

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081518\
 Data File : VD059792.D
 Acq On : 15 Aug 2018 5:33
 Operator : VA/AP
 Sample : J3762-02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 15 17:51:13 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	5.65	168	275617	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.70	114	376708	50.00	ug/l	0.01
63) Chlorobenzene-d5	10.69	117	308753	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	162824	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.02	65	192118	54.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.50%	
35) Dibromofluoromethane	5.55	113	172054	52.41	ug/l	0.01
Spiked Amount	50.000		Recovery	=	104.82%	
50) Toluene-d8	8.71	98	399435	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	
62) 4-Bromofluorobenzene	11.93	95	175490	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.34	85	32272	9.609	ug/l	98
3) Chloromethane	1.49	50	19202	10.415	ug/l	90
4) Vinyl Chloride	1.56	62	19125	9.792	ug/l	97
5) Bromomethane	1.80	94	6898	11.093	ug/l	88
6) Chloroethane	1.89	64	8139	9.992	ug/l	98
7) Trichlorofluoromethane	2.09	101	31499	10.270	ug/l	97
8) Diethyl Ether	2.35	74	6029	10.217	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.56	101	17813	10.356	ug/l	93
10) Methyl Iodide	2.70	142	15858	10.244	ug/l	94
11) Tert butyl alcohol	3.26	59	7460	59.541	ug/l #	74
12) 1,1-Dichloroethene	2.55	96	11839	9.520	ug/l	98
13) Acrolein	2.48	56	3358	46.050	ug/l	88
14) Allyl chloride	2.93	41	31011	9.924	ug/l	97
15) Acrylonitrile	3.36	53	27085	61.704	ug/l	97
16) Acetone	2.61	43	28203	50.465	ug/l	99
17) Carbon Disulfide	2.76	76	38438	9.224	ug/l	97
18) Methyl Acetate	2.94	43	12322	10.317	ug/l	96
19) Methyl tert-butyl Ether	3.41	73	66254	10.915	ug/l	97
20) Methylene Chloride	3.07	84	23416	13.184	ug/l	91
21) trans-1,2-Dichloroethene	3.39	96	27218	11.107	ug/l	94
22) Diisopropyl ether	4.08	45	92992	11.031	ug/l	99
23) Vinyl Acetate	4.02	43	279233	58.488	ug/l	98
24) 1,1-Dichloroethane	3.97	63	54889	10.975	ug/l	99
25) 2-Butanone	4.85	43	40702	47.585	ug/l	99
26) 2,2-Dichloropropane	4.81	77	46502	10.169	ug/l	96
27) cis-1,2-Dichloroethene	4.82	96	28930	10.775	ug/l	89
28) Bromochloromethane	5.15	49	21485	10.949	ug/l	97
29) Tetrahydrofuran	5.19	42	20943	57.388	ug/l	99
30) Chloroform	5.33	83	61627	10.263	ug/l	99
31) Cyclohexane	5.59	56	40688	11.312	ug/l	95
32) 1,1,1-Trichloroethane	5.51	97	54740	10.368	ug/l	96
36) 1,1-Dichloropropene	5.75	75	40302	10.428	ug/l	94
37) Ethyl Acetate	4.92	43	23337	12.073	ug/l #	97
38) Carbon Tetrachloride	5.73	117	46030	9.872	ug/l	93

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	35762	10.697	ug/l	98
40) Benzene	6.02	78	86242	10.520	ug/l	97
41) Methacrylonitrile	5.13	41	10559	11.417	ug/l	90
42) 1,2-Dichloroethane	6.13	62	45735	10.308	ug/l	99
43) Isopropyl Acetate	7.62	43	26586	10.891	ug/l	99
44) Trichloroethene	6.98	130	29121	10.374	ug/l	99
45) 1,2-Dichloropropane	7.35	63	23819	11.178	ug/l	97
46) Dibromomethane	7.46	93	16875	9.683	ug/l #	71
47) Bromodichloromethane	7.75	83	43361	10.155	ug/l	95
48) Methyl methacrylate	7.50	41	18169	11.407	ug/l	99
49) 1,4-Dioxane	7.50	88	2656	189.338	ug/l	90
51) 4-Methyl-2-Pentanone	8.59	43	92160	49.946	ug/l	98
52) Toluene	8.80	92	53984	10.279	ug/l	99
53) t-1,3-Dichloropropene	9.18	75	36230	10.233	ug/l	95
54) cis-1,3-Dichloropropene	8.36	75	38063	9.948	ug/l	91
55) 1,1,2-Trichloroethane	9.45	97	21155	10.911	ug/l	97
56) Ethyl methacrylate	9.31	69	21944	10.451	ug/l	97
57) 1,3-Dichloropropane	9.67	76	32528	10.710	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.19	63	58608	56.474	ug/l	95
59) 2-Hexanone	9.78	43	66835	50.513	ug/l	98
60) Dibromochloromethane	9.96	129	30738	10.919	ug/l	91
61) 1,2-Dibromoethane	10.09	107	23611	10.994	ug/l	93
64) Tetrachloroethene	9.51	164	29472	11.083	ug/l	96
65) Chlorobenzene	10.72	112	68845	11.010	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.85	131	27516	10.918	ug/l	83
67) Ethyl Benzene	10.86	91	124267	11.543	ug/l	96
68) m/p-Xylenes	11.01	106	81301	22.281	ug/l	97
69) o-Xylene	11.41	106	39378	11.243	ug/l	85
70) Styrene	11.43	104	67182	10.816	ug/l	98
71) Bromoform	11.60	173	18115	9.888	ug/l	95
73) Isopropylbenzene	11.77	105	117712	11.417	ug/l	97
74) N-amyl acetate	11.64	43	34226	10.827	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.08	83	24842	11.866	ug/l	99
76) 1,2,3-Trichloropropane	12.12	75	26271	11.372	ug/l	93
77) Bromobenzene	12.04	156	34055	11.559	ug/l	83
78) n-propylbenzene	12.15	91	148976	11.584	ug/l	99
79) 2-Chlorotoluene	12.21	91	87875	11.331	ug/l	95
80) 1,3,5-Trimethylbenzene	12.32	105	92602	11.217	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.84	75	5683	10.515	ug/l	91
82) 4-Chlorotoluene	12.32	91	99879	11.347	ug/l	97
83) tert-Butylbenzene	12.58	119	100557	11.024	ug/l	93
84) 1,2,4-Trimethylbenzene	12.63	105	97567	10.968	ug/l	99
85) sec-Butylbenzene	12.75	105	122225	11.561	ug/l	98
86) p-Isopropyltoluene	12.88	119	97794	11.055	ug/l	96
87) 1,3-Dichlorobenzene	12.84	146	59629	11.287	ug/l	94
88) 1,4-Dichlorobenzene	12.92	146	58266	11.125	ug/l	96
89) n-Butylbenzene	13.20	91	101166	11.311	ug/l	96
90) Hexachloroethane	13.40	117	24281	10.938	ug/l	87
91) 1,2-Dichlorobenzene	13.19	146	53697	12.358	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.77	75	4167	11.156	ug/l	83

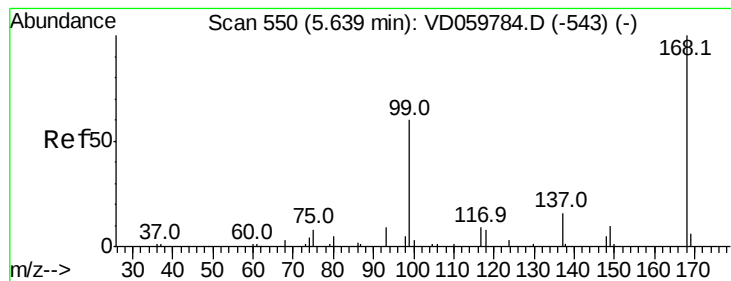
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Quant Title : SW846 8260
QLast Update : Wed Aug 15 16:08:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	41663	11.468	ug/l	93
94) Hexachlorobutadiene	14.44	225	26450	9.863	ug/l	99
95) Naphthalene	14.52	128	64531	11.601	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	33569	10.471	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 552

Delta R.T. 0.01 min

Lab File: VD059792.D

Acq: 15 Aug 2018 5:33

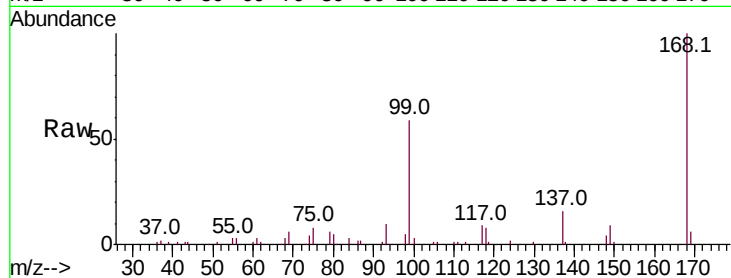
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 275617

Ion Ratio Lower Upper

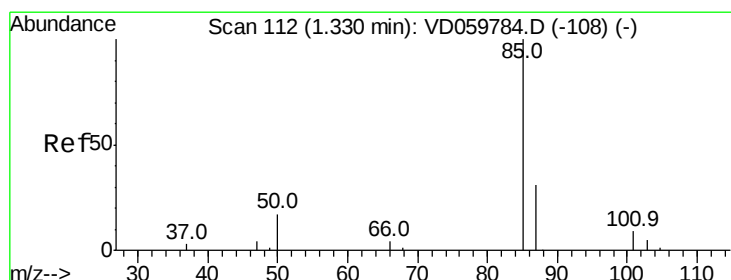
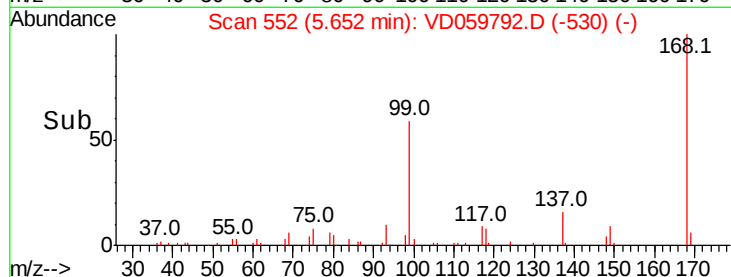
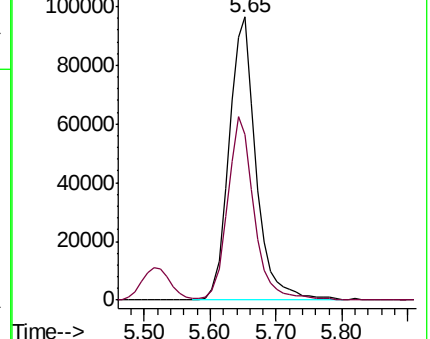
168 100

99 58.7 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: 9.609 ug/l

RT: 1.34 min Scan# 114

Delta R.T. 0.01 min

Lab File: VD059792.D

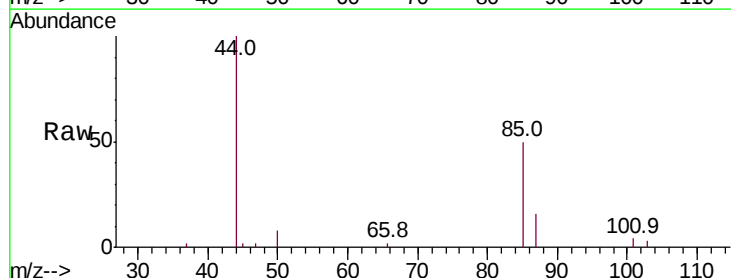
Acq: 15 Aug 2018 5:33

Tgt Ion: 85 Resp: 32272

Ion Ratio Lower Upper

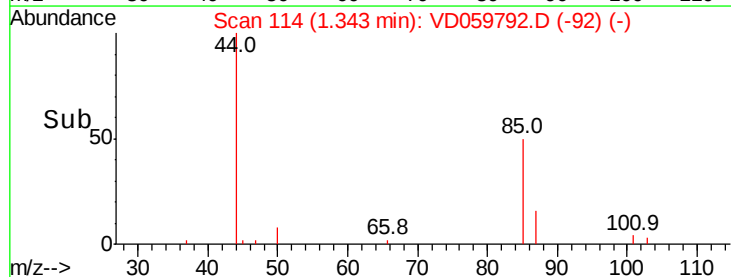
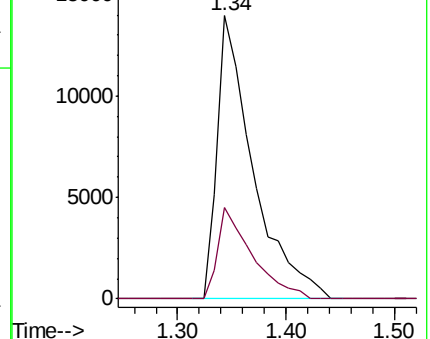
85 100

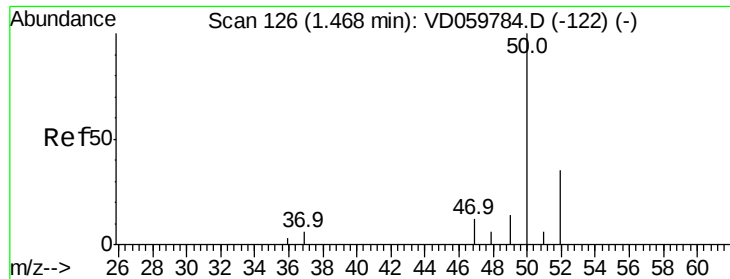
87 32.5 15.7 47.1



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 10.415 ug/l

RT: 1.49 min Scan# 129

Delta R.T. 0.02 min

Lab File: VD059792.D

Acq: 15 Aug 2018 5:33

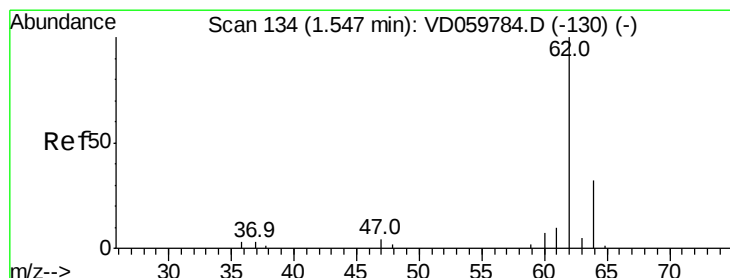
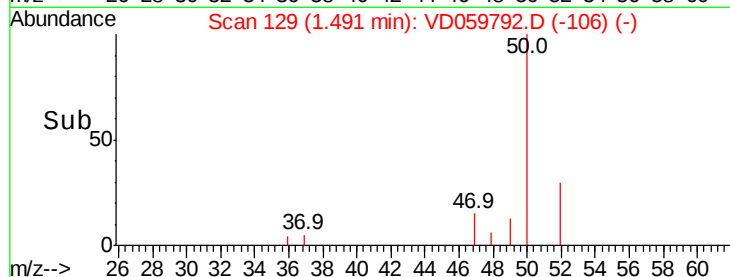
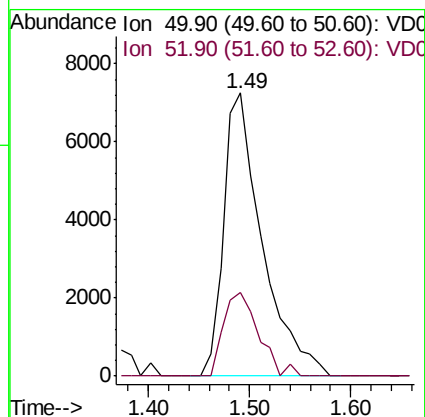
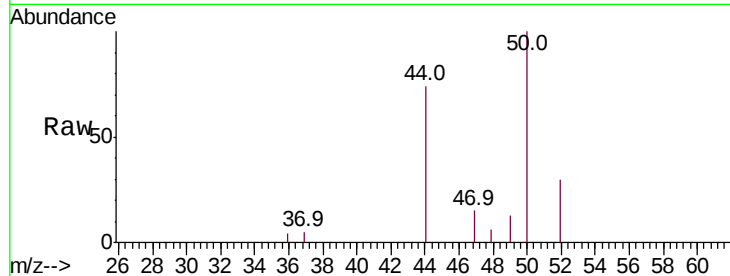
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 50 Resp: 19202

Ion Ratio Lower Upper

50 100

52 29.7 28.4 42.6



#4

Vinyl Chloride

Concen: 9.792 ug/l

RT: 1.56 min Scan# 136

Delta R.T. 0.01 min

Lab File: VD059792.D

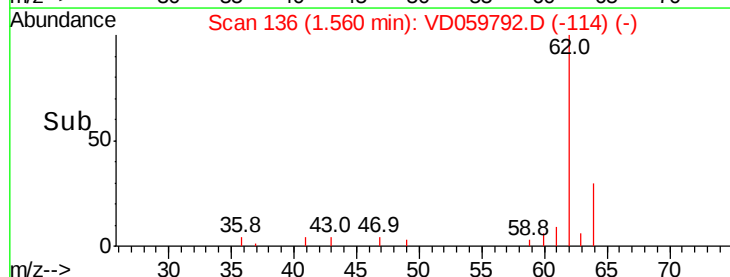
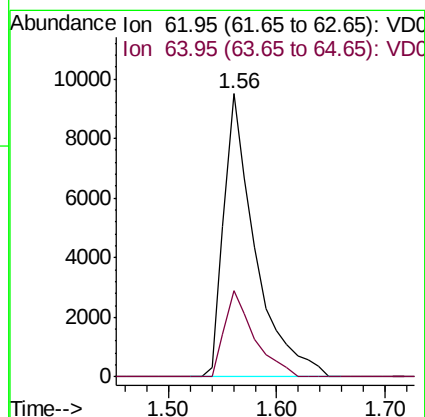
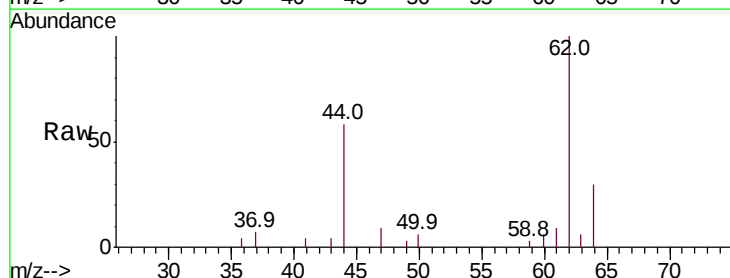
Acq: 15 Aug 2018 5:33

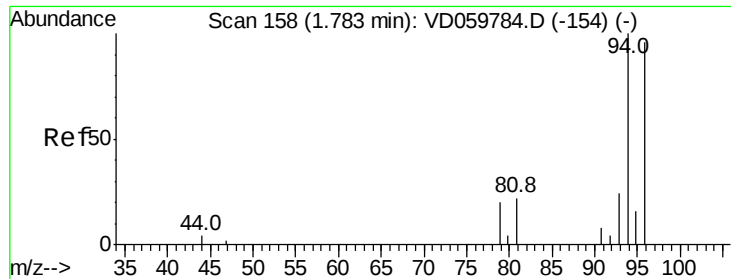
Tgt Ion: 62 Resp: 19125

Ion Ratio Lower Upper

62 100

64 30.5 25.5 38.3

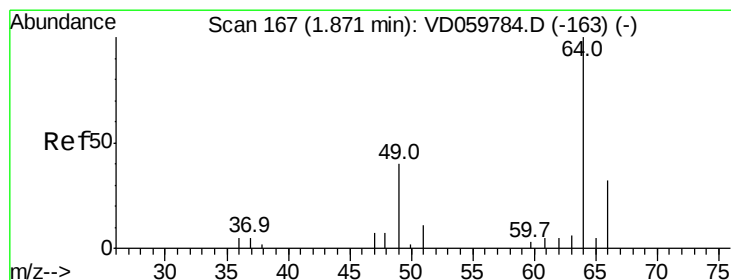
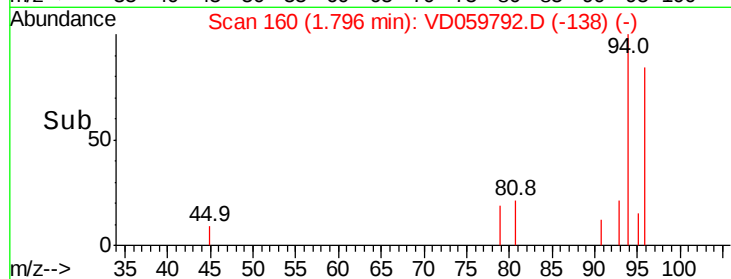
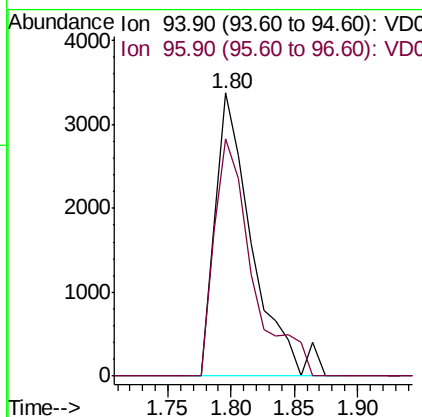
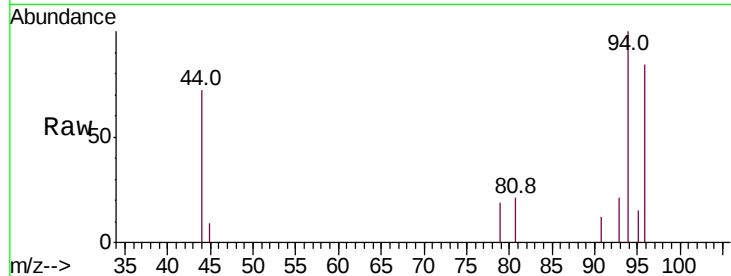




#5
Bromomethane
Concen: 11.093 ug/l
RT: 1.80 min Scan# 160
Delta R.T. 0.01 min
Lab File: VD059792.D
Acq: 15 Aug 2018 5:33

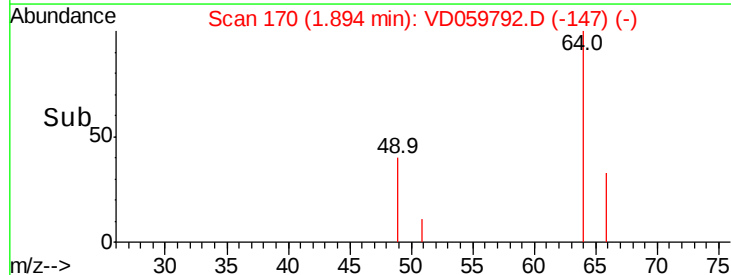
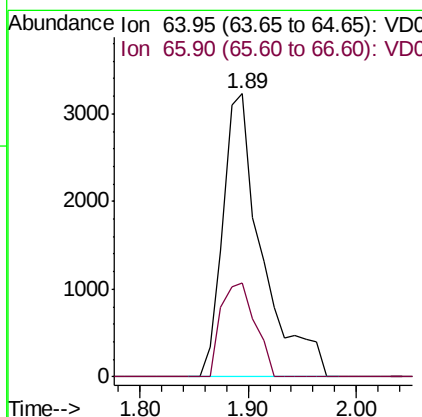
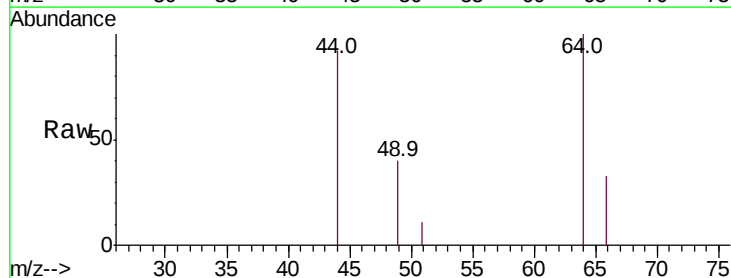
Instrument :
MSVOA_D
ClientSampleId :

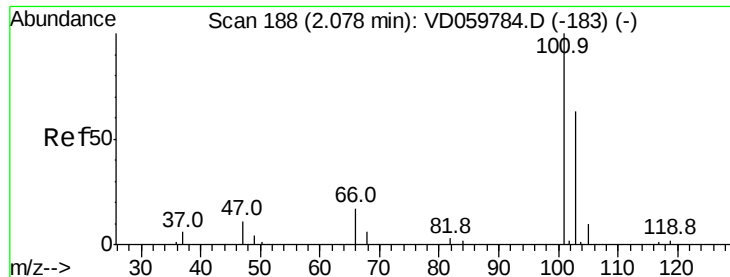
Tot Ion: 94 Resp: 6898
Ion Ratio Lower Upper
94 100
96 83.8 76.7 115.1



#6
Chloroethane
Concen: 9.992 ug/l
RT: 1.89 min Scan# 170
Delta R.T. 0.02 min
Lab File: VD059792.D
Acq: 15 Aug 2018 5:33

Tgt Ion: 64 Resp: 8139
Ion Ratio Lower Upper
64 100
66 33.1 25.4 38.2



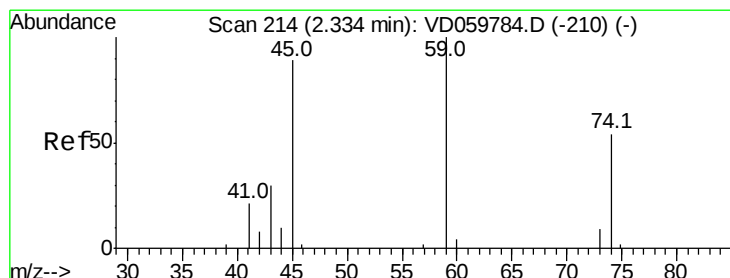
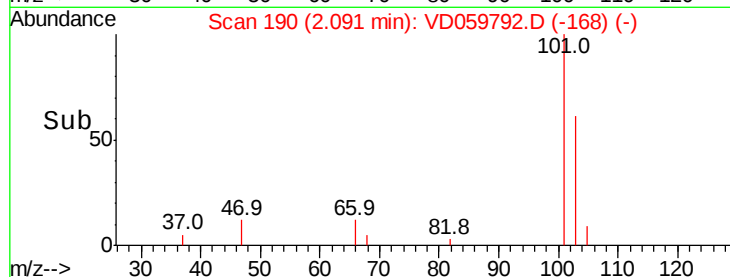
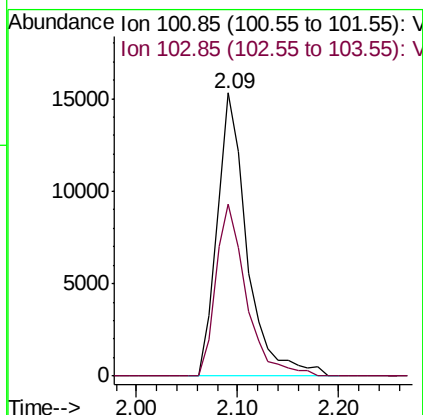
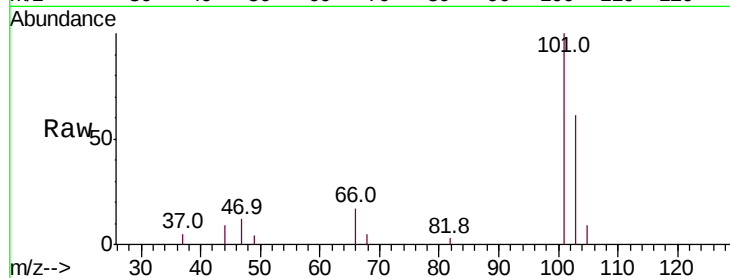


#7

Trichlorofluoromethane
 Concen: 10.270 ug/l
 RT: 2.09 min Scan# 190
 Delta R.T. 0.01 min
 Lab File: VD059792.D
 Acq: 15 Aug 2018 5:33

Instrument :
 MSVOA_D
 ClientSampleId :

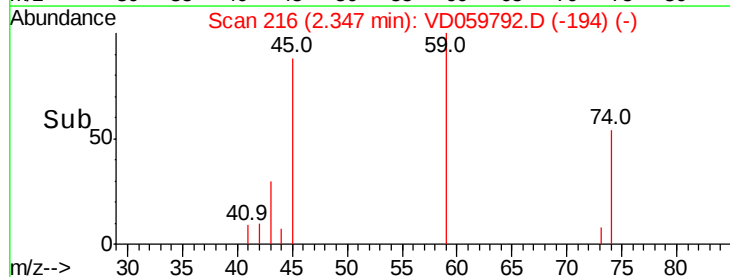
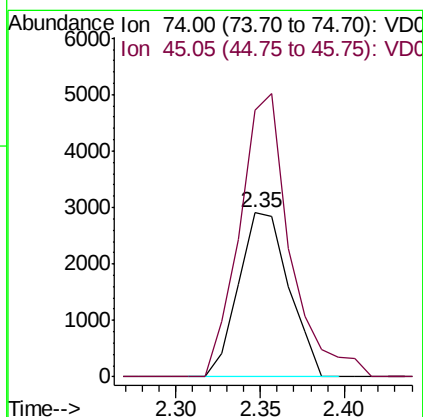
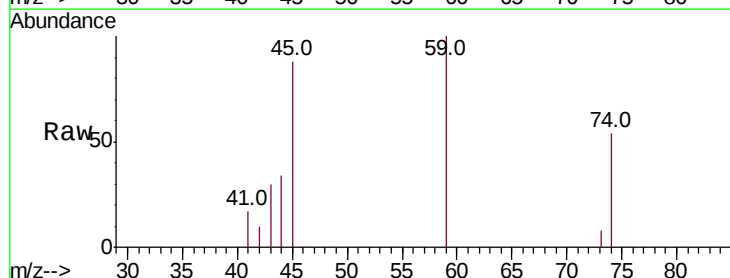
Tot Ion:101 Resp: 31499
 Ion Ratio Lower Upper
 101 100
 103 60.8 50.4 75.6

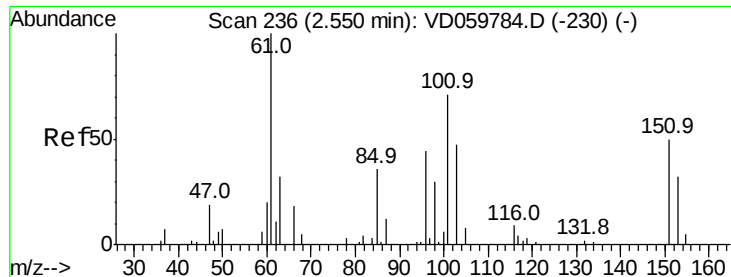


#8

Diethyl Ether
 Concen: 10.217 ug/l
 RT: 2.35 min Scan# 216
 Delta R.T. 0.01 min
 Lab File: VD059792.D
 Acq: 15 Aug 2018 5:33

Tgt Ion: 74 Resp: 6029
 Ion Ratio Lower Upper
 74 100
 45 162.6 81.6 244.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.356 ug/l

RT: 2.56 min Scan# 238

Delta R.T. 0.01 min

Lab File: VD059792.D

Acq: 15 Aug 2018 5:33

Instrument :

MSVOA_D

ClientSampled :

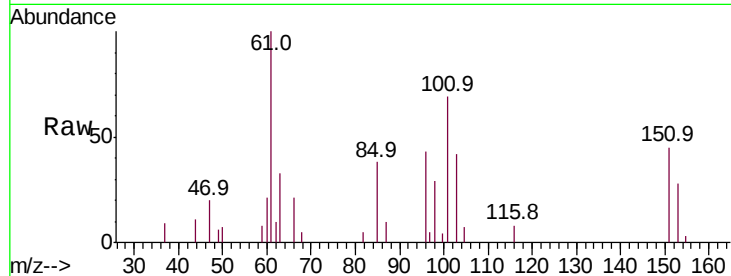
Tot Ion:101 Resp: 17813

Ion Ratio Lower Upper

101 100

85 55.4 40.6 61.0

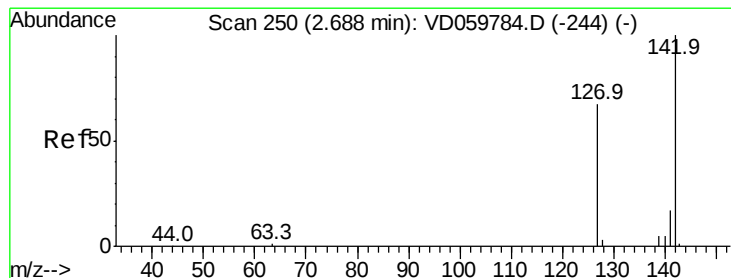
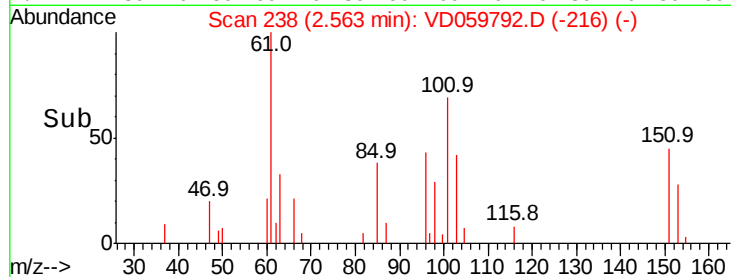
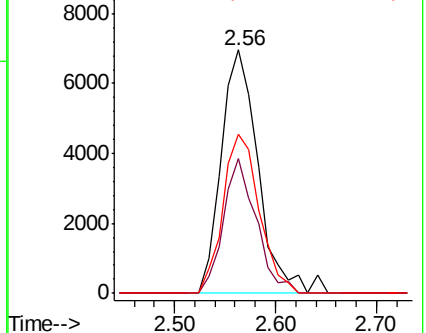
151 65.2 57.1 85.7



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: 10.244 ug/l

RT: 2.70 min Scan# 252

Delta R.T. 0.01 min

Lab File: VD059792.D

Acq: 15 Aug 2018 5:33

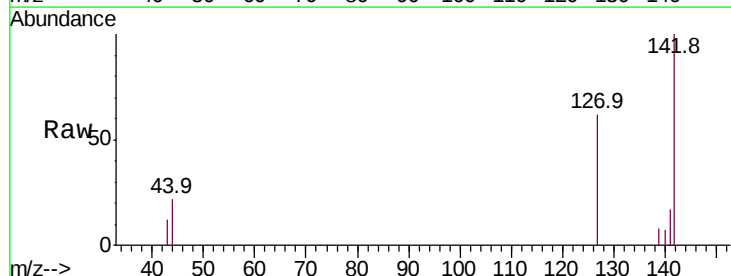
Tgt Ion:142 Resp: 15858

Ion Ratio Lower Upper

142 100

127 62.0 54.0 81.0

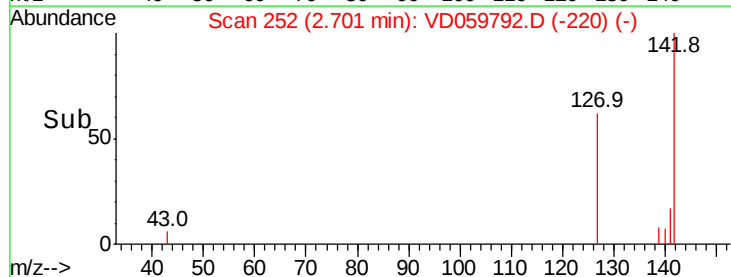
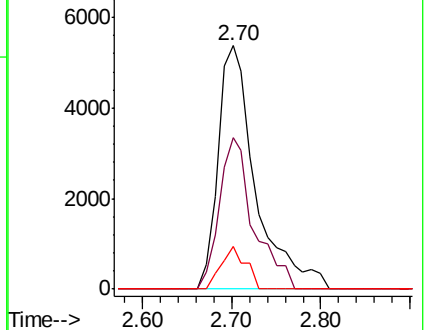
141 17.3 13.3 19.9

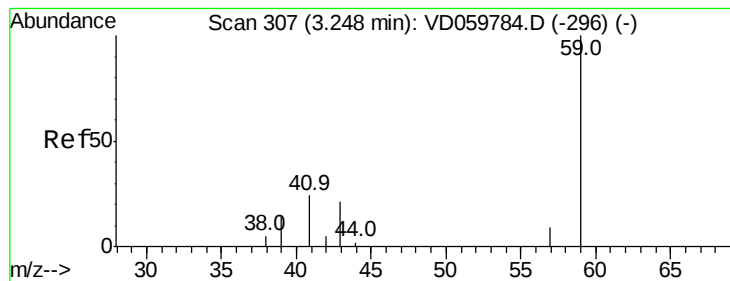


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



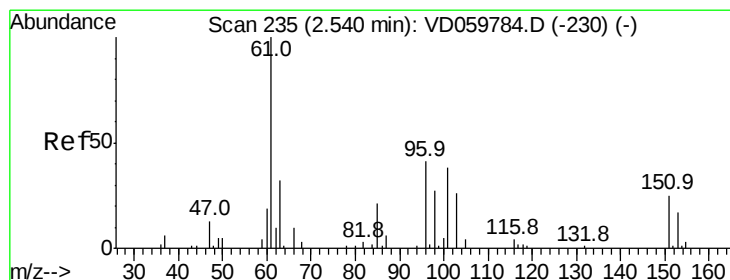
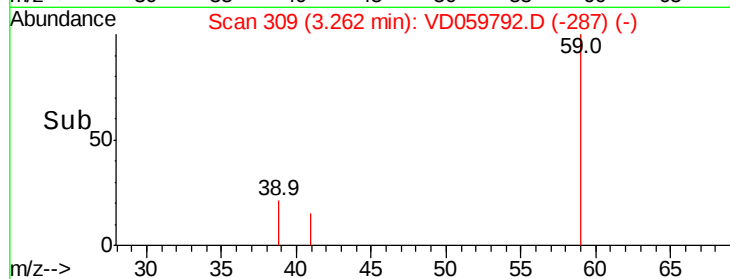
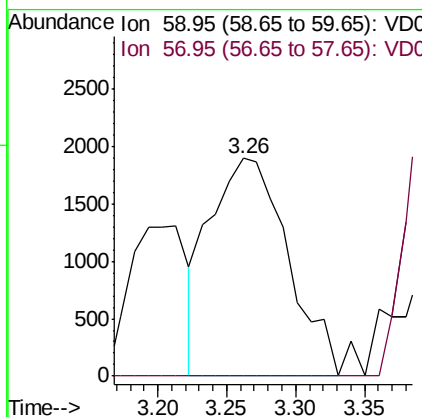
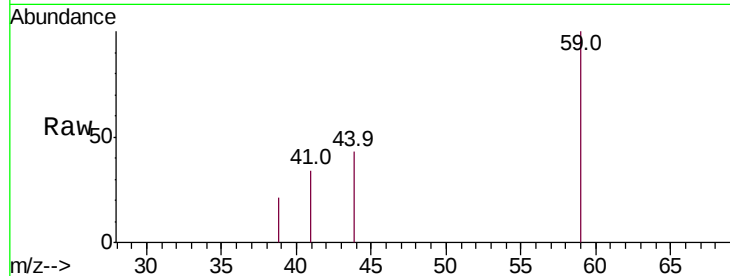


#11

Tert butyl alcohol
 Concen: 59.541 ug/l
 RT: 3.26 min Scan# 309
 Delta R.T. 0.01 min
 Lab File: VD059792.D
 Acq: 15 Aug 2018 5:33

Instrument :
 MSVOA_D
 ClientSampled :

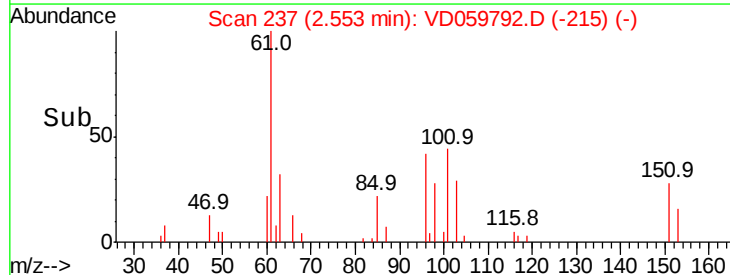
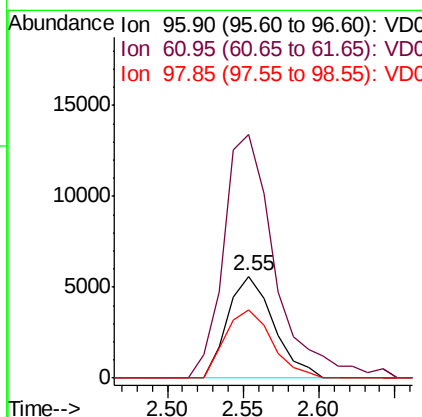
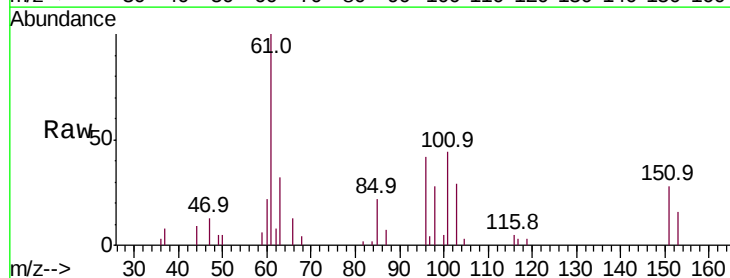
Tot Ion: 59 Resp: 7460
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.5 11.3#

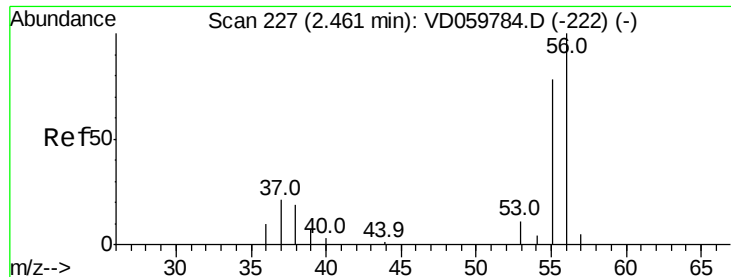


#12

1,1-Dichloroethene
 Concen: 9.520 ug/l
 RT: 2.55 min Scan# 237
 Delta R.T. 0.01 min
 Lab File: VD059792.D
 Acq: 15 Aug 2018 5:33

Tgt Ion: 96 Resp: 11839
 Ion Ratio Lower Upper
 96 100
 61 239.0 194.1 291.1
 98 66.6 52.3 78.5

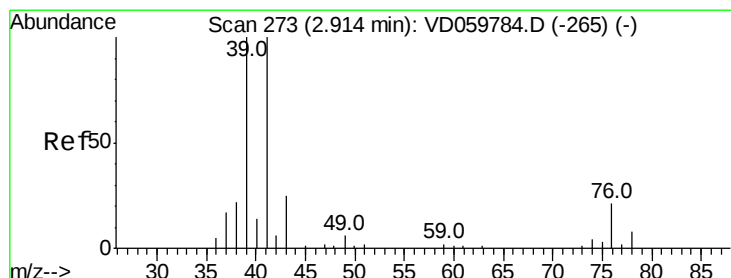
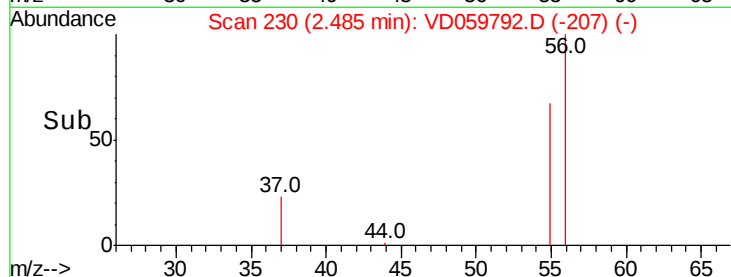
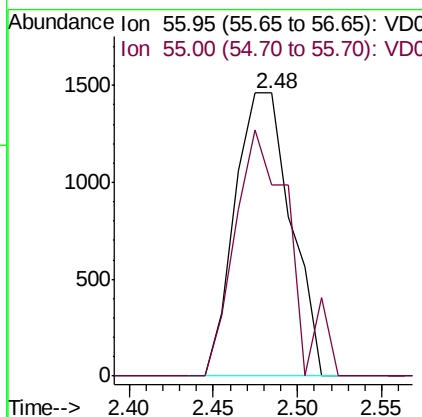
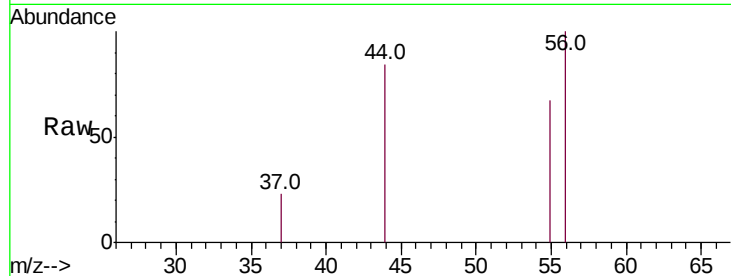




#13
 Acrolein
 Concen: 46.050 ug/l
 RT: 2.48 min Scan# 230
 Delta R.T. 0.02 min
 Lab File: VD059792.D
 Acq: 15 Aug 2018 5:33

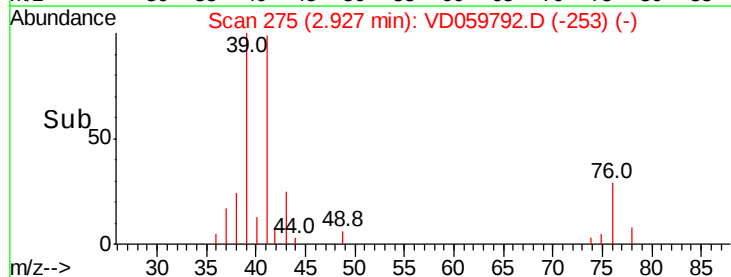
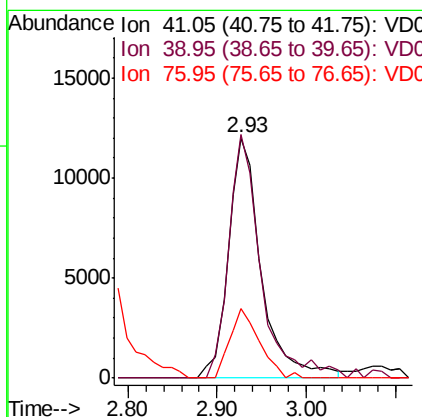
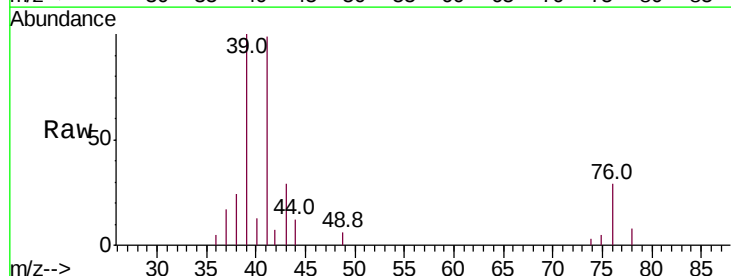
Instrument :
 MSVOA_D
 ClientSampleId :

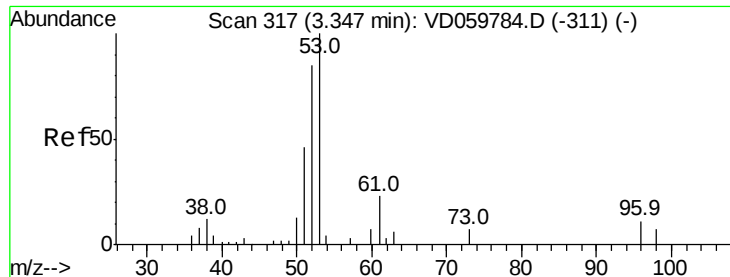
Tot Ion: 56 Resp: 3358
 Ion Ratio Lower Upper
 56 100
 55 67.5 62.2 93.2



#14
 Allyl chloride
 Concen: 9.924 ug/l
 RT: 2.93 min Scan# 275
 Delta R.T. 0.01 min
 Lab File: VD059792.D
 Acq: 15 Aug 2018 5:33

Tgt Ion: 41 Resp: 31011
 Ion Ratio Lower Upper
 41 100
 39 101.5 79.8 119.6
 76 29.2 20.4 30.6





#15

Acrylonitrile

Concen: 61.704 ug/l

RT: 3.36 min Scan# 319

Delta R.T. 0.01 min

Lab File: VD059792.D

Acq: 15 Aug 2018 5:33

Instrument :

MSVOA_D

ClientSampled :

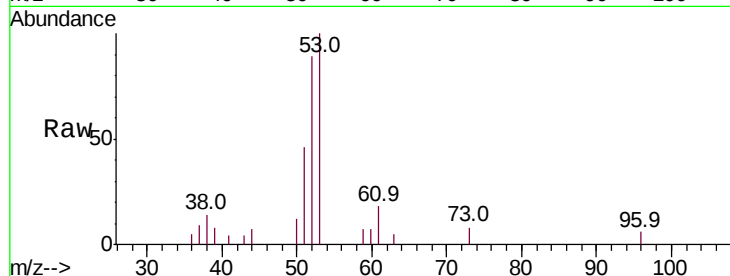
Tot Ion: 53 Resp: 27085

Ion Ratio Lower Upper

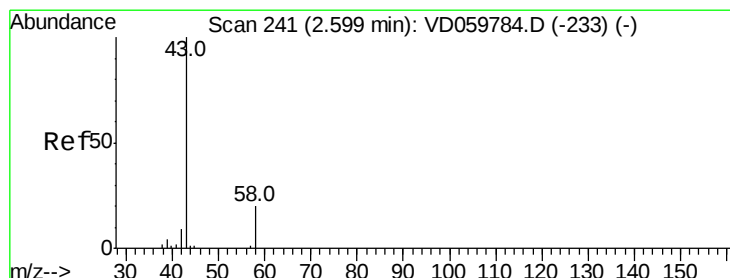
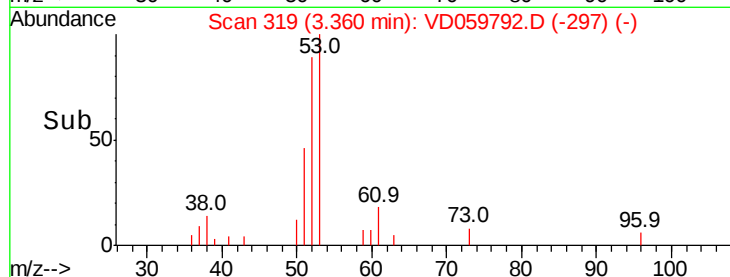
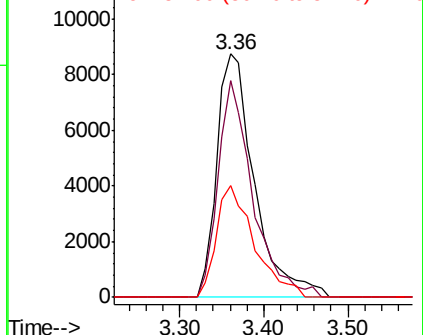
53 100

52 88.8 68.2 102.2

51 45.7 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: 50.465 ug/l

RT: 2.61 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD059792.D

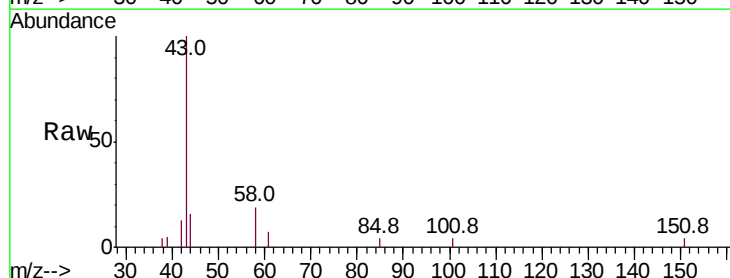
Acq: 15 Aug 2018 5:33

Tgt Ion: 43 Resp: 28203

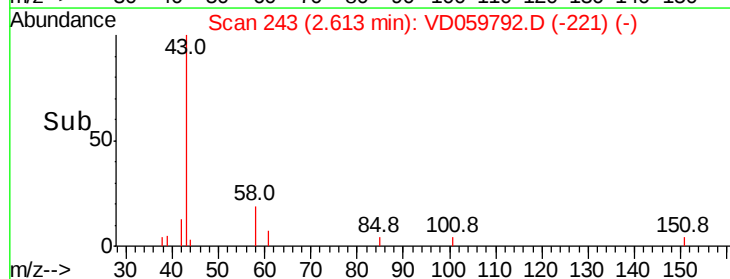
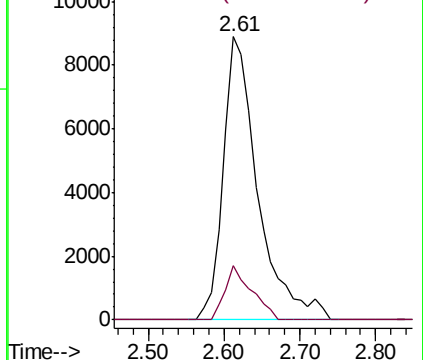
Ion Ratio Lower Upper

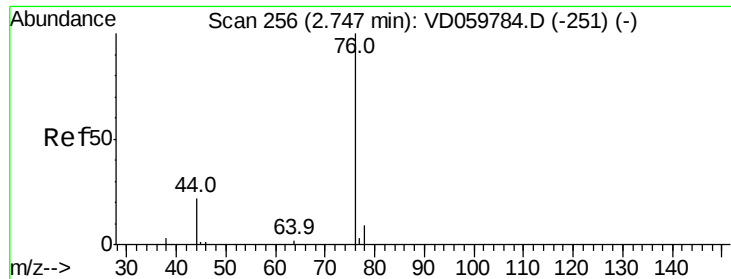
43 100

58 19.4 15.7 23.5



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

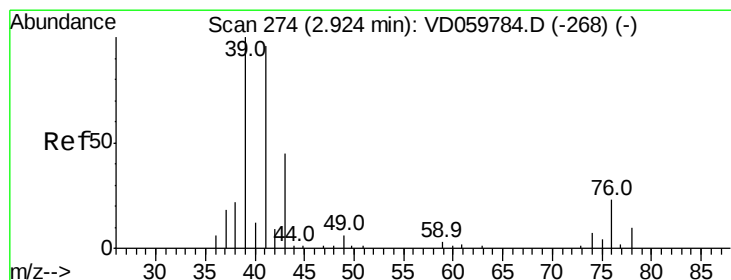
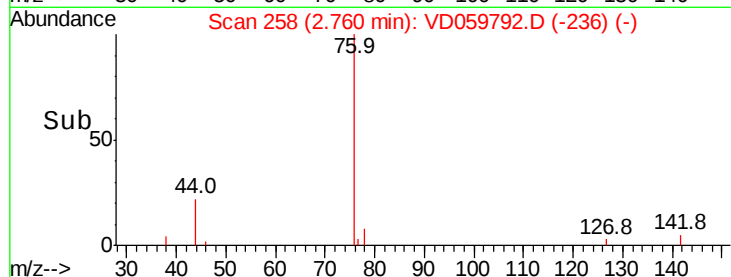
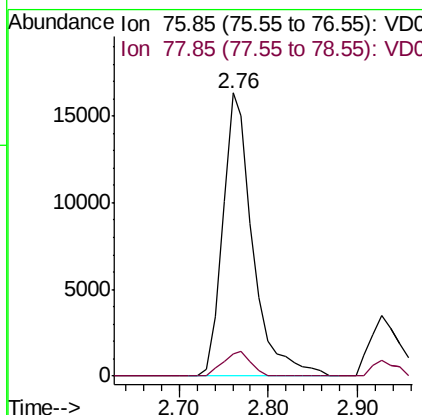
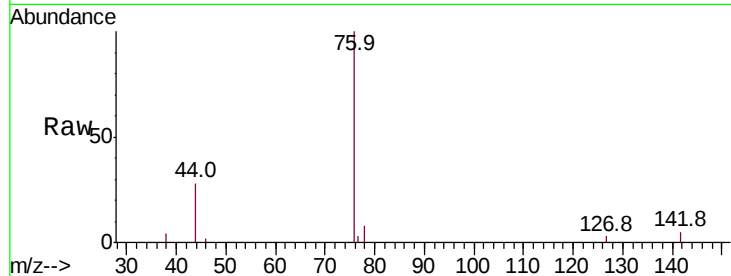




#17
Carbon Disulfide
Concen: 9.224 ug/l
RT: 2.76 min Scan# 258
Delta R.T. 0.01 min
Lab File: VD059792.D
Acq: 15 Aug 2018 5:33

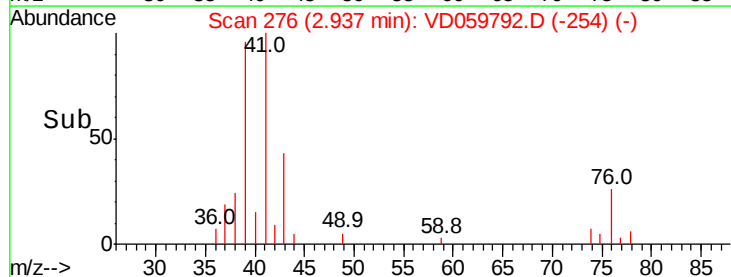
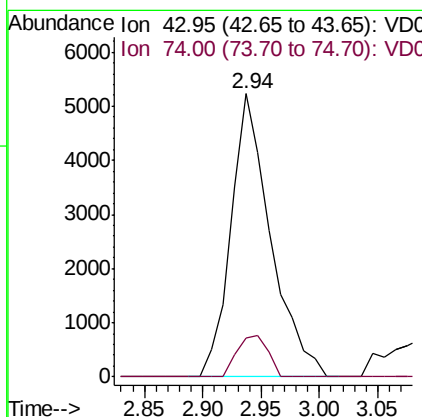
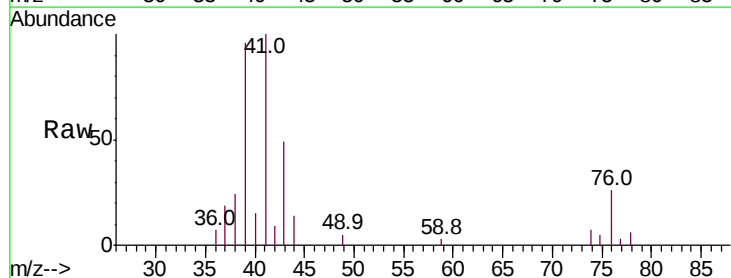
Instrument :
MSVOA_D
ClientSampleId :

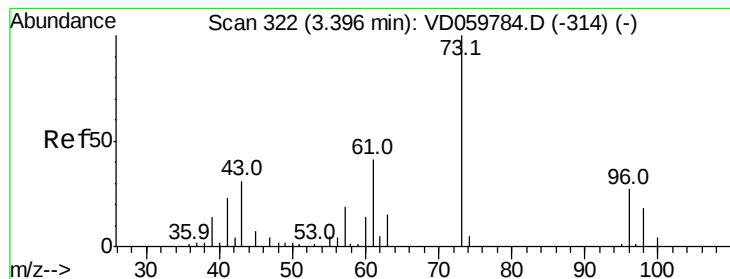
Tot Ion: 76 Resp: 38438
Ion Ratio Lower Upper
76 100
78 7.7 6.9 10.3



#18
Methyl Acetate
Concen: 10.317 ug/l
RT: 2.94 min Scan# 276
Delta R.T. 0.01 min
Lab File: VD059792.D
Acq: 15 Aug 2018 5:33

Tgt Ion: 43 Resp: 12322
Ion Ratio Lower Upper
43 100
74 13.7 12.4 18.6



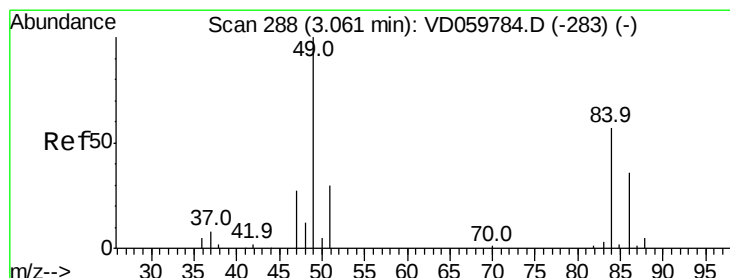
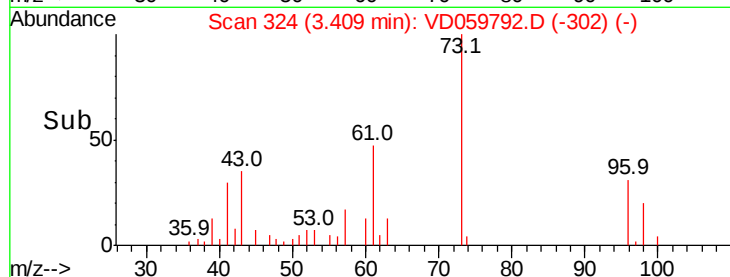
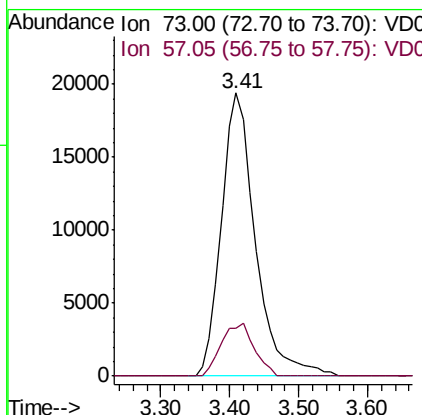
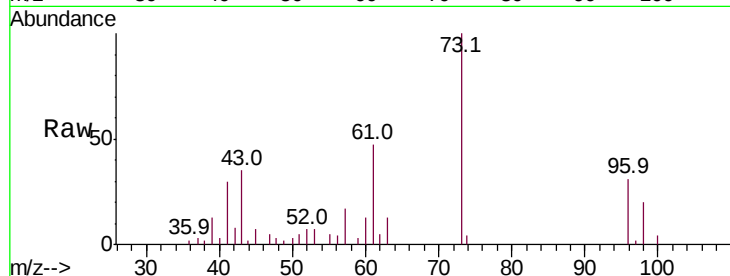


#19

Methyl tert-butyl Ether
 Concen: 10.915 ug/l
 RT: 3.41 min Scan# 324
 Delta R.T. 0.01 min
 Lab File: VD059792.D
 Acq: 15 Aug 2018 5:33

Instrument :
 MSVOA_D
 ClientSampled :

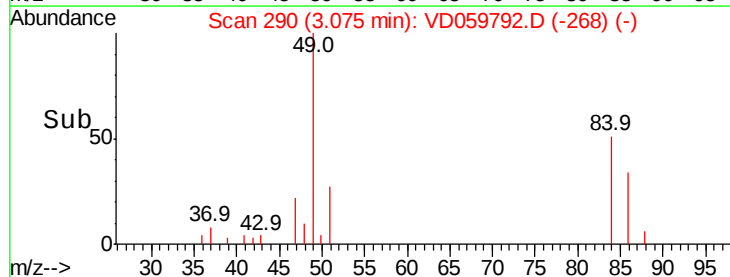
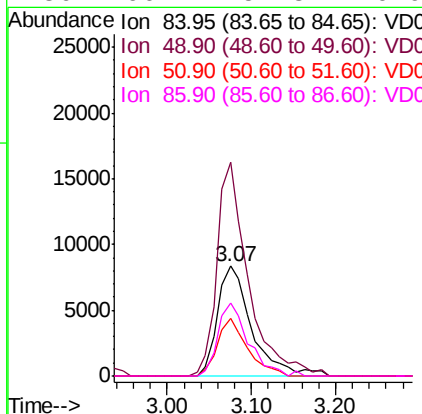
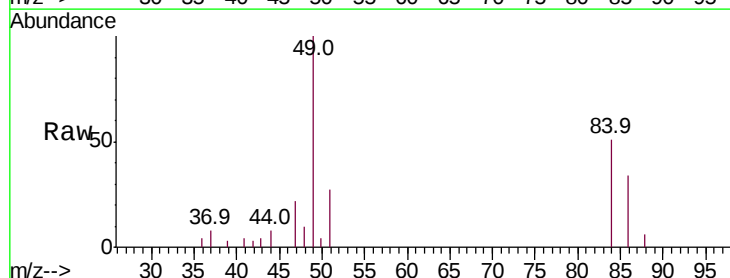
Tot Ion: 73 Resp: 66254
 Ion Ratio Lower Upper
 73 100
 57 17.0 14.8 22.2

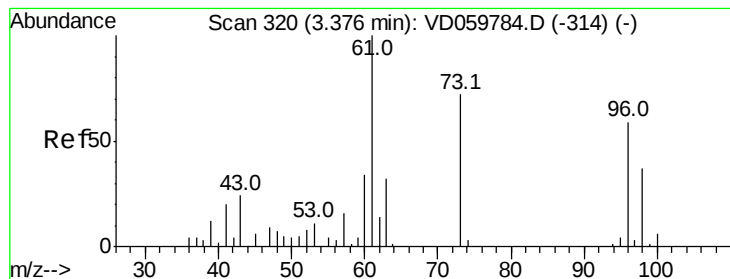


#20

Methylene Chloride
 Concen: 13.184 ug/l
 RT: 3.07 min Scan# 290
 Delta R.T. 0.01 min
 Lab File: VD059792.D
 Acq: 15 Aug 2018 5:33

Tgt Ion: 84 Resp: 23416
 Ion Ratio Lower Upper
 84 100
 49 194.6 140.9 211.3
 51 52.1 42.8 64.2
 86 66.1 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 11.107 ug/l

RT: 3.39 min Scan# 322

Delta R.T. 0.01 min

Lab File: VD059792.D

Acq: 15 Aug 2018 5:33

Instrument :

MSVOA_D

ClientSampleId :

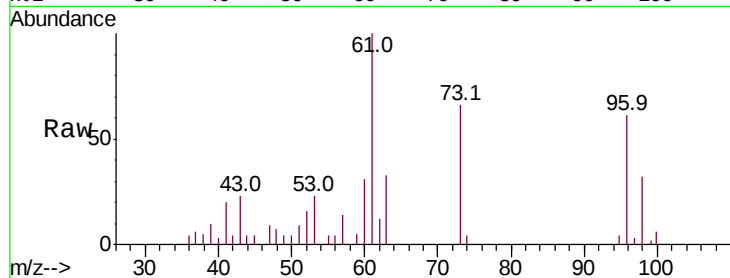
Tot Ion: 96 Resp: 27218

Ion Ratio Lower Upper

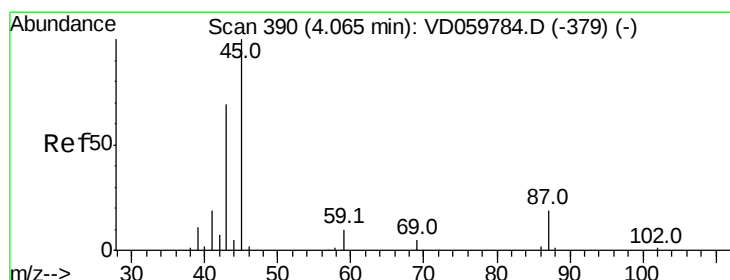
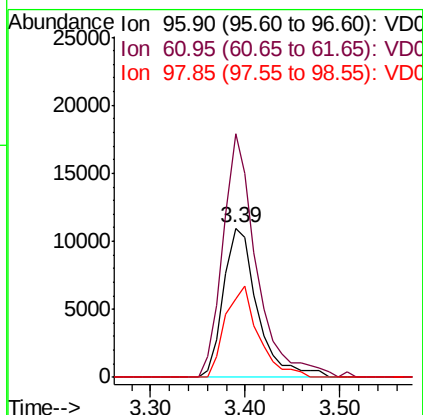
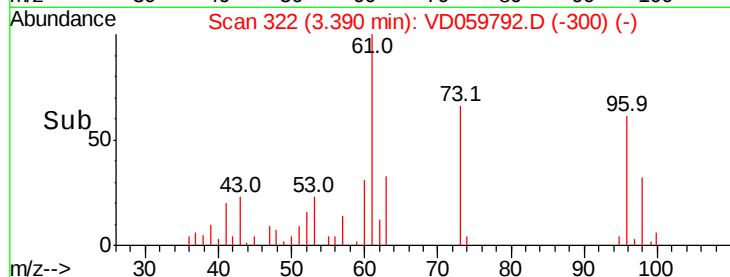
96 100

61 163.2 134.8 202.2

98 52.7 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: 11.031 ug/l

RT: 4.08 min Scan# 392

Delta R.T. 0.01 min

Lab File: VD059792.D

Acq: 15 Aug 2018 5:33

Tgt Ion: 45 Resp: 92992

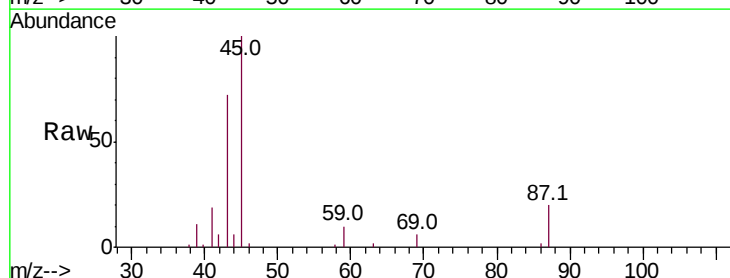
Ion Ratio Lower Upper

45 100

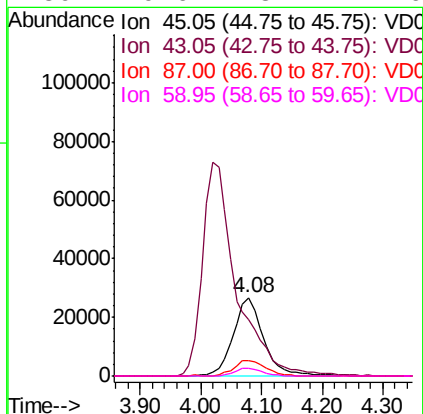
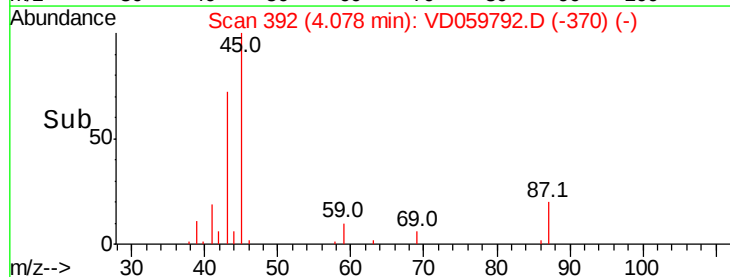
43 72.1 57.5 86.3

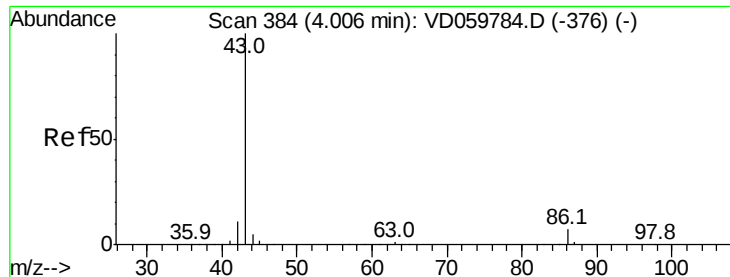
87 19.7 16.1 24.1

59 9.6 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: 58.488 ug/l

RT: 4.02 min Scan# 386

Delta R.T. 0.01 min

Lab File: VD059792.D

Acq: 15 Aug 2018 5:33

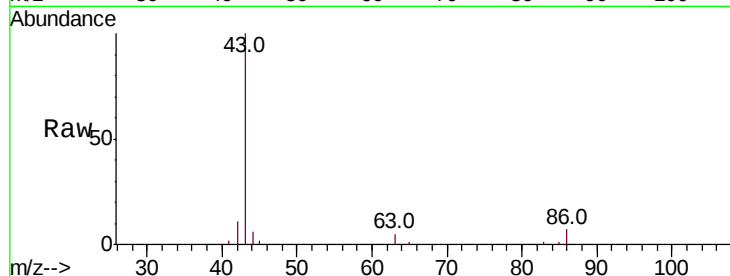
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 279233

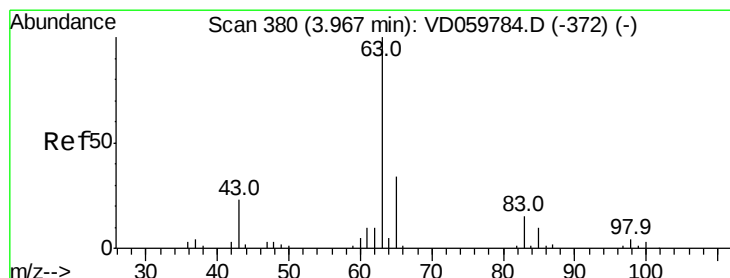
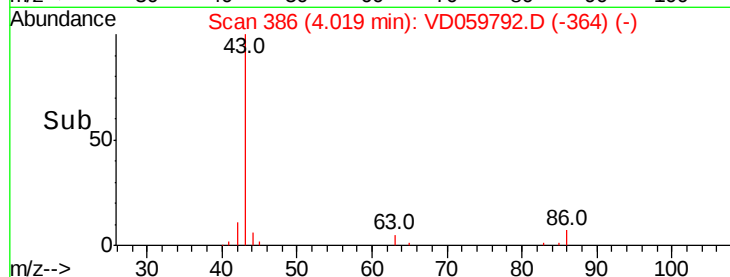
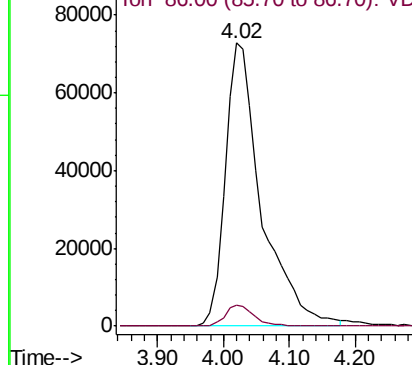
Ion Ratio Lower Upper

43 100

86 7.5 5.4 8.0



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 10.975 ug/l

RT: 3.97 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD059792.D

Acq: 15 Aug 2018 5:33

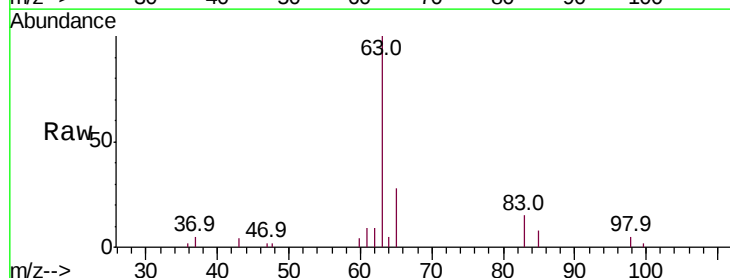
Tgt Ion: 63 Resp: 54889

Ion Ratio Lower Upper

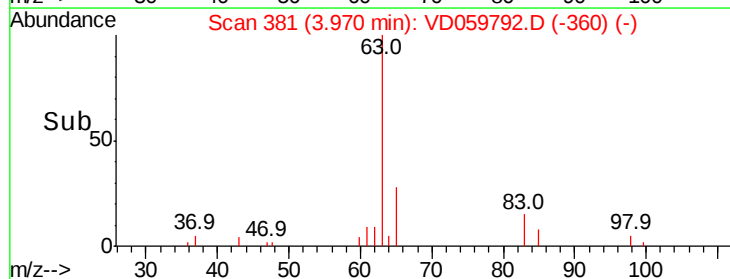
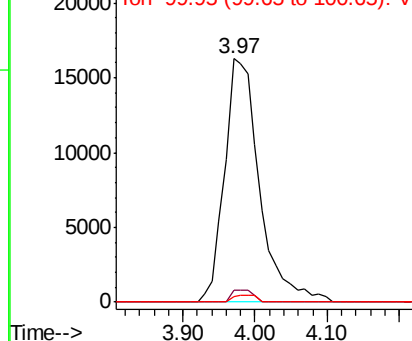
63 100

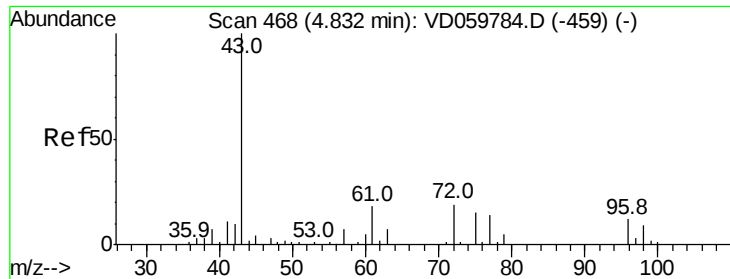
98 4.7 2.2 6.6

100 2.4 1.6 4.7



Abundance Ion 62.95 (62.65 to 63.65): VDC
Ion 97.95 (97.65 to 98.65): VDC
Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 47.585 ug/l

RT: 4.85 min Scan# 470

Delta R.T. 0.01 min

Lab File: VD059792.D

Acq: 15 Aug 2018 5:33

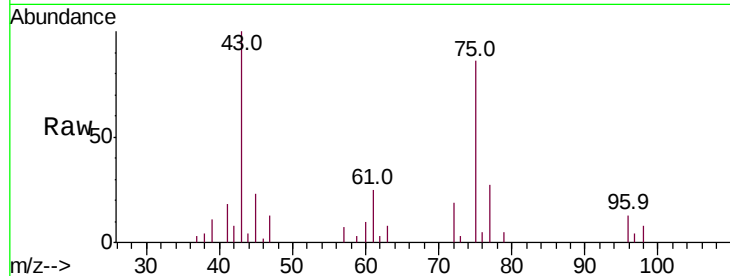
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 40702

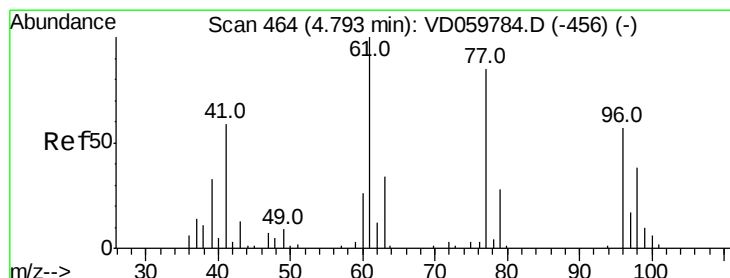
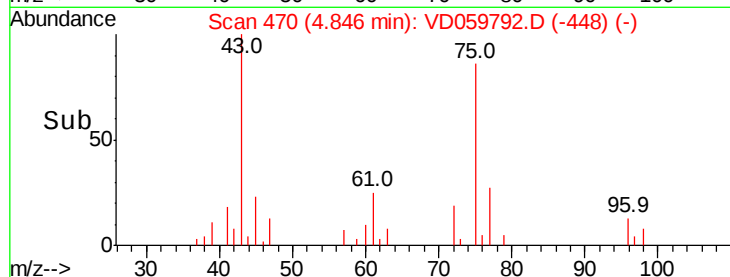
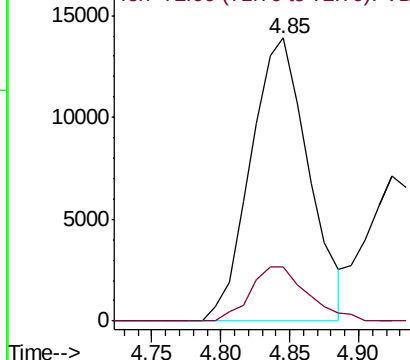
Ion Ratio Lower Upper

43 100

72 18.9 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: 10.169 ug/l

RT: 4.81 min Scan# 466

Delta R.T. 0.01 min

Lab File: VD059792.D

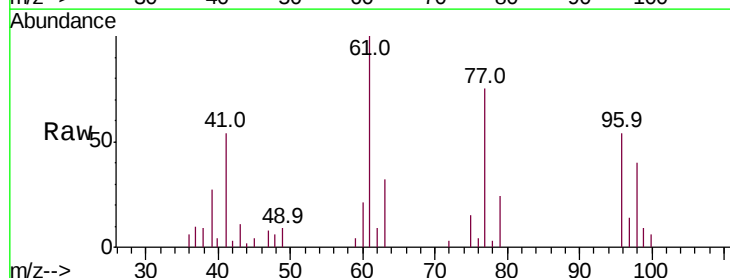
Acq: 15 Aug 2018 5:33

Tgt Ion: 77 Resp: 46502

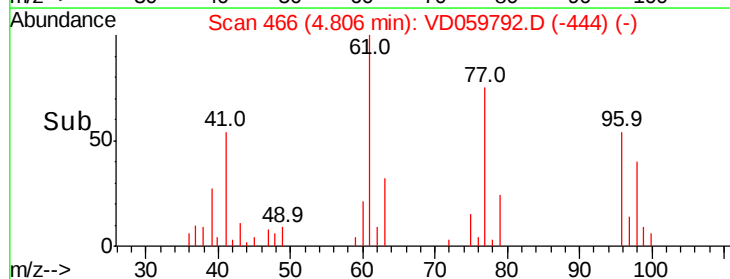
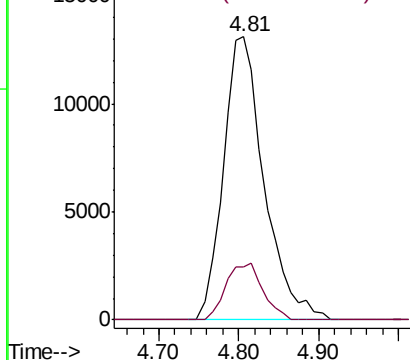
Ion Ratio Lower Upper

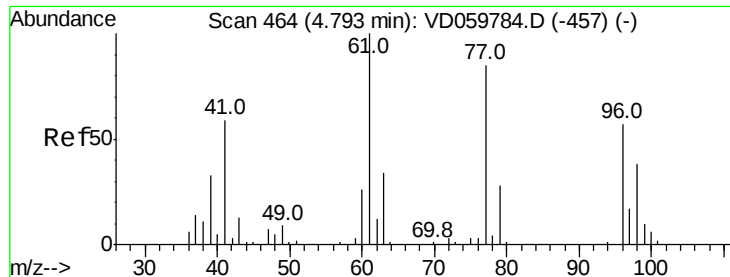
77 100

97 18.8 10.3 30.8



Abundance Ion 76.95 (76.65 to 77.65): VDC
Ion 96.85 (96.55 to 97.55): VDC

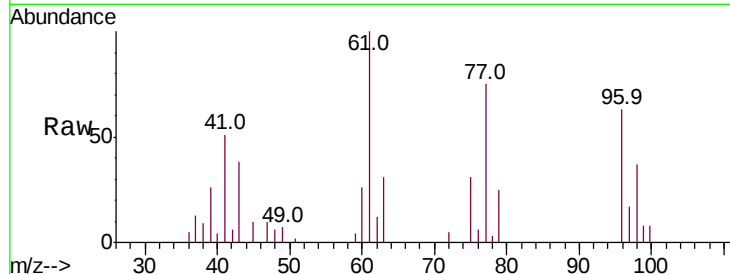




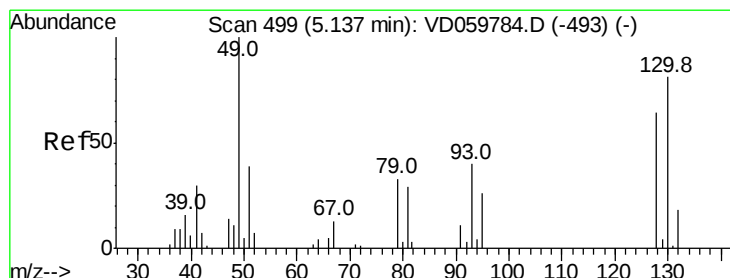
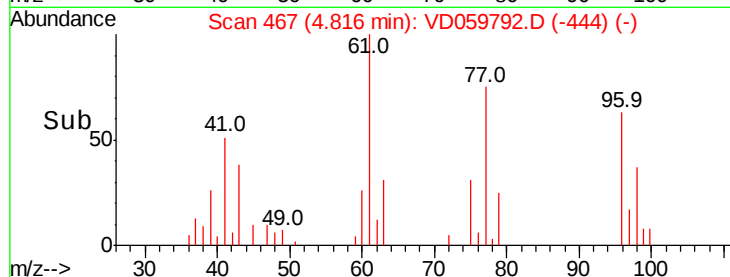
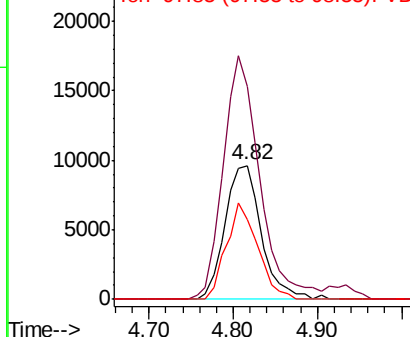
#27
 cis-1,2-Dichloroethene
 Concen: 10.775 ug/l
 RT: 4.82 min Scan# 467
 Delta R.T. 0.02 min
 Lab File: VD059792.D
 Acq: 15 Aug 2018 5:33

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion: 96 Resp: 28930
 Ion Ratio Lower Upper
 96 100
 61 159.5 0.0 351.6
 98 59.4 0.0 135.2

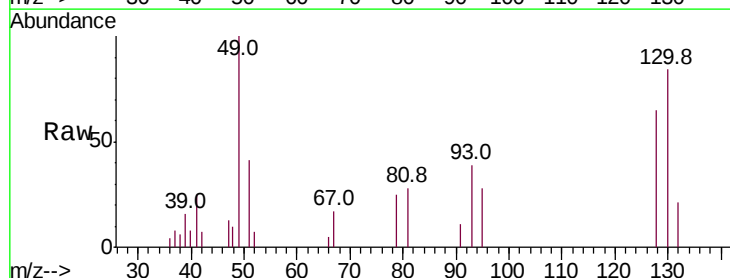


Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC

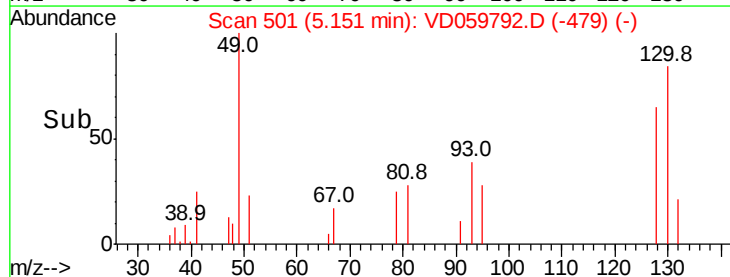
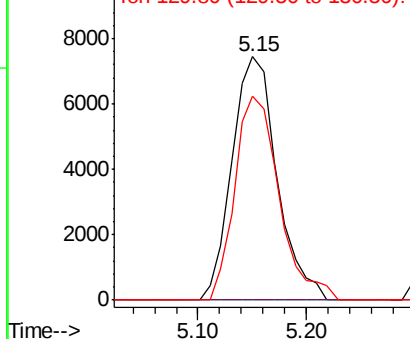


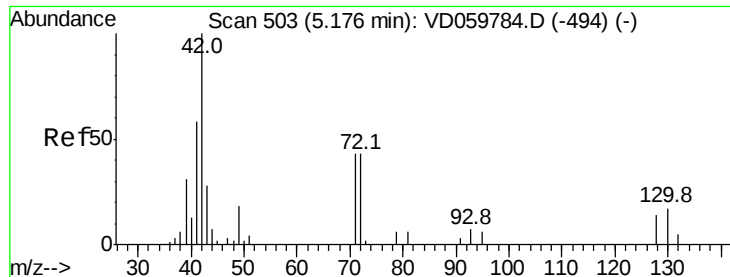
#28
 Bromochloromethane
 Concen: 10.949 ug/l
 RT: 5.15 min Scan# 501
 Delta R.T. 0.01 min
 Lab File: VD059792.D
 Acq: 15 Aug 2018 5:33

Tgt Ion: 49 Resp: 21485
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 7.0
 130 83.8 64.8 97.2



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





#29

Tetrahydrofuran

Concen: 57.388 ug/l

RT: 5.19 min Scan# 505

Delta R.T. 0.01 min

Lab File: VD059792.D

Acq: 15 Aug 2018 5:33

Instrument :
MSVOA_D
ClientSampleId :

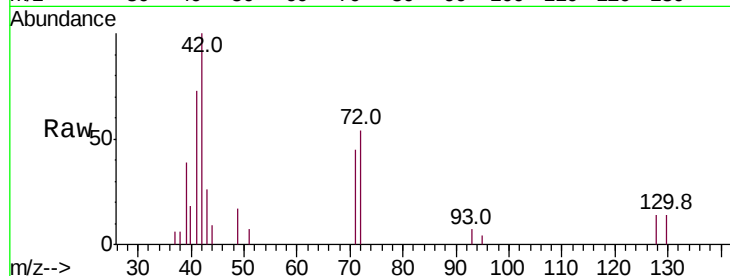
Tot Ion: 42 Resp: 20943

Ion Ratio Lower Upper

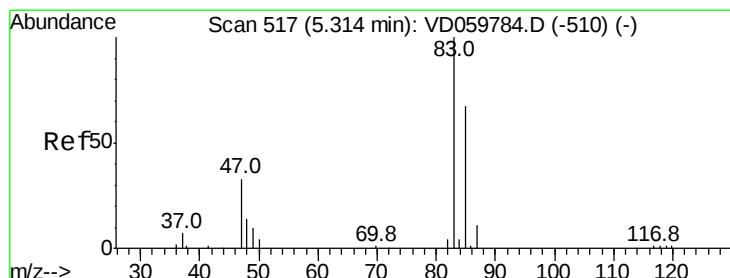
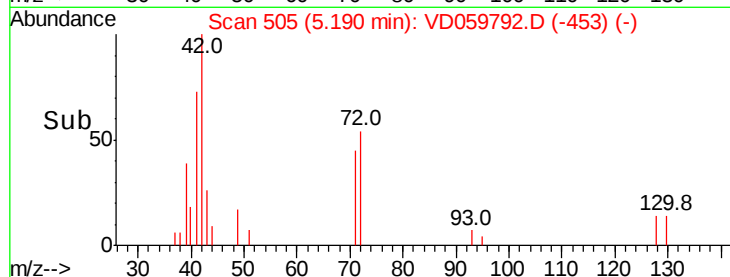
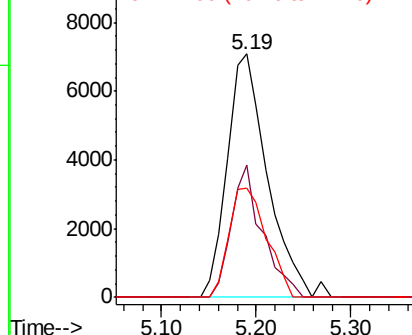
42 100

72 42.0 34.3 51.5

71 41.7 33.0 49.6



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



#30

Chloroform

Concen: 10.263 ug/l

RT: 5.33 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD059792.D

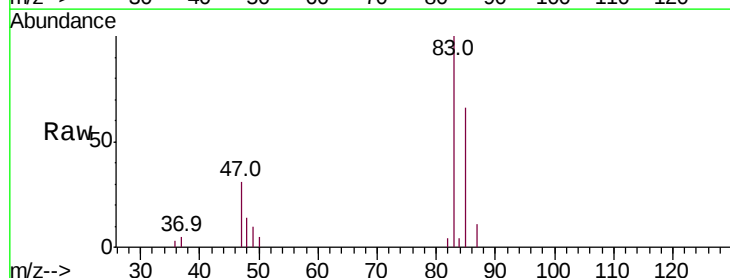
Acq: 15 Aug 2018 5:33

Tgt Ion: 83 Resp: 61627

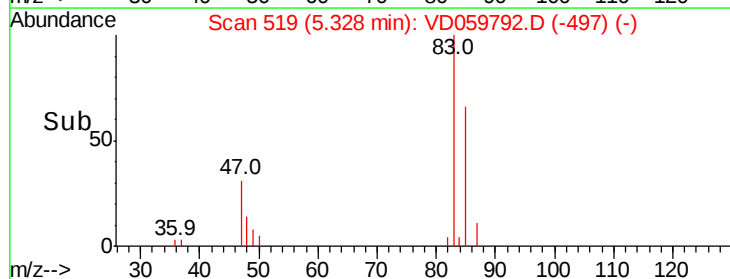
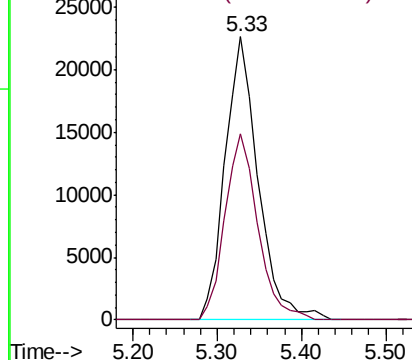
Ion Ratio Lower Upper

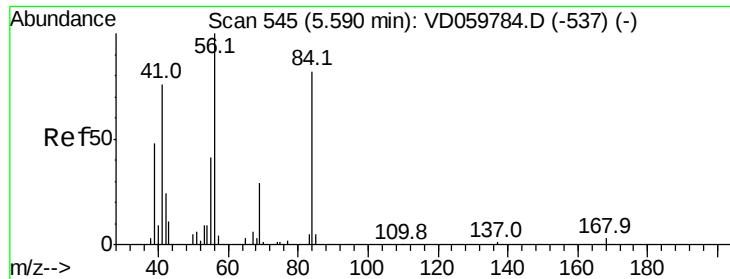
83 100

85 65.8 53.4 80.2



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

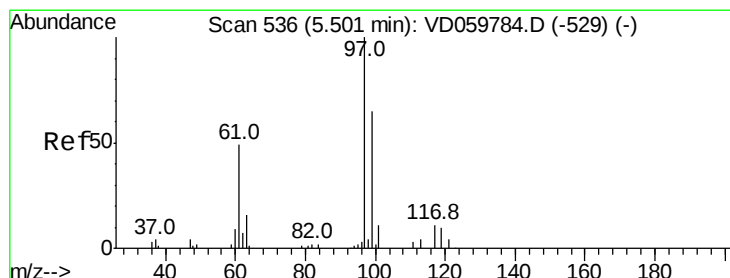
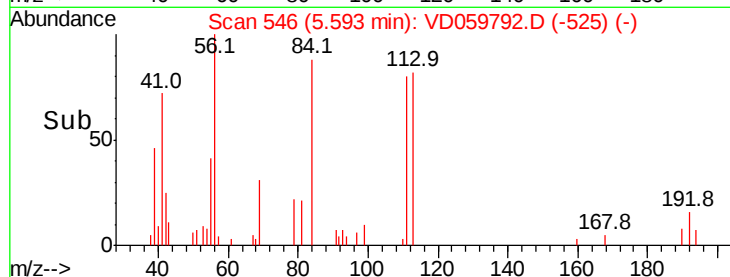
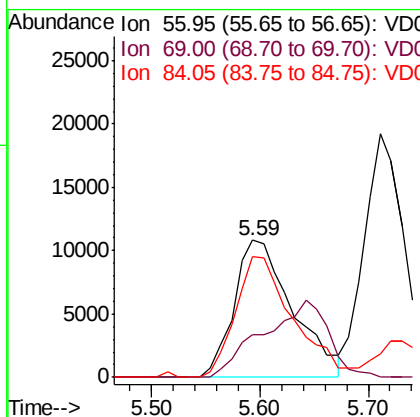
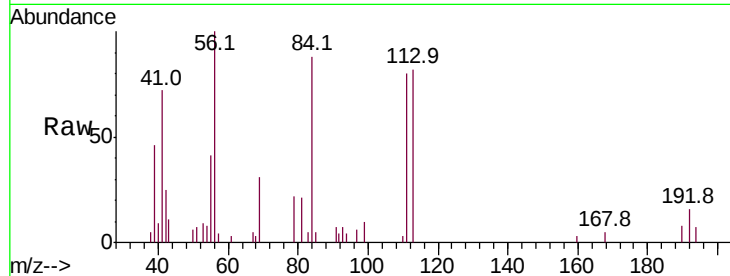




#31
Cyclohexane
Concen: 11.312 ug/l
RT: 5.59 min Scan# 546
Delta R.T. 0.00 min
Lab File: VD059792.D
Acq: 15 Aug 2018 5:33

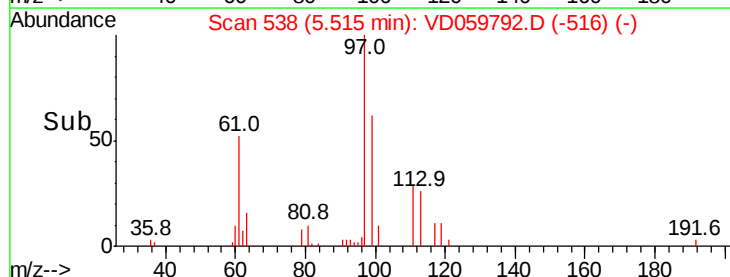
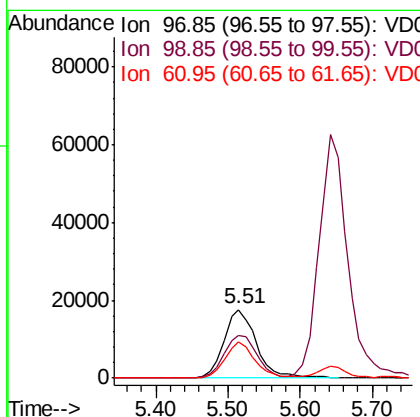
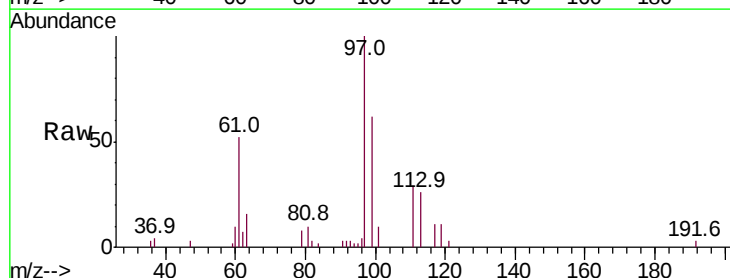
Instrument :
MSVOA_D
ClientSampleId :

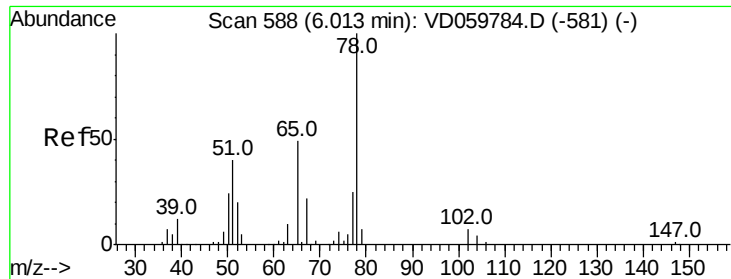
Tot Ion: 56 Resp: 40688
Ion Ratio Lower Upper
56 100
69 30.6 23.4 35.2
84 87.7 65.4 98.2



#32
1,1,1-Trichloroethane
Concen: 10.368 ug/l
RT: 5.51 min Scan# 538
Delta R.T. 0.01 min
Lab File: VD059792.D
Acq: 15 Aug 2018 5:33

Tgt Ion: 97 Resp: 54740
Ion Ratio Lower Upper
97 100
99 62.3 52.2 78.2
61 52.1 39.6 59.4

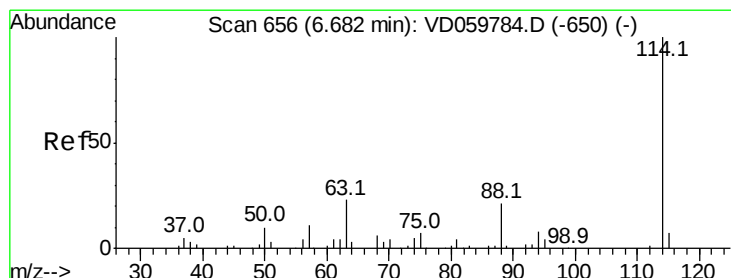
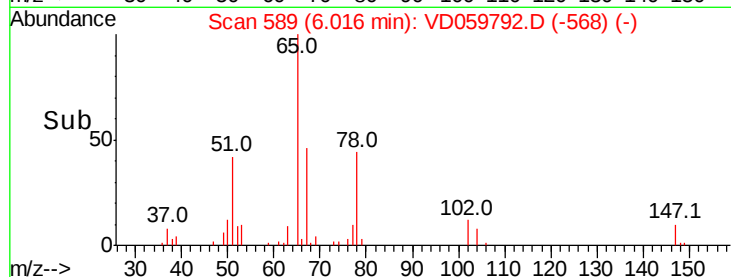
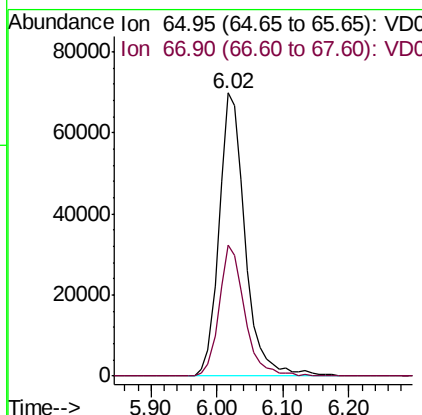
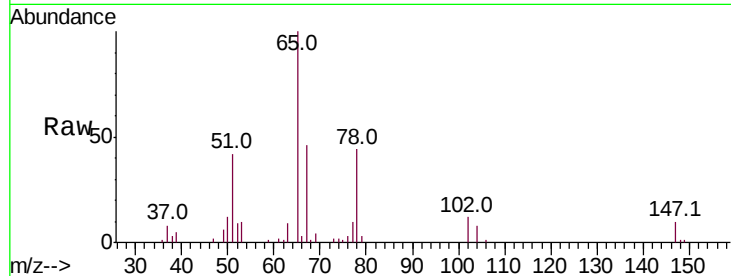




#33
 1,2-Dichloroethane-d4
 Concen: 10.368 ug/l
 RT: 6.02 min Scan# 589
 Delta R.T. 0.00 min
 Lab File: VD059792.D
 Acq: 15 Aug 2018 5:33

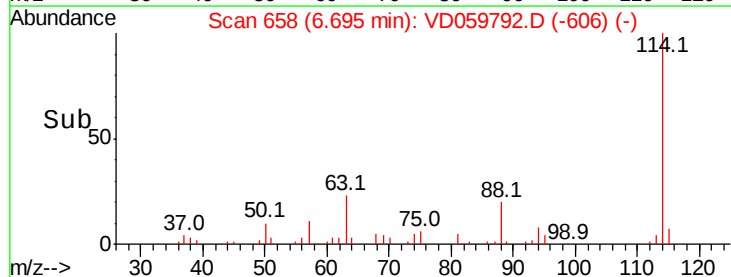
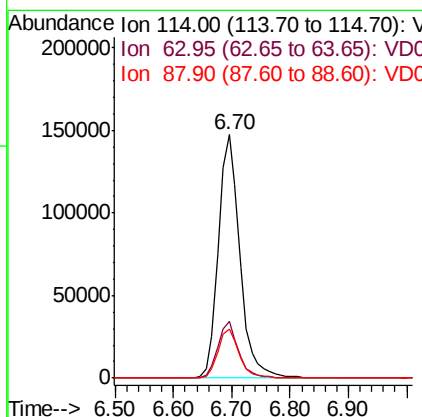
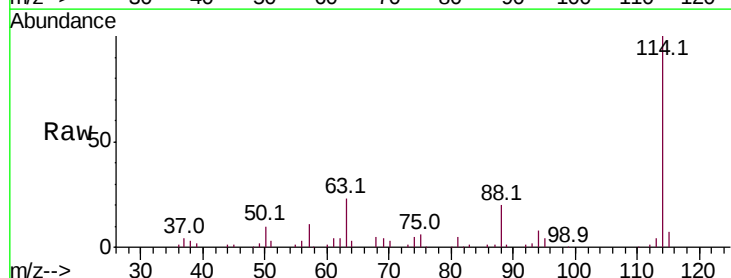
Instrument :
 MSVOA_D
 ClientSampled :

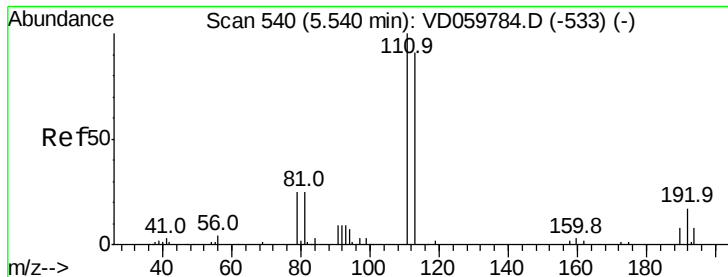
Tot Ion: 65 Resp: 192118
 Ion Ratio Lower Upper
 65 100
 67 46.1 0.0 87.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.70 min Scan# 658
 Delta R.T. 0.01 min
 Lab File: VD059792.D
 Acq: 15 Aug 2018 5:33

Tgt Ion: 114 Resp: 376708
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 45.0
 88 20.4 0.0 41.2

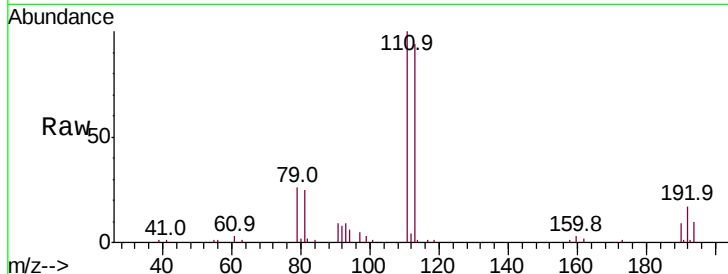




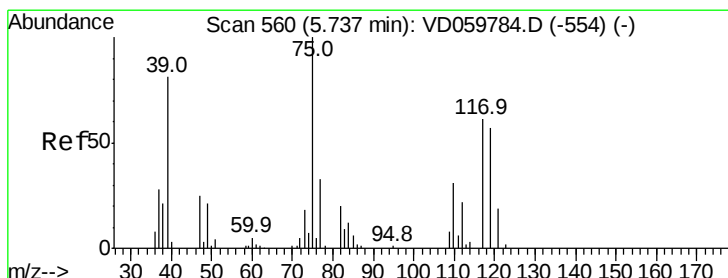
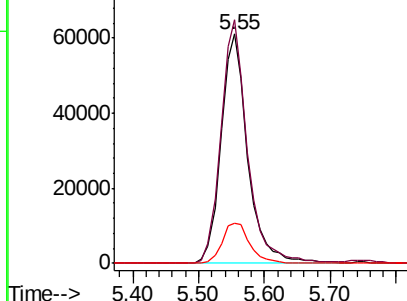
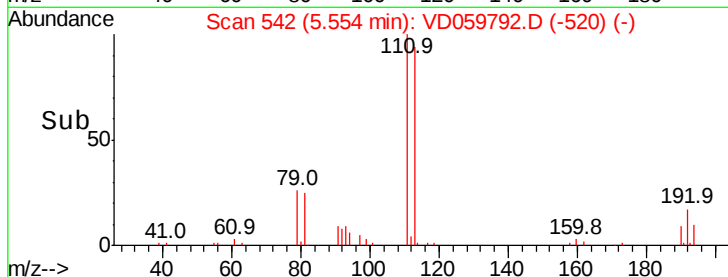
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.55 min Scan# 542
 Delta R.T. 0.01 min
 Lab File: VD059792.D
 Acq: 15 Aug 2018 5:33

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 172054
 Ion Ratio Lower Upper
 113 100
 111 106.2 87.7 131.5
 192 17.6 14.6 21.8

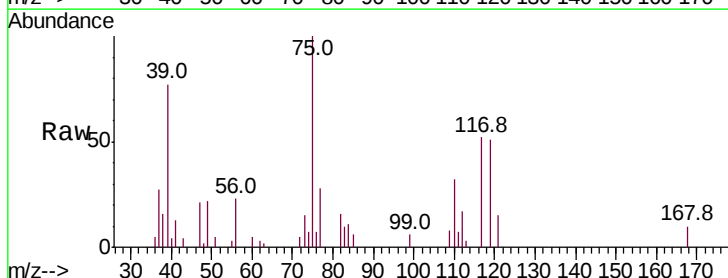


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

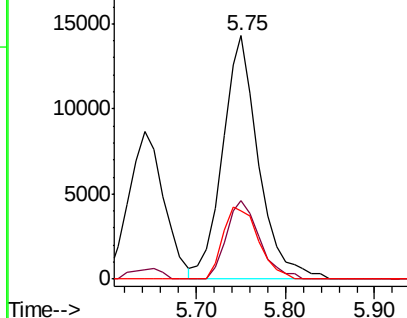
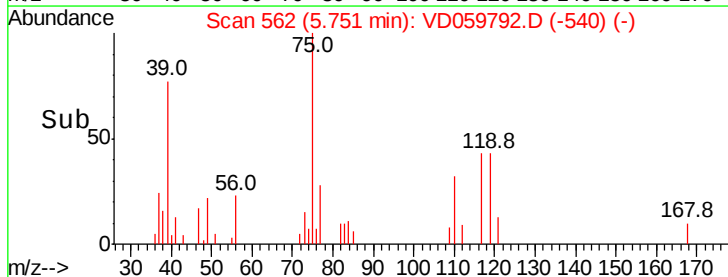


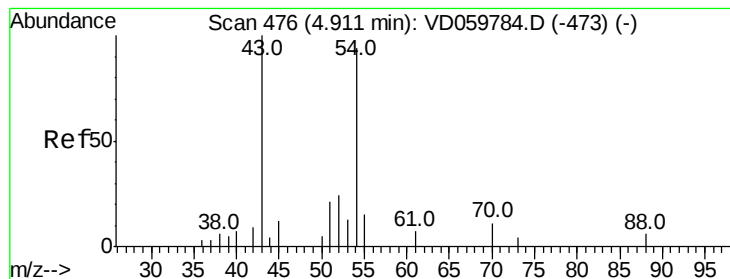
#36
 1,1-Dichloropropene
 Concen: 10.428 ug/l
 RT: 5.75 min Scan# 562
 Delta R.T. 0.01 min
 Lab File: VD059792.D
 Acq: 15 Aug 2018 5:33

Tgt Ion: 75 Resp: 40302
 Ion Ratio Lower Upper
 75 100
 110 32.2 15.3 45.8
 77 28.2 26.2 39.4



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): VDC





#37

Ethyl Acetate

Concen: 12.073 ug/l

RT: 4.92 min Scan# 478

Delta R.T. 0.01 min

Lab File: VD059792.D

Acq: 15 Aug 2018 5:33

Instrument :

MSVOA_D

ClientSampleId :

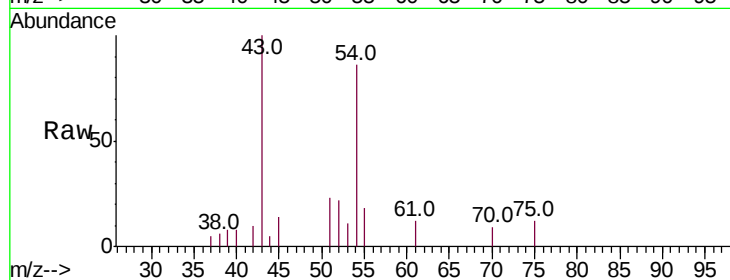
Tot Ion: 43 Resp: 23337

Ion Ratio Lower Upper

43 100

61 11.9 10.2 15.2

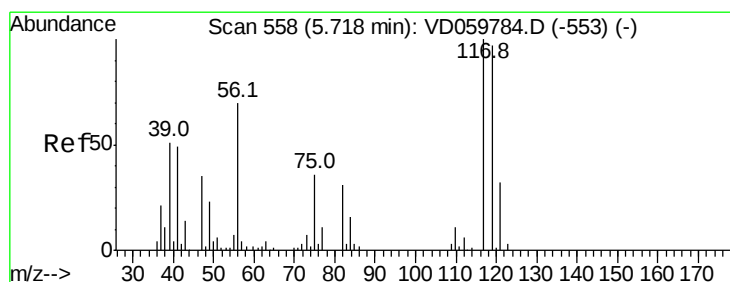
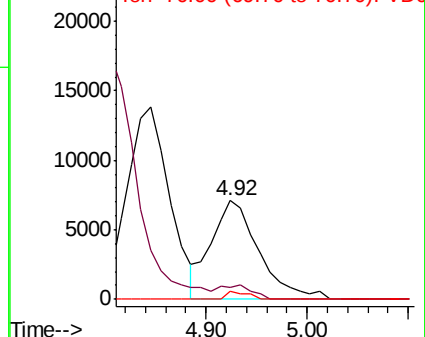
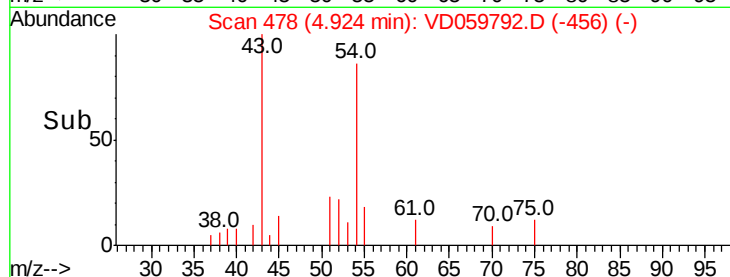
70 8.8 5.8 8.8#



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: 9.872 ug/l

RT: 5.73 min Scan# 560

Delta R.T. 0.01 min

Lab File: VD059792.D

Acq: 15 Aug 2018 5:33

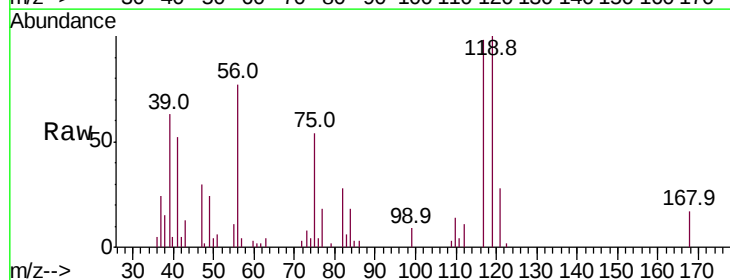
Tgt Ion: 117 Resp: 46030

Ion Ratio Lower Upper

117 100

119 101.8 75.7 113.5

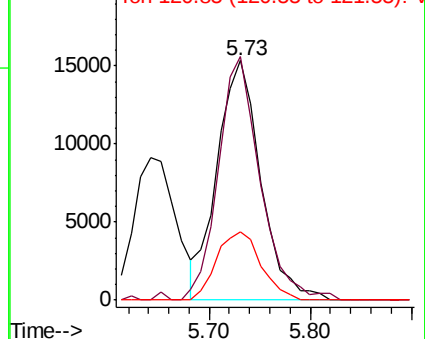
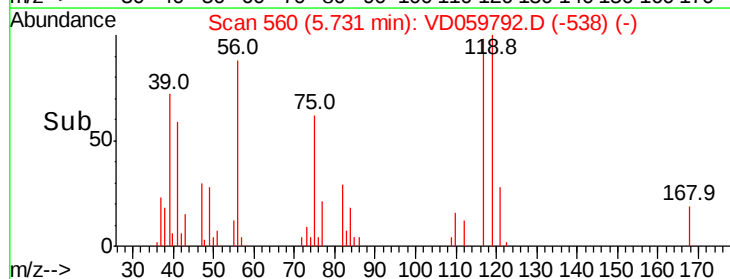
121 28.6 24.7 37.1

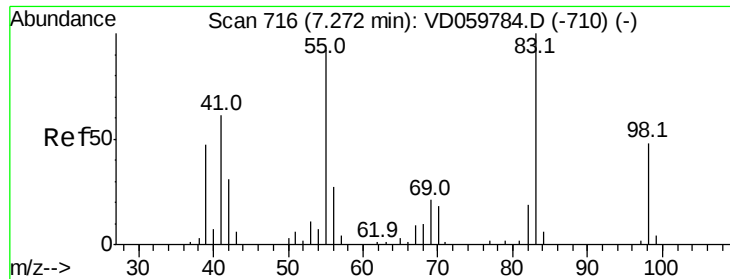


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

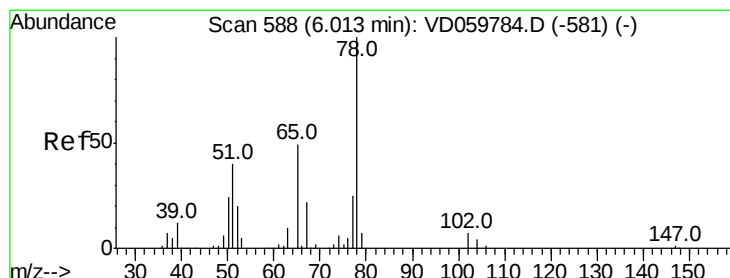
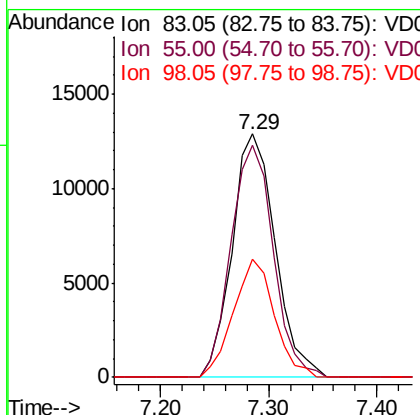
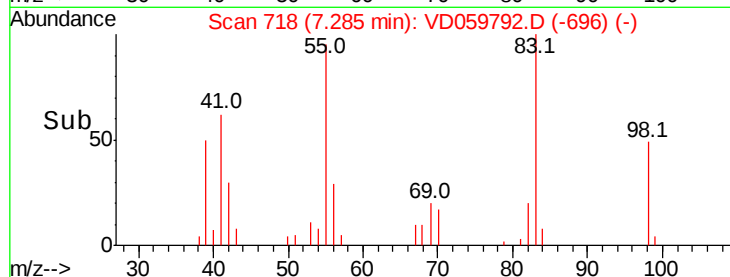
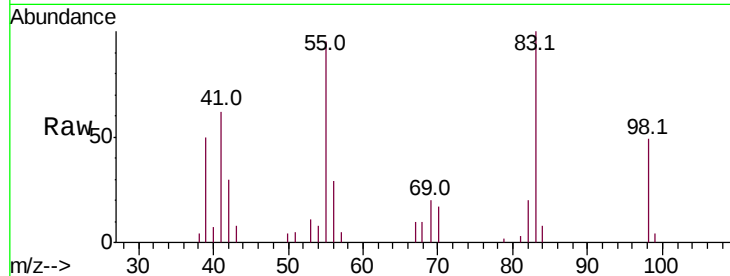




#39
Methylcyclohexane
Concen: 10.697 ug/l
RT: 7.29 min Scan# 718
Delta R.T. 0.01 min
Lab File: VD059792.D
Acq: 15 Aug 2018 5:33

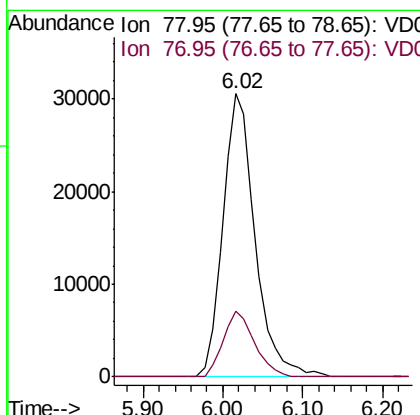
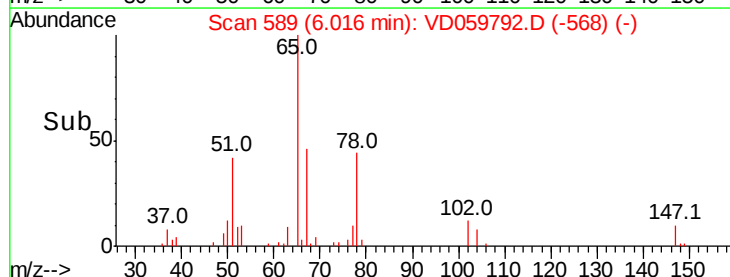
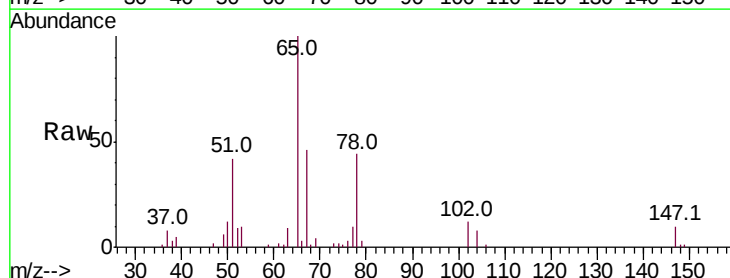
Instrument :
MSVOA_D
ClientSampleId :

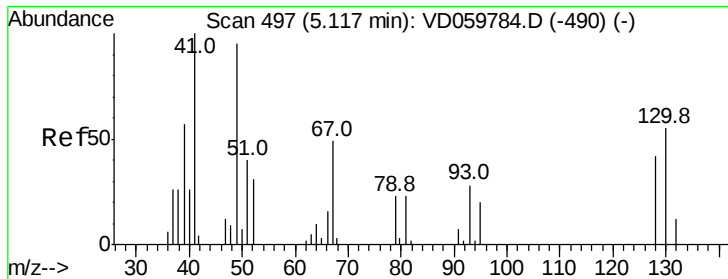
Tot Ion: 83 Resp: 35762
Ion Ratio Lower Upper
83 100
55 95.2 73.8 110.6
98 48.8 38.4 57.6



#40
Benzene
Concen: 10.520 ug/l
RT: 6.02 min Scan# 589
Delta R.T. 0.00 min
Lab File: VD059792.D
Acq: 15 Aug 2018 5:33

Tgt Ion: 78 Resp: 86242
Ion Ratio Lower Upper
78 100
77 23.1 19.6 29.4





#41

Methacrylonitrile

Concen: 11.417 ug/l

RT: 5.13 min Scan# 499

Delta R.T. 0.01 min

Lab File: VD059792.D

Acq: 15 Aug 2018 5:33

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 10559

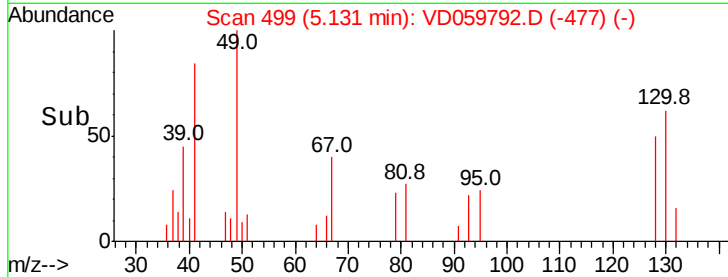
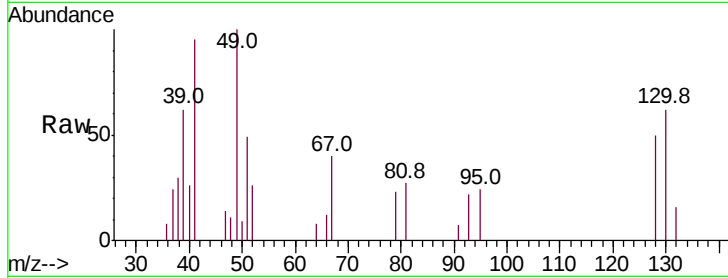
Ion	Ratio	Lower	Upper
41	100		
39	65.0	45.4	68.2
67	42.1	39.5	59.3
52	26.7	24.8	37.2

41 100

39 65.0 45.4 68.2

67 42.1 39.5 59.3

52 26.7 24.8 37.2

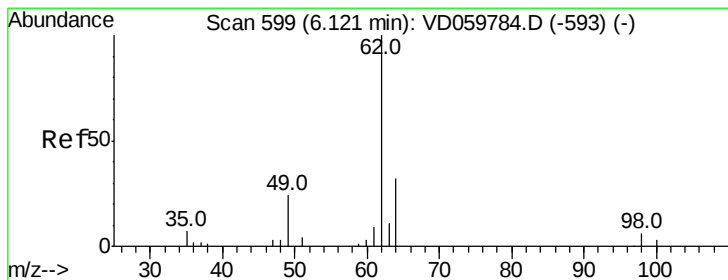
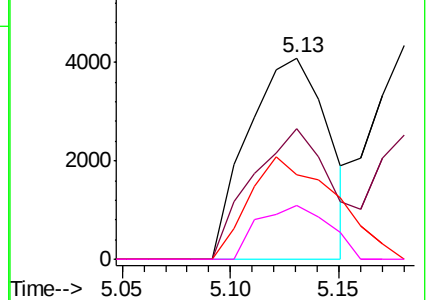


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 10.308 ug/l

RT: 6.13 min Scan# 601

Delta R.T. 0.01 min

Lab File: VD059792.D

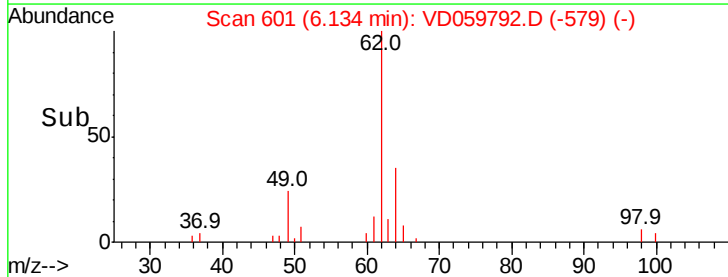
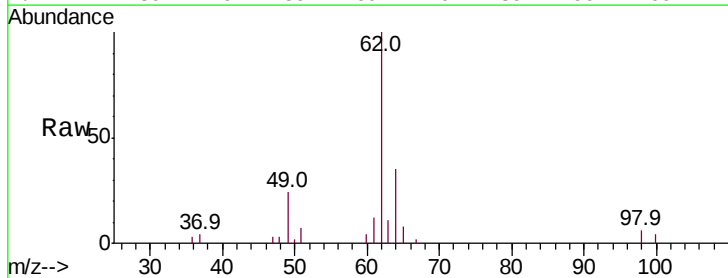
Acq: 15 Aug 2018 5:33

Tgt Ion: 62 Resp: 45735

Ion	Ratio	Lower	Upper
62	100		
98	6.3	0.0	12.0

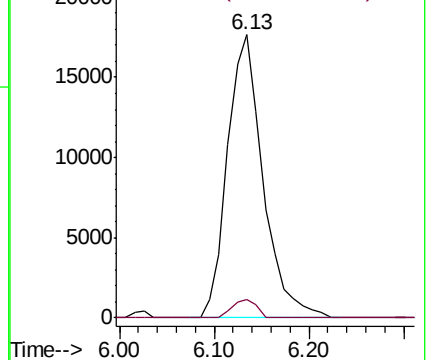
62 100

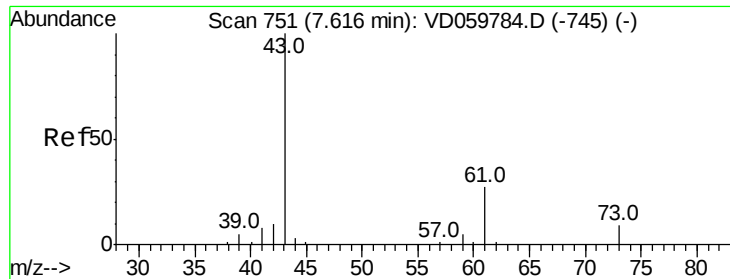
98 6.3 0.0 12.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



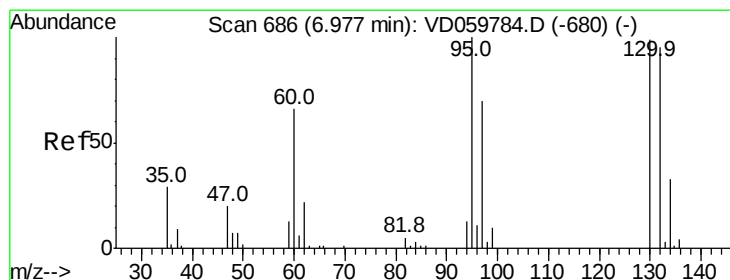
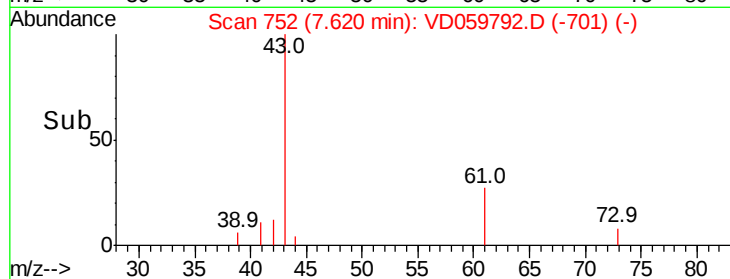
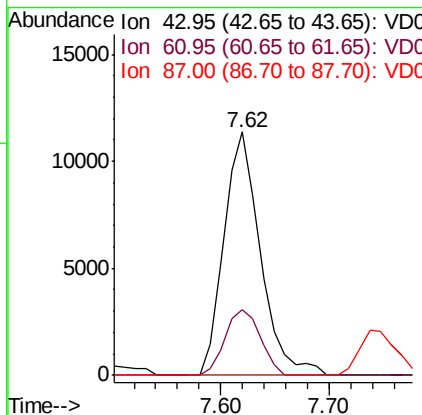
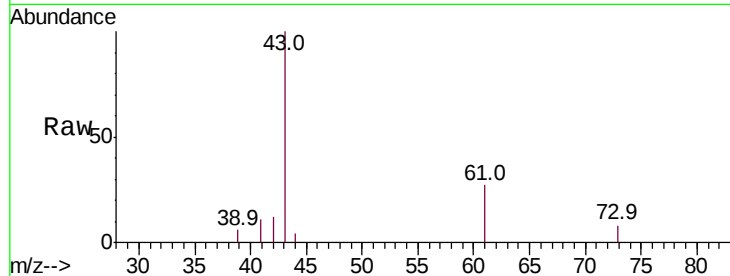


#43

Isopropyl Acetate
 Concen: 10.891 ug/l
 RT: 7.62 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: VD059792.D
 Acq: 15 Aug 2018 5:33

Instrument :
 MSVOA_D
 ClientSampleID :

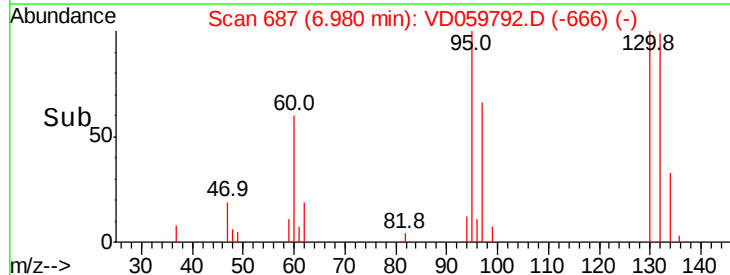
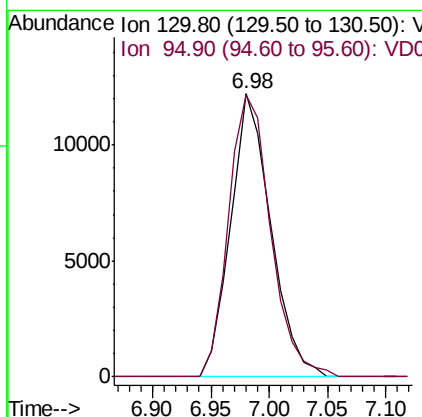
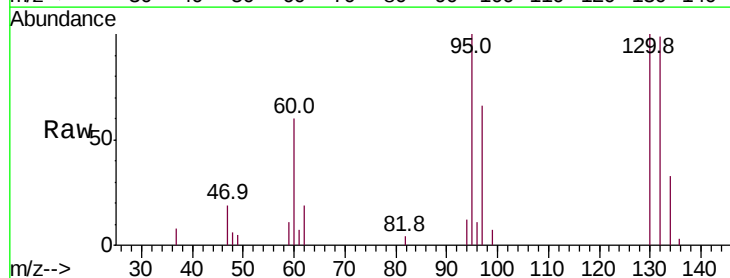
Tot Ion	Ratio	Lower	Upper
43	100		
61	27.2	21.2	31.8
87	0.0	0.0	0.0

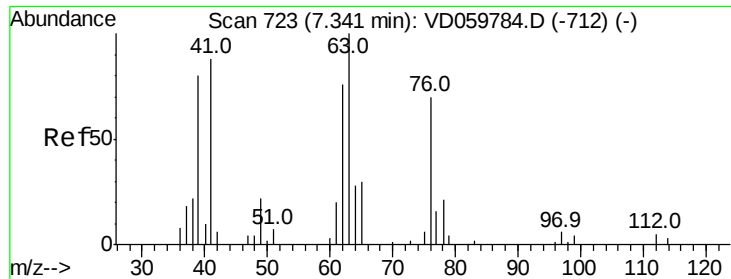


#44

Trichloroethene
 Concen: 10.374 ug/l
 RT: 6.98 min Scan# 687
 Delta R.T. 0.00 min
 Lab File: VD059792.D
 Acq: 15 Aug 2018 5:33

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.8	0.0	201.2





#45

1,2-Dichloropropane

Concen: 11.178 ug/l

RT: 7.35 min Scan# 725

Delta R.T. 0.01 min

Lab File: VD059792.D

Acq: 15 Aug 2018 5:33

Instrument :

MSVOA_D

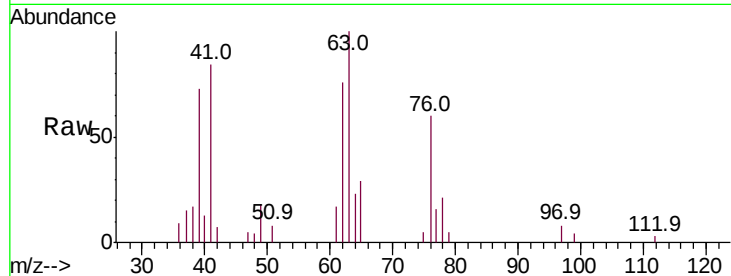
ClientSampleId :

Tot Ion: 63 Resp: 23819

Ion Ratio Lower Upper

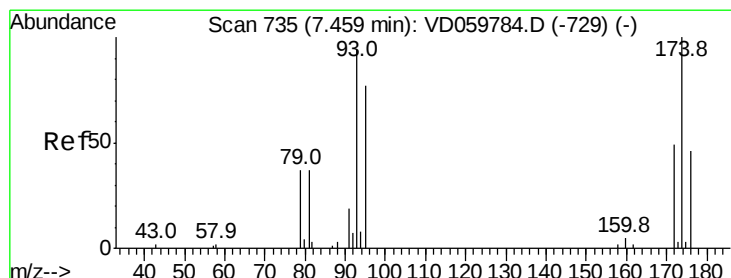
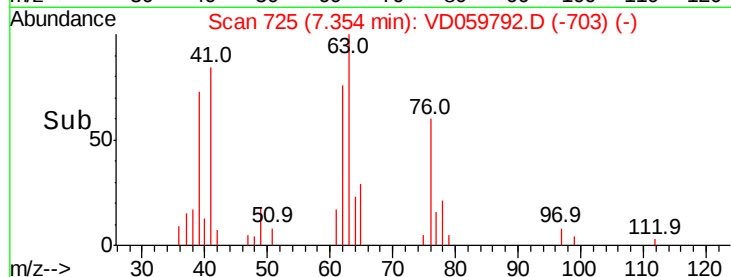
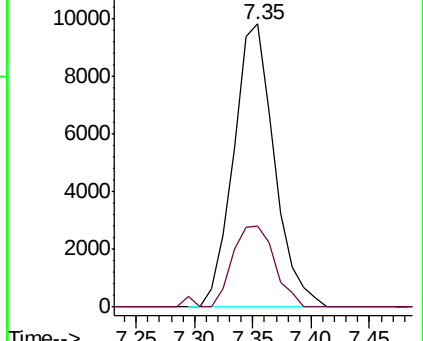
63 100

65 28.8 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: 9.683 ug/l

RT: 7.46 min Scan# 736

Delta R.T. 0.00 min

Lab File: VD059792.D

Acq: 15 Aug 2018 5:33

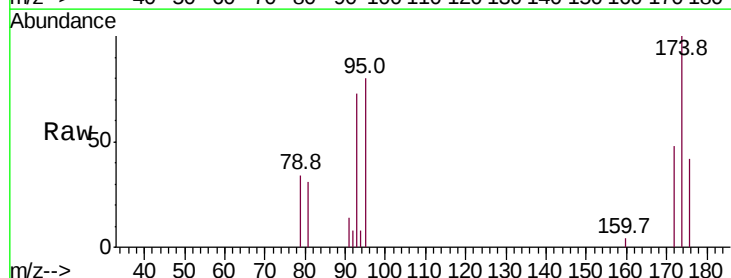
Tgt Ion: 93 Resp: 16875

Ion Ratio Lower Upper

93 100

95 109.7 66.2 99.4#

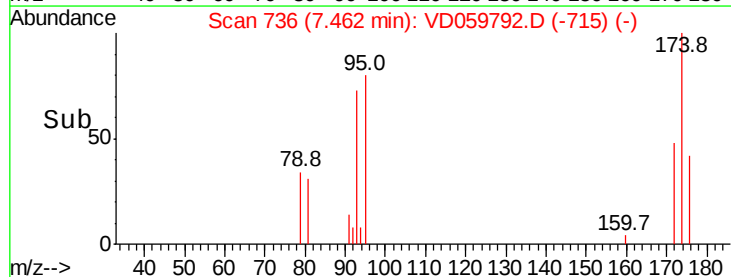
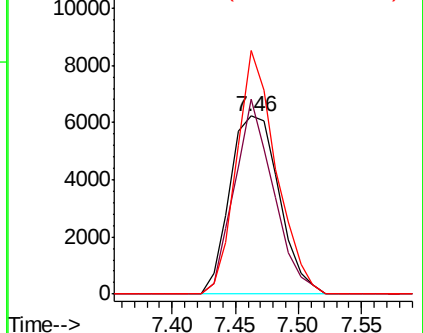
174 136.7 85.5 128.3#

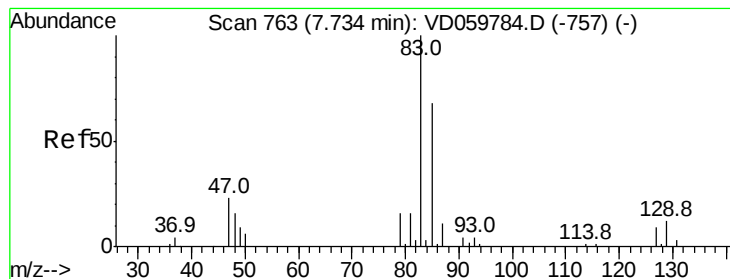


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 10.155 ug/l

RT: 7.75 min Scan# 765

Delta R.T. 0.01 min

Lab File: VD059792.D

Acq: 15 Aug 2018 5:33

Instrument :

MSVOA_D

ClientSampleId :

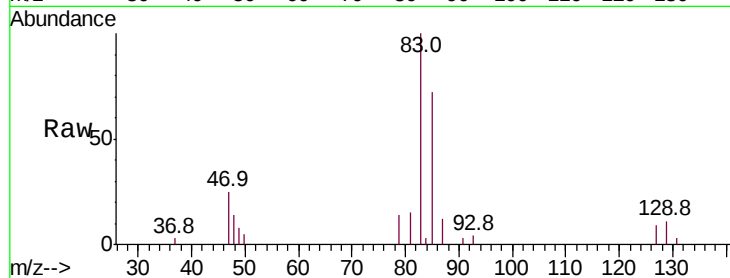
Tot Ion: 83 Resp: 43361

Ion Ratio Lower Upper

83 100

85 71.5 54.1 81.1

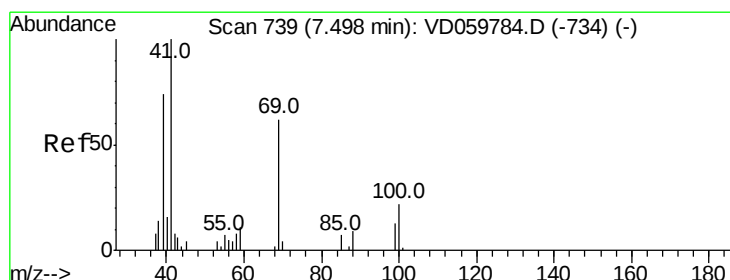
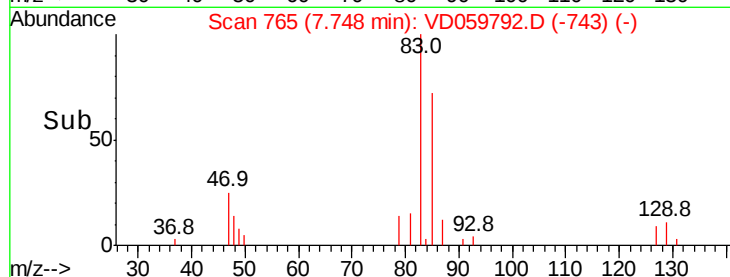
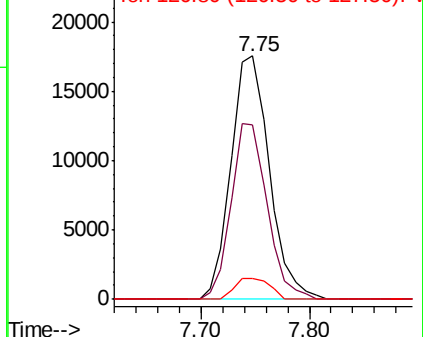
127 8.7 7.5 11.3



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: 11.407 ug/l

RT: 7.50 min Scan# 740

Delta R.T. 0.00 min

Lab File: VD059792.D

Acq: 15 Aug 2018 5:33

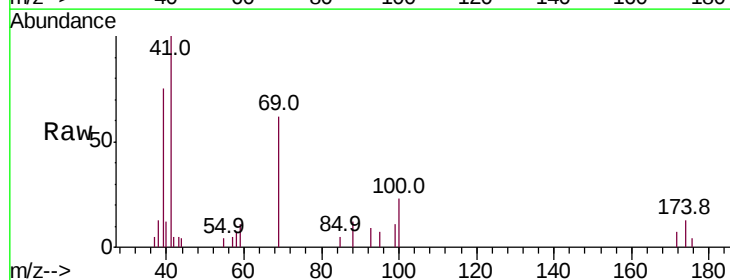
Tgt Ion: 41 Resp: 18169

Ion Ratio Lower Upper

41 100

69 62.4 49.8 74.8

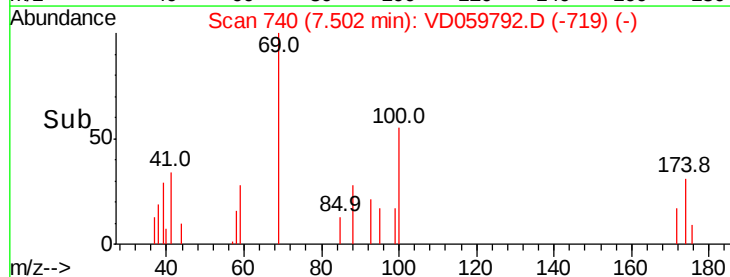
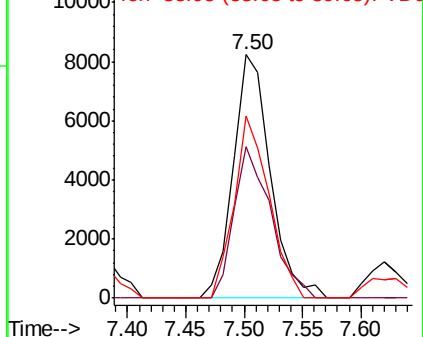
39 74.6 59.0 88.4

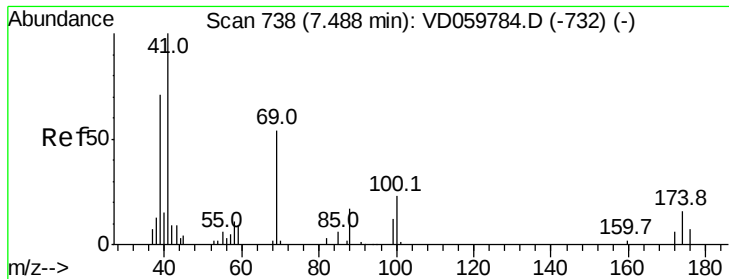


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 189.338 ug/l

RT: 7.50 min Scan# 740

Delta R.T. 0.01 min

Lab File: VD059792.D

Acq: 15 Aug 2018 5:33

Instrument :
MSVOA_D
ClientSampleId :

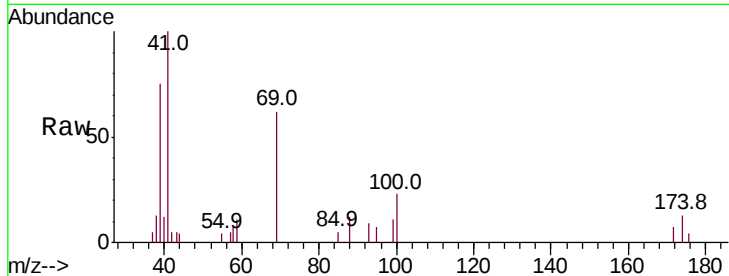
Tot Ion: 88 Resp: 2656

Ion Ratio Lower Upper

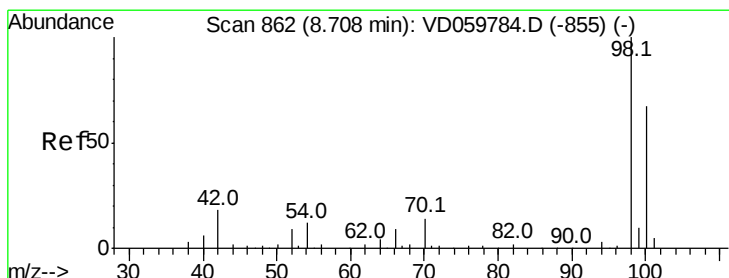
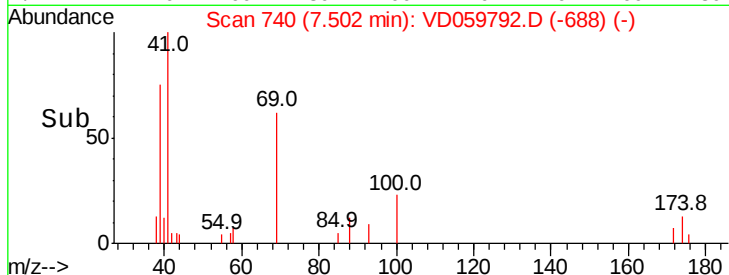
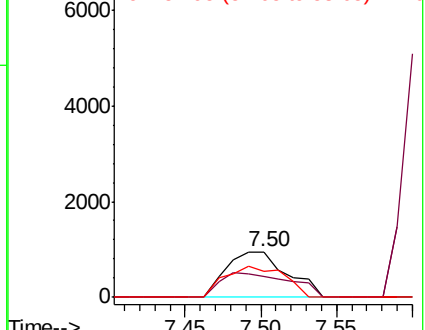
88 100

43 44.8 42.0 63.0

58 57.5 51.4 77.0



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



#50

Toluene-d8

Concen: 189.338 ug/l

RT: 8.71 min Scan# 863

Delta R.T. 0.00 min

Lab File: VD059792.D

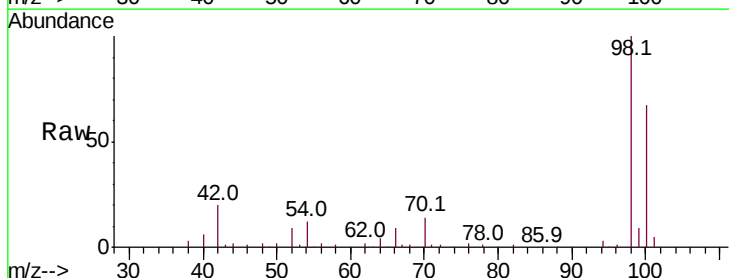
Acq: 15 Aug 2018 5:33

Tgt Ion: 98 Resp: 399435

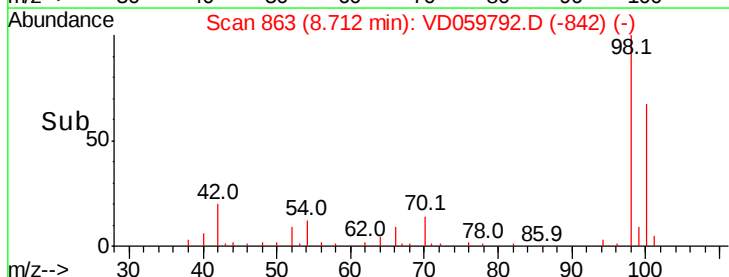
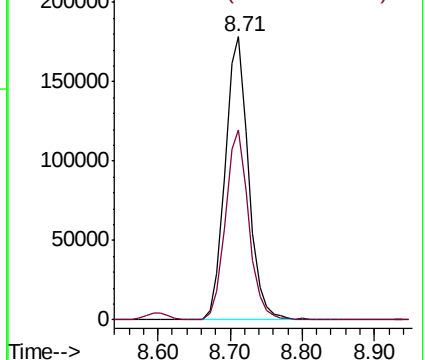
Ion Ratio Lower Upper

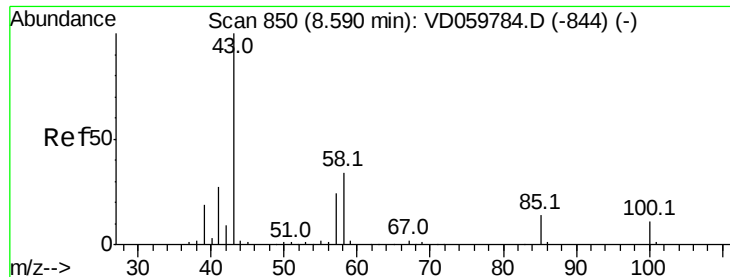
98 100

100 67.3 54.2 81.4



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





#51

4-Methyl-2-Pentanone

Concen: 49.946 ug/l

RT: 8.59 min Scan# 851

Delta R.T. 0.00 min

Lab File: VD059792.D

Acq: 15 Aug 2018 5:33

Instrument :

MSVOA_D

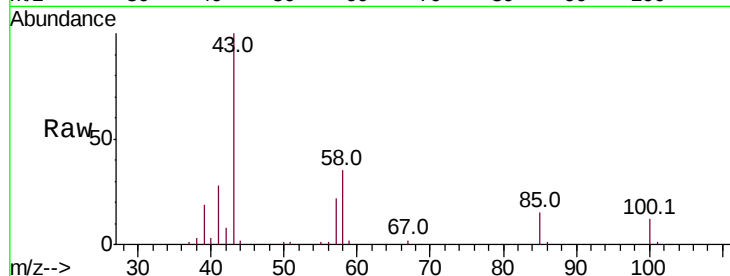
ClientSampleId :

Tot Ion: 43 Resp: 92160

Ion Ratio Lower Upper

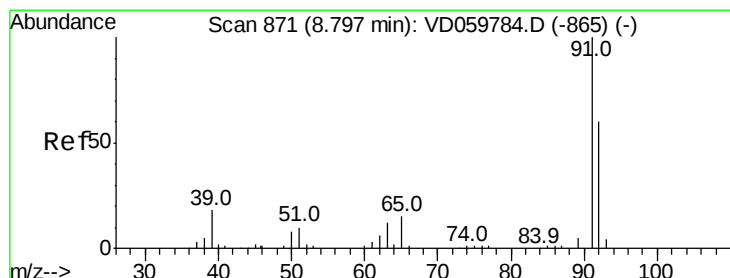
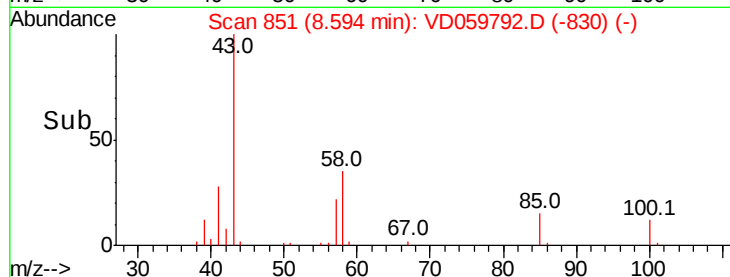
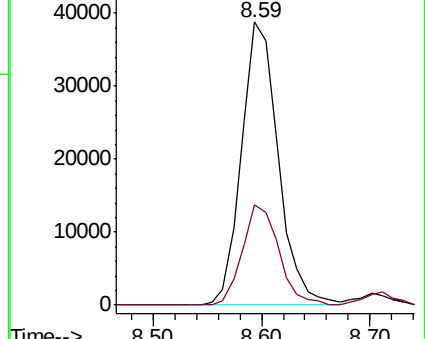
43 100

58 35.5 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: 10.279 ug/l

RT: 8.80 min Scan# 872

Delta R.T. 0.00 min

Lab File: VD059792.D

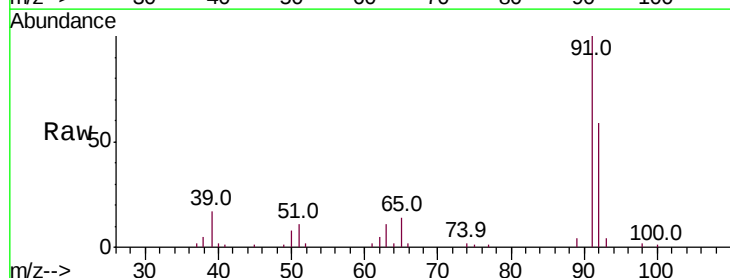
Acq: 15 Aug 2018 5:33

Tgt Ion: 92 Resp: 53984

Ion Ratio Lower Upper

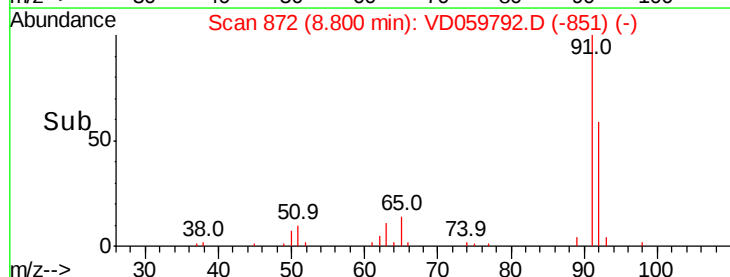
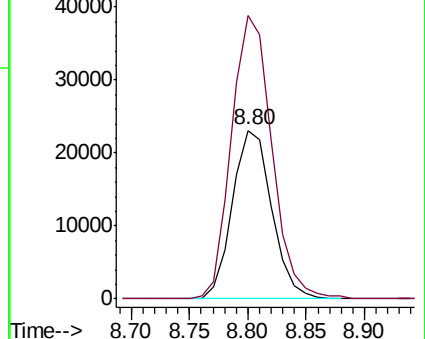
92 100

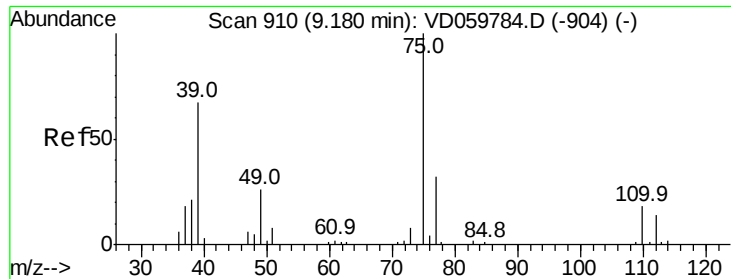
91 168.3 133.1 199.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

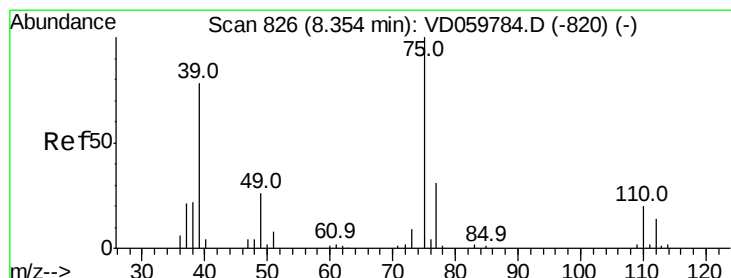
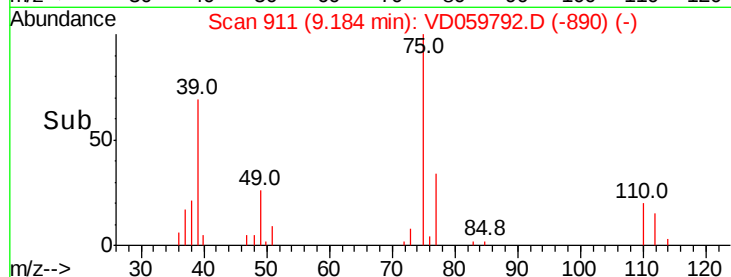
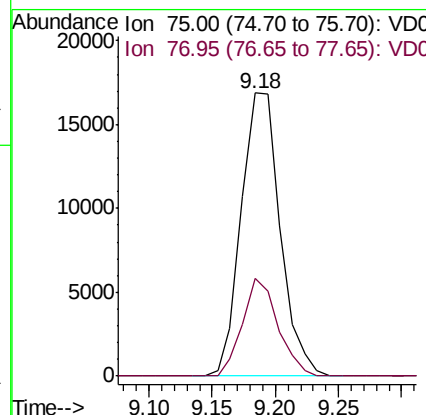
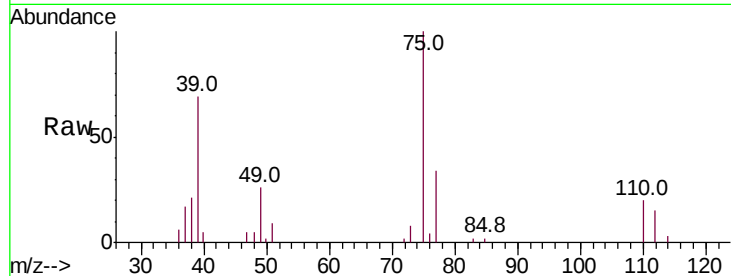




#53
 t-1,3-Dichloropropene
 Concen: 10.233 ug/l
 RT: 9.18 min Scan# 911
 Delta R.T. 0.00 min
 Lab File: VD059792.D
 Acq: 15 Aug 2018 5:33

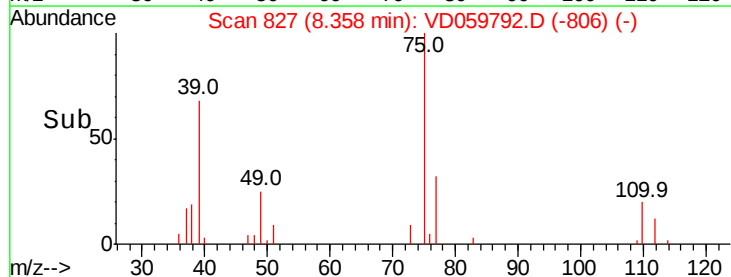
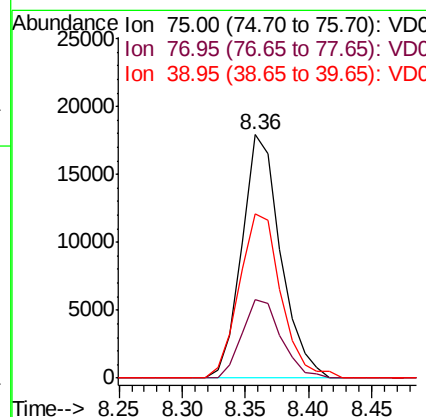
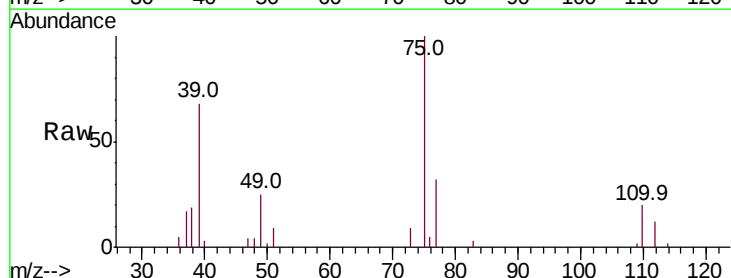
Instrument :
 MSVOA_D
 ClientSampled :

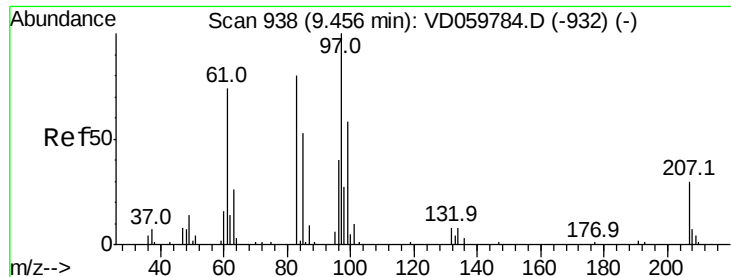
Tot Ion: 75 Resp: 36230
 Ion Ratio Lower Upper
 75 100
 77 34.4 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 9.948 ug/l
 RT: 8.36 min Scan# 827
 Delta R.T. 0.00 min
 Lab File: VD059792.D
 Acq: 15 Aug 2018 5:33

Tgt Ion: 75 Resp: 38063
 Ion Ratio Lower Upper
 75 100
 77 32.0 24.8 37.2
 39 67.6 62.5 93.7





#55

1,1,2-Trichloroethane

Concen: 10.911 ug/l

RT: 9.45 min Scan# 938

Delta R.T. -0.01 min

Lab File: VD059792.D

Acq: 15 Aug 2018 5:33

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 97 Resp: 21155

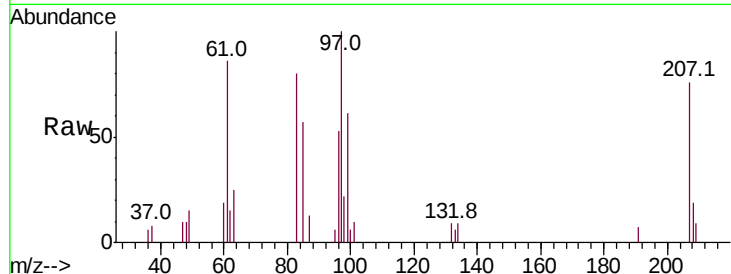
Ion Ratio Lower Upper

97 100

83 79.6 63.8 95.8

85 56.7 42.5 63.7

99 61.2 46.2 69.4

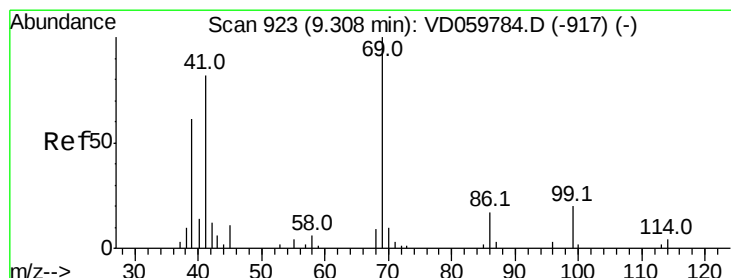
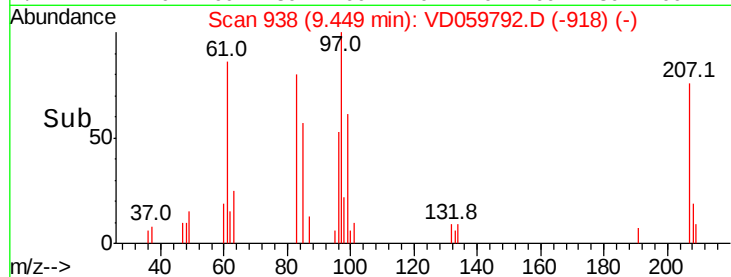
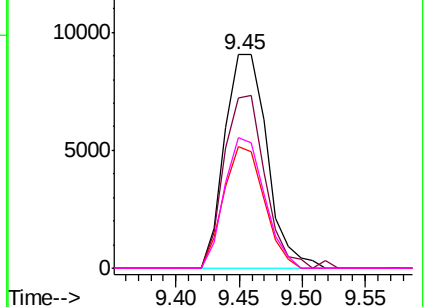


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 10.451 ug/l

RT: 9.31 min Scan# 924

Delta R.T. 0.00 min

Lab File: VD059792.D

Acq: 15 Aug 2018 5:33

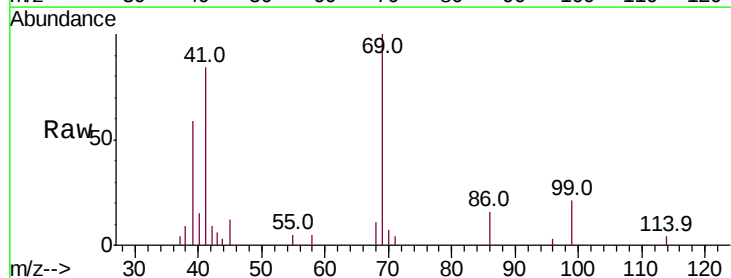
Tgt Ion: 69 Resp: 21944

Ion Ratio Lower Upper

69 100

41 84.0 65.8 98.8

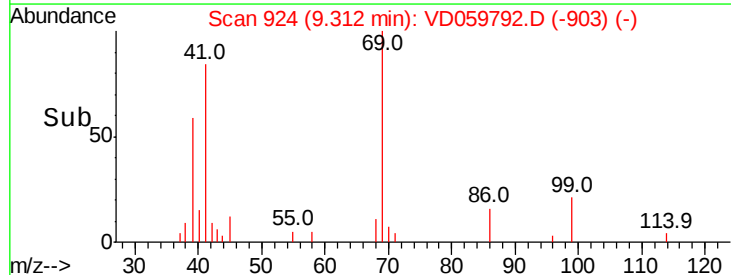
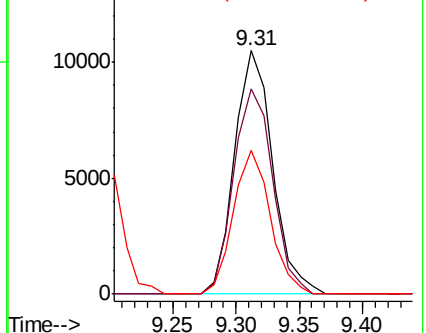
39 59.0 49.7 74.5

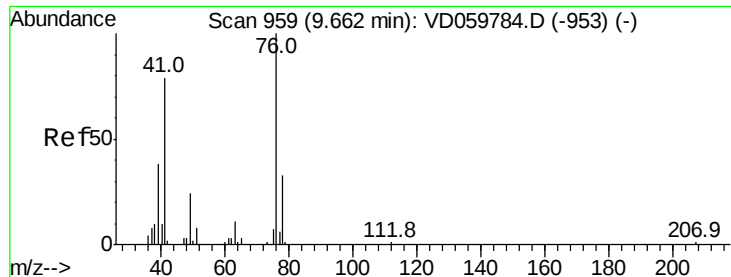


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 10.710 ug/l

RT: 9.67 min Scan# 960

Delta R.T. 0.00 min

Lab File: VD059792.D

Acq: 15 Aug 2018 5:33

Instrument :

MSVOA_D

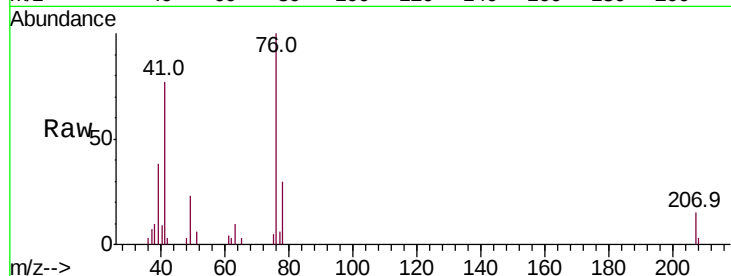
ClientSampleId :

Tot Ion: 76 Resp: 32528

Ion Ratio Lower Upper

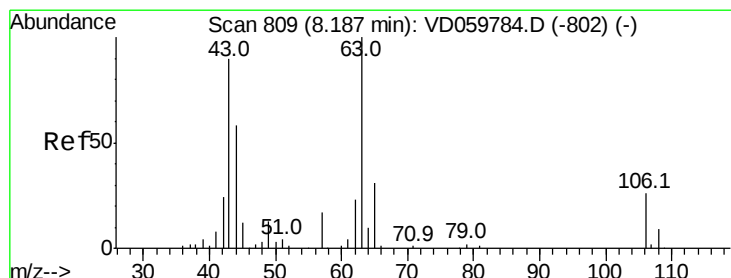
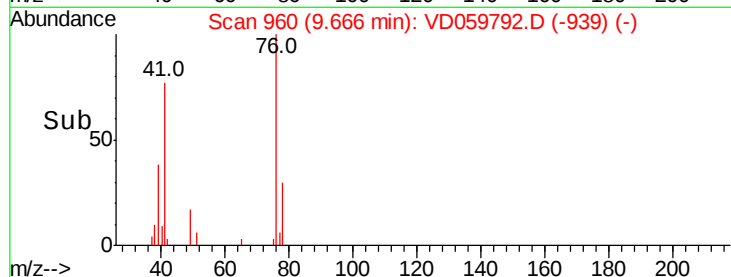
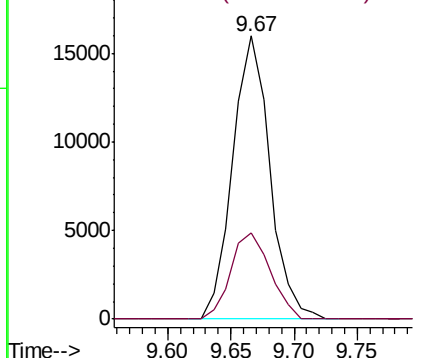
76 100

78 30.4 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: 56.474 ug/l

RT: 8.19 min Scan# 810

Delta R.T. 0.00 min

Lab File: VD059792.D

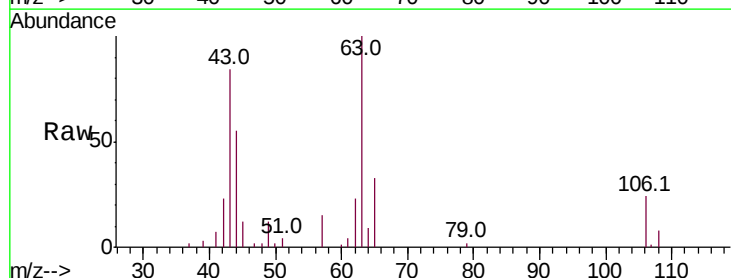
Acq: 15 Aug 2018 5:33

Tgt Ion: 63 Resp: 58608

Ion Ratio Lower Upper

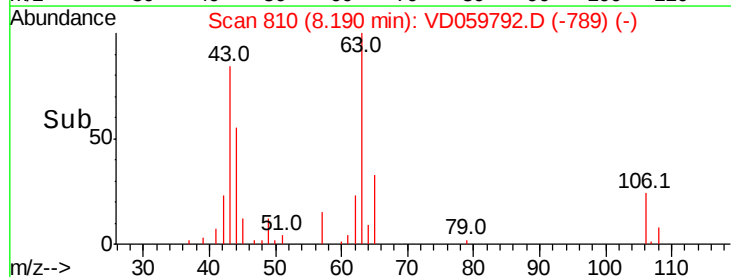
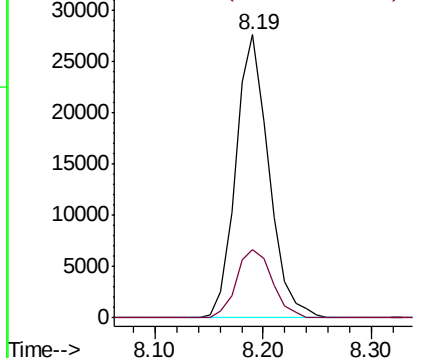
63 100

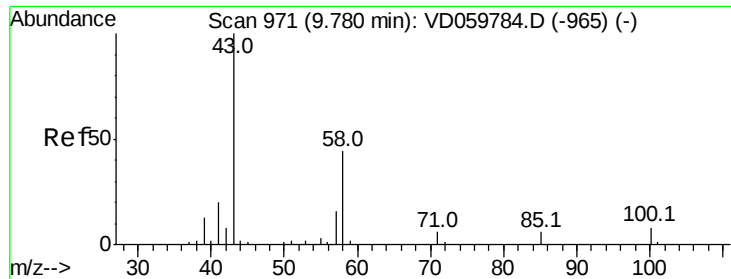
106 24.1 21.1 31.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

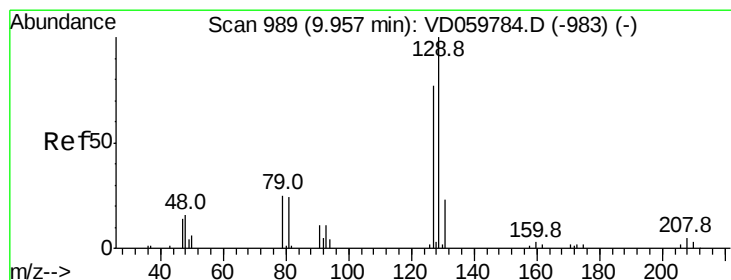
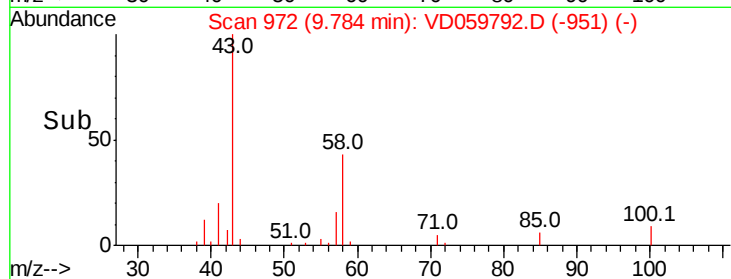
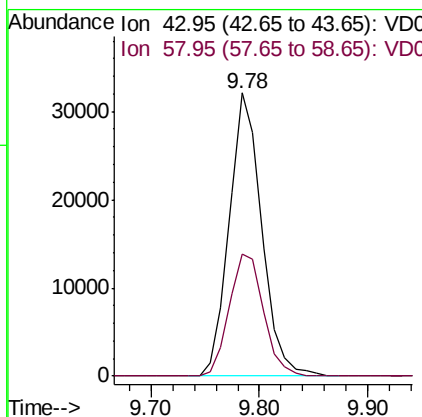
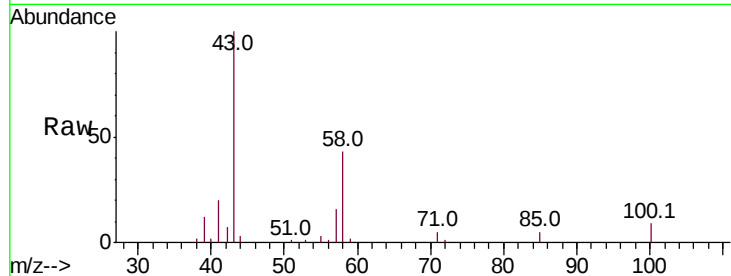




#59
2-Hexanone
Concen: 50.513 ug/l
RT: 9.78 min Scan# 972
Delta R.T. 0.00 min
Lab File: VD059792.D
Acq: 15 Aug 2018 5:33

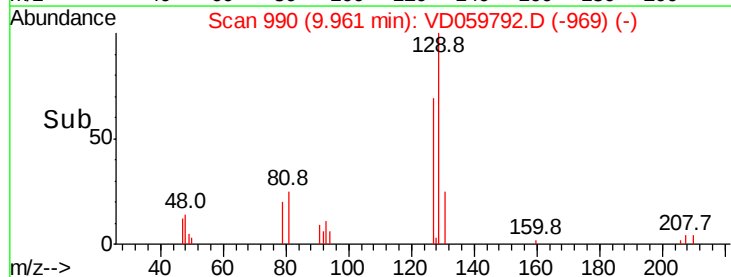
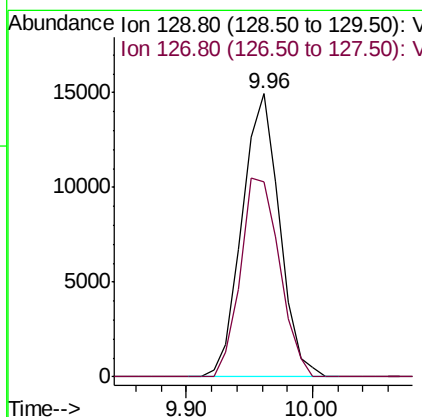
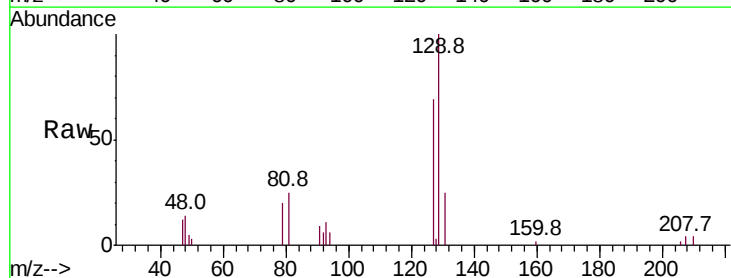
Instrument :
MSVOA_D
ClientSampleId :

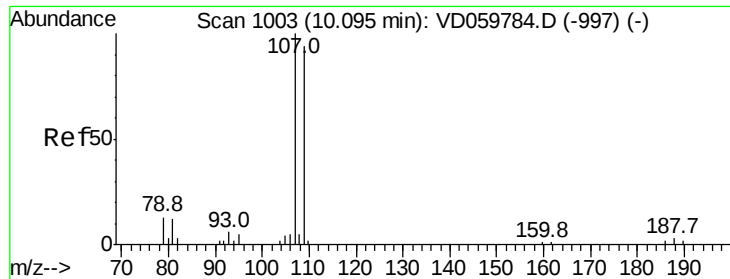
Tot Ion: 43 Resp: 66835
Ion Ratio Lower Upper
43 100
58 43.0 22.3 66.8



#60
Dibromochloromethane
Concen: 10.919 ug/l
RT: 9.96 min Scan# 990
Delta R.T. 0.00 min
Lab File: VD059792.D
Acq: 15 Aug 2018 5:33

Tgt Ion:129 Resp: 30738
Ion Ratio Lower Upper
129 100
127 69.1 38.4 115.1

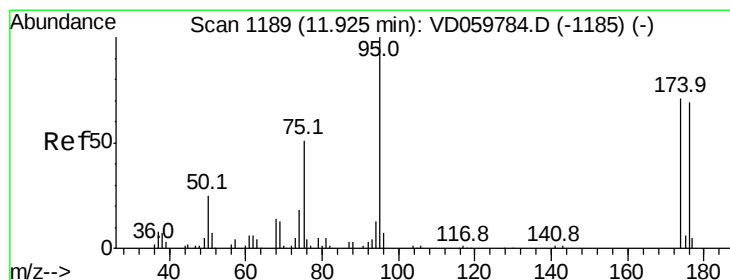
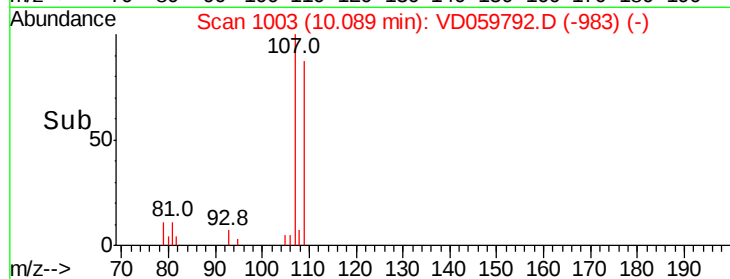
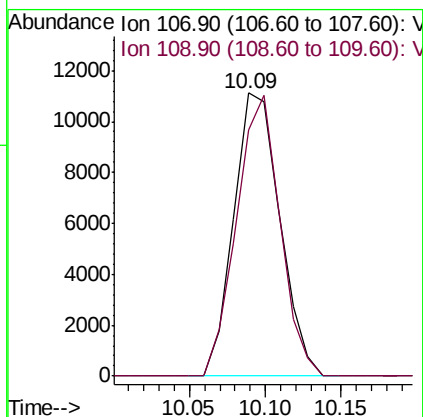
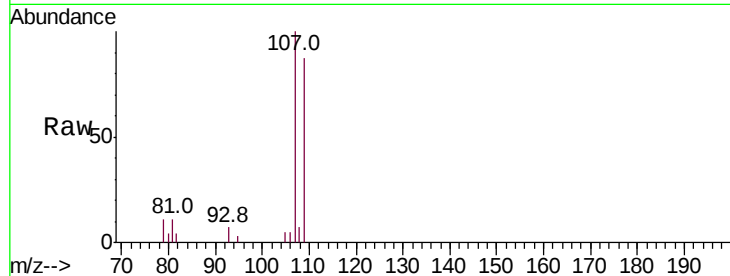




#61
 1,2-Dibromoethane
 Concen: 10.994 ug/l
 RT: 10.09 min Scan# 1003
 Delta R.T. -0.01 min
 Lab File: VD059792.D
 Acq: 15 Aug 2018 5:33

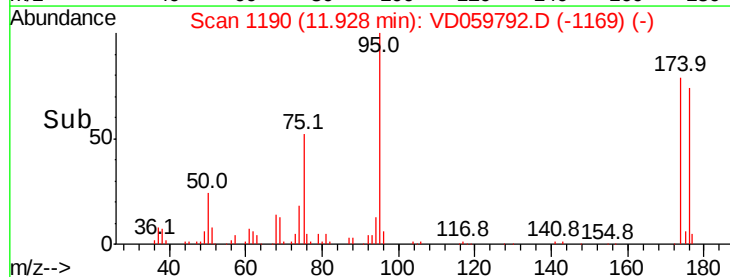
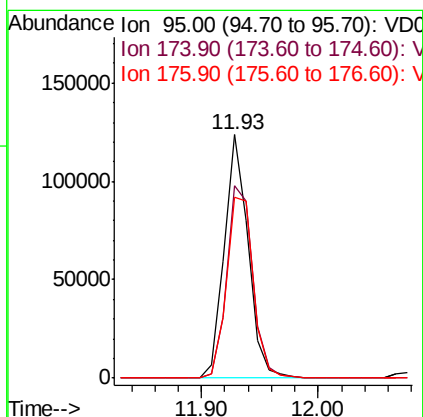
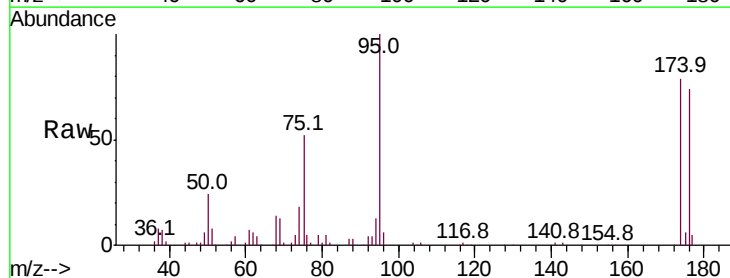
Instrument :
 MSVOA_D
 ClientSampled :

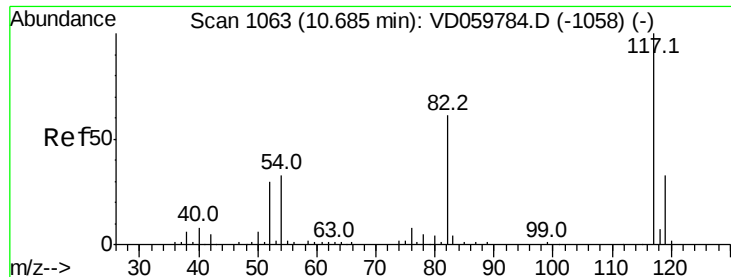
Tot Ion:107 Resp: 23611
 Ion Ratio Lower Upper
 107 100
 109 87.2 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 10.994 ug/l
 RT: 11.93 min Scan# 1190
 Delta R.T. 0.00 min
 Lab File: VD059792.D
 Acq: 15 Aug 2018 5:33

Tgt Ion: 95 Resp: 175490
 Ion Ratio Lower Upper
 95 100
 174 78.9 0.0 142.2
 176 74.2 0.0 137.4

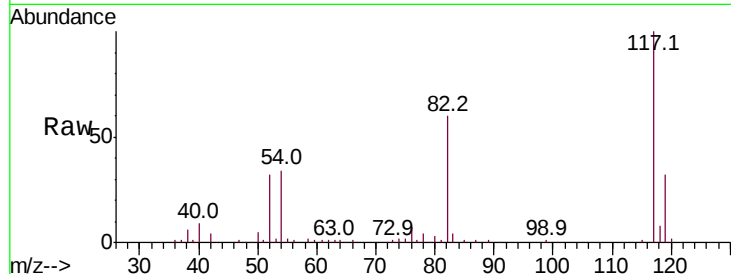




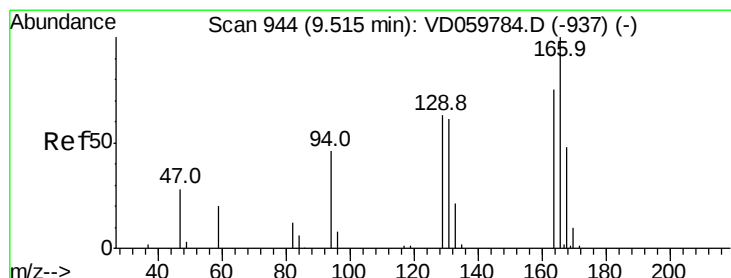
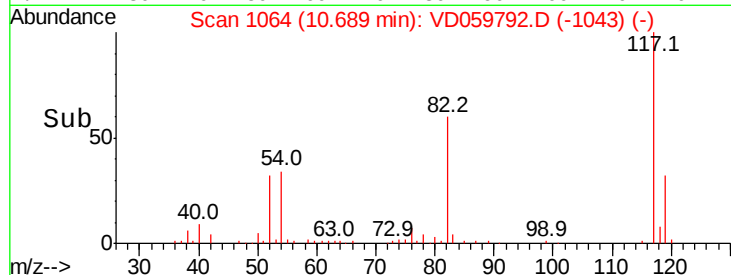
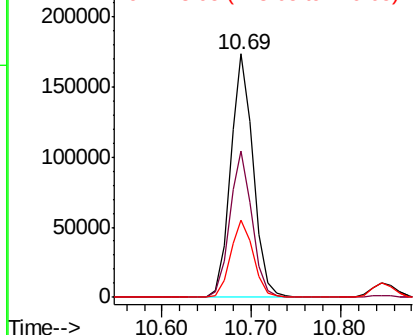
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1064
Delta R.T. 0.00 min
Lab File: VD059792.D
Acq: 15 Aug 2018 5:33

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 308753
Ion Ratio Lower Upper
117 100
82 60.2 49.0 73.6
119 31.6 26.2 39.2

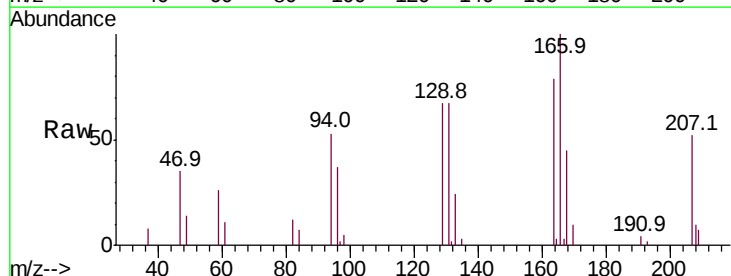


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

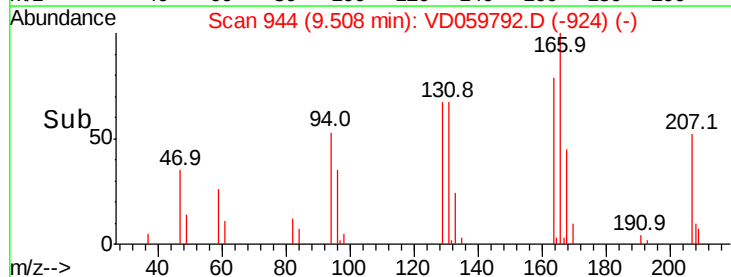
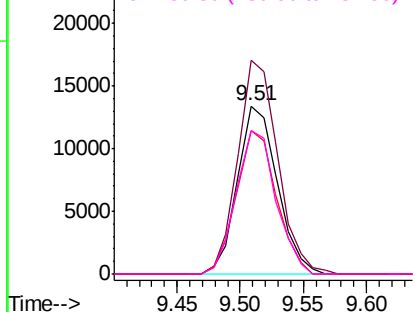


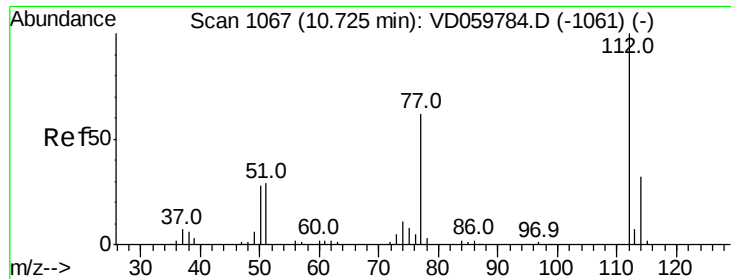
#64
Tetrachloroethene
Concen: 11.083 ug/l
RT: 9.51 min Scan# 944
Delta R.T. -0.01 min
Lab File: VD059792.D
Acq: 15 Aug 2018 5:33

Tgt Ion:164 Resp: 29472
Ion Ratio Lower Upper
164 100
166 127.3 106.8 160.2
129 85.6 67.2 100.8
131 85.3 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

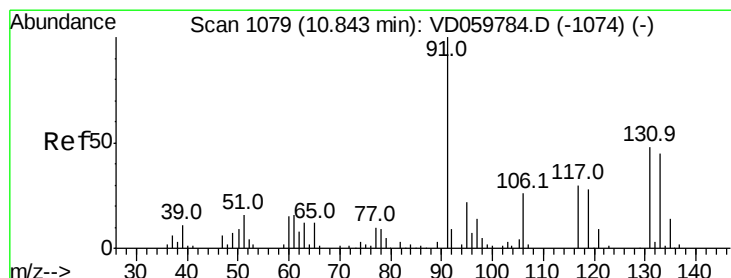
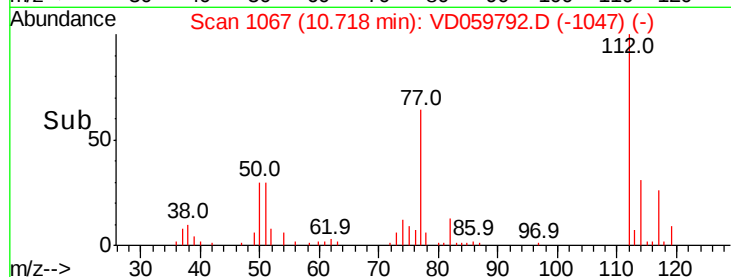
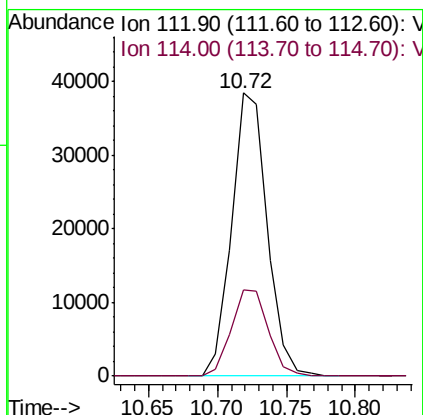
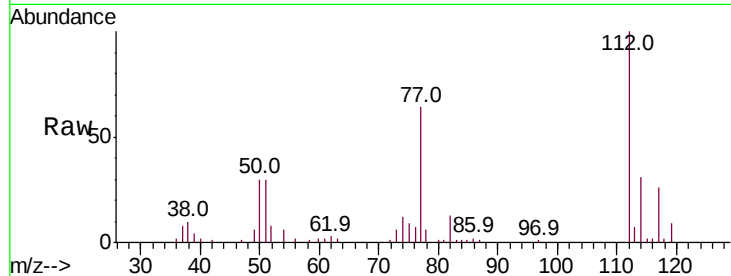




#65
Chlorobenzene
Concen: 11.010 ug/l
RT: 10.72 min Scan# 1067
Delta R.T. -0.01 min
Lab File: VD059792.D
Acq: 15 Aug 2018 5:33

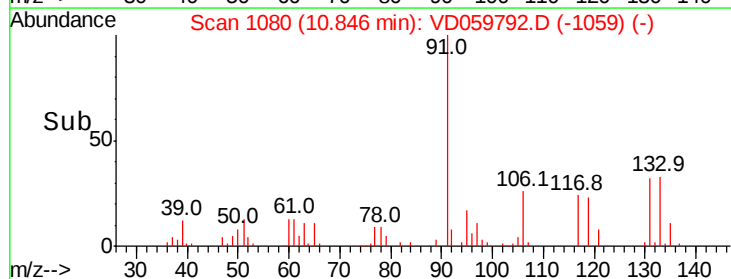
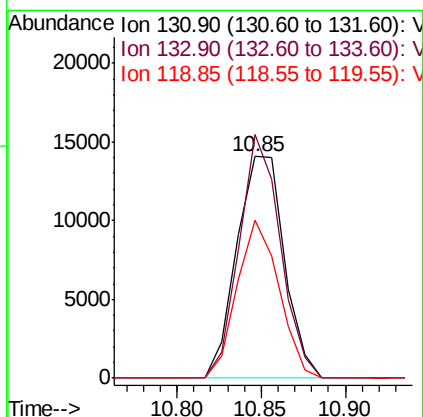
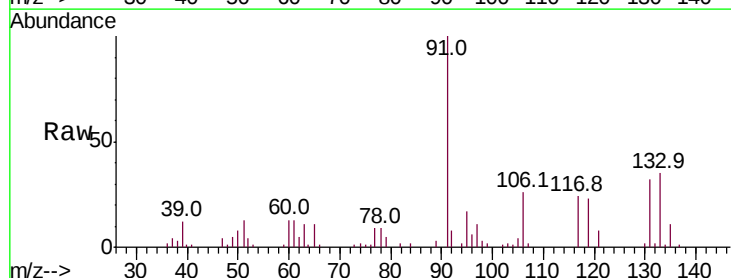
Instrument :
MSVOA_D
ClientSampleId :

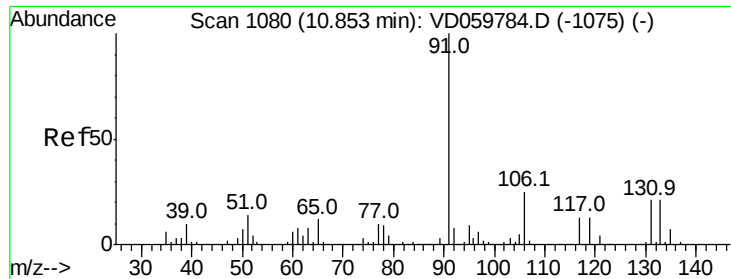
Tot Ion:112 Resp: 68845
Ion Ratio Lower Upper
112 100
114 30.6 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 10.918 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VD059792.D
Acq: 15 Aug 2018 5:33

Tgt Ion:131 Resp: 27516
Ion Ratio Lower Upper
131 100
133 109.9 47.0 141.0
119 71.3 29.0 87.1

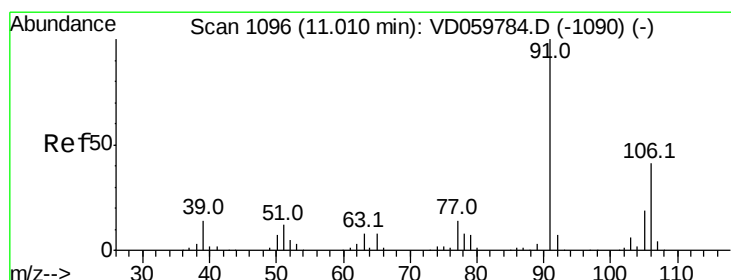
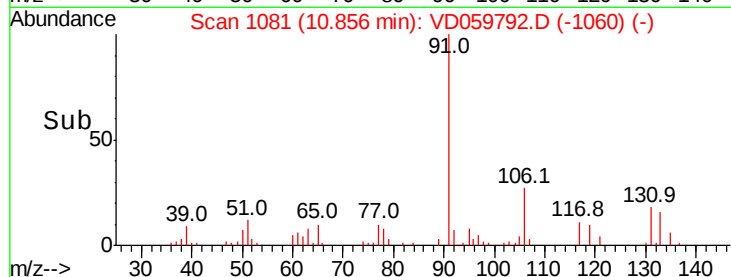
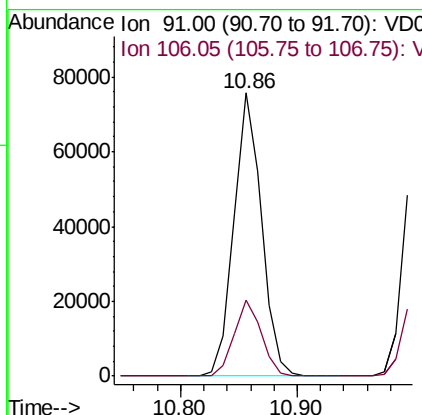
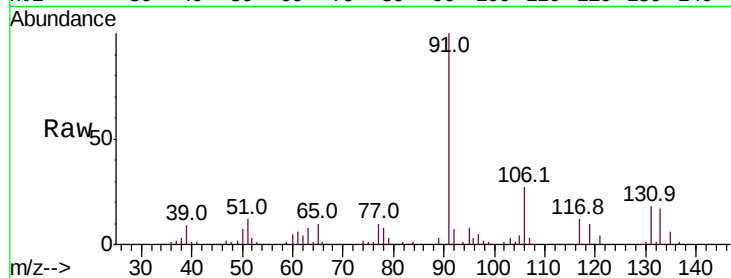




#67
Ethyl Benzene
Concen: 11.543 ug/l
RT: 10.86 min Scan# 1081
Delta R.T. 0.00 min
Lab File: VD059792.D
Acq: 15 Aug 2018 5:33

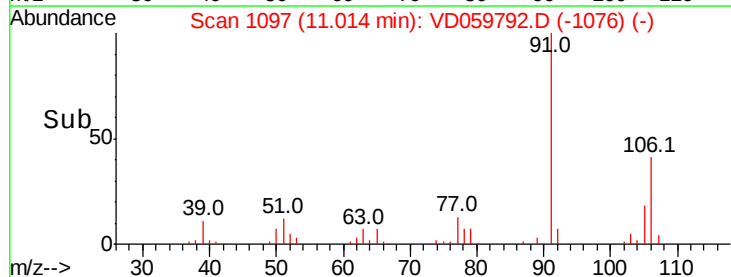
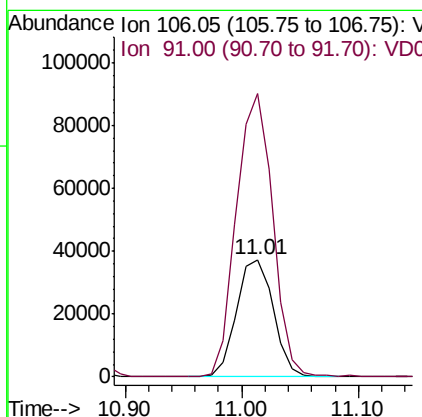
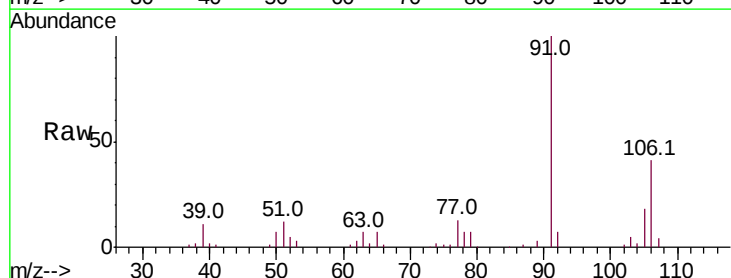
Instrument :
MSVOA_D
ClientSampled :

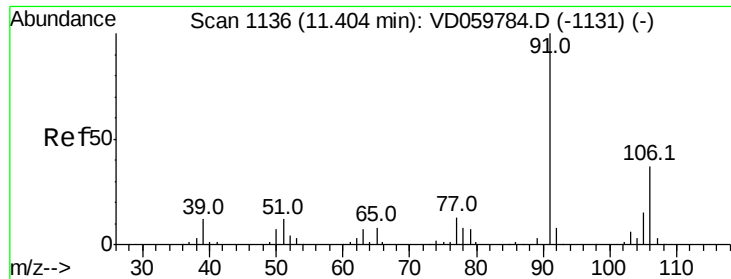
Tot Ion: 91 Resp: 124267
Ion Ratio Lower Upper
91 100
106 27.0 20.1 30.1



#68
m/p-Xylenes
Concen: 22.281 ug/l
RT: 11.01 min Scan# 1097
Delta R.T. 0.00 min
Lab File: VD059792.D
Acq: 15 Aug 2018 5:33

Tgt Ion:106 Resp: 81301
Ion Ratio Lower Upper
106 100
91 241.7 197.4 296.0

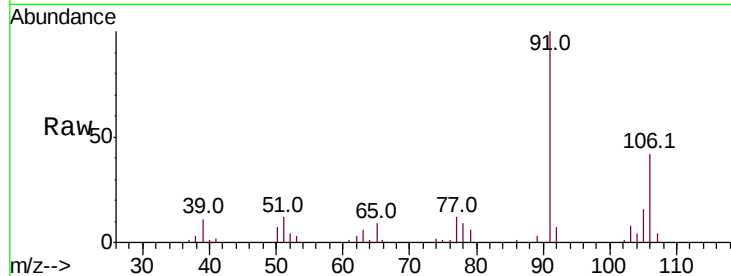




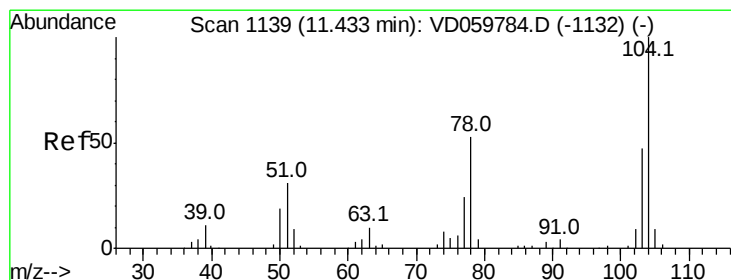
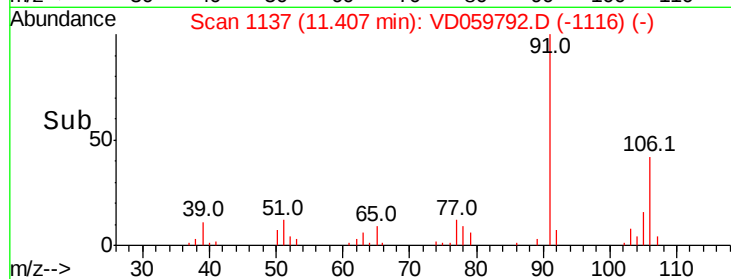
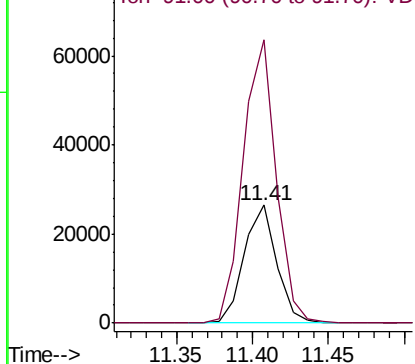
#69
o-Xylene
Concen: 11.243 ug/l
RT: 11.41 min Scan# 1137
Delta R.T. 0.00 min
Lab File: VD059792.D
Acq: 15 Aug 2018 5:33

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 39378
Ion Ratio Lower Upper
106 100
91 239.4 133.7 401.1

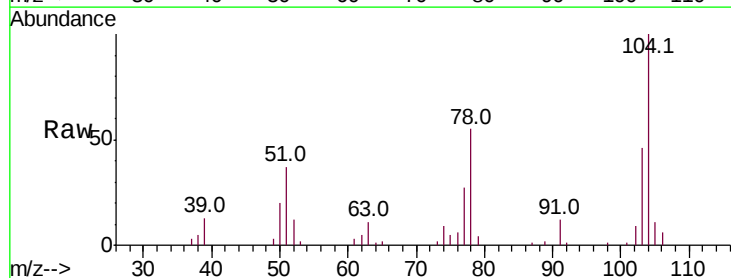


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

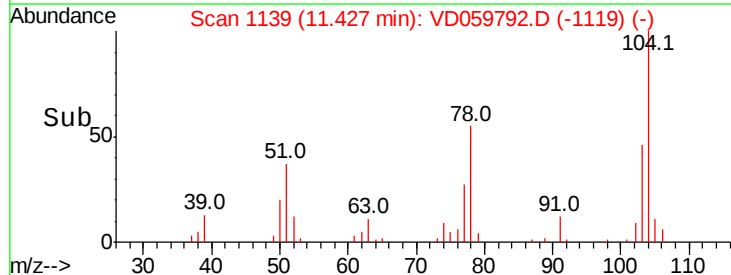
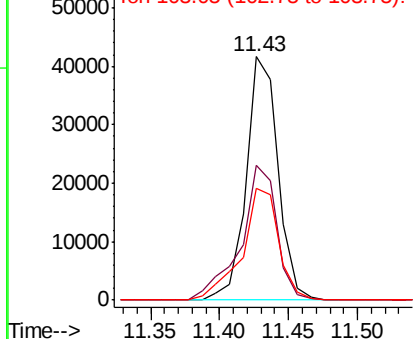


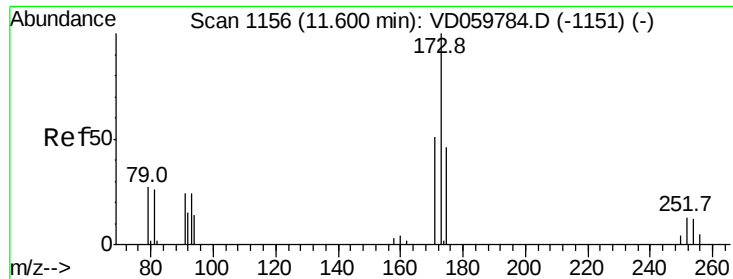
#70
Styrene
Concen: 10.816 ug/l
RT: 11.43 min Scan# 1139
Delta R.T. -0.01 min
Lab File: VD059792.D
Acq: 15 Aug 2018 5:33

Tgt Ion:104 Resp: 67182
Ion Ratio Lower Upper
104 100
78 55.3 42.6 64.0
103 45.9 37.8 56.6



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





#71

Bromoform

Concen: 9.888 ug/l

RT: 11.60 min Scan# 1157

Delta R.T. 0.00 min

Lab File: VD059792.D

Acq: 15 Aug 2018 5:33

Instrument :

MSVOA_D

ClientSampleId :

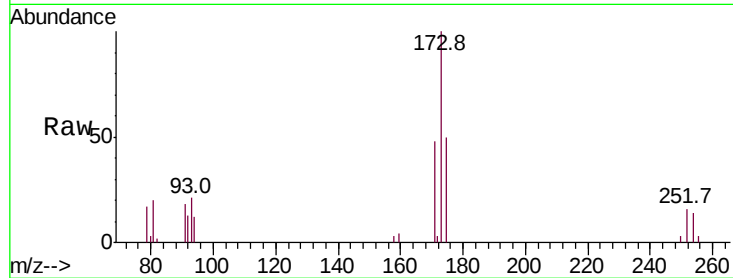
Tot Ion:173 Resp: 18115

Ion Ratio Lower Upper

173 100

175 49.6 23.1 69.2

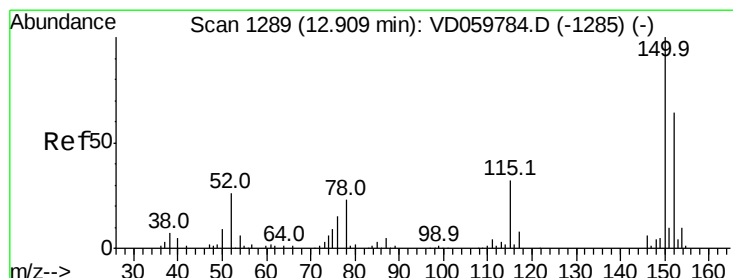
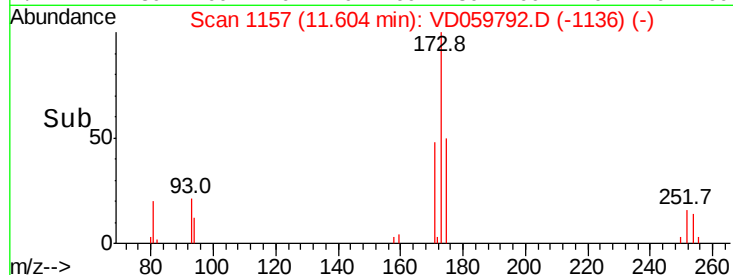
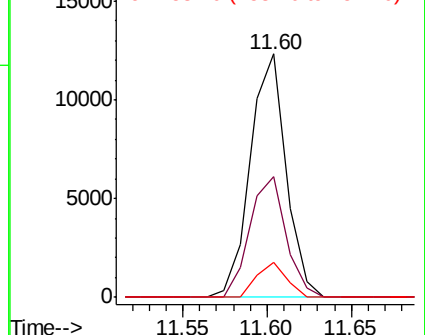
254 14.5 9.7 14.5



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.90 min Scan# 1289

Delta R.T. -0.01 min

Lab File: VD059792.D

Acq: 15 Aug 2018 5:33

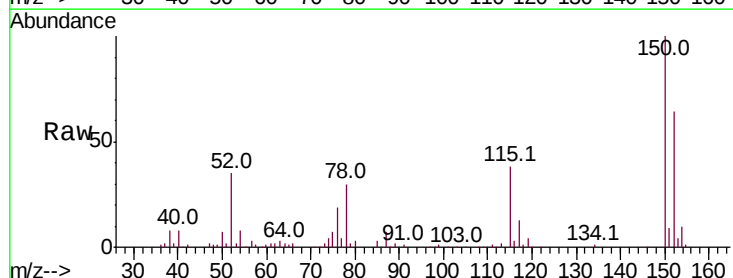
Tgt Ion:152 Resp: 162824

Ion Ratio Lower Upper

152 100

115 59.8 27.2 81.5

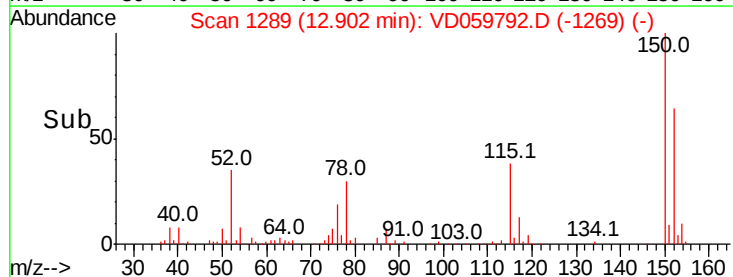
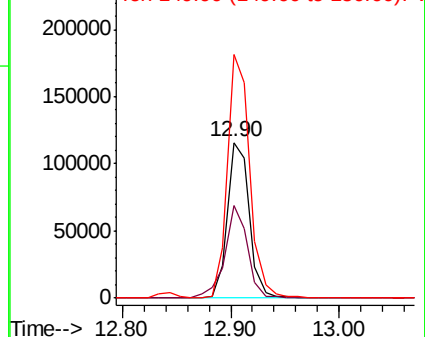
150 156.3 0.0 312.4

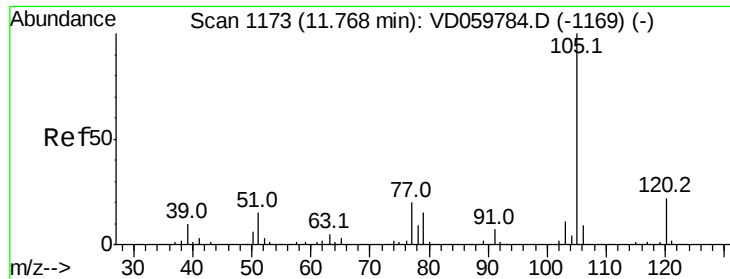


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 11.417 ug/l

RT: 11.77 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VD059792.D

Acq: 15 Aug 2018 5:33

Instrument :

MSVOA_D

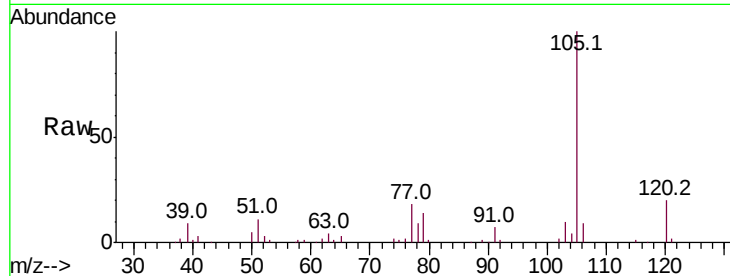
ClientSampleId :

Tot Ion:105 Resp: 117712

Ion Ratio Lower Upper

105 100

120 20.5 10.9 32.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

11.77

80000

60000

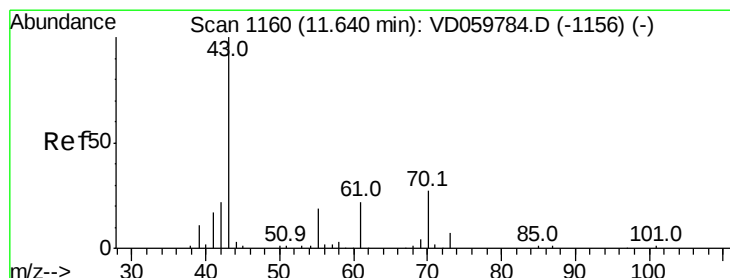
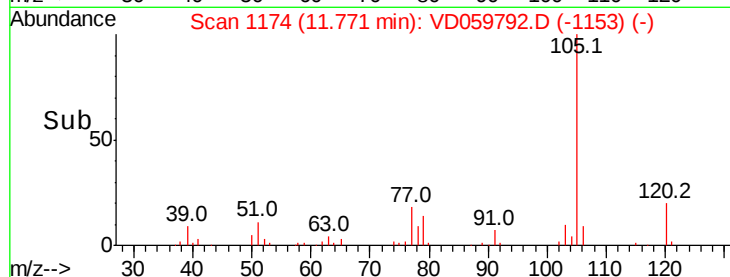
40000

20000

0

Time-->

11.70 11.75 11.80 11.85



#74

N-ethyl acetate

Concen: 10.827 ug/l

RT: 11.64 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VD059792.D

Acq: 15 Aug 2018 5:33

Tgt Ion: 43 Resp: 34226

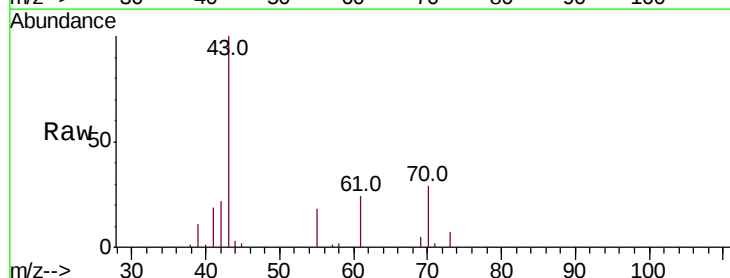
Ion Ratio Lower Upper

43 100

70 28.8 21.8 32.6

55 18.3 15.1 22.7

61 24.2 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

40000

30000

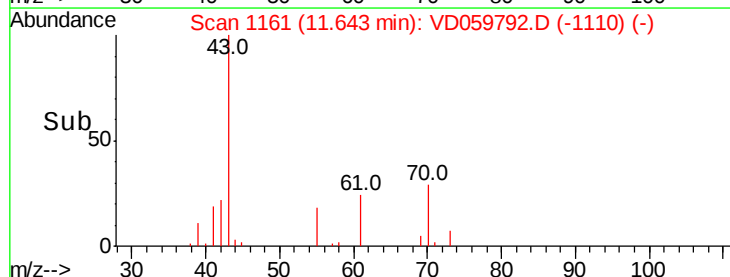
20000

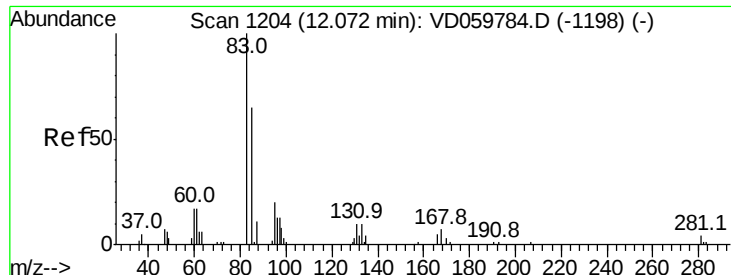
10000

0

Time-->

11.60 11.65 11.70





#75

1,1,2,2-Tetrachloroethane

Concen: 11.866 ug/l

RT: 12.08 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VD059792.D

Acq: 15 Aug 2018 5:33

Instrument :

MSVOA_D

ClientSampled :

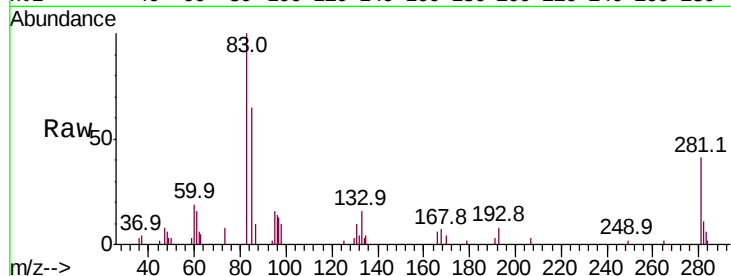
Tot Ion: 83 Resp: 24842

Ion Ratio Lower Upper

83 100

131 9.7 5.0 15.0

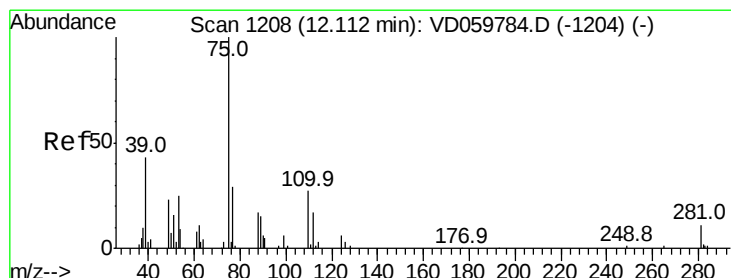
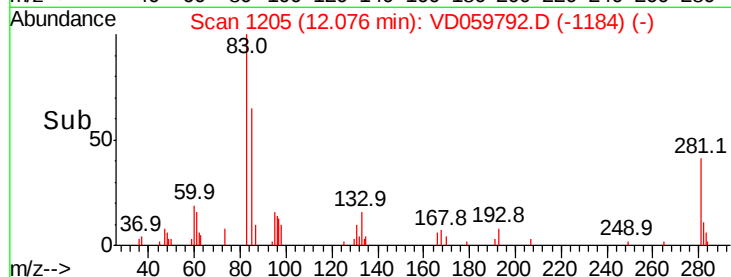
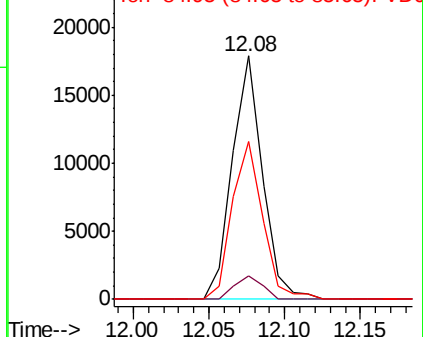
85 64.6 32.8 98.3



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: 11.372 ug/l

RT: 12.12 min Scan# 1209

Delta R.T. 0.00 min

Lab File: VD059792.D

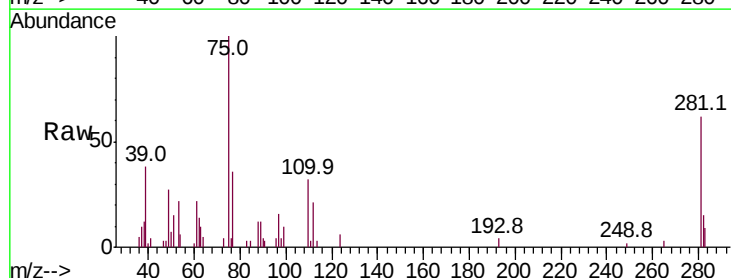
Acq: 15 Aug 2018 5:33

Tgt Ion: 75 Resp: 26271

Ion Ratio Lower Upper

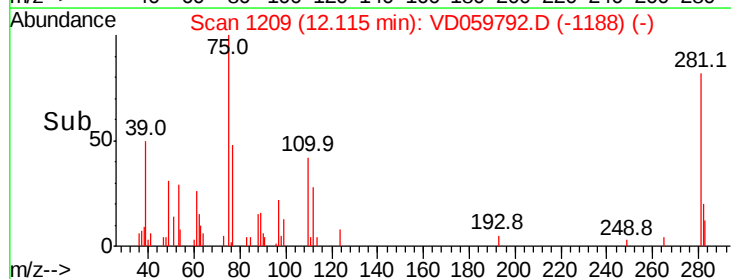
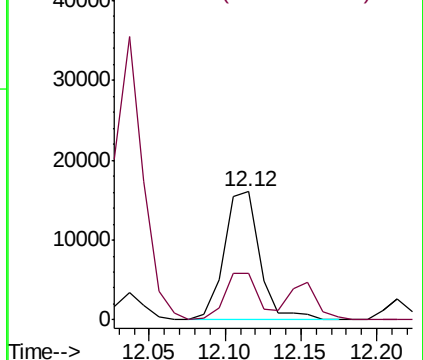
75 100

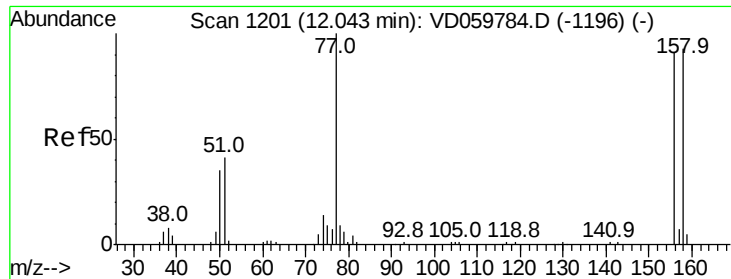
77 36.2 16.2 48.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

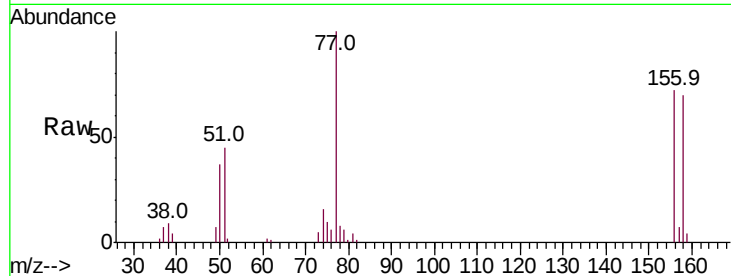




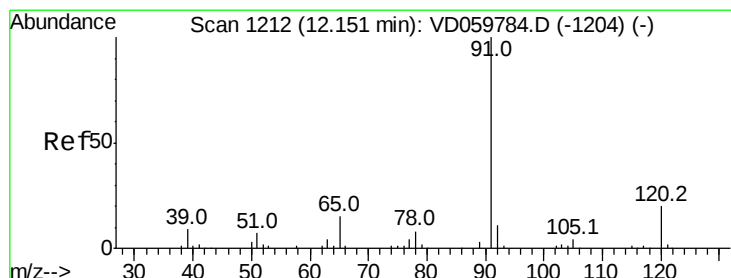
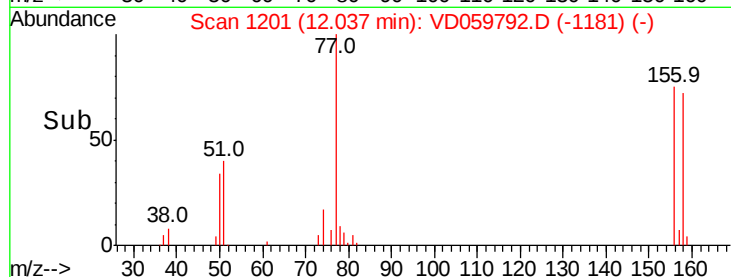
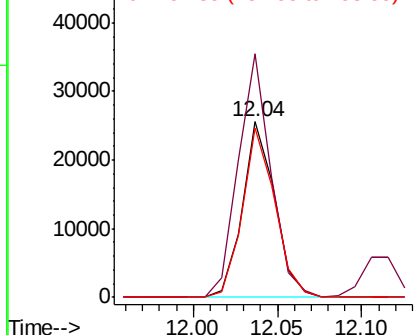
#77
Bromobenzene
Concen: 11.559 ug/l
RT: 12.04 min Scan# 1201
Delta R.T. -0.01 min
Lab File: VD059792.D
Acq: 15 Aug 2018 5:33

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:156 Resp: 34055
Ion Ratio Lower Upper
156 100
77 138.6 54.9 164.8
158 96.6 51.2 153.6

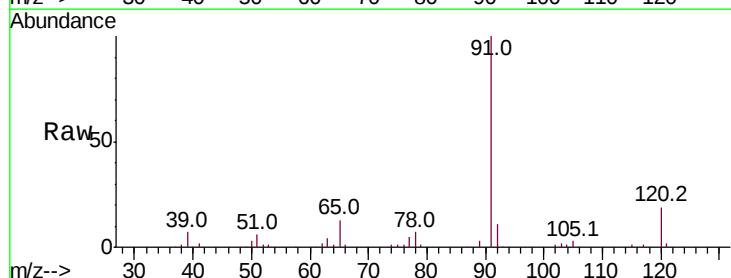


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V

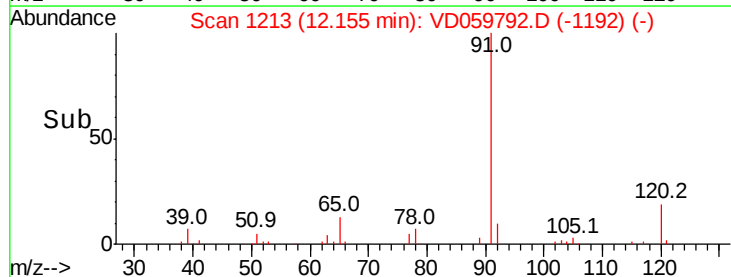
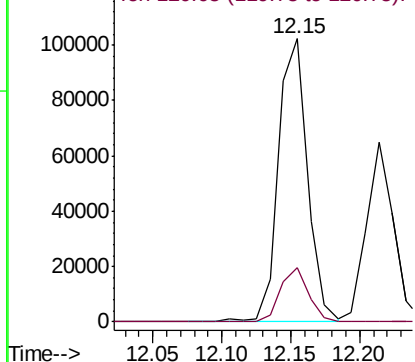


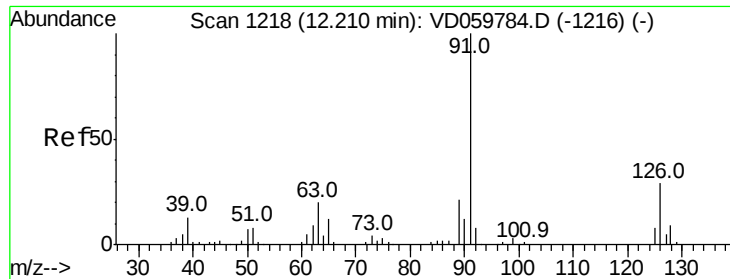
#78
n-propylbenzene
Concen: 11.584 ug/l
RT: 12.15 min Scan# 1213
Delta R.T. 0.00 min
Lab File: VD059792.D
Acq: 15 Aug 2018 5:33

Tgt Ion: 91 Resp: 148976
Ion Ratio Lower Upper
91 100
120 19.1 9.8 29.4



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

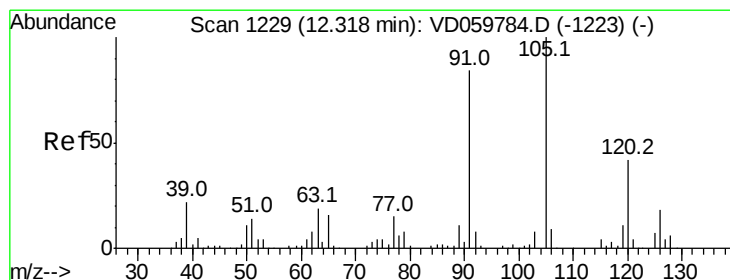
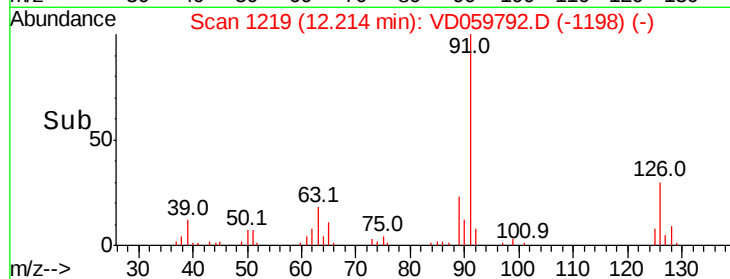
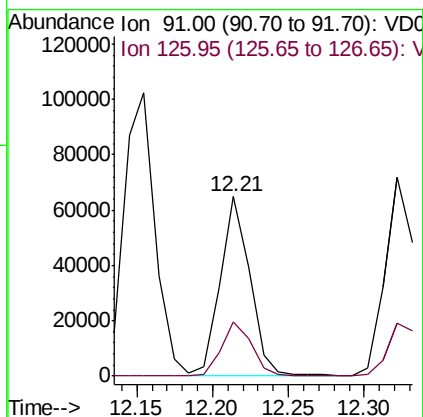
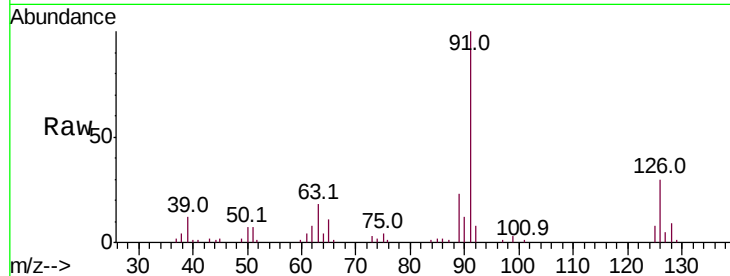




#79
 2-Chlorotoluene
 Concen: 11.331 ug/l
 RT: 12.21 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VD059792.D
 Acq: 15 Aug 2018 5:33

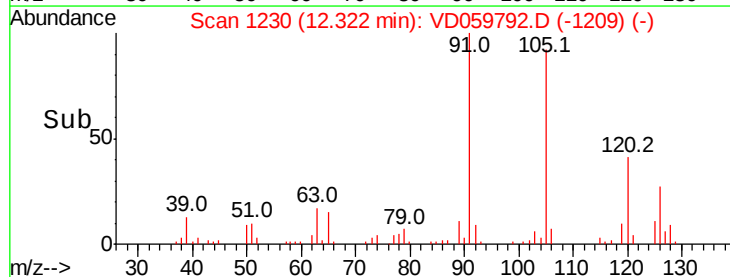
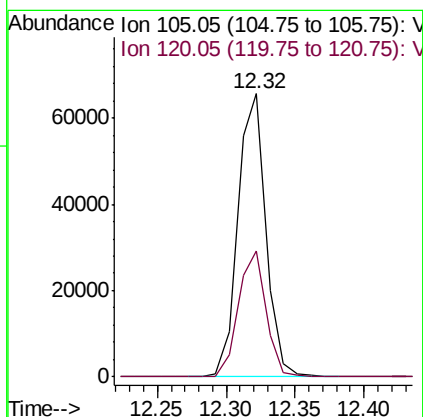
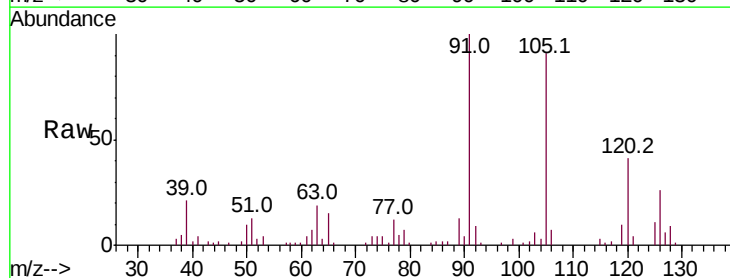
Instrument :
 MSVOA_D
 ClientSampleID :

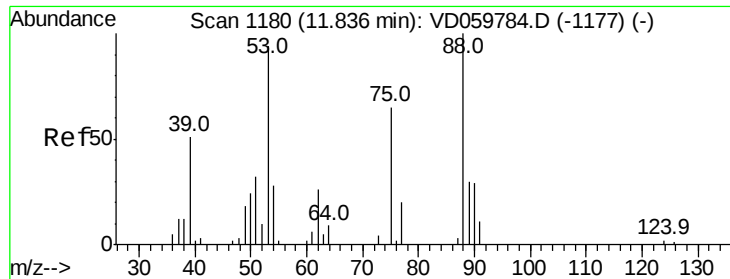
Tot Ion: 91 Resp: 87875
 Ion Ratio Lower Upper
 91 100
 126 30.5 14.0 41.9



#80
 1,3,5-Trimethylbenzene
 Concen: 11.217 ug/l
 RT: 12.32 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VD059792.D
 Acq: 15 Aug 2018 5:33

Tgt Ion:105 Resp: 92602
 Ion Ratio Lower Upper
 105 100
 120 44.7 20.8 62.5





#81

trans-1,4-Dichloro-2-butene

Concen: 10.515 ug/l

RT: 11.84 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD059792.D

Acq: 15 Aug 2018 5:33

Instrument :

MSVOA_D

ClientSampled :

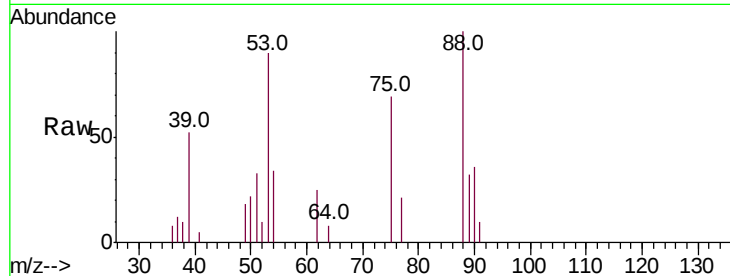
Tot Ion: 75 Resp: 5683

Ion Ratio Lower Upper

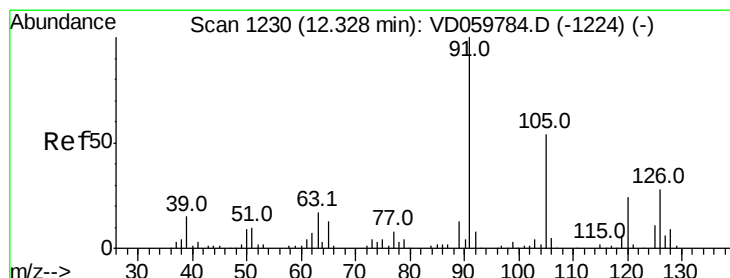
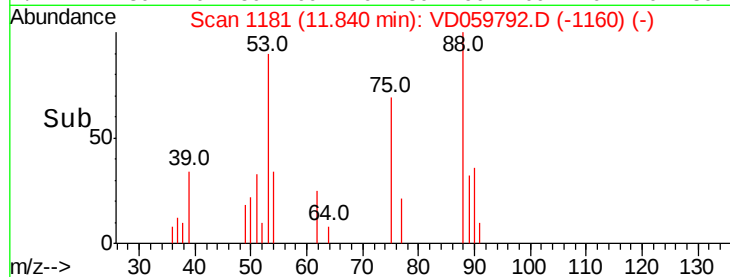
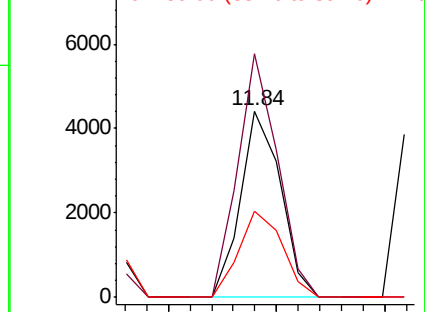
75 100

53 130.8 116.2 174.2

89 46.5 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: 11.347 ug/l

RT: 12.32 min Scan# 1230

Delta R.T. -0.01 min

Lab File: VD059792.D

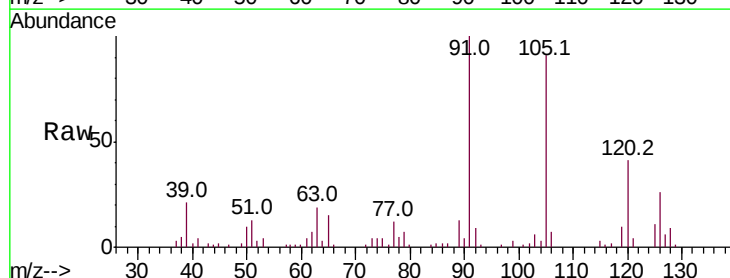
Acq: 15 Aug 2018 5:33

Tgt Ion: 91 Resp: 99879

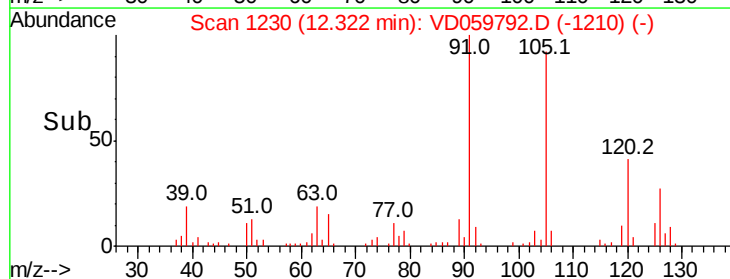
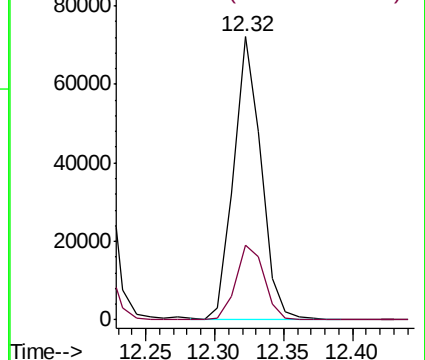
Ion Ratio Lower Upper

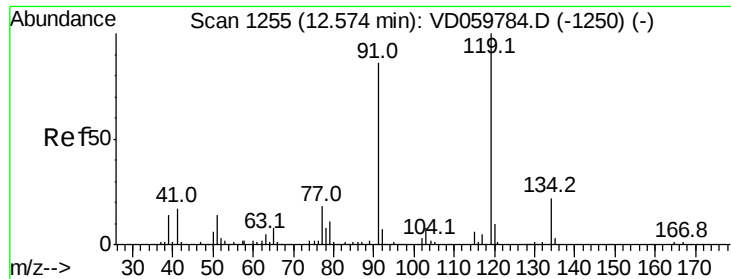
91 100

126 26.3 13.9 41.7



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

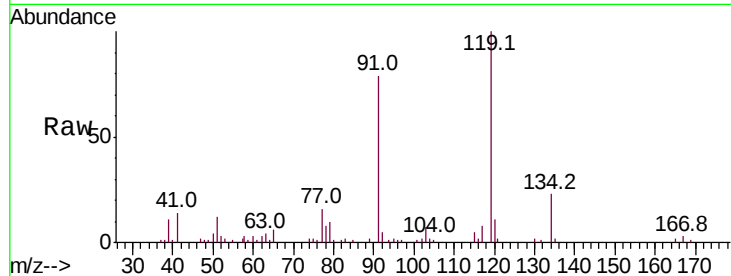




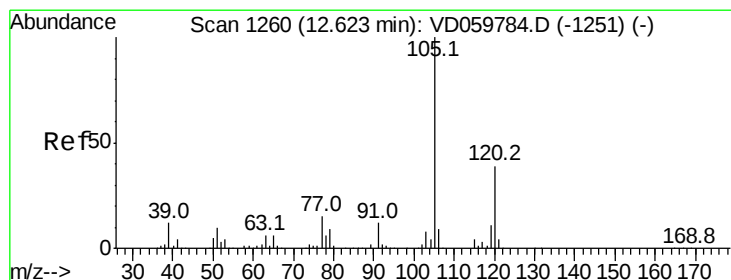
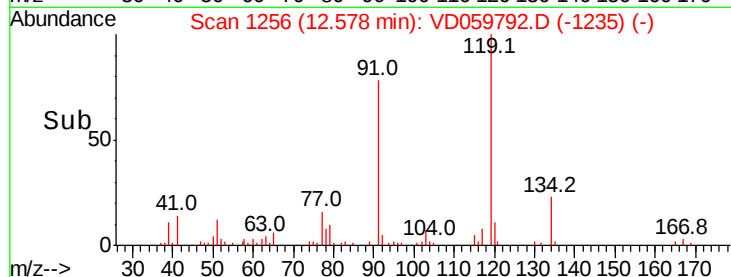
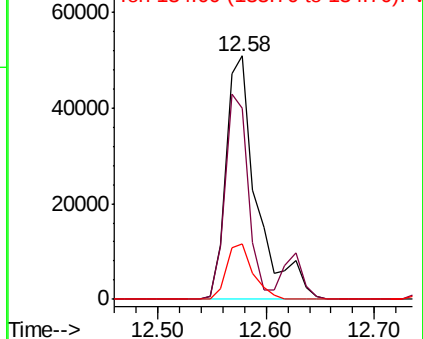
#83
tert-Butylbenzene
Concen: 11.024 ug/l
RT: 12.58 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VD059792.D
Acq: 15 Aug 2018 5:33

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 100557
Ion Ratio Lower Upper
119 100
91 78.6 43.1 129.3
134 22.8 11.2 33.5

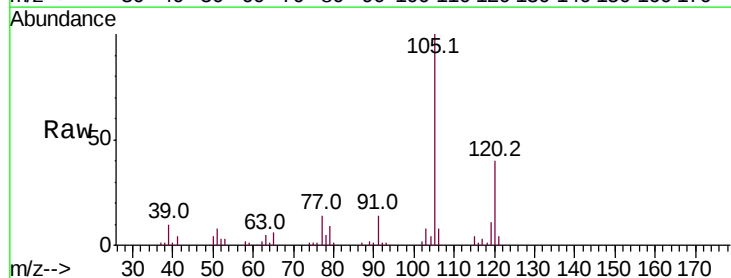


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

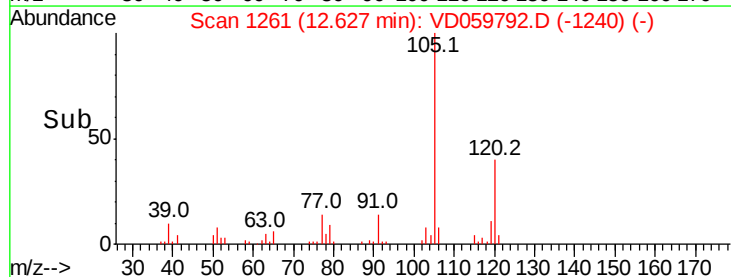
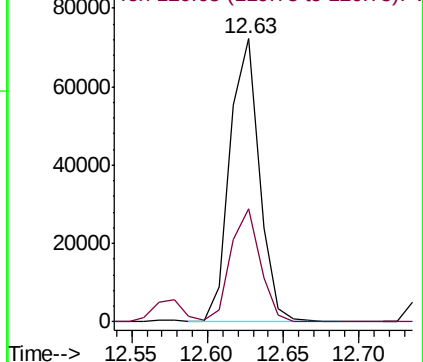


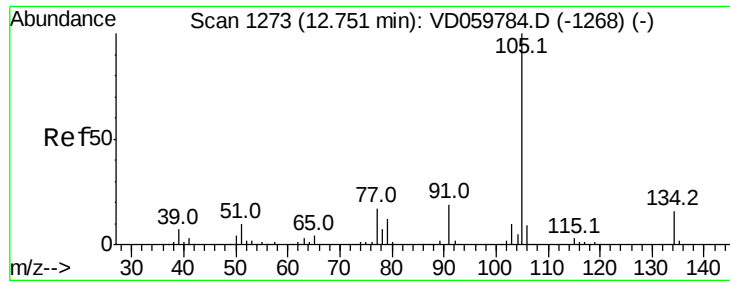
#84
1,2,4-Trimethylbenzene
Concen: 10.968 ug/l
RT: 12.63 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VD059792.D
Acq: 15 Aug 2018 5:33

Tgt Ion:105 Resp: 97567
Ion Ratio Lower Upper
105 100
120 39.8 19.6 58.8



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





#85

sec-Butylbenzene

Concen: 11.561 ug/l

RT: 12.75 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VD059792.D

Acq: 15 Aug 2018 5:33

Instrument :

MSVOA_D

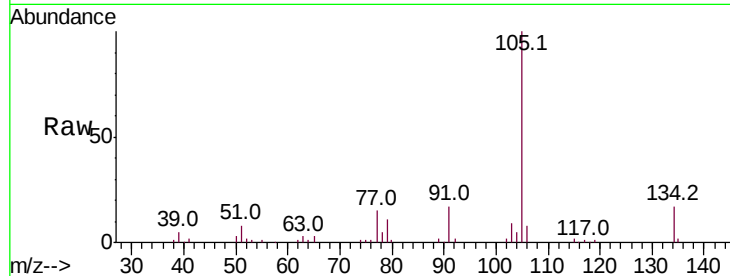
ClientSampled :

Tot Ion:105 Resp: 122225

Ion Ratio Lower Upper

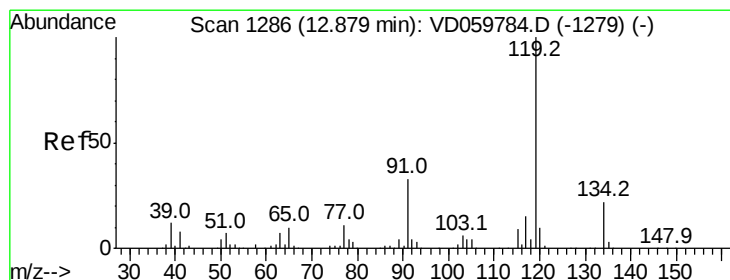
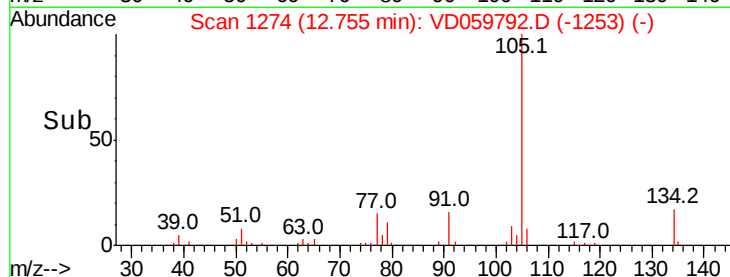
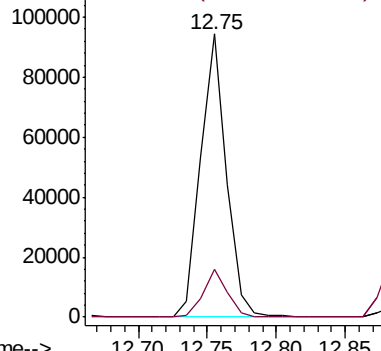
105 100

134 17.0 8.2 24.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 11.055 ug/l

RT: 12.88 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VD059792.D

Acq: 15 Aug 2018 5:33

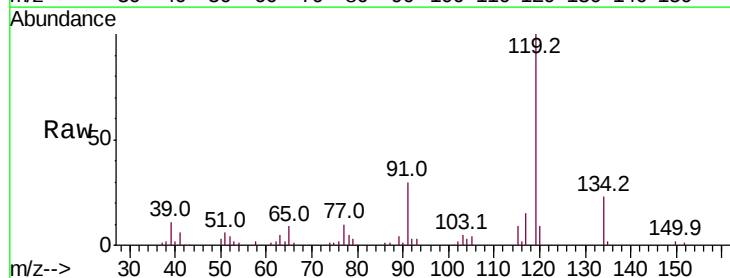
Tgt Ion:119 Resp: 97794

Ion Ratio Lower Upper

119 100

134 23.0 10.9 32.6

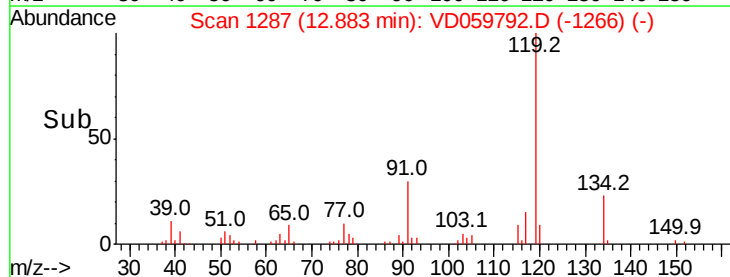
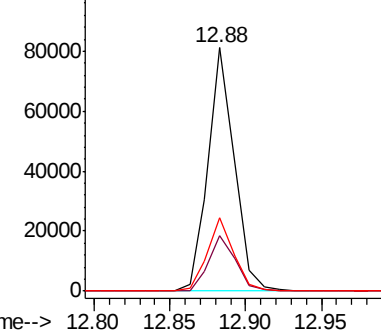
91 30.0 16.4 49.4

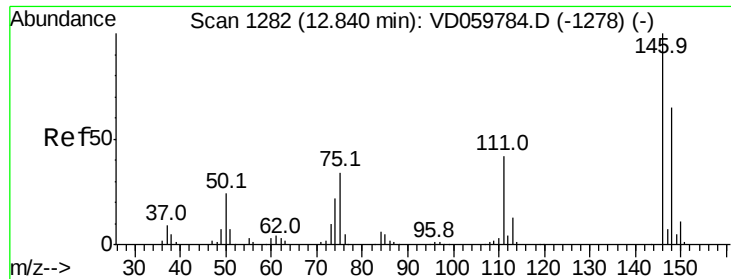


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

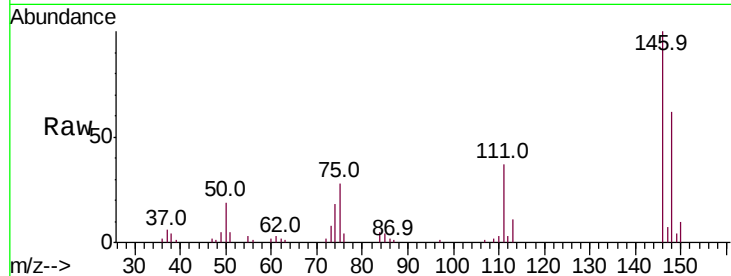




#87
 1,3-Dichlorobenzene
 Concen: 11.287 ug/l
 RT: 12.84 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VD059792.D
 Acq: 15 Aug 2018 5:33

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	20.9	62.8
148	61.8	32.6	97.8

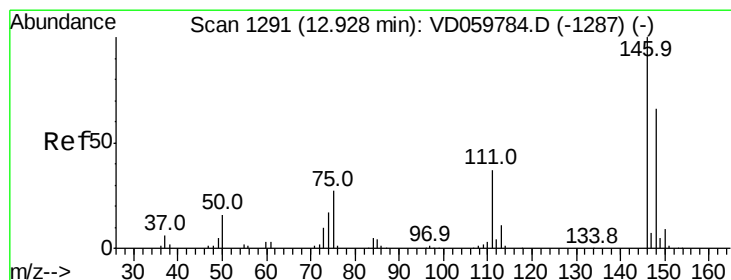
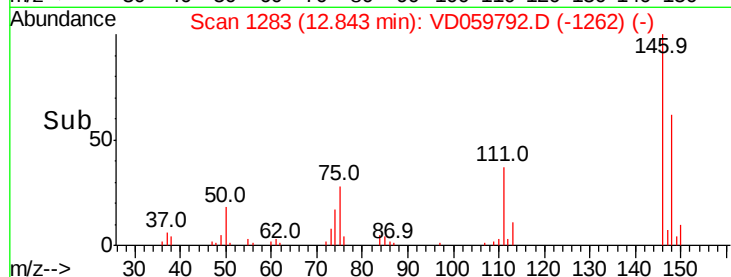
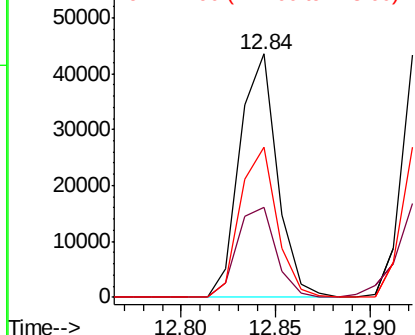


Abundance

Ion 145.95 (145.65 to 146.65): V

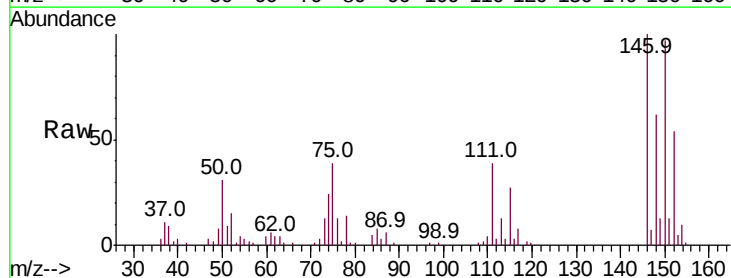
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88
 1,4-Dichlorobenzene
 Concen: 11.125 ug/l
 RT: 12.92 min Scan# 1291
 Delta R.T. -0.01 min
 Lab File: VD059792.D
 Acq: 15 Aug 2018 5:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	18.6	55.6
148	61.9	33.0	99.0

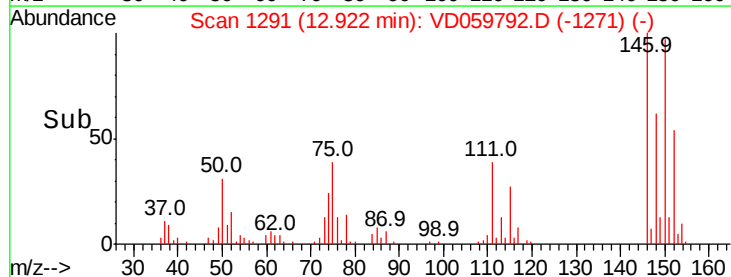
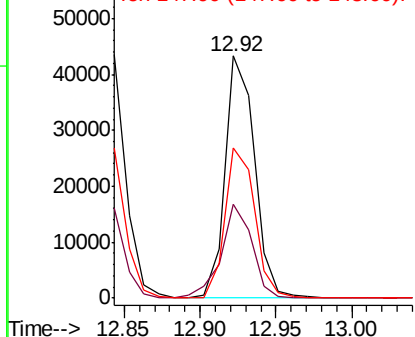


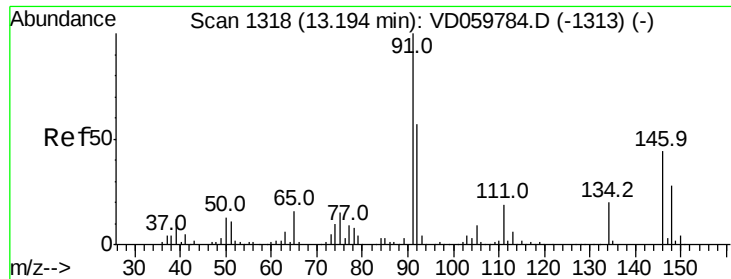
Abundance

Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

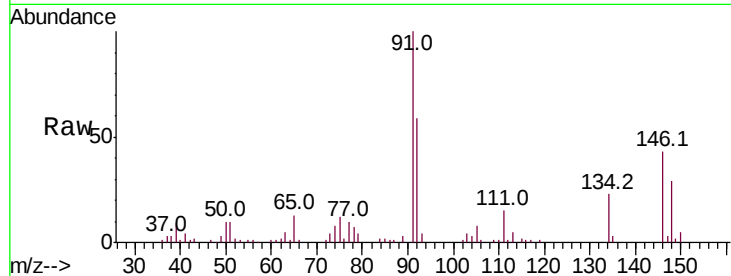




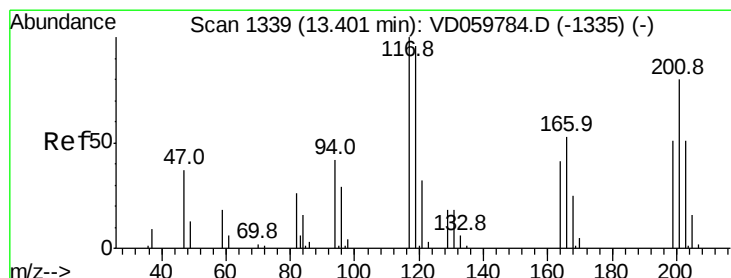
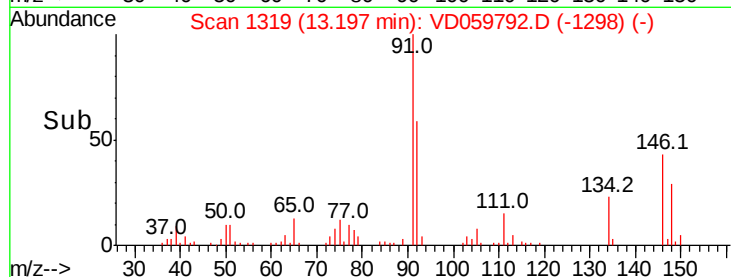
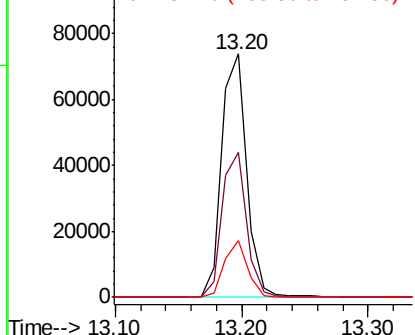
#89
n-Butylbenzene
Concen: 11.311 ug/l
RT: 13.20 min Scan# 1319
Delta R.T. 0.00 min
Lab File: VD059792.D
Acq: 15 Aug 2018 5:33

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 91 Resp: 101166
Ion Ratio Lower Upper
91 100
92 59.4 28.4 85.3
134 23.3 10.2 30.4

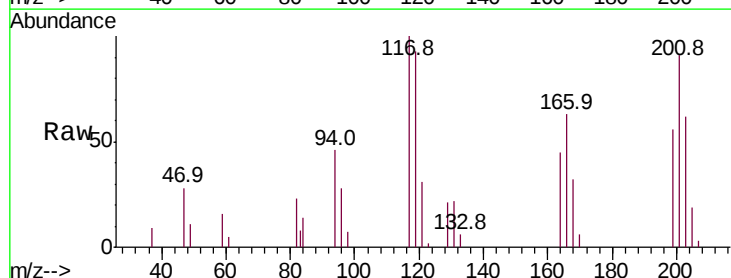


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

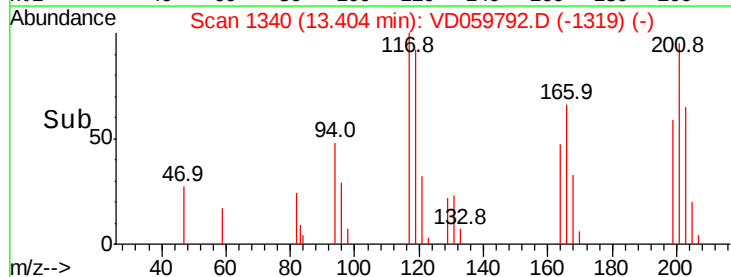
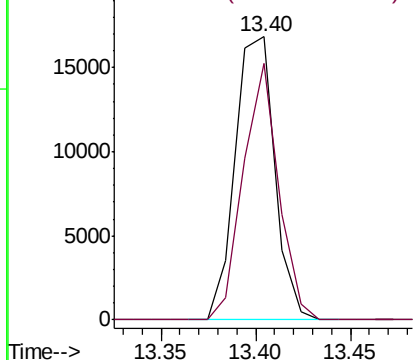


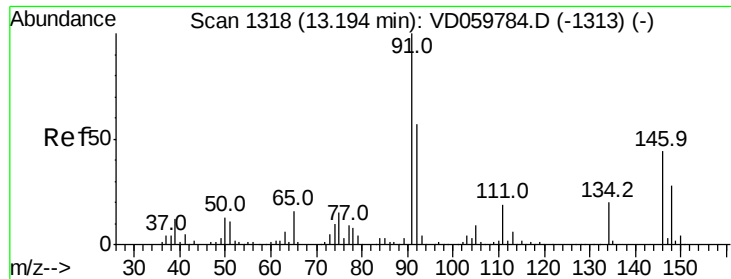
#90
Hexachloroethane
Concen: 10.938 ug/l
RT: 13.40 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VD059792.D
Acq: 15 Aug 2018 5:33

Tgt Ion: 117 Resp: 24281
Ion Ratio Lower Upper
117 100
201 90.8 39.9 119.7



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





#91

1,2-Dichlorobenzene

Concen: 12.358 ug/l

RT: 13.19 min Scan# 1318

Delta R.T. -0.01 min

Lab File: VD059792.D

Acq: 15 Aug 2018 5:33

Instrument :

MSVOA_D

ClientSampleId :

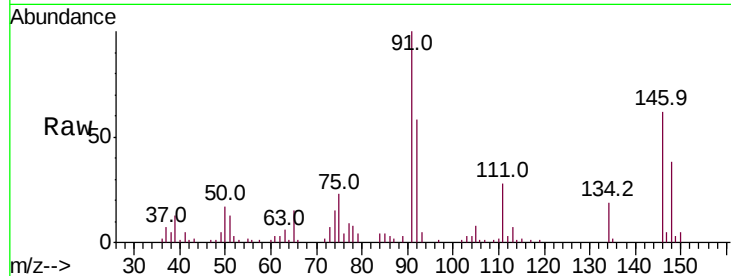
Tot Ion:146 Resp: 53697

Ion Ratio Lower Upper

146 100

111 44.8 21.1 63.1

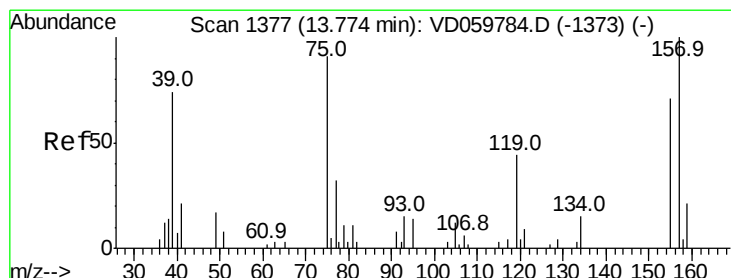
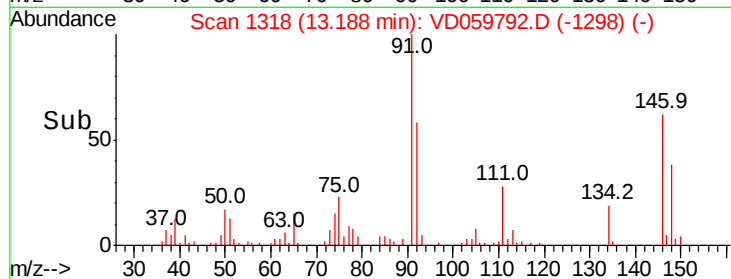
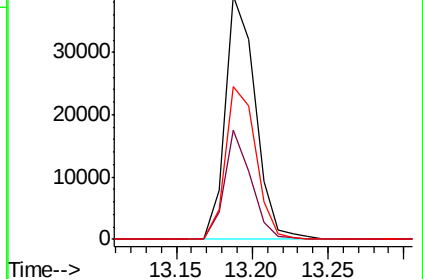
148 62.5 32.0 96.2



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: 11.156 ug/l

RT: 13.77 min Scan# 1377

Delta R.T. -0.01 min

Lab File: VD059792.D

Acq: 15 Aug 2018 5:33

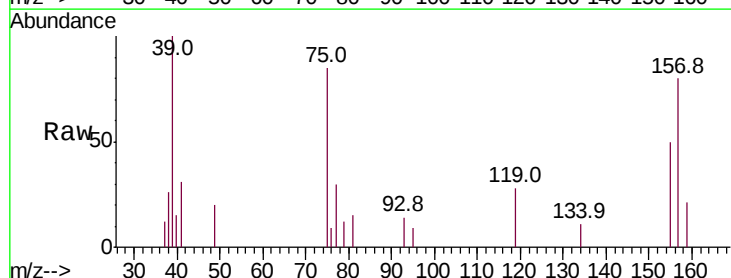
Tgt Ion: 75 Resp: 4167

Ion Ratio Lower Upper

75 100

155 59.5 39.0 117.0

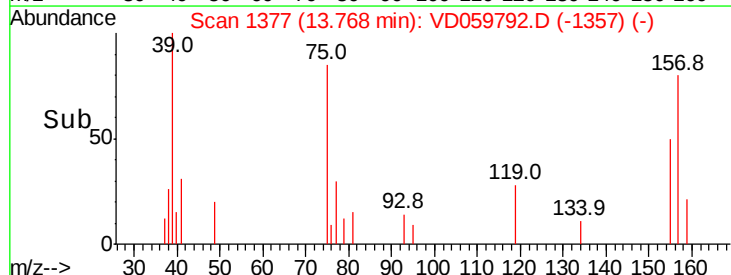
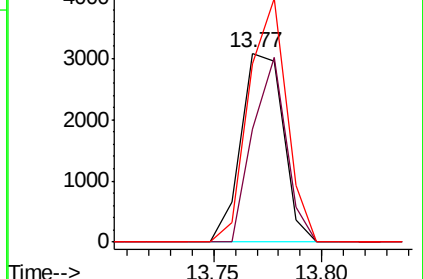
157 94.0 54.8 164.3

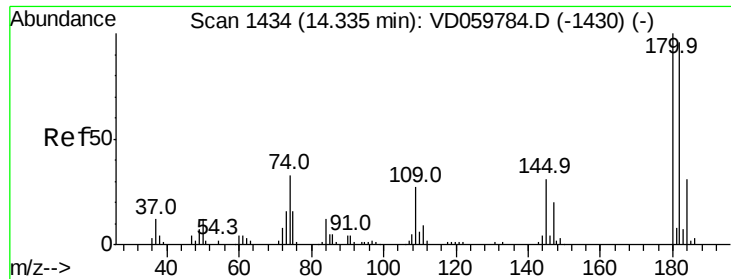


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

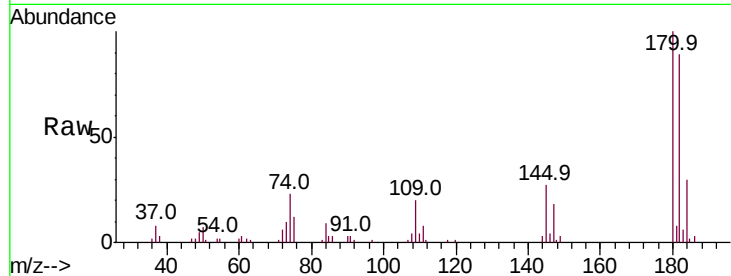




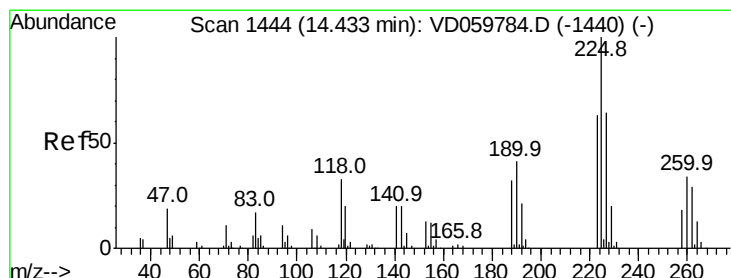
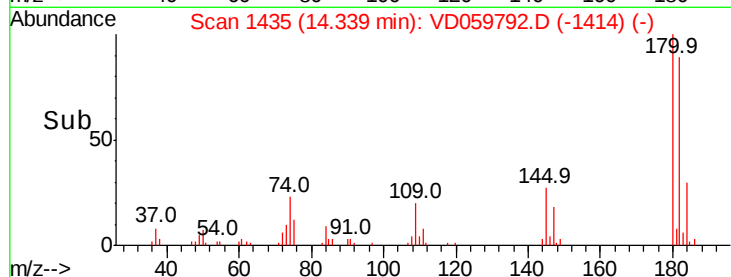
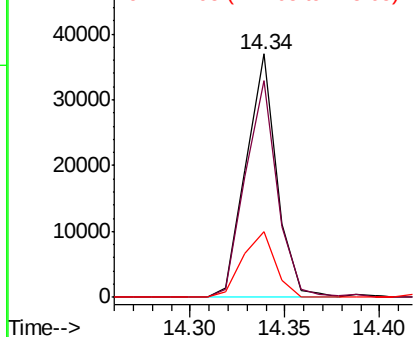
#93
 1,2,4-Trichlorobenzene
 Concen: 11.468 ug/l
 RT: 14.34 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: VD059792.D
 Acq: 15 Aug 2018 5:33

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 41663
 Ion Ratio Lower Upper
 180 100
 182 88.9 48.0 144.0
 145 27.2 15.5 46.5

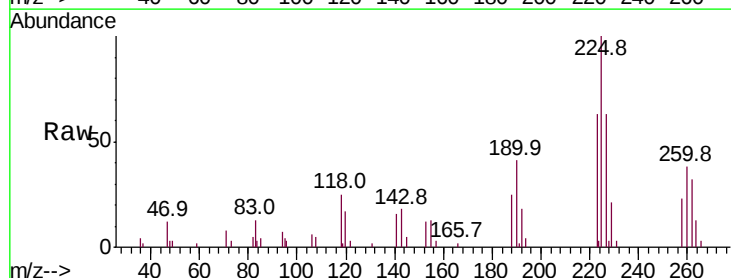


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

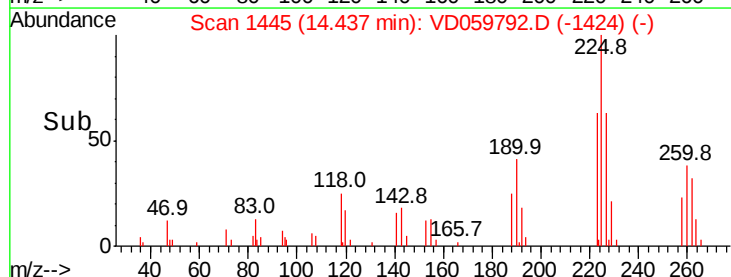
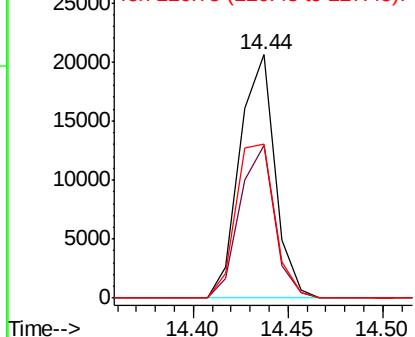


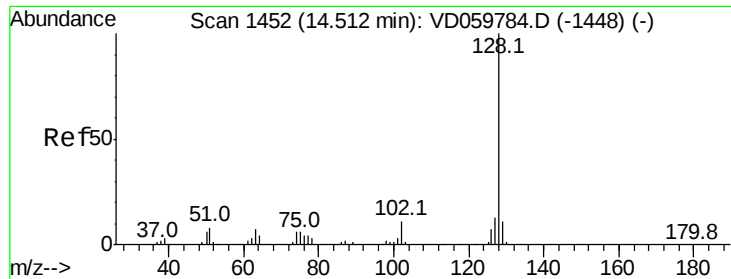
#94
 Hexachlorobutadiene
 Concen: 9.863 ug/l
 RT: 14.44 min Scan# 1445
 Delta R.T. 0.00 min
 Lab File: VD059792.D
 Acq: 15 Aug 2018 5:33

Tgt Ion:225 Resp: 26450
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.4 94.2
 227 63.4 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: 11.601 ug/l

RT: 14.52 min Scan# 1453

Delta R.T. 0.00 min

Lab File: VD059792.D

Acq: 15 Aug 2018 5:33

Instrument :

MSVOA_D

ClientSampleId :

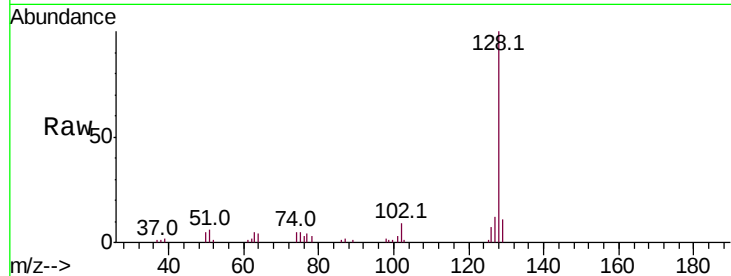
Tot Ion:128 Resp: 64531

Ion Ratio Lower Upper

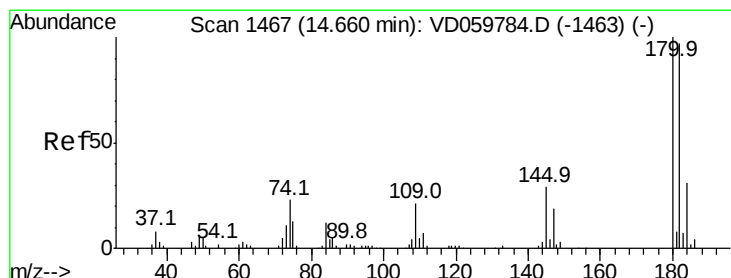
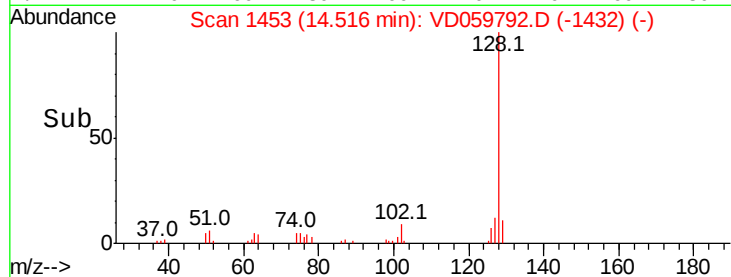
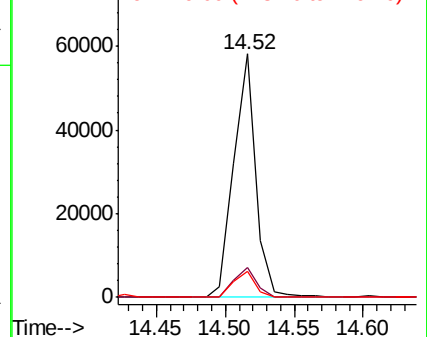
128 100

127 12.5 10.3 15.5

129 10.9 9.1 13.7



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



#96

1,2,3-Trichlorobenzene

Concen: 10.471 ug/l

RT: 14.66 min Scan# 1468

Delta R.T. 0.00 min

Lab File: VD059792.D

Acq: 15 Aug 2018 5:33

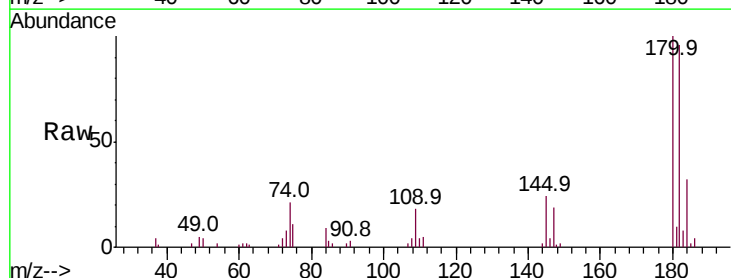
Tgt Ion:180 Resp: 33569

Ion Ratio Lower Upper

180 100

182 96.1 48.5 145.5

145 23.9 14.3 42.9



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

