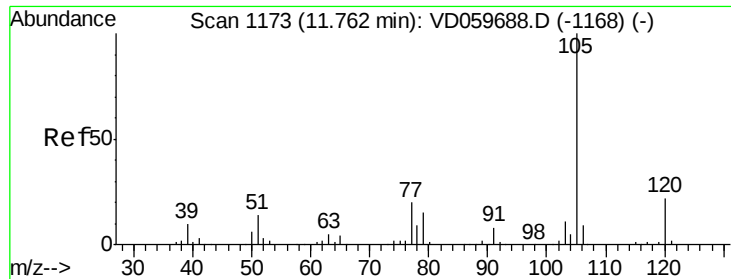
Tot Ion:173 Resp: 30533
Ion Ratio Lower Upper
173 100
175 48.6 24.1 72.4
254 12.9 10.6 16.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.90 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VD059700.D
Acq: 7 Aug 2018 12:58

Tgt Ion:152 Resp: 115290
Ion Ratio Lower Upper
152 100
115 57.1 28.8 86.4
150 160.7 0.0 318.0





#73

Isopropylbenzene

Concen: 19.76 ug/l

RT: 11.76 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VD059700.D

Acq: 7 Aug 2018 12:58

Instrument :

MSVOA_D

ClientSampleId :

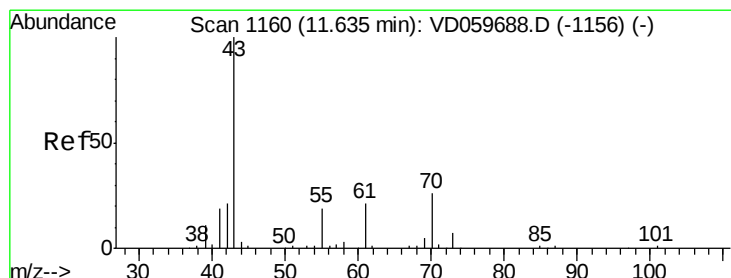
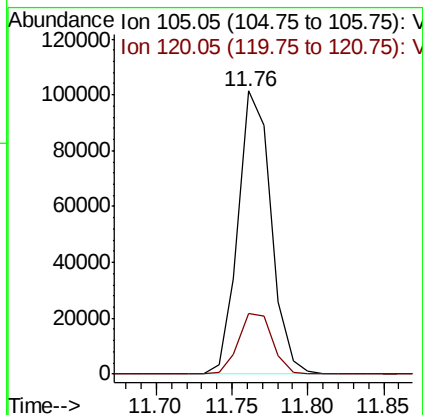
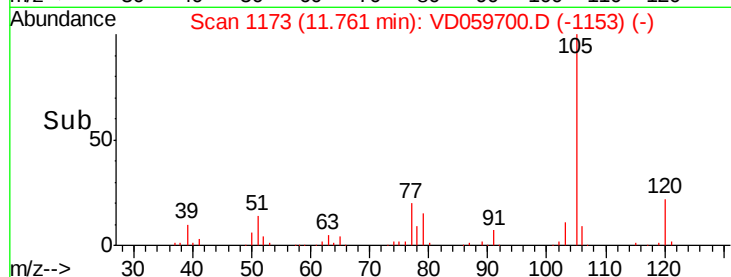
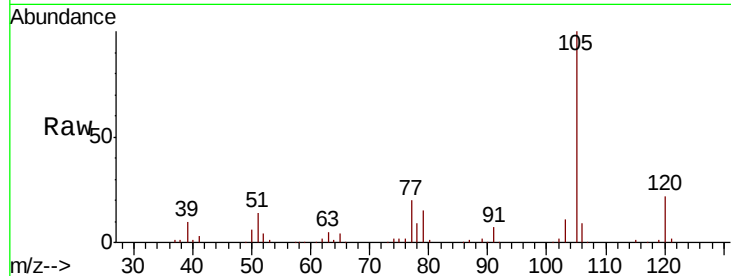
VD0807SBS01

Tot Ion:105 Resp: 153075

Ion Ratio Lower Upper

105 100

120 21.5 10.8 32.3



#74

N-ethyl acetate

Concen: 20.02 ug/l

RT: 11.63 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VD059700.D

Acq: 7 Aug 2018 12:58

Tgt Ion: 43 Resp: 49633

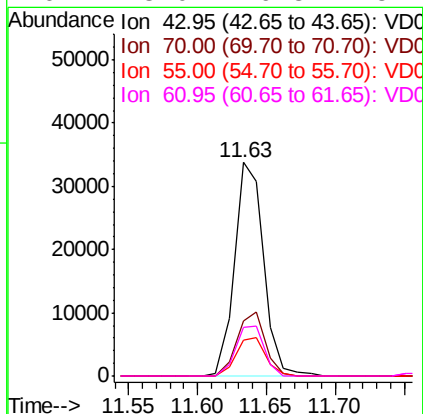
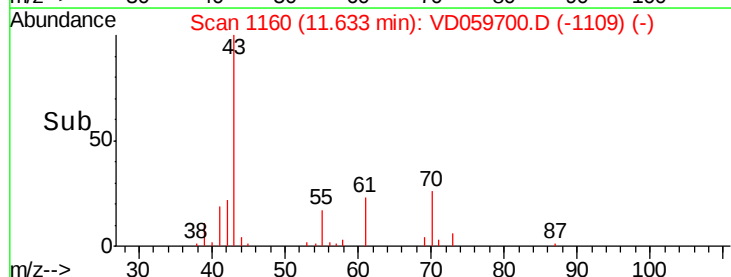
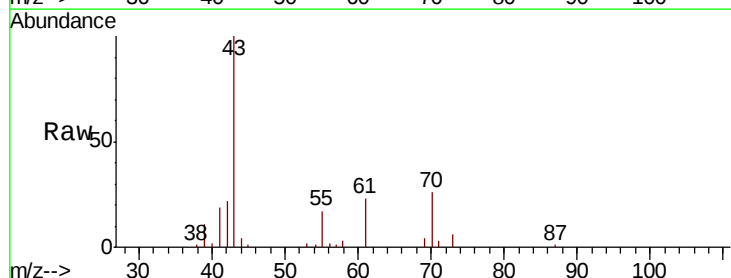
Ion Ratio Lower Upper

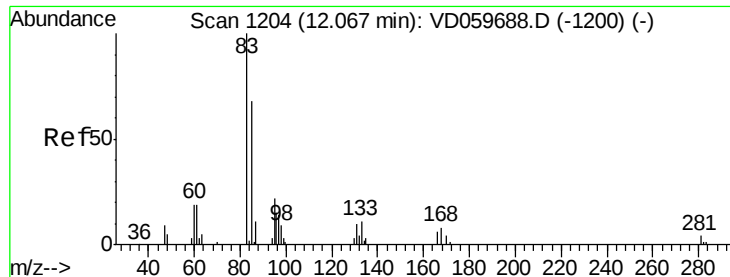
43 100

70 25.8 21.0 31.6

55 16.7 15.4 23.2

61 23.0 16.8 25.2





#75

1,1,2,2-Tetrachloroethane

Concen: 16.84 ug/l

RT: 12.08 min Scan# 1205

Delta R.T. 0.01 min

Lab File: VD059700.D

Acq: 7 Aug 2018 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0807SBS01

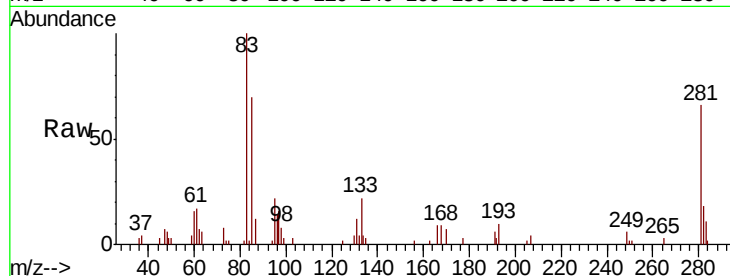
Tot Ion: 83 Resp: 26187

Ion Ratio Lower Upper

83 100

131 11.7 5.3 15.9

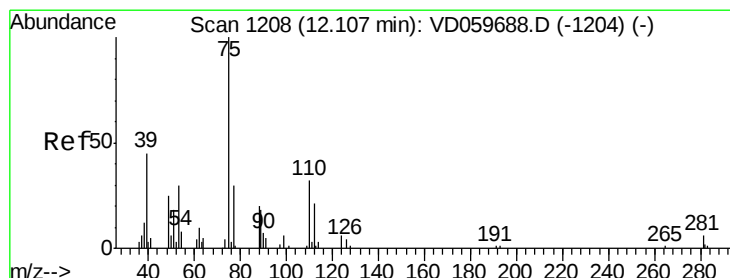
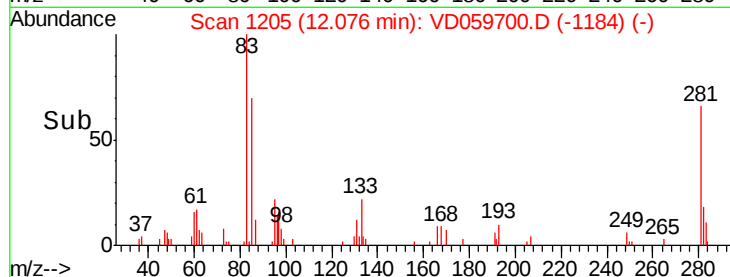
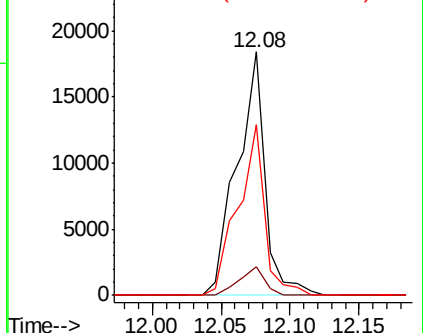
85 70.2 34.1 102.2



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: 21.13 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VD059700.D

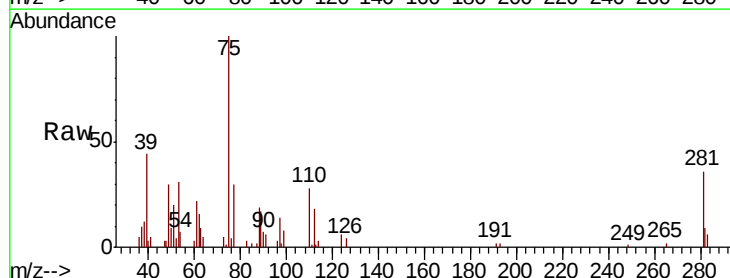
Acq: 7 Aug 2018 12:58

Tgt Ion: 75 Resp: 37661

Ion Ratio Lower Upper

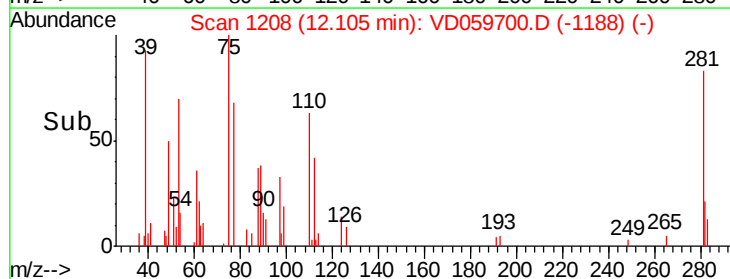
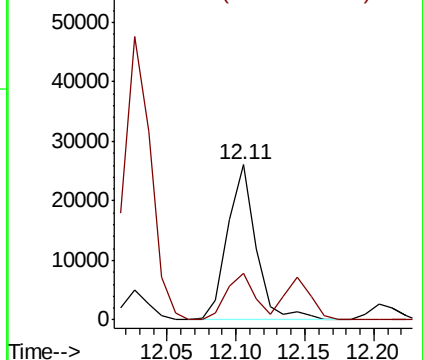
75 100

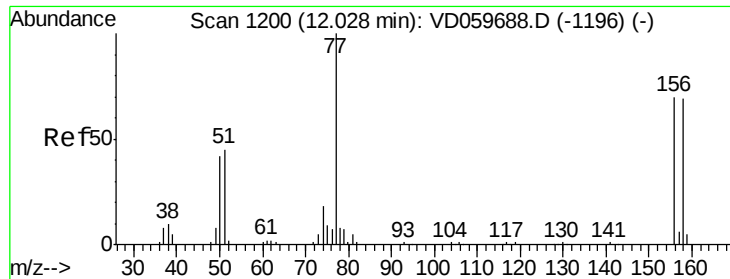
77 29.8 15.5 46.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.74 ug/l

RT: 12.04 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD059700.D

Acq: 7 Aug 2018 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0807SBS01

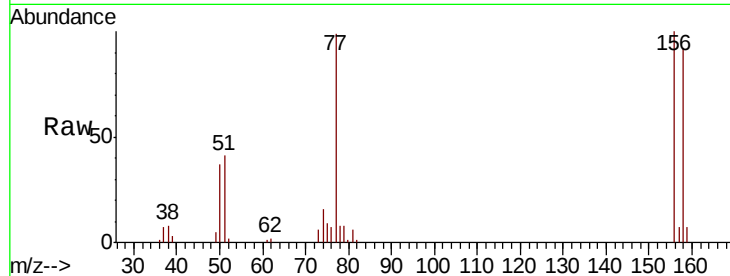
Tot Ion:156 Resp: 49092

Ion Ratio Lower Upper

156 100

77 99.2 71.2 213.6

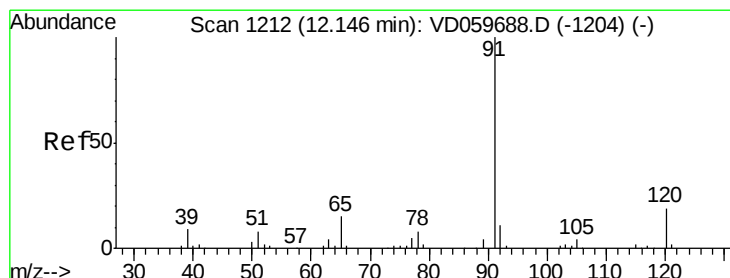
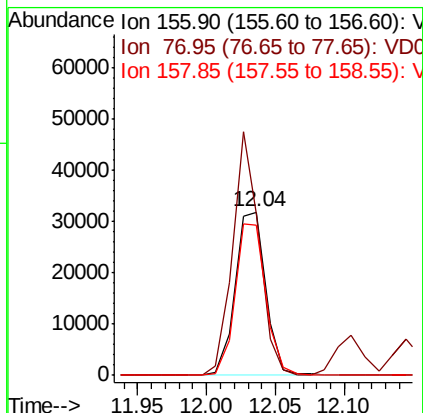
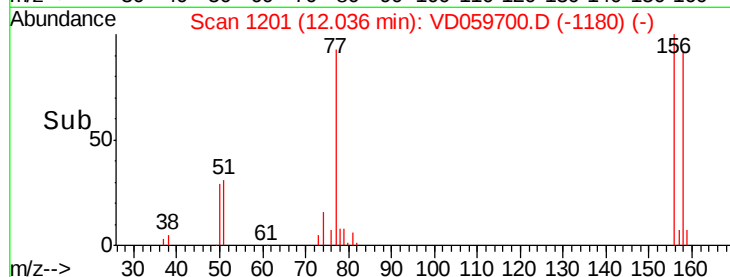
158 92.0 49.1 147.3



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 20.75 ug/l

RT: 12.14 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VD059700.D

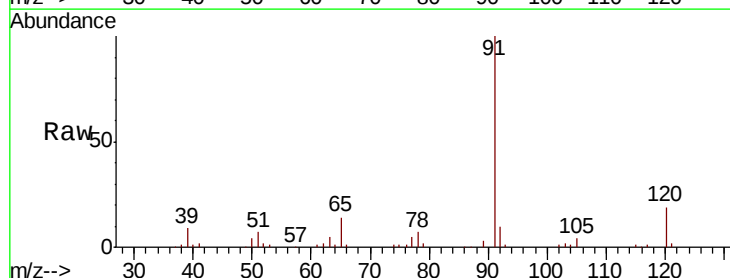
Acq: 7 Aug 2018 12:58

Tgt Ion: 91 Resp: 199268

Ion Ratio Lower Upper

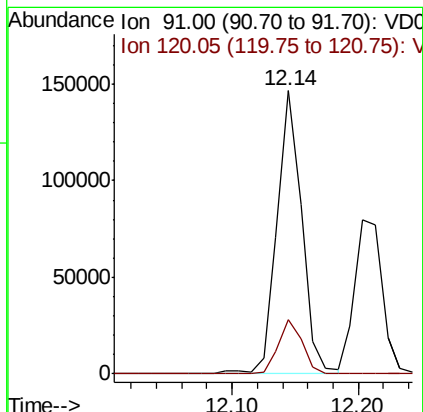
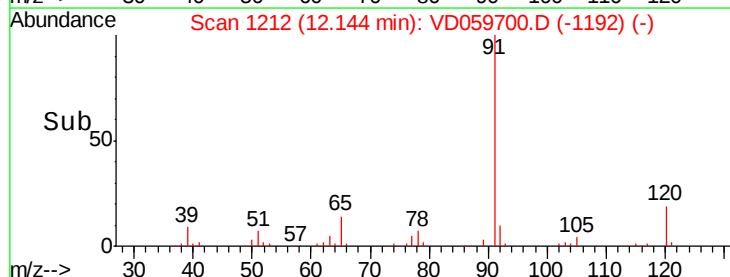
91 100

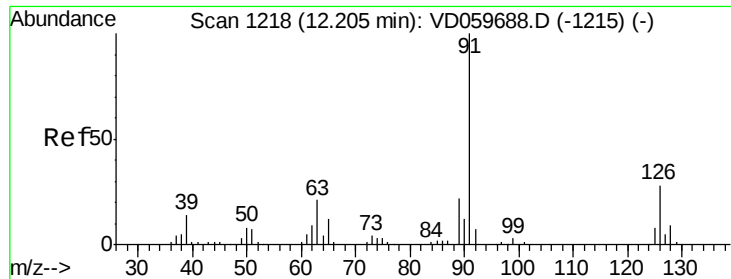
120 19.4 9.5 28.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

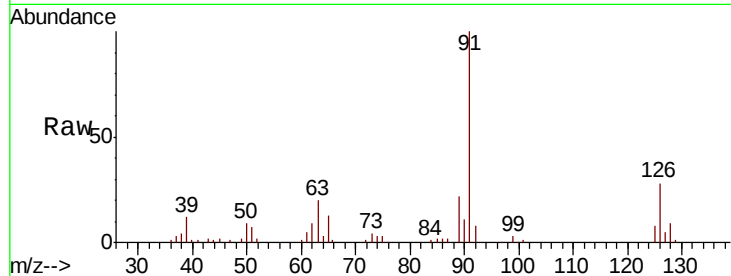




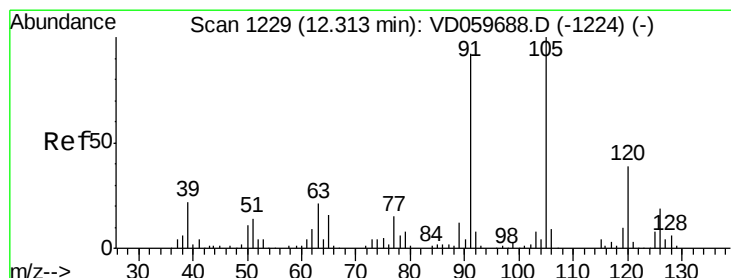
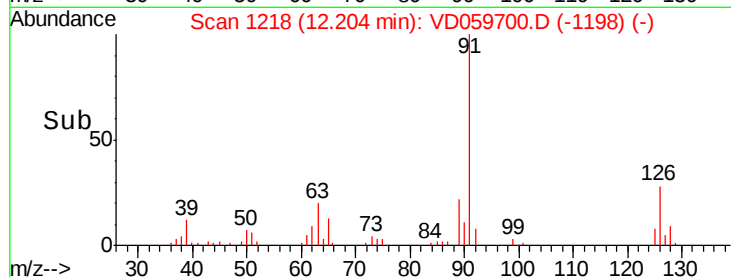
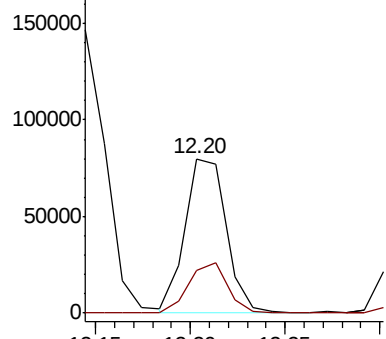
#79
 2-Chlorotoluene
 Concen: 20.74 ug/l
 RT: 12.20 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VD059700.D
 Acq: 7 Aug 2018 12:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0807SBSD01

Tot Ion: 91 Resp: 120283
 Ion Ratio Lower Upper
 91 100
 126 27.8 13.7 41.0

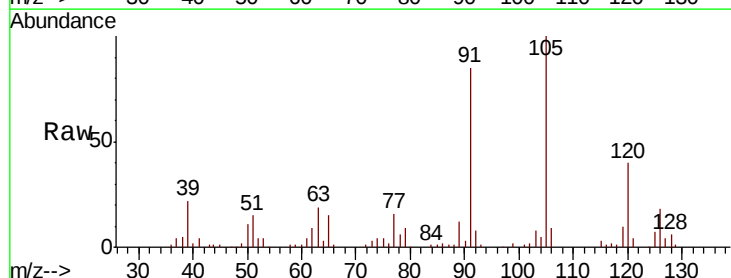


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

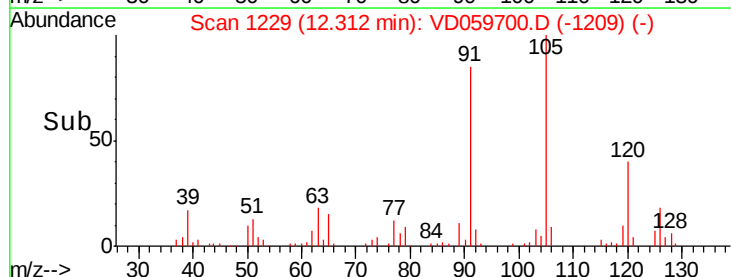
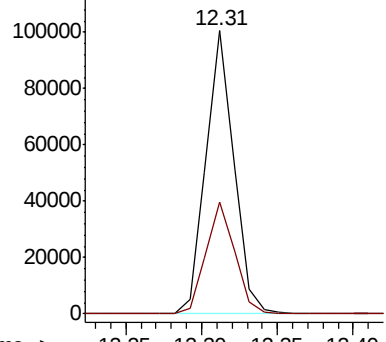


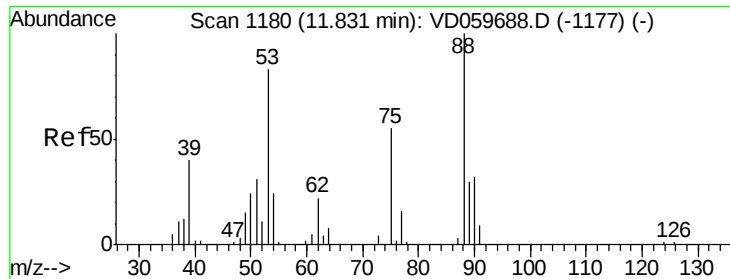
#80
 1,3,5-Trimethylbenzene
 Concen: 19.92 ug/l
 RT: 12.31 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VD059700.D
 Acq: 7 Aug 2018 12:58

Tgt Ion: 105 Resp: 128570
 Ion Ratio Lower Upper
 105 100
 120 39.7 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: 20.25 ug/l

RT: 11.83 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD059700.D

Acq: 7 Aug 2018 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0807SBSD01

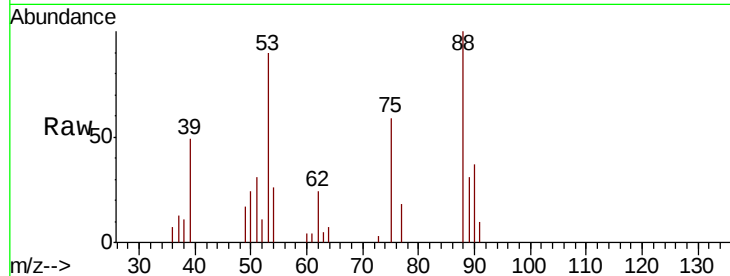
Tot Ion: 75 Resp: 8809

Ion Ratio Lower Upper

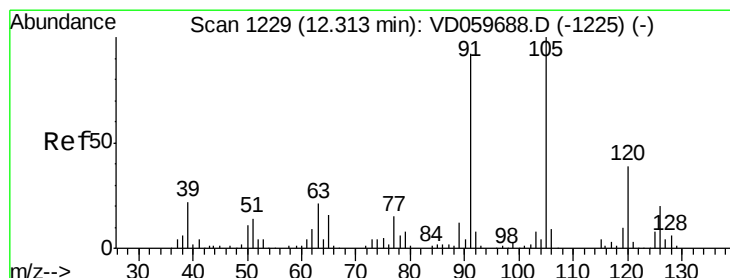
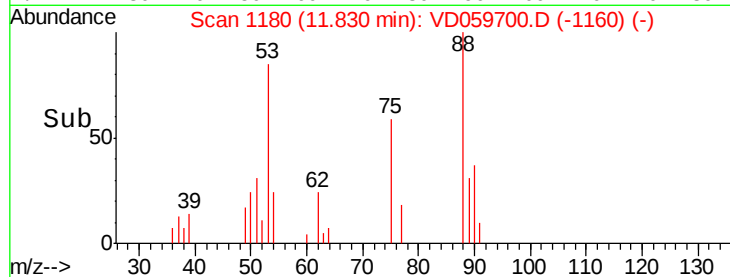
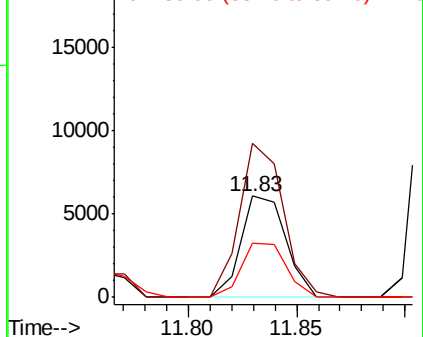
75 100

53 151.8 120.5 180.7

89 52.9 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: 20.76 ug/l

RT: 12.32 min Scan# 1230

Delta R.T. 0.01 min

Lab File: VD059700.D

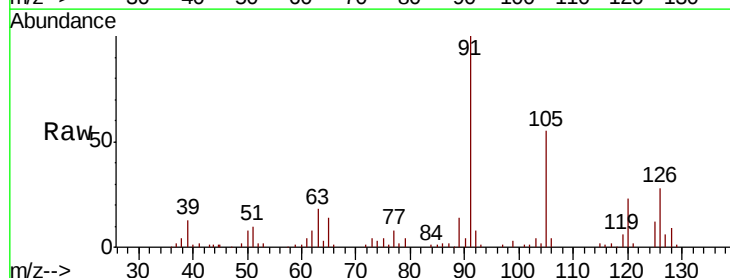
Acq: 7 Aug 2018 12:58

Tgt Ion: 91 Resp: 140913

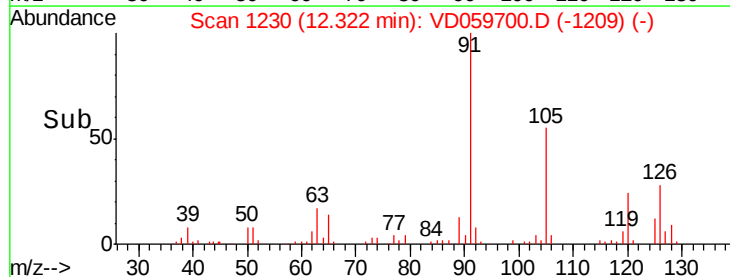
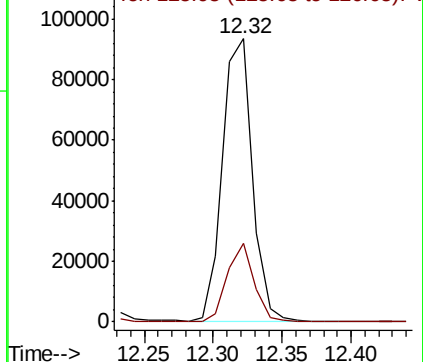
Ion Ratio Lower Upper

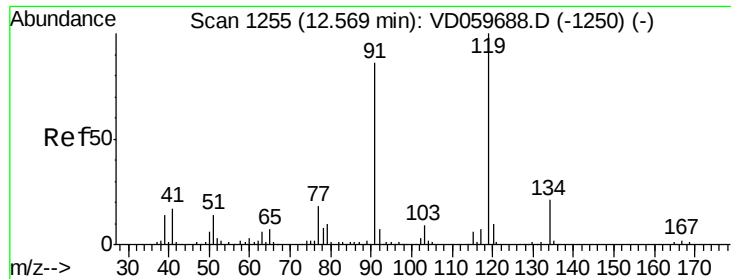
91 100

126 27.8 10.7 31.9



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

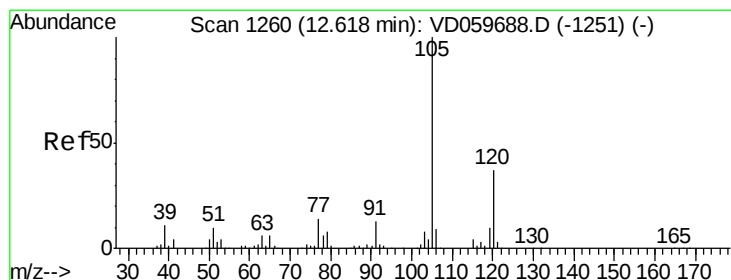
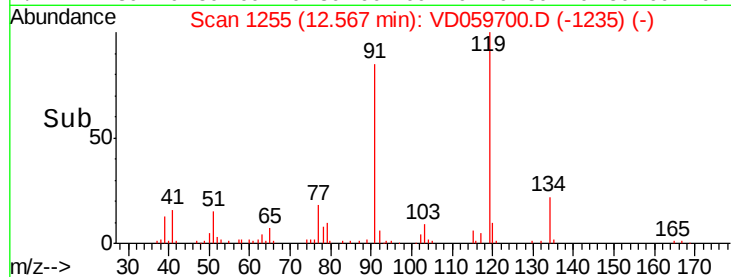
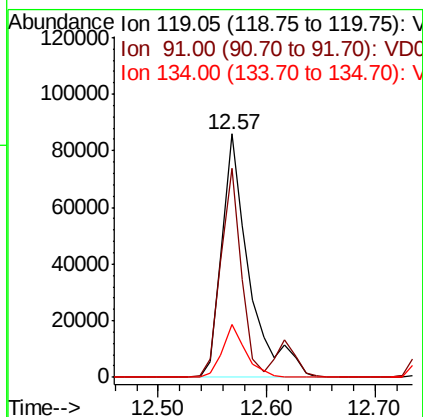
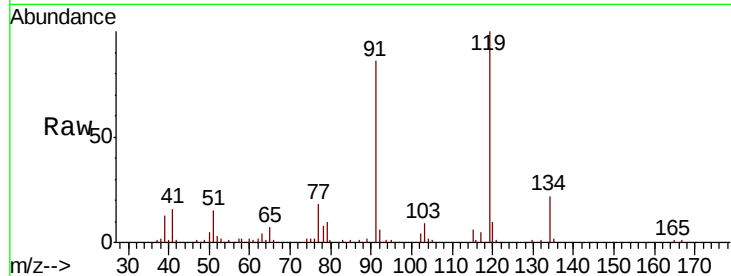




#83
 tert-Butylbenzene
 Concen: 20.88 ug/l
 RT: 12.57 min Scan# 1255
 Delta R.T. -0.00 min
 Lab File: VD059700.D
 Acq: 7 Aug 2018 12:58

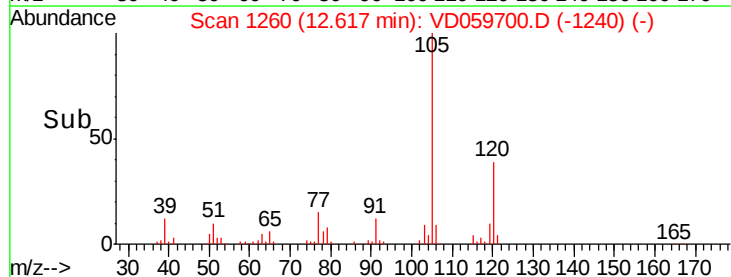
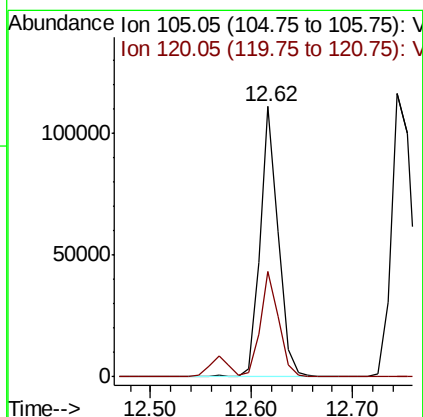
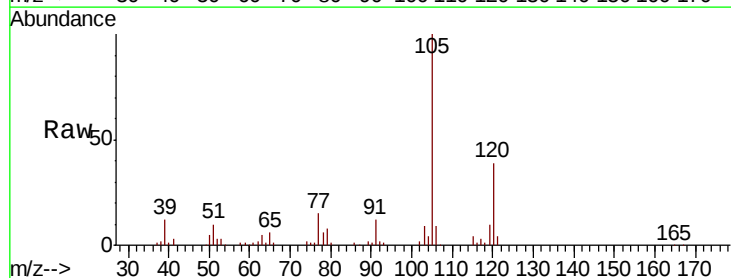
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0807SBS01

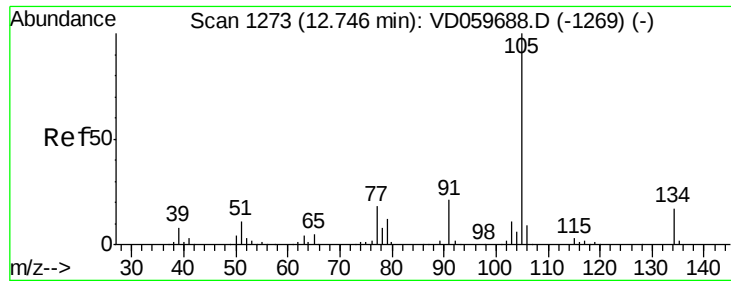
Tot Ion:119 Resp: 150827
 Ion Ratio Lower Upper
 119 100
 91 85.6 43.3 129.9
 134 21.8 10.5 31.6



#84
 1,2,4-Trimethylbenzene
 Concen: 20.44 ug/l
 RT: 12.62 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VD059700.D
 Acq: 7 Aug 2018 12:58

Tgt Ion:105 Resp: 139819
 Ion Ratio Lower Upper
 105 100
 120 39.2 18.7 56.1





#85

sec-Butylbenzene

Concen: 20.50 ug/l

RT: 12.74 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VD059700.D

Acq: 7 Aug 2018 12:58

Instrument :

MSVOA_D

ClientSampleId :

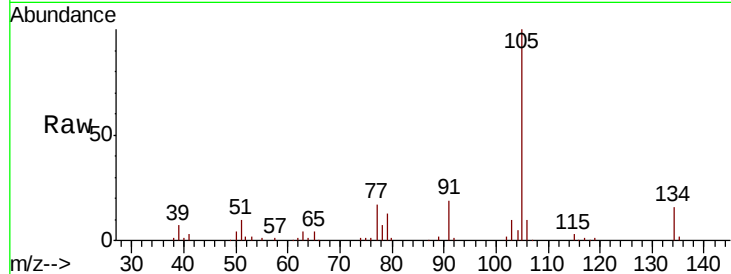
VD0807SBS01

Tot Ion:105 Resp: 164454

Ion Ratio Lower Upper

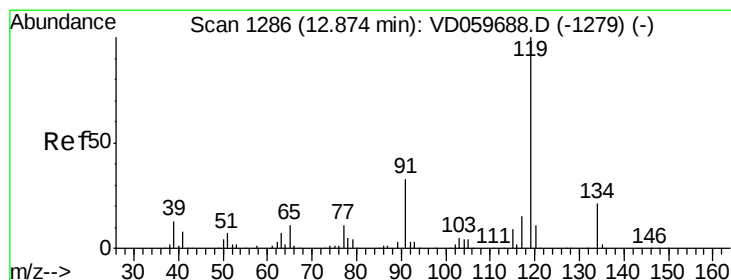
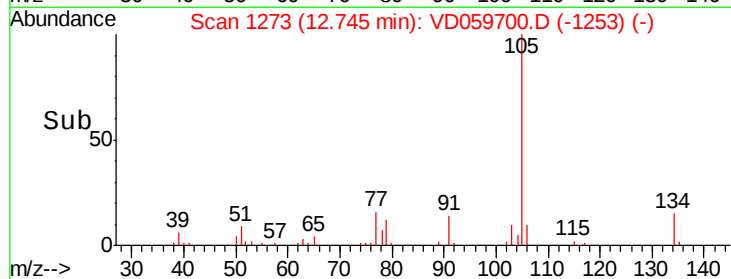
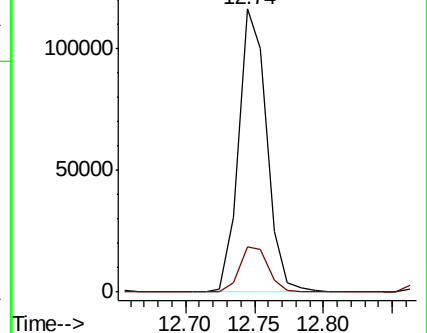
105 100

134 16.0 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: 20.55 ug/l

RT: 12.88 min Scan# 1287

Delta R.T. 0.01 min

Lab File: VD059700.D

Acq: 7 Aug 2018 12:58

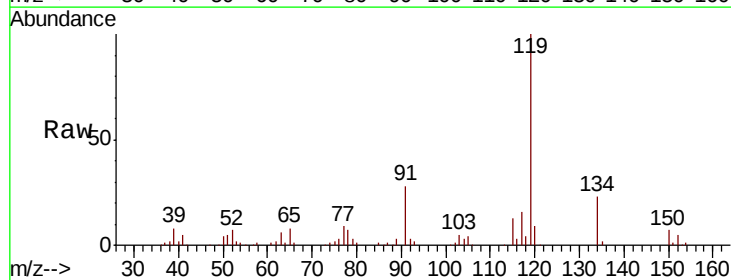
Tgt Ion:119 Resp: 140556

Ion Ratio Lower Upper

119 100

134 23.1 10.7 32.1

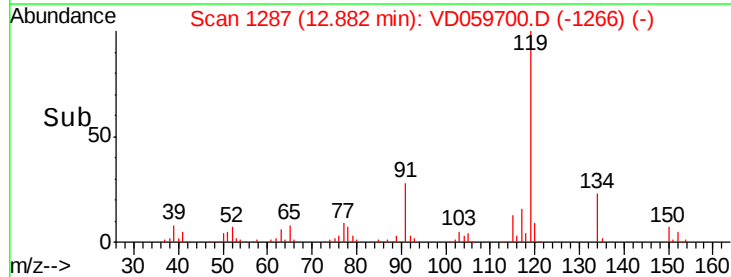
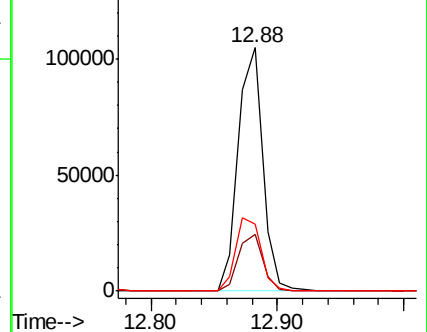
91 27.7 16.6 49.7

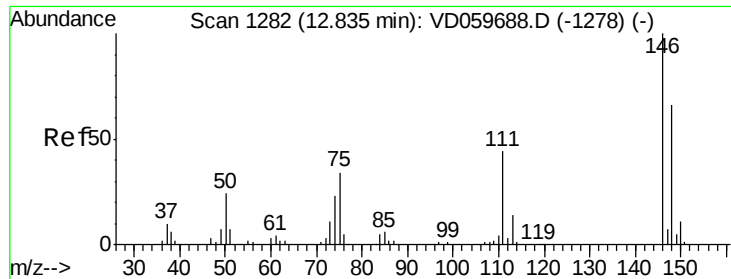


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

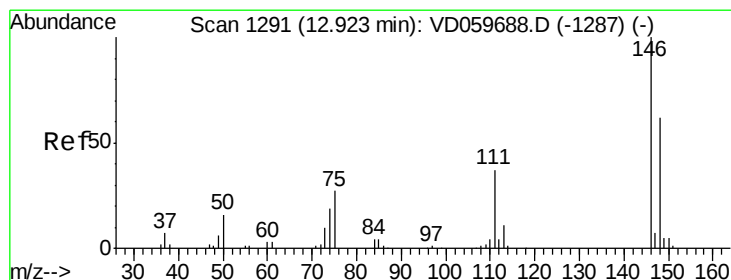
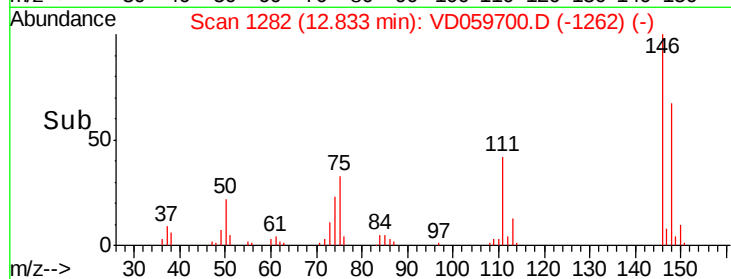
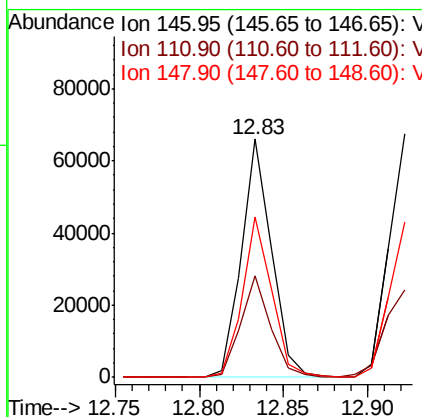
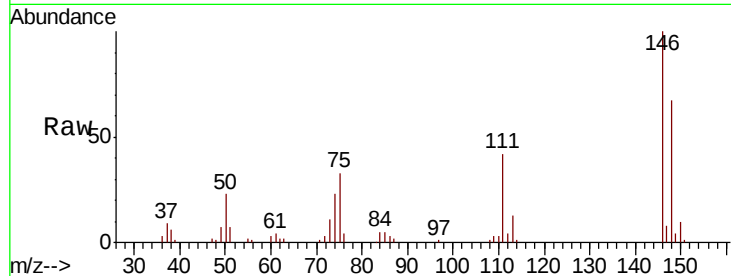




#87
 1,3-Dichlorobenzene
 Concen: 20.99 ug/l
 RT: 12.83 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VD059700.D
 Acq: 7 Aug 2018 12:58

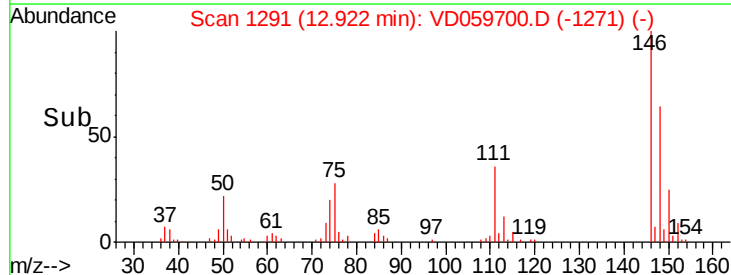
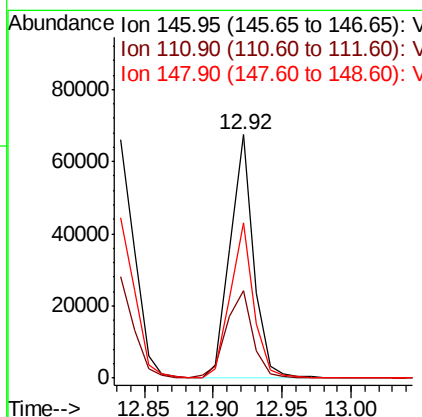
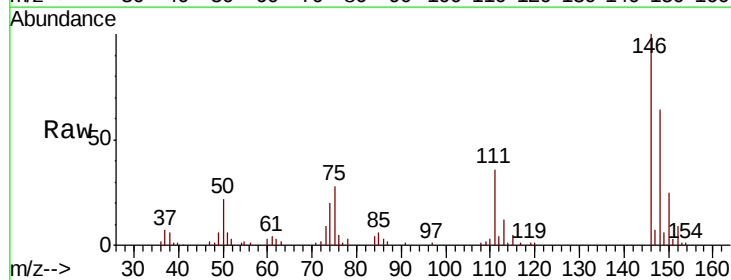
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0807SBSD01

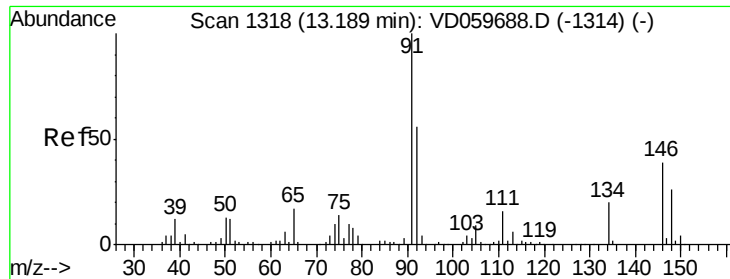
Tot Ion:146 Resp: 81809
 Ion Ratio Lower Upper
 146 100
 111 42.5 21.8 65.4
 148 67.1 33.1 99.2



#88
 1,4-Dichlorobenzene
 Concen: 20.60 ug/l
 RT: 12.92 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VD059700.D
 Acq: 7 Aug 2018 12:58

Tgt Ion:146 Resp: 80093
 Ion Ratio Lower Upper
 146 100
 111 36.0 18.6 55.8
 148 63.6 31.2 93.6

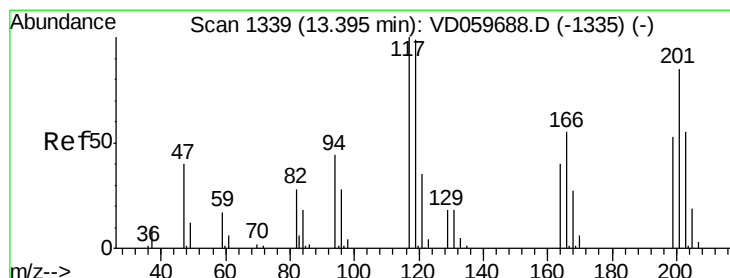
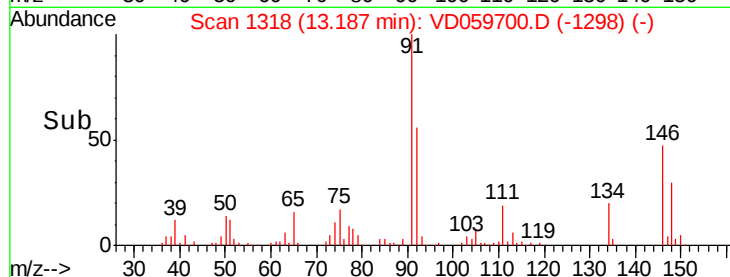
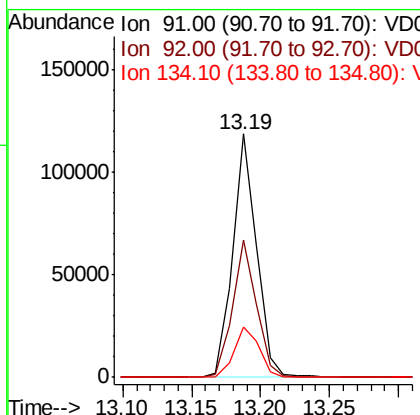
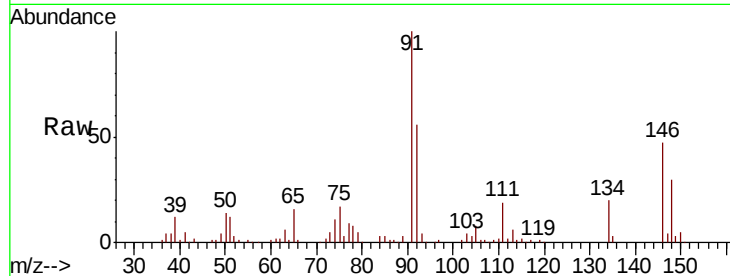




#89
n-Butylbenzene
Concen: 20.54 ug/l
RT: 13.19 min Scan# 1318
Delta R.T. -0.00 min
Lab File: VD059700.D
Acq: 7 Aug 2018 12:58

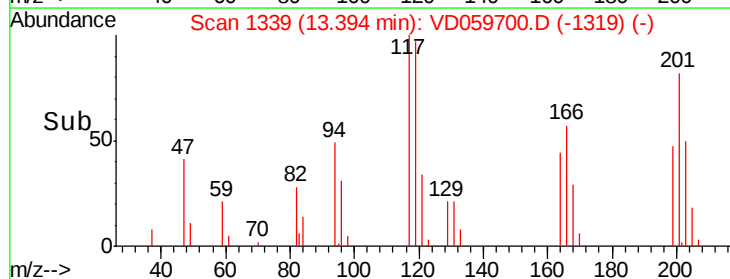
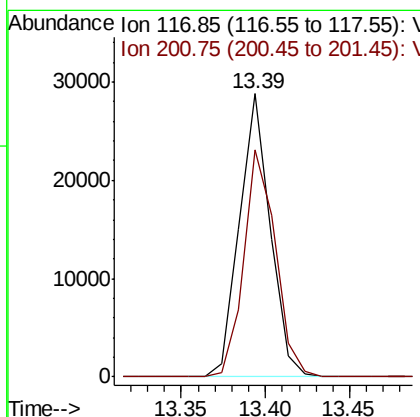
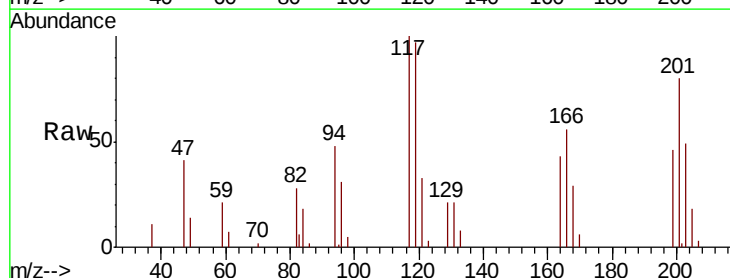
Instrument :
MSVOA_D
ClientSampleId :
VD0807SBS01

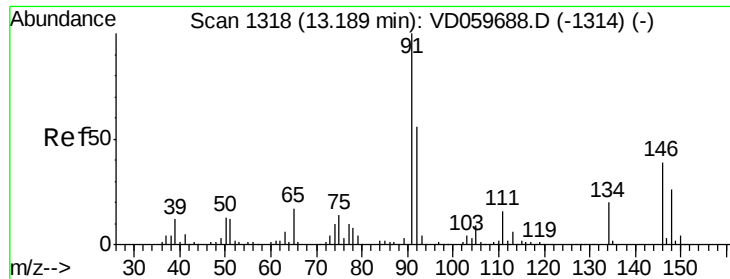
Tot Ion: 91 Resp: 142482
Ion Ratio Lower Upper
91 100
92 56.4 28.2 84.6
134 20.5 9.8 29.5



#90
Hexachloroethane
Concen: 20.51 ug/l
RT: 13.39 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VD059700.D
Acq: 7 Aug 2018 12:58

Tgt Ion: 117 Resp: 36367
Ion Ratio Lower Upper
117 100
201 80.1 42.4 127.1

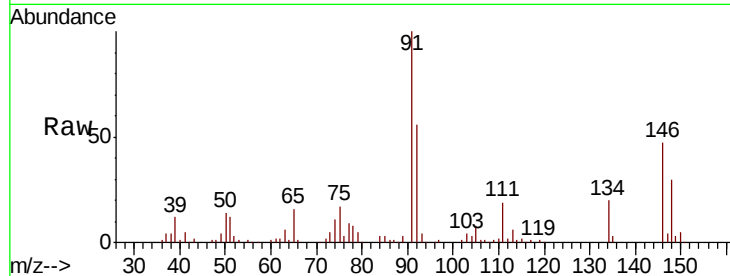




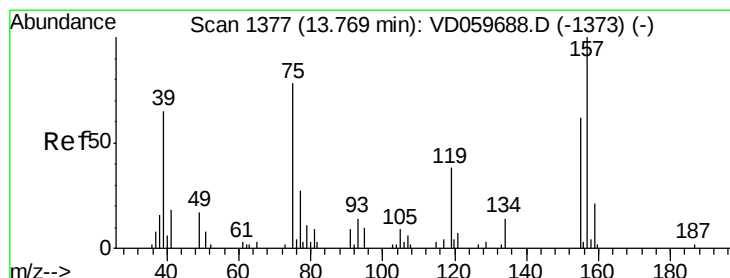
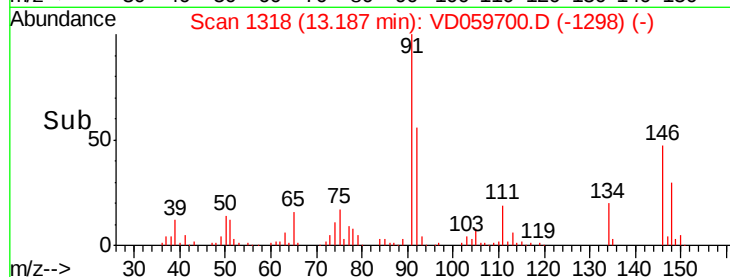
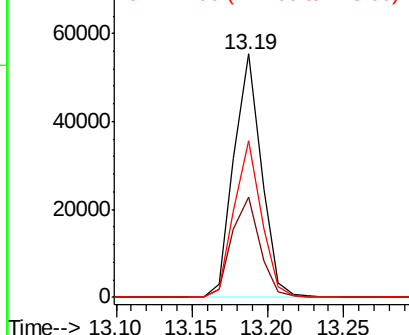
#91
 1,2-Dichlorobenzene
 Concen: 21.33 ug/l
 RT: 13.19 min Scan# 1318
 Delta R.T. -0.00 min
 Lab File: VD059700.D
 Acq: 7 Aug 2018 12:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0807SBSD01

Tot Ion:146 Resp: 70002
 Ion Ratio Lower Upper
 146 100
 111 41.1 20.8 62.2
 148 64.1 33.4 100.2

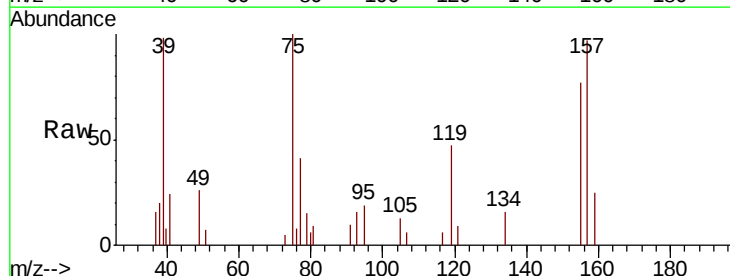


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

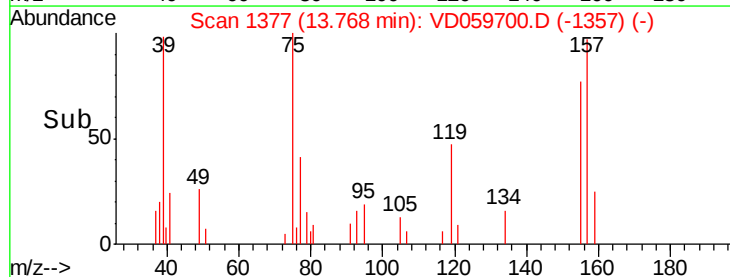
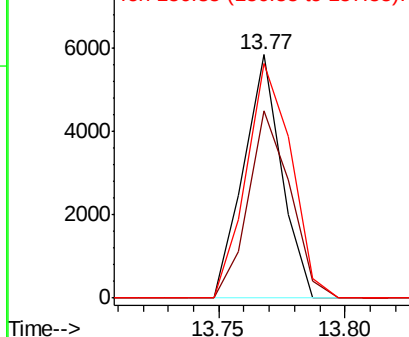


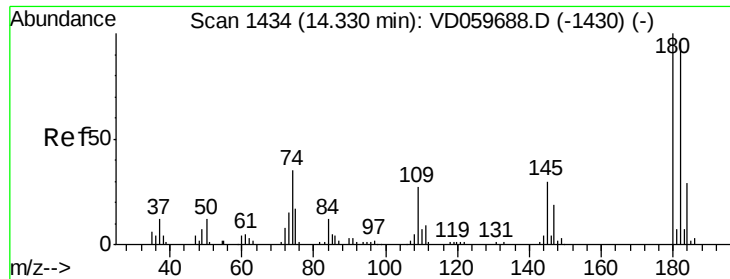
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.77 ug/l
 RT: 13.77 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VD059700.D
 Acq: 7 Aug 2018 12:58

Tgt Ion: 75 Resp: 6095
 Ion Ratio Lower Upper
 75 100
 155 76.9 40.0 119.9
 157 96.5 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

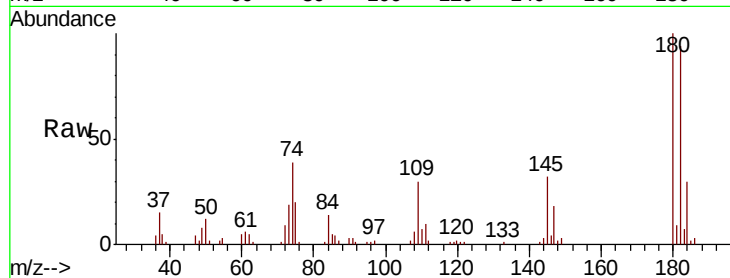




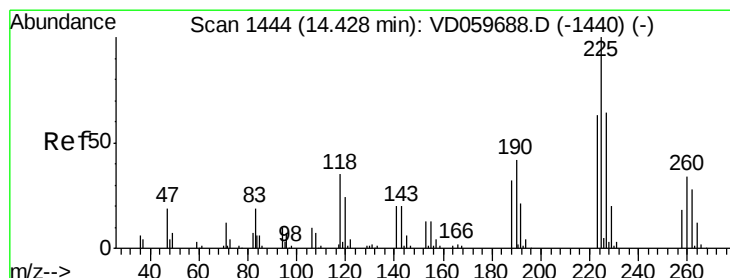
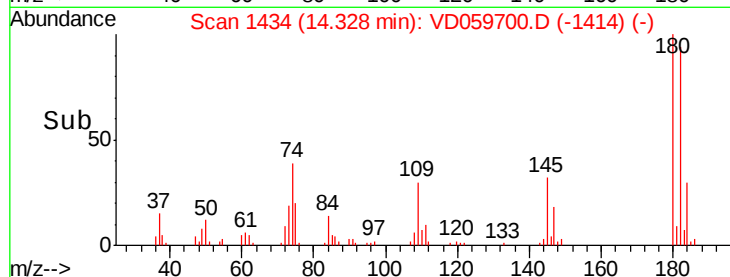
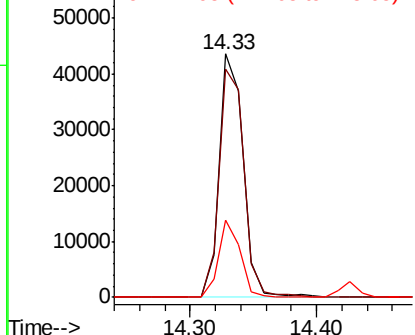
#93
 1,2,4-Trichlorobenzene
 Concen: 19.35 ug/l
 RT: 14.33 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VD059700.D
 Acq: 7 Aug 2018 12:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0807SBSD01

Tot Ion:180 Resp: 57147
 Ion Ratio Lower Upper
 180 100
 182 93.8 48.0 144.0
 145 31.6 14.8 44.4

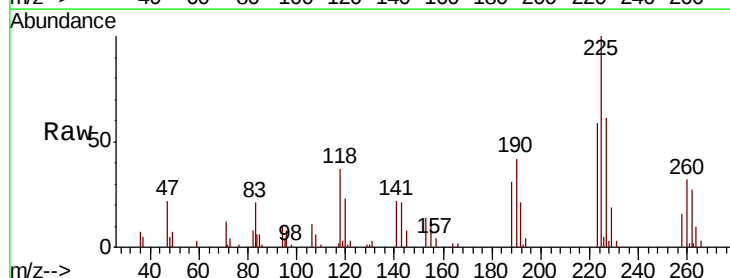


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

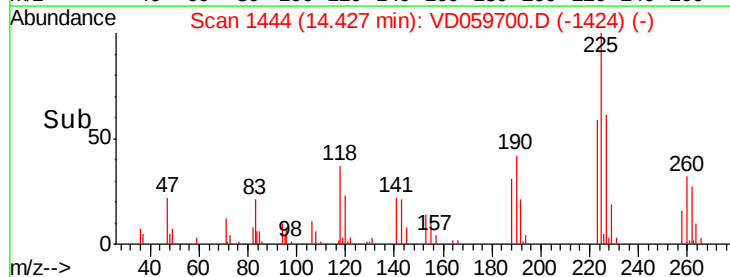
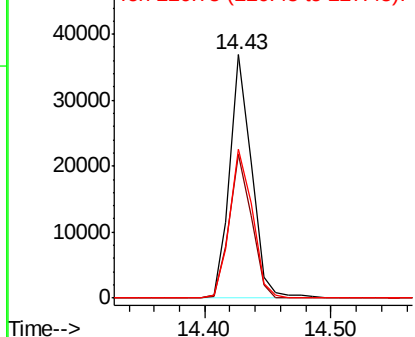


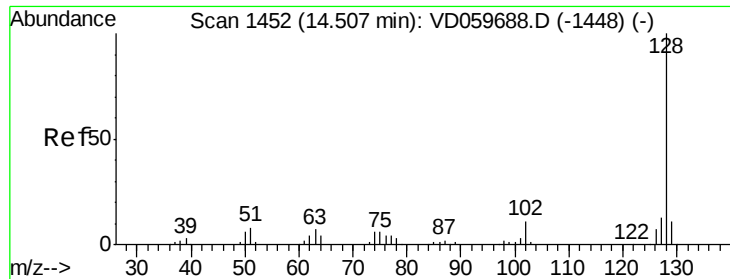
#94
 Hexachlorobutadiene
 Concen: 19.25 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: VD059700.D
 Acq: 7 Aug 2018 12:58

Tgt Ion:225 Resp: 44076
 Ion Ratio Lower Upper
 225 100
 223 59.1 31.4 94.3
 227 61.3 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

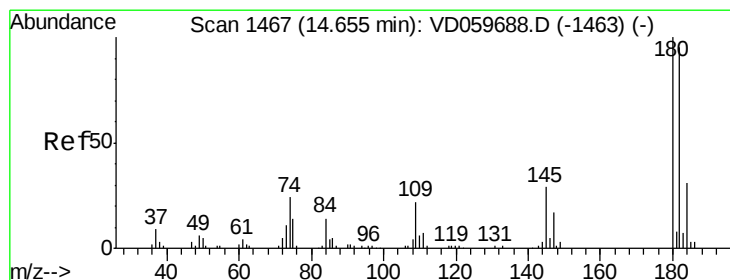
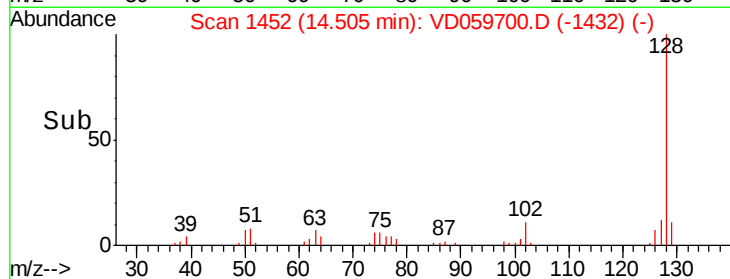
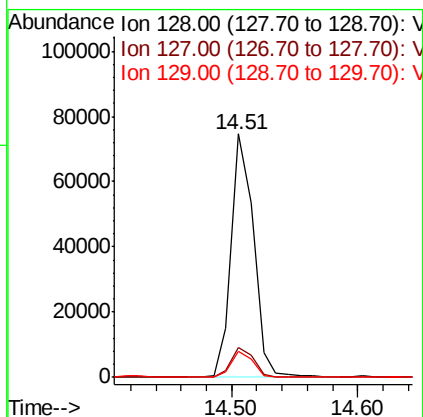
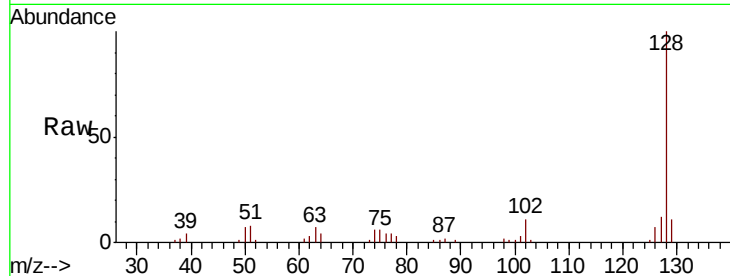




#95
Naphthalene
Concen: 20.82 ug/l
RT: 14.51 min Scan# 1452
Delta R.T. -0.00 min
Lab File: VD059700.D
Acq: 7 Aug 2018 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0807SBSD01

Tot Ion:128 Resp: 91041
Ion Ratio Lower Upper
128 100
127 12.3 10.6 16.0
129 10.7 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 20.02 ug/l
RT: 14.65 min Scan# 1467
Delta R.T. -0.00 min
Lab File: VD059700.D
Acq: 7 Aug 2018 12:58

Tgt Ion:180 Resp: 51712
Ion Ratio Lower Upper
180 100
182 96.7 47.5 142.5
145 30.7 14.5 43.5

