

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081518\
 Data File : VD059789.D
 Acq On : 15 Aug 2018 4:09
 Operator : VA/AP
 Sample : VD0815SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0815SBS01

Quant Time: Aug 15 17:49:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081518S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 16:08:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	269219	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	362687	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	298681	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	162257	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	185155	53.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.06%	
35) Dibromofluoromethane	5.55	113	169084	53.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.00%	
50) Toluene-d8	8.71	98	402490	53.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.54%	
62) 4-Bromofluorobenzene	11.92	95	173101	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.34	85	62035	18.91	ug/l	99
3) Chloromethane	1.48	50	36601	20.32	ug/l	96
4) Vinyl Chloride	1.56	62	37197	19.50	ug/l	94
5) Bromomethane	1.78	94	8097	13.33	ug/l	81
6) Chloroethane	1.87	64	11477	14.42	ug/l	93
7) Trichlorofluoromethane	2.08	101	51781	17.28	ug/l	97
8) Diethyl Ether	2.34	74	11064	19.20	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	2.56	101	33182	19.75	ug/l	97
10) Methyl Iodide	2.69	142	29969	16.86	ug/l	97
11) Tert butyl alcohol	3.26	59	9011	73.63	ug/l #	74
12) 1,1-Dichloroethene	2.55	96	24472	20.15	ug/l	90
13) Acrolein	2.47	56	8036	85.13	ug/l	94
14) Allyl chloride	2.92	41	59750	19.58	ug/l	91
15) Acrylonitrile	3.36	53	47732	111.33	ug/l	96
16) Acetone	2.61	43	47724	87.42	ug/l	97
17) Carbon Disulfide	2.76	76	76787	18.86	ug/l	99
18) Methyl Acetate	2.93	43	21680	18.58	ug/l	98
19) Methyl tert-butyl Ether	3.41	73	119908	20.22	ug/l	95
20) Methylene Chloride	3.07	84	33655	20.96	ug/l	95
21) trans-1,2-Dichloroethene	3.39	96	49758	20.79	ug/l	96
22) Diisopropyl ether	4.06	45	164871	20.02	ug/l	91
23) Vinyl Acetate	4.02	43	487647	104.57	ug/l	100
24) 1,1-Dichloroethane	3.98	63	97778	20.02	ug/l	99
25) 2-Butanone	4.83	43	73156	87.56	ug/l	95
26) 2,2-Dichloropropane	4.79	77	84868	19.00	ug/l	97
27) cis-1,2-Dichloroethene	4.80	96	53684	20.47	ug/l	93
28) Bromochloromethane	5.15	49	39639	20.68	ug/l	97
29) Tetrahydrofuran	5.19	42	35224	98.81	ug/l	98
30) Chloroform	5.32	83	114182	19.47	ug/l	99
31) Cyclohexane	5.59	56	66280	18.87	ug/l	98
32) 1,1,1-Trichloroethane	5.51	97	104252	20.21	ug/l	99
36) 1,1-Dichloropropene	5.75	75	77532	20.84	ug/l	94
37) Ethyl Acetate	4.92	43	38095	20.47	ug/l #	97
38) Carbon Tetrachloride	5.73	117	89949	20.04	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	62685	19.47	ug/l	99
40) Benzene	6.01	78	160183	20.29	ug/l	99
41) Methacrylonitrile	5.13	41	18052	20.27	ug/l	93
42) 1,2-Dichloroethane	6.13	62	83111	19.46	ug/l	100
43) Isopropyl Acetate	7.62	43	46010	19.58	ug/l	92
44) Trichloroethene	6.98	130	52663	19.49	ug/l	95
45) 1,2-Dichloropropane	7.34	63	41012	19.99	ug/l	97
46) Dibromomethane	7.46	93	32021	19.08	ug/l	96
47) Bromodichloromethane	7.74	83	80764	19.65	ug/l	94
48) Methyl methacrylate	7.51	41	30520	19.90	ug/l	99
49) 1,4-Dioxane	7.49	88	5397	399.61	ug/l #	90
51) 4-Methyl-2-Pentanone	8.60	43	157673	88.75	ug/l	97
52) Toluene	8.80	92	103478	20.46	ug/l	99
53) t-1,3-Dichloropropene	9.19	75	67546	19.82	ug/l	96
54) cis-1,3-Dichloropropene	8.36	75	73511	19.96	ug/l	91
55) 1,1,2-Trichloroethane	9.46	97	36443	19.52	ug/l	95
56) Ethyl methacrylate	9.31	69	40105	19.84	ug/l	97
57) 1,3-Dichloropropane	9.66	76	55142	18.86	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.19	63	112927	113.02	ug/l	98
59) 2-Hexanone	9.78	43	116431	91.40	ug/l	97
60) Dibromochloromethane	9.96	129	53876	19.88	ug/l	98
61) 1,2-Dibromoethane	10.10	107	41450	20.05	ug/l	94
64) Tetrachloroethene	9.51	164	54557	21.21	ug/l	92
65) Chlorobenzene	10.72	112	117866	19.49	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.84	131	49007	20.10	ug/l	91
67) Ethyl Benzene	10.85	91	218438	20.97	ug/l	99
68) m/p-Xylenes	11.01	106	149652	42.40	ug/l	95
69) o-Xylene	11.40	106	70559	20.82	ug/l	86
70) Styrene	11.43	104	123355	20.53	ug/l	99
71) Bromoform	11.60	173	35649	20.12	ug/l	96
73) Isopropylbenzene	11.77	105	214664	20.89	ug/l	100
74) N-amyl acetate	11.64	43	64330	20.42	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.07	83	41843	20.06	ug/l	95
76) 1,2,3-Trichloropropane	12.11	75	48338	21.00	ug/l	100
77) Bromobenzene	12.04	156	61780	21.04	ug/l	94
78) n-propylbenzene	12.15	91	261891	20.44	ug/l	100
79) 2-Chlorotoluene	12.21	91	160421	20.76	ug/l	99
80) 1,3,5-Trimethylbenzene	12.32	105	167034	20.30	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.84	75	11267	20.92	ug/l	88
82) 4-Chlorotoluene	12.32	91	182087	20.76	ug/l	91
83) tert-Butylbenzene	12.57	119	186945	20.57	ug/l	97
84) 1,2,4-Trimethylbenzene	12.62	105	173372	19.56	ug/l	97
85) sec-Butylbenzene	12.75	105	217655	20.66	ug/l	98
86) p-Isopropyltoluene	12.88	119	185309	21.02	ug/l	96
87) 1,3-Dichlorobenzene	12.84	146	103367	19.64	ug/l	97
88) 1,4-Dichlorobenzene	12.93	146	100534	19.26	ug/l	98
89) n-Butylbenzene	13.19	91	185571	20.82	ug/l	99
90) Hexachloroethane	13.40	117	44381	20.06	ug/l	92
91) 1,2-Dichlorobenzene	13.19	146	89547	20.68	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.77	75	7601	20.42	ug/l	92

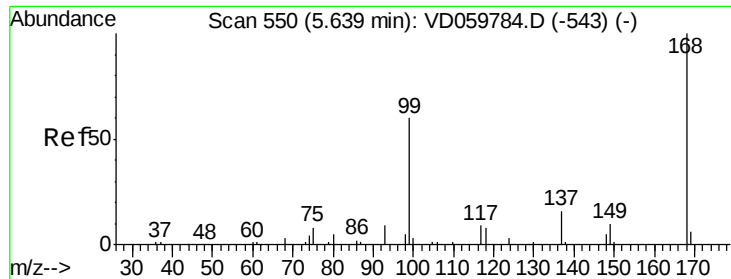
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081518\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	72342	19.98	ug/l	99
94) Hexachlorobutadiene	14.43	225	52892	19.79	ug/l	98
95) Naphthalene	14.51	128	110008	19.85	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	62980	19.71	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.00 min

Lab File: VD059789.D

Acq: 15 Aug 2018 4:09

Instrument :

MSVOA_D

ClientSampleId :

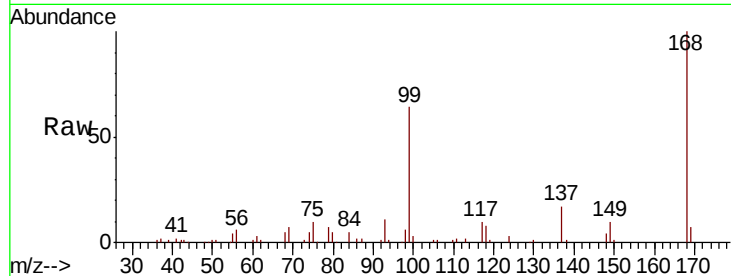
VD0815SBS01

Tot Ion:168 Resp: 269219

Ion Ratio Lower Upper

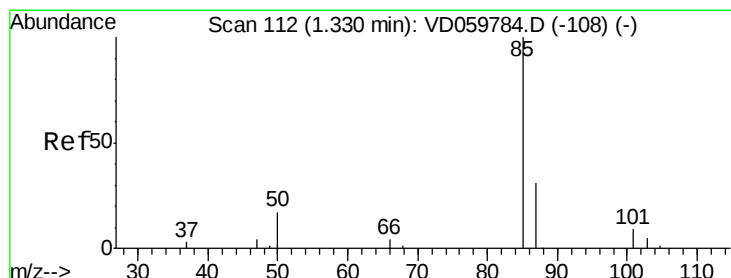
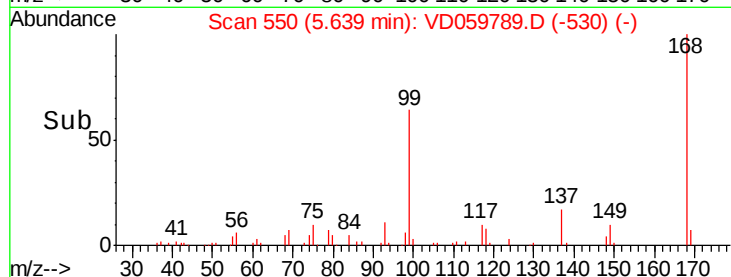
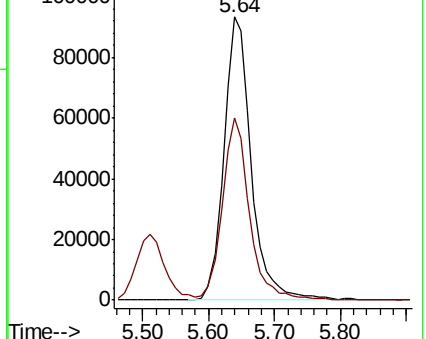
168 100

99 64.5 50.3 75.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 18.91 ug/l

RT: 1.34 min Scan# 113

Delta R.T. 0.01 min

Lab File: VD059789.D

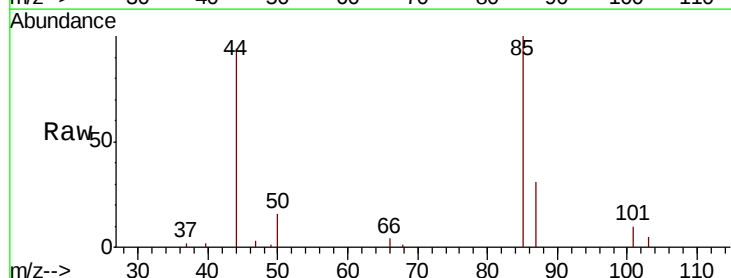
Acq: 15 Aug 2018 4:09

Tgt Ion: 85 Resp: 62035

Ion Ratio Lower Upper

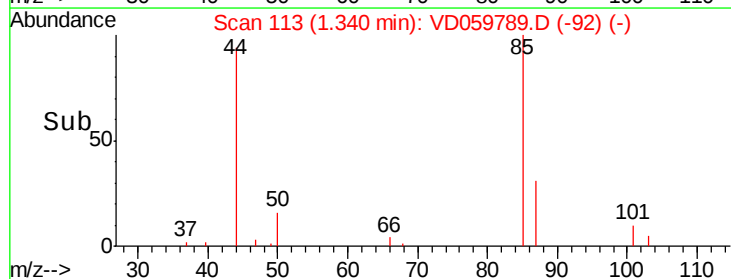
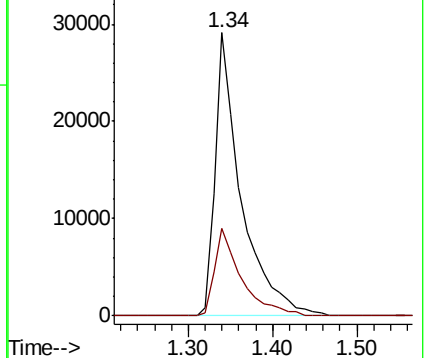
85 100

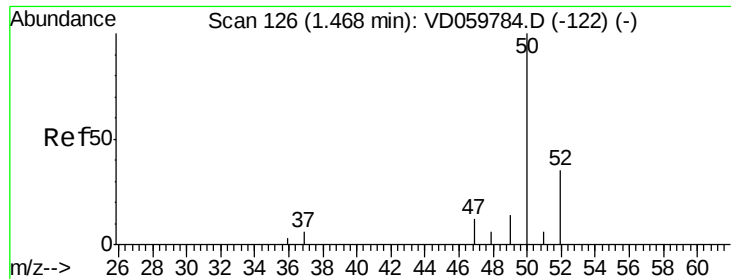
87 30.8 15.7 47.1



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.32 ug/l

RT: 1.48 min Scan# 127

Delta R.T. 0.01 min

Lab File: VD059789.D

Acq: 15 Aug 2018 4:09

Instrument :

MSVOA_D

ClientSampleId :

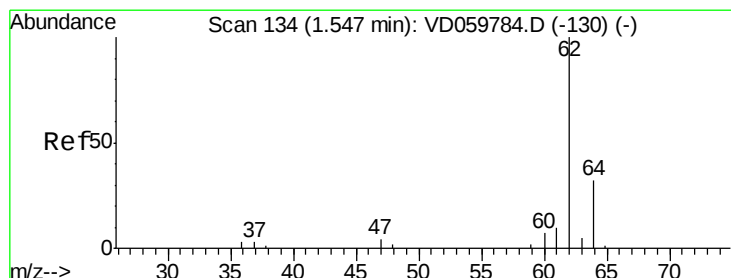
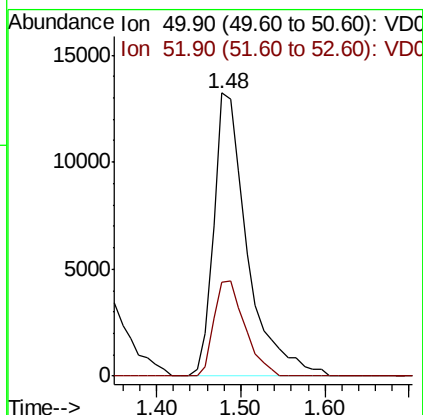
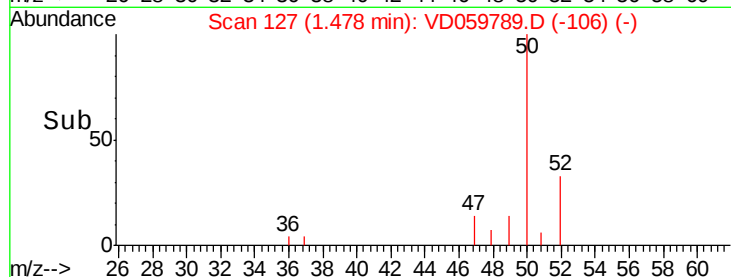
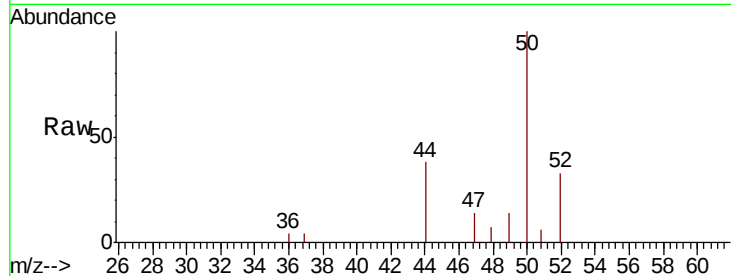
VD0815SBS01

Tot Ion: 50 Resp: 36601

Ion Ratio Lower Upper

50 100

52 33.4 28.4 42.6



#4

Vinyl Chloride

Concen: 19.50 ug/l

RT: 1.56 min Scan# 135

Delta R.T. 0.01 min

Lab File: VD059789.D

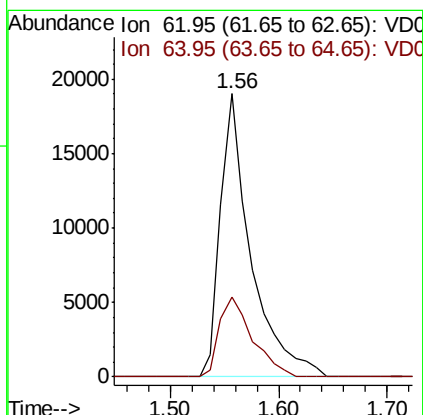
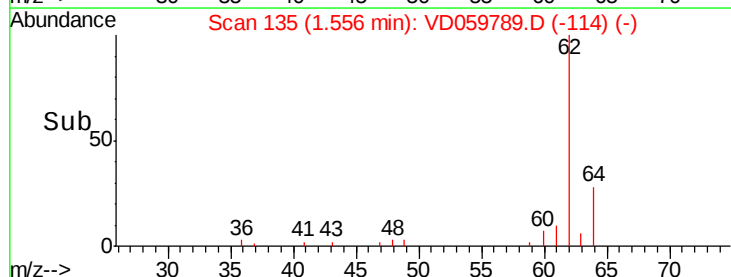
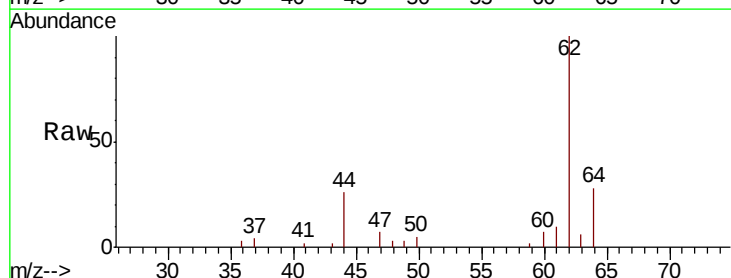
Acq: 15 Aug 2018 4:09

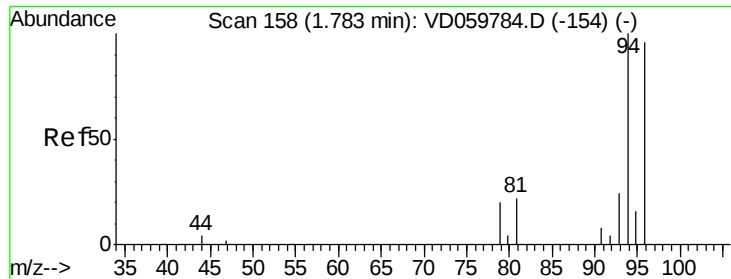
Tgt Ion: 62 Resp: 37197

Ion Ratio Lower Upper

62 100

64 28.4 25.5 38.3





#5

Bromomethane

Concen: 13.33 ug/l

RT: 1.78 min Scan# 158

Delta R.T. -0.00 min

Lab File: VD059789.D

Acq: 15 Aug 2018 4:09

Instrument :

MSVOA_D

ClientSampleId :

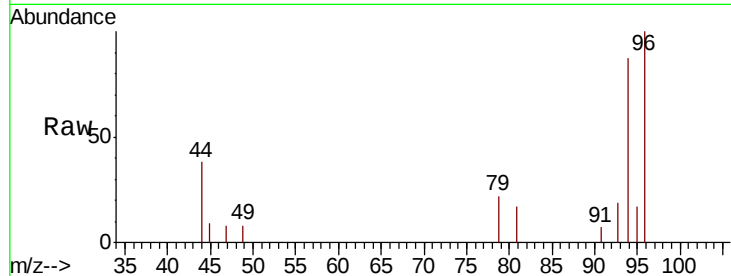
VD0815SBS01

Tot Ion: 94 Resp: 8097

Ion Ratio Lower Upper

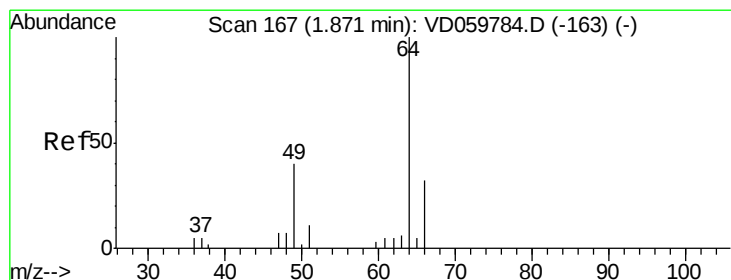
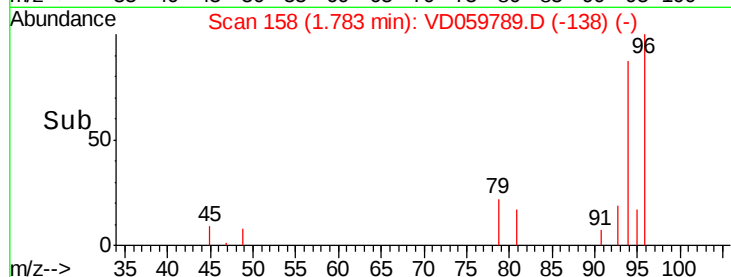
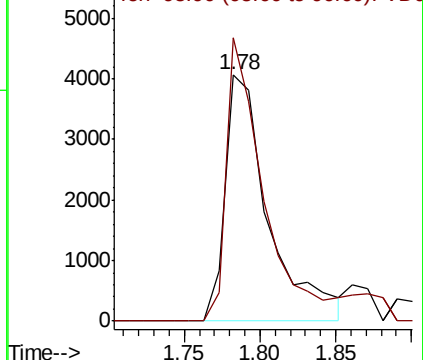
94 100

96 114.8 76.7 115.1



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 14.42 ug/l

RT: 1.87 min Scan# 167

Delta R.T. -0.00 min

Lab File: VD059789.D

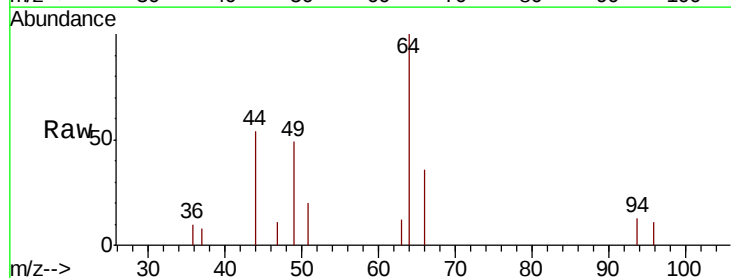
Acq: 15 Aug 2018 4:09

Tgt Ion: 64 Resp: 11477

Ion Ratio Lower Upper

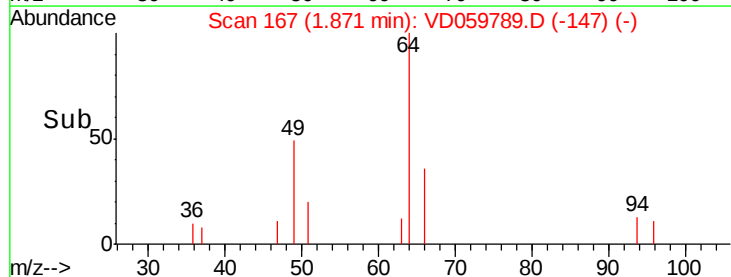
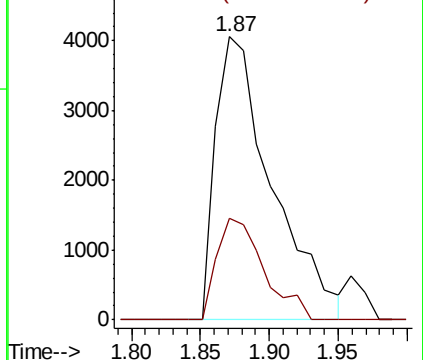
64 100

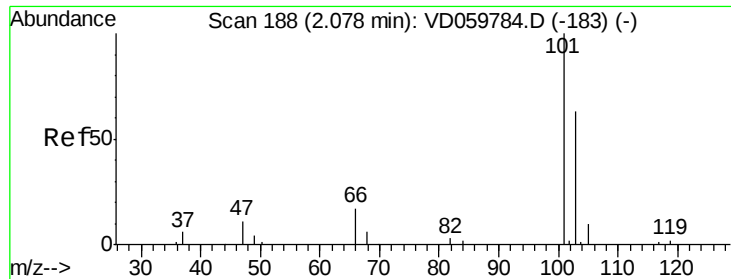
66 35.7 25.4 38.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



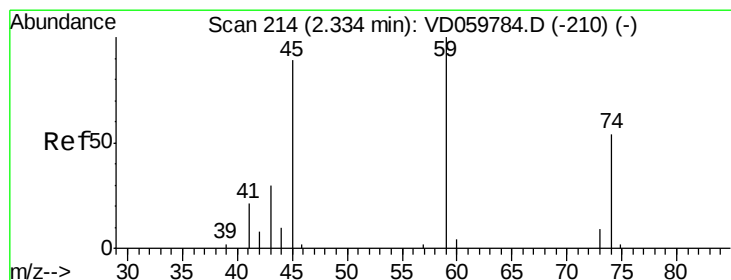
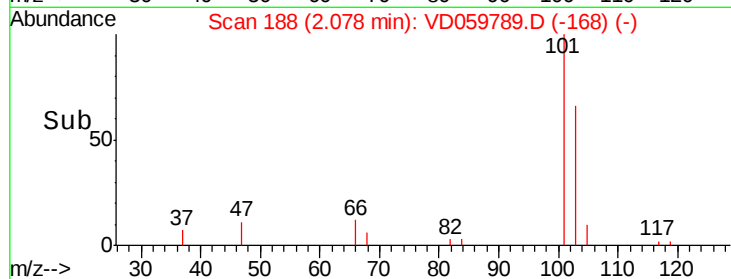
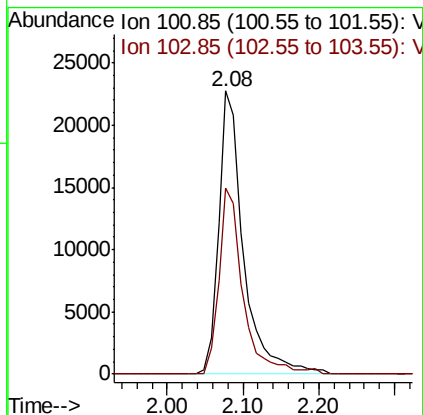
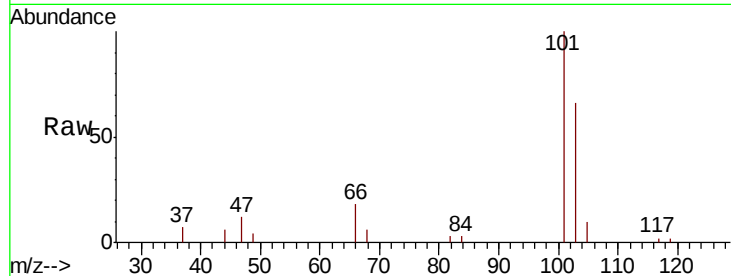


#7

Trichlorofluoromethane
 Concen: 17.28 ug/l
 RT: 2.08 min Scan# 188
 Delta R.T. -0.00 min
 Lab File: VD059789.D
 Acq: 15 Aug 2018 4:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0815SBS01

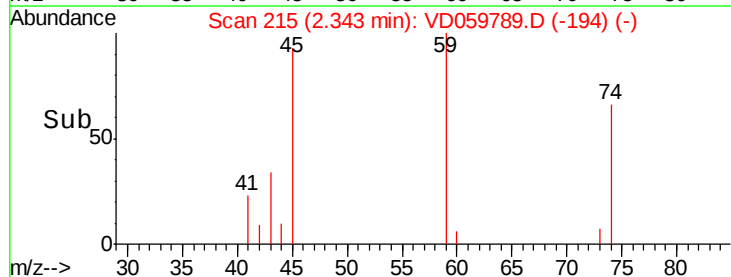
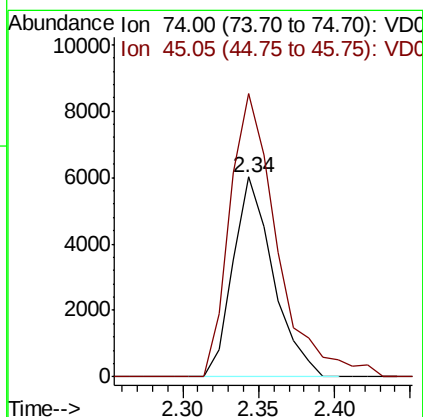
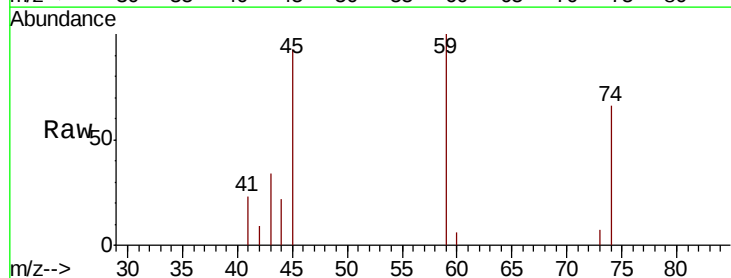
Tot Ion:101 Resp: 51781
 Ion Ratio Lower Upper
 101 100
 103 65.6 50.4 75.6

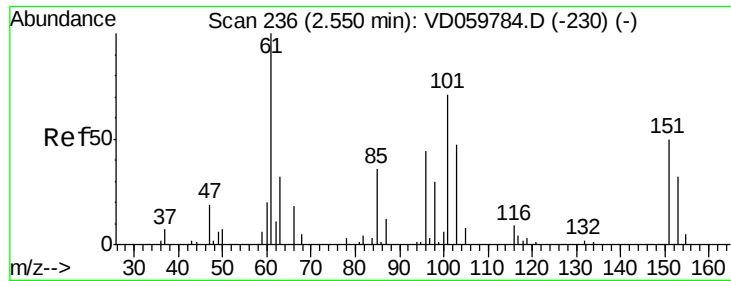


#8

Diethyl Ether
 Concen: 19.20 ug/l
 RT: 2.34 min Scan# 215
 Delta R.T. 0.01 min
 Lab File: VD059789.D
 Acq: 15 Aug 2018 4:09

Tgt Ion: 74 Resp: 11064
 Ion Ratio Lower Upper
 74 100
 45 141.8 81.6 244.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.75 ug/l

RT: 2.56 min Scan# 237

Delta R.T. 0.01 min

Lab File: VD059789.D

Acq: 15 Aug 2018 4:09

Instrument :

MSVOA_D

ClientSampleId :

VD0815SBS01

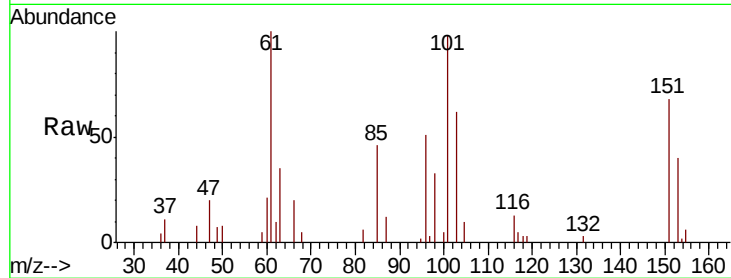
Tot Ion:101 Resp: 33182

Ion Ratio Lower Upper

101 100

85 47.4 40.6 61.0

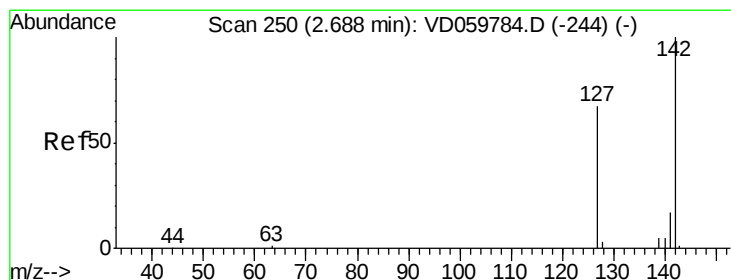
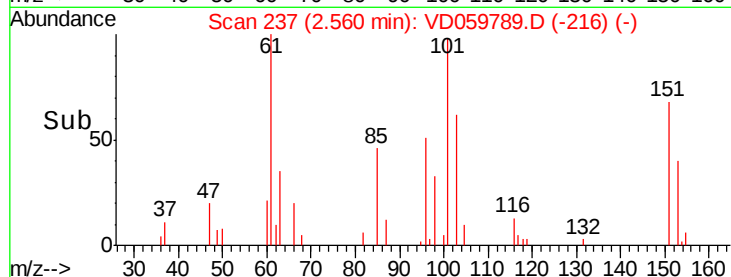
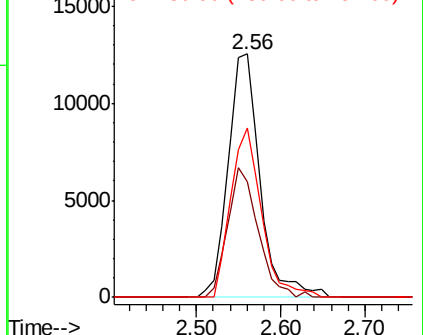
151 69.5 57.1 85.7



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: 16.86 ug/l

RT: 2.69 min Scan# 250

Delta R.T. 0.00 min

Lab File: VD059789.D

Acq: 15 Aug 2018 4:09

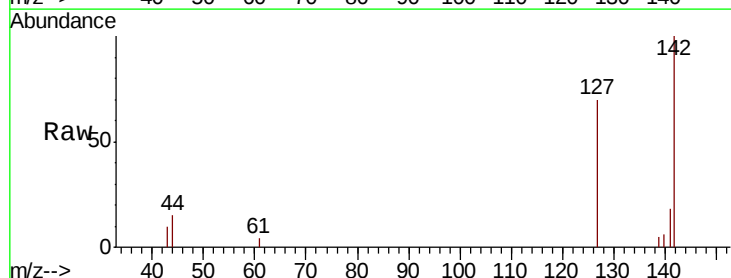
Tgt Ion:142 Resp: 29969

Ion Ratio Lower Upper

142 100

127 69.8 54.0 81.0

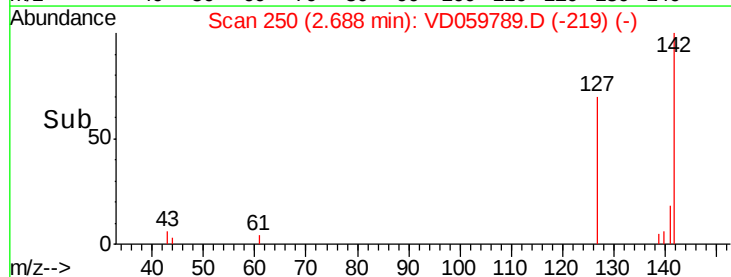
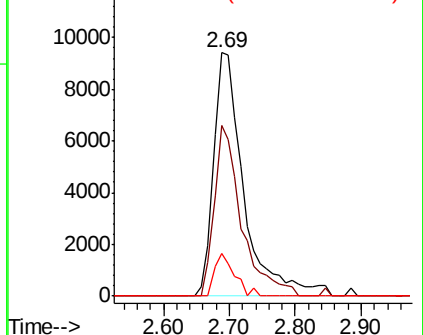
141 17.5 13.3 19.9

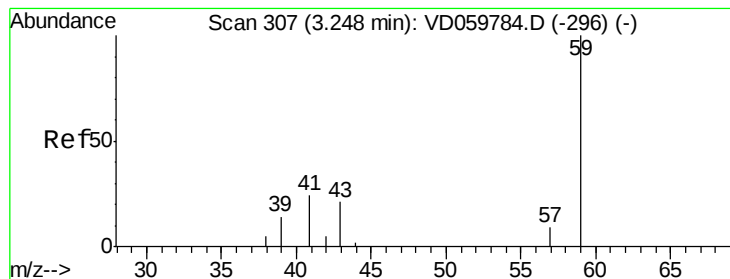


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 73.63 ug/l

RT: 3.26 min Scan# 308

Delta R.T. 0.01 min

Lab File: VD059789.D

Acq: 15 Aug 2018 4:09

Instrument :

MSVOA_D

ClientSampleId :

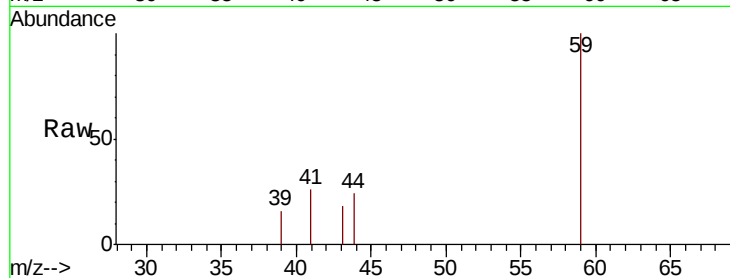
VD0815SBS01

Tot Ion: 59 Resp: 9011

Ion Ratio Lower Upper

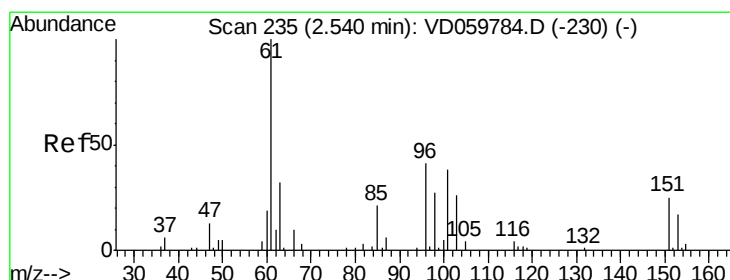
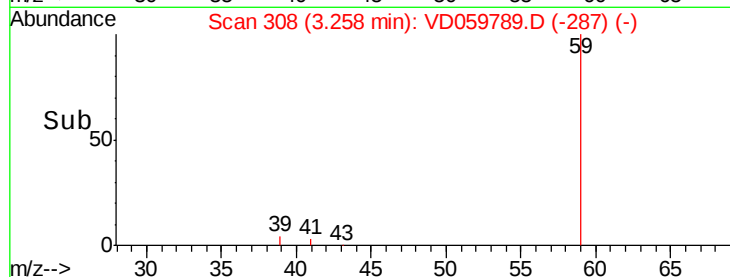
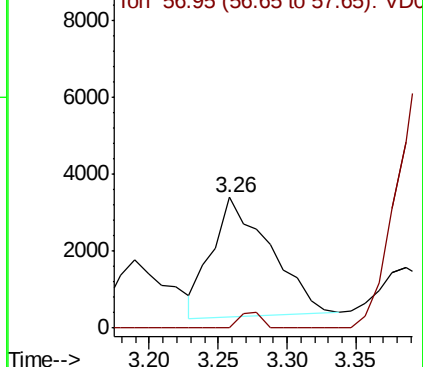
59 100

57 0.0 7.5 11.3#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#12

1,1-Dichloroethene

Concen: 20.15 ug/l

RT: 2.55 min Scan# 236

Delta R.T. 0.01 min

Lab File: VD059789.D

Acq: 15 Aug 2018 4:09

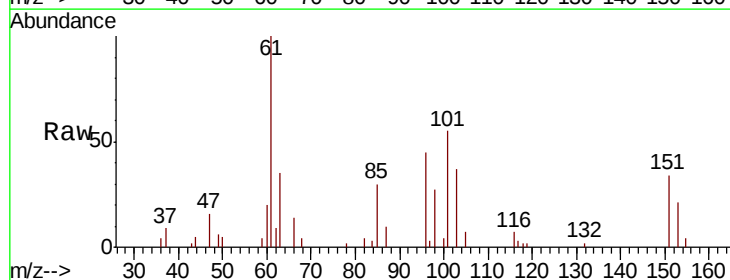
Tgt Ion: 96 Resp: 24472

Ion Ratio Lower Upper

96 100

61 223.1 194.1 291.1

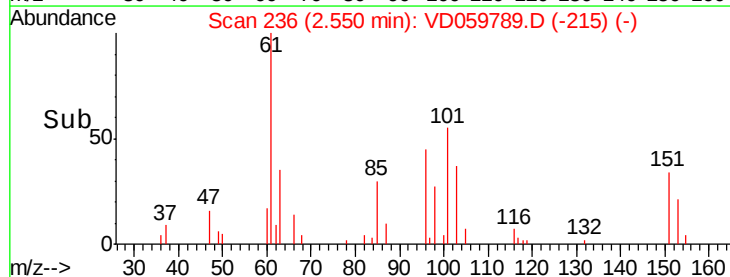
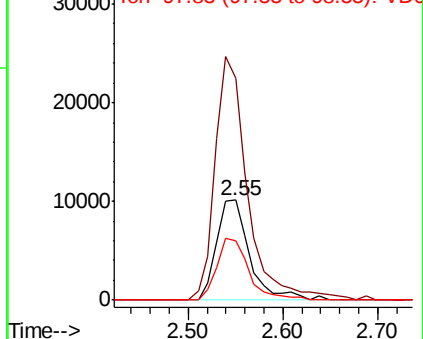
98 59.7 52.3 78.5

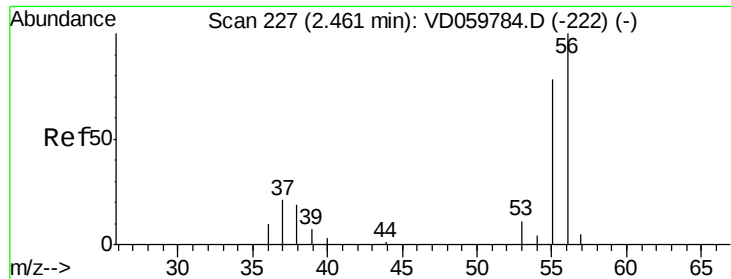


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 85.13 ug/l

RT: 2.47 min Scan# 228

Delta R.T. 0.01 min

Lab File: VD059789.D

Acq: 15 Aug 2018 4:09

Instrument :

MSVOA_D

ClientSampleId :

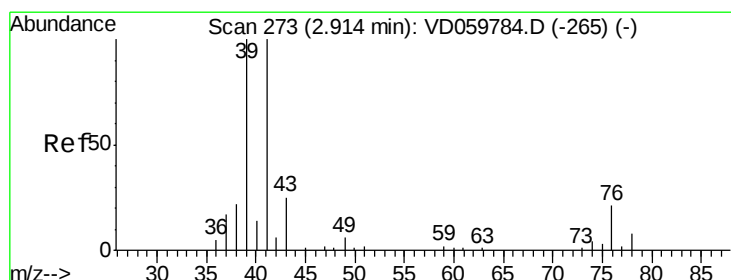
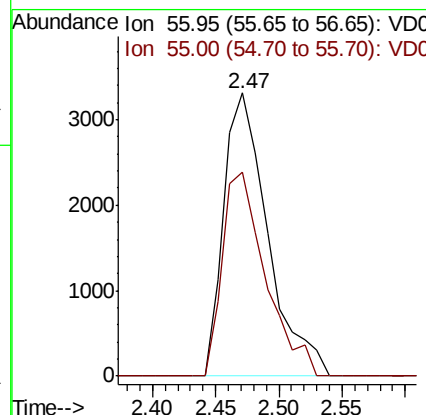
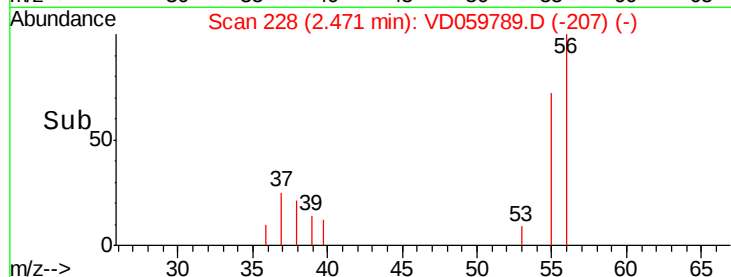
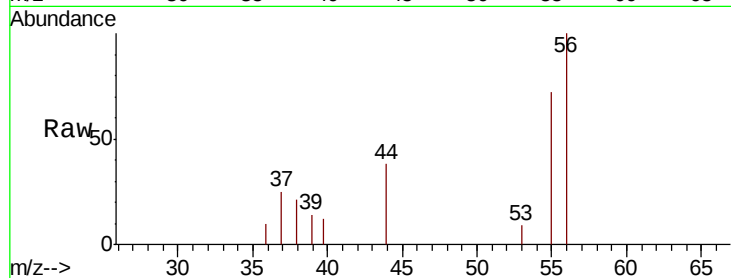
VD0815SBS01

Tot Ion: 56 Resp: 8036

Ion Ratio Lower Upper

56 100

55 72.3 62.2 93.2



#14

Allyl chloride

Concen: 19.58 ug/l

RT: 2.92 min Scan# 274

Delta R.T. 0.01 min

Lab File: VD059789.D

Acq: 15 Aug 2018 4:09

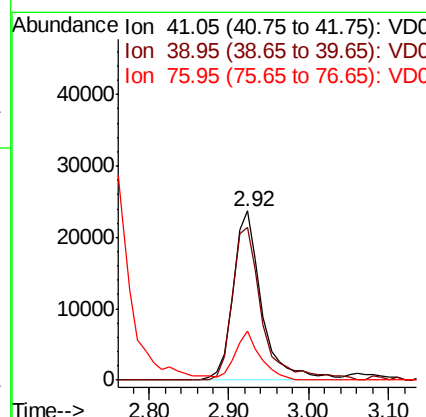
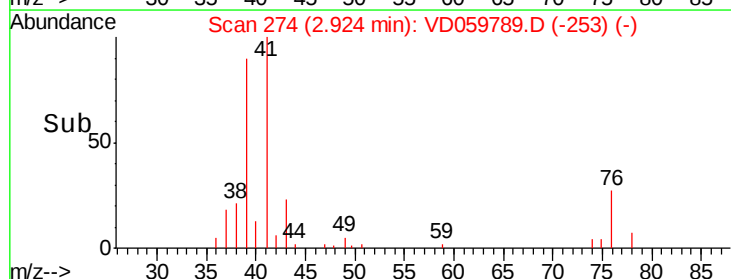
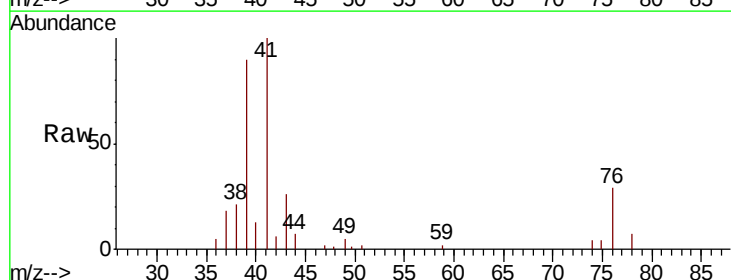
Tgt Ion: 41 Resp: 59750

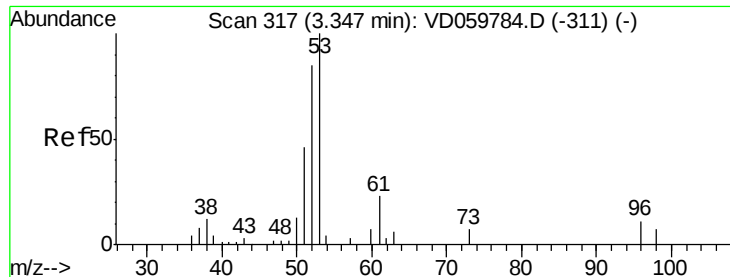
Ion Ratio Lower Upper

41 100

39 90.4 79.8 119.6

76 28.7 20.4 30.6





#15

Acrylonitrile

Concen: 111.33 ug/l

RT: 3.36 min Scan# 318

Delta R.T. 0.01 min

Lab File: VD059789.D

Acq: 15 Aug 2018 4:09

Instrument :

MSVOA_D

ClientSampleId :

VD0815SBS01

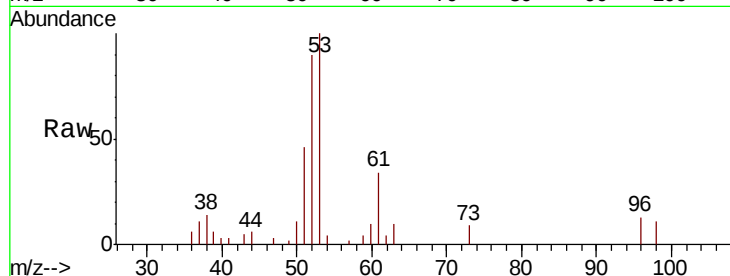
Tot Ion: 53 Resp: 47732

Ion Ratio Lower Upper

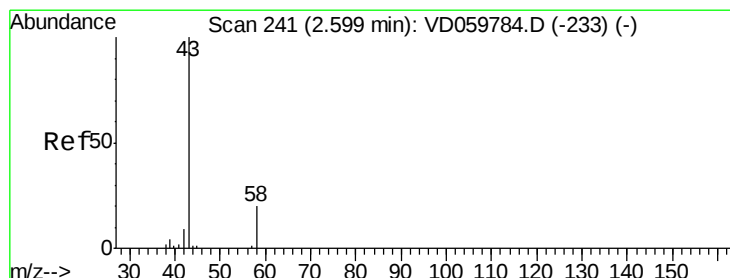
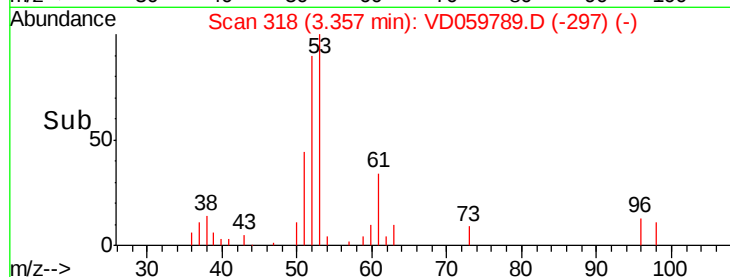
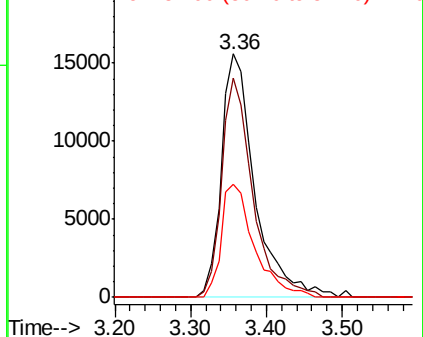
53 100

52 90.3 68.2 102.2

51 46.3 36.6 54.8



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: 87.42 ug/l

RT: 2.61 min Scan# 242

Delta R.T. 0.01 min

Lab File: VD059789.D

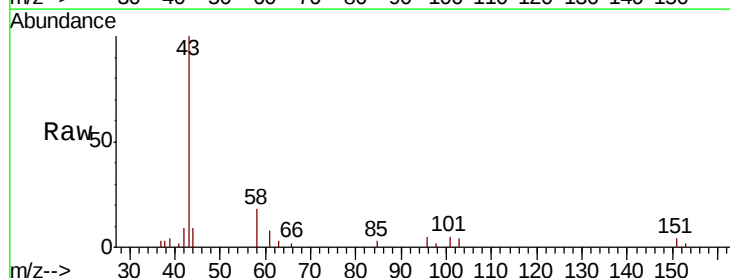
Acq: 15 Aug 2018 4:09

Tgt Ion: 43 Resp: 47724

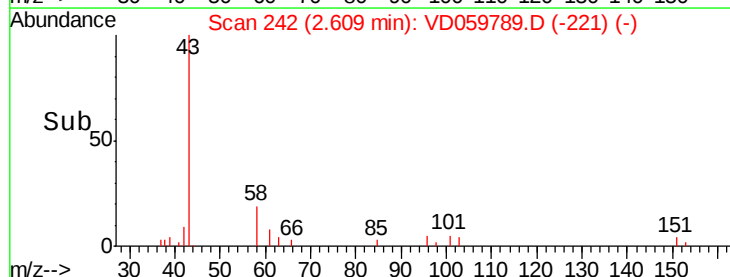
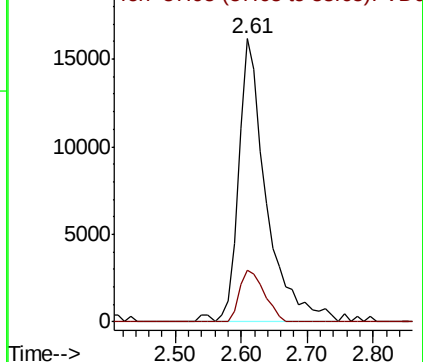
Ion Ratio Lower Upper

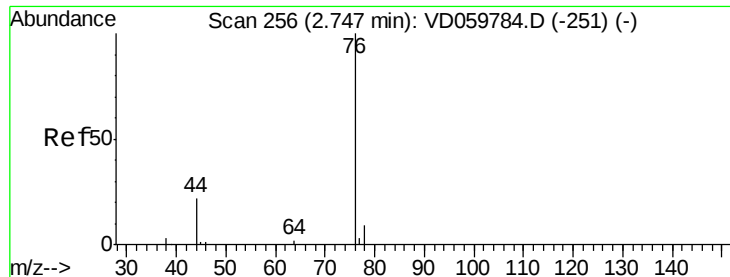
43 100

58 18.1 15.7 23.5



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

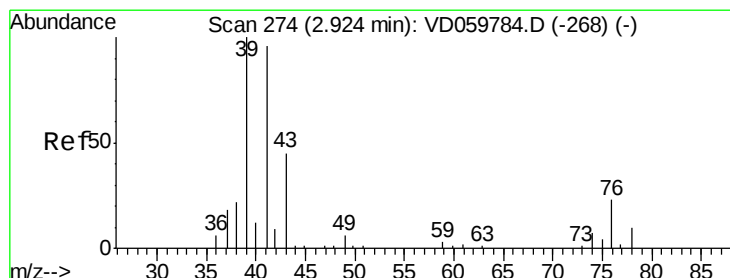
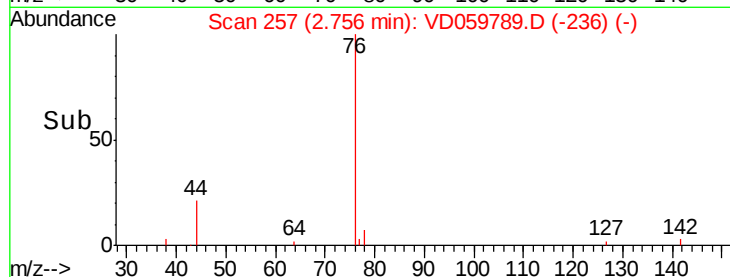
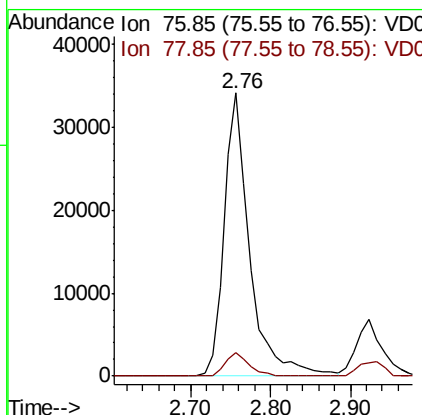
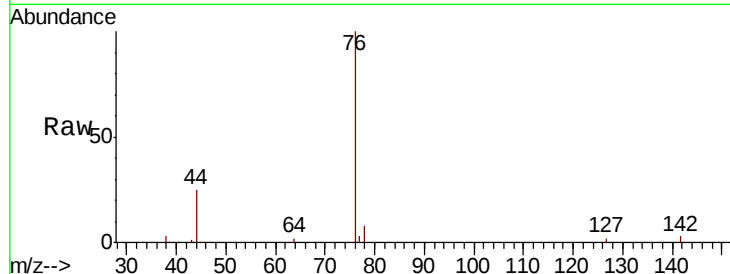




#17
Carbon Disulfide
Concen: 18.86 ug/l
RT: 2.76 min Scan# 257
Delta R.T. 0.01 min
Lab File: VD059789.D
Acq: 15 Aug 2018 4:09

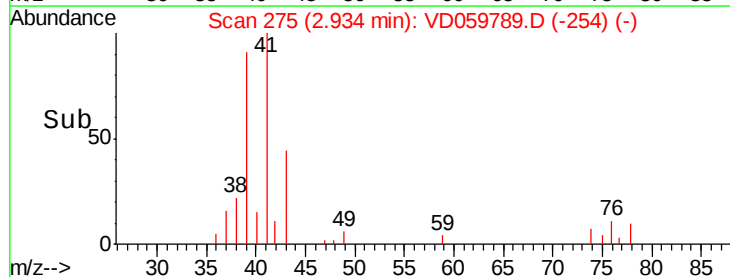
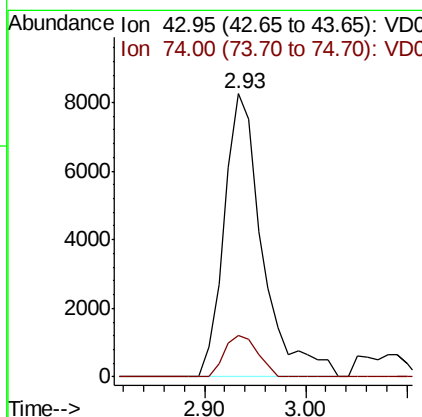
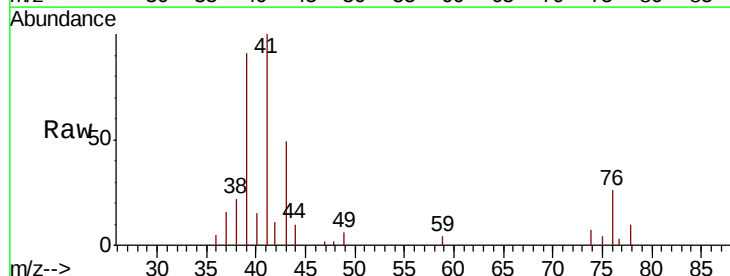
Instrument :
MSVOA_D
ClientSampleId :
VD0815SBS01

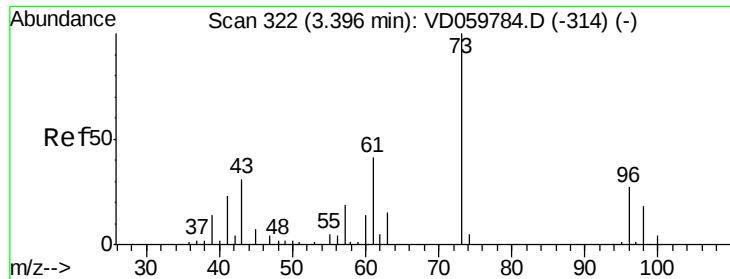
Tot Ion: 76 Resp: 76787
Ion Ratio Lower Upper
76 100
78 8.1 6.9 10.3



#18
Methyl Acetate
Concen: 18.58 ug/l
RT: 2.93 min Scan# 275
Delta R.T. 0.01 min
Lab File: VD059789.D
Acq: 15 Aug 2018 4:09

Tgt Ion: 43 Resp: 21680
Ion Ratio Lower Upper
43 100
74 14.9 12.4 18.6

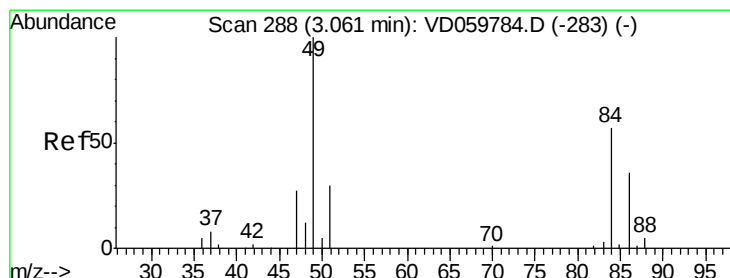
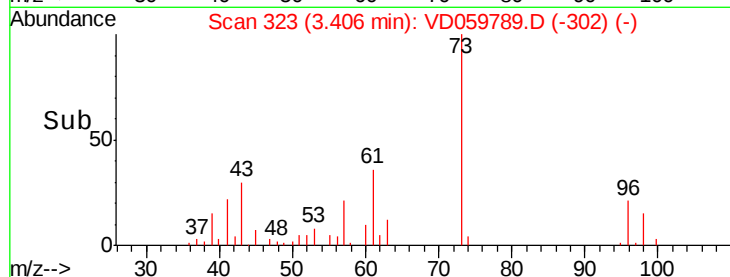
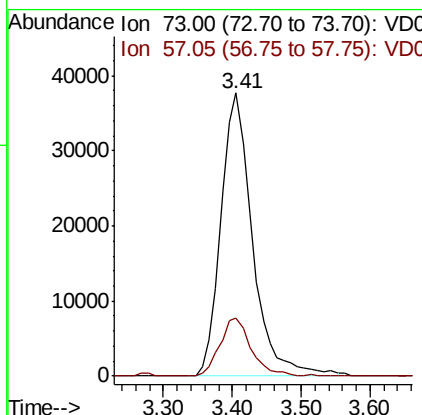
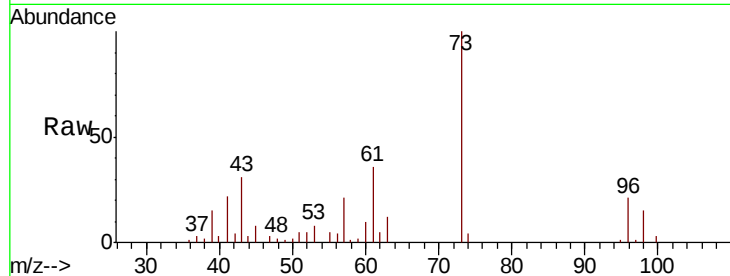




#19
Methvl tert-butvl Ether
Concen: 20.22 ug/l
RT: 3.41 min Scan# 323
Delta R.T. 0.01 min
Lab File: VD059789.D
Acq: 15 Aug 2018 4:09

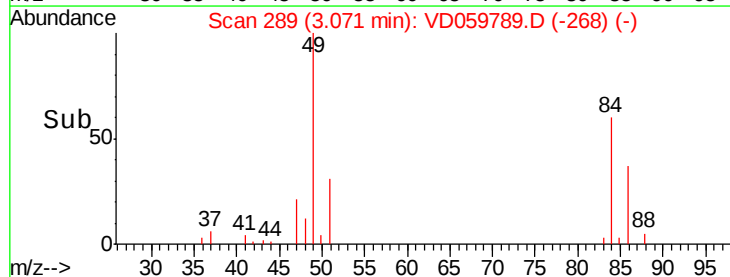
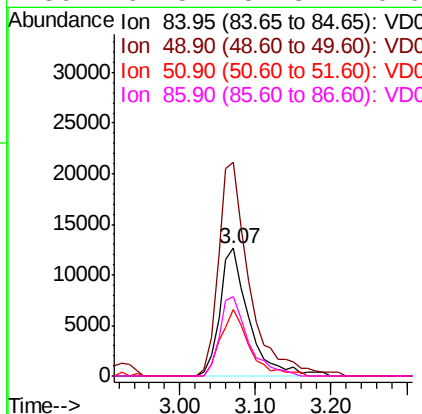
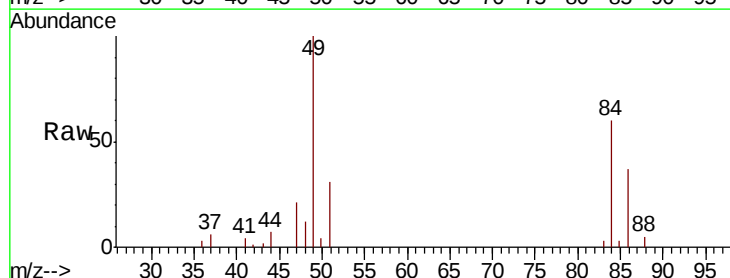
Instrument :
MSVOA_D
ClientSampleId :
VD0815SBS01

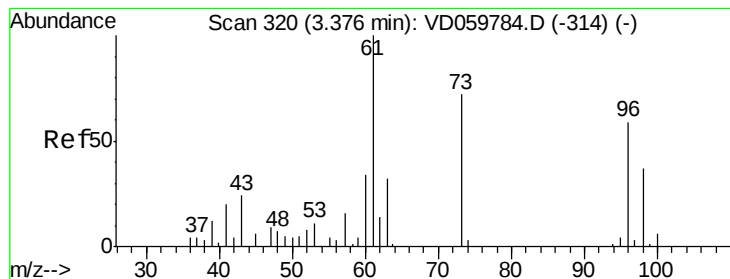
Tot Ion: 73 Resp: 119908
Ion Ratio Lower Upper
73 100
57 20.7 14.8 22.2



#20
Methylene Chloride
Concen: 20.96 ug/l
RT: 3.07 min Scan# 289
Delta R.T. 0.01 min
Lab File: VD059789.D
Acq: 15 Aug 2018 4:09

Tgt Ion: 84 Resp: 33655
Ion Ratio Lower Upper
84 100
49 167.6 140.9 211.3
51 52.5 42.8 64.2
86 61.8 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 20.79 ug/l

RT: 3.39 min Scan# 321

Delta R.T. 0.01 min

Lab File: VD059789.D

Acq: 15 Aug 2018 4:09

Instrument :

MSVOA_D

ClientSampleId :

VD0815SBS01

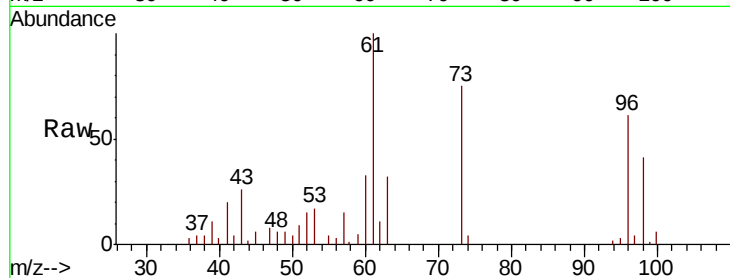
Tot Ion: 96 Resp: 49758

Ion Ratio Lower Upper

96 100

61 163.8 134.8 202.2

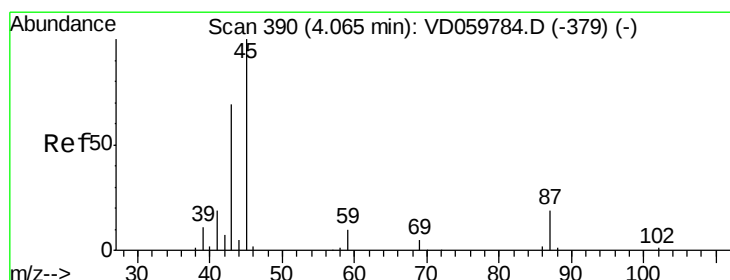
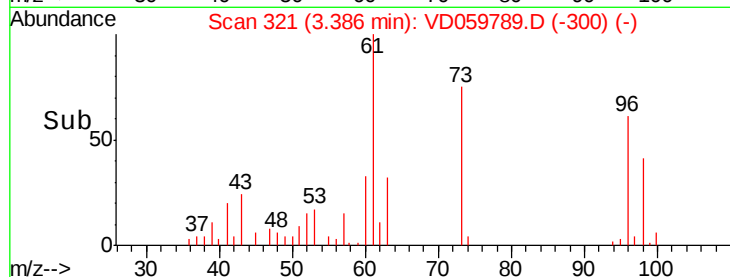
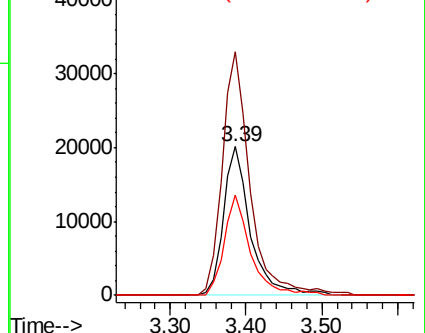
98 67.1 50.0 75.0



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



#22

Diisopropyl ether

Concen: 20.02 ug/l

RT: 4.06 min Scan# 390

Delta R.T. -0.00 min

Lab File: VD059789.D

Acq: 15 Aug 2018 4:09

Tgt Ion: 45 Resp: 164871

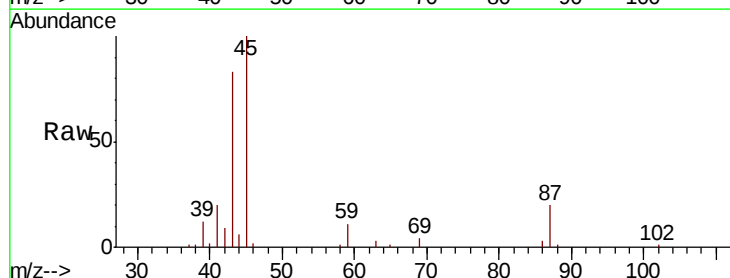
Ion Ratio Lower Upper

45 100

43 82.9 57.5 86.3

87 19.6 16.1 24.1

59 10.5 8.4 12.6

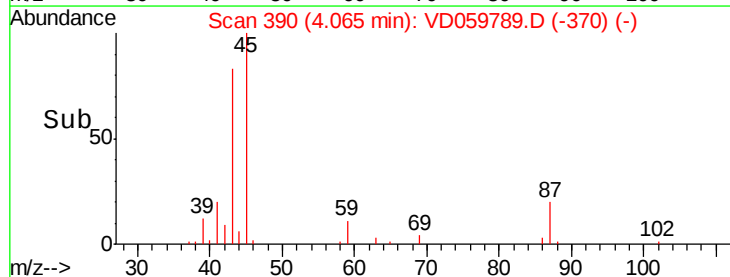
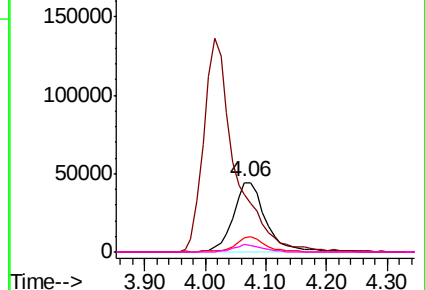


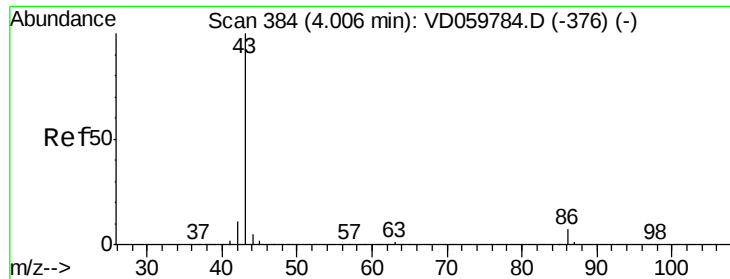
Abundance Ion 45.05 (44.75 to 45.75): VDC

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

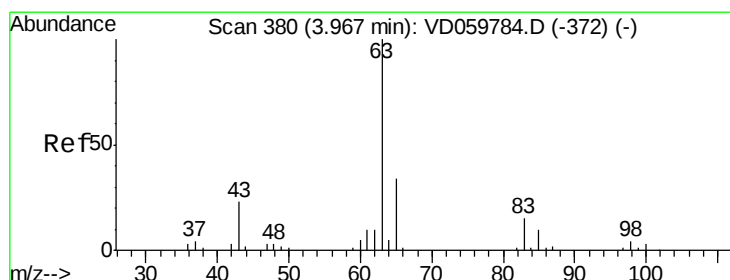
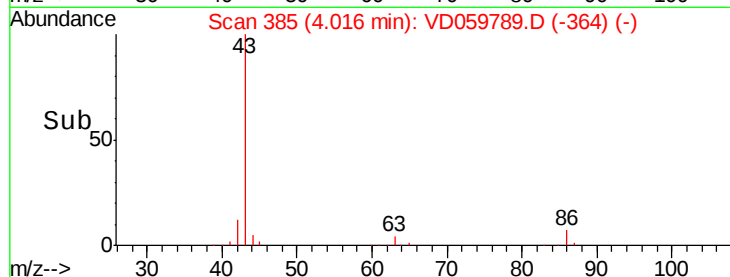
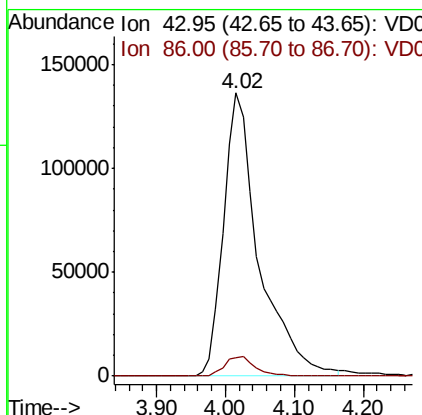
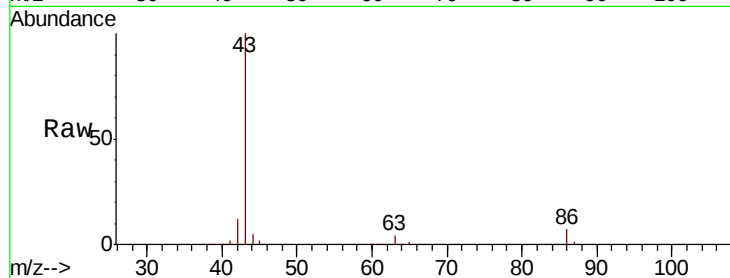




#23
 Vinyl Acetate
 Concen: 104.57 ug/l
 RT: 4.02 min Scan# 385
 Delta R.T. 0.01 min
 Lab File: VD059789.D
 Acq: 15 Aug 2018 4:09

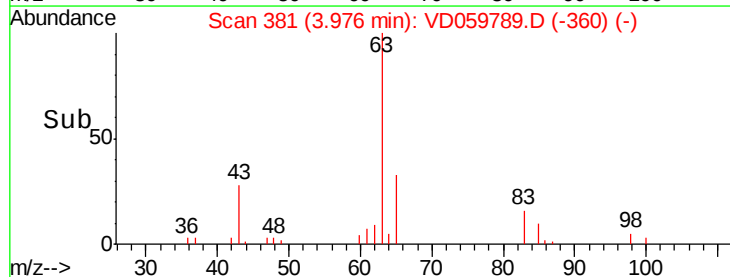
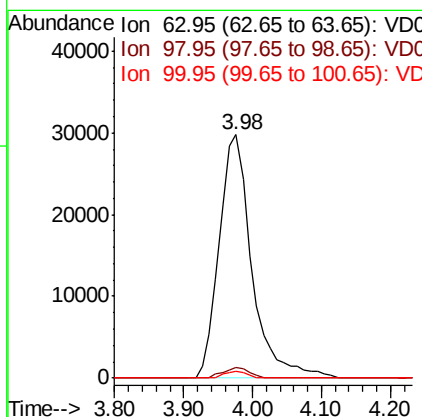
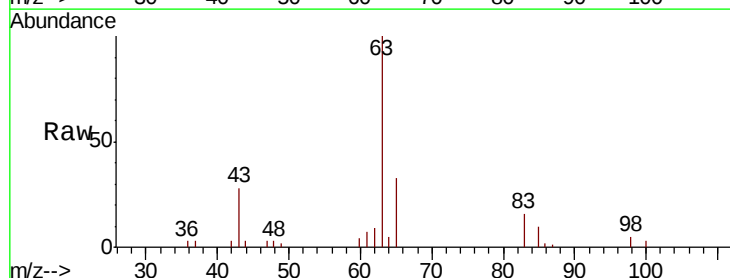
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0815SBS01

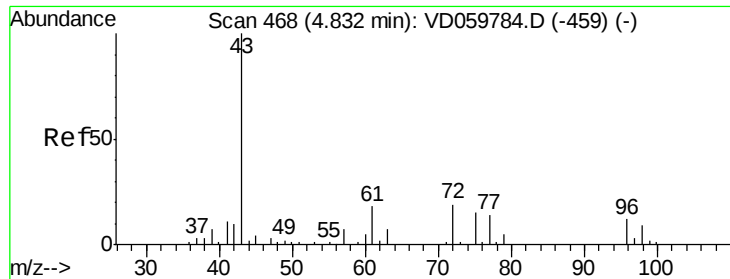
Tot Ion: 43 Resp: 487647
 Ion Ratio Lower Upper
 43 100
 86 6.5 5.4 8.0



#24
 1,1-Dichloroethane
 Concen: 20.02 ug/l
 RT: 3.98 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VD059789.D
 Acq: 15 Aug 2018 4:09

Tgt Ion: 63 Resp: 97778
 Ion Ratio Lower Upper
 63 100
 98 4.6 2.2 6.6
 100 2.7 1.6 4.7





#25

2-Butanone

Concen: 87.56 ug/l

RT: 4.83 min Scan# 468

Delta R.T. -0.00 min

Lab File: VD059789.D

Acq: 15 Aug 2018 4:09

Instrument :

MSVOA_D

ClientSampleId :

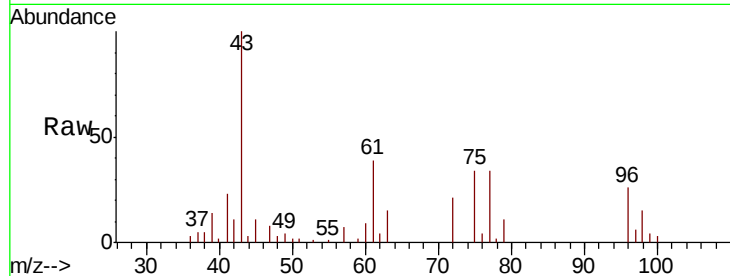
VD0815SBS01

Tot Ion: 43 Resp: 73156

Ion Ratio Lower Upper

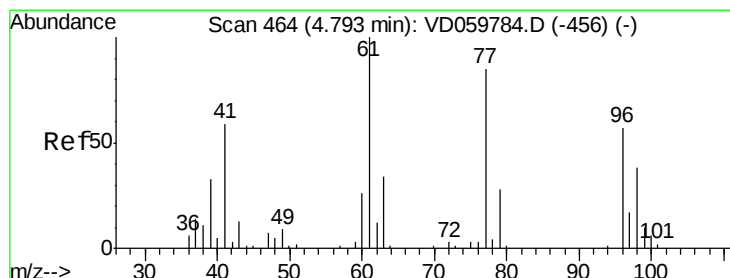
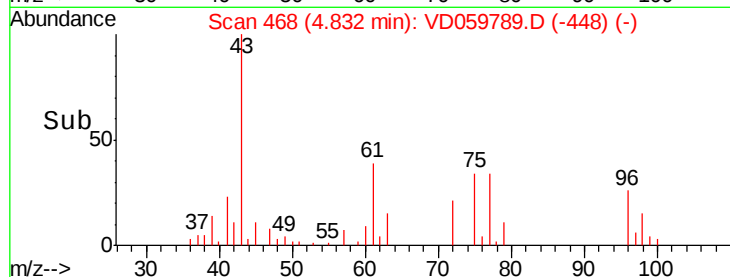
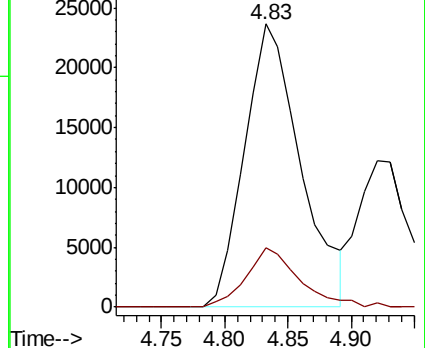
43 100

72 20.9 14.9 22.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.00 ug/l

RT: 4.79 min Scan# 464

Delta R.T. -0.00 min

Lab File: VD059789.D

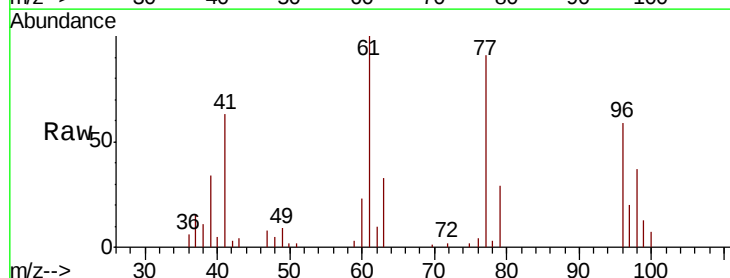
Acq: 15 Aug 2018 4:09

Tgt Ion: 77 Resp: 84868

Ion Ratio Lower Upper

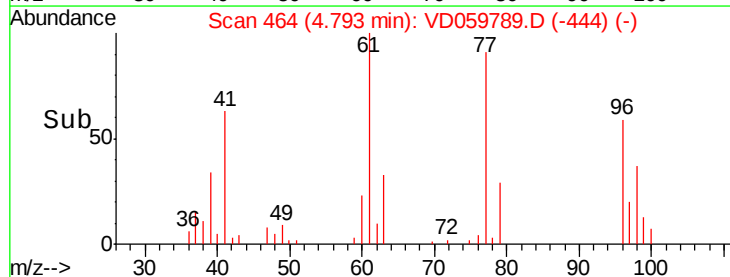
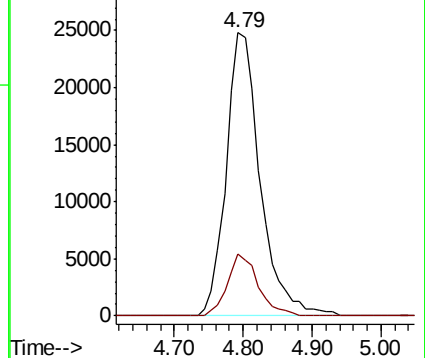
77 100

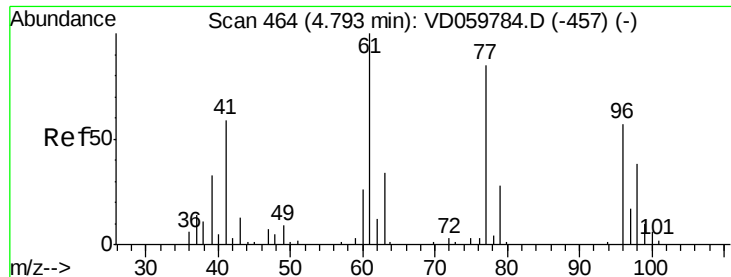
97 21.8 10.3 30.8



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: 20.47 ug/l

RT: 4.80 min Scan# 465

Delta R.T. 0.01 min

Lab File: VD059789.D

Acq: 15 Aug 2018 4:09

Instrument :

MSVOA_D

ClientSampleId :

VD0815SBS01

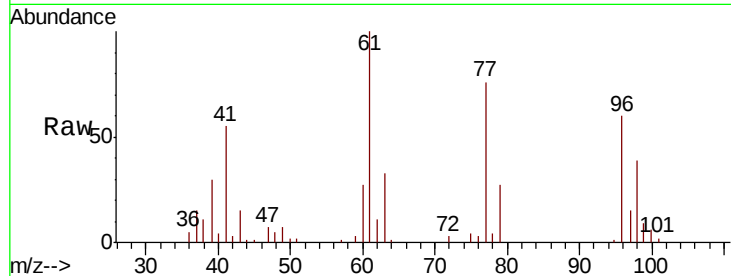
Tot Ion: 96 Resp: 53684

Ion Ratio Lower Upper

96 100

61 165.4 0.0 351.6

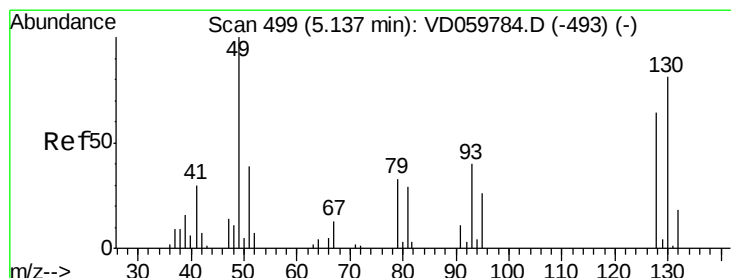
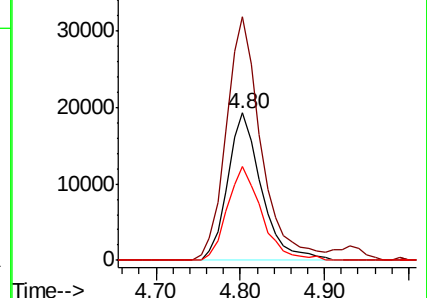
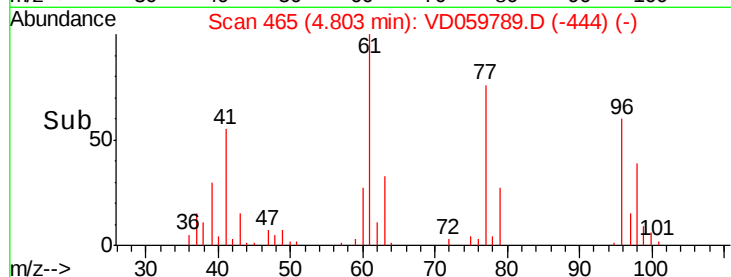
98 64.1 0.0 135.2



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: 20.68 ug/l

RT: 5.15 min Scan# 500

Delta R.T. 0.01 min

Lab File: VD059789.D

Acq: 15 Aug 2018 4:09

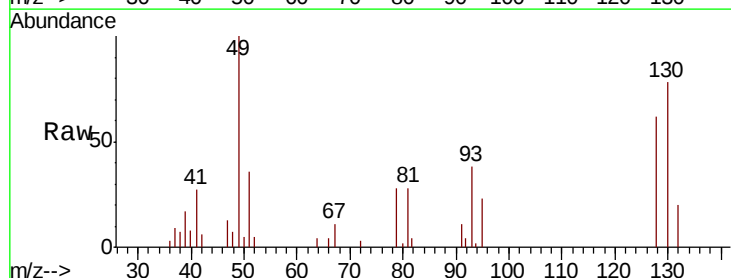
Tgt Ion: 49 Resp: 39639

Ion Ratio Lower Upper

49 100

129 0.0 0.0 7.0

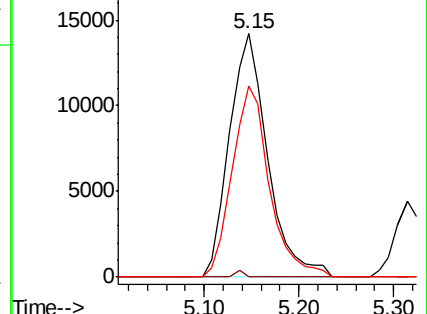
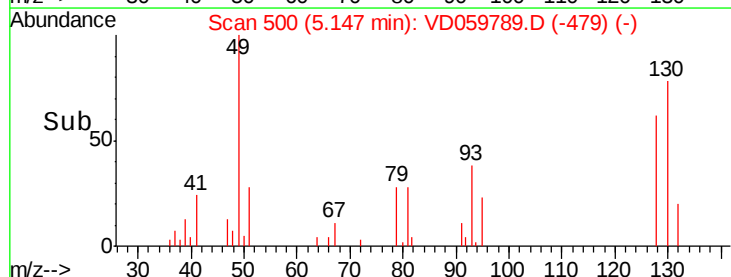
130 78.4 64.8 97.2

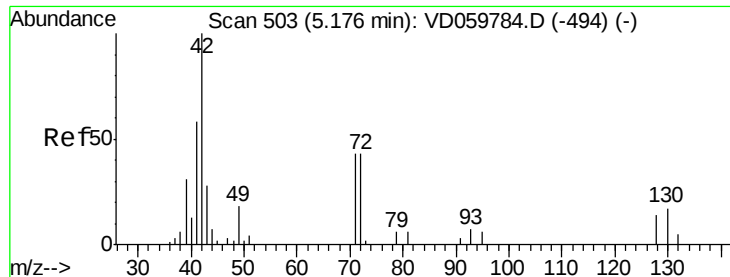


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

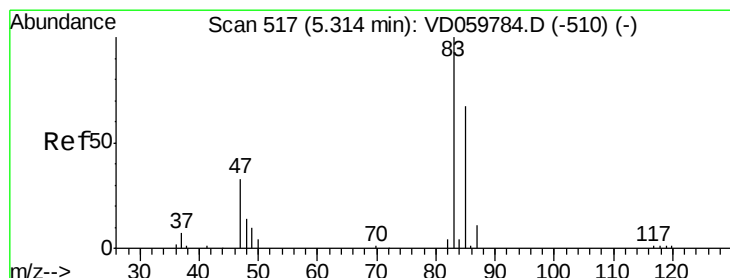
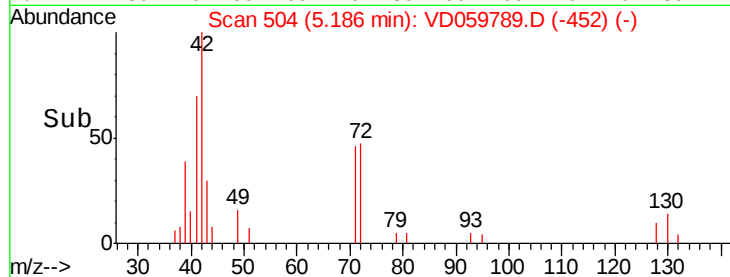
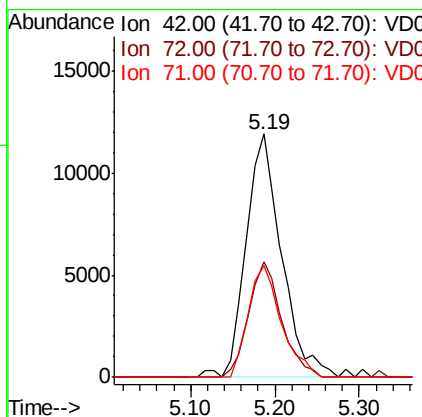
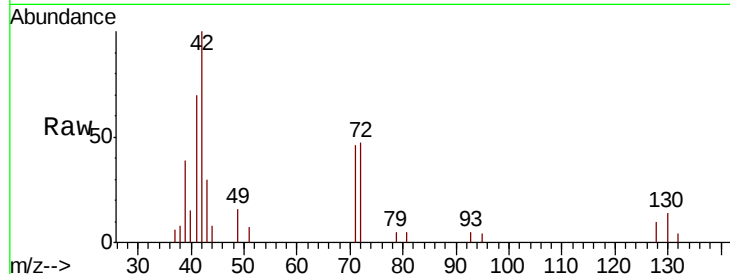




#29
Tetrahydrofuran
Concen: 98.81 ug/l
RT: 5.19 min Scan# 504
Delta R.T. 0.01 min
Lab File: VD059789.D
Acq: 15 Aug 2018 4:09

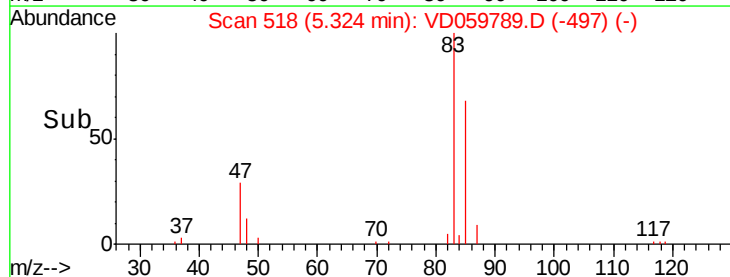
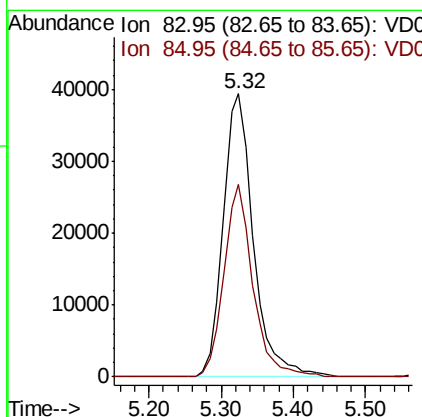
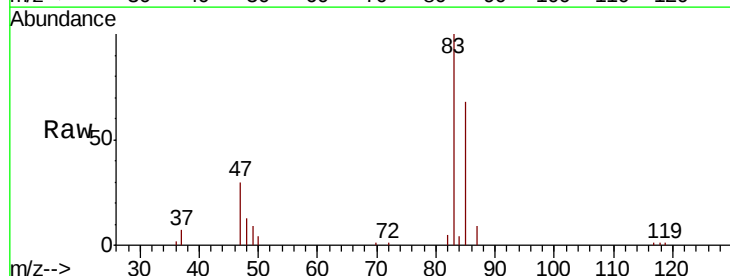
Instrument :
MSVOA_D
ClientSampleId :
VD0815SBS01

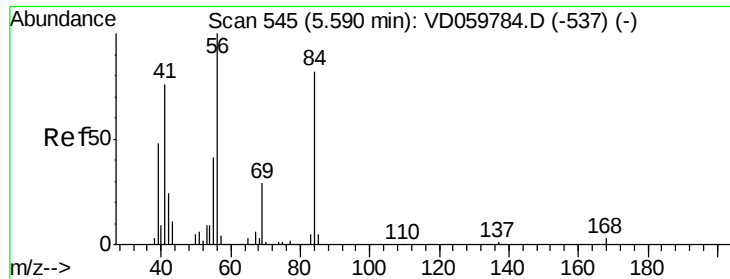
Tot Ion: 42 Resp: 35224
Ion Ratio Lower Upper
42 100
72 44.1 34.3 51.5
71 43.0 33.0 49.6



#30
Chloroform
Concen: 19.47 ug/l
RT: 5.32 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD059789.D
Acq: 15 Aug 2018 4:09

Tgt Ion: 83 Resp: 114182
Ion Ratio Lower Upper
83 100
85 68.0 53.4 80.2





#31

Cyclohexane

Concen: 18.87 ug/l

RT: 5.59 min Scan# 545

Delta R.T. -0.00 min

Lab File: VD059789.D

Acq: 15 Aug 2018 4:09

Instrument :

MSVOA_D

ClientSampleId :

VD0815SBS01

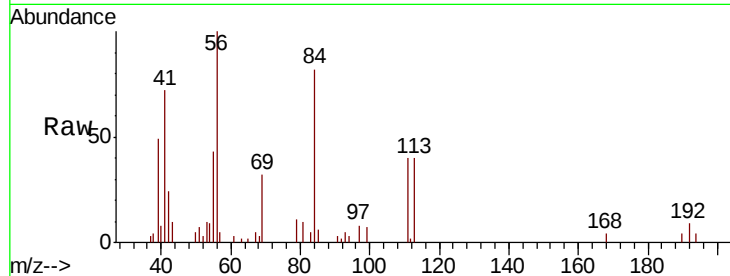
Tot Ion: 56 Resp: 66280

Ion Ratio Lower Upper

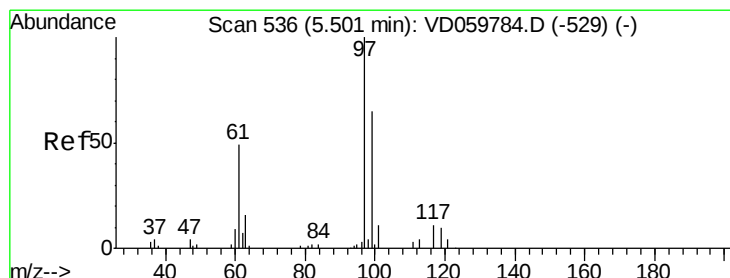
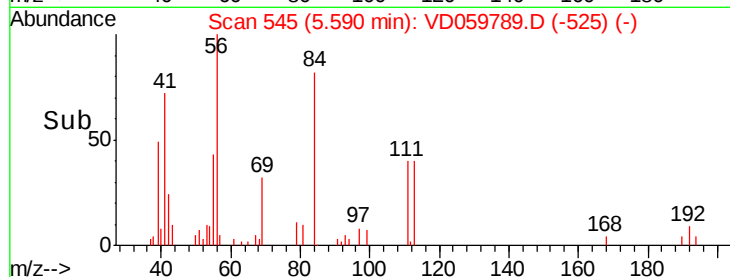
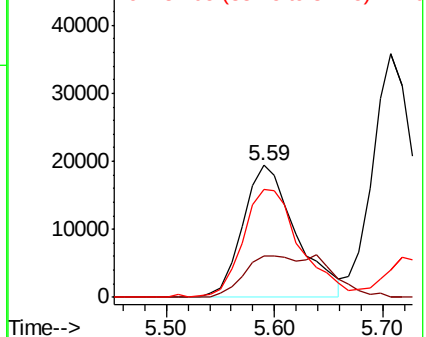
56 100

69 31.9 23.4 35.2

84 82.1 65.4 98.2



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: 20.21 ug/l

RT: 5.51 min Scan# 537

Delta R.T. 0.01 min

Lab File: VD059789.D

Acq: 15 Aug 2018 4:09

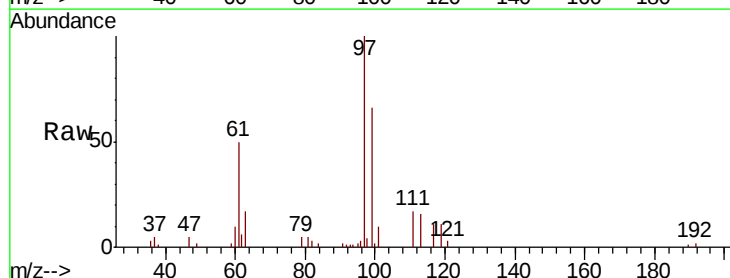
Tgt Ion: 97 Resp: 104252

Ion Ratio Lower Upper

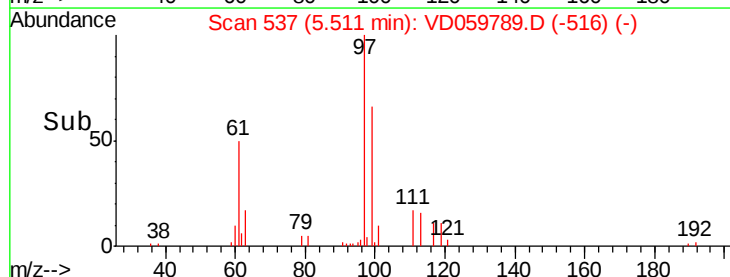
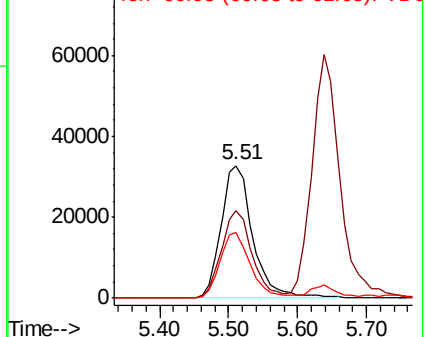
97 100

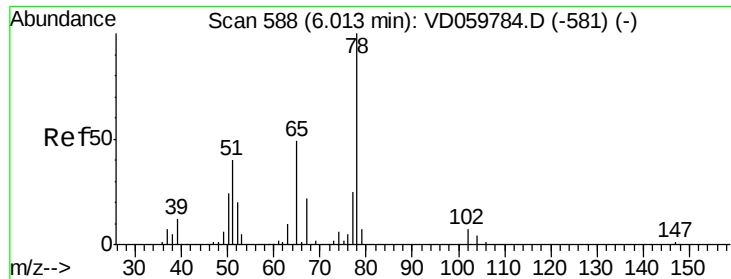
99 66.0 52.2 78.2

61 49.5 39.6 59.4



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: 20.21 ug/l

RT: 6.01 min Scan# 588

Delta R.T. -0.00 min

Lab File: VD059789.D

Acq: 15 Aug 2018 4:09

Instrument :

MSVOA_D

ClientSampleId :

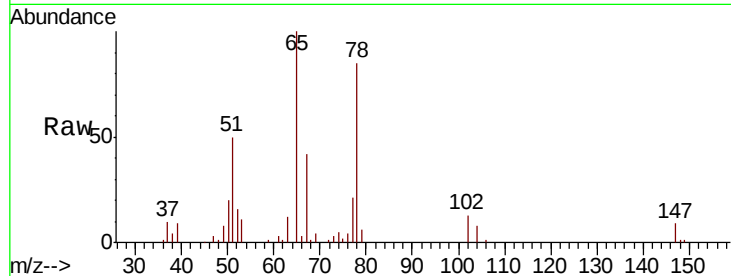
VD0815SBS01

Tot Ion: 65 Resp: 185155

Ion Ratio Lower Upper

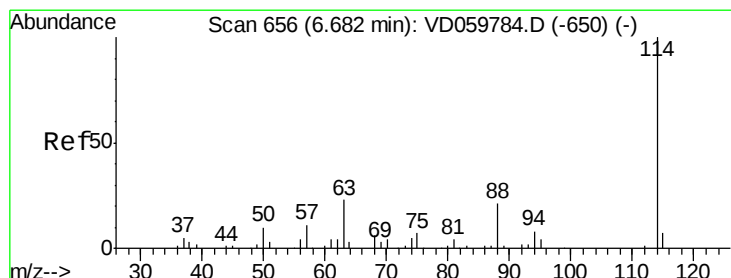
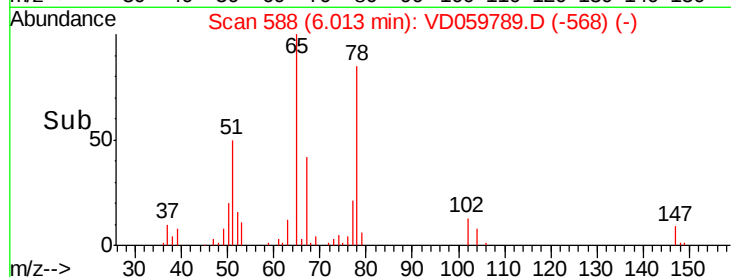
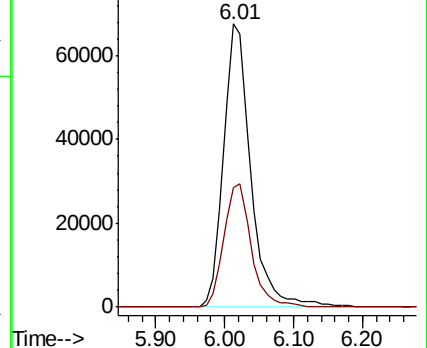
65 100

67 42.3 0.0 87.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.69 min Scan# 657

Delta R.T. 0.01 min

Lab File: VD059789.D

Acq: 15 Aug 2018 4:09

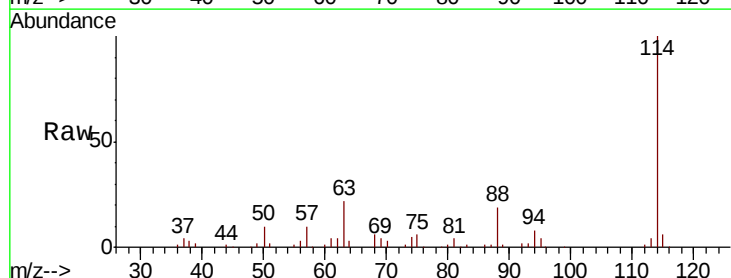
Tgt Ion: 114 Resp: 362687

Ion Ratio Lower Upper

114 100

63 21.8 0.0 45.0

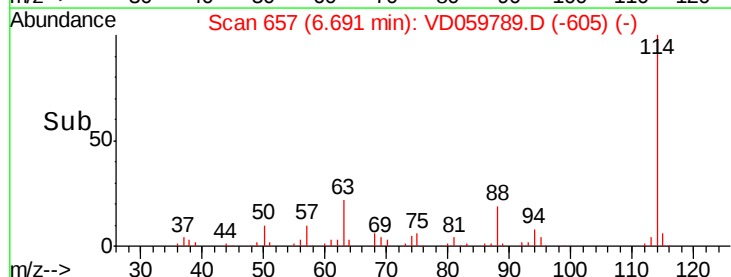
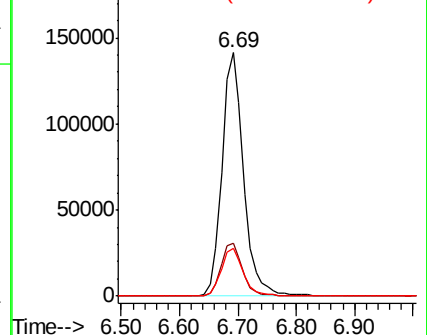
88 19.4 0.0 41.2

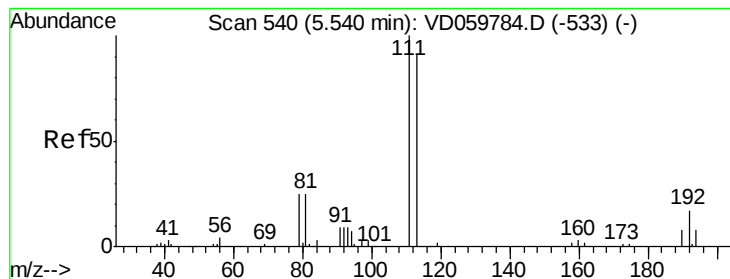


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.55 min Scan# 541

Delta R.T. 0.01 min

Lab File: VD059789.D

Acq: 15 Aug 2018 4:09

Instrument :

MSVOA_D

ClientSampleId :

VD0815SBS01

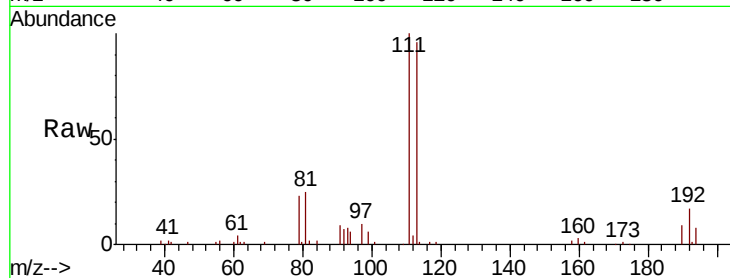
Tot Ion:113 Resp: 169084

Ion Ratio Lower Upper

113 100

111 104.3 87.7 131.5

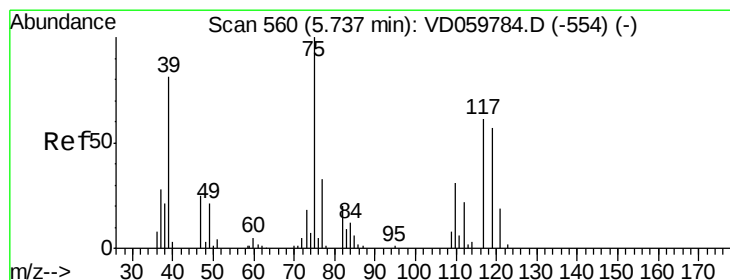
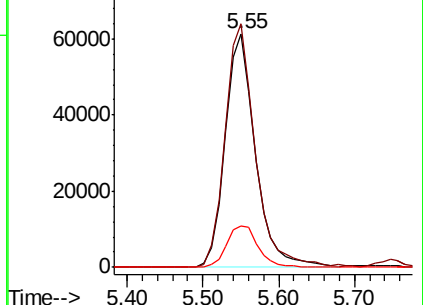
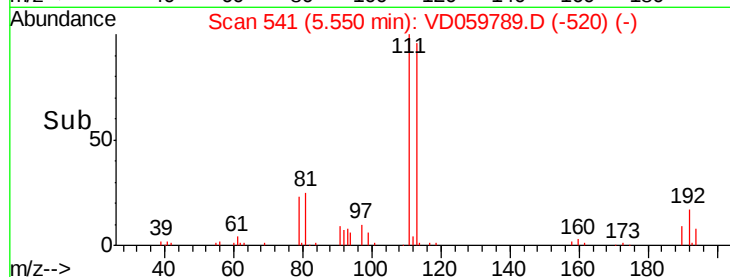
192 17.8 14.6 21.8



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: 20.84 ug/l

RT: 5.75 min Scan# 561

Delta R.T. 0.01 min

Lab File: VD059789.D

Acq: 15 Aug 2018 4:09

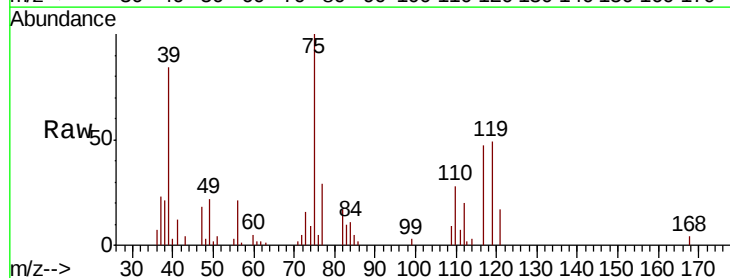
Tgt Ion: 75 Resp: 77532

Ion Ratio Lower Upper

75 100

110 28.0 15.3 45.8

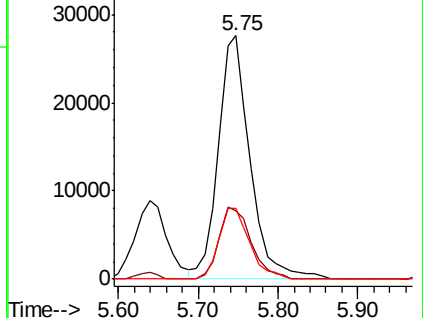
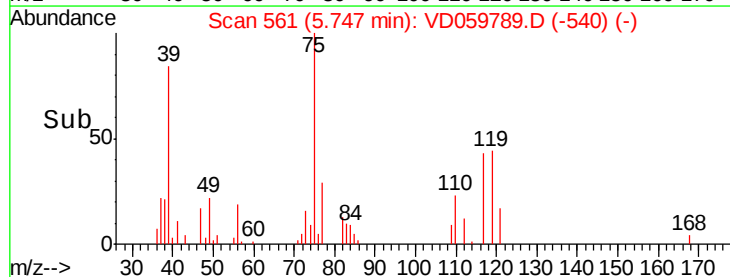
77 29.1 26.2 39.4

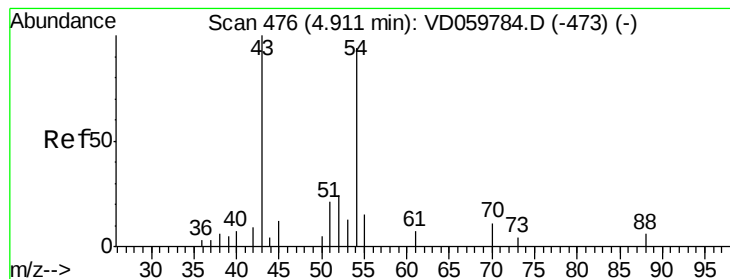


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 20.47 ug/l

RT: 4.92 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD059789.D

Acq: 15 Aug 2018 4:09

Instrument :

MSVOA_D

ClientSampleId :

VD0815SBS01

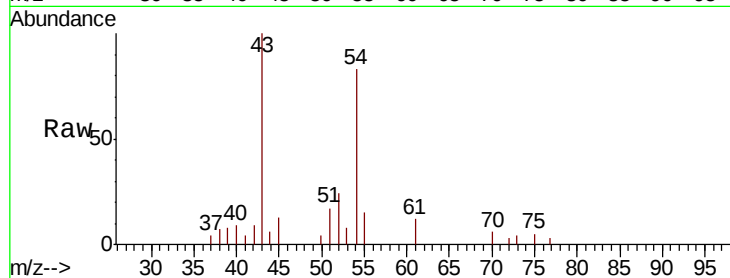
Tot Ion: 43 Resp: 38095

Ion Ratio Lower Upper

43 100

61 12.0 10.2 15.2

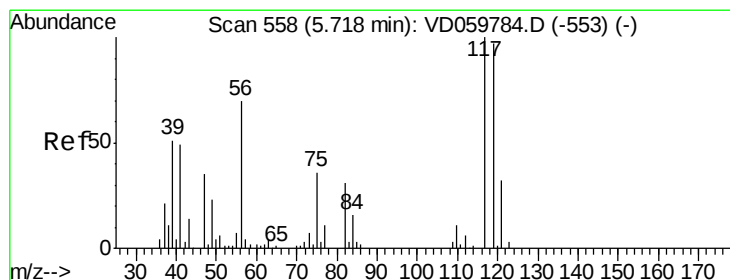
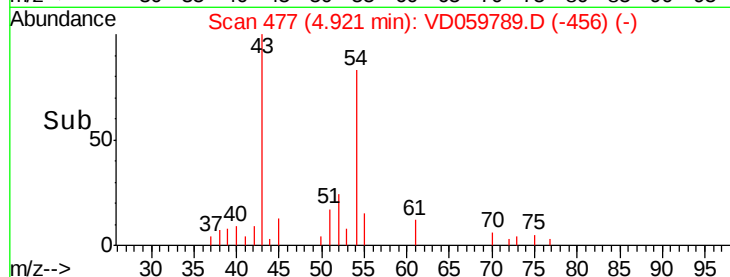
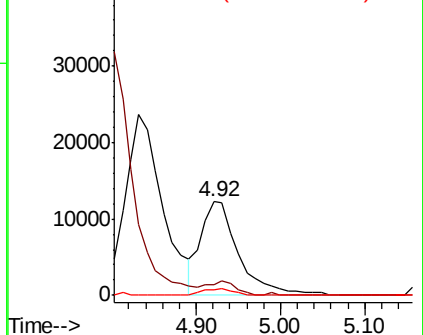
70 5.7 5.8 8.8#



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: 20.04 ug/l

RT: 5.73 min Scan# 559

Delta R.T. 0.01 min

Lab File: VD059789.D

Acq: 15 Aug 2018 4:09

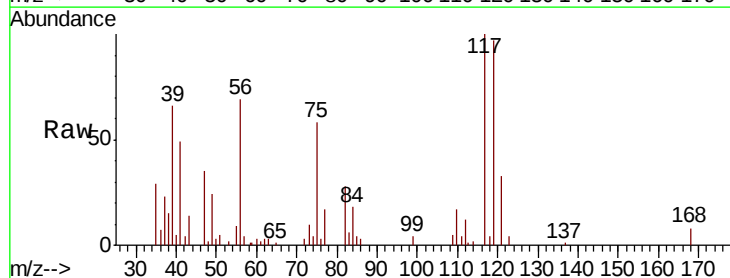
Tgt Ion: 117 Resp: 89949

Ion Ratio Lower Upper

117 100

119 96.7 75.7 113.5

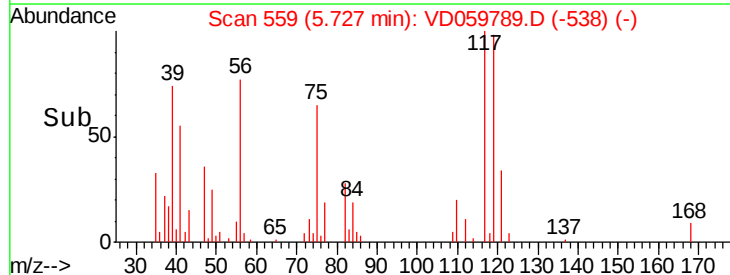
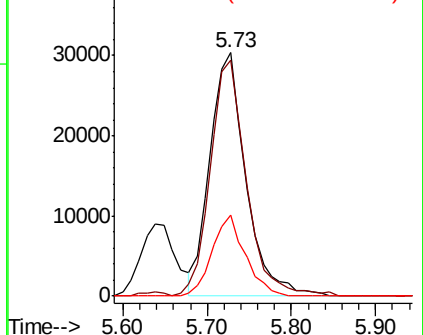
121 33.2 24.7 37.1

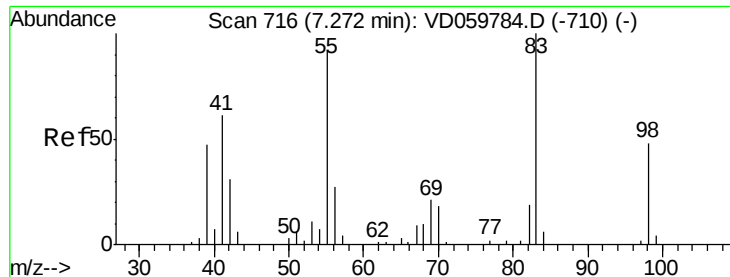


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

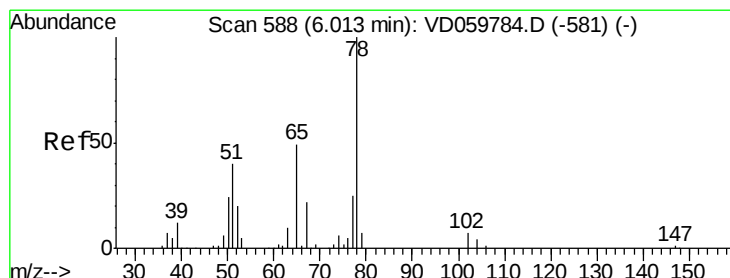
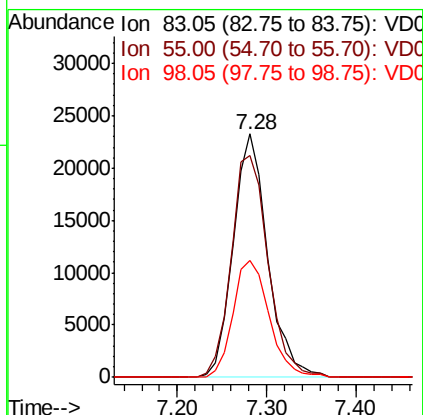
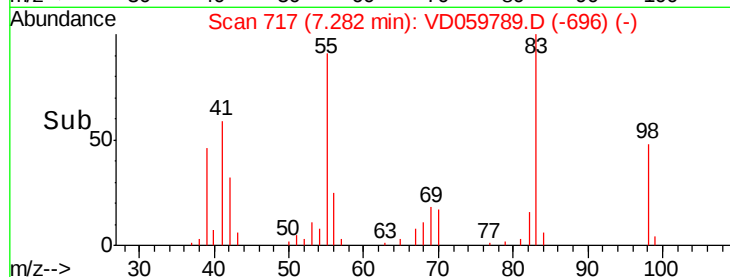
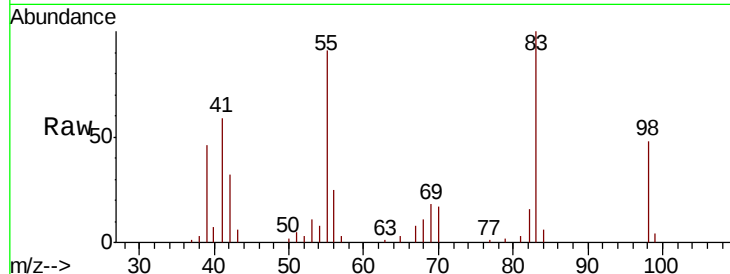




#39
Methvlcvclohexane
Concen: 19.47 ug/l
RT: 7.28 min Scan# 717
Delta R.T. 0.01 min
Lab File: VD059789.D
Acq: 15 Aug 2018 4:09

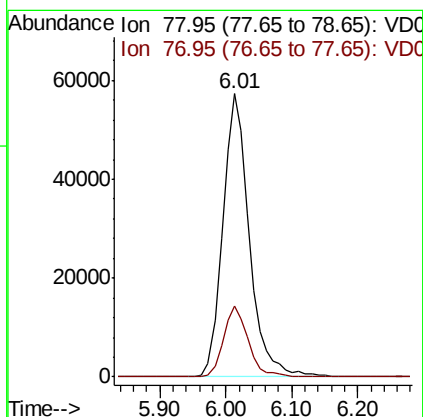
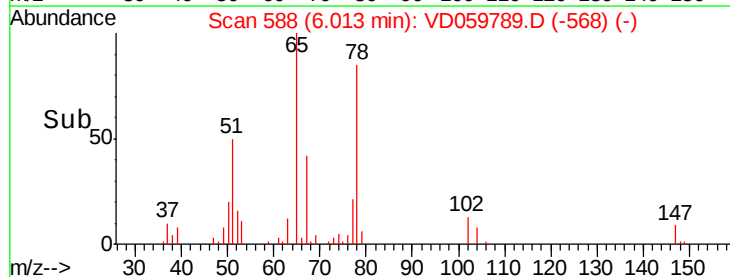
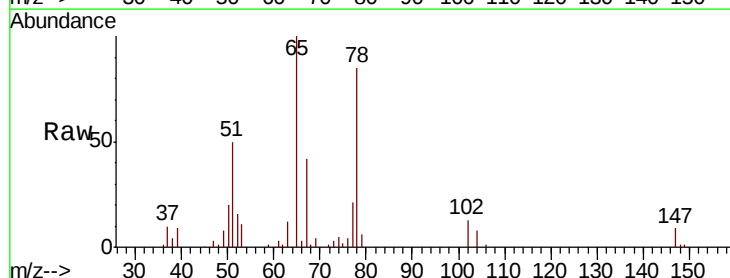
Instrument :
MSVOA_D
ClientSampleId :
VD0815SBS01

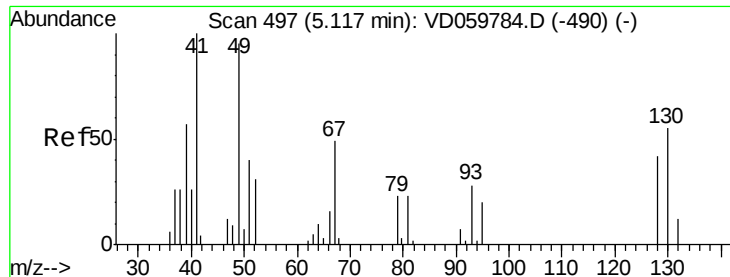
Tot Ion: 83 Resp: 62685
Ion Ratio Lower Upper
83 100
55 90.9 73.8 110.6
98 47.8 38.4 57.6



#40
Benzene
Concen: 20.29 ug/l
RT: 6.01 min Scan# 588
Delta R.T. -0.00 min
Lab File: VD059789.D
Acq: 15 Aug 2018 4:09

Tgt Ion: 78 Resp: 160183
Ion Ratio Lower Upper
78 100
77 25.0 19.6 29.4

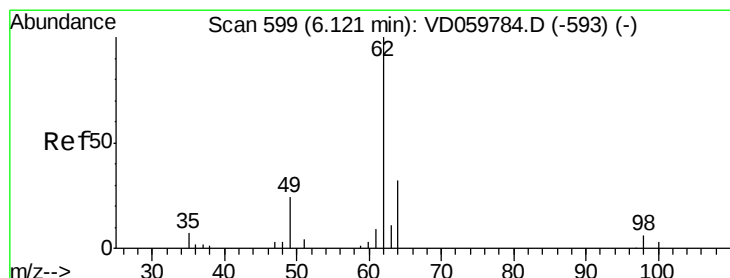
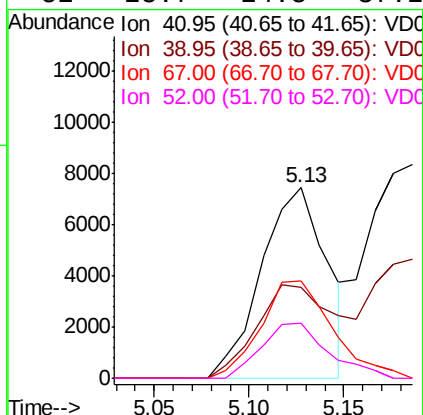
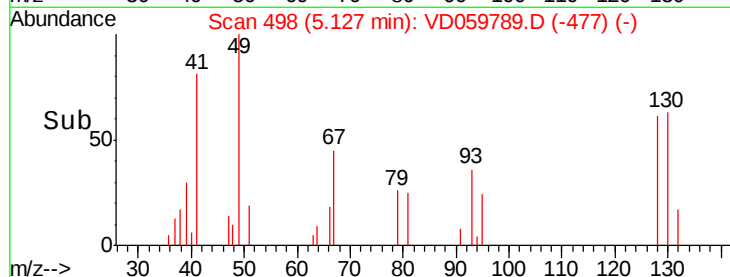
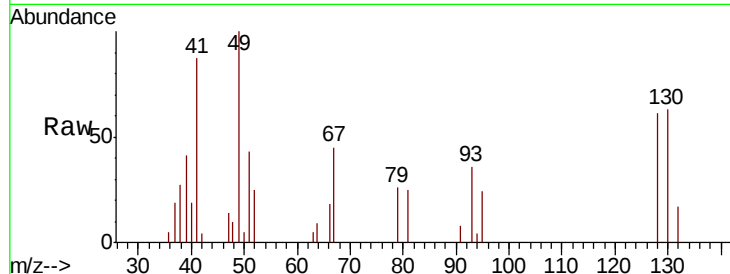




#41
Methacrylonitrile
Concen: 20.27 ug/l
RT: 5.13 min Scan# 498
Delta R.T. 0.01 min
Lab File: VD059789.D
Acq: 15 Aug 2018 4:09

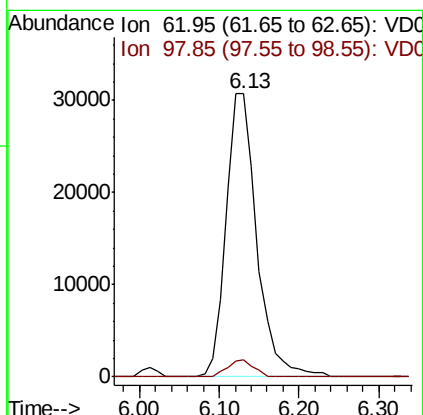
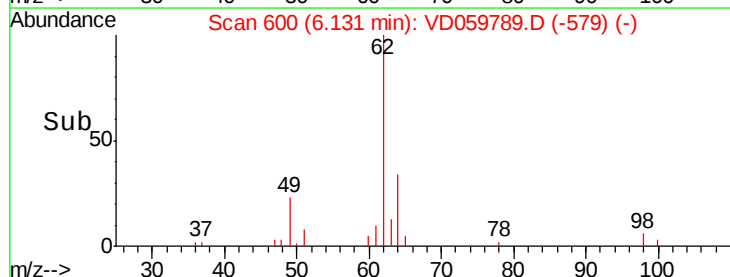
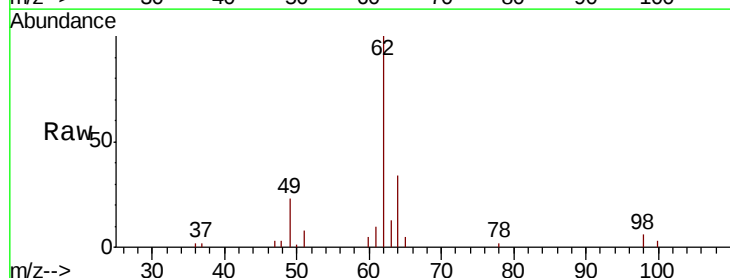
Instrument :
MSVOA_D
ClientSampleId :
VD0815SBS01

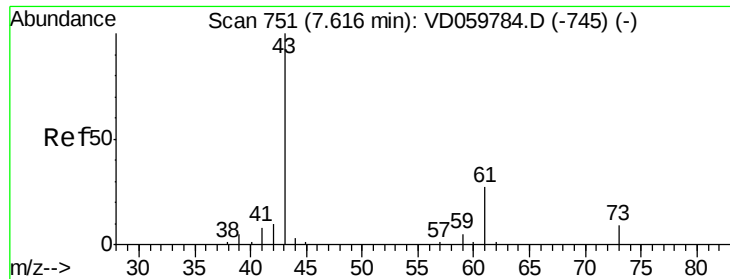
Tot Ion:	41	Resp:	18052
Ion	Ratio	Lower	Upper
41	100		
39	47.4	45.4	68.2
67	51.3	39.5	59.3
52	28.7	24.8	37.2



#42
1,2-Dichloroethane
Concen: 19.46 ug/l
RT: 6.13 min Scan# 600
Delta R.T. 0.01 min
Lab File: VD059789.D
Acq: 15 Aug 2018 4:09

Tgt Ion:	62	Resp:	83111
Ion	Ratio	Lower	Upper
62	100		
98	5.9	0.0	12.0



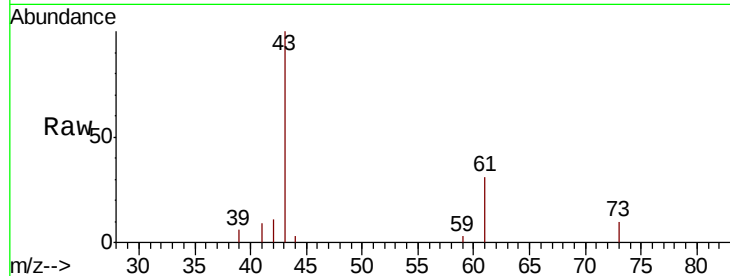


#43

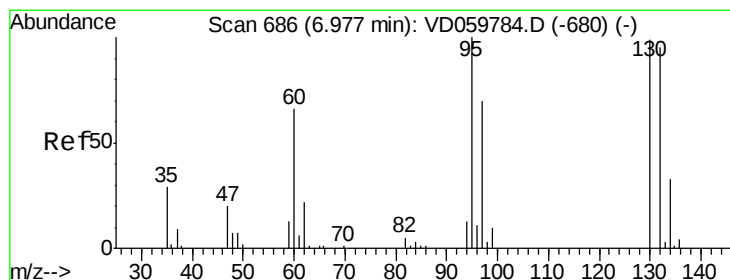
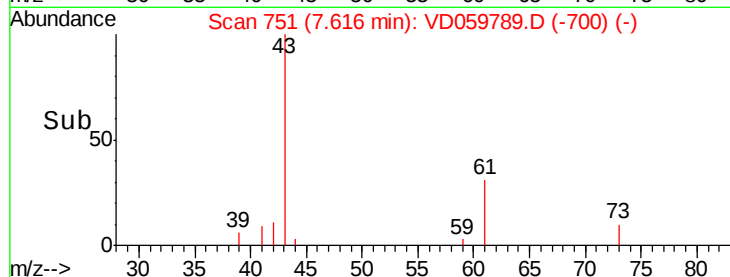
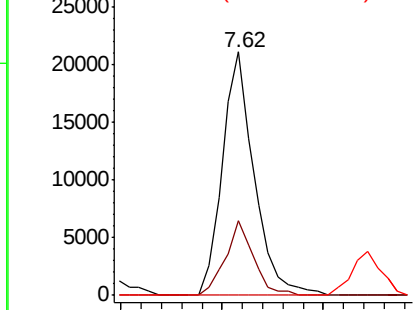
Isopropyl Acetate
 Concen: 19.58 ug/l
 RT: 7.62 min Scan# 751
 Delta R.T. -0.00 min
 Lab File: VD059789.D
 Acq: 15 Aug 2018 4:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0815SBS01

Tot Ion: 43 Resp: 46010
 Ion Ratio Lower Upper
 43 100
 61 30.9 21.2 31.8
 87 0.0 0.0 0.0



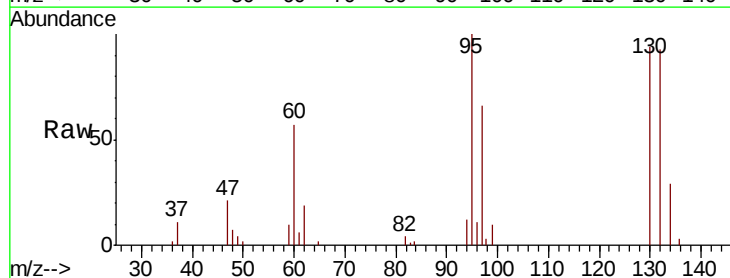
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



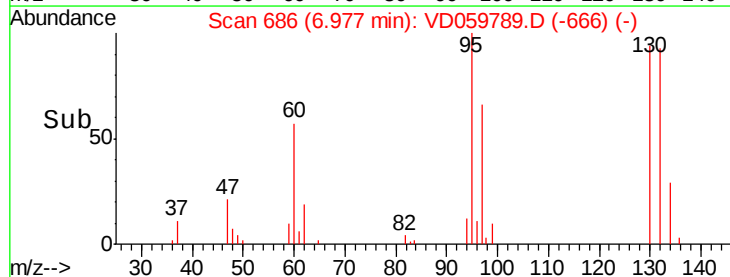
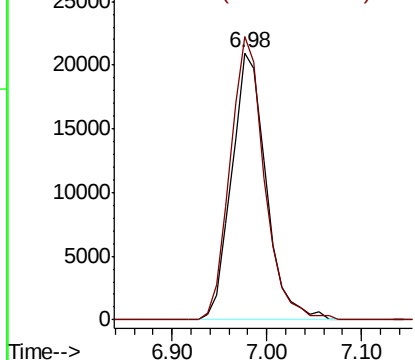
#44

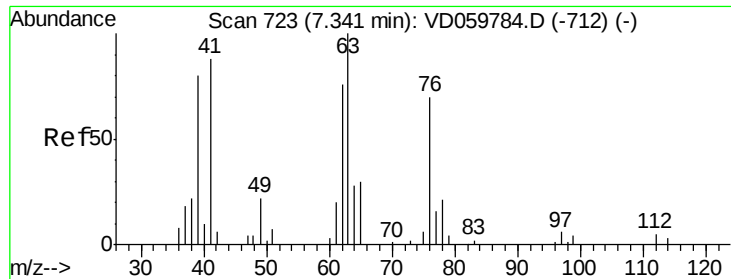
Trichloroethene
 Concen: 19.49 ug/l
 RT: 6.98 min Scan# 686
 Delta R.T. -0.00 min
 Lab File: VD059789.D
 Acq: 15 Aug 2018 4:09

Tgt Ion:130 Resp: 52663
 Ion Ratio Lower Upper
 130 100
 95 106.0 0.0 201.2



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





#45

1,2-Dichloropropane

Concen: 19.99 ug/l

RT: 7.34 min Scan# 723

Delta R.T. -0.00 min

Lab File: VD059789.D

Acq: 15 Aug 2018 4:09

Instrument :

MSVOA_D

ClientSampleId :

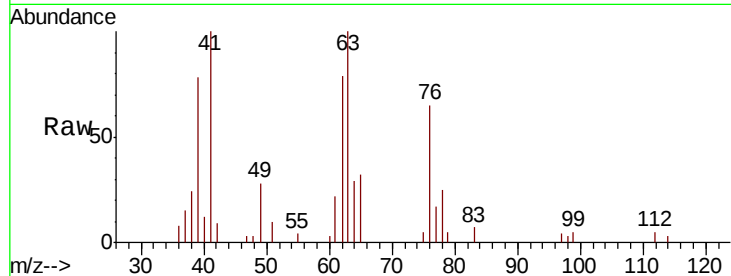
VD0815SBS01

Tot Ion: 63 Resp: 41012

Ion Ratio Lower Upper

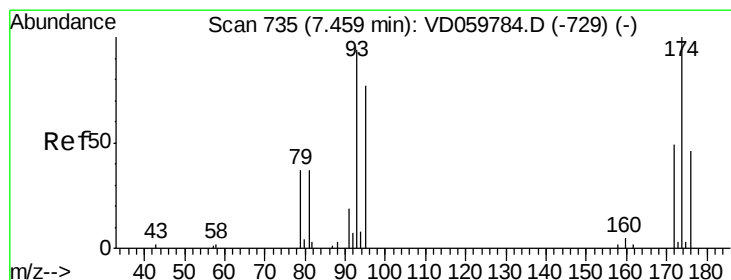
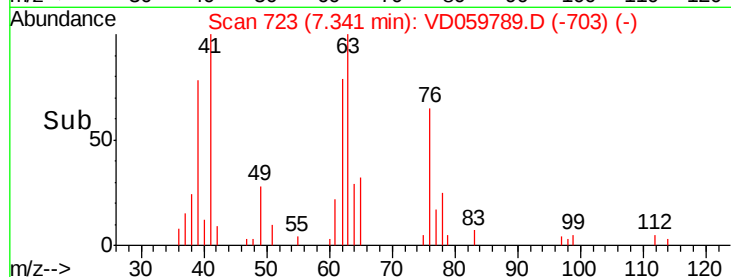
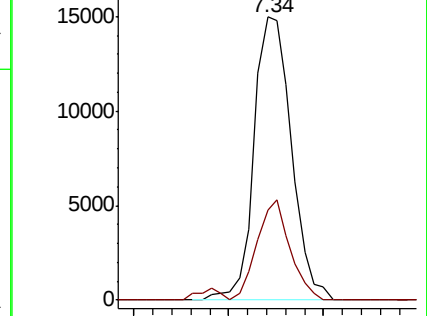
63 100

65 31.8 24.2 36.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 19.08 ug/l

RT: 7.46 min Scan# 735

Delta R.T. -0.00 min

Lab File: VD059789.D

Acq: 15 Aug 2018 4:09

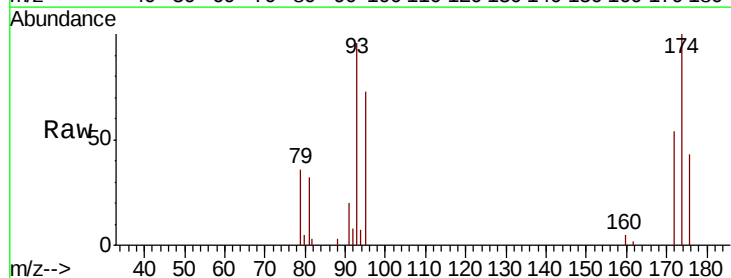
Tgt Ion: 93 Resp: 32021

Ion Ratio Lower Upper

93 100

95 76.4 66.2 99.4

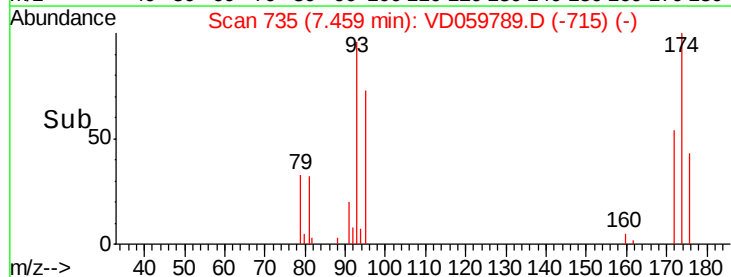
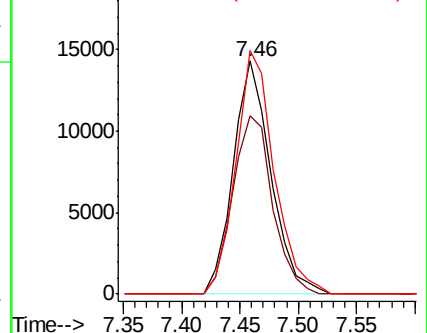
174 104.5 85.5 128.3

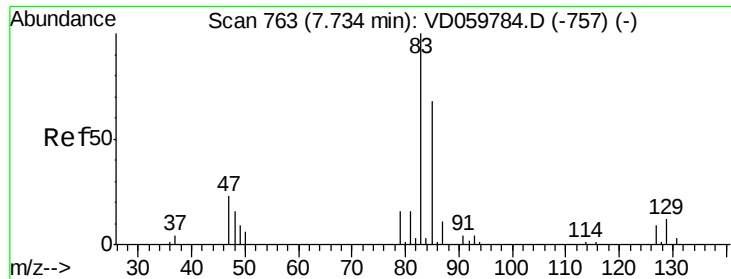


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 19.65 ug/l

RT: 7.74 min Scan# 764

Delta R.T. 0.01 min

Lab File: VD059789.D

Acq: 15 Aug 2018 4:09

Instrument :

MSVOA_D

ClientSampleId :

VD0815SBS01

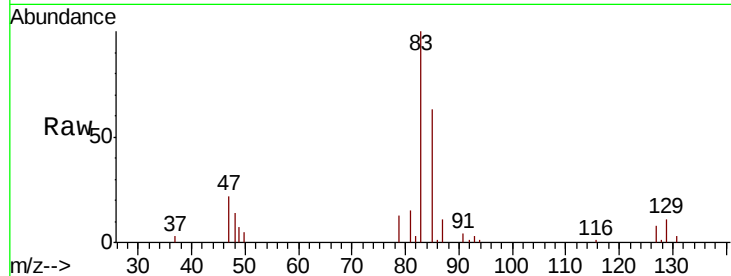
Tot Ion: 83 Resp: 80764

Ion Ratio Lower Upper

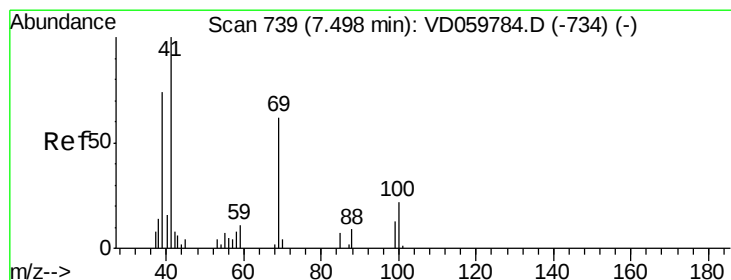
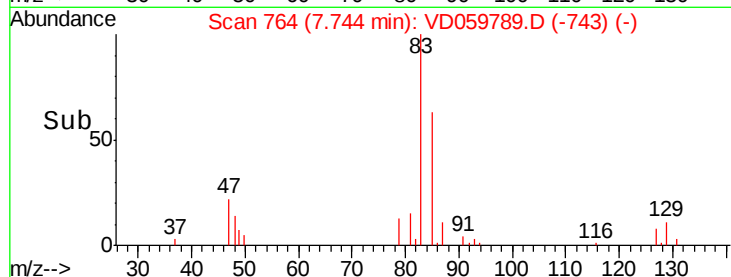
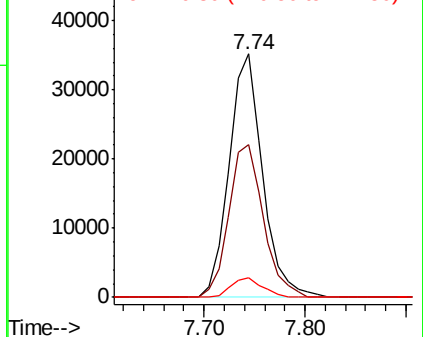
83 100

85 62.8 54.1 81.1

127 7.8 7.5 11.3



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: 19.90 ug/l

RT: 7.51 min Scan# 740

Delta R.T. 0.01 min

Lab File: VD059789.D

Acq: 15 Aug 2018 4:09

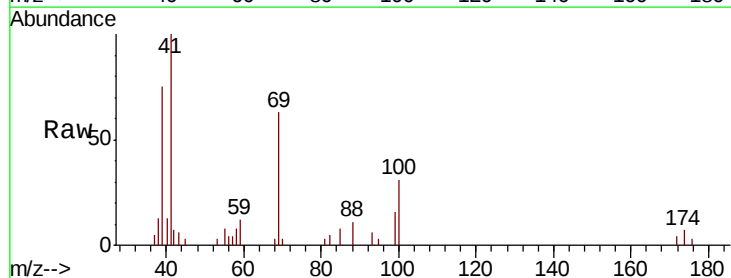
Tgt Ion: 41 Resp: 30520

Ion Ratio Lower Upper

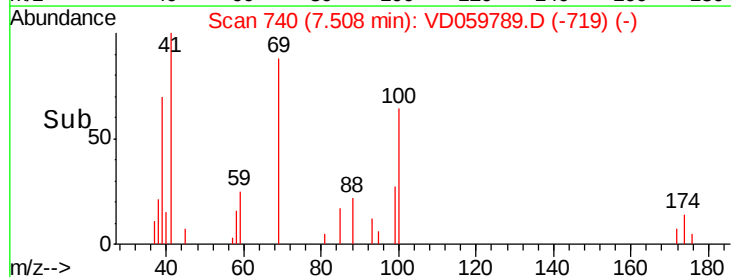
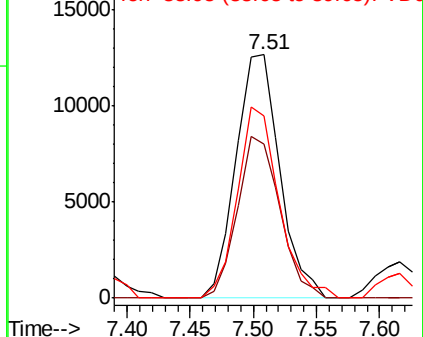
41 100

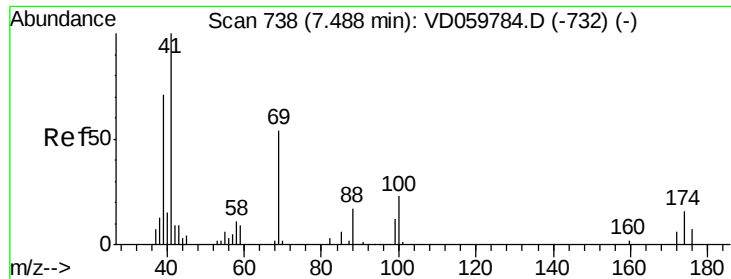
69 63.3 49.8 74.8

39 75.0 59.0 88.4



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

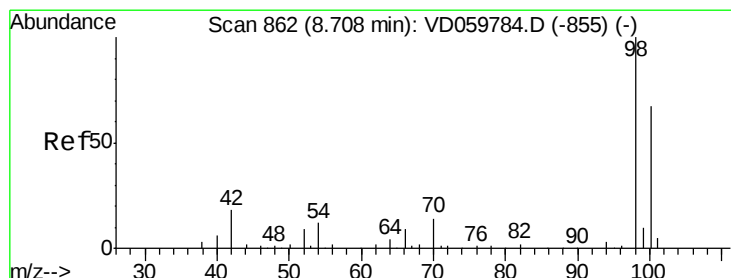
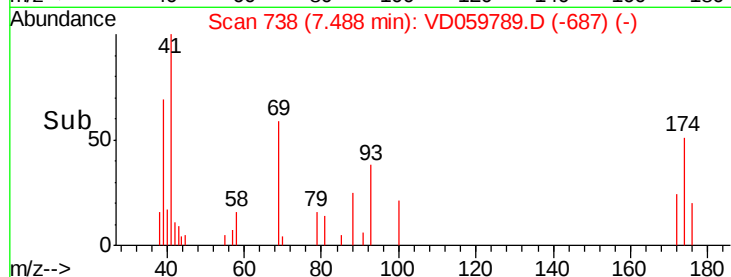
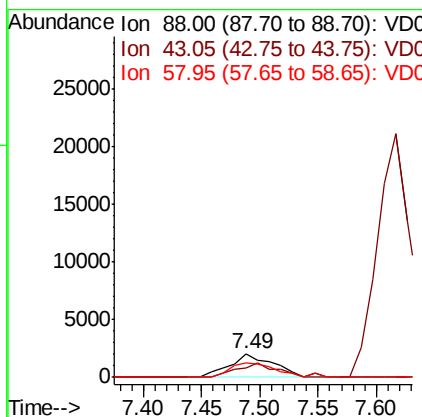
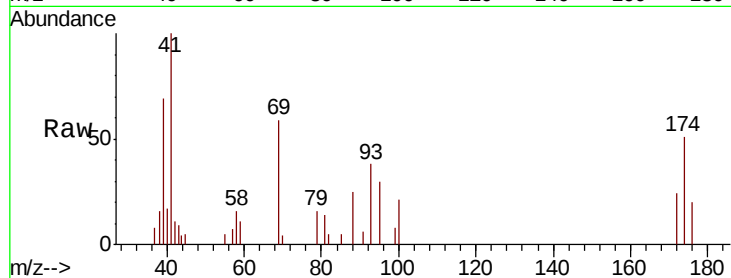




#49
1,4-Dioxane
Concen: 399.61 ug/l
RT: 7.49 min Scan# 738
Delta R.T. 0.00 min
Lab File: VD059789.D
Acq: 15 Aug 2018 4:09

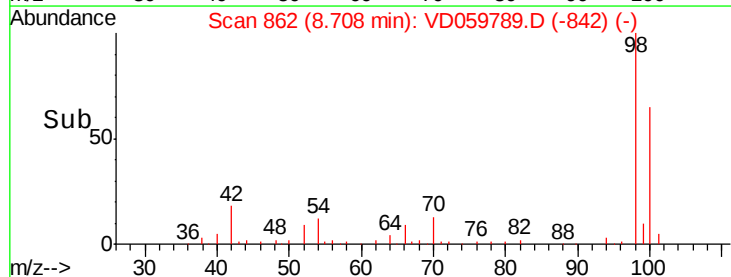
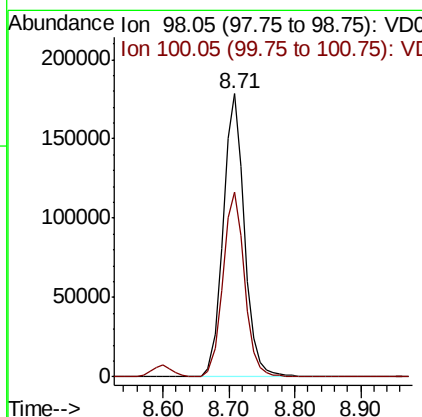
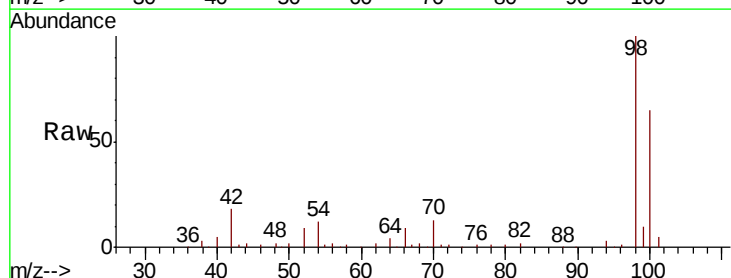
Instrument :
MSVOA_D
ClientSampleId :
VD0815SBS01

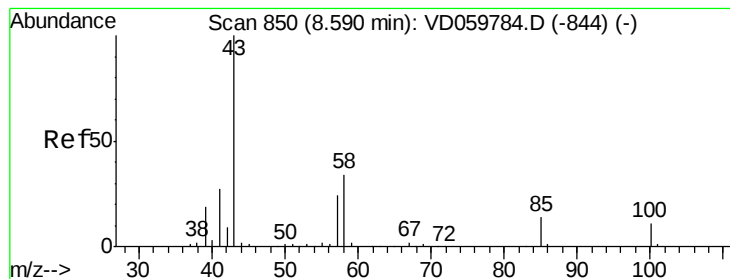
Tot Ion: 88 Resp: 5397
Ion Ratio Lower Upper
88 100
43 37.5 42.0 63.0#
58 63.5 51.4 77.0



#50
Toluene-d8
Concen: 399.61 ug/l
RT: 8.71 min Scan# 862
Delta R.T. -0.00 min
Lab File: VD059789.D
Acq: 15 Aug 2018 4:09

Tgt Ion: 98 Resp: 402490
Ion Ratio Lower Upper
98 100
100 65.5 54.2 81.4





#51

4-Methyl-2-Pentanone

Concen: 88.75 ug/l

RT: 8.60 min Scan# 851

Delta R.T. 0.01 min

Lab File: VD059789.D

Acq: 15 Aug 2018 4:09

Instrument :

MSVOA_D

ClientSampleId :

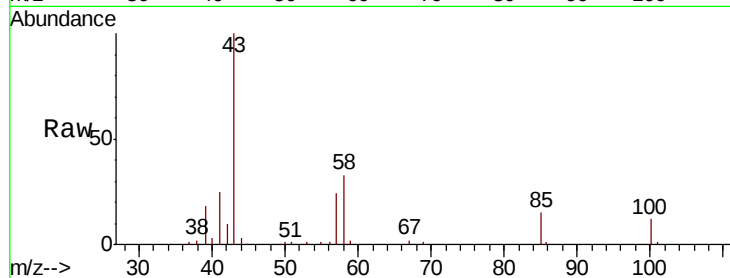
VD0815SBS01

Tot Ion: 43 Resp: 157673

Ion Ratio Lower Upper

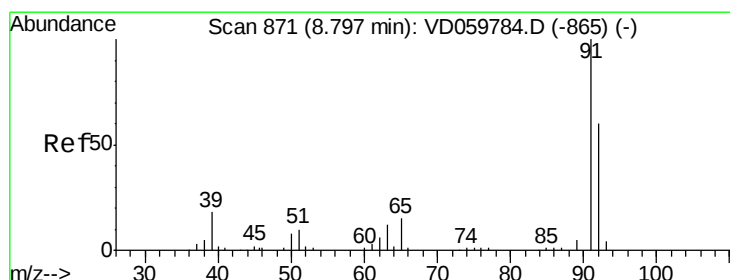
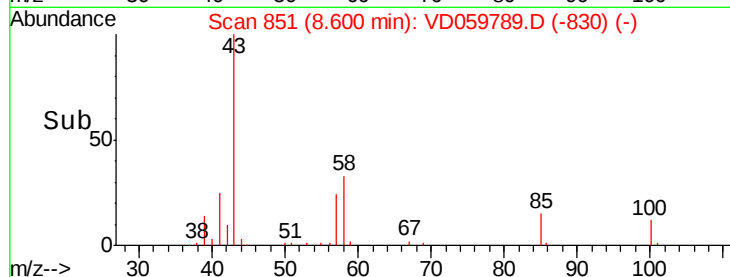
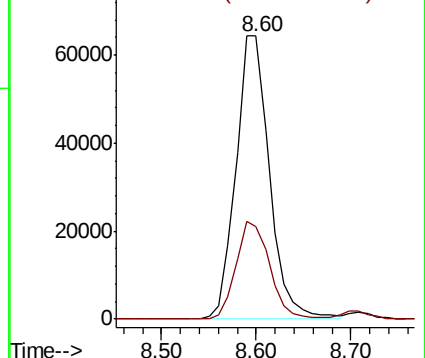
43 100

58 32.8 27.5 41.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 20.46 ug/l

RT: 8.80 min Scan# 871

Delta R.T. -0.00 min

Lab File: VD059789.D

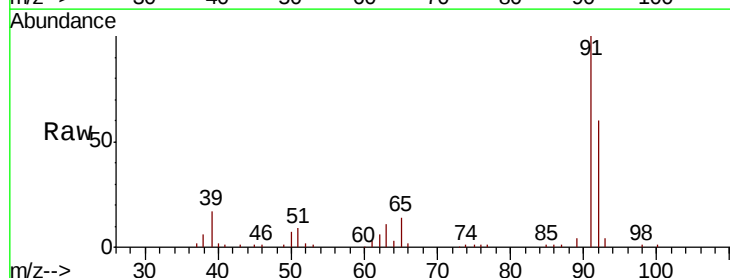
Acq: 15 Aug 2018 4:09

Tgt Ion: 92 Resp: 103478

Ion Ratio Lower Upper

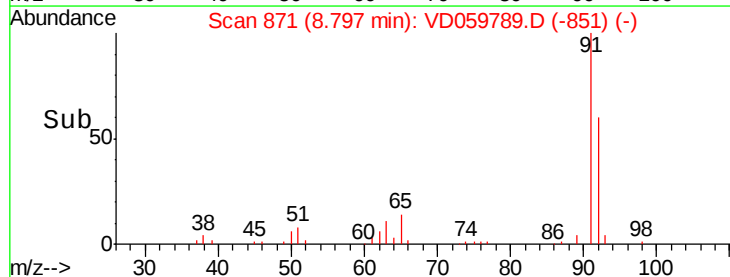
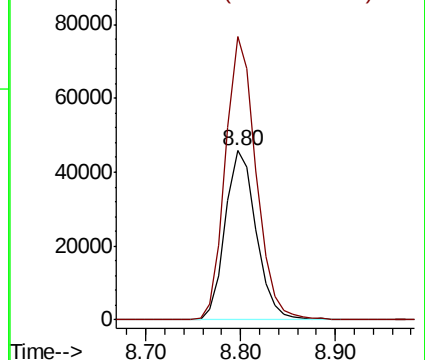
92 100

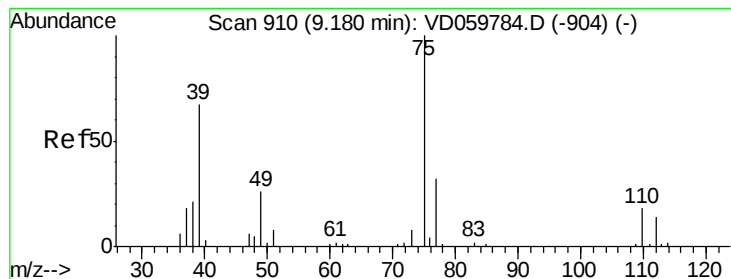
91 167.3 133.1 199.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 19.82 ug/l

RT: 9.19 min Scan# 911

Delta R.T. 0.01 min

Lab File: VD059789.D

Acq: 15 Aug 2018 4:09

Instrument :

MSVOA_D

ClientSampleId :

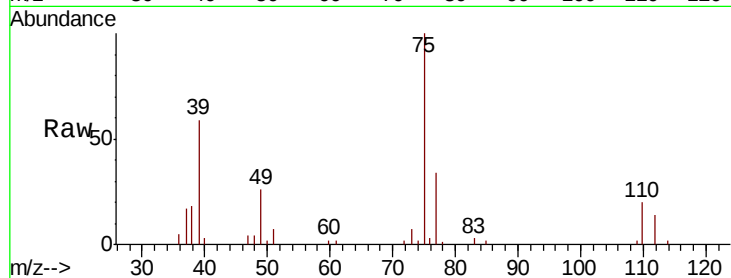
VD0815SBS01

Tot Ion: 75 Resp: 67546

Ion Ratio Lower Upper

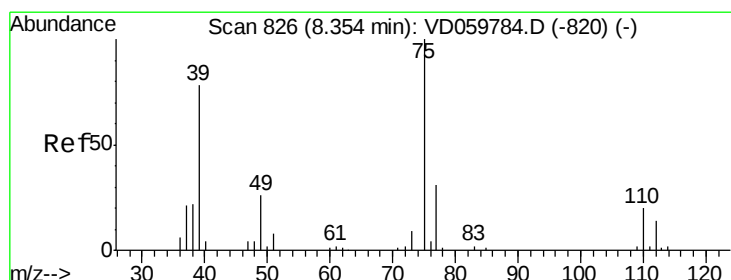
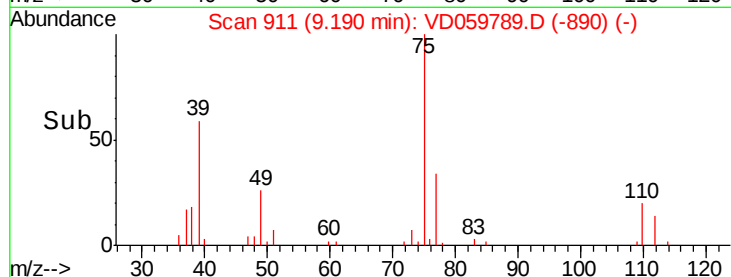
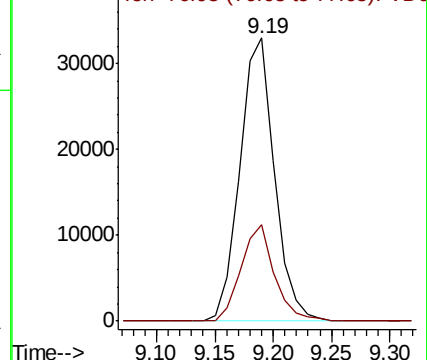
75 100

77 34.0 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 19.96 ug/l

RT: 8.36 min Scan# 827

Delta R.T. 0.01 min

Lab File: VD059789.D

Acq: 15 Aug 2018 4:09

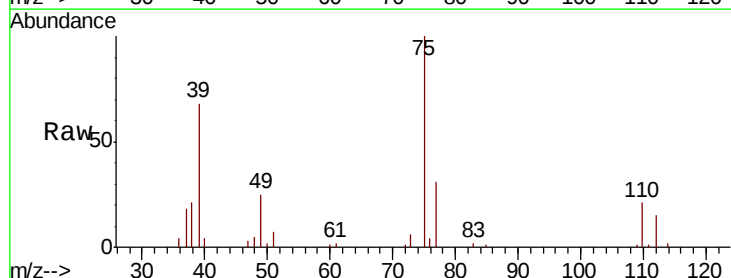
Tgt Ion: 75 Resp: 73511

Ion Ratio Lower Upper

75 100

77 31.3 24.8 37.2

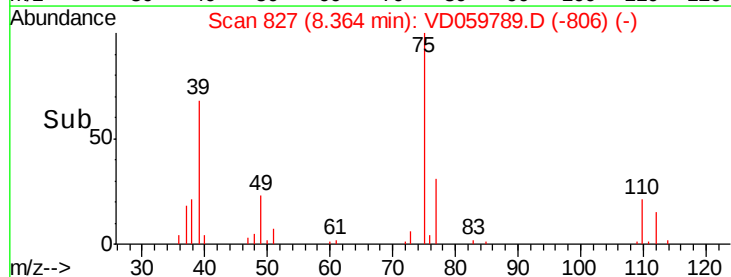
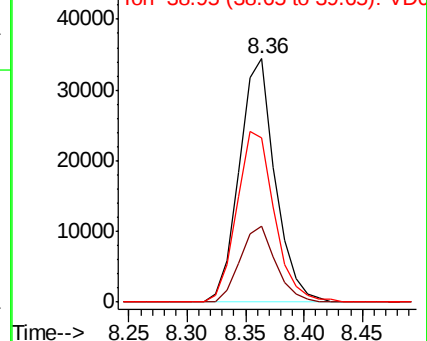
39 67.6 62.5 93.7

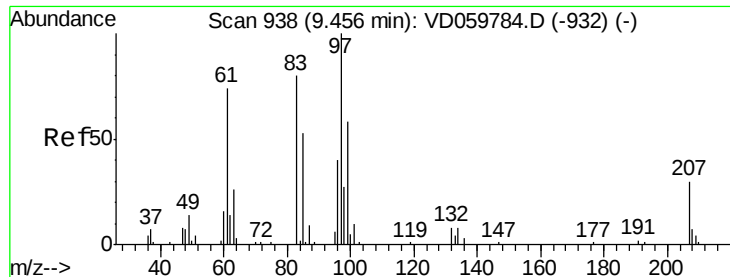


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 19.52 ug/l

RT: 9.46 min Scan# 938

Delta R.T. -0.00 min

Lab File: VD059789.D

Acq: 15 Aug 2018 4:09

Instrument :

MSVOA_D

ClientSampleId :

VD0815SBS01

Tot Ion: 97 Resp: 36443

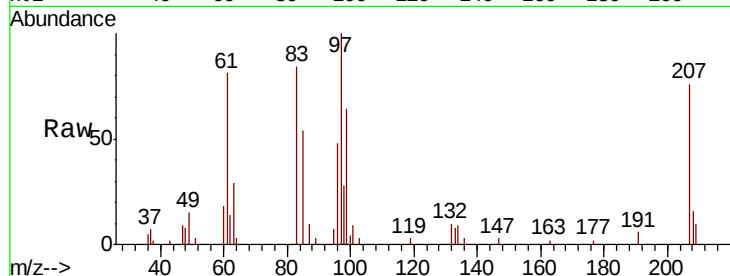
Ion Ratio Lower Upper

97 100

83 83.9 63.8 95.8

85 53.9 42.5 63.7

99 63.5 46.2 69.4



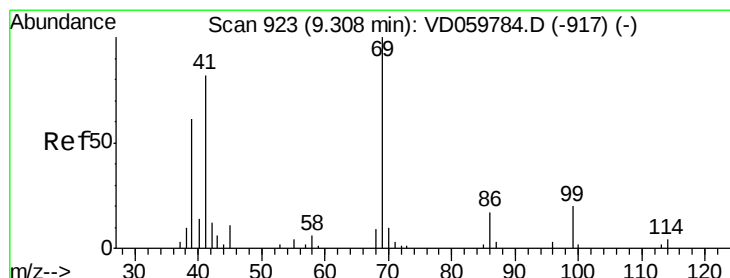
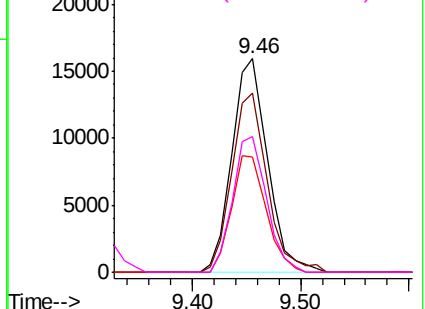
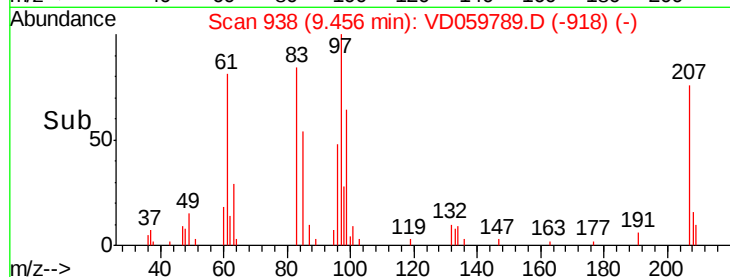
Abundance

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: 19.84 ug/l

RT: 9.31 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD059789.D

Acq: 15 Aug 2018 4:09

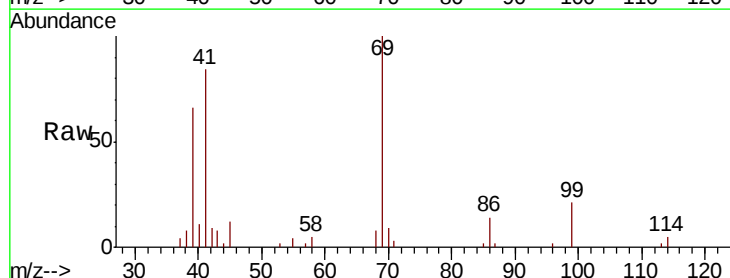
Tgt Ion: 69 Resp: 40105

Ion Ratio Lower Upper

69 100

41 84.0 65.8 98.8

39 66.2 49.7 74.5

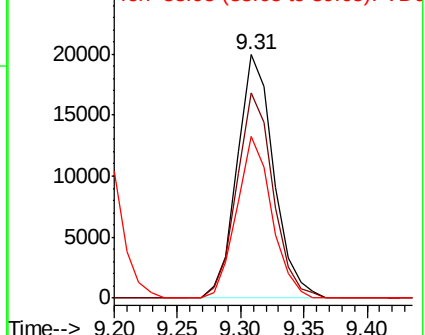
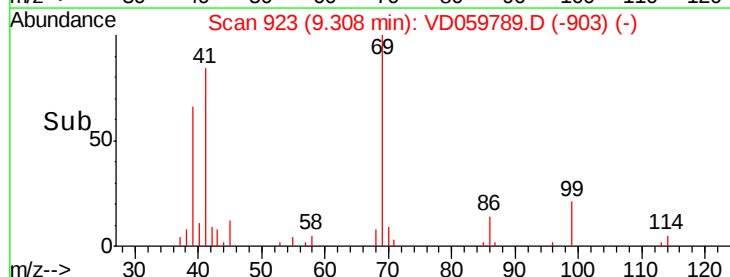


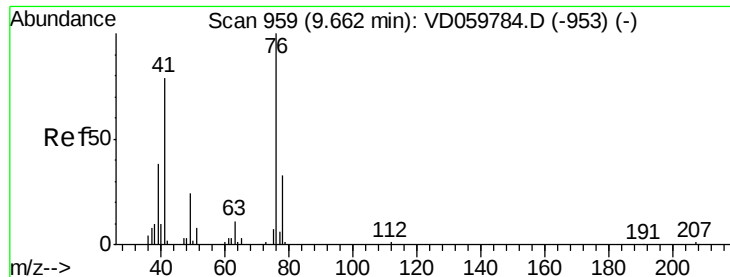
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 18.86 ug/l

RT: 9.66 min Scan# 959

Delta R.T. -0.00 min

Lab File: VD059789.D

Acq: 15 Aug 2018 4:09

Instrument :

MSVOA_D

ClientSampleId :

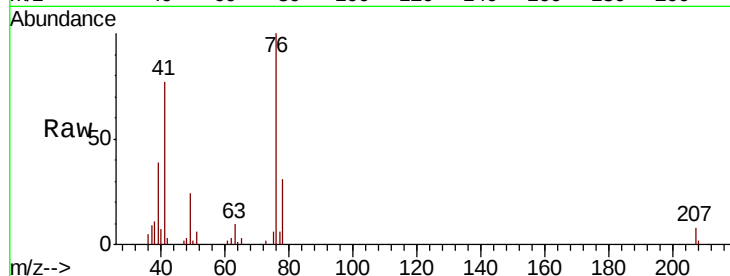
VD0815SBS01

Tot Ion: 76 Resp: 55142

Ion Ratio Lower Upper

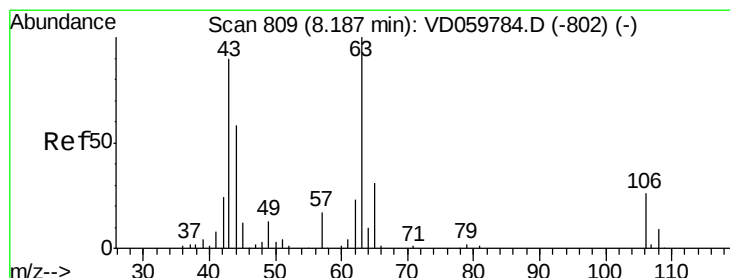
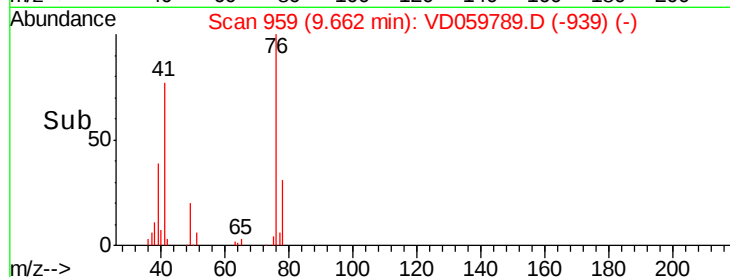
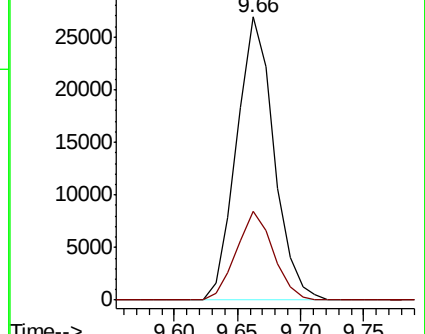
76 100

78 31.3 26.4 39.6



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: 113.02 ug/l

RT: 8.19 min Scan# 809

Delta R.T. -0.00 min

Lab File: VD059789.D

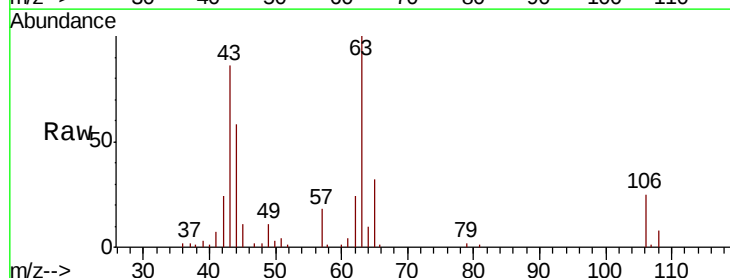
Acq: 15 Aug 2018 4:09

Tgt Ion: 63 Resp: 112927

Ion Ratio Lower Upper

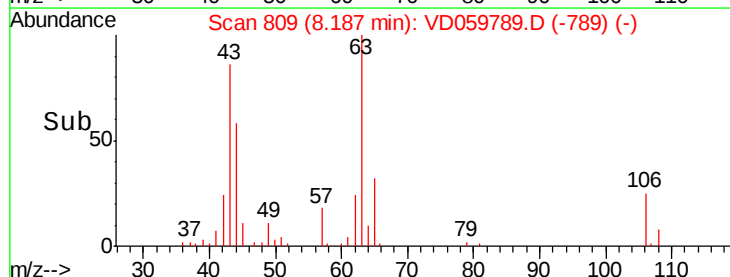
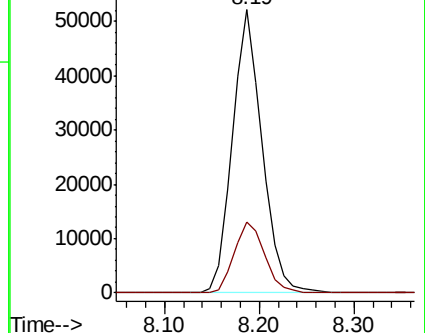
63 100

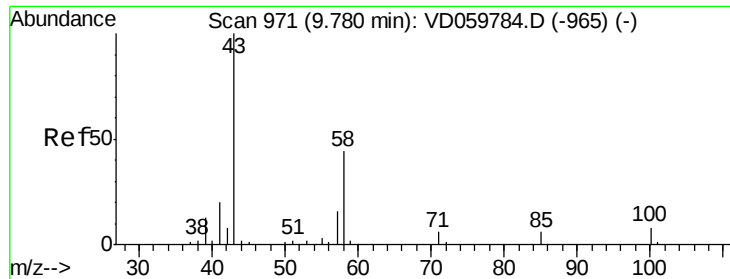
106 25.3 21.1 31.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

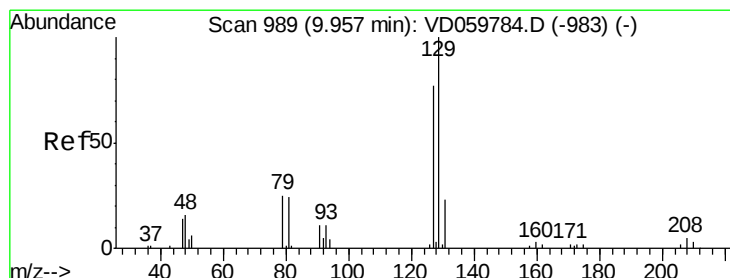
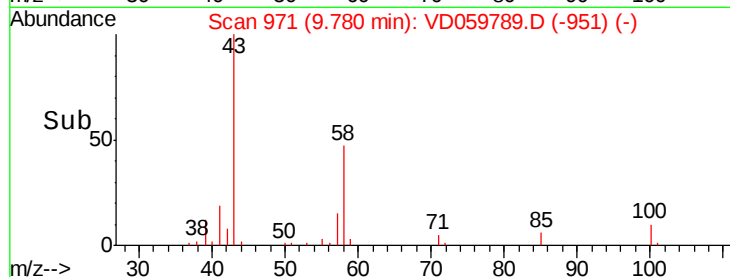
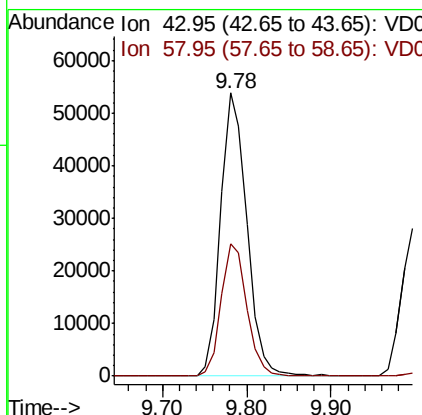
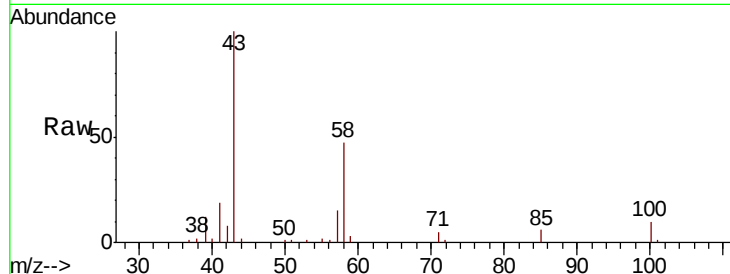




#59
2-Hexanone
Concen: 91.40 ug/l
RT: 9.78 min Scan# 971
Delta R.T. -0.00 min
Lab File: VD059789.D
Acq: 15 Aug 2018 4:09

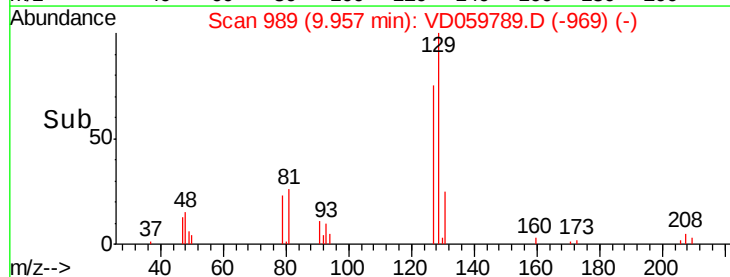
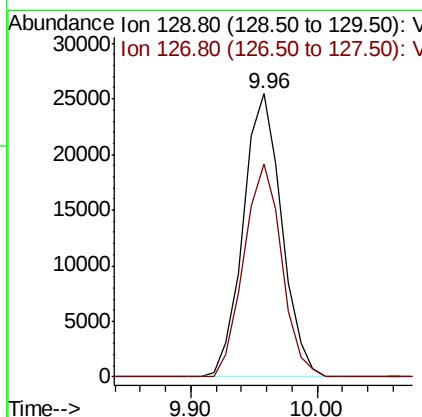
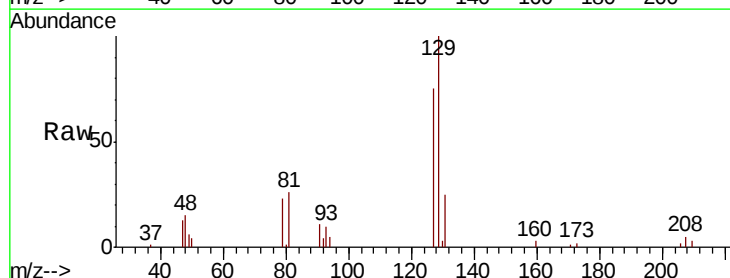
Instrument :
MSVOA_D
ClientSampleId :
VD0815SBS01

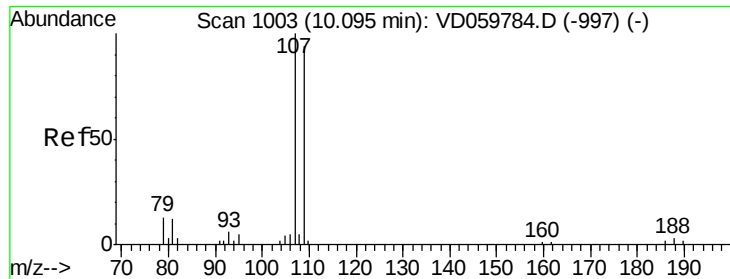
Tot Ion: 43 Resp: 116431
Ion Ratio Lower Upper
43 100
58 46.6 22.3 66.8



#60
Dibromochloromethane
Concen: 19.88 ug/l
RT: 9.96 min Scan# 989
Delta R.T. -0.00 min
Lab File: VD059789.D
Acq: 15 Aug 2018 4:09

Tgt Ion: 129 Resp: 53876
Ion Ratio Lower Upper
129 100
127 75.1 38.4 115.1





#61

1,2-Dibromoethane

Concen: 20.05 ug/l

RT: 10.10 min Scan# 1003

Delta R.T. -0.00 min

Lab File: VD059789.D

Acq: 15 Aug 2018 4:09

Instrument :

MSVOA_D

ClientSampleId :

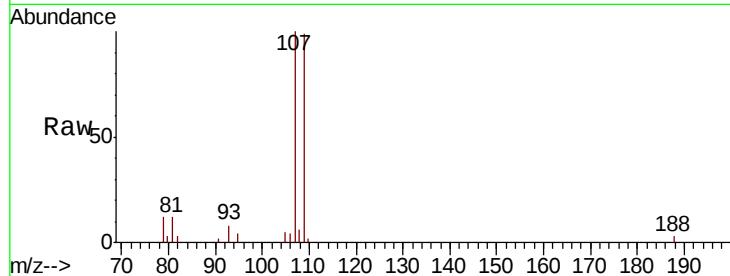
VD0815SBS01

Tot Ion:107 Resp: 41450

Ion Ratio Lower Upper

107 100

109 99.4 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.10

20000

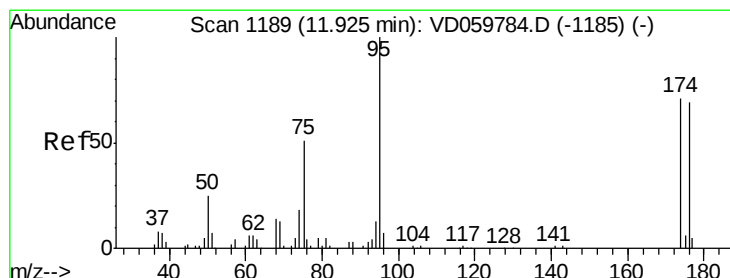
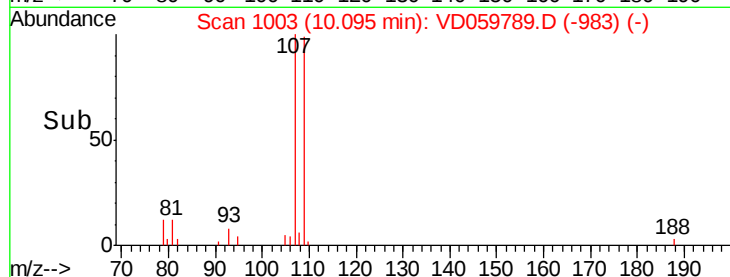
15000

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 20.05 ug/l

RT: 11.92 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VD059789.D

Acq: 15 Aug 2018 4:09

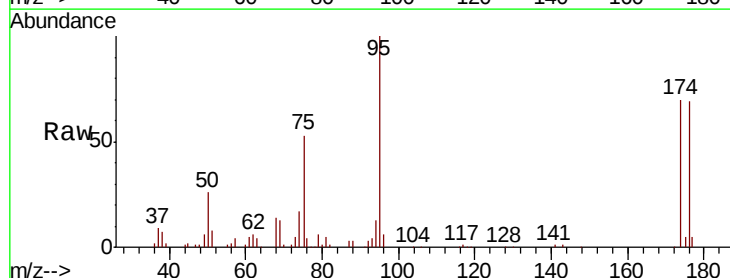
Tgt Ion: 95 Resp: 173101

Ion Ratio Lower Upper

95 100

174 69.9 0.0 142.2

176 68.5 0.0 137.4



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

11.92

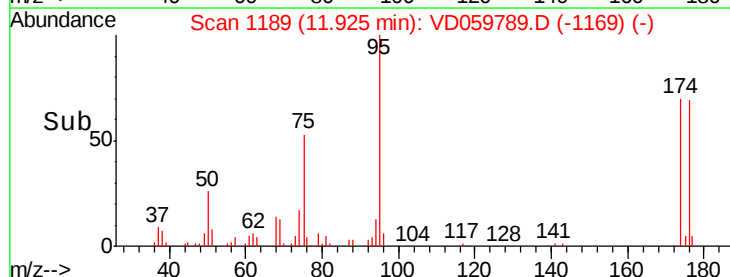
150000

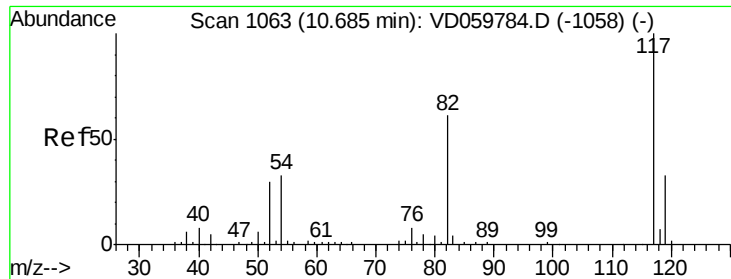
100000

50000

0

Time-->

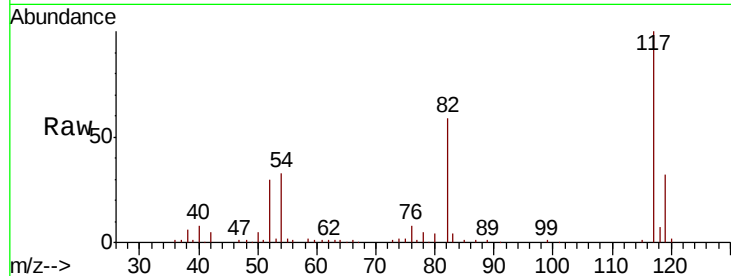




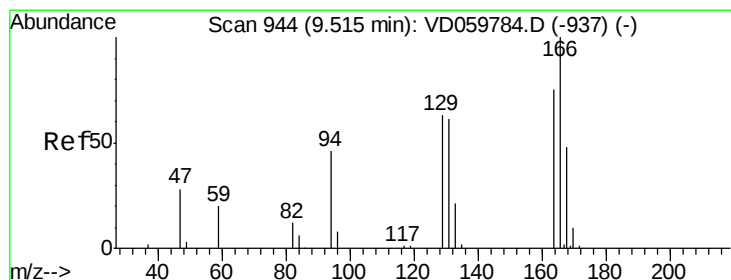
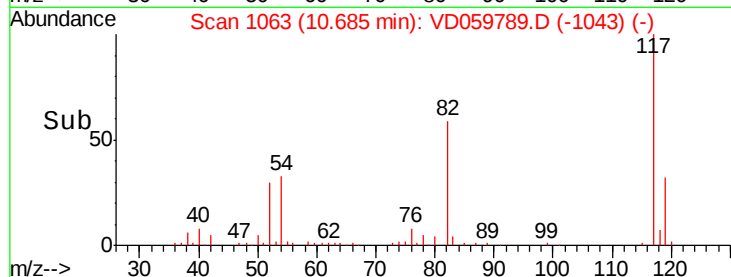
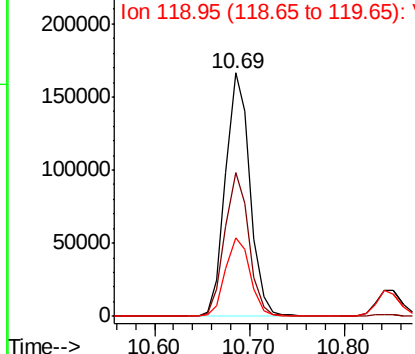
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VD059789.D
Acq: 15 Aug 2018 4:09

Instrument :
MSVOA_D
ClientSampleId :
VD0815SBS01

Tot Ion:117 Resp: 298681
Ion Ratio Lower Upper
117 100
82 59.3 49.0 73.6
119 32.2 26.2 39.2

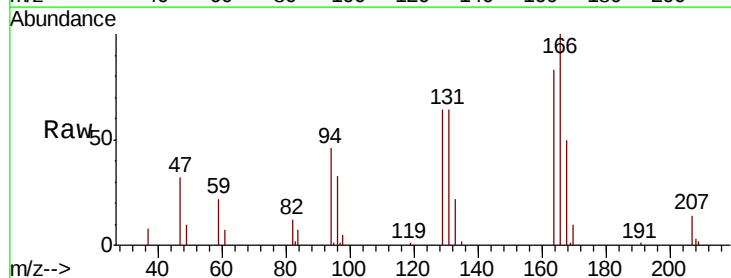


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

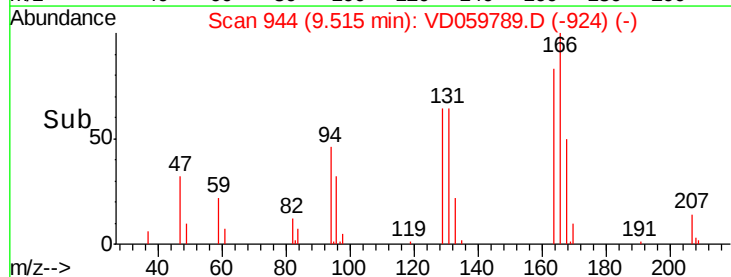
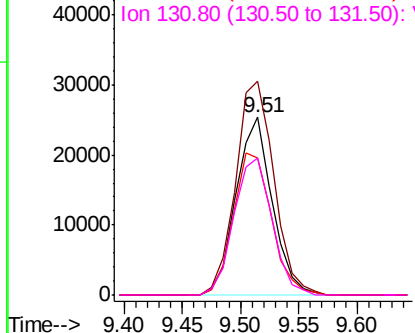


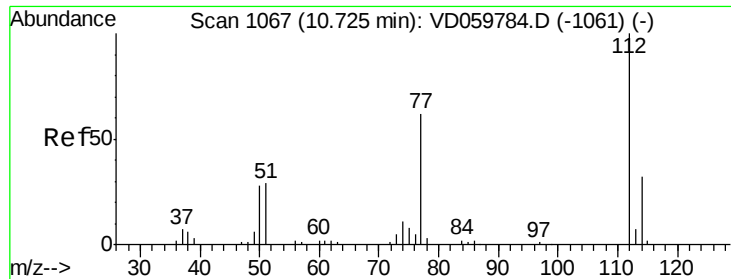
#64
Tetrachloroethene
Concen: 21.21 ug/l
RT: 9.51 min Scan# 944
Delta R.T. -0.00 min
Lab File: VD059789.D
Acq: 15 Aug 2018 4:09

Tgt Ion:164 Resp: 54557
Ion Ratio Lower Upper
164 100
166 120.2 106.8 160.2
129 77.0 67.2 100.8
131 77.1 64.7 97.1



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

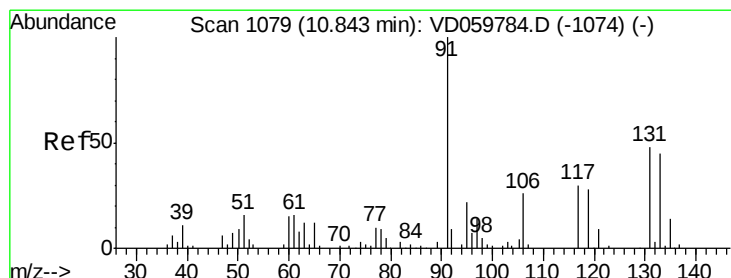
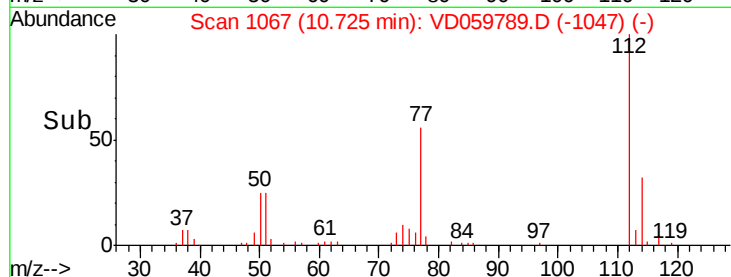
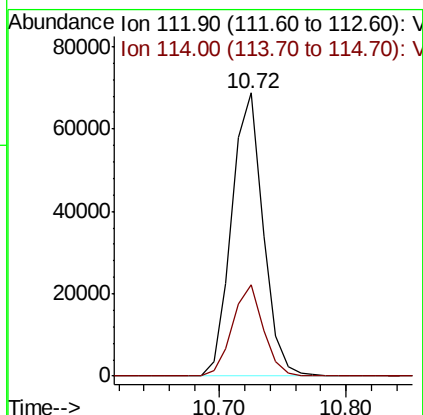
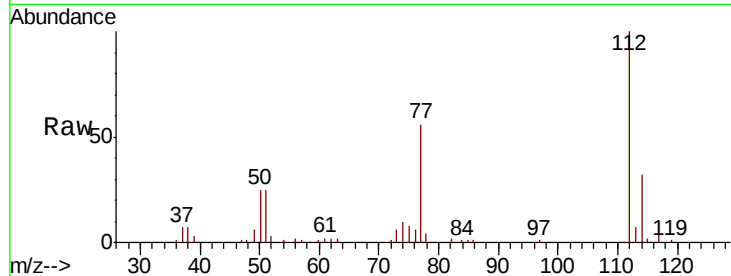




#65
Chlorobenzene
Concen: 19.49 ug/l
RT: 10.72 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VD059789.D
Acq: 15 Aug 2018 4:09

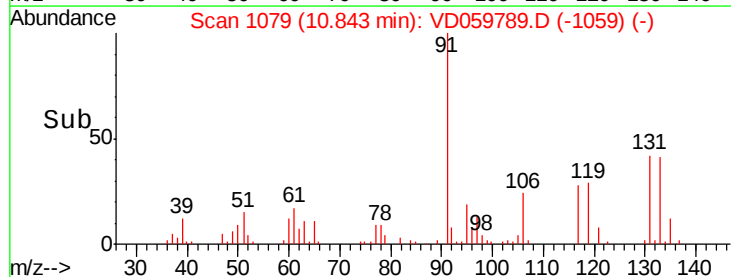
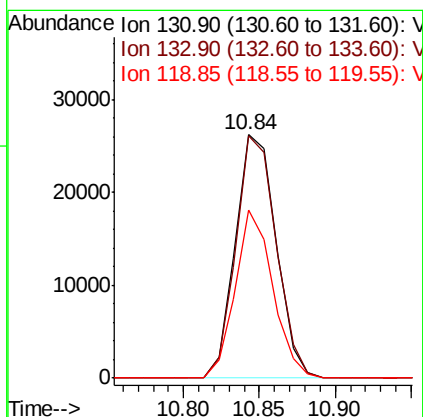
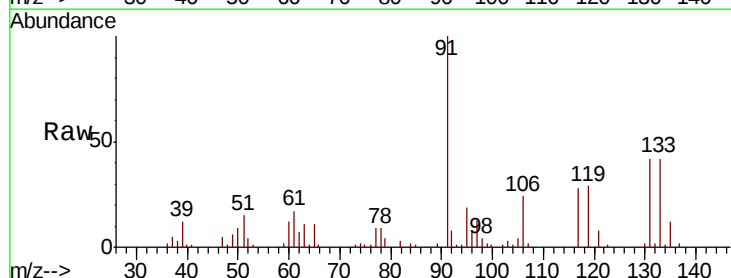
Instrument :
MSVOA_D
ClientSampleId :
VD0815SBS01

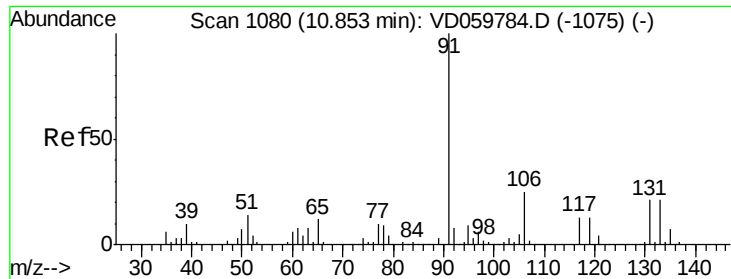
Tot Ion:112 Resp: 117866
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.10 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. -0.00 min
Lab File: VD059789.D
Acq: 15 Aug 2018 4:09

Tgt Ion:131 Resp: 49007
Ion Ratio Lower Upper
131 100
133 99.3 47.0 141.0
119 69.0 29.0 87.1

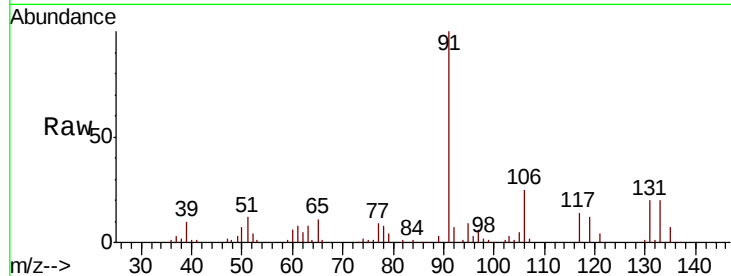




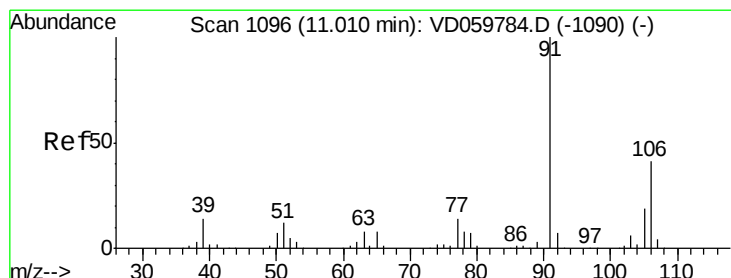
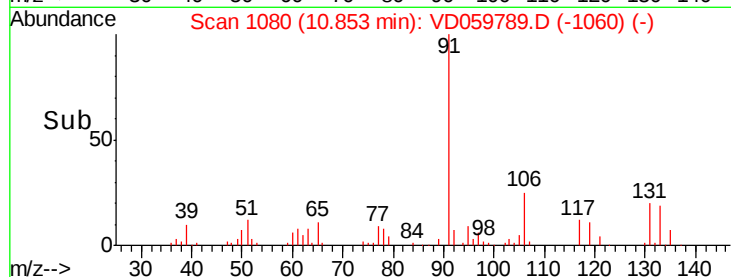
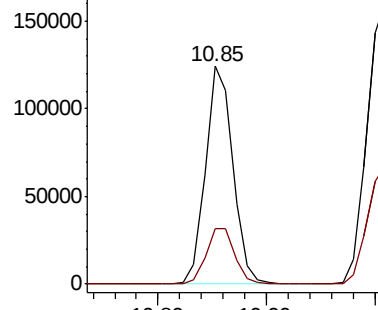
#67
Ethyl Benzene
Concen: 20.97 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VD059789.D
Acq: 15 Aug 2018 4:09

Instrument :
MSVOA_D
ClientSampleId :
VD0815SBS01

Tot Ion: 91 Resp: 218438
Ion Ratio Lower Upper
91 100
106 25.5 20.1 30.1

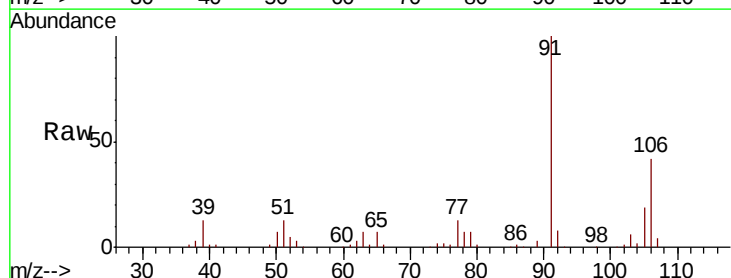


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

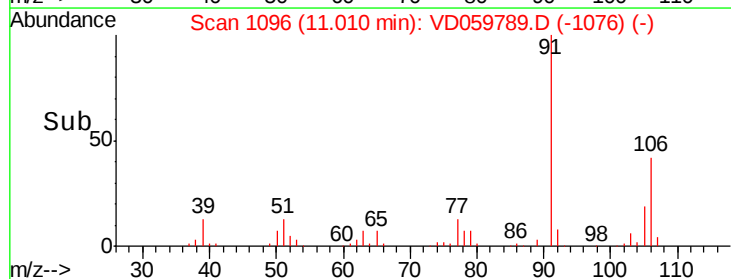
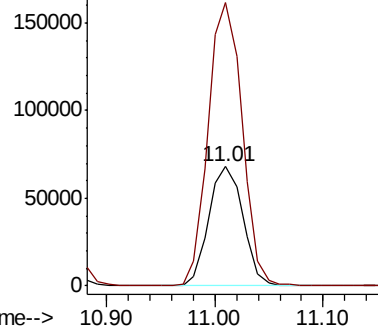


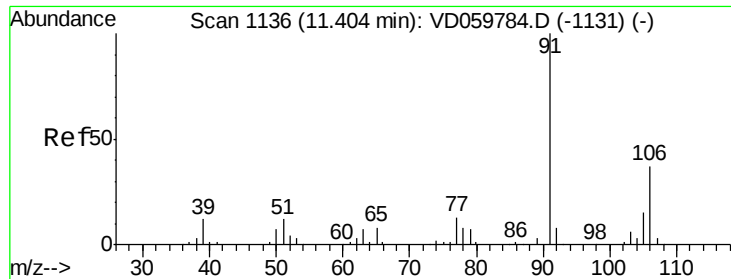
#68
m/p-Xylenes
Concen: 42.40 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VD059789.D
Acq: 15 Aug 2018 4:09

Tgt Ion: 106 Resp: 149652
Ion Ratio Lower Upper
106 100
91 237.5 197.4 296.0



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

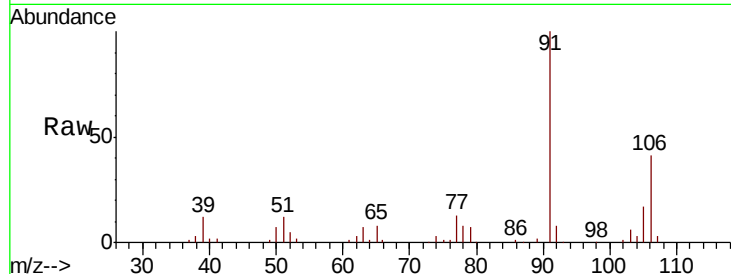




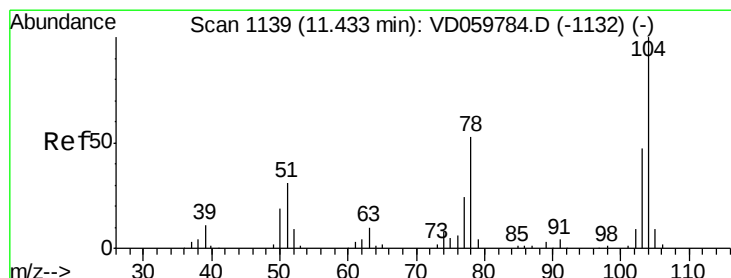
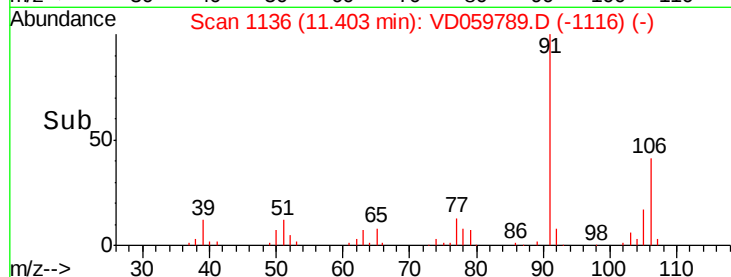
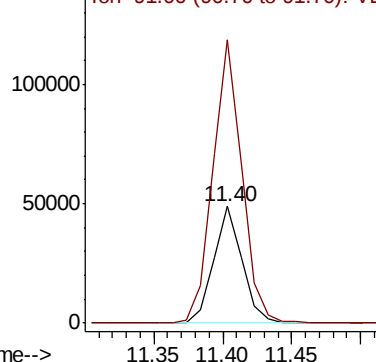
#69
o-Xylene
Concen: 20.82 ug/l
RT: 11.40 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VD059789.D
Acq: 15 Aug 2018 4:09

Instrument :
MSVOA_D
ClientSampleId :
VD0815SBS01

Tot Ion:106 Resp: 70559
Ion Ratio Lower Upper
106 100
91 242.6 133.7 401.1

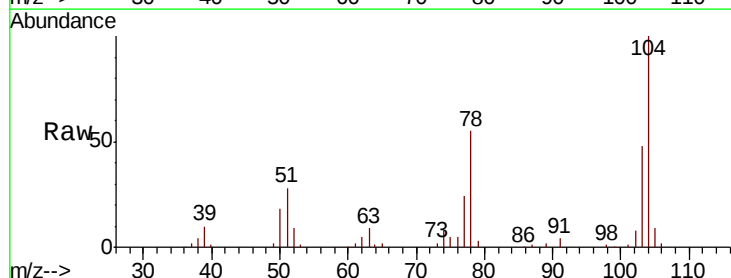


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

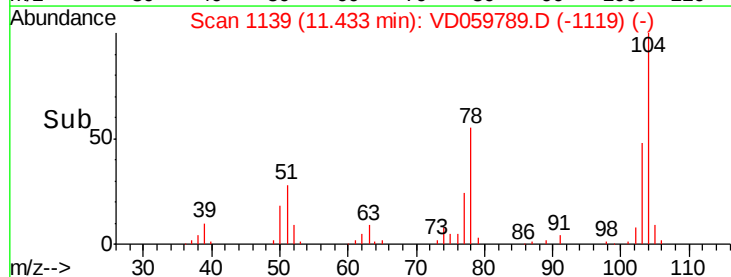
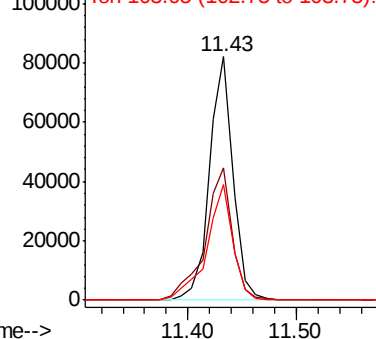


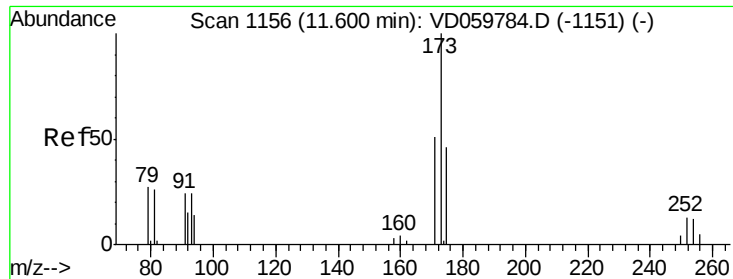
#70
Styrene
Concen: 20.53 ug/l
RT: 11.43 min Scan# 1139
Delta R.T. -0.00 min
Lab File: VD059789.D
Acq: 15 Aug 2018 4:09

Tgt Ion:104 Resp: 123355
Ion Ratio Lower Upper
104 100
78 54.6 42.6 64.0
103 47.5 37.8 56.6



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

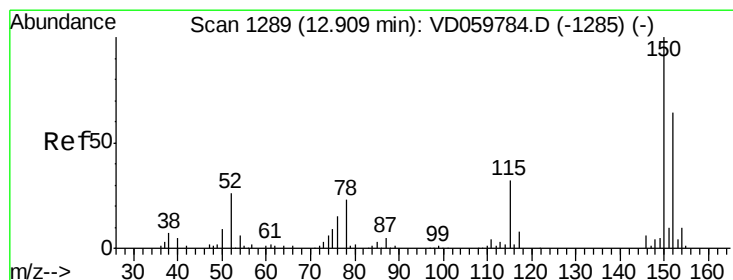
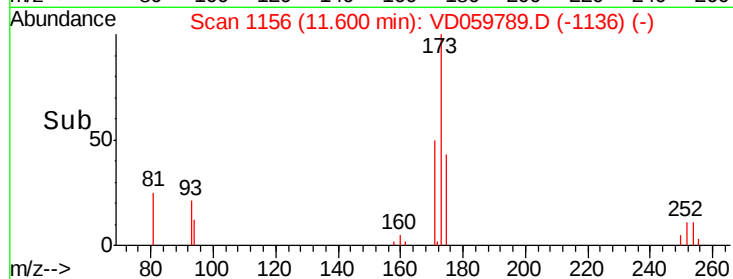
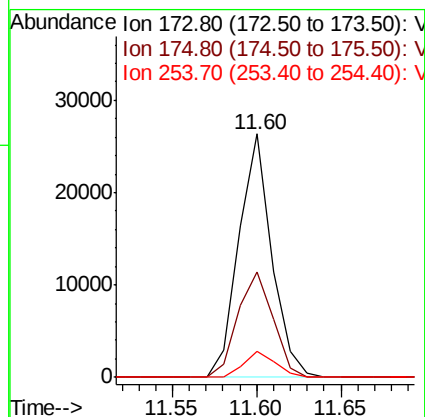
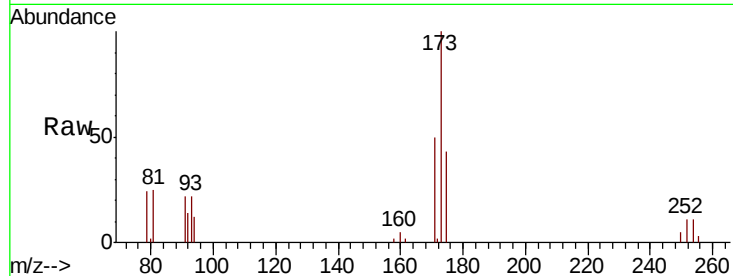




#71
Bromoform
Concen: 20.12 ug/l
RT: 11.60 min Scan# 1156
Delta R.T. -0.00 min
Lab File: VD059789.D
Acq: 15 Aug 2018 4:09

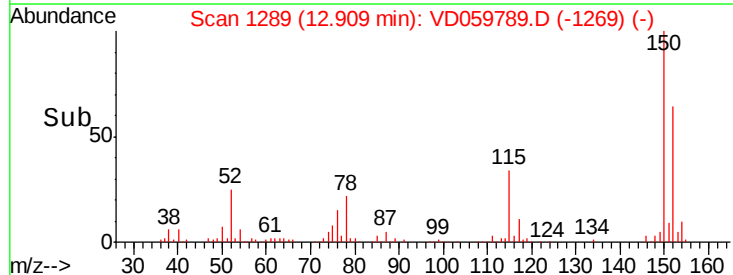
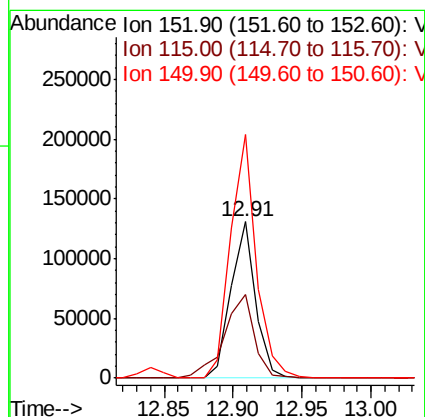
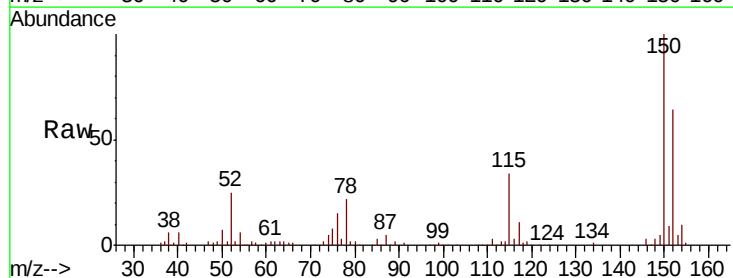
Instrument :
MSVOA_D
ClientSampleId :
VD0815SBS01

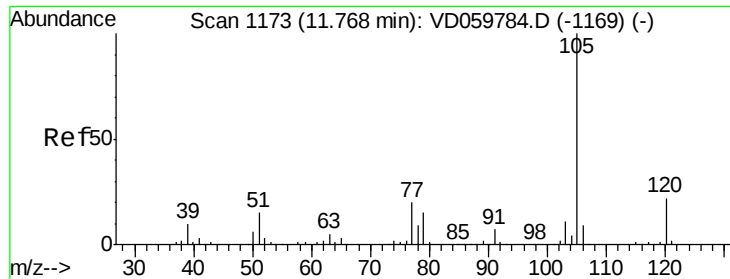
Tot Ion:173 Resp: 35649
Ion Ratio Lower Upper
173 100
175 43.1 23.1 69.2
254 10.9 9.7 14.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VD059789.D
Acq: 15 Aug 2018 4:09

Tgt Ion:152 Resp: 162257
Ion Ratio Lower Upper
152 100
115 53.2 27.2 81.5
150 156.0 0.0 312.4

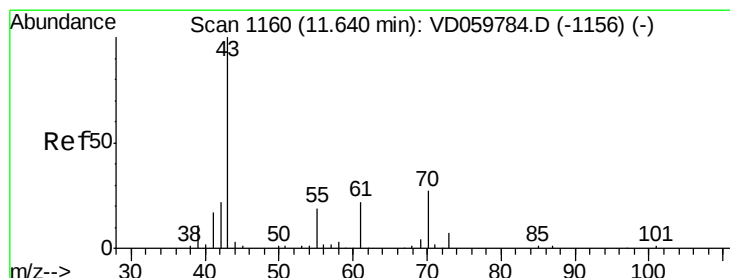
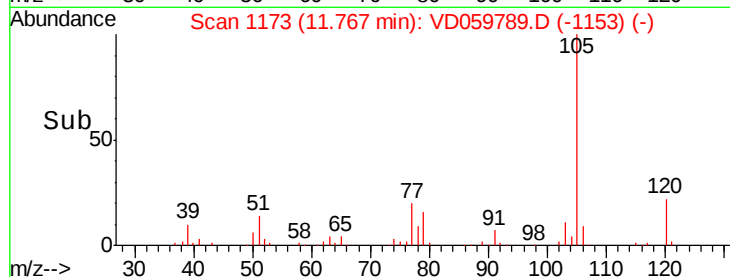
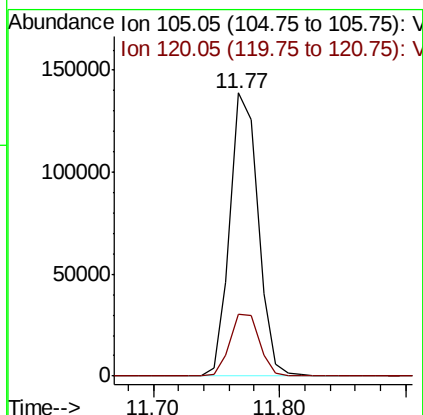
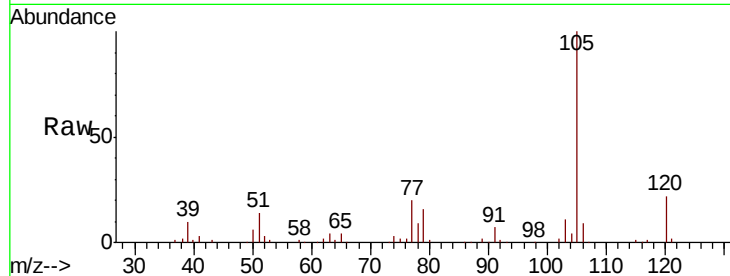




#73
Isopropylbenzene
Concen: 20.89 ug/l
RT: 11.77 min Scan# 1173
Delta R.T. -0.00 min
Lab File: VD059789.D
Acq: 15 Aug 2018 4:09

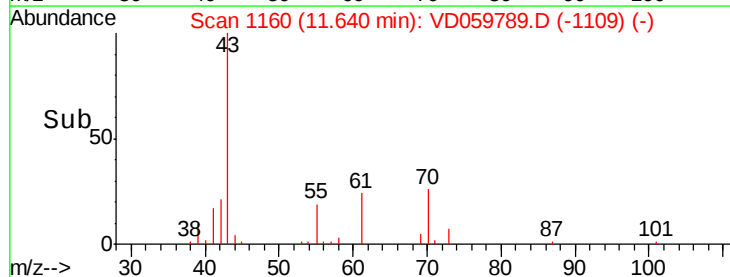
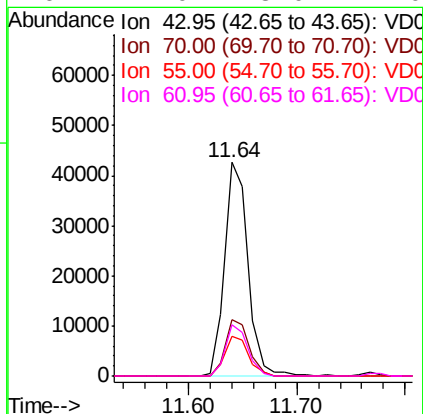
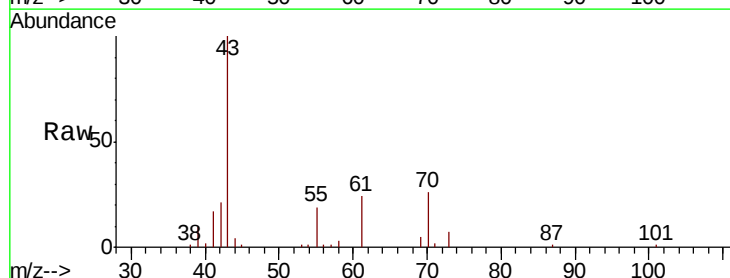
Instrument :
MSVOA_D
ClientSampleId :
VD0815SBS01

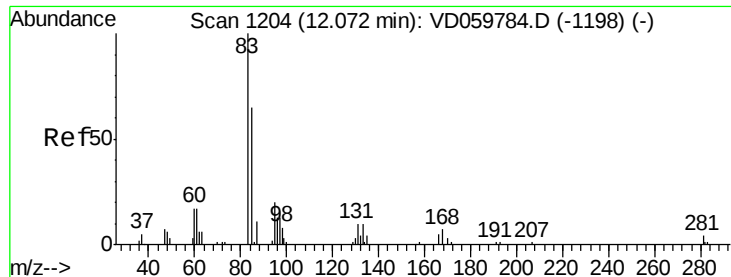
Tot Ion:105 Resp: 214664
Ion Ratio Lower Upper
105 100
120 21.7 10.9 32.6



#74
N-ethyl acetate
Concen: 20.42 ug/l
RT: 11.64 min Scan# 1160
Delta R.T. -0.00 min
Lab File: VD059789.D
Acq: 15 Aug 2018 4:09

Tgt Ion: 43 Resp: 64330
Ion Ratio Lower Upper
43 100
70 26.4 21.8 32.6
55 18.8 15.1 22.7
61 24.0 18.0 27.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.06 ug/l

RT: 12.07 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VD059789.D

Acq: 15 Aug 2018 4:09

Instrument :

MSVOA_D

ClientSampleId :

VD0815SBS01

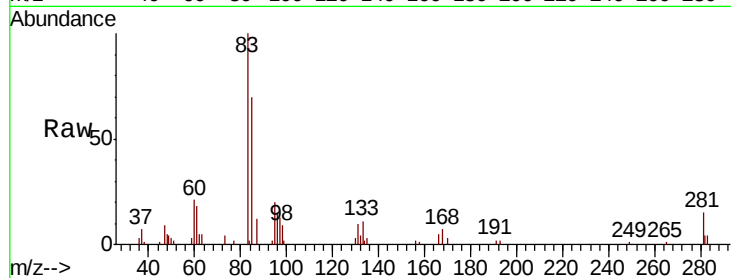
Tot Ion: 83 Resp: 41843

Ion Ratio Lower Upper

83 100

131 9.6 5.0 15.0

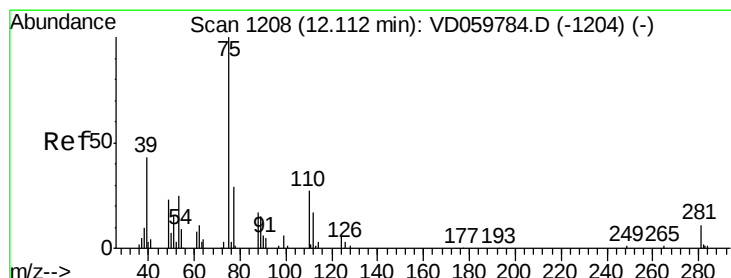
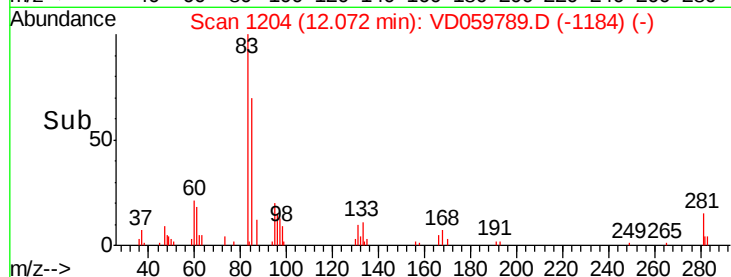
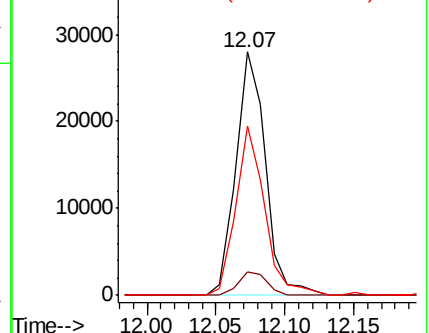
85 69.6 32.8 98.3



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: 21.00 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VD059789.D

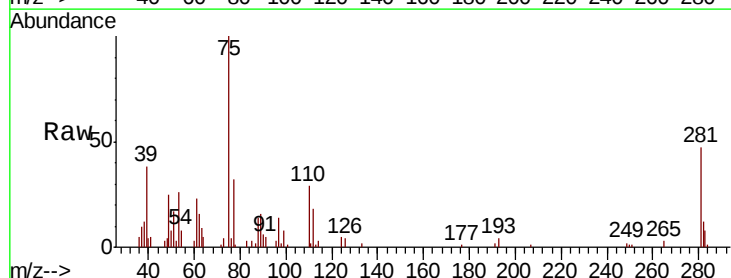
Acq: 15 Aug 2018 4:09

Tgt Ion: 75 Resp: 48338

Ion Ratio Lower Upper

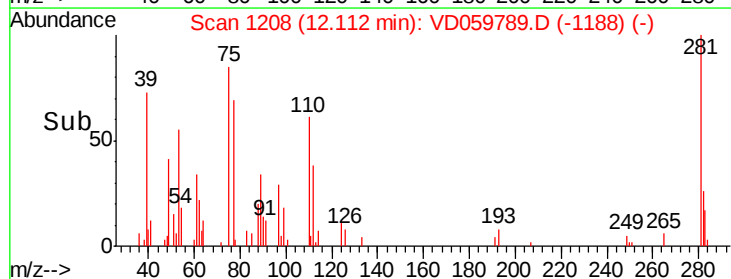
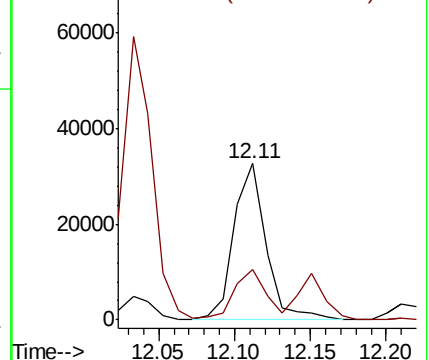
75 100

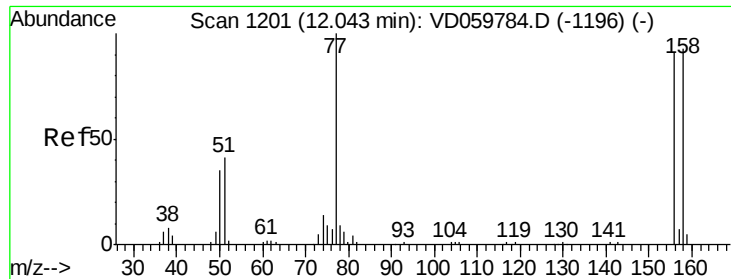
77 32.3 16.2 48.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.04 ug/l

RT: 12.04 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VD059789.D

Acq: 15 Aug 2018 4:09

Instrument :

MSVOA_D

ClientSampleId :

VD0815SBS01

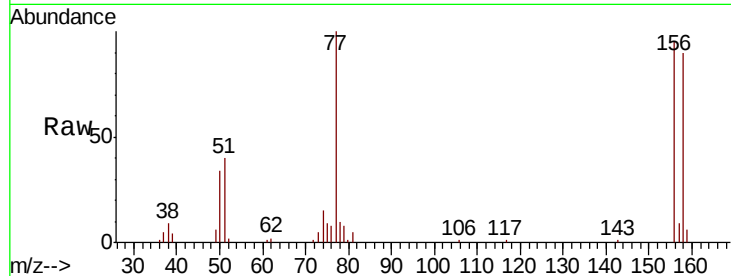
Tot Ion:156 Resp: 61780

Ion Ratio Lower Upper

156 100

77 105.4 54.9 164.8

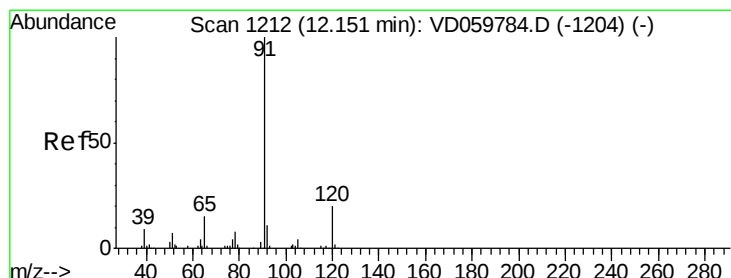
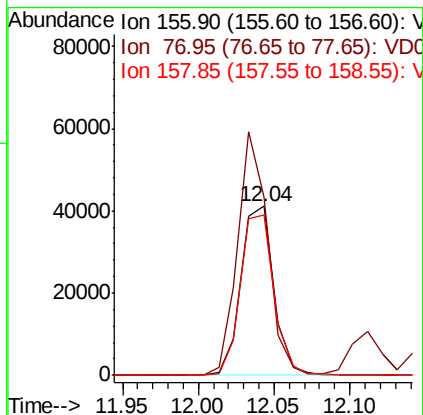
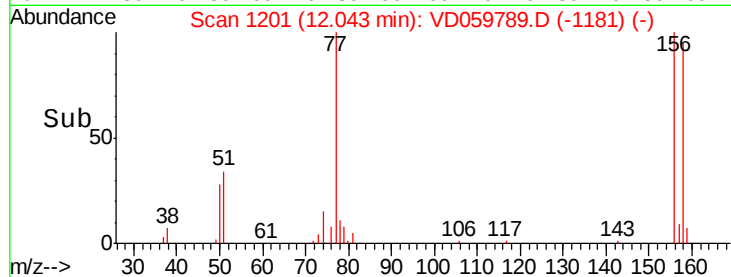
158 94.8 51.2 153.6



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: 20.44 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VD059789.D

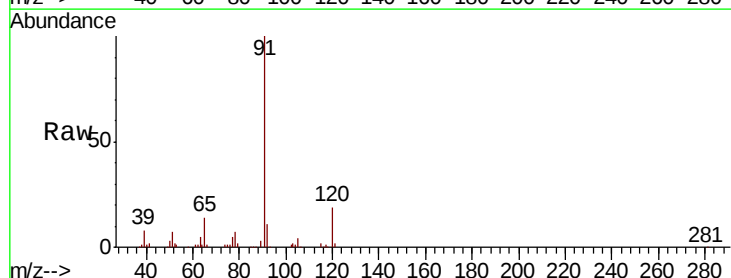
Acq: 15 Aug 2018 4:09

Tgt Ion: 91 Resp: 261891

Ion Ratio Lower Upper

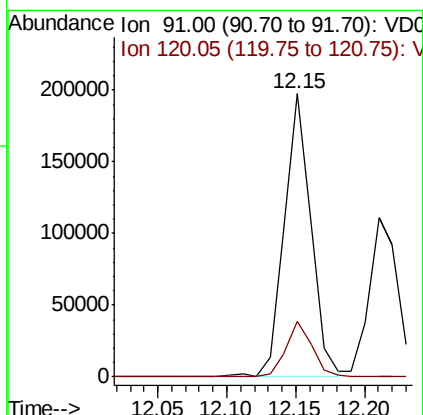
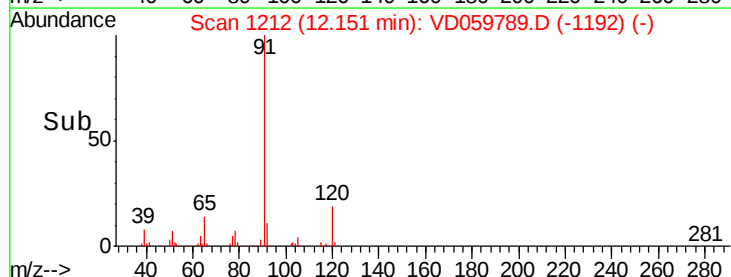
91 100

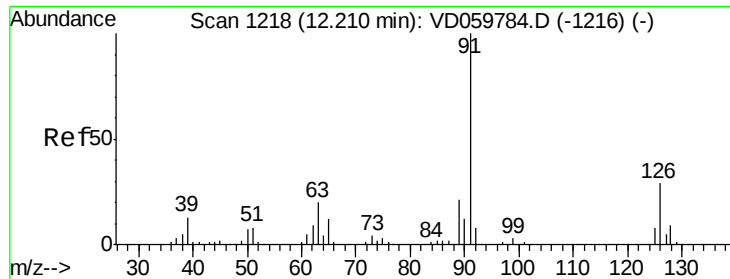
120 19.4 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

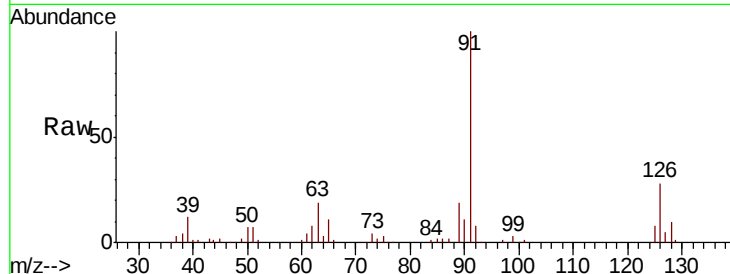




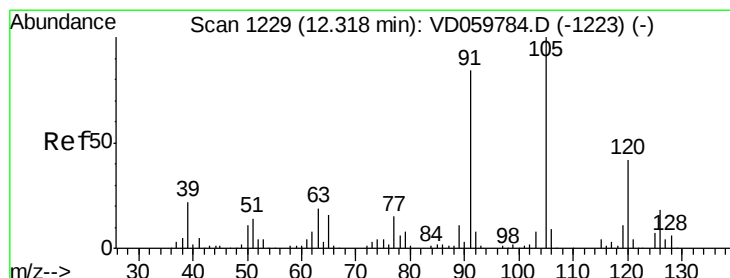
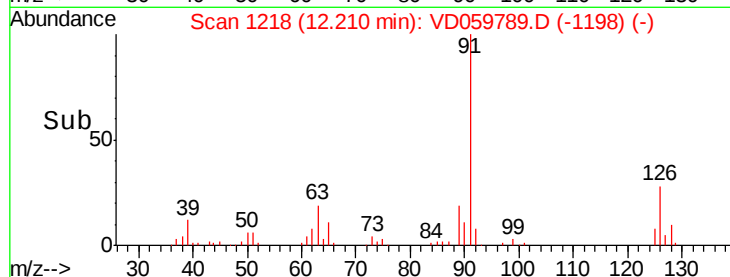
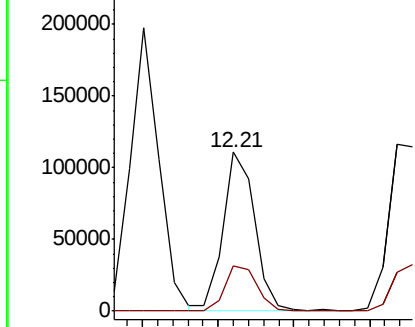
#79
 2-Chlorotoluene
 Concen: 20.76 ug/l
 RT: 12.21 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VD059789.D
 Acq: 15 Aug 2018 4:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0815SBS01

Tot Ion: 91 Resp: 160421
 Ion Ratio Lower Upper
 91 100
 126 28.3 14.0 41.9

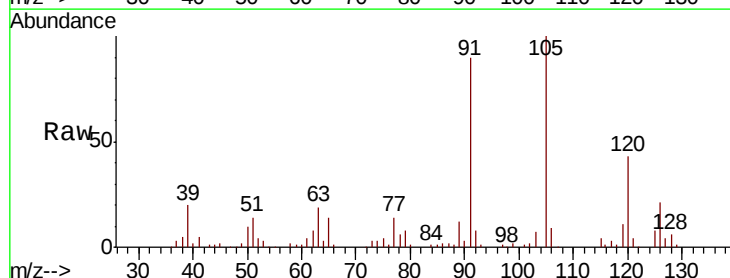


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

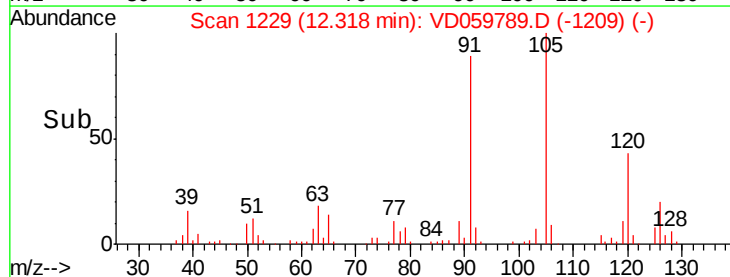
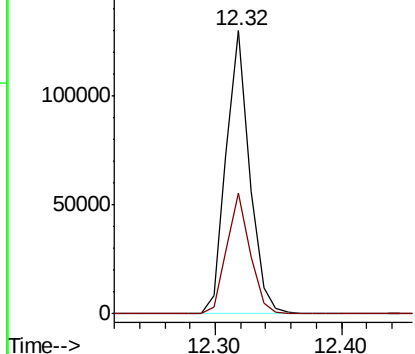


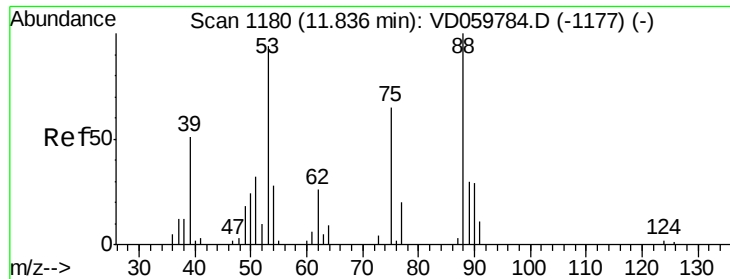
#80
 1,3,5-Trimethylbenzene
 Concen: 20.30 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VD059789.D
 Acq: 15 Aug 2018 4:09

Tgt Ion:105 Resp: 167034
 Ion Ratio Lower Upper
 105 100
 120 42.6 20.8 62.5



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: 20.92 ug/l

RT: 11.84 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD059789.D

Acq: 15 Aug 2018 4:09

Instrument :

MSVOA_D

ClientSampleId :

VD0815SBS01

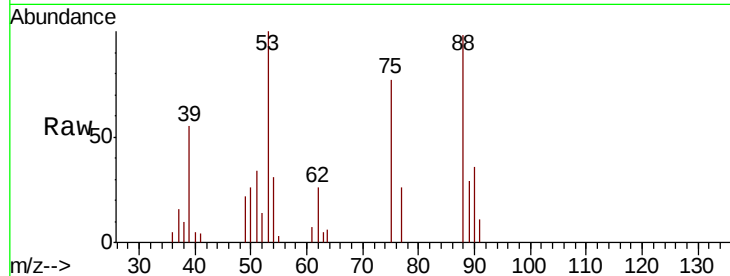
Tot Ion: 75 Resp: 11267

Ion Ratio Lower Upper

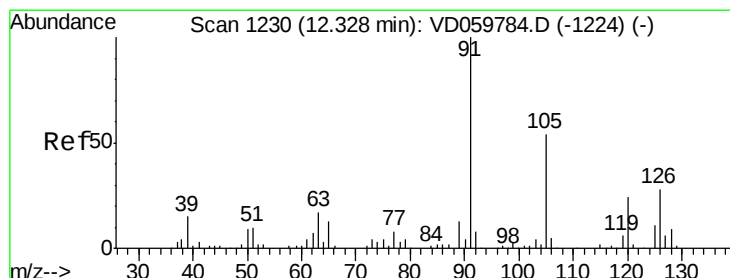
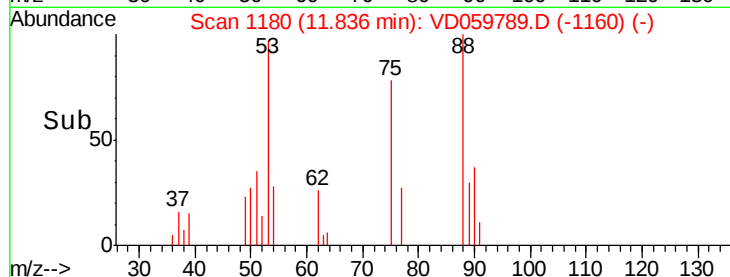
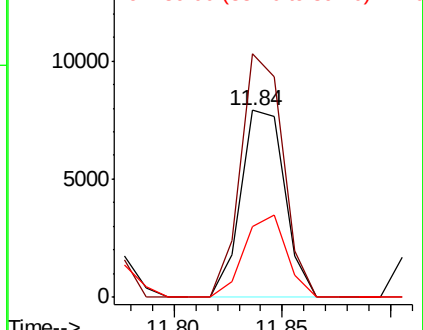
75 100

53 130.3 116.2 174.2

89 38.1 37.0 55.6



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# 1229

Delta R.T. -0.01 min

Lab File: VD059789.D

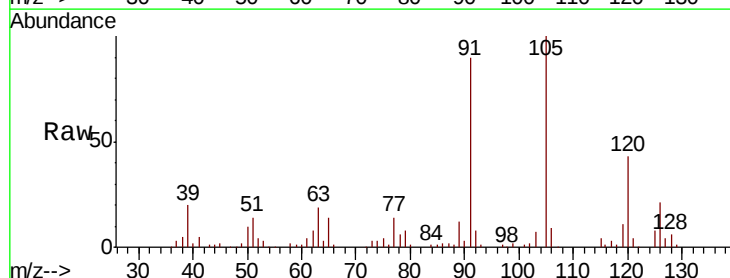
Acq: 15 Aug 2018 4:09

Tgt Ion: 91 Resp: 182087

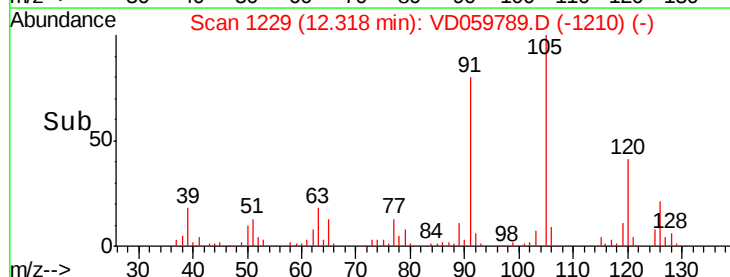
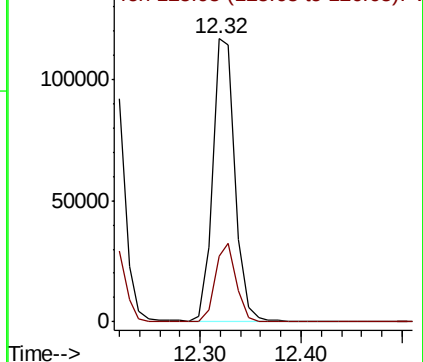
Ion Ratio Lower Upper

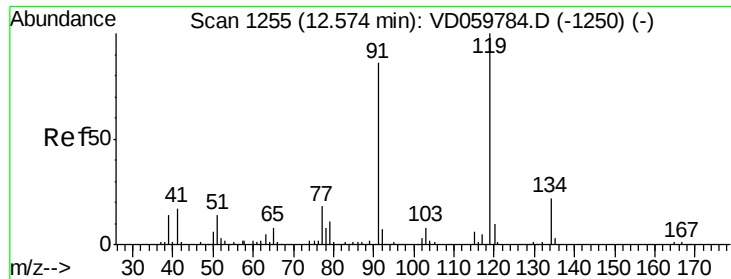
91 100

126 23.1 13.9 41.7



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

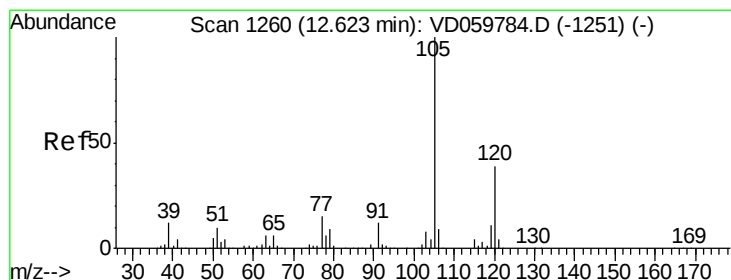
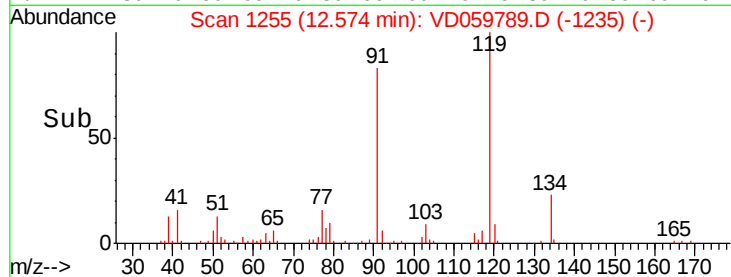
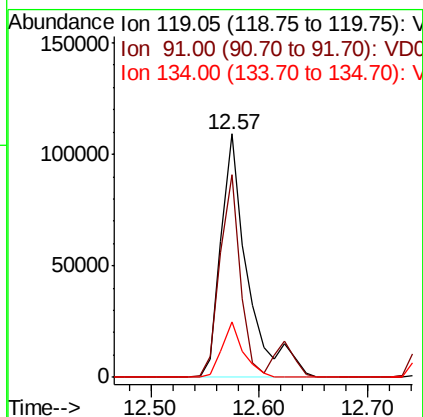
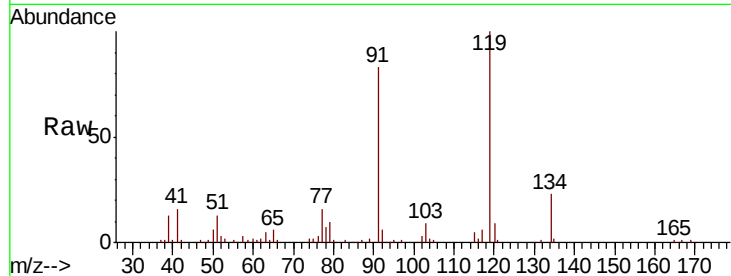




#83
 tert-Butylbenzene
 Concen: 20.57 ug/l
 RT: 12.57 min Scan# 1255
 Delta R.T. -0.00 min
 Lab File: VD059789.D
 Acq: 15 Aug 2018 4:09

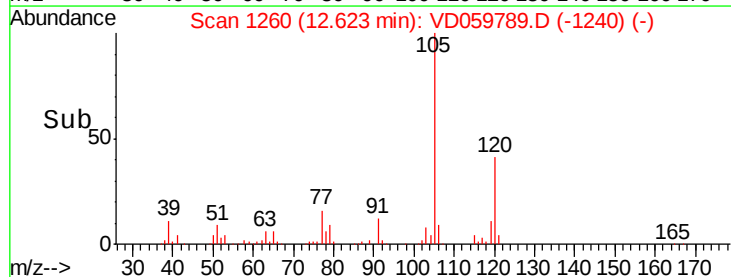
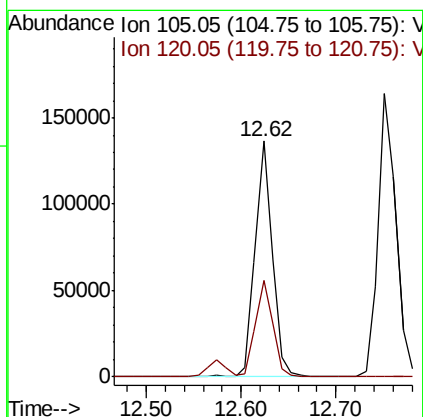
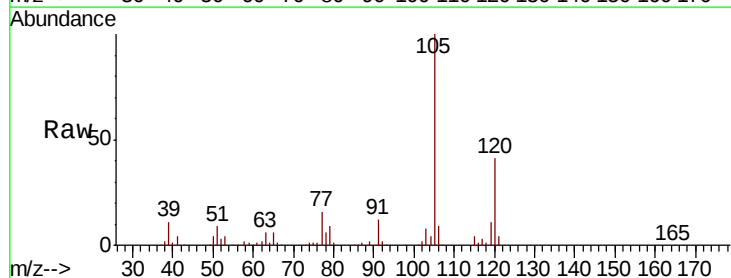
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0815SBS01

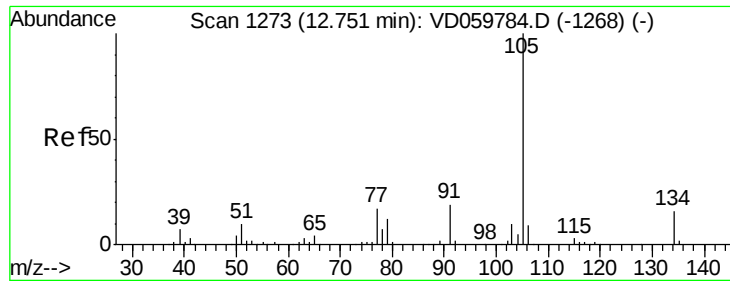
Tot Ion:119 Resp: 186945
 Ion Ratio Lower Upper
 119 100
 91 83.1 43.1 129.3
 134 22.7 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 19.56 ug/l
 RT: 12.62 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VD059789.D
 Acq: 15 Aug 2018 4:09

Tgt Ion:105 Resp: 173372
 Ion Ratio Lower Upper
 105 100
 120 40.7 19.6 58.8

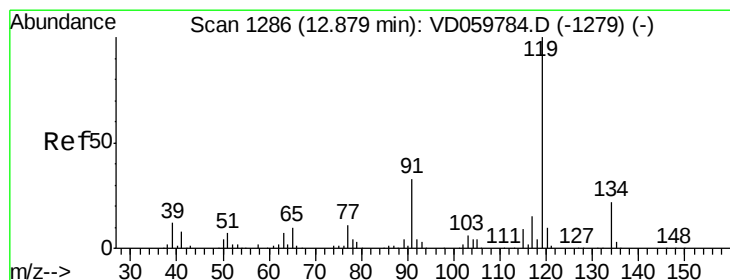
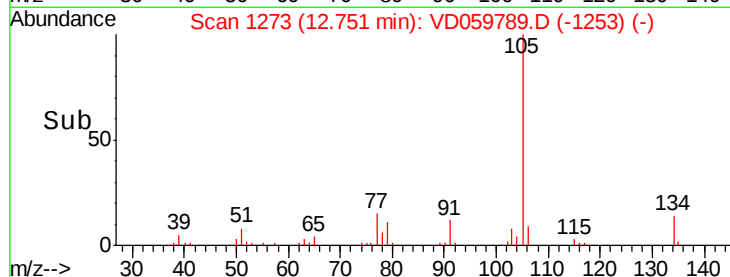
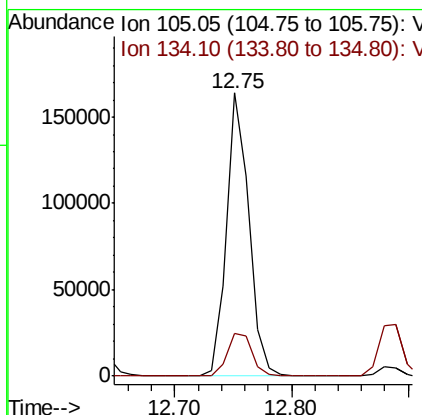
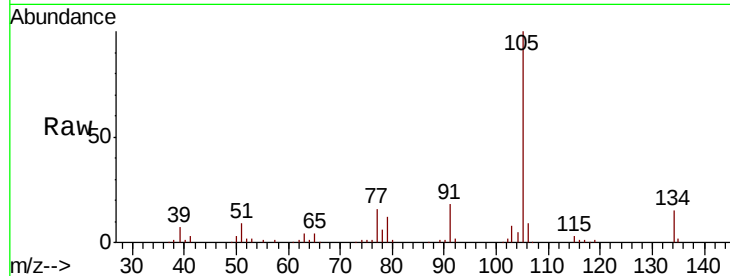




#85
 sec-Butylbenzene
 Concen: 20.66 ug/l
 RT: 12.75 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VD059789.D
 Acq: 15 Aug 2018 4:09

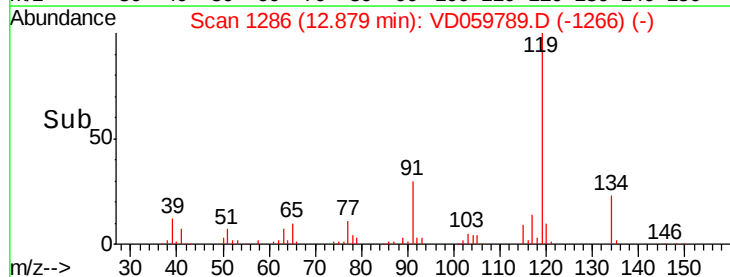
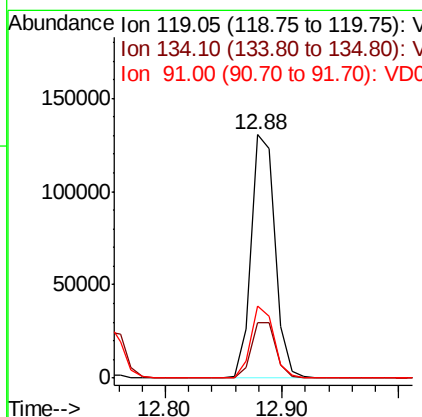
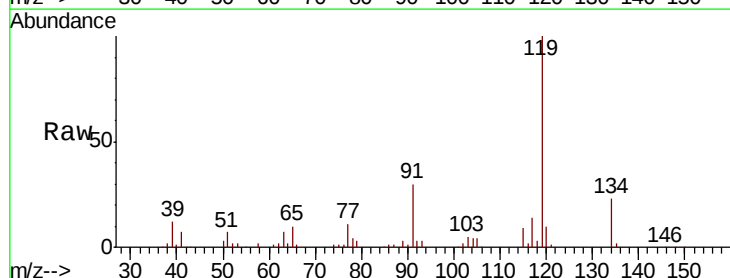
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0815SBS01

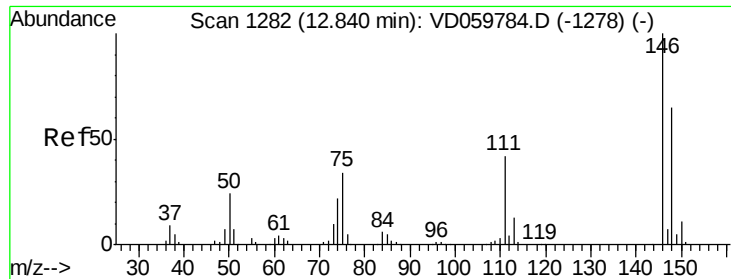
Tot Ion:105 Resp: 217655
 Ion Ratio Lower Upper
 105 100
 134 15.3 8.2 24.4



#86
 p-Isopropyltoluene
 Concen: 21.02 ug/l
 RT: 12.88 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VD059789.D
 Acq: 15 Aug 2018 4:09

Tgt Ion:119 Resp: 185309
 Ion Ratio Lower Upper
 119 100
 134 22.6 10.9 32.6
 91 29.8 16.4 49.4

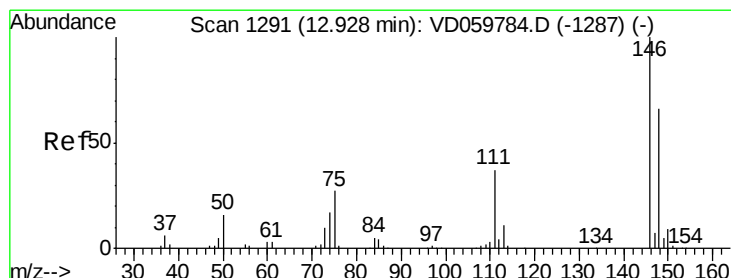
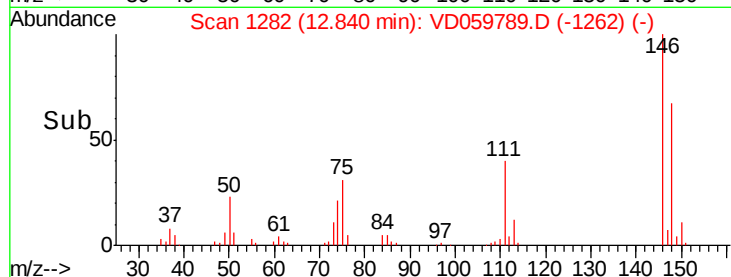
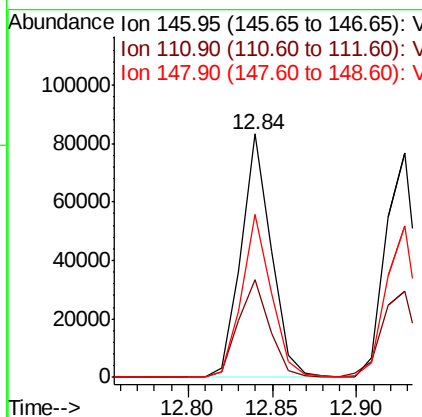
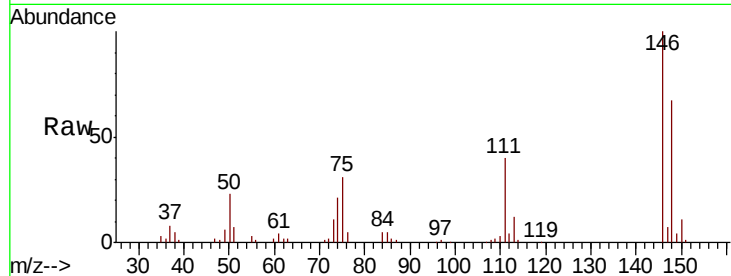




#87
 1,3-Dichlorobenzene
 Concen: 19.64 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VD059789.D
 Acq: 15 Aug 2018 4:09

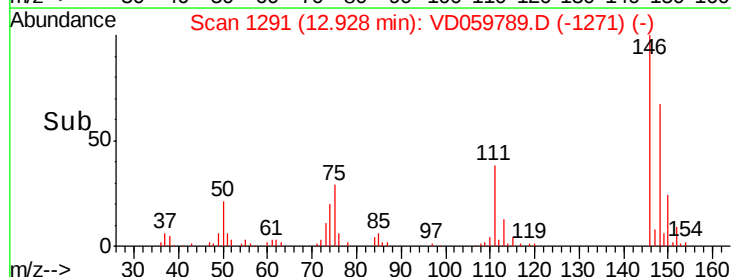
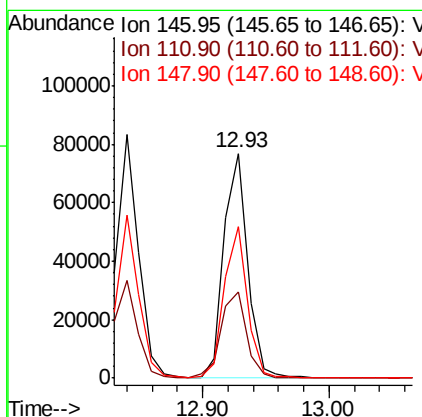
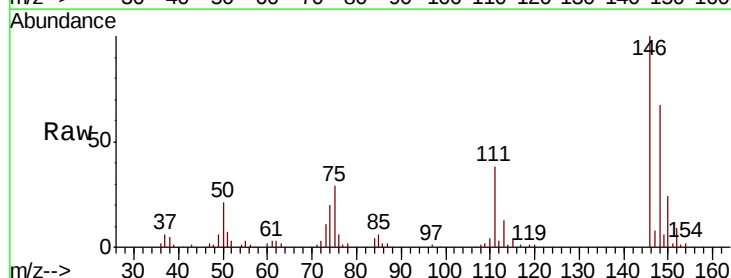
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0815SBS01

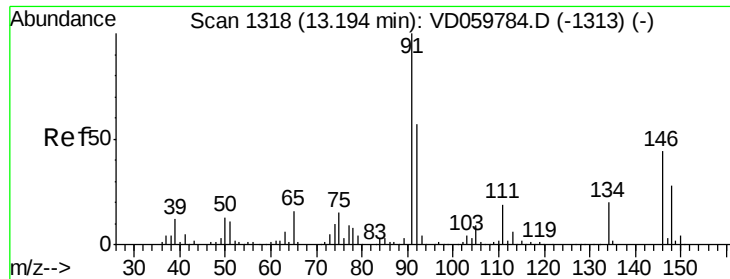
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.9	62.8
148	67.0	32.6	97.8



#88
 1,4-Dichlorobenzene
 Concen: 19.26 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VD059789.D
 Acq: 15 Aug 2018 4:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.6	55.6
148	67.4	33.0	99.0

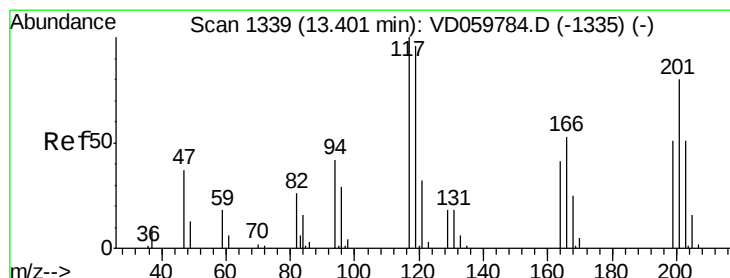
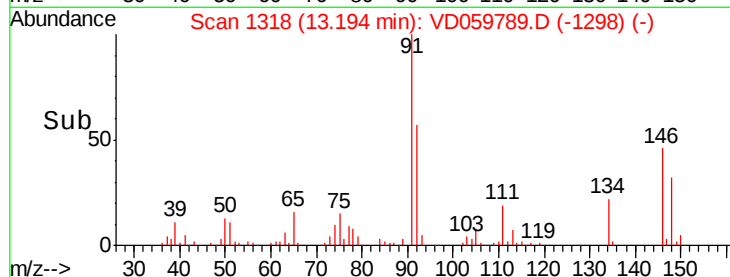
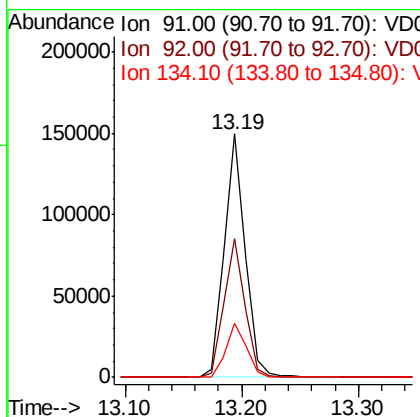
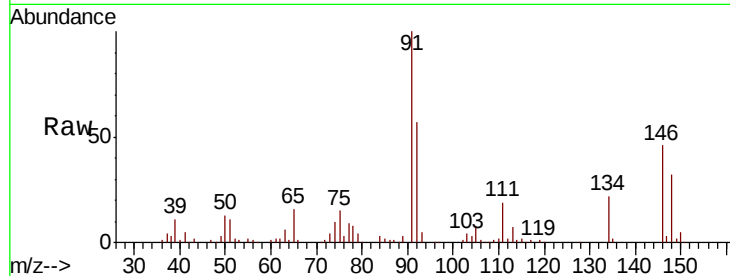




#89
n-Butylbenzene
Concen: 20.82 ug/l
RT: 13.19 min Scan# 1318
Delta R.T. -0.00 min
Lab File: VD059789.D
Acq: 15 Aug 2018 4:09

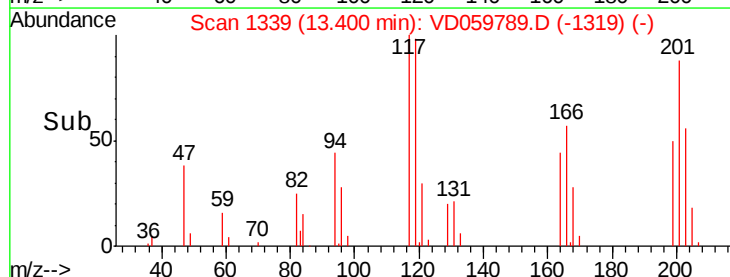
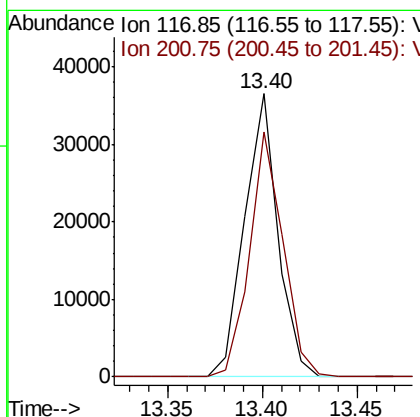
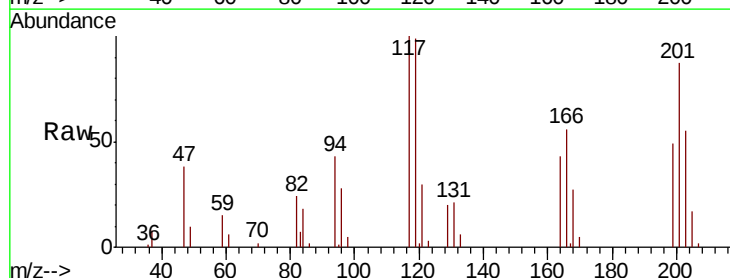
Instrument :
MSVOA_D
ClientSampleId :
VD0815SBS01

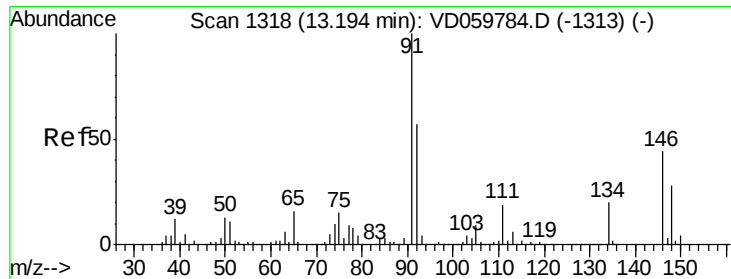
Tot Ion: 91 Resp: 185571
Ion Ratio Lower Upper
91 100
92 57.1 28.4 85.3
134 22.5 10.2 30.4



#90
Hexachloroethane
Concen: 20.06 ug/l
RT: 13.40 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VD059789.D
Acq: 15 Aug 2018 4:09

Tgt Ion: 117 Resp: 44381
Ion Ratio Lower Upper
117 100
201 86.7 39.9 119.7





#91

1,2-Dichlorobenzene

Concen: 20.68 ug/l

RT: 13.19 min Scan# 1318

Delta R.T. -0.00 min

Lab File: VD059789.D

Acq: 15 Aug 2018 4:09

Instrument :

MSVOA_D

ClientSampleId :

VD0815SBS01

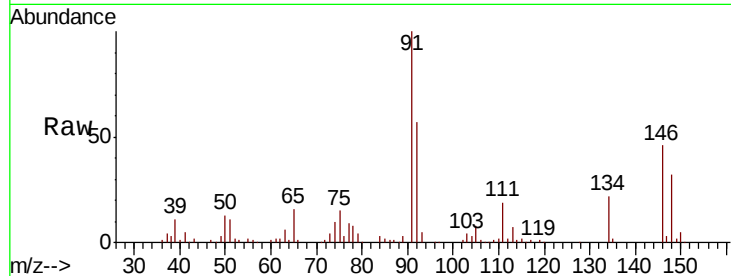
Tot Ion:146 Resp: 89547

Ion Ratio Lower Upper

146 100

111 42.2 21.1 63.1

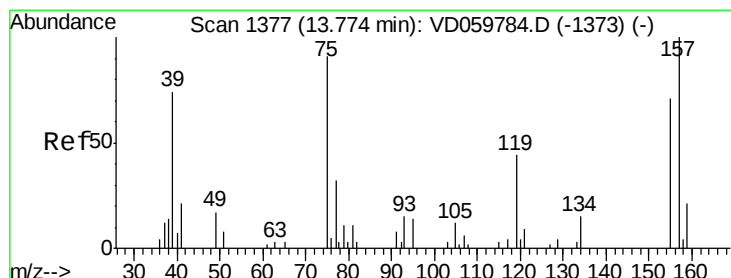
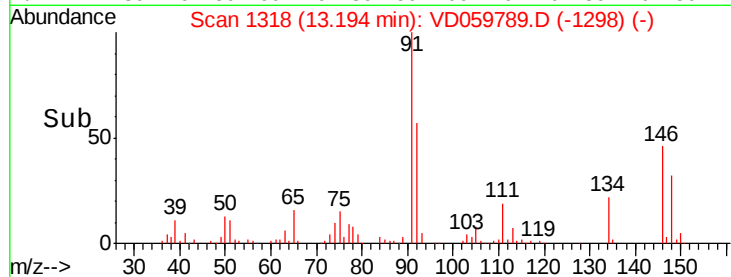
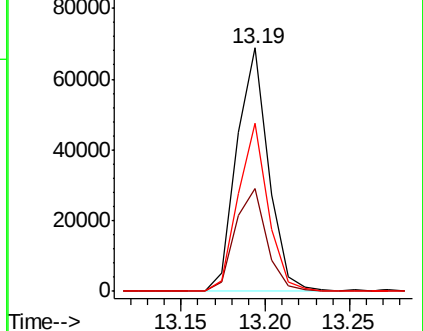
148 68.8 32.0 96.2



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: 20.42 ug/l

RT: 13.77 min Scan# 1377

Delta R.T. -0.00 min

Lab File: VD059789.D

Acq: 15 Aug 2018 4:09

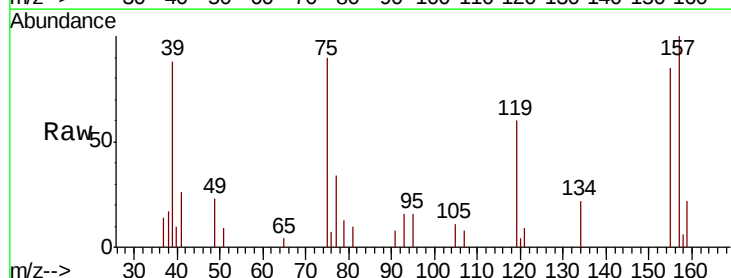
Tgt Ion: 75 Resp: 7601

Ion Ratio Lower Upper

75 100

155 94.0 39.0 117.0

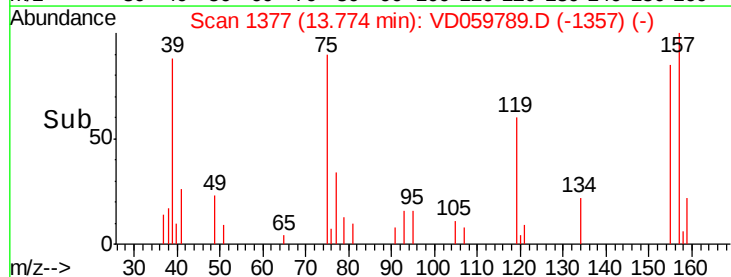
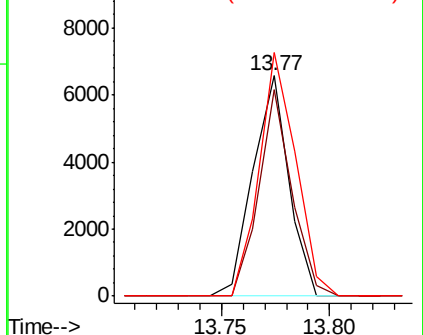
157 110.7 54.8 164.3

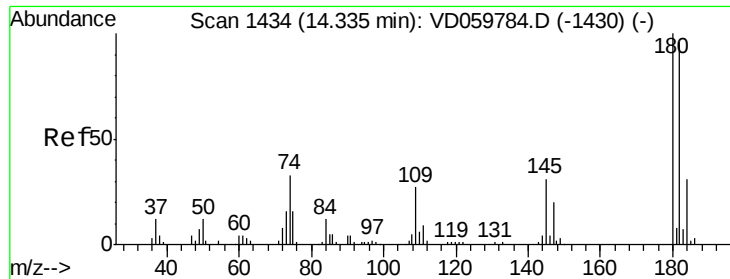


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

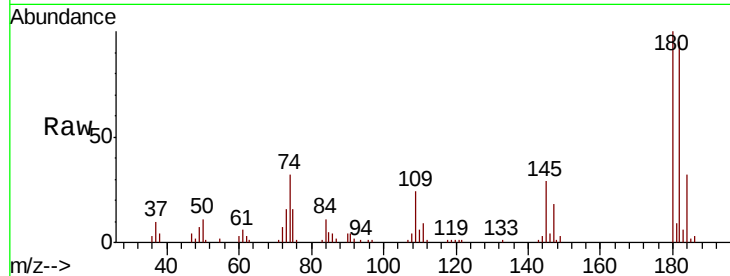




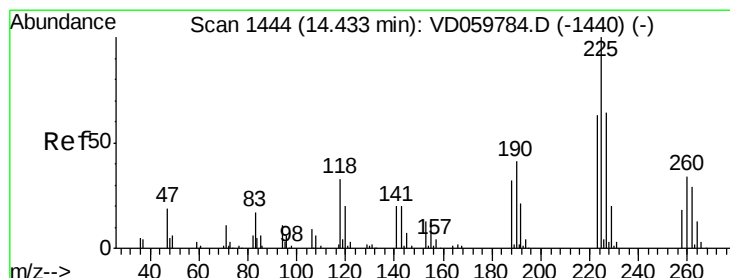
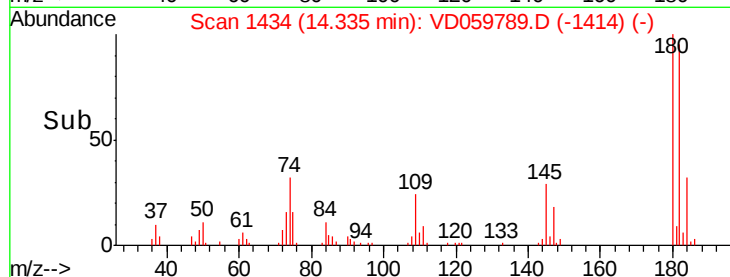
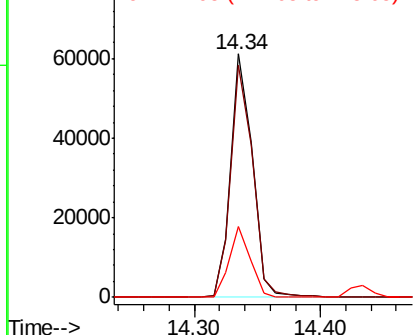
#93
 1,2,4-Trichlorobenzene
 Concen: 19.98 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VD059789.D
 Acq: 15 Aug 2018 4:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0815SBS01

Tot Ion:180 Resp: 72342
 Ion Ratio Lower Upper
 180 100
 182 95.3 48.0 144.0
 145 29.1 15.5 46.5

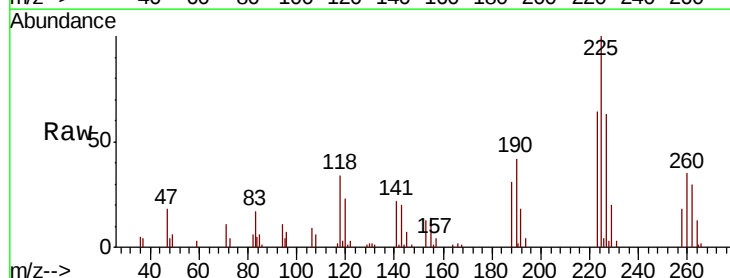


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

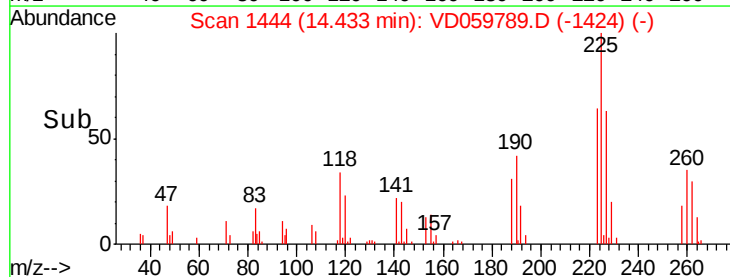
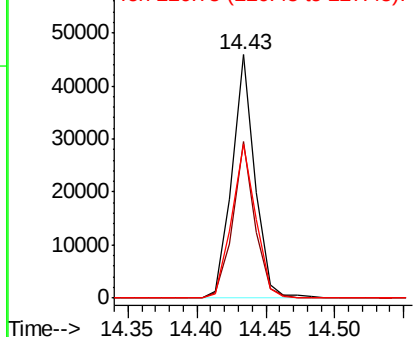


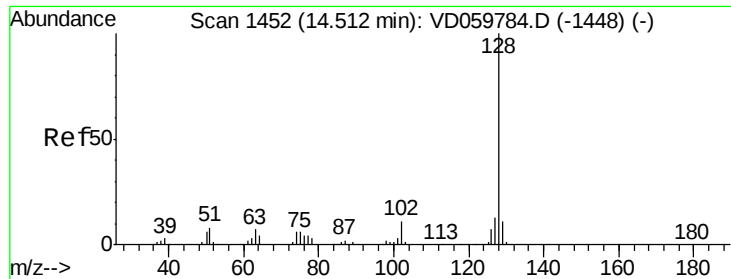
#94
 Hexachlorobutadiene
 Concen: 19.79 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: VD059789.D
 Acq: 15 Aug 2018 4:09

Tgt Ion:225 Resp: 52892
 Ion Ratio Lower Upper
 225 100
 223 64.2 31.4 94.2
 227 63.1 32.1 96.5



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

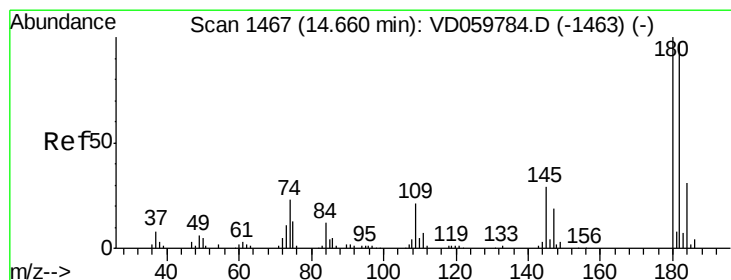
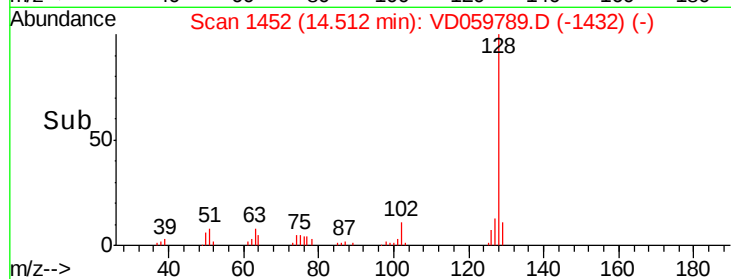
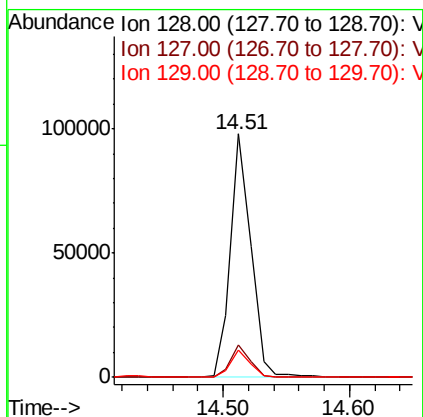
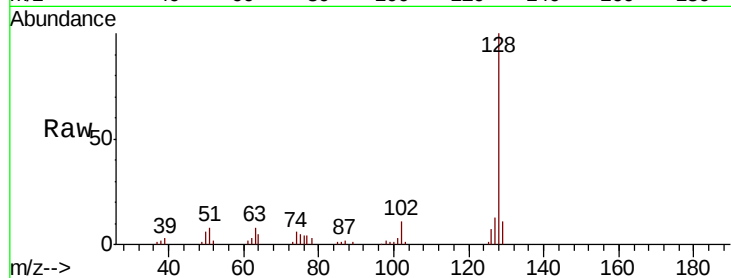




#95
Naphthalene
Concen: 19.85 ug/l
RT: 14.51 min Scan# 1452
Delta R.T. -0.00 min
Lab File: VD059789.D
Acq: 15 Aug 2018 4:09

Instrument :
MSVOA_D
ClientSampleId :
VD0815SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	11.0	9.1	13.7



#96
1,2,3-Trichlorobenzene
Concen: 19.71 ug/l
RT: 14.66 min Scan# 1467
Delta R.T. -0.00 min
Lab File: VD059789.D
Acq: 15 Aug 2018 4:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.6	48.5	145.5
145	29.5	14.3	42.9

