

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD083018\
 Data File : VD059924.D
 Acq On : 30 Aug 2018 13:32
 Operator : JC/SY
 Sample : VD0830SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 30 18:04:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1169901	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.42	114	1590621	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.28	117	1349465	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	725270	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.76	65	476167	48.29	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	96.58%	
35) Dibromofluoromethane	6.30	113	639556	51.29	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	102.58%	
50) Toluene-d8	9.44	98	1746924	50.48	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	100.96%	
62) 4-Bromofluorobenzene	12.42	95	670026	47.67	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	95.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	168779	16.139	ug/l	96
3) Chloromethane	1.73	50	152030	16.048	ug/l	99
4) Vinyl Chloride	1.82	62	120808	16.263	ug/l	97
5) Bromomethane	2.11	94	11907	9.284	ug/l	81
6) Chloroethane	2.22	64	29975	11.184	ug/l	94
7) Trichlorofluoromethane	2.47	101	149883	17.441	ug/l	96
8) Diethyl Ether	2.80	74	32129	16.665	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.05	101	101065	19.203	ug/l	97
10) Methyl Iodide	3.21	142	78777	16.543	ug/l	98
11) Tert butyl alcohol	3.96	59	80822	107.422	ug/l	96
12) 1,1-Dichloroethene	3.04	96	77054	18.807	ug/l	93
13) Acrolein	2.95	56	18544	56.827	ug/l	93
14) Allyl chloride	3.50	41	176598	19.053	ug/l	98
15) Acrylonitrile	4.06	53	261936	92.968	ug/l	99
16) Acetone	3.13	43	153082	85.213	ug/l	100
17) Carbon Disulfide	3.28	76	186359	14.654	ug/l	100
18) Methyl Acetate	3.52	43	67140	17.903	ug/l	99
19) Methyl tert-butyl Ether	4.10	73	425001	18.337	ug/l	99
20) Methylene Chloride	3.68	84	269916	20.300	ug/l	98
21) trans-1,2-Dichloroethene	4.07	96	195901	17.354	ug/l	98
22) Diisopropyl ether	4.83	45	891581	18.861	ug/l	96
23) Vinyl Acetate	4.77	43	2580743	97.662	ug/l	100
24) 1,1-Dichloroethane	4.72	63	389035	19.050	ug/l	100
25) 2-Butanone	5.60	43	458740	86.220	ug/l	99
26) 2,2-Dichloropropane	5.56	77	325323	19.056	ug/l	99
27) cis-1,2-Dichloroethene	5.57	96	237511	19.216	ug/l	94
28) Bromochloromethane	5.91	49	202703	20.710	ug/l	92
29) Tetrahydrofuran	5.94	42	242410	95.701	ug/l	99
30) Chloroform	6.08	83	399361	19.242	ug/l	98
31) Cyclohexane	6.34	56	314852	16.770	ug/l	99
32) 1,1,1-Trichloroethane	6.27	97	325223	18.463	ug/l	99
36) 1,1-Dichloropropene	6.50	75	270977	18.793	ug/l	99
37) Ethyl Acetate	5.68	43	203940	18.176	ug/l	98
38) Carbon Tetrachloride	6.48	117	276821	19.024	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	270762	17.380	ug/l	96
40) Benzene	6.77	78	716265	19.104	ug/l	99
41) Methacrylonitrile	5.93	41	244198	43.205	ug/l #	81
42) 1,2-Dichloroethane	6.88	62	228616	18.994	ug/l	99
43) Isopropyl Acetate	8.34	43	282939	19.383	ug/l #	96
44) Trichloroethene	7.73	130	218532	19.796	ug/l	98
45) 1,2-Dichloropropane	8.09	63	200762	19.157	ug/l	99
46) Dibromomethane	8.20	93	130087	19.305	ug/l	97
47) Bromodichloromethane	8.47	83	296882	19.462	ug/l	100
48) Methyl methacrylate	8.23	41	159575	18.753	ug/l	98
49) 1,4-Dioxane	8.22	88	30346	399.451	ug/l	92
51) 4-Methyl-2-Pentanone	9.33	43	957288	87.965	ug/l	96
52) Toluene	9.54	92	470770	19.582	ug/l	97
53) t-1,3-Dichloropropene	9.91	75	272957	19.346	ug/l	98
54) cis-1,3-Dichloropropene	9.09	75	309064	18.893	ug/l	96
55) 1,1,2-Trichloroethane	10.17	97	171815	19.551	ug/l	95
56) Ethyl methacrylate	10.02	69	198252	19.547	ug/l	100
57) 1,3-Dichloropropane	10.37	76	255660	20.100	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.91	63	554233	113.914	ug/l	99
59) 2-Hexanone	10.48	43	714028	88.956	ug/l	96
60) Dibromochloromethane	10.63	129	212790	19.264	ug/l	99
61) 1,2-Dibromoethane	10.75	107	173080	19.478	ug/l	100
64) Tetrachloroethene	10.25	164	197263	18.905	ug/l	97
65) Chlorobenzene	11.31	112	537105	20.029	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.42	131	198165	20.227	ug/l	97
67) Ethyl Benzene	11.43	91	934496	20.714	ug/l	99
68) m/p-Xylenes	11.56	106	674891	41.087	ug/l	97
69) o-Xylene	11.93	106	325641	20.270	ug/l	92
70) Styrene	11.95	104	570521	20.509	ug/l	96
71) Bromoform	12.12	173	157956	18.634	ug/l #	98
73) Isopropylbenzene	12.27	105	918656	19.843	ug/l	99
74) N-amyl acetate	12.13	43	379912	18.741	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.56	83	205261	19.167	ug/l	98
76) 1,2,3-Trichloropropane	12.60	75	213911	18.977	ug/l	99
77) Bromobenzene	12.54	156	251500	19.593	ug/l	87
78) n-propylbenzene	12.64	91	1168253	19.928	ug/l	99
79) 2-Chlorotoluene	12.71	91	636149	19.188	ug/l	94
80) 1,3,5-Trimethylbenzene	12.79	105	734549	19.956	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.34	75	58539	16.695	ug/l	97
82) 4-Chlorotoluene	12.80	91	733101	19.386	ug/l	94
83) tert-Butylbenzene	13.04	119	810686	19.334	ug/l	93
84) 1,2,4-Trimethylbenzene	13.09	105	731689	19.072	ug/l	98
85) sec-Butylbenzene	13.22	105	952408	19.315	ug/l	99
86) p-Isopropyltoluene	13.34	119	805485	20.086	ug/l	96
87) 1,3-Dichlorobenzene	13.31	146	444334	19.389	ug/l	98
88) 1,4-Dichlorobenzene	13.38	146	456464	19.964	ug/l	96
89) n-Butylbenzene	13.64	91	824784	18.877	ug/l	97
90) Hexachloroethane	13.86	117	187826	17.443	ug/l	85
91) 1,2-Dichlorobenzene	13.66	146	407281	20.902	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.22	75	29441	17.881	ug/l	65

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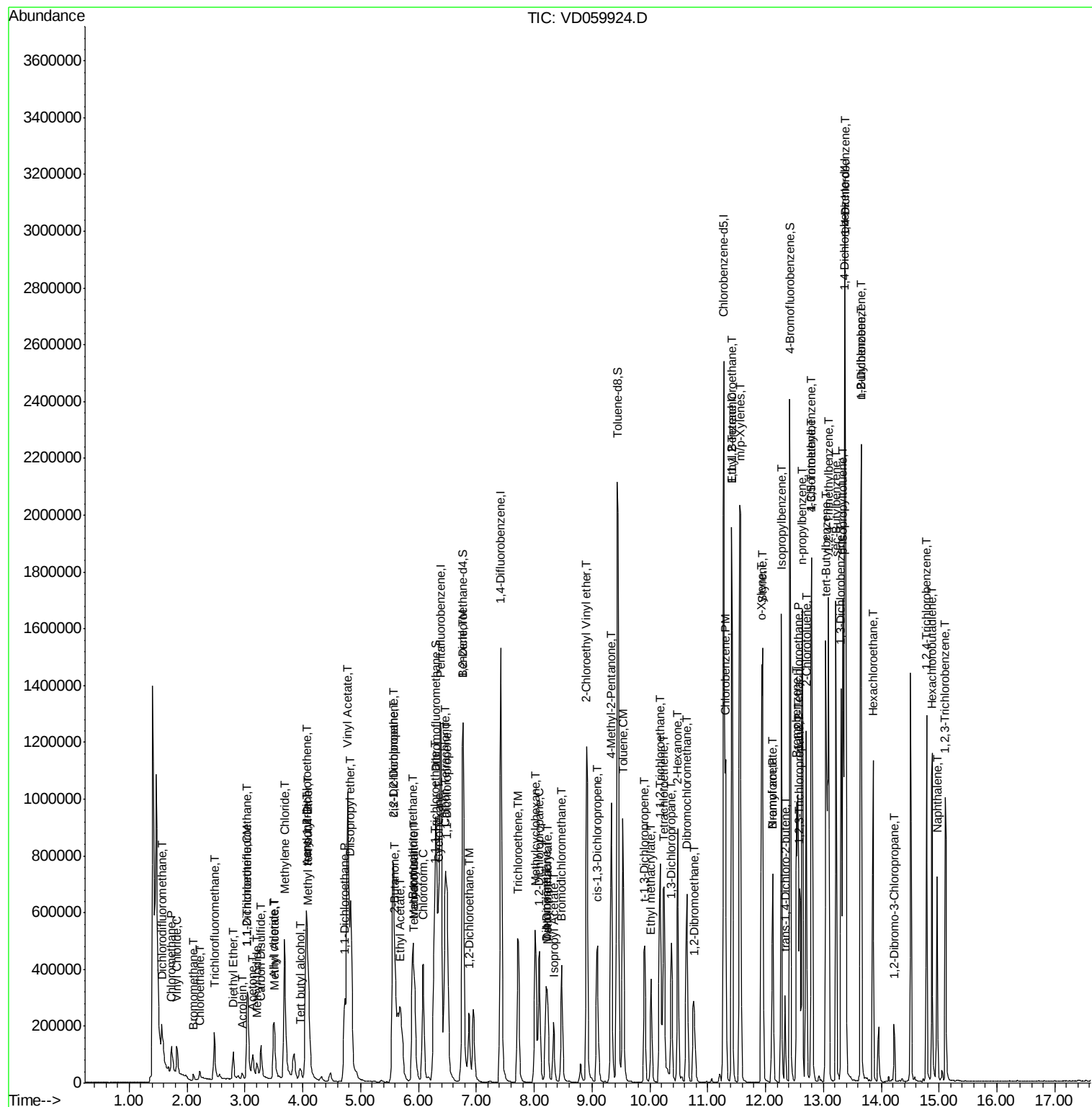
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	337906	20.253	ug/l	97
94) Hexachlorobutadiene	14.88	225	225083	20.581	ug/l	98
95) Naphthalene	14.97	128	485422	19.039	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	282858	19.823	ug/l	99

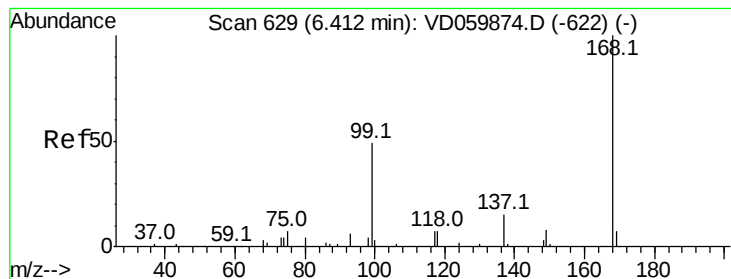
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD083018\
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Quant Time: Aug 30 18:04:48 2018
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.39 min Scan# 626

Delta R.T. -0.02 min

Lab File: VD059924.D

Acq: 30 Aug 2018 13:32

Instrument :

MSVOA_D

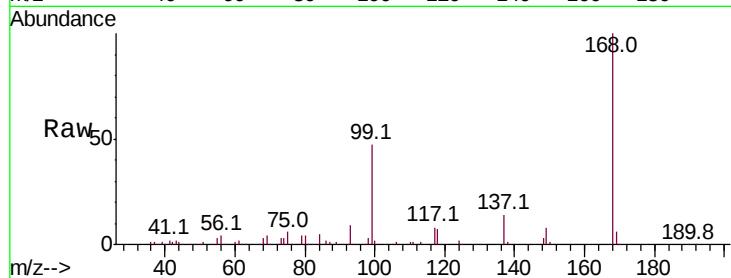
ClientSampleId :

Tot Ion:168 Resp: 1169901

Ion Ratio Lower Upper

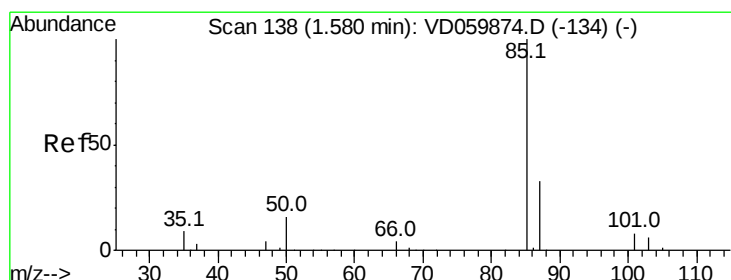
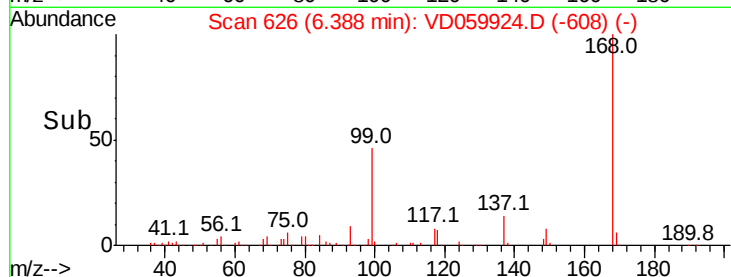
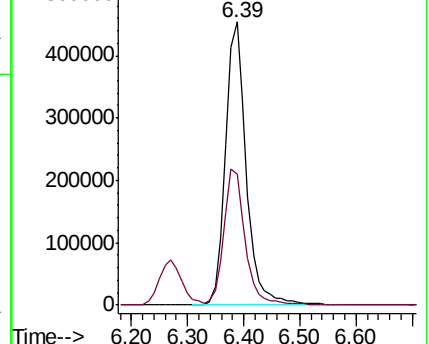
168 100

99 46.5 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 16.139 ug/l

RT: 1.57 min Scan# 136

Delta R.T. -0.01 min

Lab File: VD059924.D

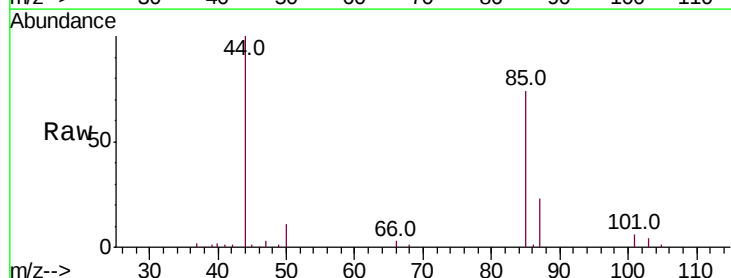
Acq: 30 Aug 2018 13:32

Tgt Ion: 85 Resp: 168779

Ion Ratio Lower Upper

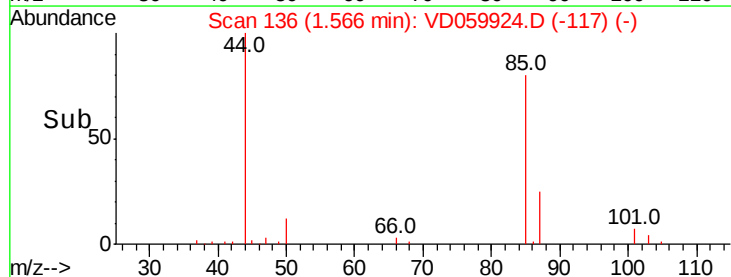
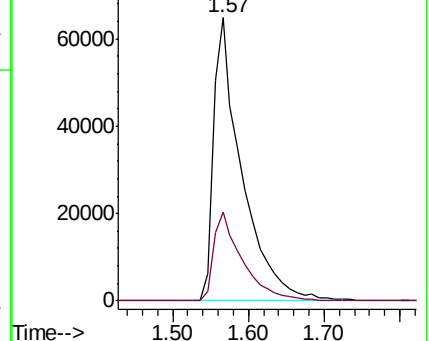
85 100

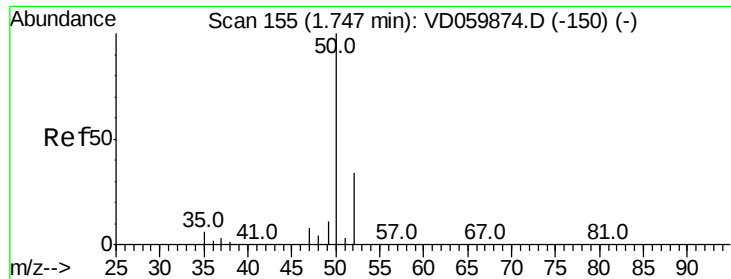
87 31.5 16.8 50.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 16.048 ug/l

RT: 1.73 min Scan# 153

Delta R.T. -0.01 min

Lab File: VD059924.D

Acq: 30 Aug 2018 13:32

Instrument :

MSVOA_D

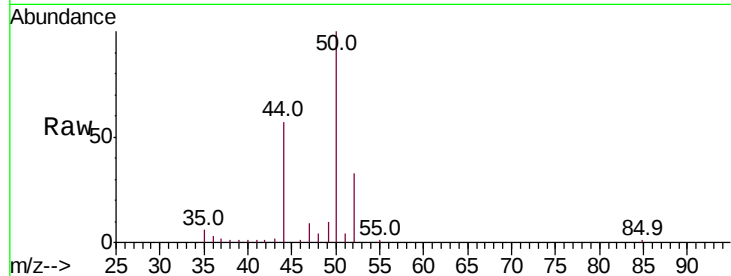
ClientSampled :

Tot Ion: 50 Resp: 152030

Ion Ratio Lower Upper

50 100

52 33.2 27.0 40.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.73

60000

50000

40000

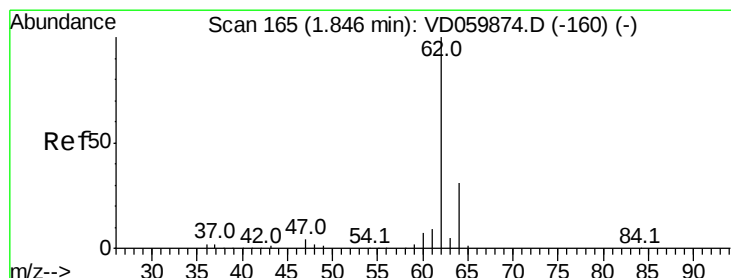
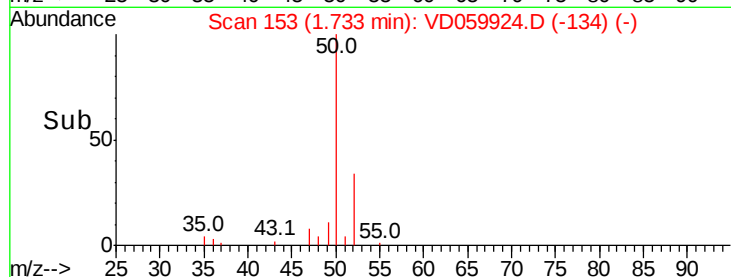
30000

20000

10000

0

Time--> 1.60 1.70 1.80 1.90



#4

Vinyl Chloride

Concen: 16.263 ug/l

RT: 1.82 min Scan# 162

Delta R.T. -0.02 min

Lab File: VD059924.D

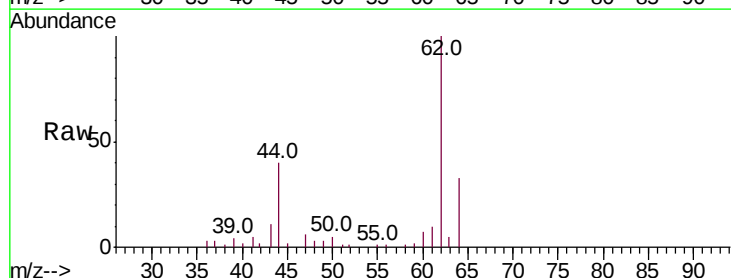
Acq: 30 Aug 2018 13:32

Tgt Ion: 62 Resp: 120808

Ion Ratio Lower Upper

62 100

64 33.0 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.82

60000

50000

40000

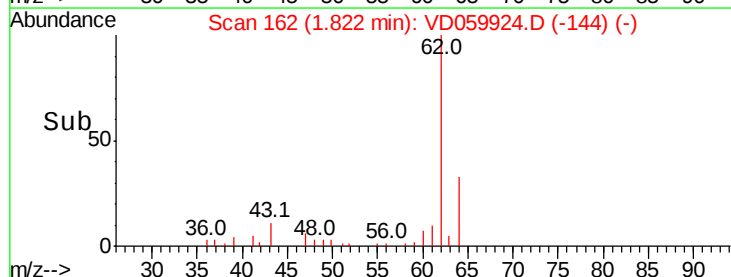
30000

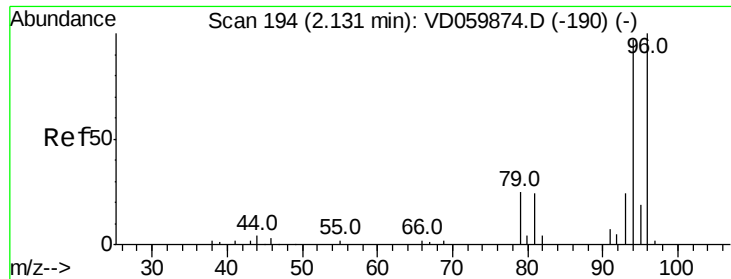
20000

10000

0

Time--> 1.70 1.80 1.90 2.00





#5

Bromomethane

Concen: 9.284 ug/l

RT: 2.11 min Scan# 191

Delta R.T. -0.02 min

Lab File: VD059924.D

Acq: 30 Aug 2018 13:32

Instrument :

MSVOA_D

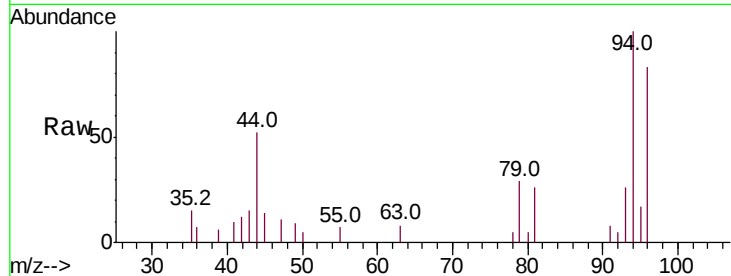
ClientSampleId :

Tot Ion: 94 Resp: 11907

Ion Ratio Lower Upper

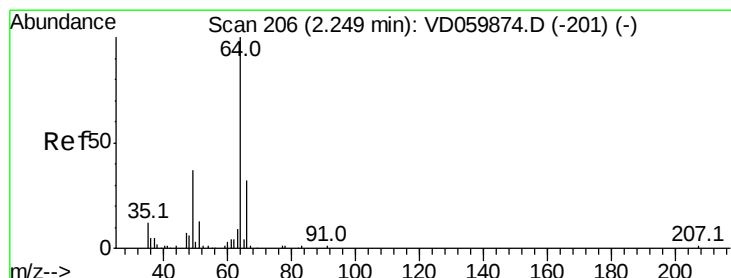
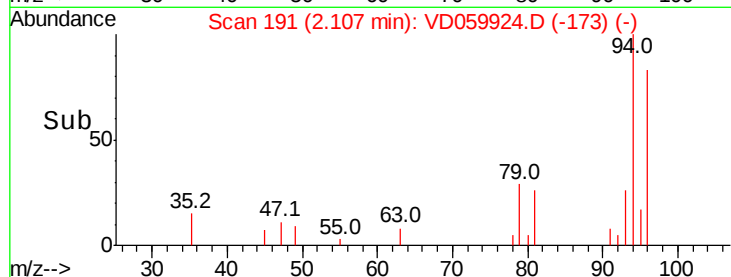
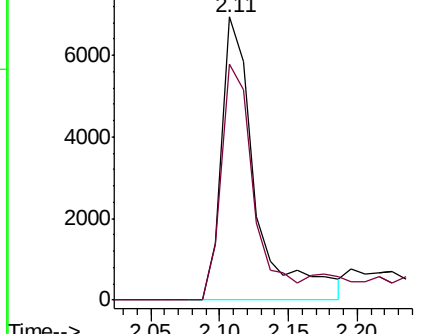
94 100

96 83.4 82.4 123.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 11.184 ug/l

RT: 2.22 min Scan# 202

Delta R.T. -0.03 min

Lab File: VD059924.D

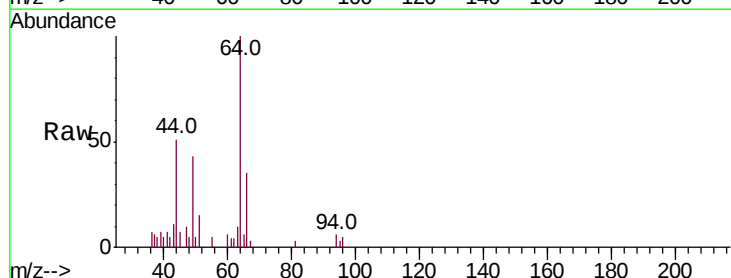
Acq: 30 Aug 2018 13:32

Tgt Ion: 64 Resp: 29975

Ion Ratio Lower Upper

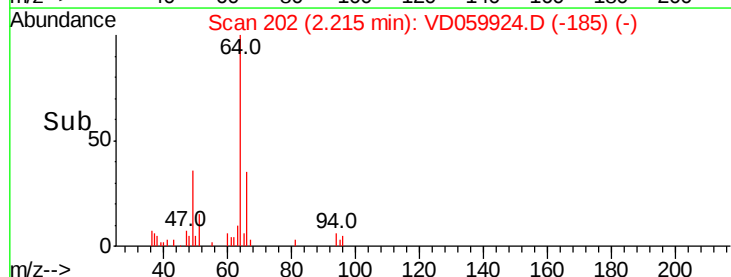
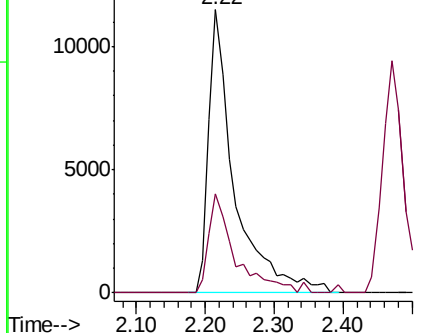
64 100

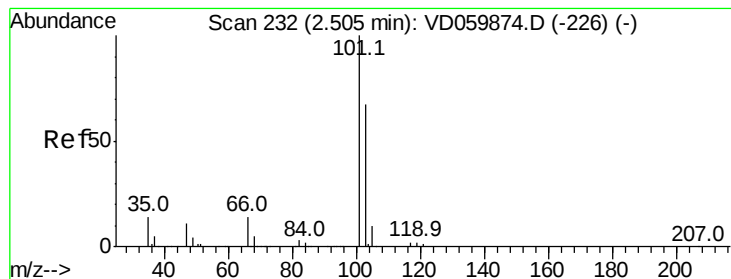
66 35.0 25.3 37.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



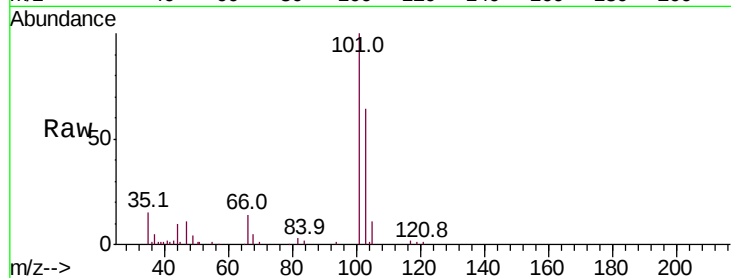


#7

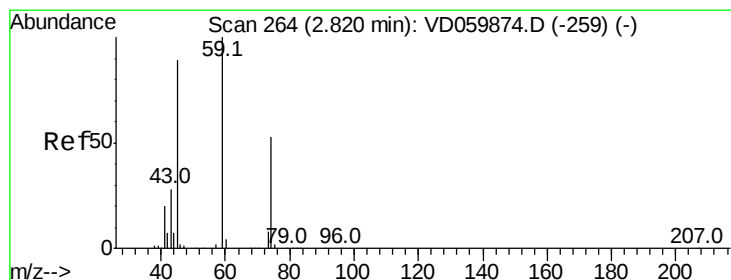
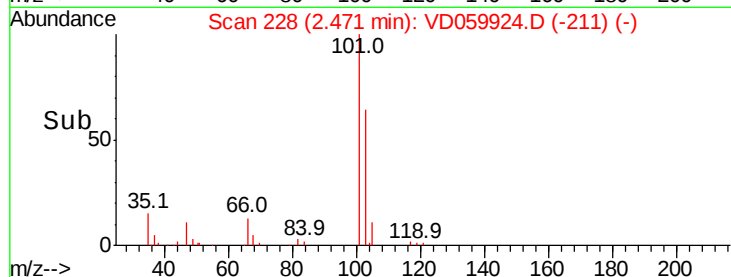
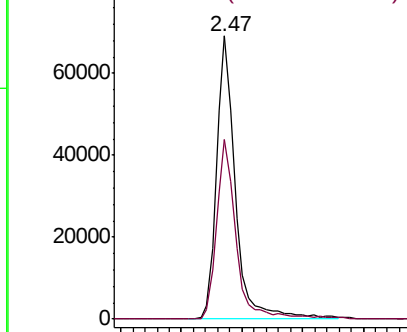
Trichlorofluoromethane
Concen: 17.441 ug/l
RT: 2.47 min Scan# 228
Delta R.T. -0.03 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:101 Resp: 149883
Ion Ratio Lower Upper
101 100
103 63.6 53.7 80.5



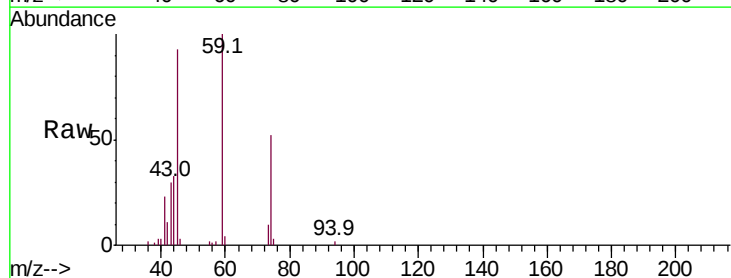
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



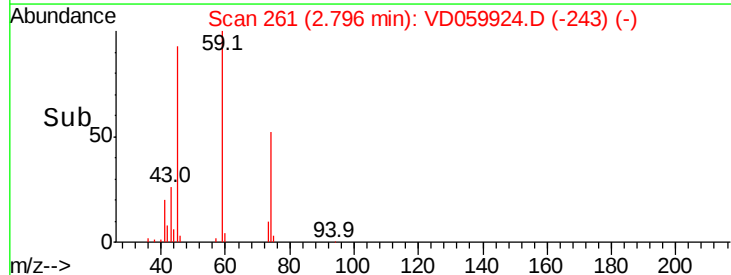
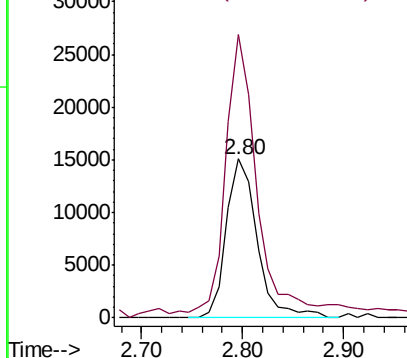
#8

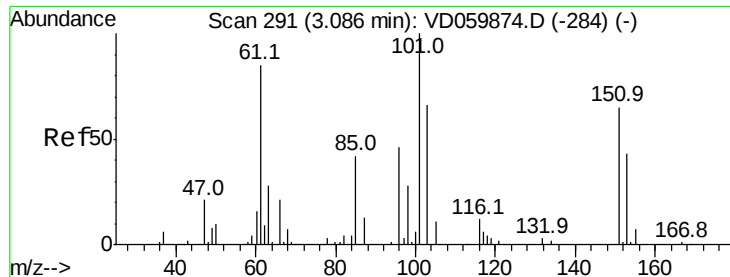
Diethyl Ether
Concen: 16.665 ug/l
RT: 2.80 min Scan# 261
Delta R.T. -0.02 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

Tgt Ion: 74 Resp: 32129
Ion Ratio Lower Upper
74 100
45 178.0 85.7 257.1



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.203 ug/l

RT: 3.05 min Scan# 287

Delta R.T. -0.03 min

Lab File: VD059924.D

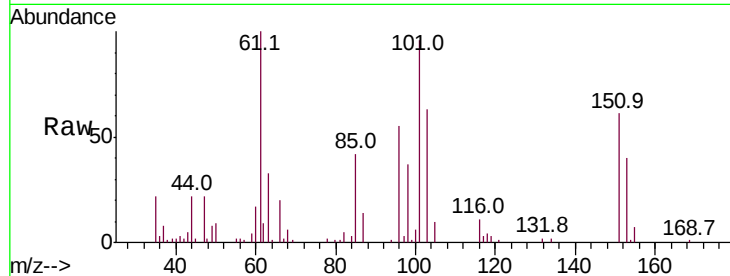
Acq: 30 Aug 2018 13:32

Instrument :

MSVOA_D

ClientSampled :

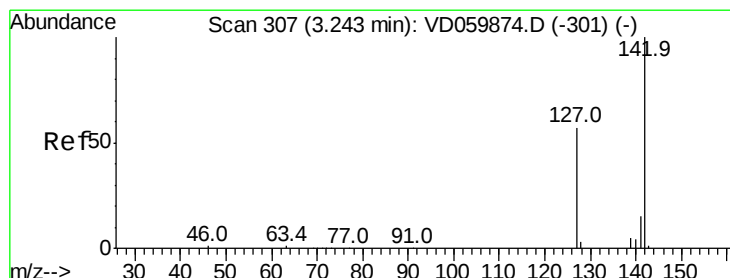
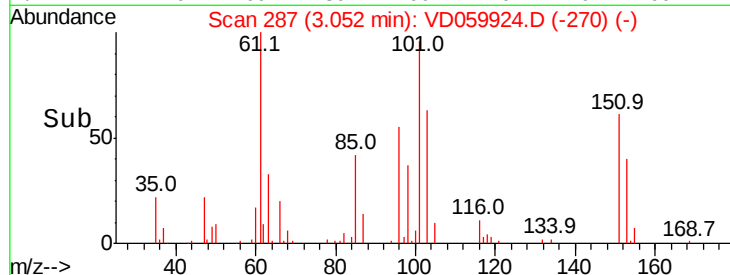
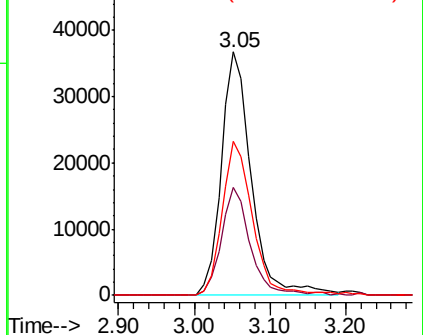
Tot Ion:	101	Resp:	101065
Ion	Ratio	Lower	Upper
101	100		
85	44.3	33.6	50.4
151	63.4	52.0	78.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 16.543 ug/l

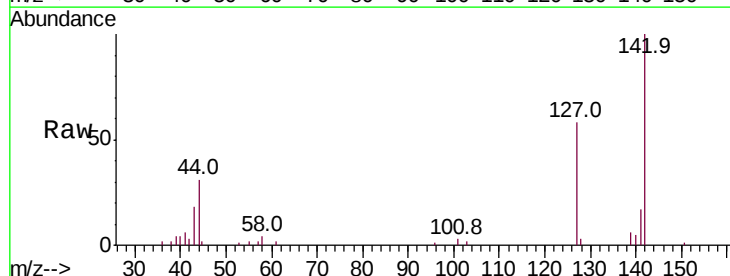
RT: 3.21 min Scan# 303

Delta R.T. -0.03 min

Lab File: VD059924.D

Acq: 30 Aug 2018 13:32

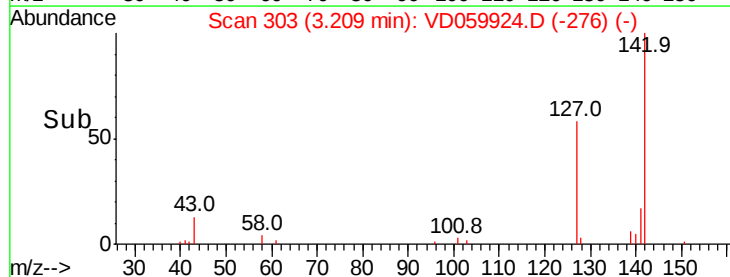
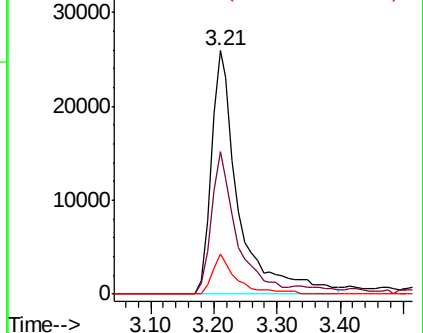
Tgt Ion:	142	Resp:	78777
Ion	Ratio	Lower	Upper
142	100		
127	58.4	45.8	68.6
141	16.6	11.6	17.4

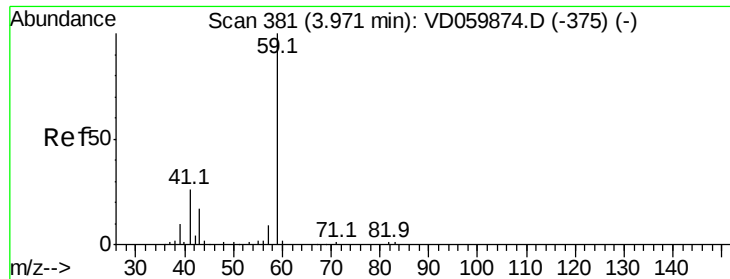


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

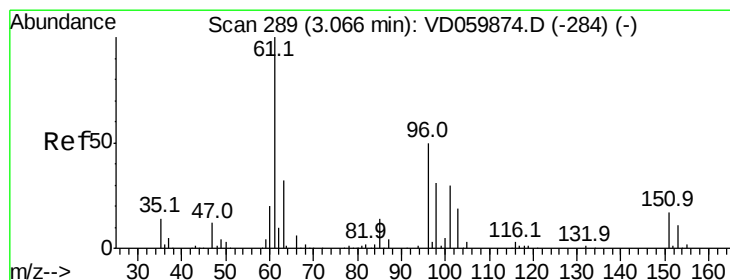
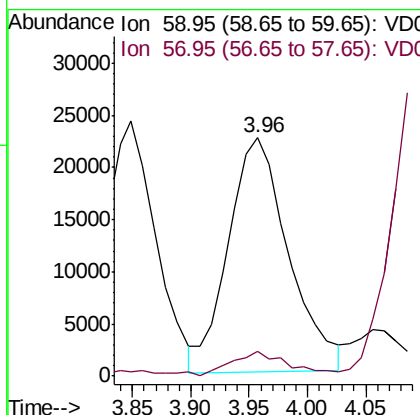
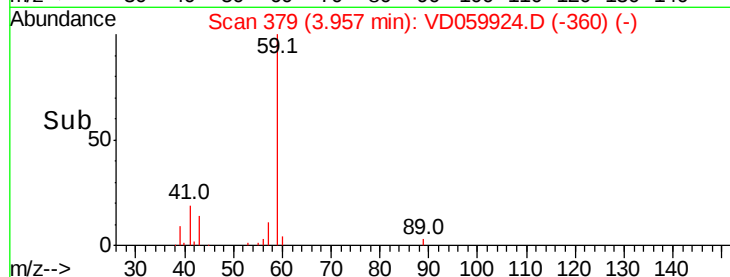
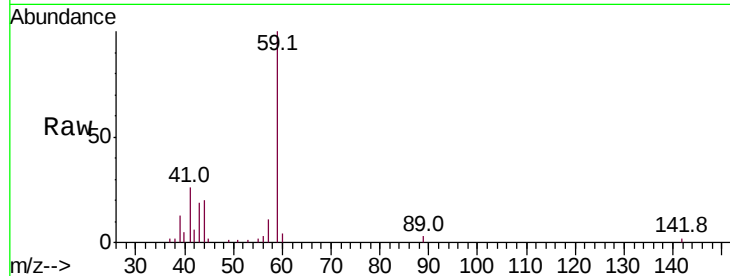




#11
Tert butyl alcohol
Concen: 107.422 ug/l
RT: 3.96 min Scan# 379
Delta R.T. -0.01 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

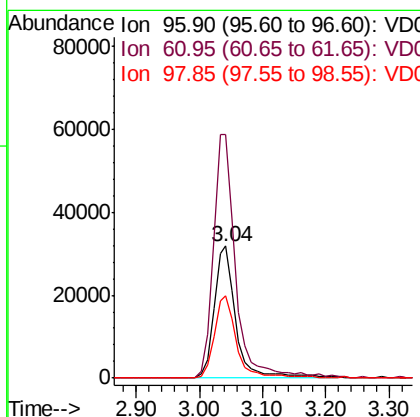
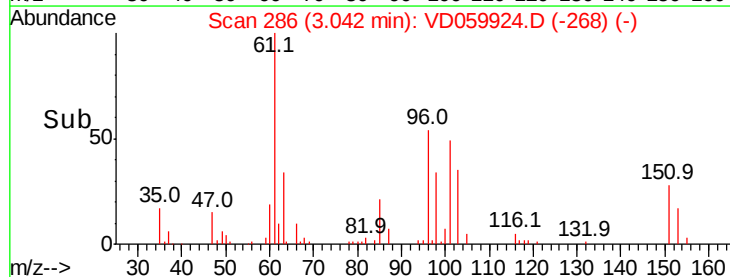
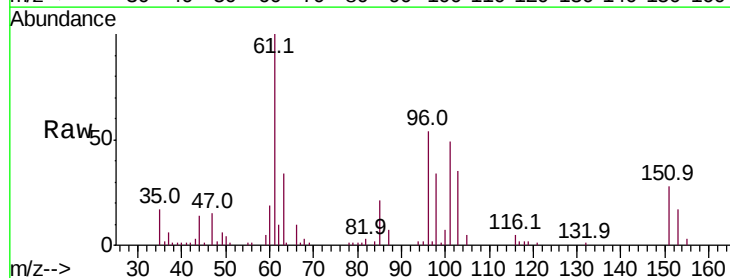
Instrument :
MSVOA_D
ClientSampleId :

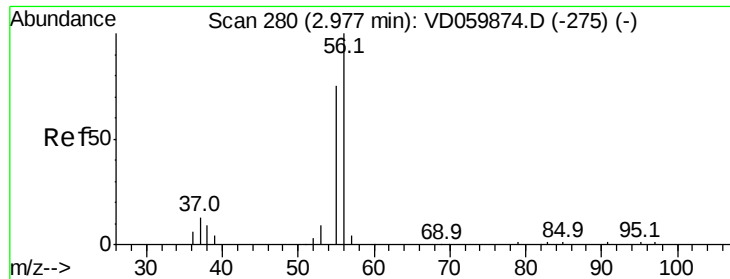
Tot Ion: 59 Resp: 80822
Ion Ratio Lower Upper
59 100
57 10.6 7.4 11.0



#12
1,1-Dichloroethene
Concen: 18.807 ug/l
RT: 3.04 min Scan# 286
Delta R.T. -0.02 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

Tgt Ion: 96 Resp: 77054
Ion Ratio Lower Upper
96 100
61 184.4 158.8 238.2
98 61.9 48.7 73.1

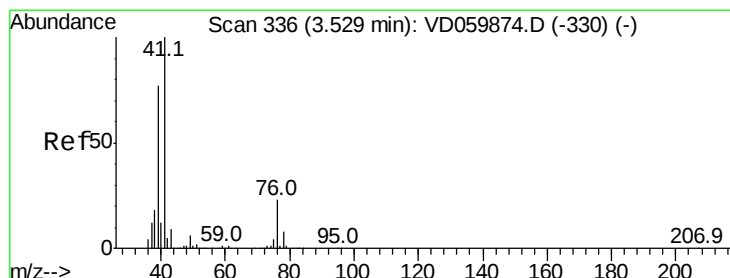
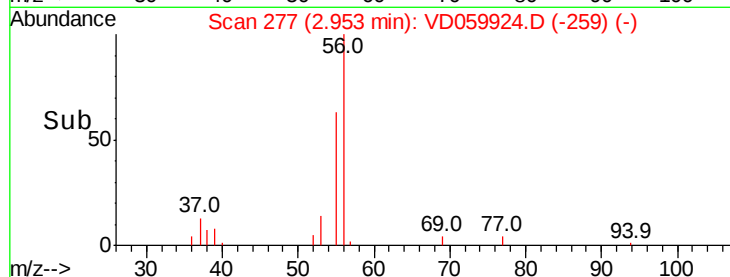
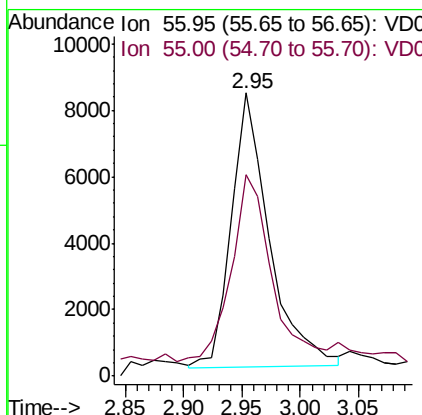
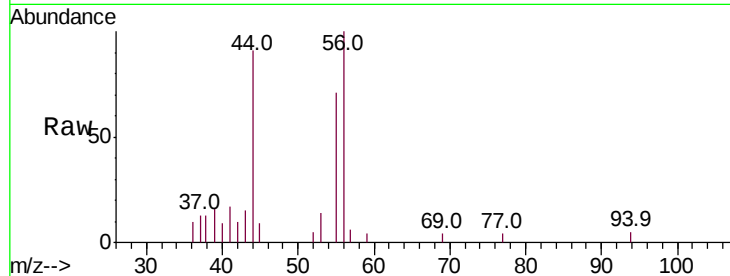




#13
Acrolein
Concen: 56.827 ug/l
RT: 2.95 min Scan# 277
Delta R.T. -0.02 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

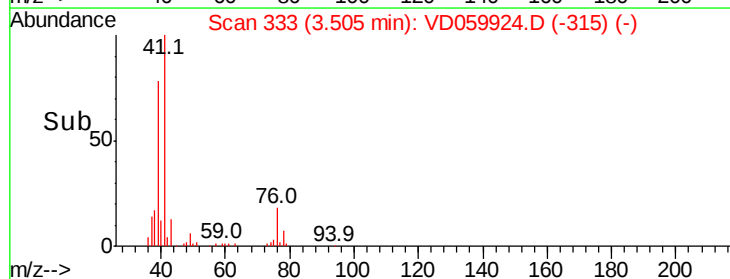
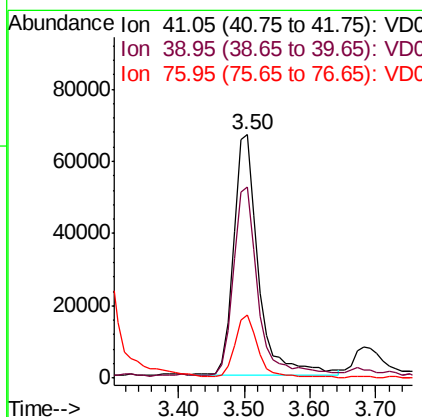
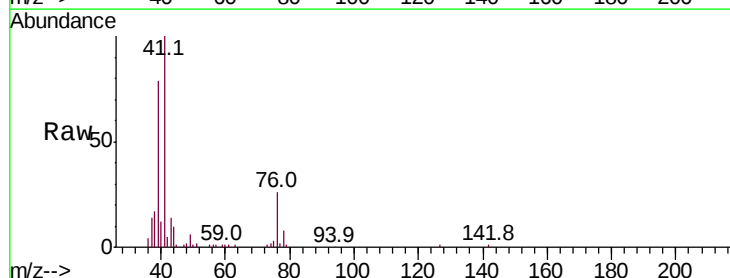
Instrument :
MSVOA_D
ClientSampleId :

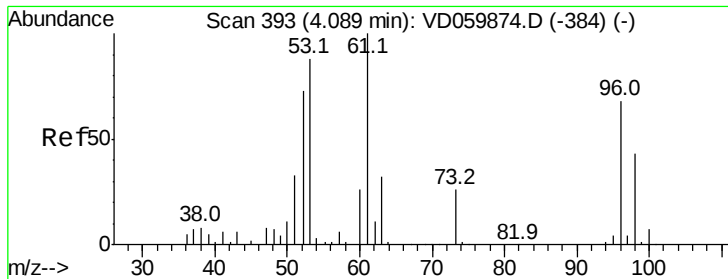
Tot Ion: 56 Resp: 18544
Ion Ratio Lower Upper
56 100
55 71.2 61.9 92.9



#14
Allyl chloride
Concen: 19.053 ug/l
RT: 3.50 min Scan# 333
Delta R.T. -0.02 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

Tgt Ion: 41 Resp: 176598
Ion Ratio Lower Upper
41 100
39 78.7 61.8 92.6
76 25.9 19.4 29.2





#15

Acrylonitrile

Concen: 92.968 ug/l

RT: 4.06 min Scan# 389

Delta R.T. -0.03 min

Lab File: VD059924.D

Acq: 30 Aug 2018 13:32

Instrument :
MSVOA_D
ClientSampled :

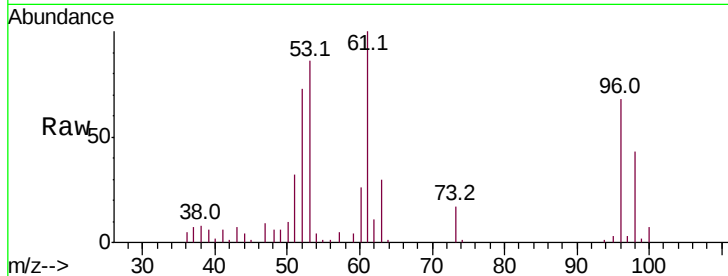
Tot Ion: 53 Resp: 261936

Ion Ratio Lower Upper

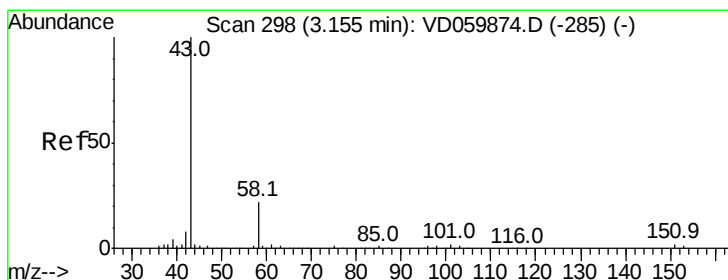
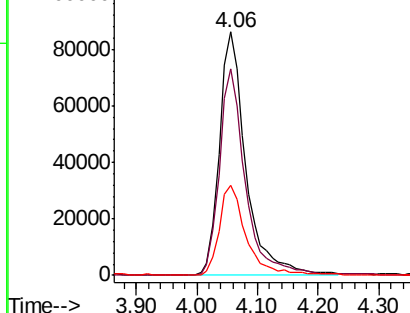
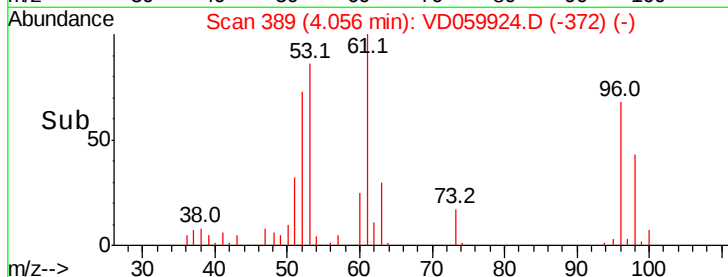
53 100

52 85.0 66.9 100.3

51 37.2 30.3 45.5



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: 85.213 ug/l

RT: 3.13 min Scan# 295

Delta R.T. -0.02 min

Lab File: VD059924.D

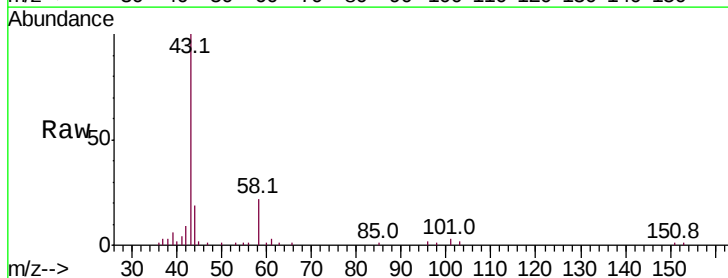
Acq: 30 Aug 2018 13:32

Tgt Ion: 43 Resp: 153082

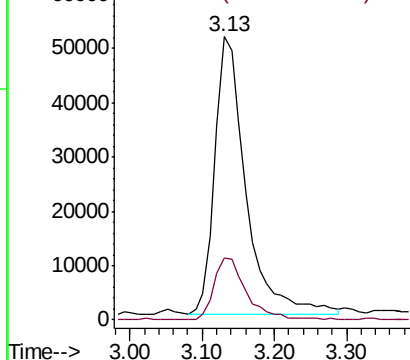
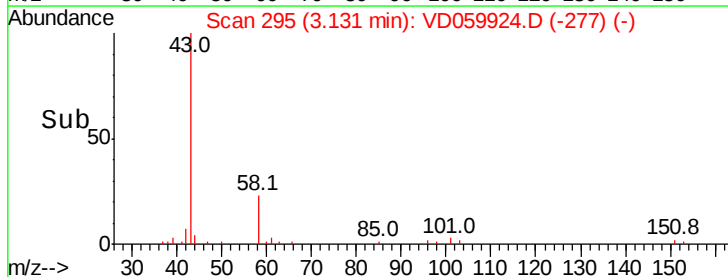
Ion Ratio Lower Upper

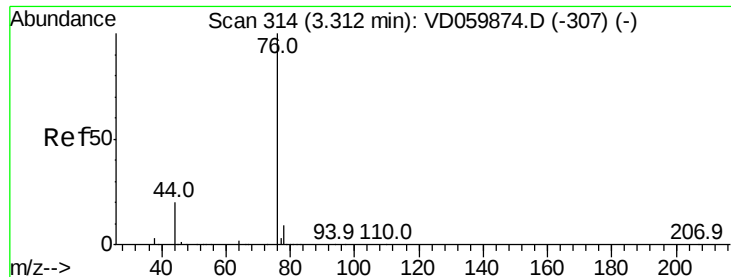
43 100

58 22.0 17.6 26.4



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





#17

Carbon Disulfide

Concen: 14.654 ug/l

RT: 3.28 min Scan# 310

Delta R.T. -0.03 min

Lab File: VD059924.D

Acq: 30 Aug 2018 13:32

Instrument :

MSVOA_D

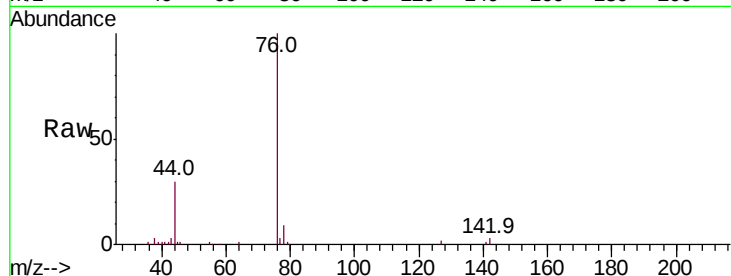
ClientSampleId :

Tot Ion: 76 Resp: 186359

Ion Ratio Lower Upper

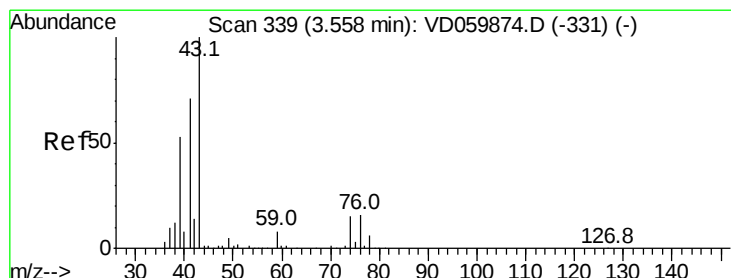
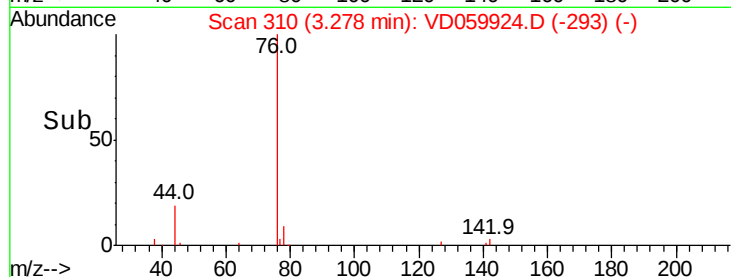
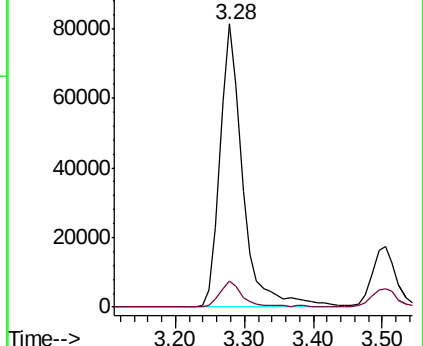
76 100

78 9.3 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 17.903 ug/l

RT: 3.52 min Scan# 335

Delta R.T. -0.03 min

Lab File: VD059924.D

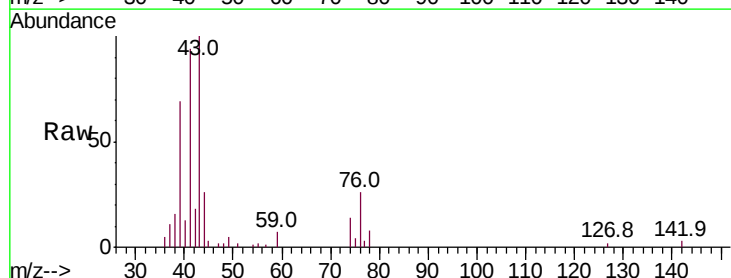
Acq: 30 Aug 2018 13:32

Tgt Ion: 43 Resp: 67140

Ion Ratio Lower Upper

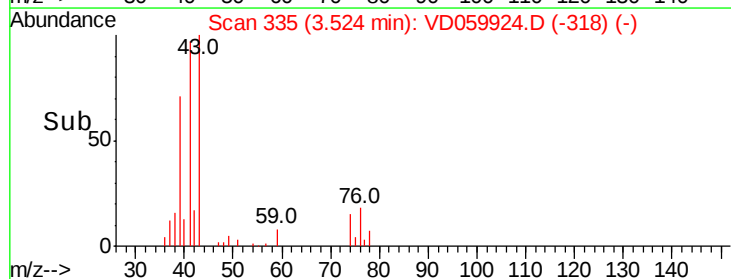
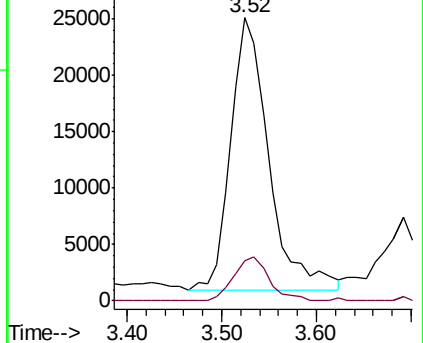
43 100

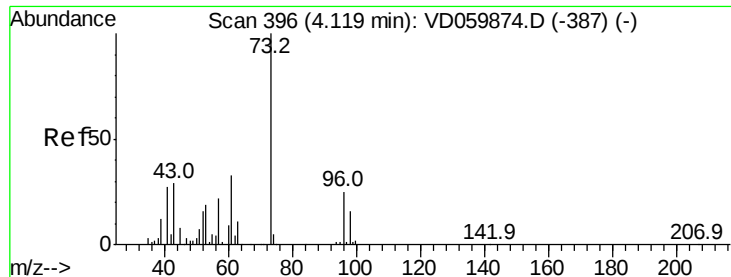
74 14.4 11.2 16.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



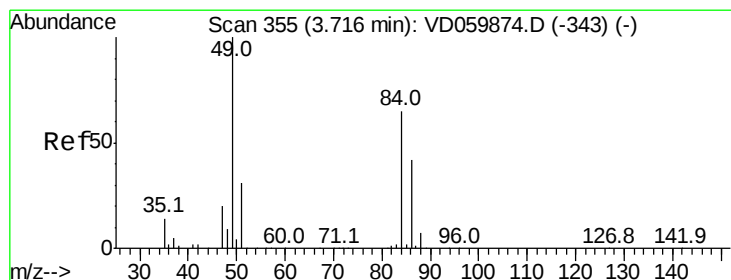
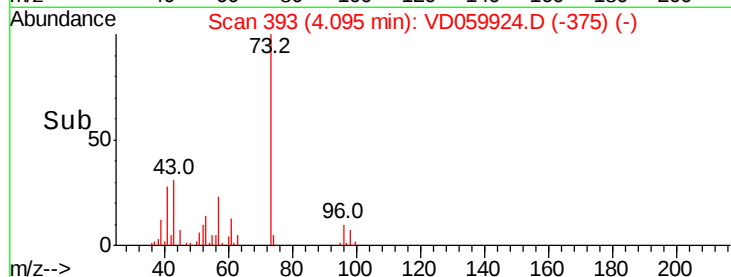
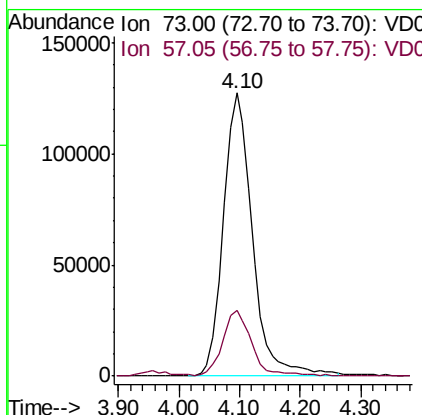
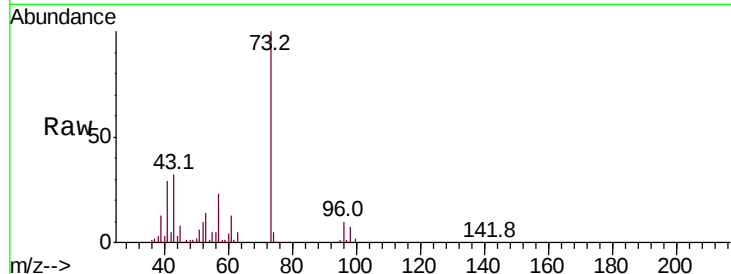


#19

Methyl tert-butyl Ether
 Concen: 18.337 ug/l
 RT: 4.10 min Scan# 393
 Delta R.T. -0.02 min
 Lab File: VD059924.D
 Acq: 30 Aug 2018 13:32

Instrument :
 MSVOA_D
 ClientSampled :

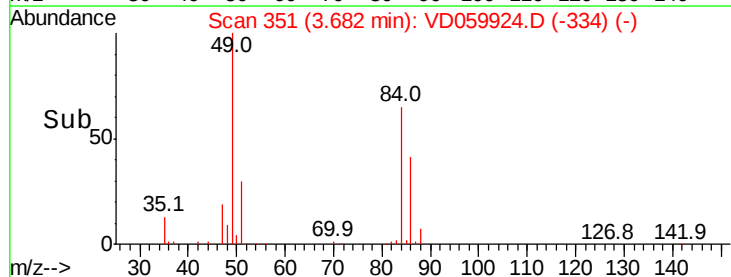
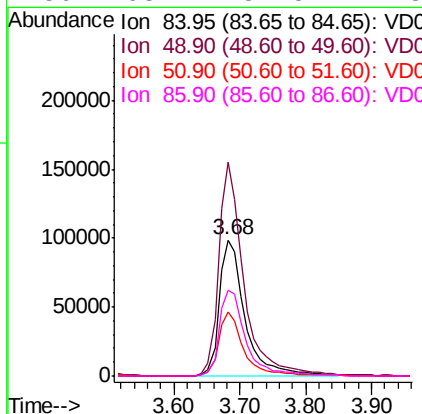
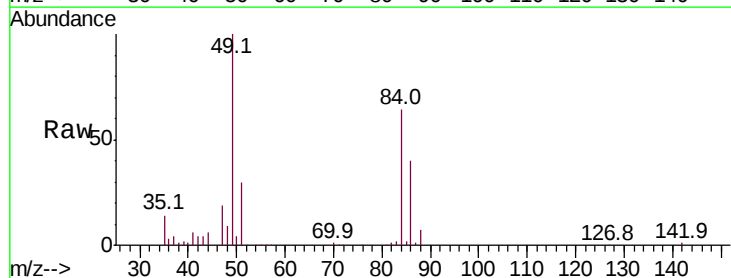
Tot Ion: 73 Resp: 425001
 Ion Ratio Lower Upper
 73 100
 57 23.0 17.9 26.9

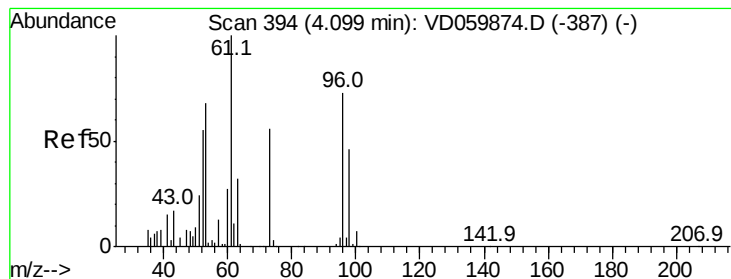


#20

Methylene Chloride
 Concen: 20.300 ug/l
 RT: 3.68 min Scan# 351
 Delta R.T. -0.03 min
 Lab File: VD059924.D
 Acq: 30 Aug 2018 13:32

Tgt Ion: 84 Resp: 269916
 Ion Ratio Lower Upper
 84 100
 49 156.8 122.6 183.8
 51 47.3 38.4 57.6
 86 63.4 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 17.354 ug/l

RT: 4.07 min Scan# 390

Delta R.T. -0.03 min

Lab File: VD059924.D

Acq: 30 Aug 2018 13:32

Instrument :
MSVOA_D
ClientSampleId :

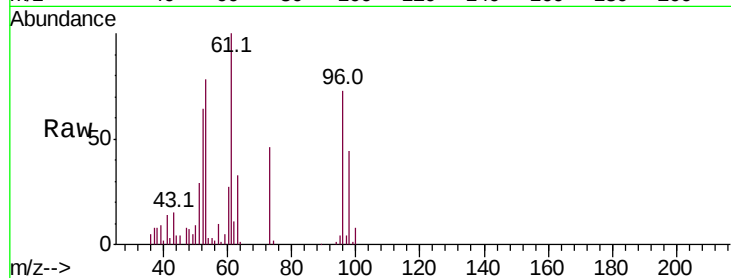
Tot Ion: 96 Resp: 195901

Ion Ratio Lower Upper

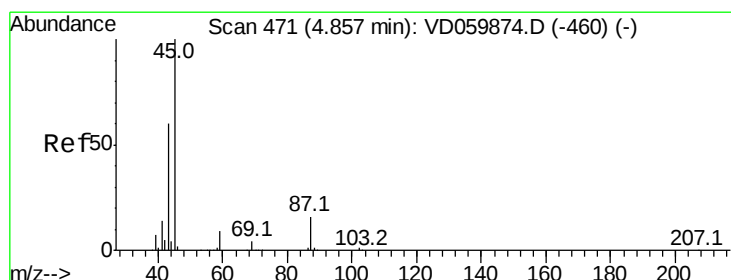
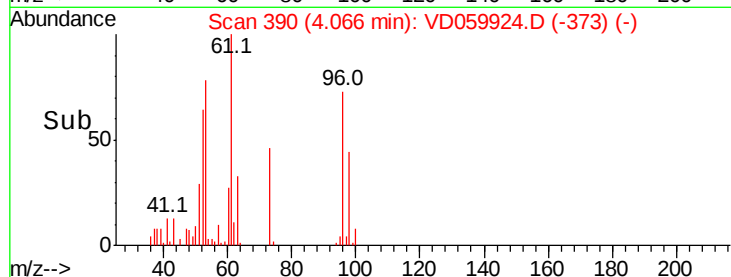
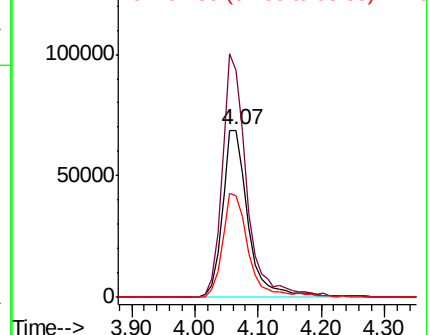
96 100

61 136.2 110.2 165.4

98 60.5 50.9 76.3



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



#22

Diisopropyl ether

Concen: 18.861 ug/l

RT: 4.83 min Scan# 468

Delta R.T. -0.02 min

Lab File: VD059924.D

Acq: 30 Aug 2018 13:32

Tgt Ion: 45 Resp: 891581

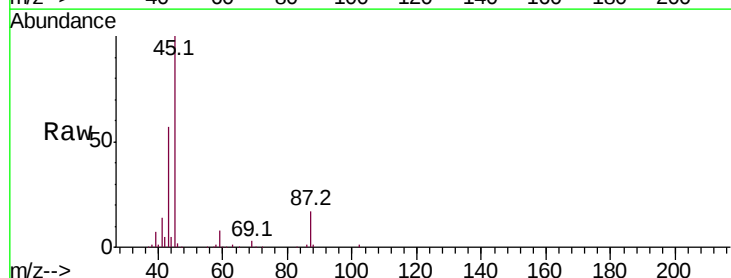
Ion Ratio Lower Upper

45 100

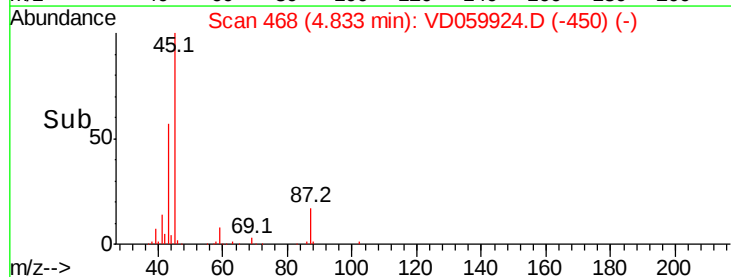
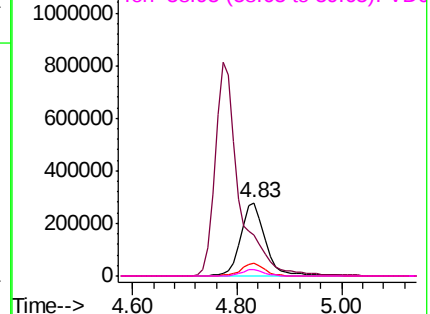
43 56.6 48.6 72.8

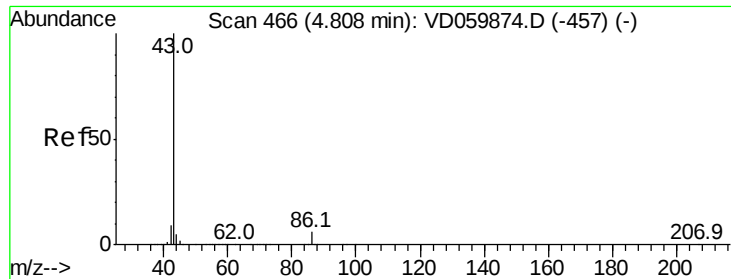
87 16.7 13.3 19.9

59 8.4 7.1 10.7



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

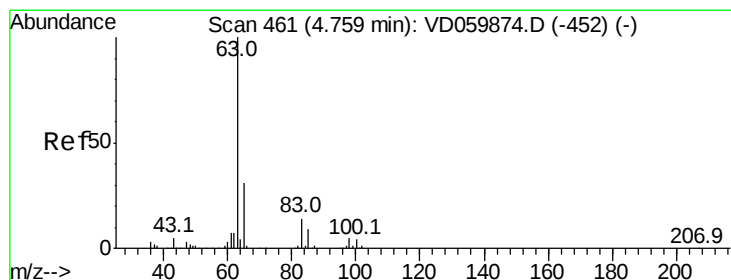
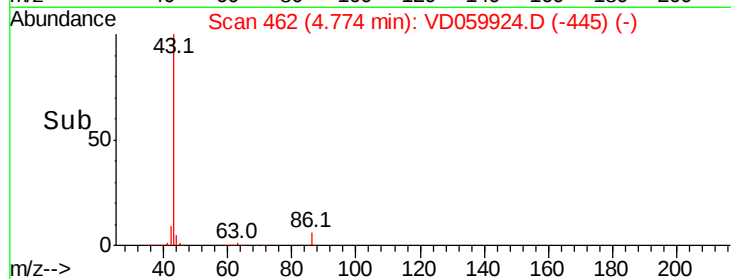
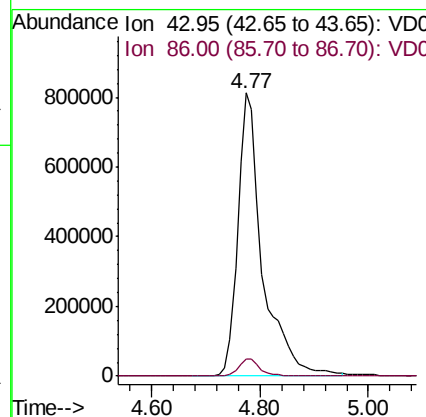
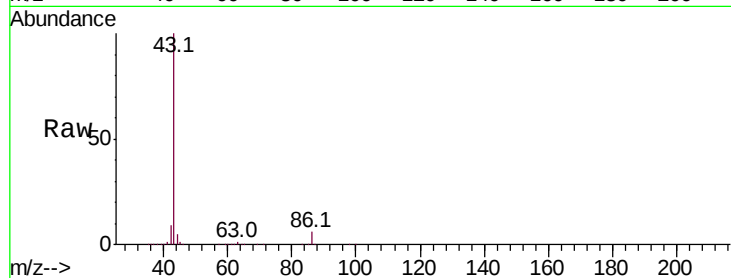




#23
 Vinyl Acetate
 Concen: 97.662 ug/l
 RT: 4.77 min Scan# 462
 Delta R.T. -0.03 min
 Lab File: VD059924.D
 Acq: 30 Aug 2018 13:32

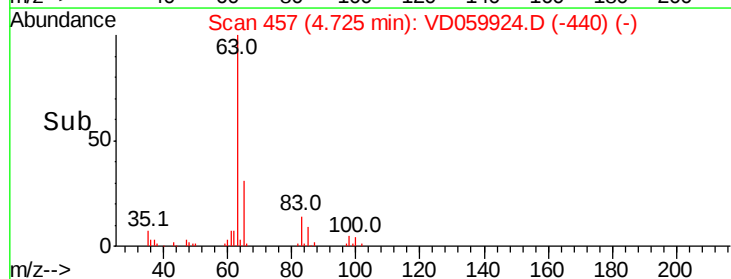
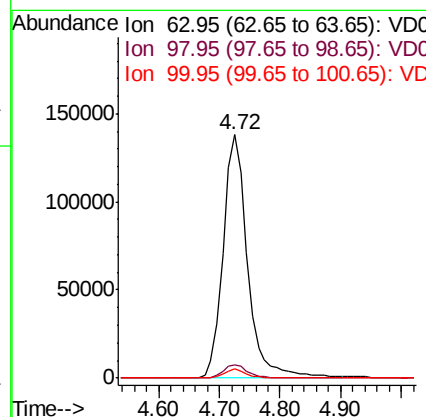
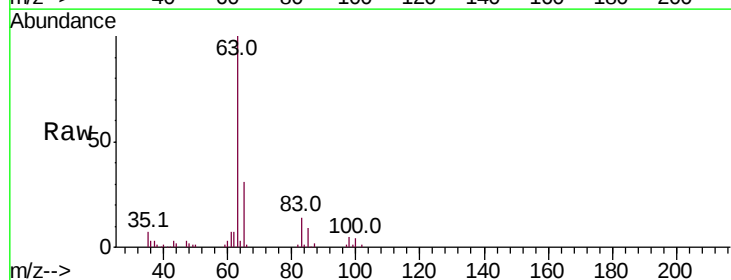
Instrument :
 MSVOA_D
 ClientSampleID :

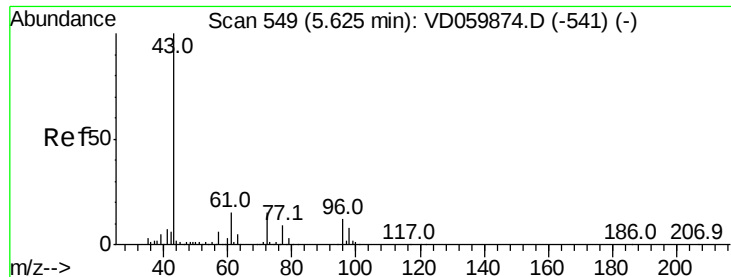
Tot Ion: 43 Resp: 2580743
 Ion Ratio Lower Upper
 43 100
 86 6.2 5.0 7.6



#24
 1,1-Dichloroethane
 Concen: 19.050 ug/l
 RT: 4.72 min Scan# 457
 Delta R.T. -0.03 min
 Lab File: VD059924.D
 Acq: 30 Aug 2018 13:32

Tgt Ion: 63 Resp: 389035
 Ion Ratio Lower Upper
 63 100
 98 5.4 2.7 8.1
 100 3.6 1.8 5.3





#25

2-Butanone

Concen: 86.220 ug/l

RT: 5.60 min Scan# 546

Delta R.T. -0.02 min

Lab File: VD059924.D

Acq: 30 Aug 2018 13:32

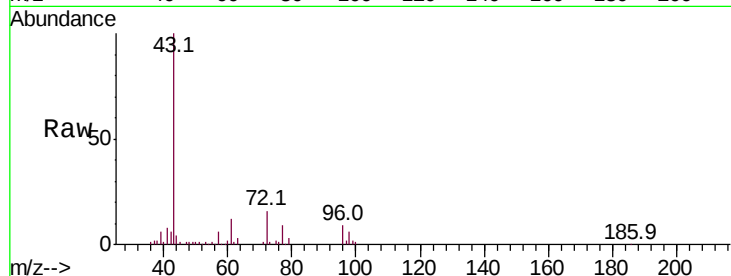
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 458740

Ion Ratio Lower Upper

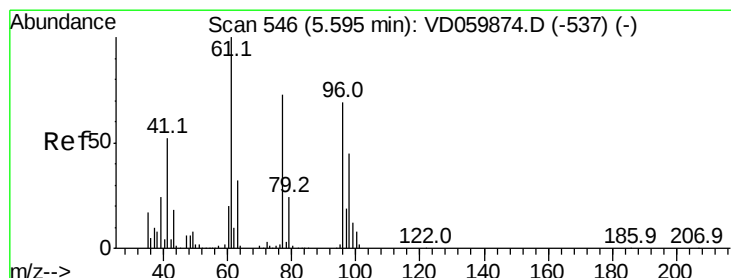
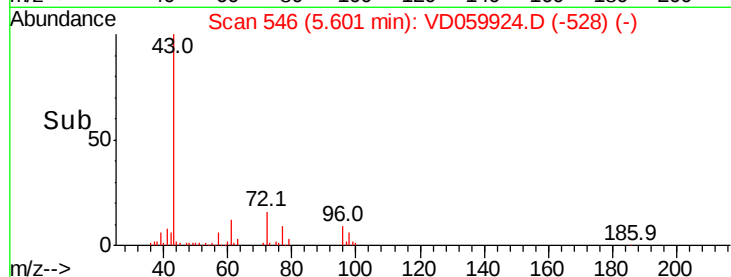
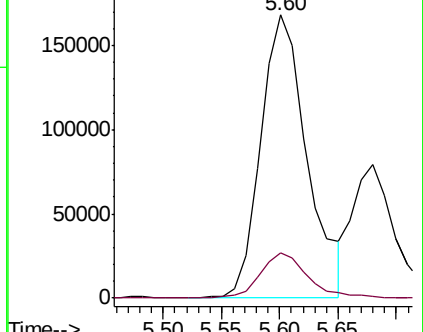
43 100

72 15.9 12.3 18.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.056 ug/l

RT: 5.56 min Scan# 542

Delta R.T. -0.03 min

Lab File: VD059924.D

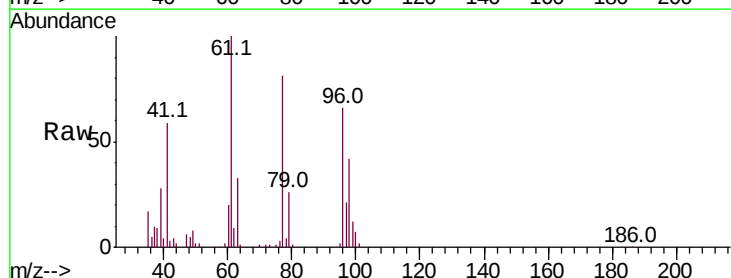
Acq: 30 Aug 2018 13:32

Tgt Ion: 77 Resp: 325323

Ion Ratio Lower Upper

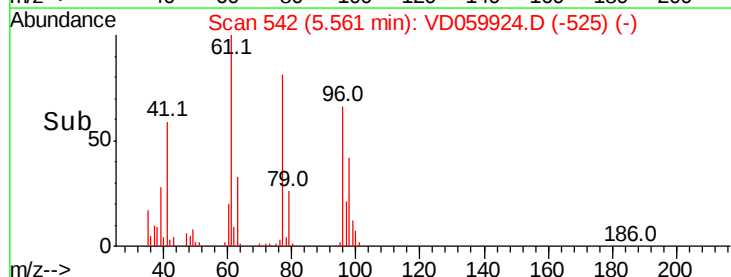
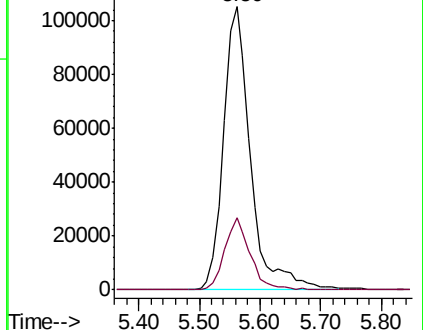
77 100

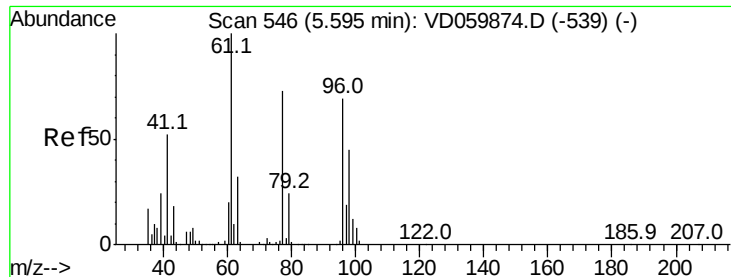
97 25.5 13.0 38.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



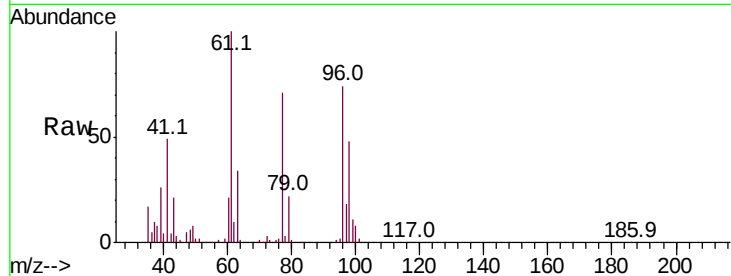


#27

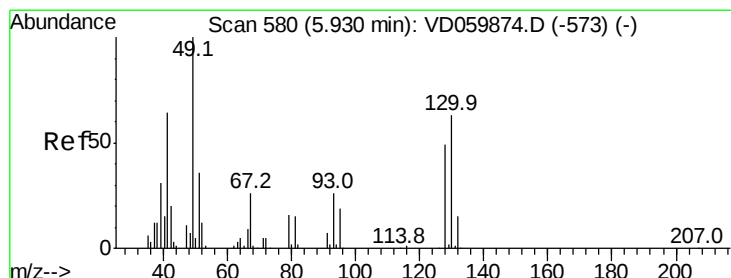
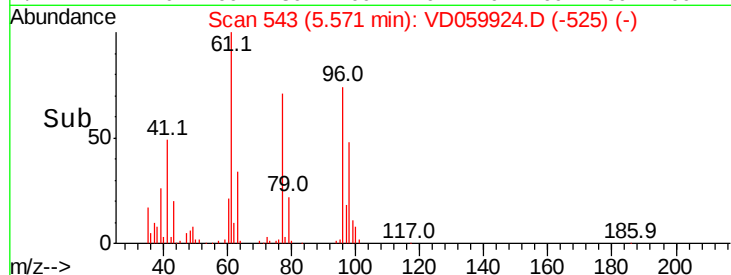
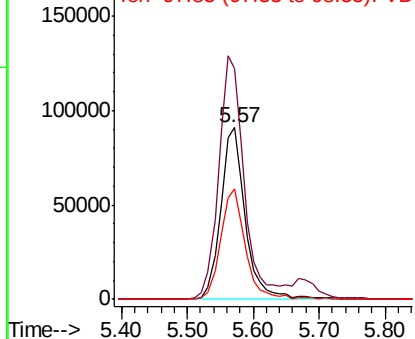
cis-1,2-Dichloroethene
 Concen: 19.216 ug/l
 RT: 5.57 min Scan# 543
 Delta R.T. -0.02 min
 Lab File: VD059924.D
 Acq: 30 Aug 2018 13:32

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	96	Resp	237511
Ion	Ratio	Lower	Upper
96	100		
61	135.0	0.0	290.2
98	64.2	0.0	130.4



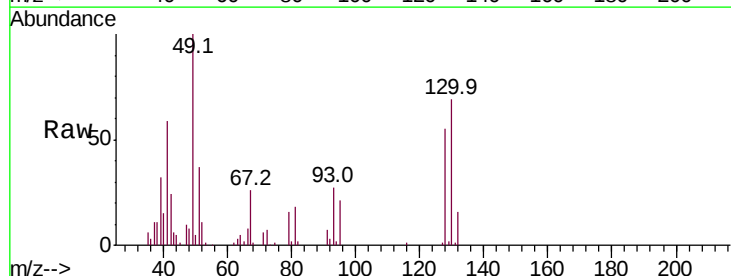
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



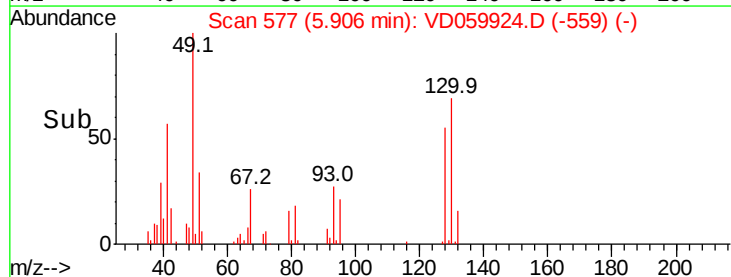
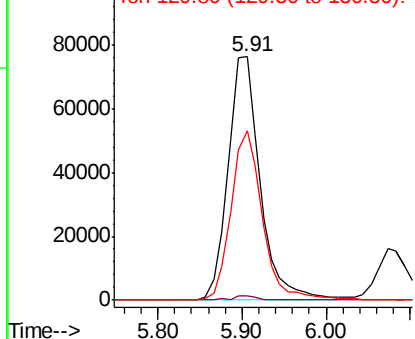
#28

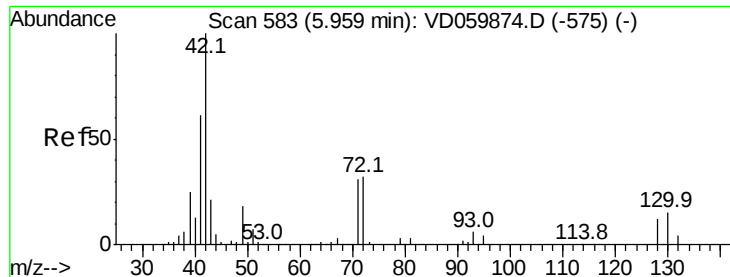
Bromochloromethane
 Concen: 20.710 ug/l
 RT: 5.91 min Scan# 577
 Delta R.T. -0.02 min
 Lab File: VD059924.D
 Acq: 30 Aug 2018 13:32

Tgt Ion	49	Resp	202703
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.2
130	69.4	50.6	75.8



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





#29

Tetrahydrofuran

Concen: 95.701 ug/l

RT: 5.94 min Scan# 580

Delta R.T. -0.02 min

Lab File: VD059924.D

Acq: 30 Aug 2018 13:32

Instrument :

MSVOA_D

ClientSampleId :

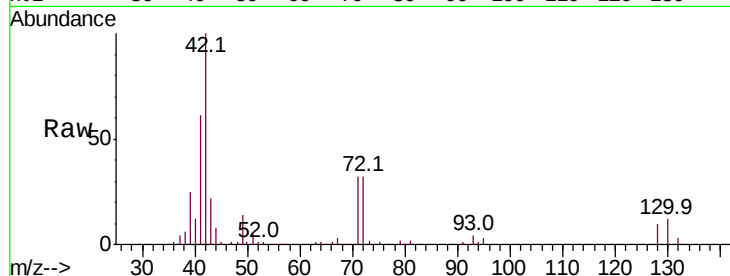
Tot Ion: 42 Resp: 242410

Ion Ratio Lower Upper

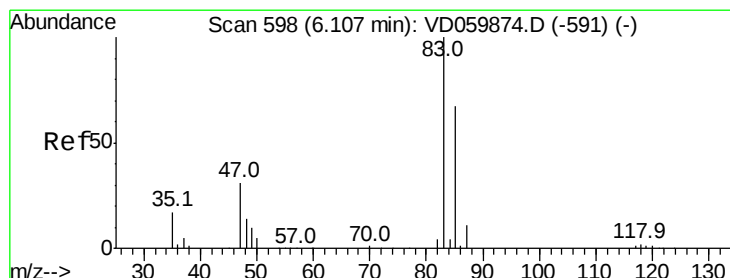
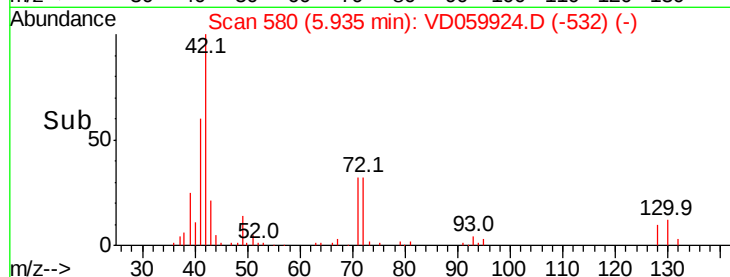
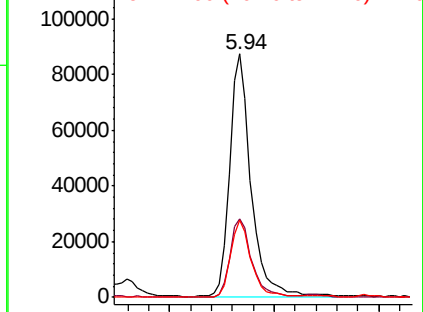
42 100

72 32.8 25.7 38.5

71 31.2 25.3 37.9



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



#30

Chloroform

Concen: 19.242 ug/l

RT: 6.08 min Scan# 595

Delta R.T. -0.02 min

Lab File: VD059924.D

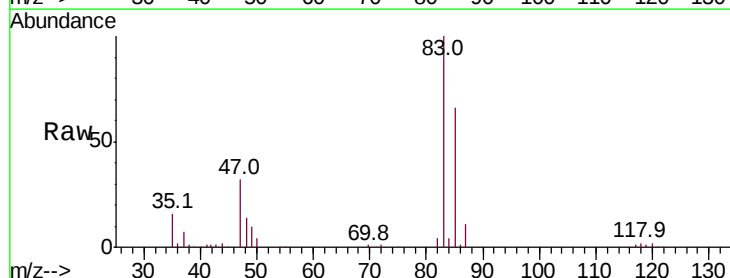
Acq: 30 Aug 2018 13:32

Tgt Ion: 83 Resp: 399361

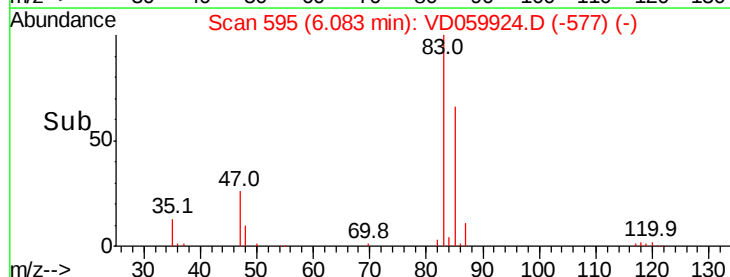
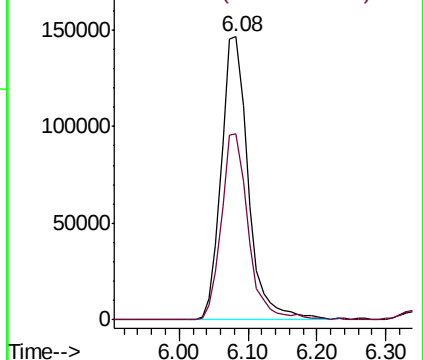
Ion Ratio Lower Upper

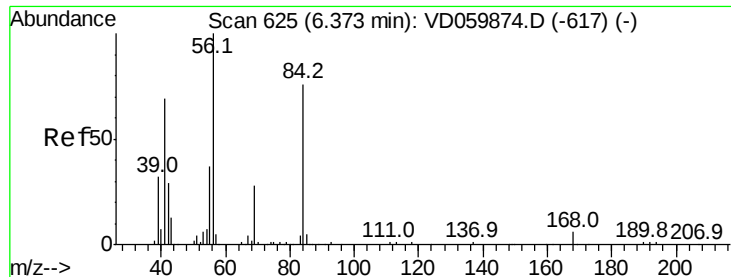
83 100

85 65.6 53.5 80.3



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

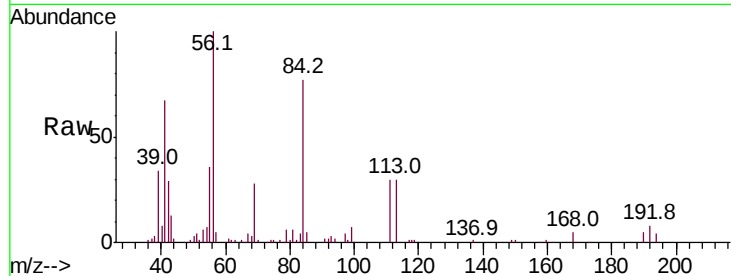




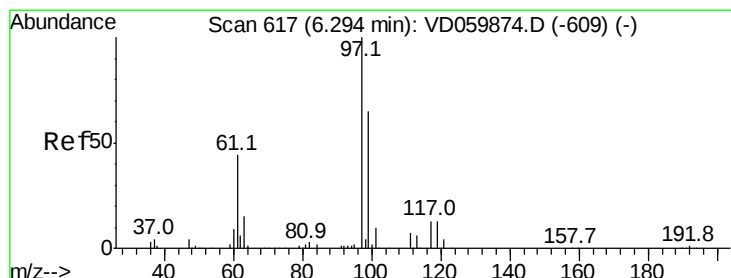
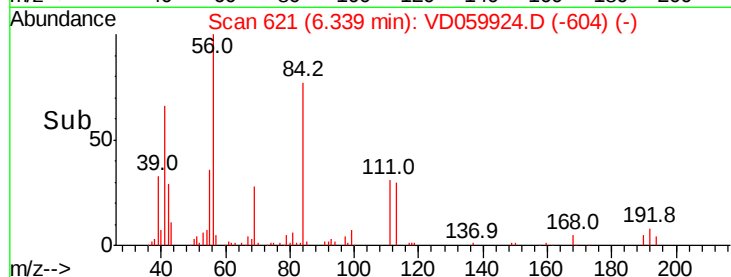
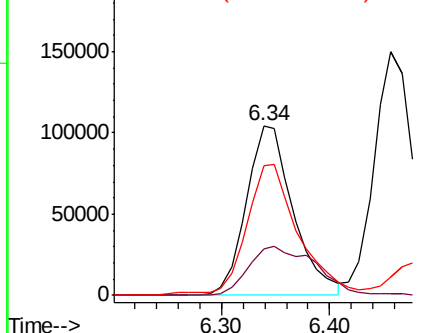
#31
Cvclohexane
Concen: 16.770 ug/l
RT: 6.34 min Scan# 621
Delta R.T. -0.03 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 314852
Ion Ratio Lower Upper
56 100
69 27.7 22.4 33.6
84 76.6 62.1 93.1

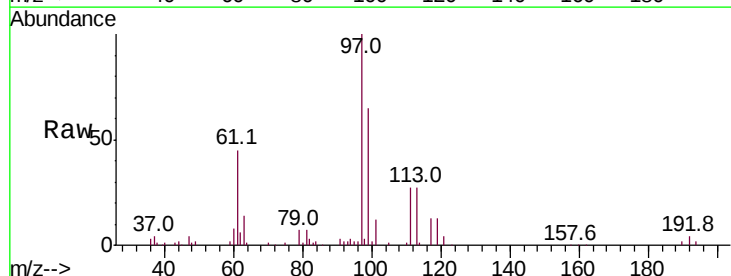


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

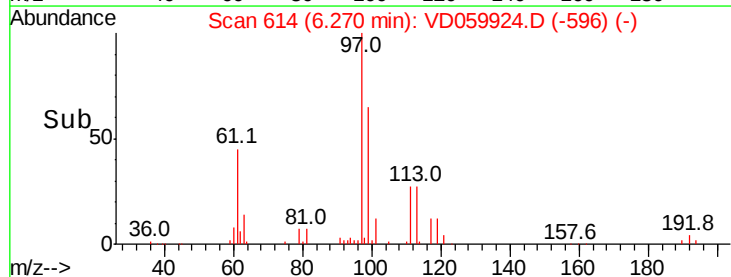
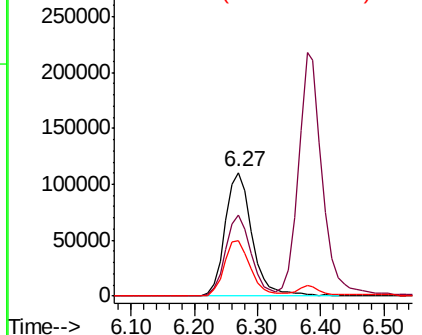


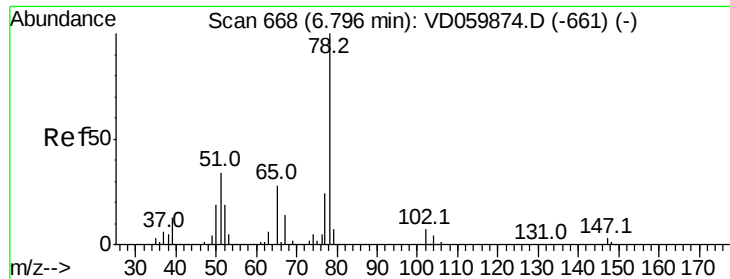
#32
1,1,1-Trichloroethane
Concen: 18.463 ug/l
RT: 6.27 min Scan# 614
Delta R.T. -0.02 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

Tgt Ion: 97 Resp: 325223
Ion Ratio Lower Upper
97 100
99 65.3 51.7 77.5
61 44.7 35.4 53.2



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





#33

1,2-Dichloroethane-d4

Concen: 18.463 ug/l

RT: 6.76 min Scan# 664

Delta R.T. -0.03 min

Lab File: VD059924.D

Acq: 30 Aug 2018 13:32

Instrument :

MSVOA_D

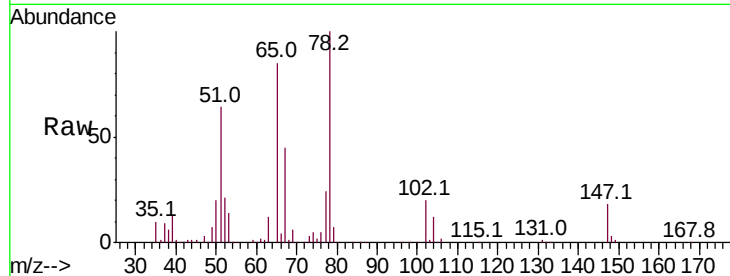
ClientSampleId :

Tot Ion: 65 Resp: 476167

Ion Ratio Lower Upper

65 100

67 53.2 0.0 103.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.76

200000

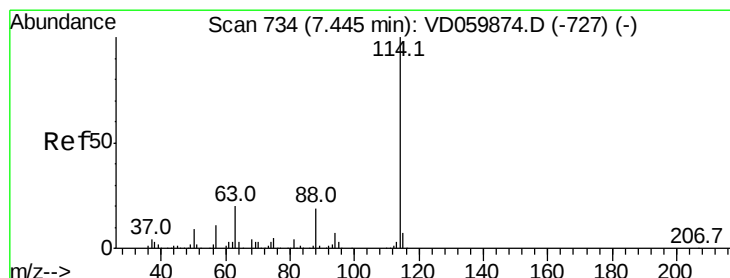
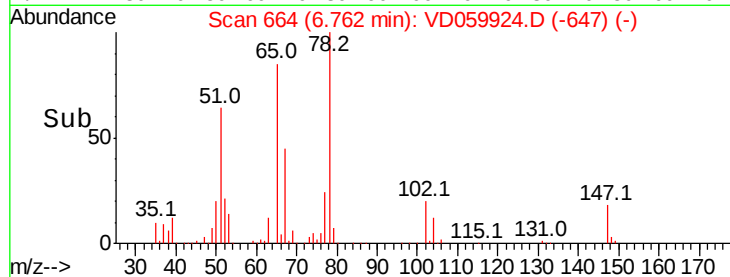
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.42 min Scan# 731

Delta R.T. -0.02 min

Lab File: VD059924.D

Acq: 30 Aug 2018 13:32

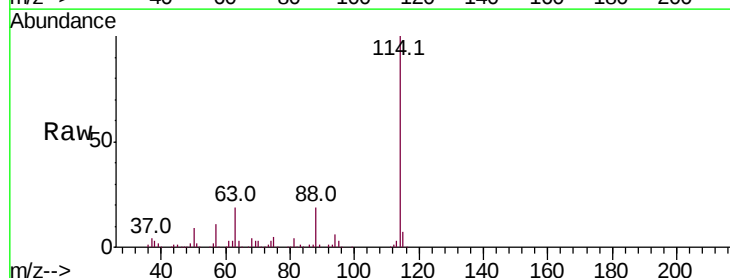
Tgt Ion:114 Resp: 1590621

Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.4

88 19.0 0.0 37.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

800000

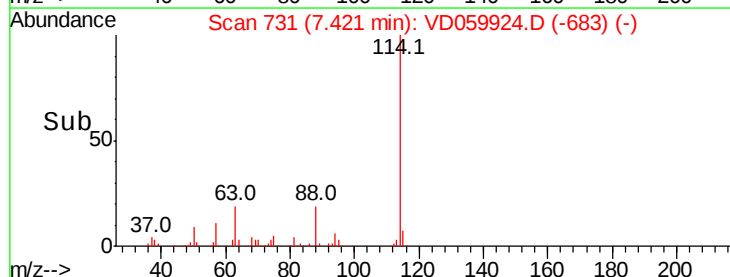
600000

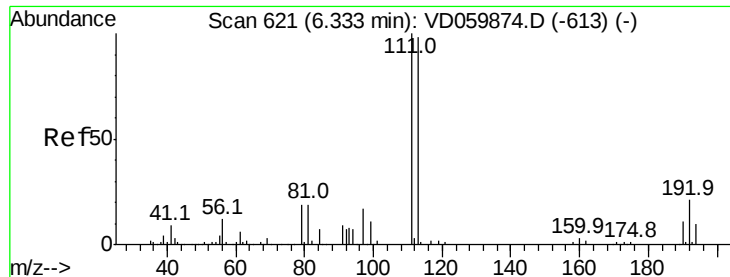
400000

200000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.30 min Scan# 617

Delta R.T. -0.03 min

Lab File: VD059924.D

Acq: 30 Aug 2018 13:32

Instrument :
MSVOA_D
ClientSampleId :

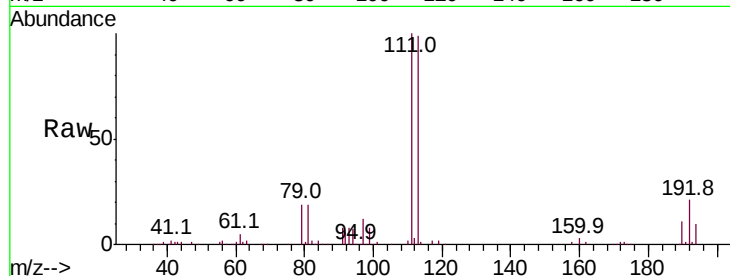
Tot Ion:113 Resp: 639556

Ion Ratio Lower Upper

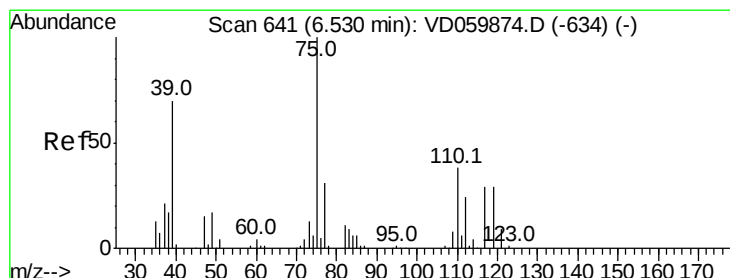
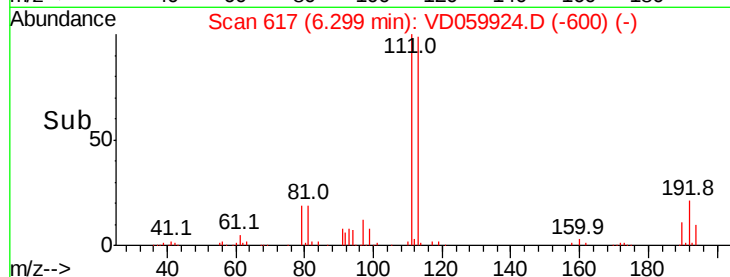
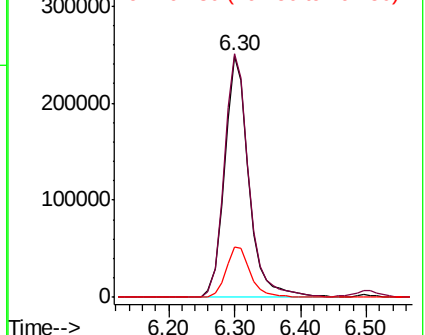
113 100

111 100.8 81.4 122.2

192 20.7 17.0 25.6



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



#36

1,1-Dichloropropene

Concen: 18.793 ug/l

RT: 6.50 min Scan# 637

Delta R.T. -0.03 min

Lab File: VD059924.D

Acq: 30 Aug 2018 13:32

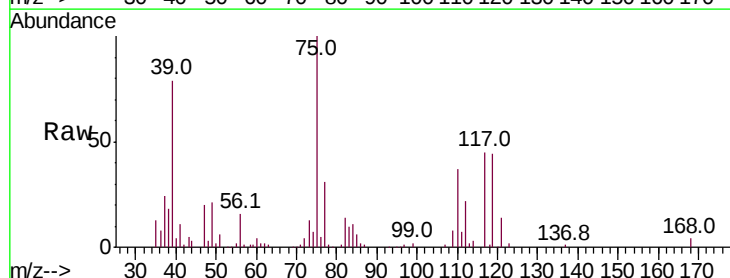
Tgt Ion: 75 Resp: 270977

Ion Ratio Lower Upper

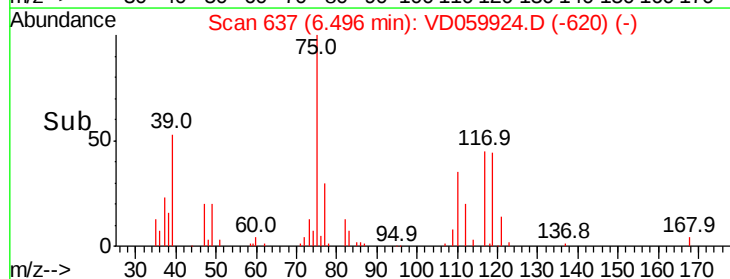
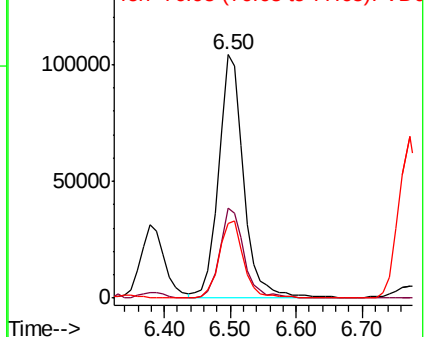
75 100

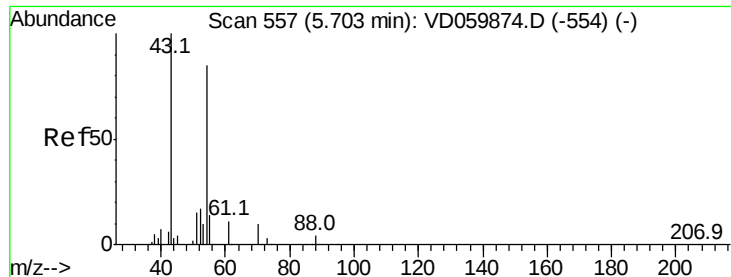
110 36.8 18.6 56.0

77 30.9 25.1 37.7



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

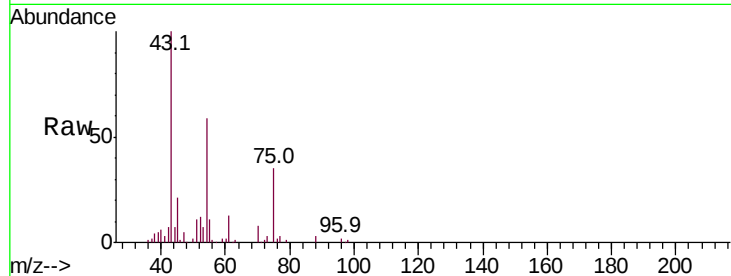




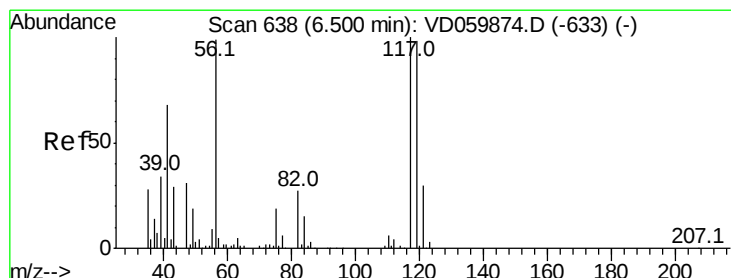
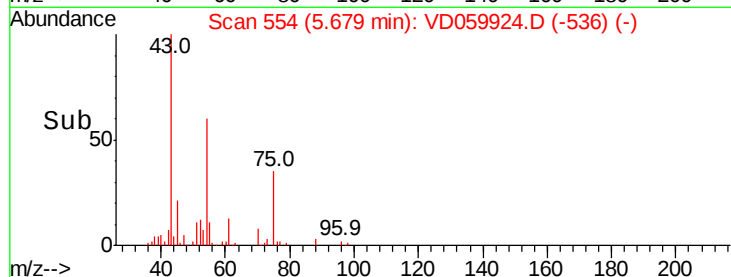
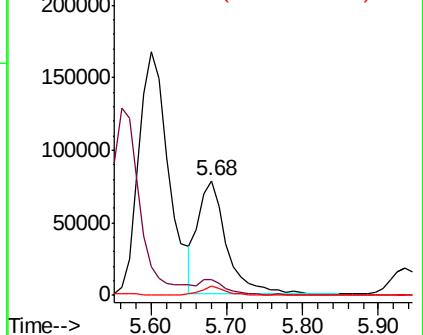
#37
Ethyl Acetate
Concen: 18.176 ug/l
RT: 5.68 min Scan# 554
Delta R.T. -0.02 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 203940
Ion Ratio Lower Upper
43 100
61 13.4 11.0 16.6
70 8.2 5.7 8.5

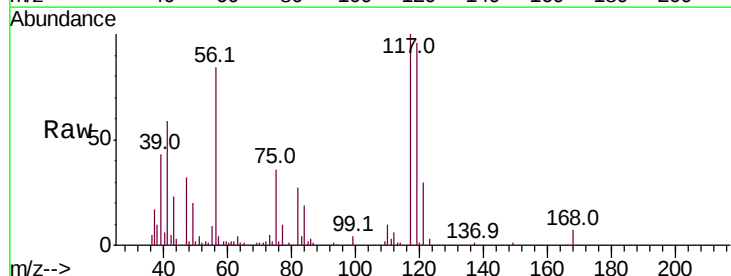


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

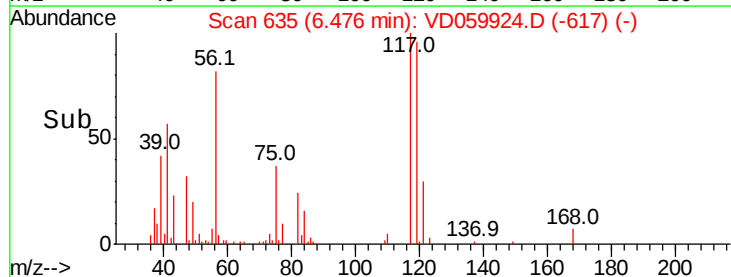
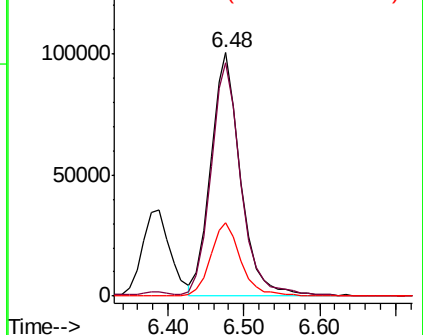


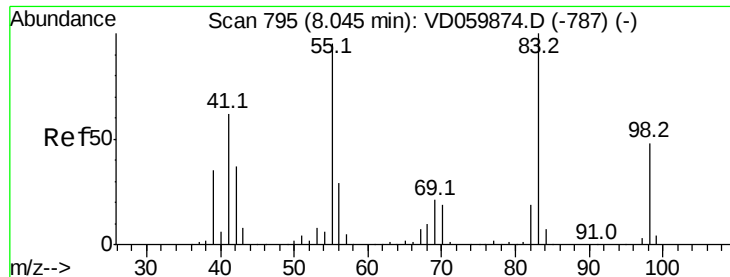
#38
Carbon Tetrachloride
Concen: 19.024 ug/l
RT: 6.48 min Scan# 635
Delta R.T. -0.02 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

Tgt Ion: 117 Resp: 276821
Ion Ratio Lower Upper
117 100
119 95.7 77.2 115.8
121 30.0 24.0 36.0



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

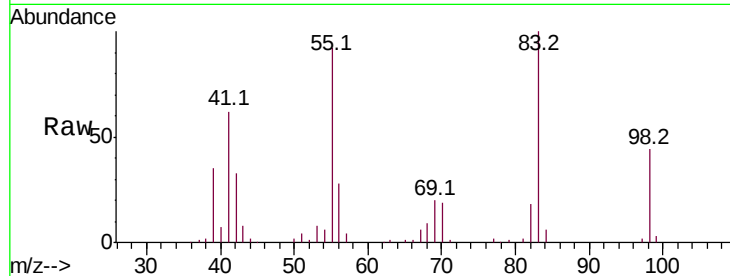




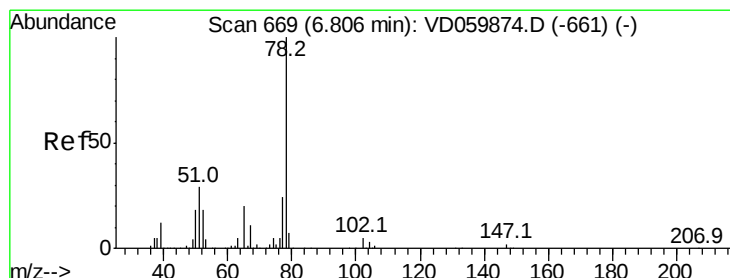
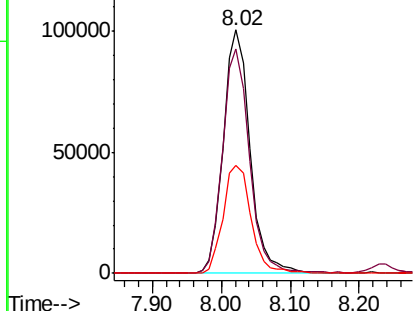
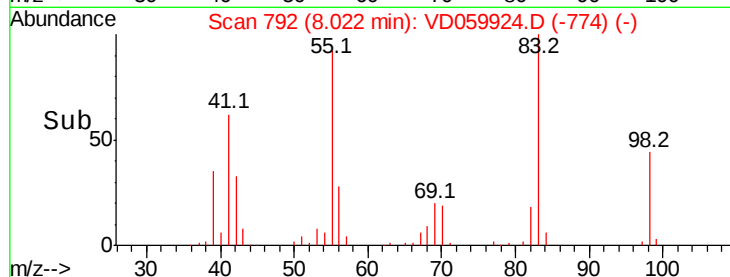
#39
Methvlcvclohexane
Concen: 17.380 ug/l
RT: 8.02 min Scan# 792
Delta R.T. -0.02 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 270762
Ion Ratio Lower Upper
83 100
55 92.2 75.8 113.6
98 44.2 38.3 57.5

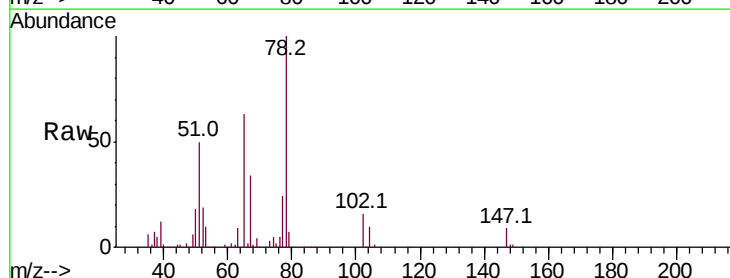


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

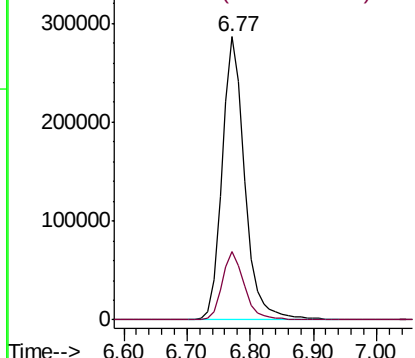
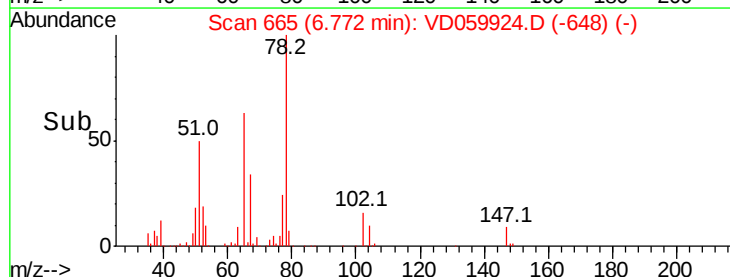


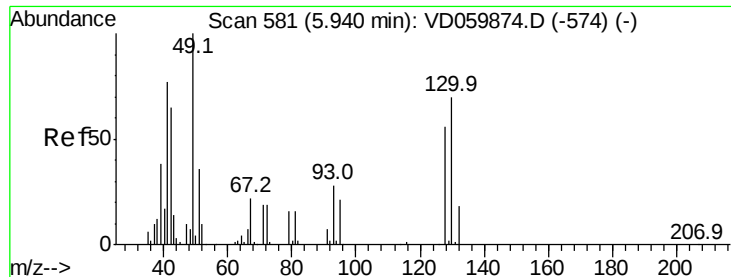
#40
Benzene
Concen: 19.104 ug/l
RT: 6.77 min Scan# 665
Delta R.T. -0.03 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

Tgt Ion: 78 Resp: 716265
Ion Ratio Lower Upper
78 100
77 24.1 19.0 28.4



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





#41

Methacrylonitrile

Concen: 43.205 ug/l

RT: 5.93 min Scan# 579

Delta R.T. -0.01 min

Lab File: VD059924.D

Acq: 30 Aug 2018 13:32

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 244198

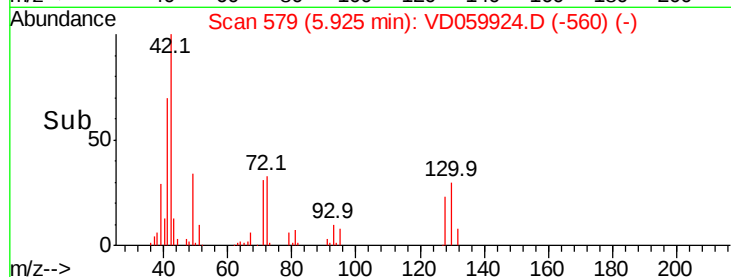
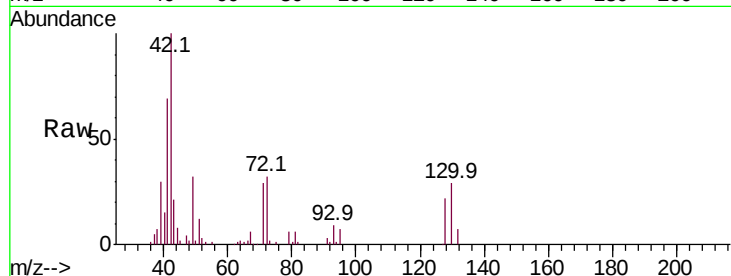
Ion Ratio Lower Upper

41 100

39 43.2 39.4 59.2

67 8.4 22.2 33.2#

52 4.2 10.1 15.1#

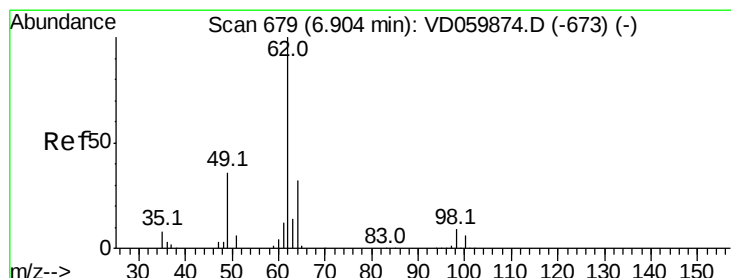
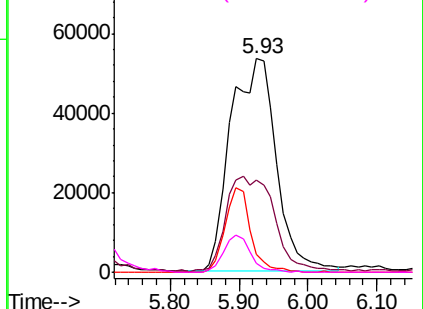


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 18.994 ug/l

RT: 6.88 min Scan# 676

Delta R.T. -0.02 min

Lab File: VD059924.D

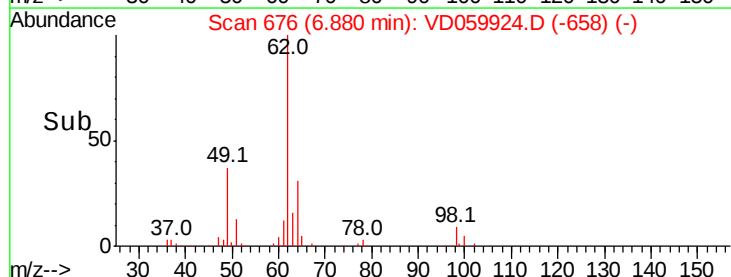
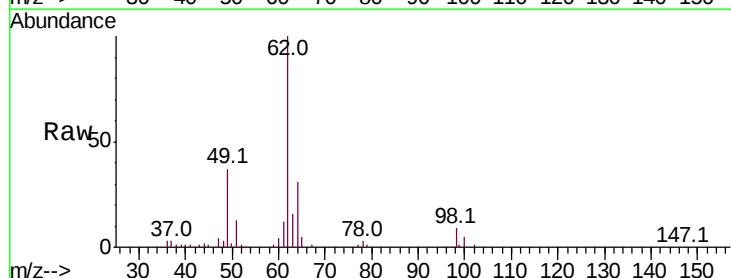
Acq: 30 Aug 2018 13:32

Tgt Ion: 62 Resp: 228616

Ion Ratio Lower Upper

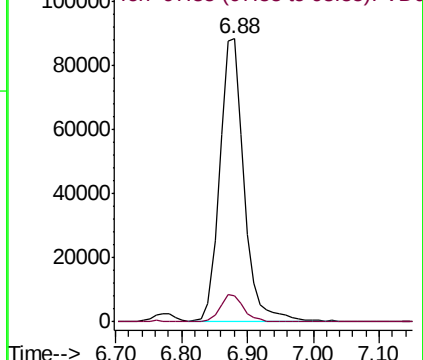
62 100

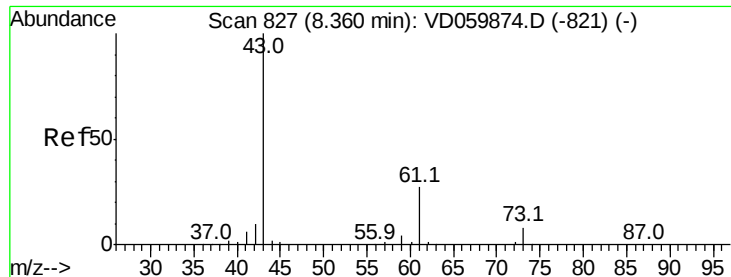
98 9.4 0.0 18.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



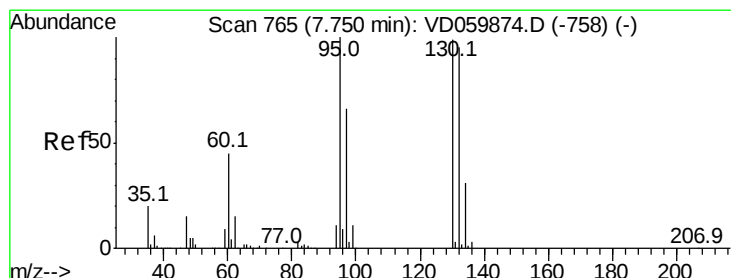
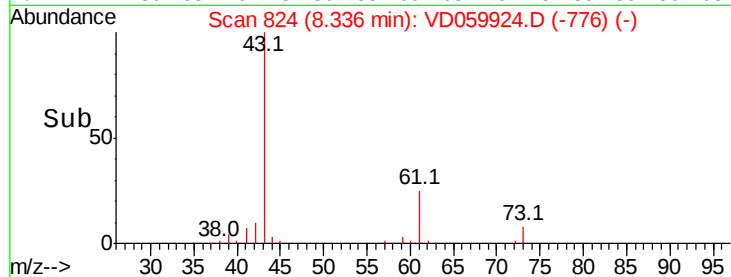
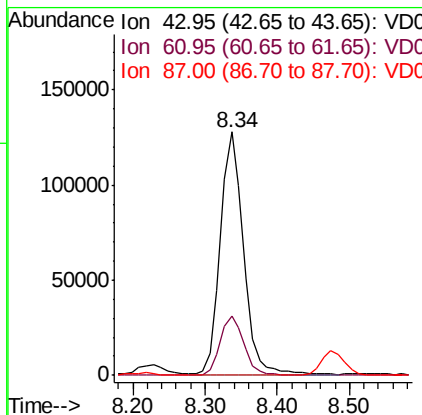
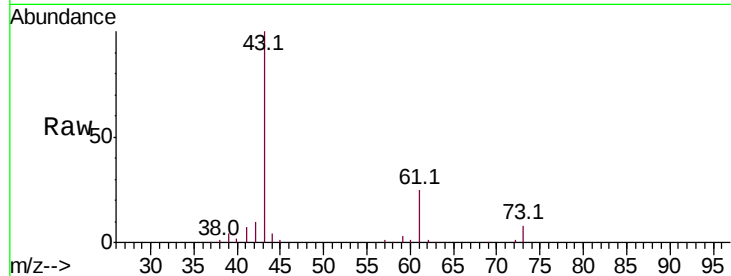


#43

Isopropyl Acetate
 Concen: 19.383 ug/l
 RT: 8.34 min Scan# 824
 Delta R.T. -0.02 min
 Lab File: VD059924.D
 Acq: 30 Aug 2018 13:32

Instrument :
 MSVOA_D
 ClientSampleId :

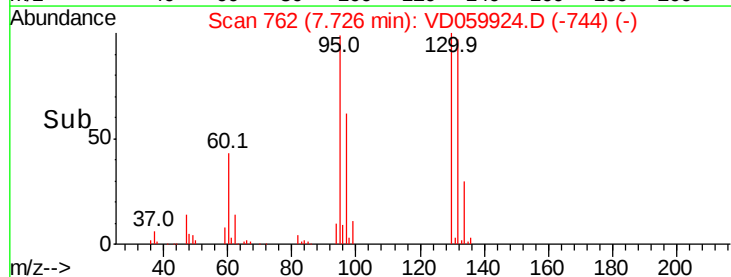
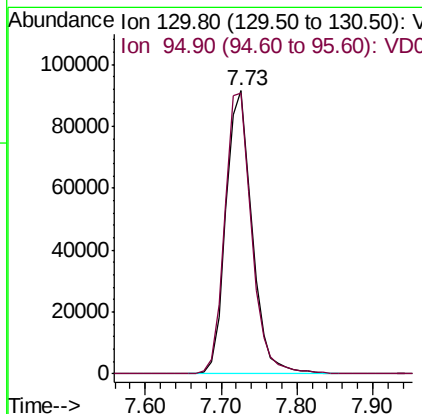
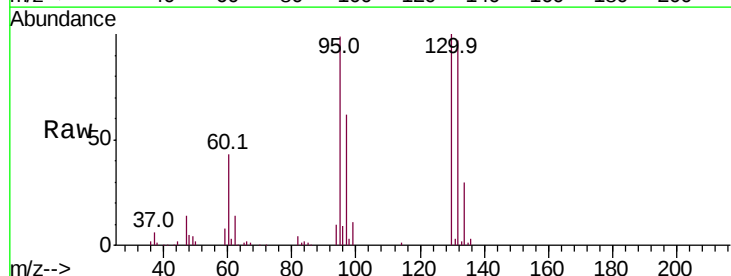
Tot Ion: 43 Resp: 282939
 Ion Ratio Lower Upper
 43 100
 61 24.5 21.4 32.2
 87 0.0 0.2 0.4#

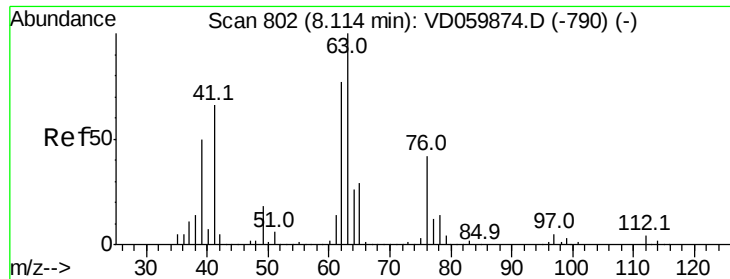


#44

Trichloroethene
 Concen: 19.796 ug/l
 RT: 7.73 min Scan# 762
 Delta R.T. -0.02 min
 Lab File: VD059924.D
 Acq: 30 Aug 2018 13:32

Tgt Ion:130 Resp: 218532
 Ion Ratio Lower Upper
 130 100
 95 99.1 0.0 202.0





#45

1,2-Dichloropropane

Concen: 19.157 ug/l

RT: 8.09 min Scan# 799

Delta R.T. -0.02 min

Lab File: VD059924.D

Acq: 30 Aug 2018 13:32

Instrument :

MSVOA_D

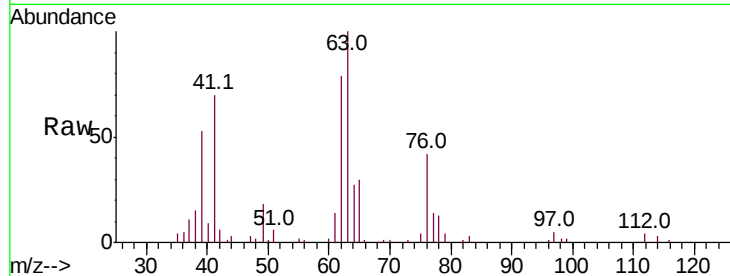
ClientSampled :

Tot Ion: 63 Resp: 200762

Ion Ratio Lower Upper

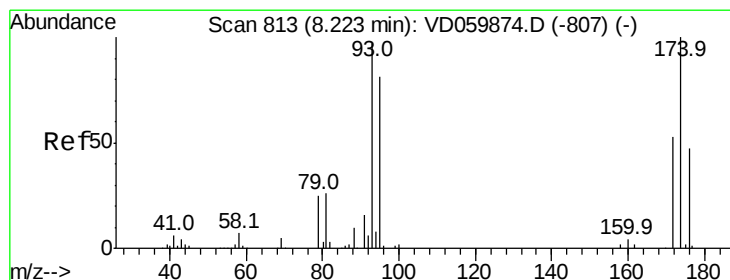
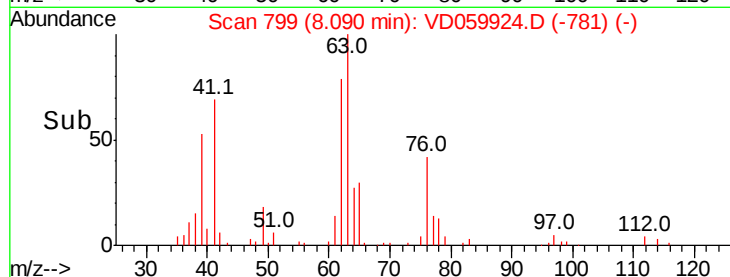
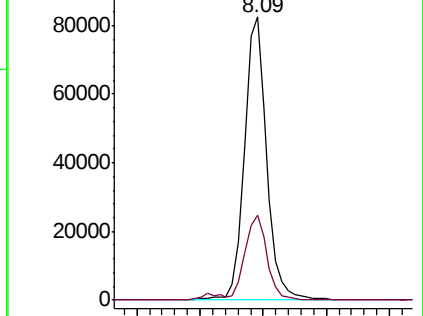
63 100

65 30.2 23.5 35.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 19.305 ug/l

RT: 8.20 min Scan# 810

Delta R.T. -0.02 min

Lab File: VD059924.D

Acq: 30 Aug 2018 13:32

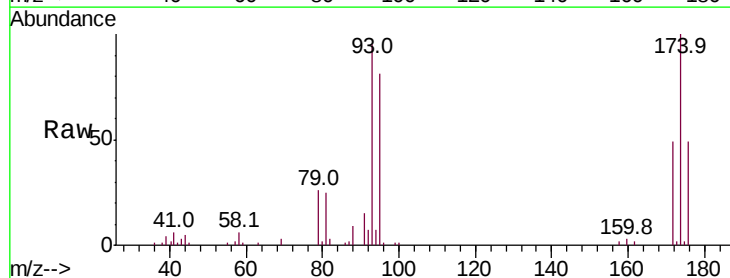
Tgt Ion: 93 Resp: 130087

Ion Ratio Lower Upper

93 100

95 86.2 66.6 100.0

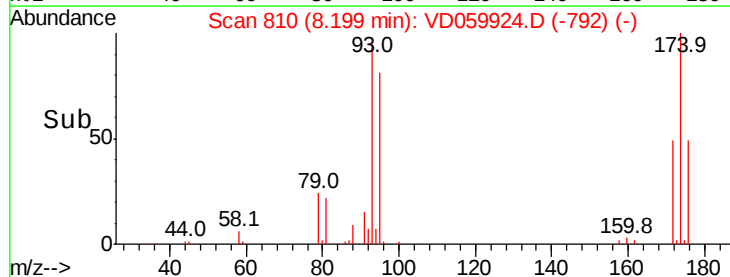
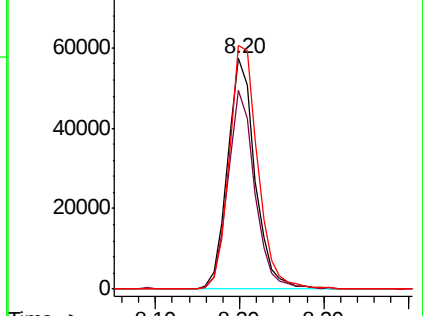
174 105.7 82.4 123.6

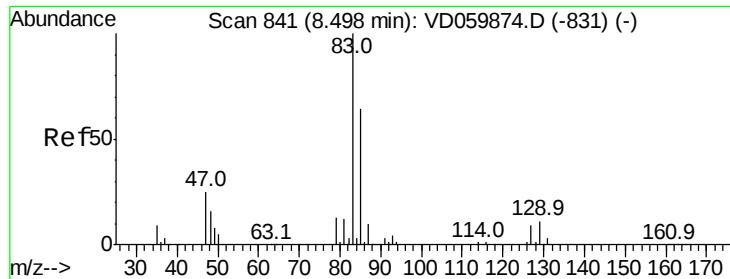


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 19.462 ug/l

RT: 8.47 min Scan# 838

Delta R.T. -0.02 min

Lab File: VD059924.D

Acq: 30 Aug 2018 13:32

Instrument :
MSVOA_D
ClientSampleId :

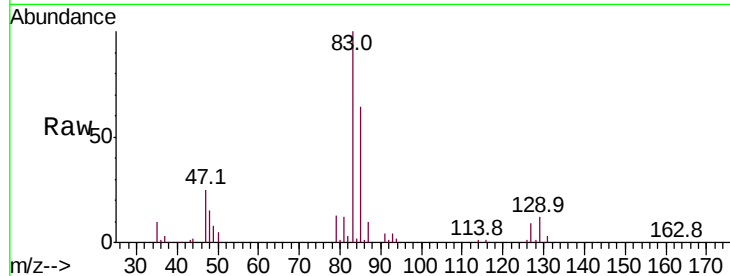
Tot Ion: 83 Resp: 296882

Ion Ratio Lower Upper

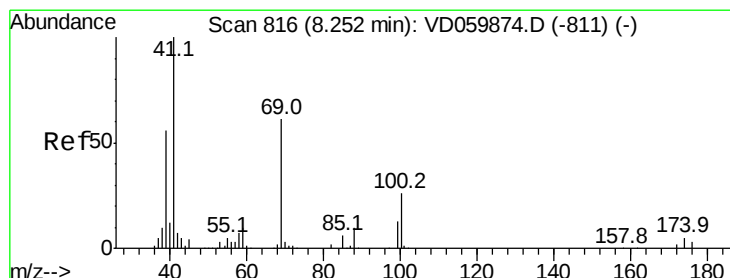
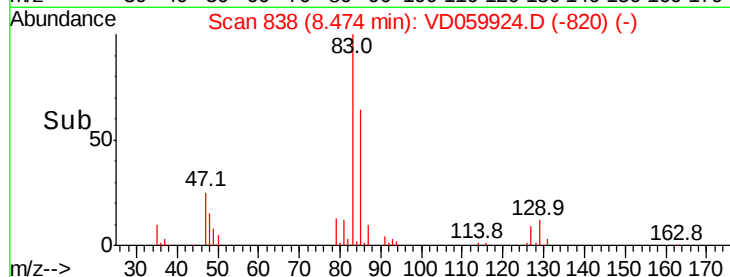
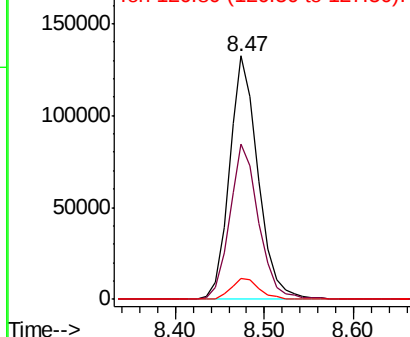
83 100

85 63.9 51.3 76.9

127 8.7 7.0 10.4



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



#48

Methyl methacrylate

Concen: 18.753 ug/l

RT: 8.23 min Scan# 813

Delta R.T. -0.02 min

Lab File: VD059924.D

Acq: 30 Aug 2018 13:32

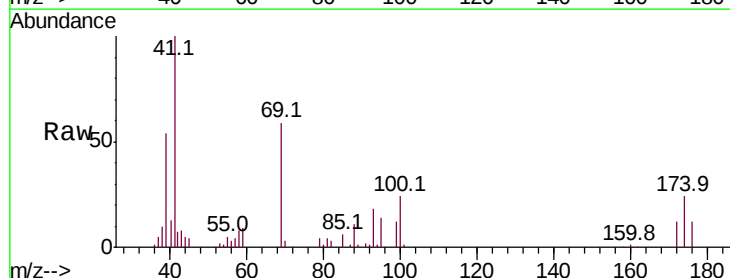
Tgt Ion: 41 Resp: 159575

Ion Ratio Lower Upper

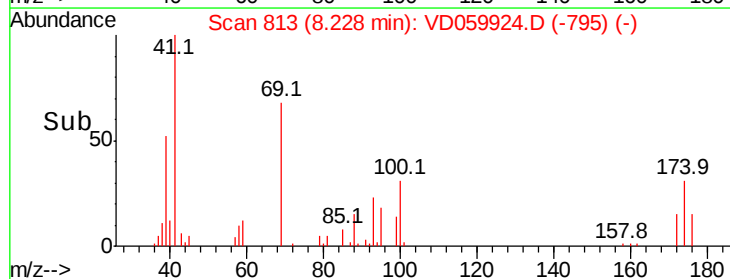
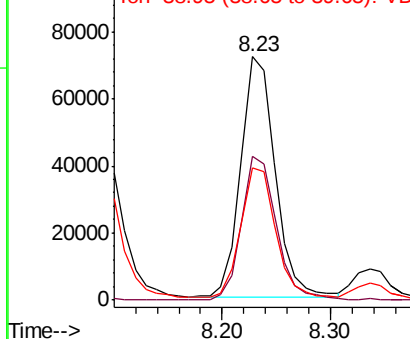
41 100

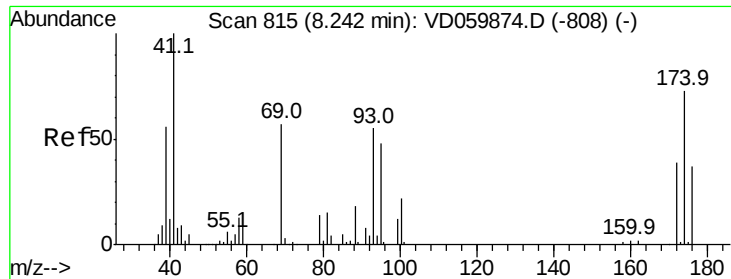
69 58.8 48.0 72.0

39 54.4 45.4 68.0



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

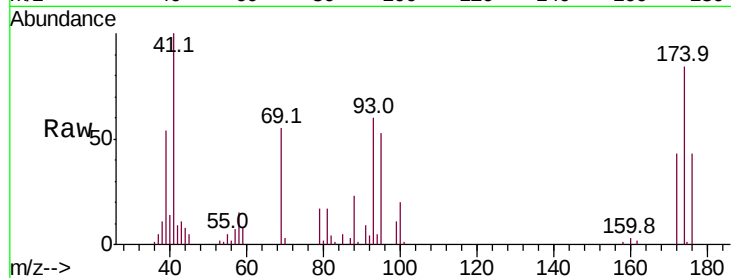




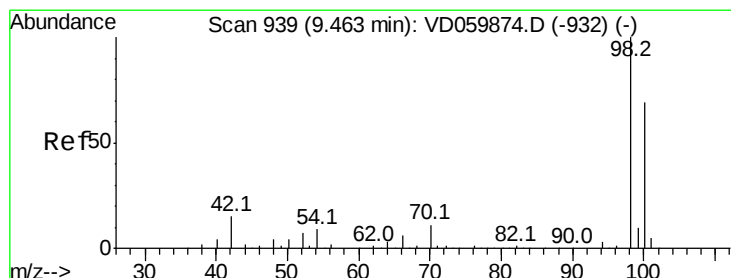
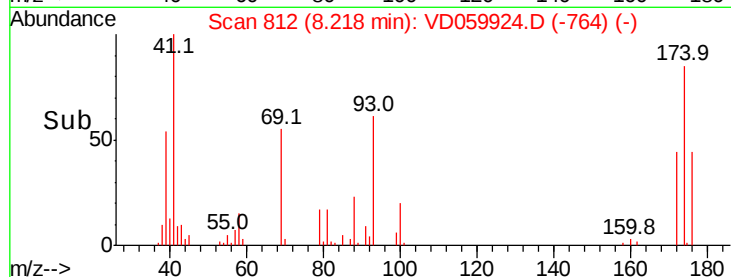
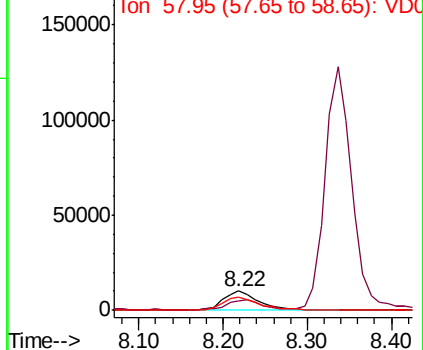
#49
1,4-Dioxane
Concen: 399.451 ug/l
RT: 8.22 min Scan# 812
Delta R.T. -0.02 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 88 Resp: 30346
Ion Ratio Lower Upper
88 100
43 47.9 45.0 67.6
58 64.9 55.8 83.8

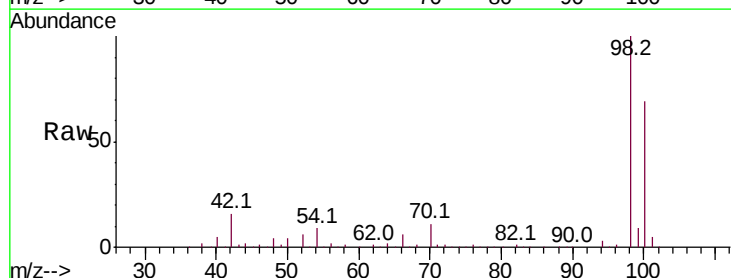


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

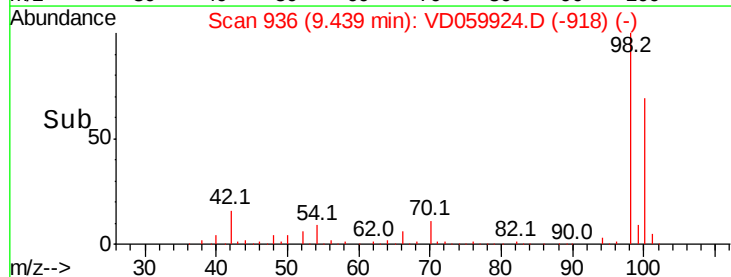
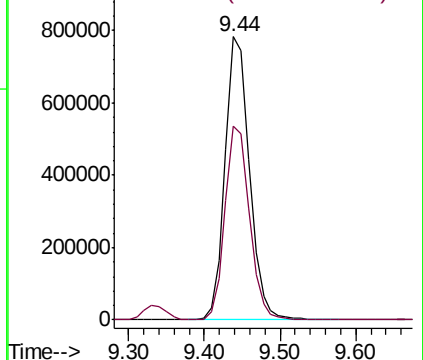


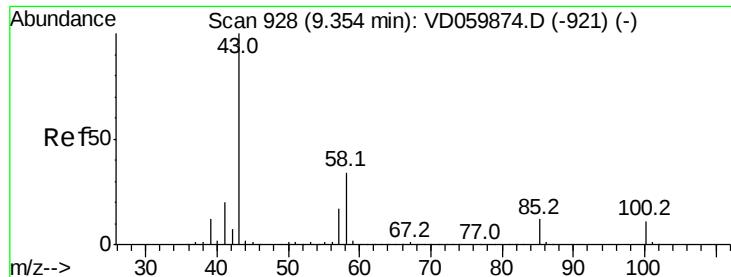
#50
Toluene-d8
Concen: 399.451 ug/l
RT: 9.44 min Scan# 936
Delta R.T. -0.02 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

Tgt Ion: 98 Resp: 1746924
Ion Ratio Lower Upper
98 100
100 68.5 55.8 83.6



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: 87.965 ug/l

RT: 9.33 min Scan# 925

Delta R.T. -0.02 min

Lab File: VD059924.D

Acq: 30 Aug 2018 13:32

Instrument :

MSVOA_D

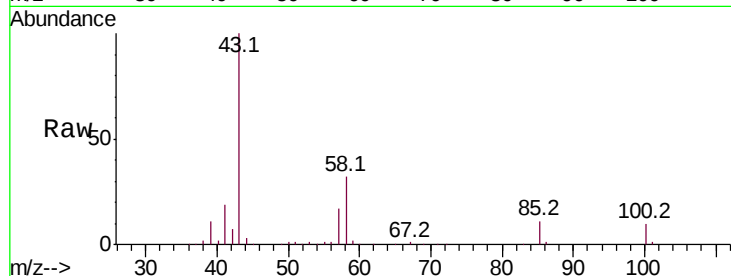
ClientSampled :

Tot Ion: 43 Resp: 957288

Ion Ratio Lower Upper

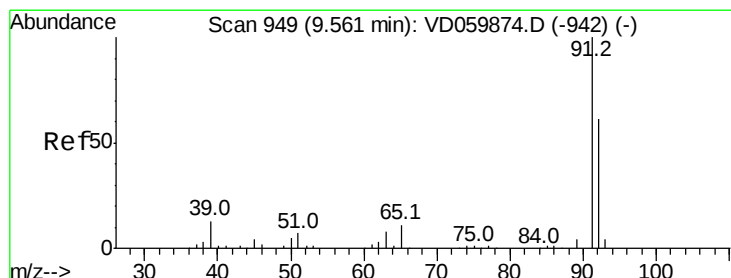
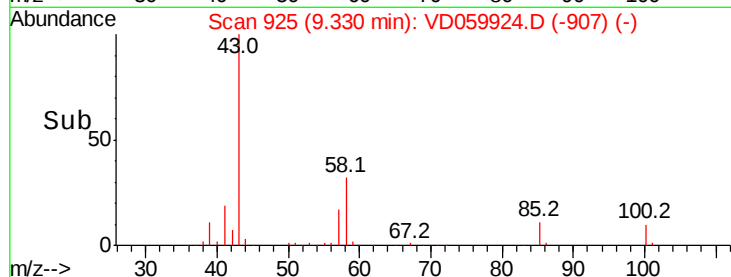
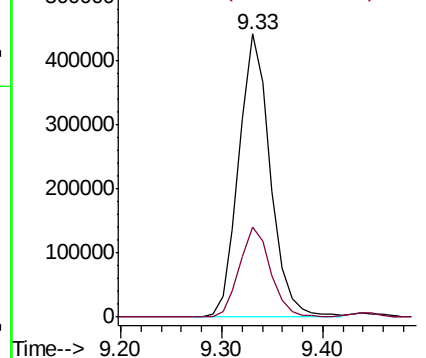
43 100

58 31.6 27.0 40.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 19.582 ug/l

RT: 9.54 min Scan# 946

Delta R.T. -0.02 min

Lab File: VD059924.D

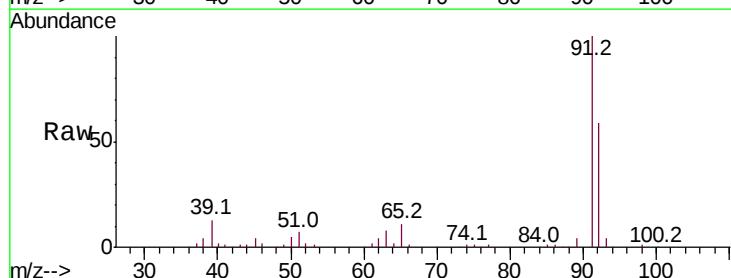
Acq: 30 Aug 2018 13:32

Tgt Ion: 92 Resp: 470770

Ion Ratio Lower Upper

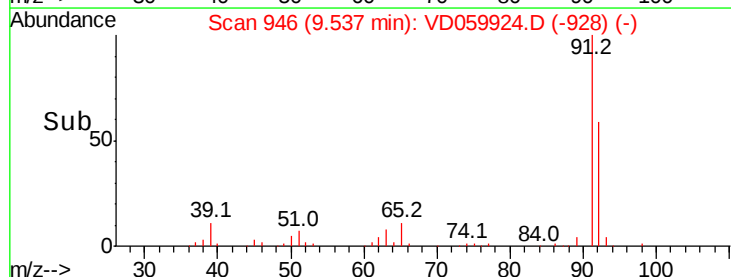
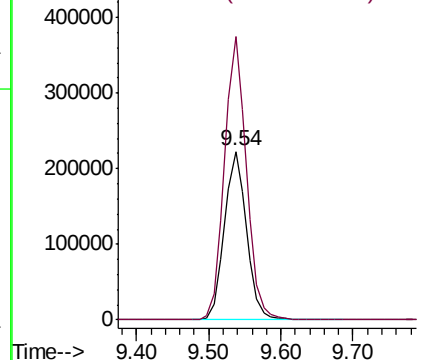
92 100

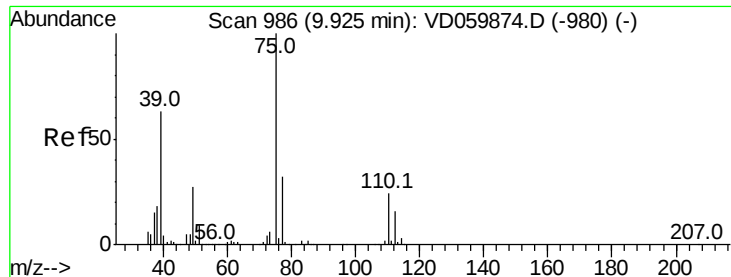
91 168.3 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

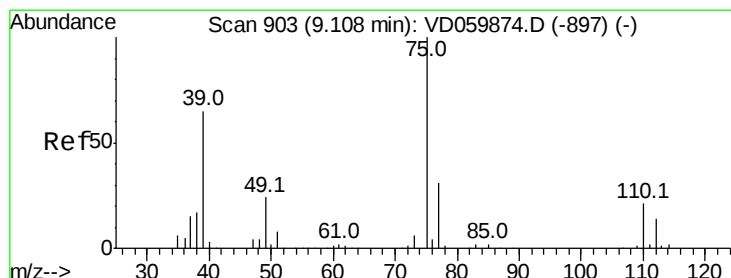
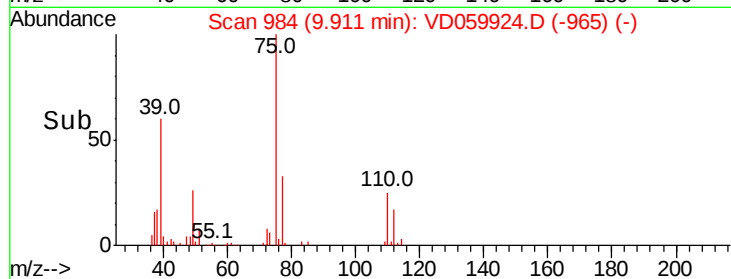
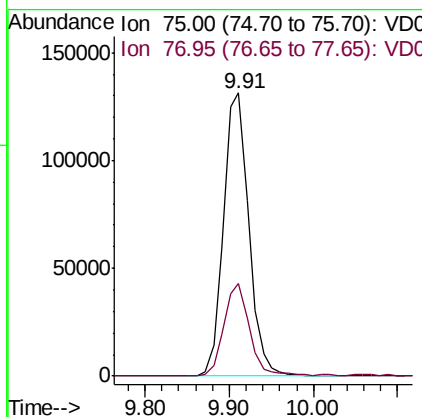
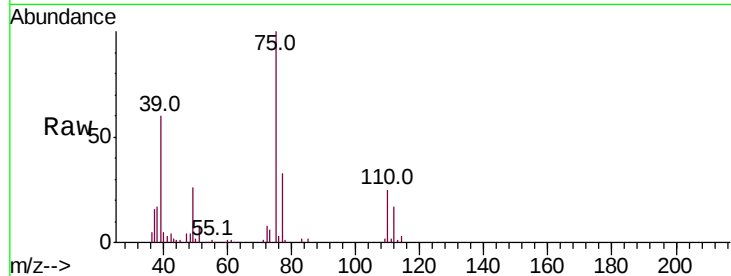




#53
 t-1,3-Dichloropropene
 Concen: 19.346 ug/l
 RT: 9.91 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: VD059924.D
 Acq: 30 Aug 2018 13:32

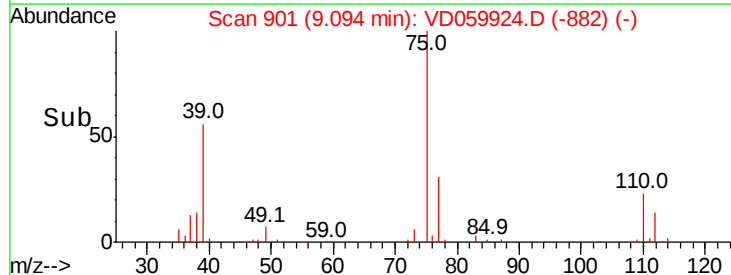
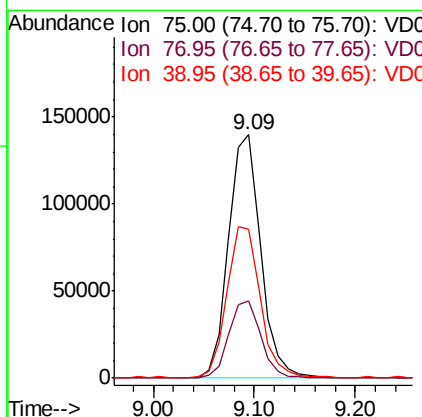
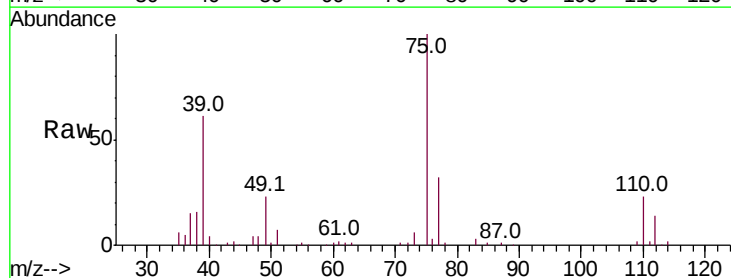
Instrument :
 MSVOA_D
 ClientSampled :

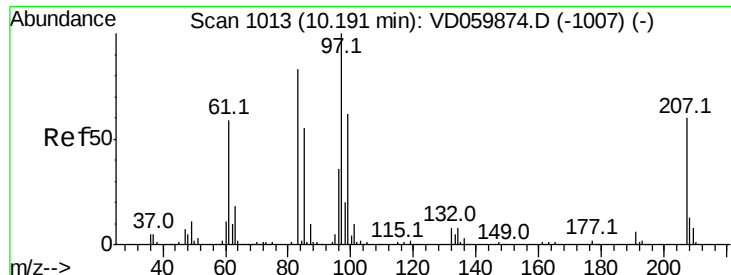
Tot Ion: 75 Resp: 272957
 Ion Ratio Lower Upper
 75 100
 77 32.8 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 18.893 ug/l
 RT: 9.09 min Scan# 901
 Delta R.T. -0.01 min
 Lab File: VD059924.D
 Acq: 30 Aug 2018 13:32

Tgt Ion: 75 Resp: 309064
 Ion Ratio Lower Upper
 75 100
 77 31.7 24.8 37.2
 39 61.1 52.1 78.1

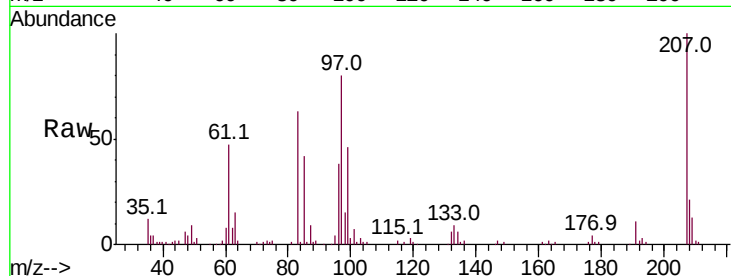




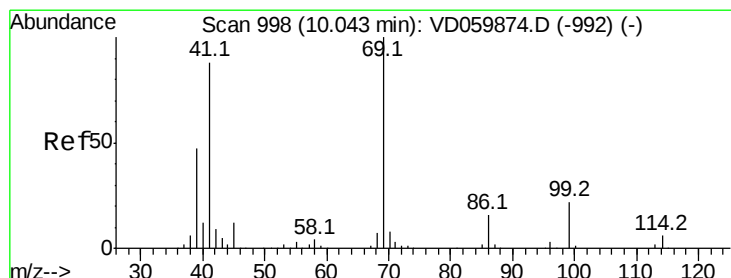
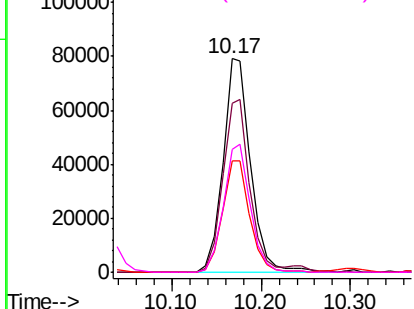
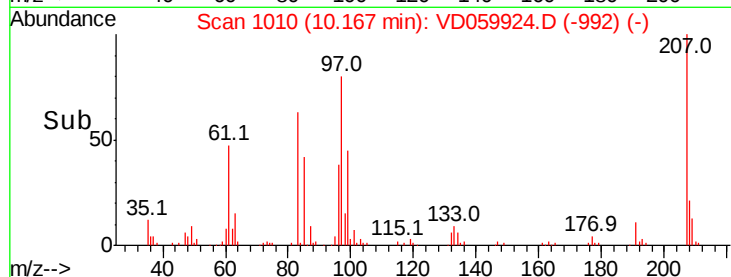
#55
 1,1,2-Trichloroethane
 Concen: 19.551 ug/l
 RT: 10.17 min Scan# 1010
 Delta R.T. -0.02 min
 Lab File: VD059924.D
 Acq: 30 Aug 2018 13:32

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	171815
Ion	Ratio	Lower	Upper
97	100		
83	79.4	66.7	100.1
85	52.2	43.8	65.6
99	57.5	49.8	74.6

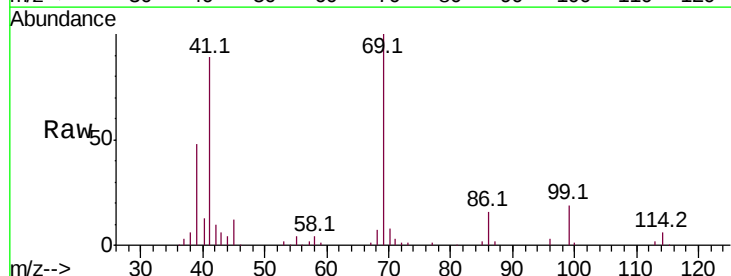


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

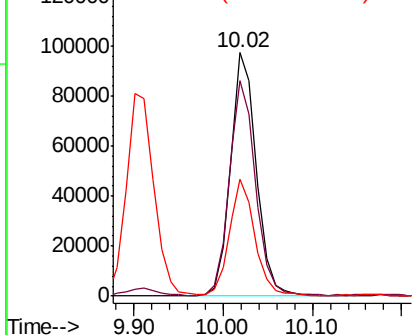
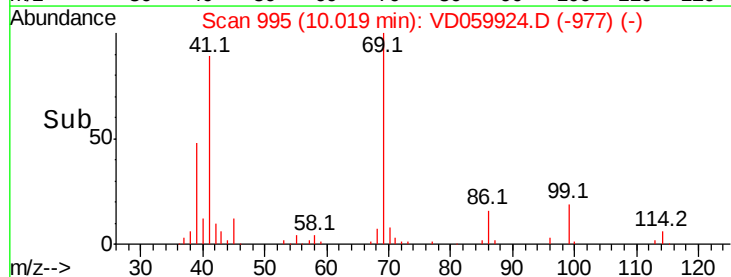


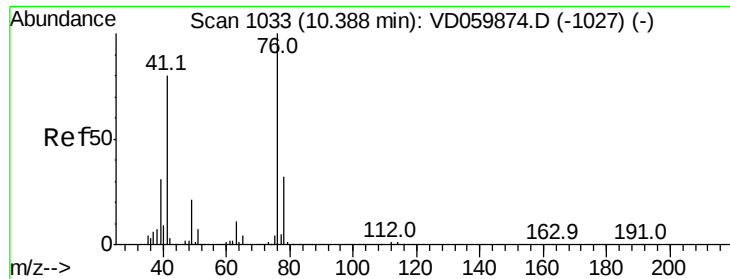
#56
 Ethyl methacrylate
 Concen: 19.547 ug/l
 RT: 10.02 min Scan# 995
 Delta R.T. -0.02 min
 Lab File: VD059924.D
 Acq: 30 Aug 2018 13:32

Tgt Ion:	69	Resp:	198252
Ion	Ratio	Lower	Upper
69	100		
41	88.6	71.0	106.4
39	48.2	38.5	57.7



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC

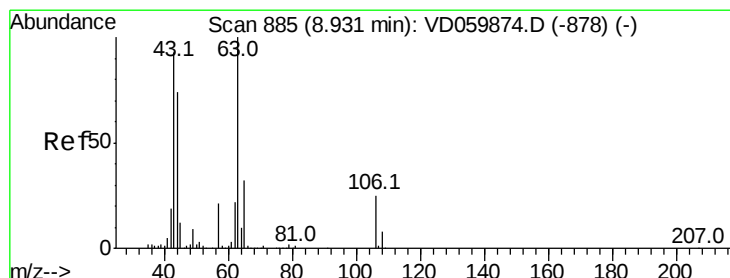
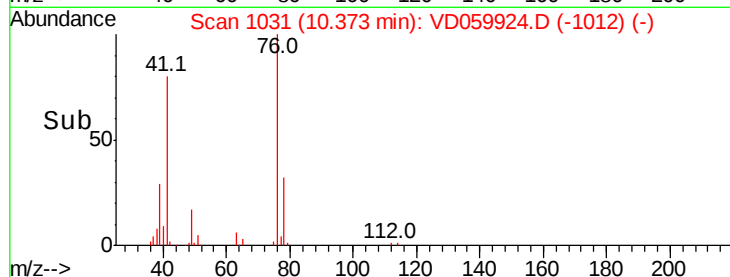
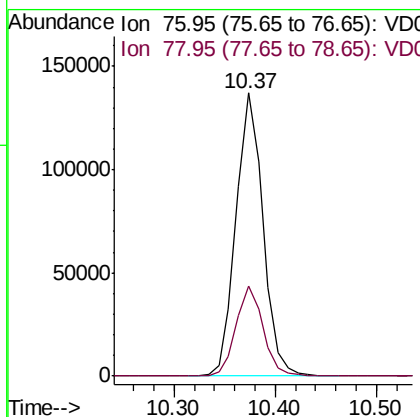
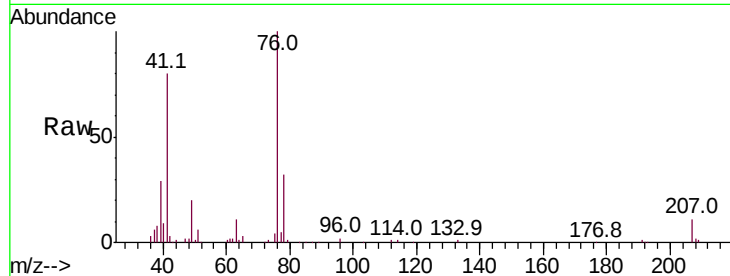




#57
 1,3-Dichloropropane
 Concen: 20.100 ug/l
 RT: 10.37 min Scan# 1031
 Delta R.T. -0.01 min
 Lab File: VD059924.D
 Acq: 30 Aug 2018 13:32

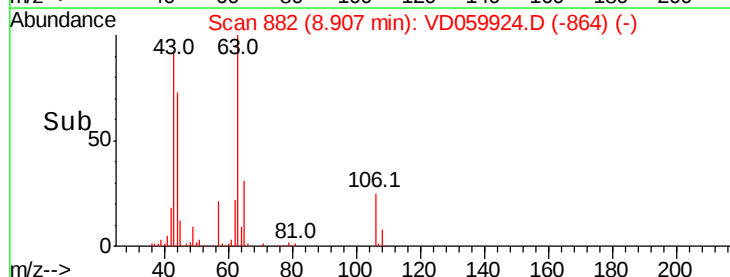
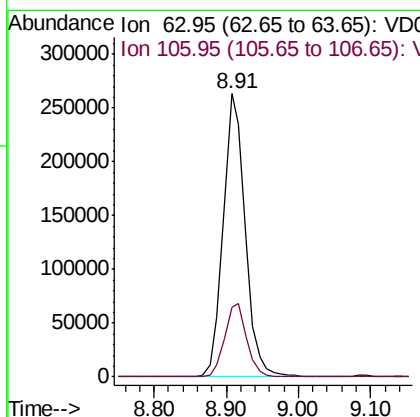
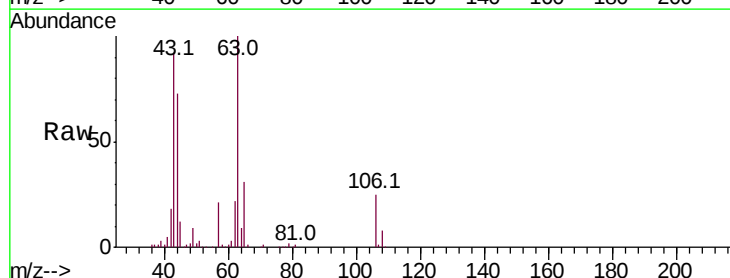
Instrument :
 MSVOA_D
 ClientSampled :

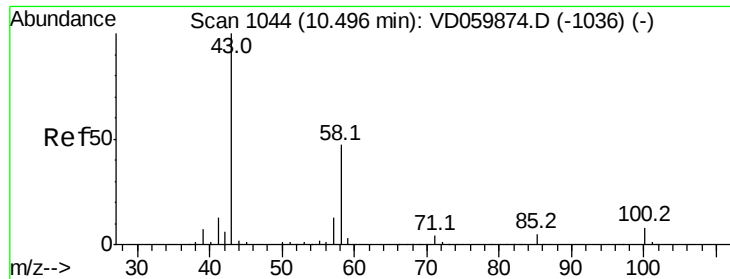
Tot Ion: 76 Resp: 255660
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 113.914 ug/l
 RT: 8.91 min Scan# 882
 Delta R.T. -0.02 min
 Lab File: VD059924.D
 Acq: 30 Aug 2018 13:32

Tgt Ion: 63 Resp: 554233
 Ion Ratio Lower Upper
 63 100
 106 24.7 20.1 30.1





#59

2-Hexanone

Concen: 88.956 ug/l

RT: 10.48 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VD059924.D

Acq: 30 Aug 2018 13:32

Instrument :

MSVOA_D

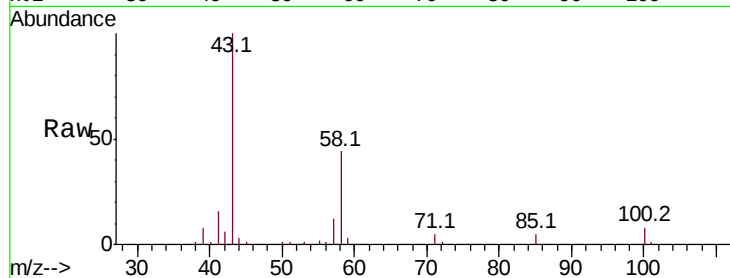
ClientSampleId :

Tot Ion: 43 Resp: 714028

Ion Ratio Lower Upper

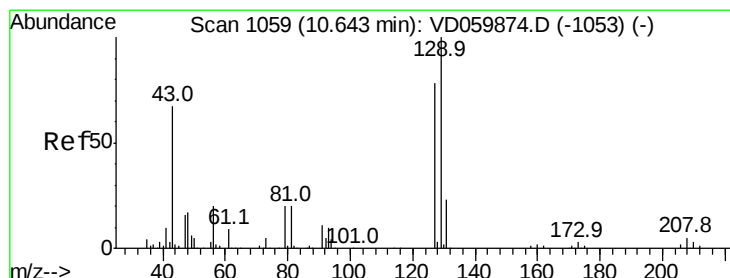
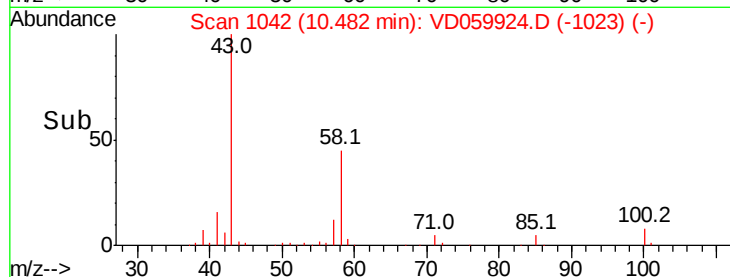
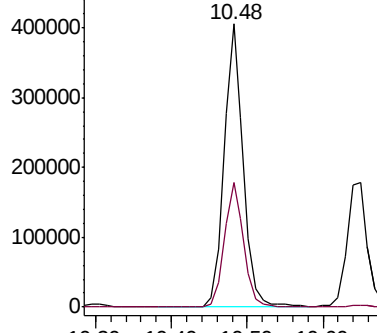
43 100

58 44.1 23.3 69.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 19.264 ug/l

RT: 10.63 min Scan# 1057

Delta R.T. -0.01 min

Lab File: VD059924.D

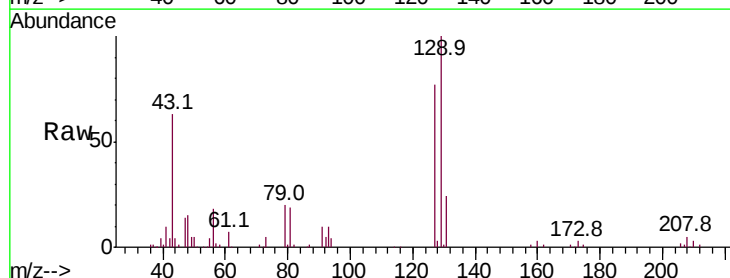
Acq: 30 Aug 2018 13:32

Tgt Ion:129 Resp: 212790

Ion Ratio Lower Upper

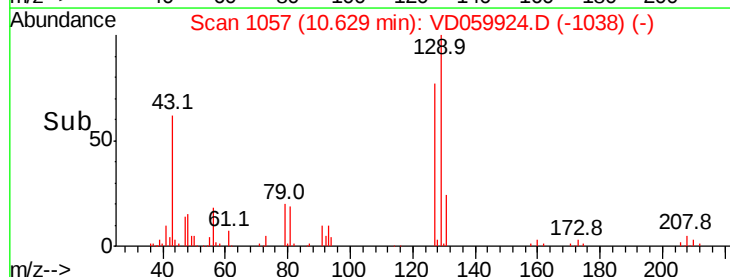
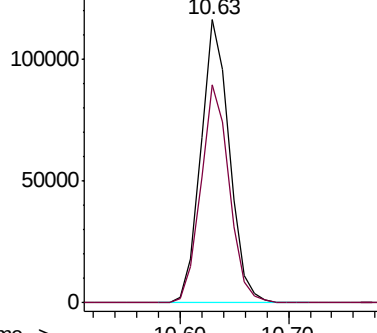
129 100

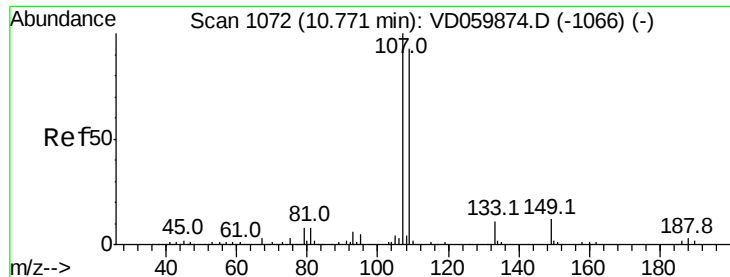
127 76.9 39.1 117.2



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

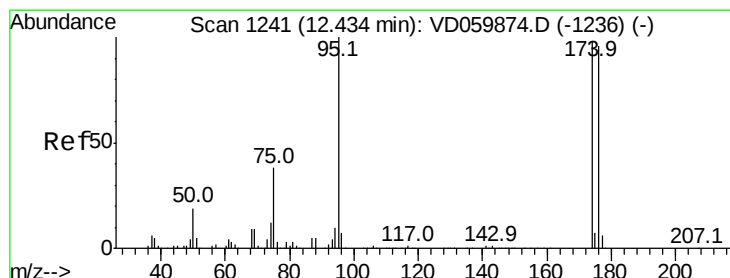
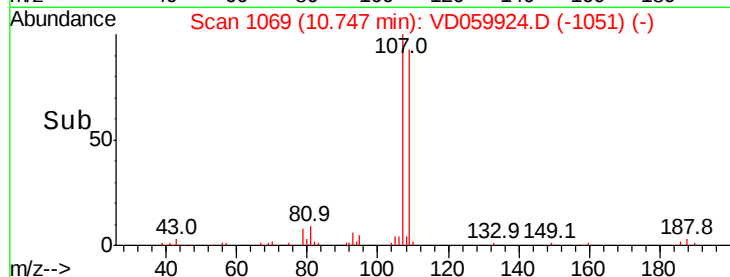
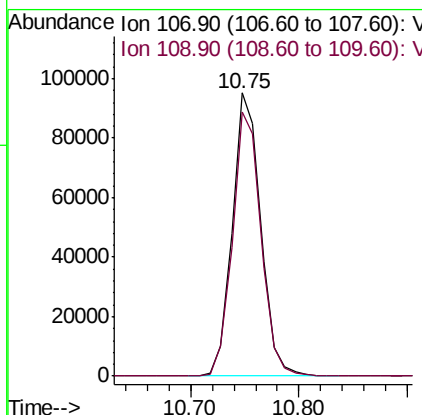
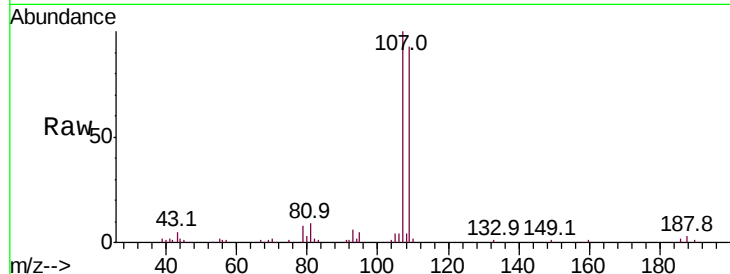




#61
 1,2-Dibromoethane
 Concen: 19.478 ug/l
 RT: 10.75 min Scan# 1069
 Delta R.T. -0.02 min
 Lab File: VD059924.D
 Acq: 30 Aug 2018 13:32

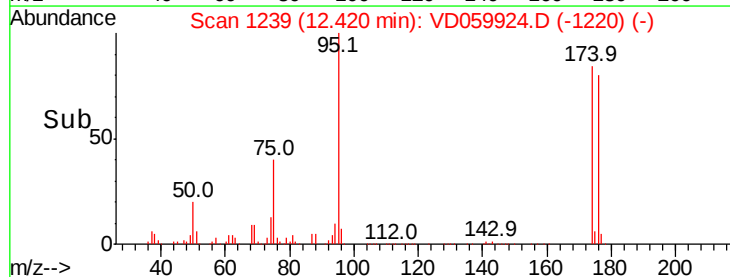
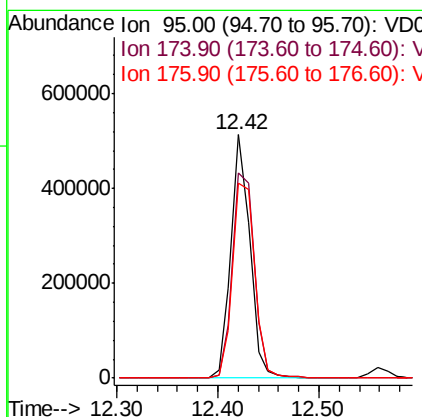
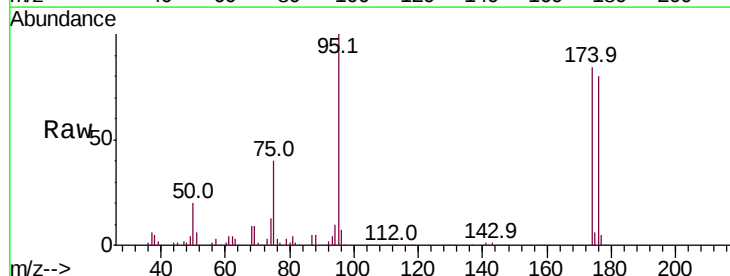
Instrument :
 MSVOA_D
 ClientSampleId :

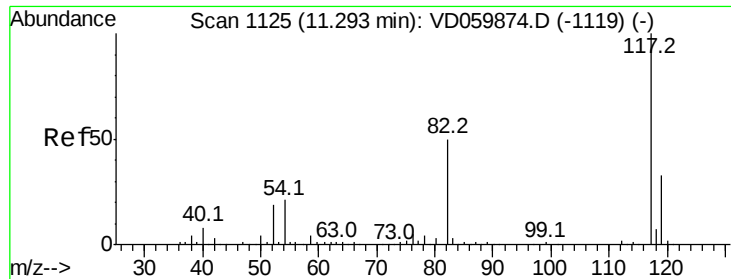
Tot Ion:107 Resp: 173080
 Ion Ratio Lower Upper
 107 100
 109 93.3 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 19.478 ug/l
 RT: 12.42 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VD059924.D
 Acq: 30 Aug 2018 13:32

Tgt Ion: 95 Resp: 670026
 Ion Ratio Lower Upper
 95 100
 174 84.2 0.0 195.6
 176 80.1 0.0 191.2

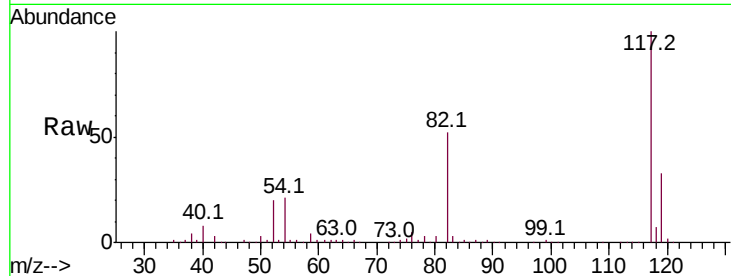




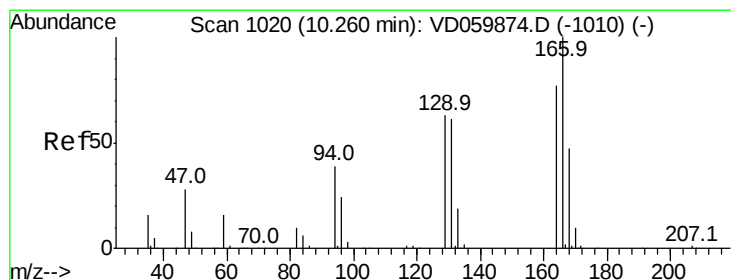
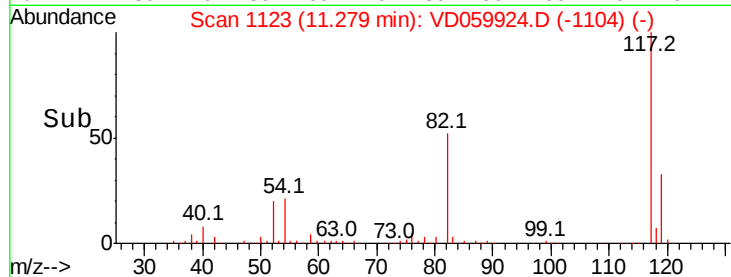
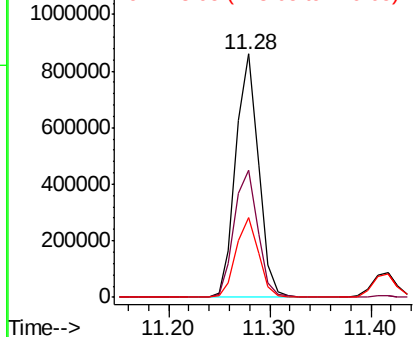
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 1123
Delta R.T. -0.01 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion:117 Resp: 1349465
Ion Ratio Lower Upper
117 100
82 52.4 40.1 60.1
119 32.6 26.7 40.1

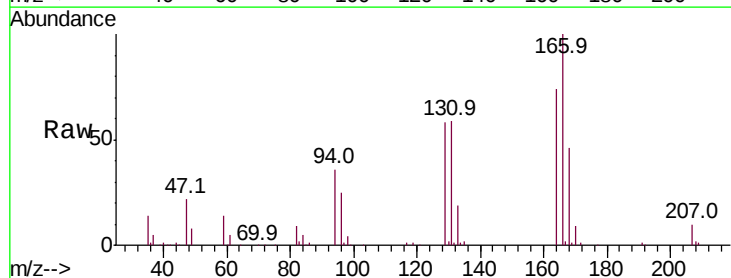


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

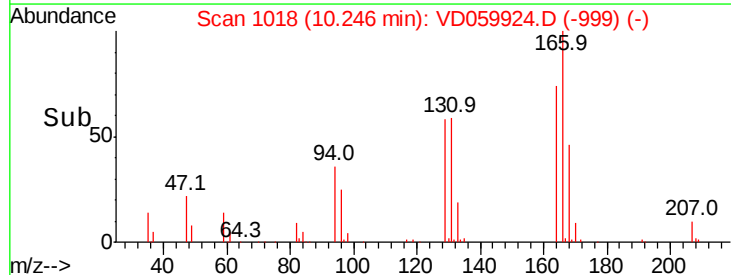
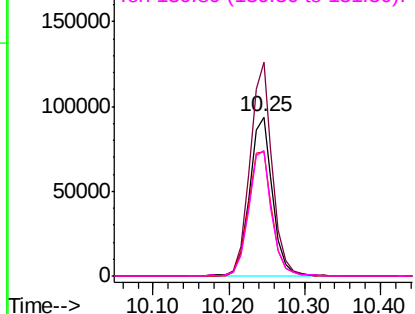


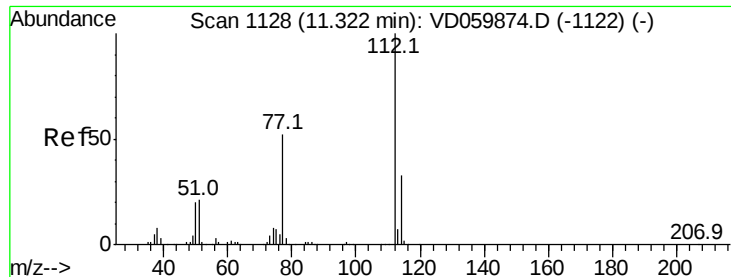
#64
Tetrachloroethene
Concen: 18.905 ug/l
RT: 10.25 min Scan# 1018
Delta R.T. -0.01 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

Tgt Ion:164 Resp: 197263
Ion Ratio Lower Upper
164 100
166 134.5 103.4 155.2
129 78.6 65.2 97.8
131 79.1 63.1 94.7



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

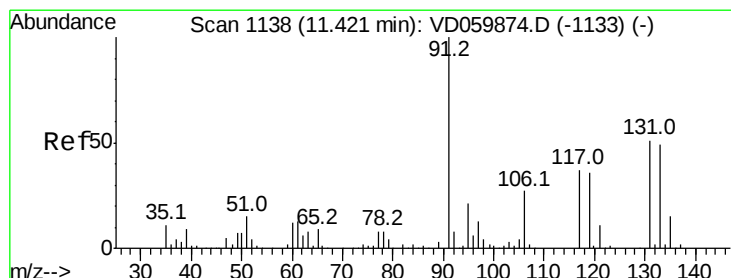
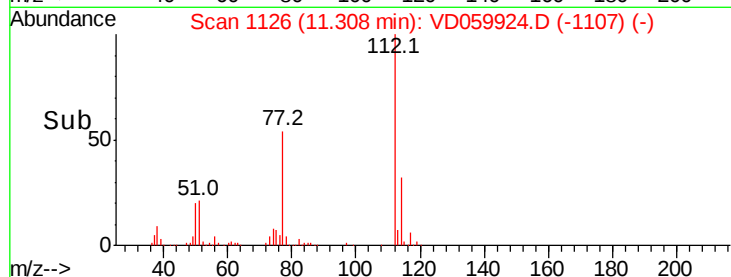
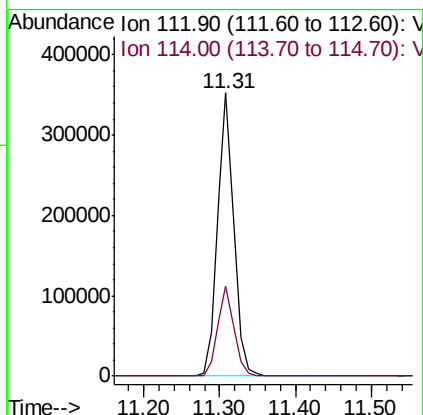
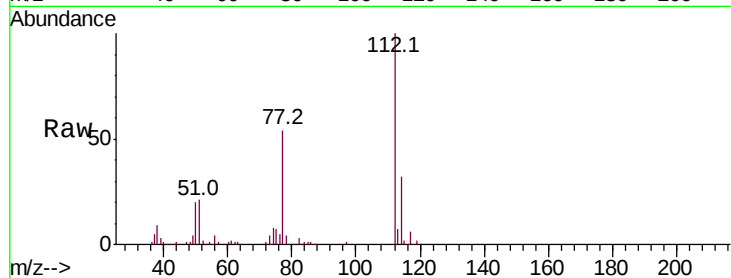




#65
Chlorobenzene
Concen: 20.029 ug/l
RT: 11.31 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

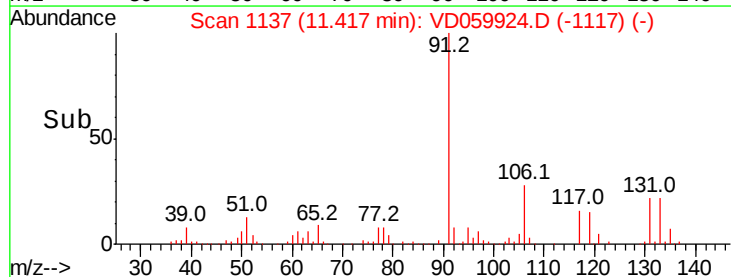
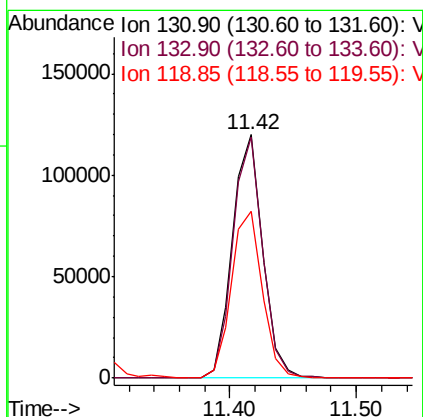
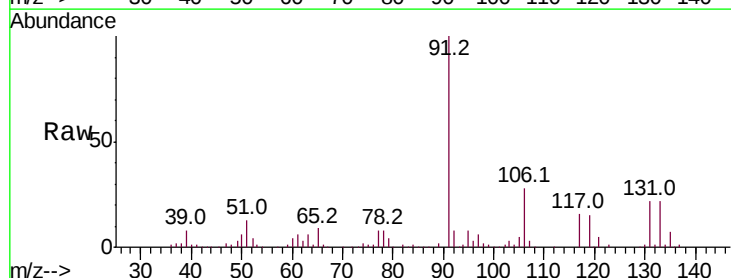
Instrument :
MSVOA_D
ClientSampleId :

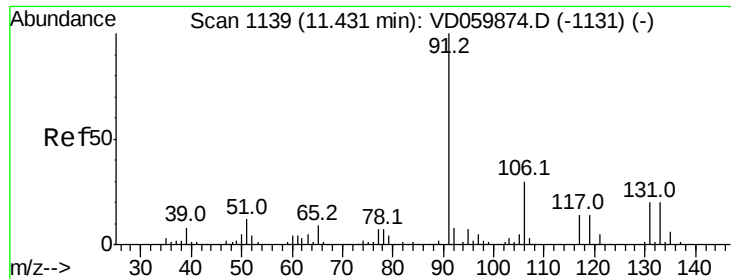
Tot Ion:112 Resp: 537105
Ion Ratio Lower Upper
112 100
114 31.9 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.227 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. -0.00 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

Tgt Ion:131 Resp: 198165
Ion Ratio Lower Upper
131 100
133 98.9 48.3 144.8
119 68.3 35.4 106.3

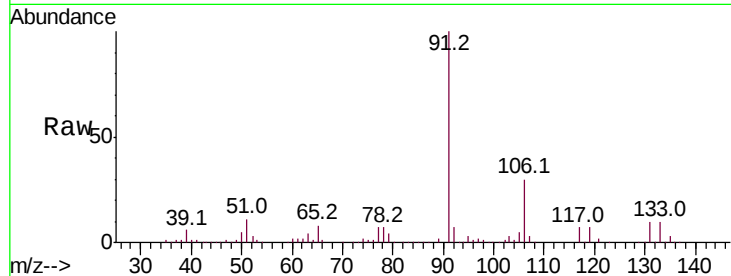




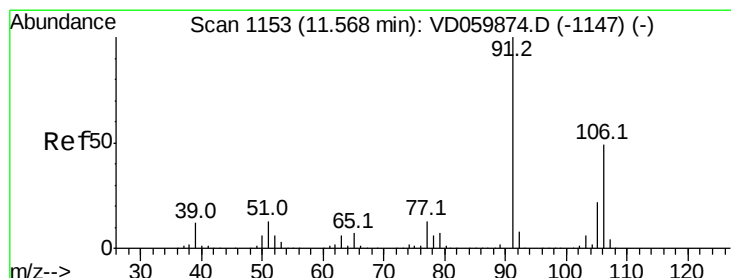
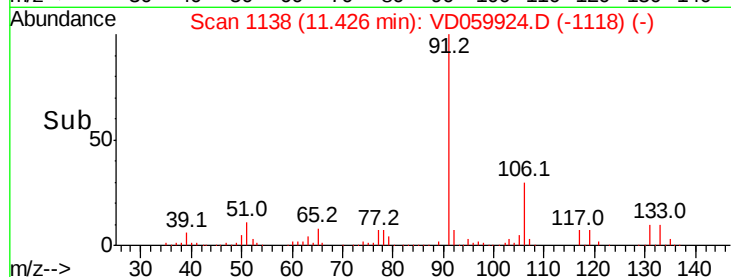
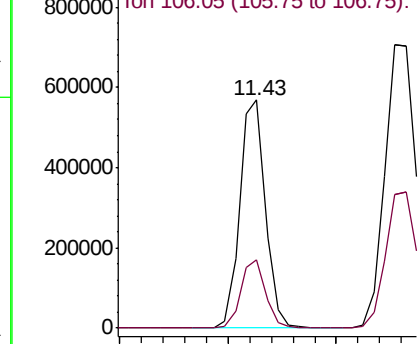
#67
Ethyl Benzene
Concen: 20.714 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 934496
Ion Ratio Lower Upper
91 100
106 30.2 23.8 35.8

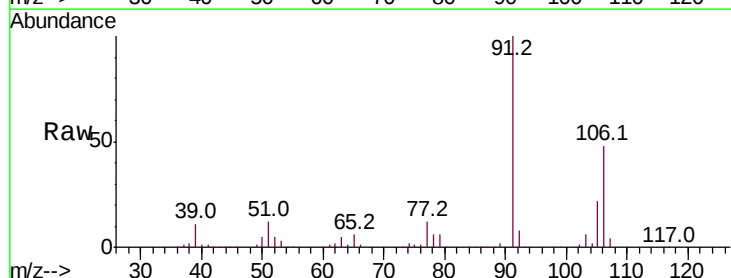


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.05 (105.75 to 106.75): V

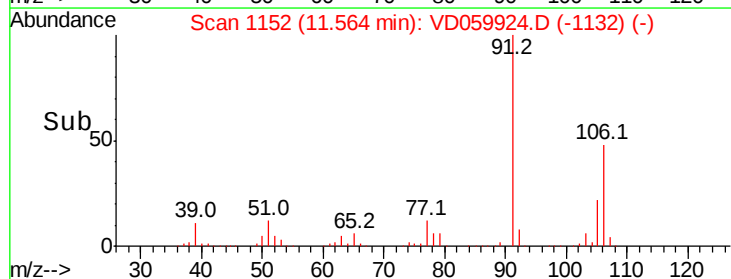
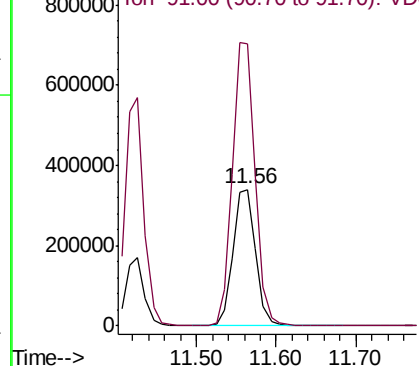


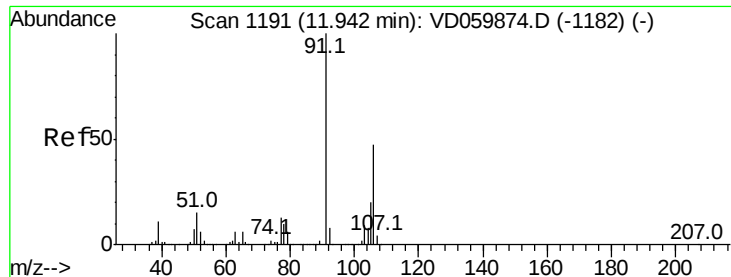
#68
m/p-Xylenes
Concen: 41.087 ug/l
RT: 11.56 min Scan# 1152
Delta R.T. -0.00 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

Tgt Ion: 106 Resp: 674891
Ion Ratio Lower Upper
106 100
91 206.6 162.0 243.0



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

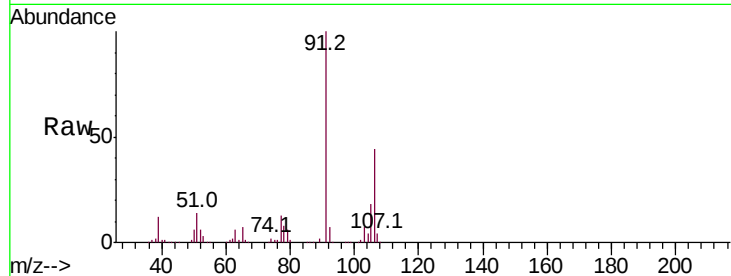




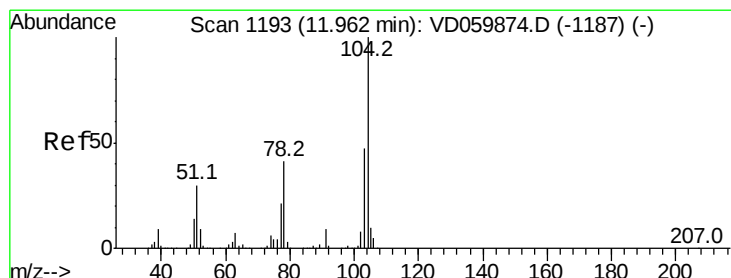
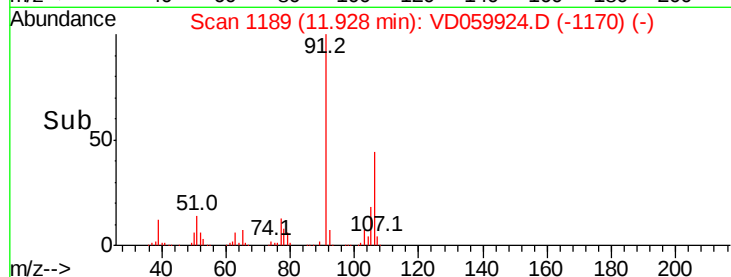
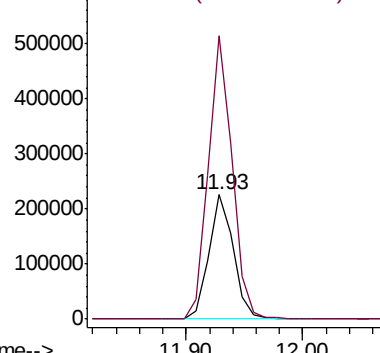
#69
o-Xylene
Concen: 20.270 ug/l
RT: 11.93 min Scan# 1189
Delta R.T. -0.01 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 325641
Ion Ratio Lower Upper
106 100
91 228.1 107.3 322.0

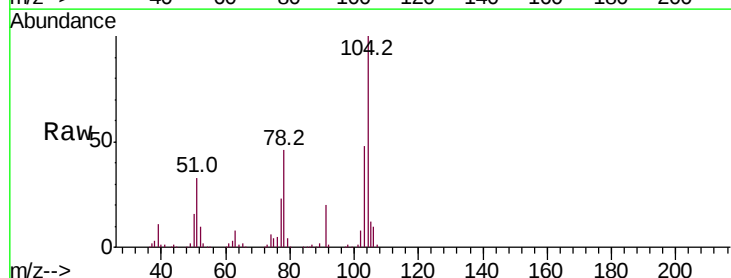


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

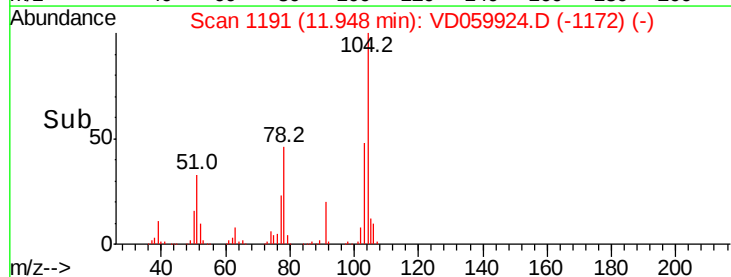
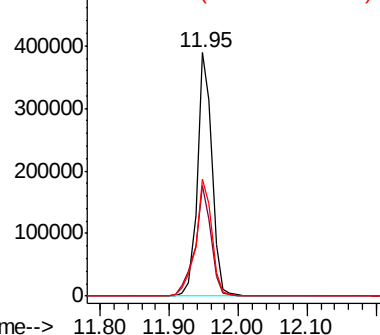


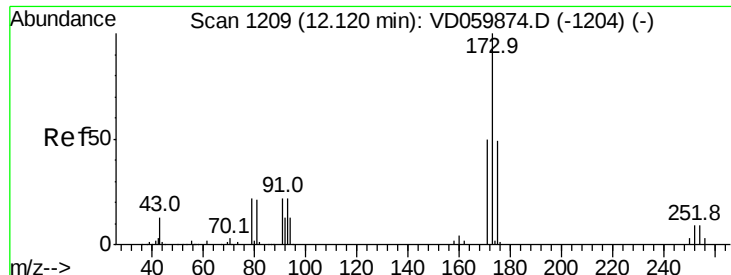
#70
Styrene
Concen: 20.509 ug/l
RT: 11.95 min Scan# 1191
Delta R.T. -0.01 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

Tgt Ion:104 Resp: 570521
Ion Ratio Lower Upper
104 100
78 45.6 32.6 49.0
103 48.0 37.7 56.5



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: 18.634 ug/l

RT: 12.12 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VD059924.D

Acq: 30 Aug 2018 13:32

Instrument :

MSVOA_D

ClientSampled :

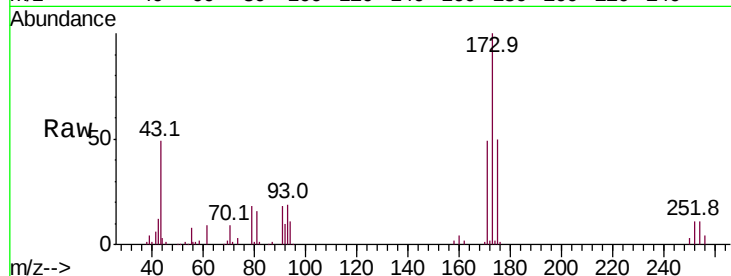
Tot Ion:173 Resp: 157956

Ion Ratio Lower Upper

173 100

175 49.8 24.3 73.0

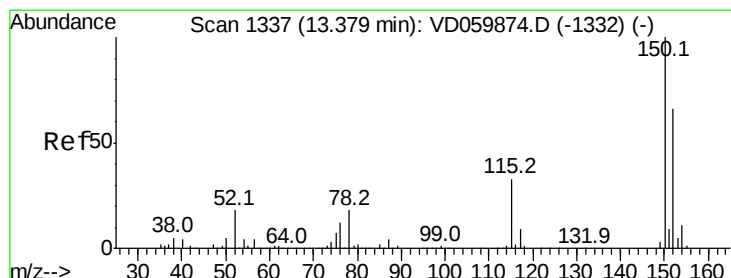
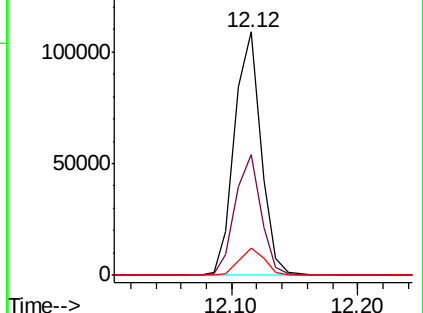
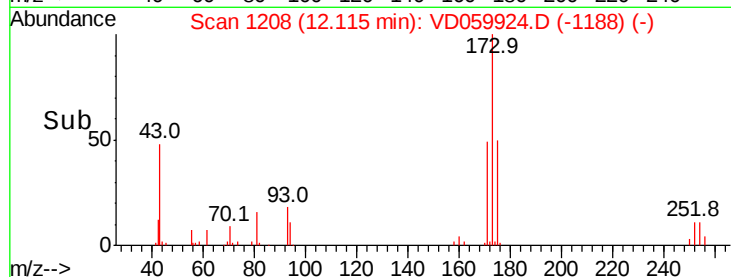
254 11.0 7.0 10.6#



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: 13.37 min Scan# 1335

Delta R.T. -0.01 min

Lab File: VD059924.D

Acq: 30 Aug 2018 13:32

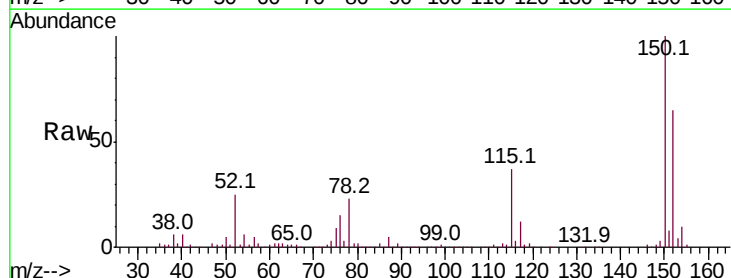
Tgt Ion:152 Resp: 725270

Ion Ratio Lower Upper

152 100

115 56.7 25.7 77.0

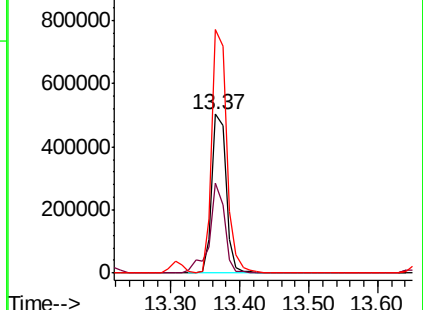
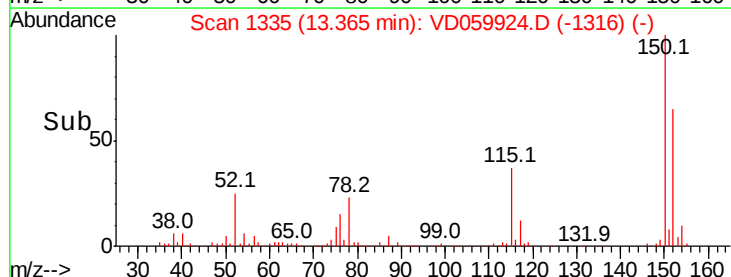
150 153.3 0.0 310.2

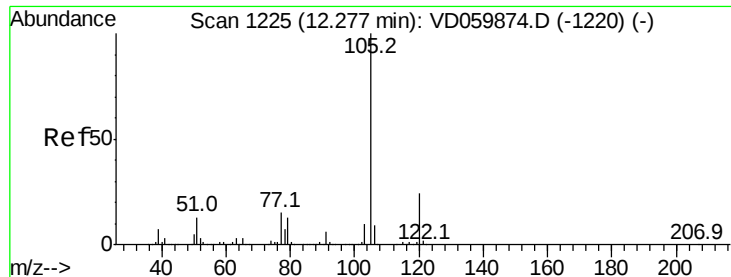


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.843 ug/l

RT: 12.27 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD059924.D

Acq: 30 Aug 2018 13:32

Instrument :

MSVOA_D

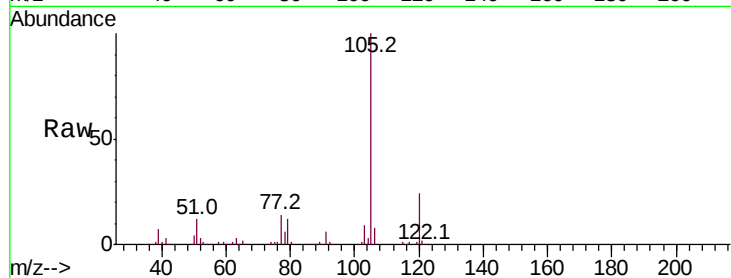
ClientSampleId :

Tot Ion:105 Resp: 918656

Ion Ratio Lower Upper

105 100

120 24.2 11.8 35.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

12.27

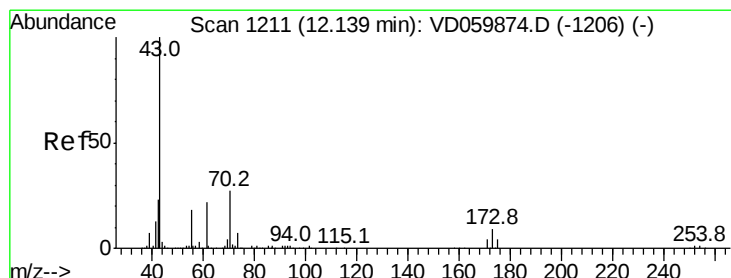
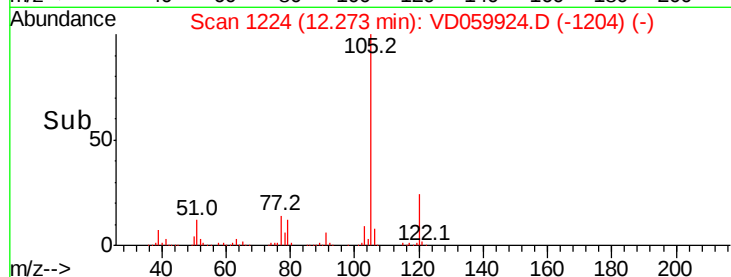
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 18.741 ug/l

RT: 12.13 min Scan# 1210

Delta R.T. -0.00 min

Lab File: VD059924.D

Acq: 30 Aug 2018 13:32

Tgt Ion: 43 Resp: 379912

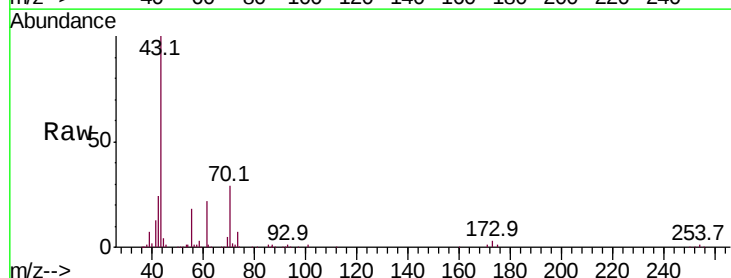
Ion Ratio Lower Upper

43 100

70 28.7 21.4 32.2

55 17.9 14.1 21.1

61 22.5 17.8 26.8



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

12.13

400000

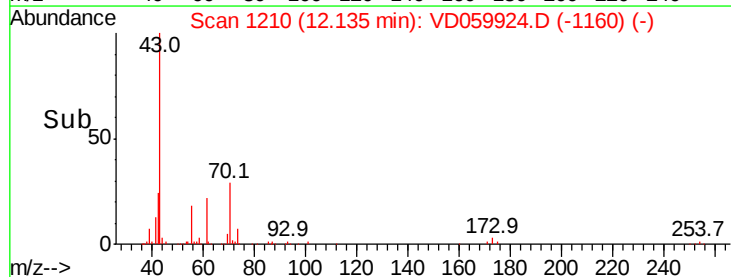
300000

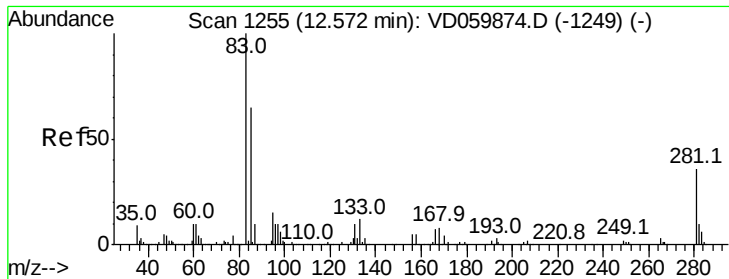
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.167 ug/l

RT: 12.56 min Scan# 1253

Delta R.T. -0.01 min

Lab File: VD059924.D

Acq: 30 Aug 2018 13:32

Instrument :

MSVOA_D

ClientSampleId :

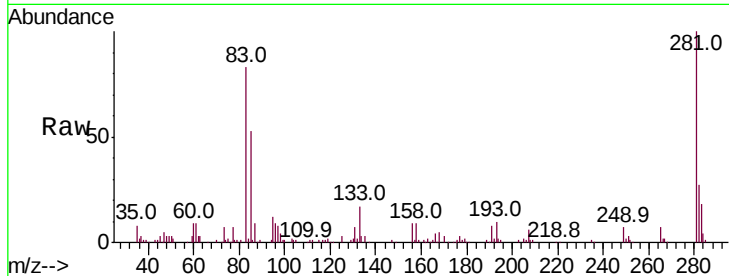
Tot Ion: 83 Resp: 205261

Ion Ratio Lower Upper

83 100

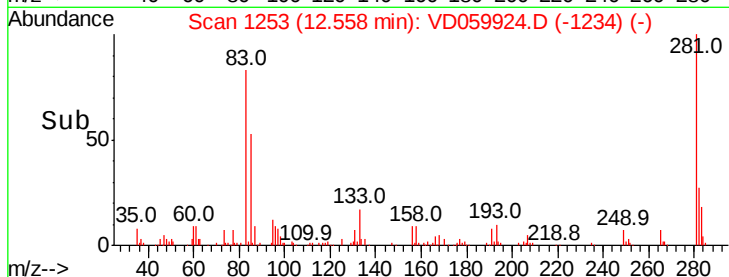
131 8.9 4.8 14.4

85 63.7 32.6 97.8

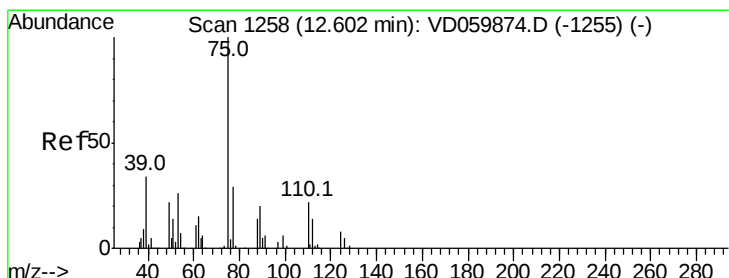


Abundance Ion 82.95 (82.65 to 83.65): VDC
200000 Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC

12.56



Time-->



#76

1,2,3-Trichloropropane

Concen: 18.977 ug/l

RT: 12.60 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VD059924.D

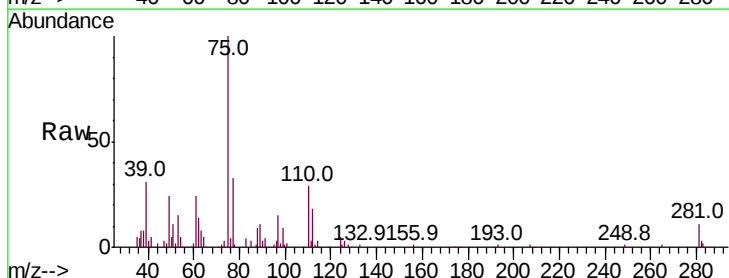
Acq: 30 Aug 2018 13:32

Tgt Ion: 75 Resp: 213911

Ion Ratio Lower Upper

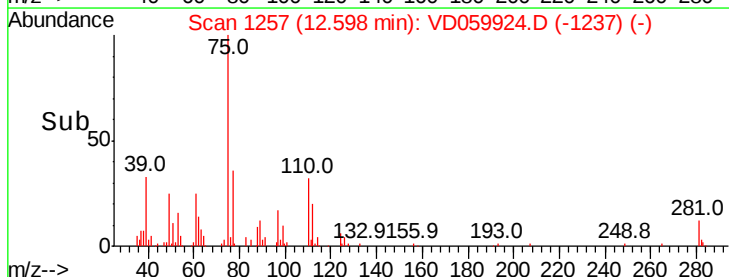
75 100

77 33.2 16.4 49.2

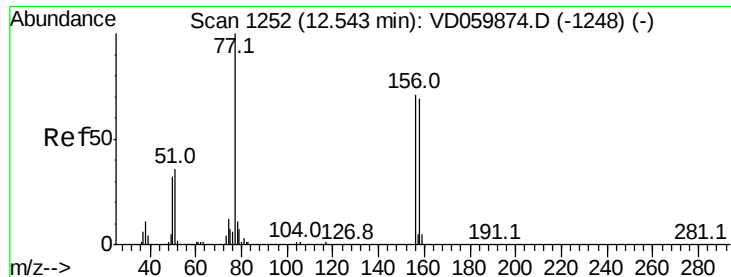


Abundance Ion 75.00 (74.70 to 75.70): VDC
250000 Ion 76.95 (76.65 to 77.65): VDC

12.60



Time-->



#77

Bromobenzene

Concen: 19.593 ug/l

RT: 12.54 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VD059924.D

Acq: 30 Aug 2018 13:32

Instrument :

MSVOA_D

ClientSampleId :

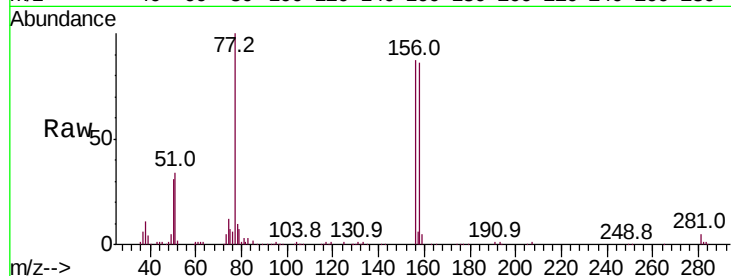
Tot Ion:156 Resp: 251500

Ion Ratio Lower Upper

156 100

77 115.1 70.2 210.4

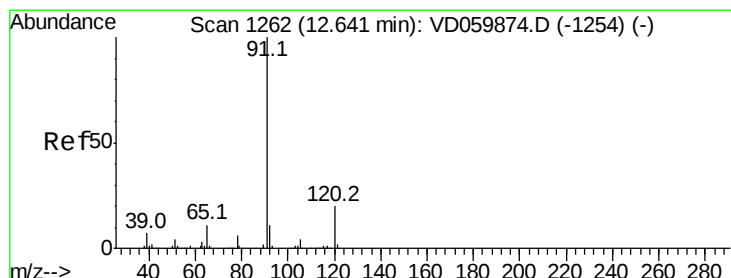
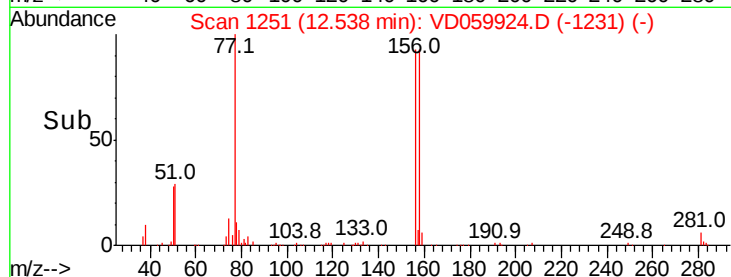
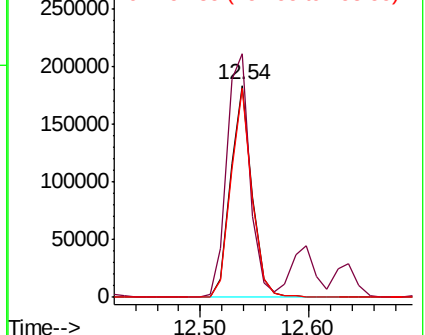
158 99.1 48.4 145.2



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 19.928 ug/l

RT: 12.64 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD059924.D

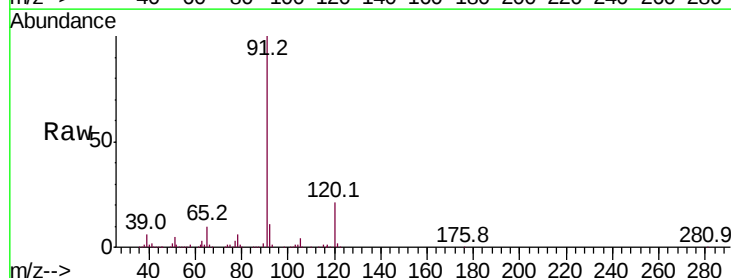
Acq: 30 Aug 2018 13:32

Tgt Ion: 91 Resp: 1168253

Ion Ratio Lower Upper

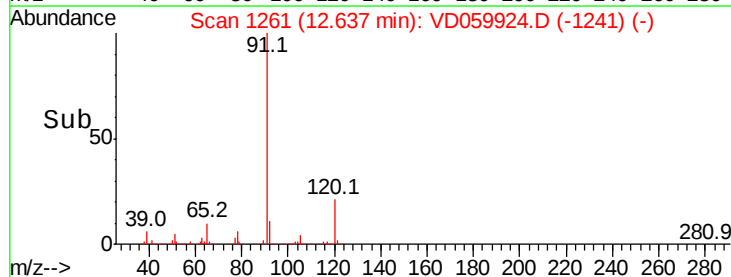
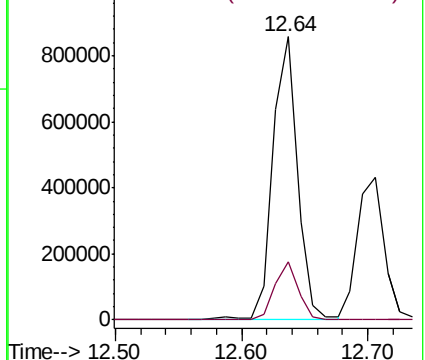
91 100

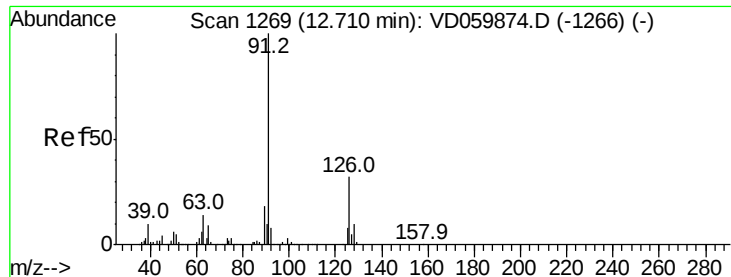
120 20.7 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 19.188 ug/l

RT: 12.71 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VD059924.D

Acq: 30 Aug 2018 13:32

Instrument :

MSVOA_D

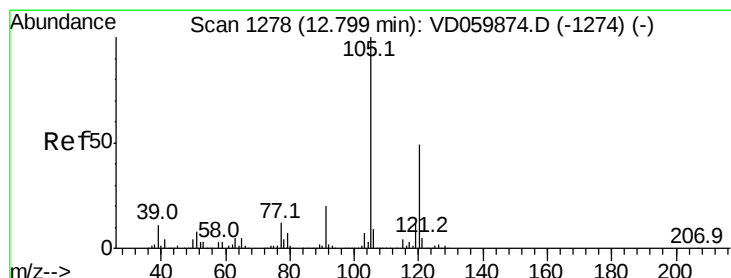
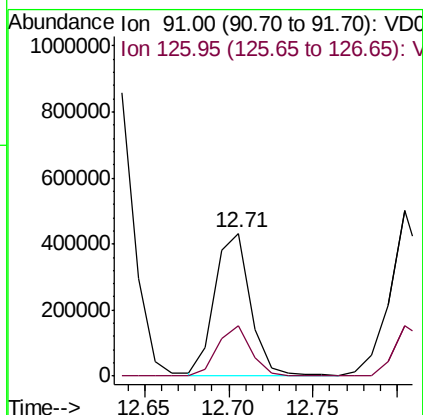
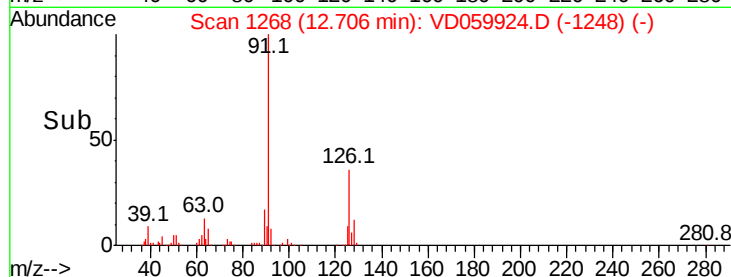
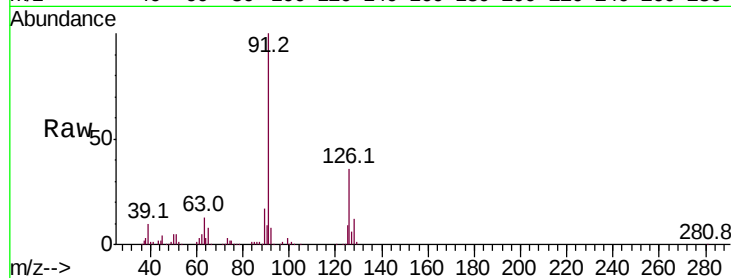
ClientSampled :

Tot Ion: 91 Resp: 636149

Ion Ratio Lower Upper

91 100

126 35.6 16.1 48.2



#80

1,3,5-Trimethylbenzene

Concen: 19.956 ug/l

RT: 12.79 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VD059924.D

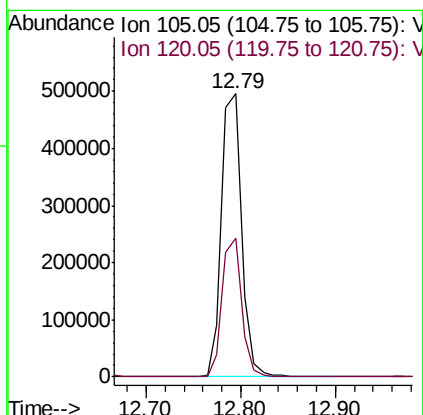
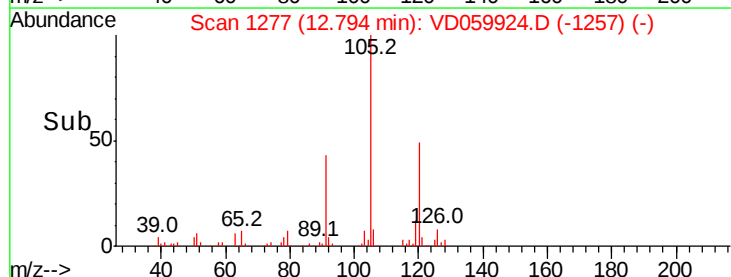
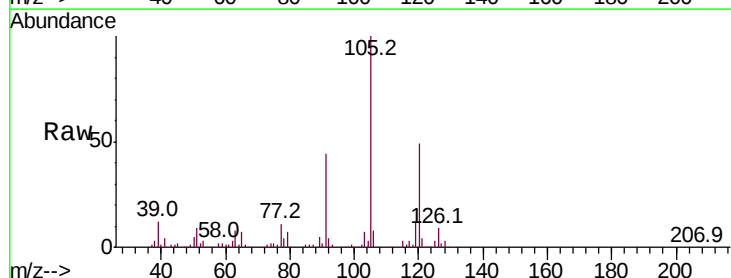
Acq: 30 Aug 2018 13:32

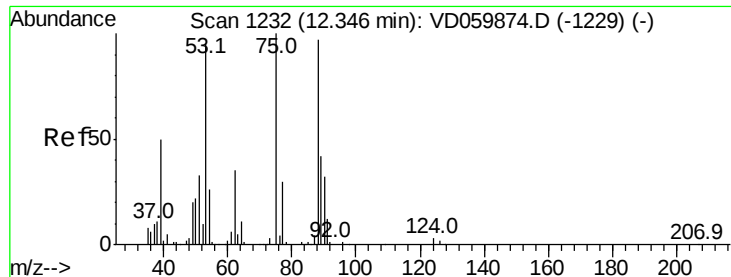
Tgt Ion:105 Resp: 734549

Ion Ratio Lower Upper

105 100

120 49.2 24.5 73.5





#81

trans-1,4-Dichloro-2-butene

Concen: 16.695 ug/l

RT: 12.34 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VD059924.D

Acq: 30 Aug 2018 13:32

Instrument :

MSVOA_D

ClientSampleId :

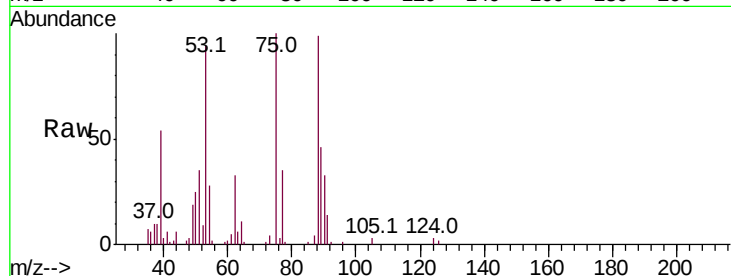
Tot Ion: 75 Resp: 58539

Ion Ratio Lower Upper

75 100

53 93.8 75.8 113.6

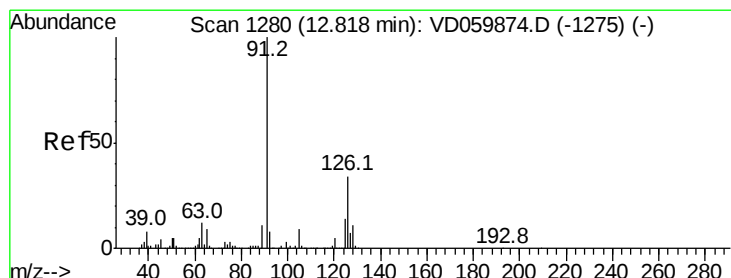
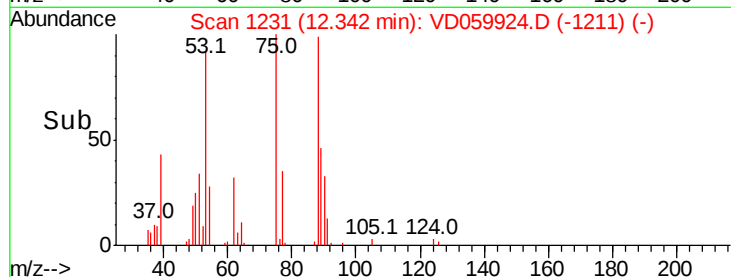
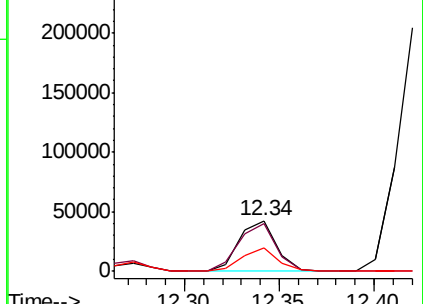
89 46.0 33.6 50.4



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: 19.386 ug/l

RT: 12.80 min Scan# 1278

Delta R.T. -0.01 min

Lab File: VD059924.D

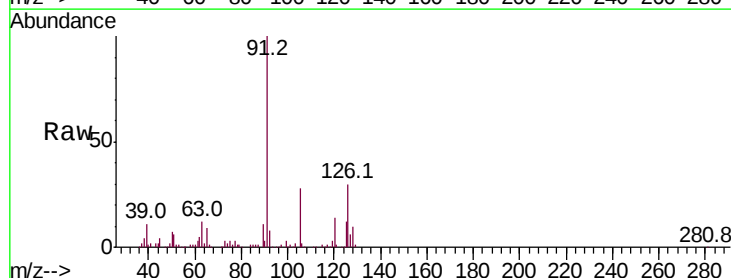
Acq: 30 Aug 2018 13:32

Tgt Ion: 91 Resp: 733101

Ion Ratio Lower Upper

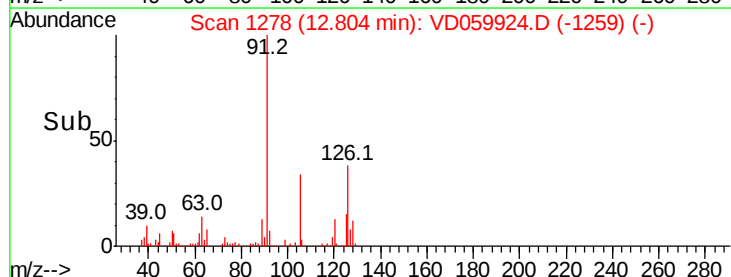
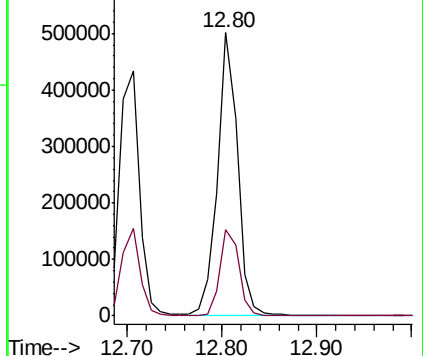
91 100

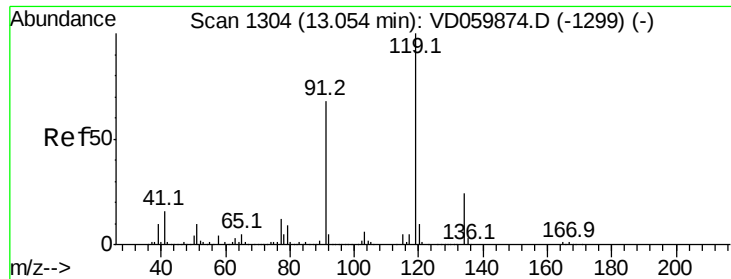
126 30.5 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

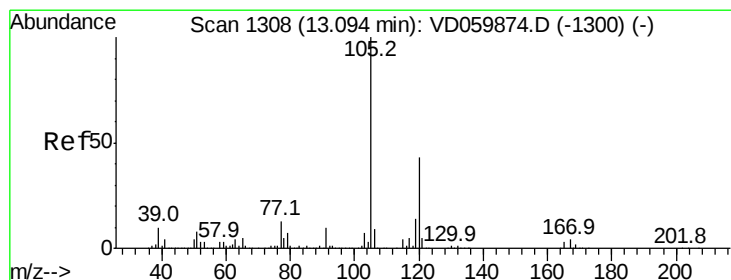
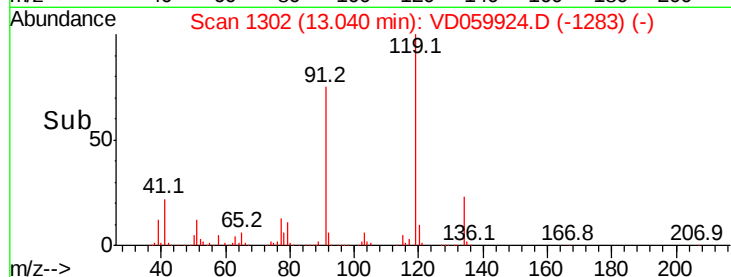
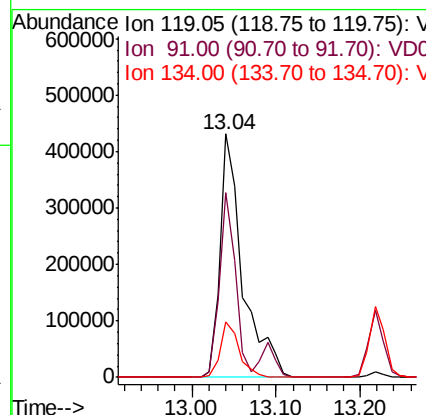
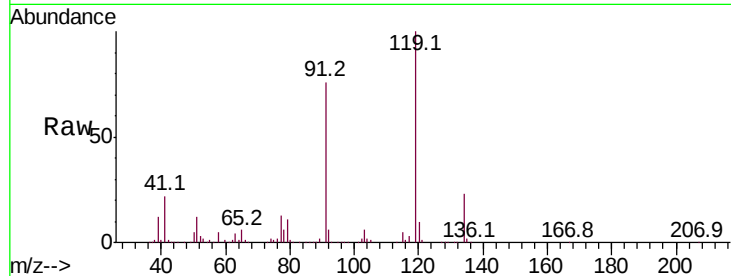




#83
 tert-Butylbenzene
 Concen: 19.334 ug/l
 RT: 13.04 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: VD059924.D
 Acq: 30 Aug 2018 13:32

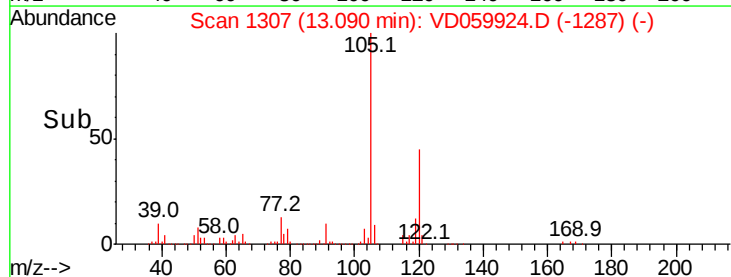
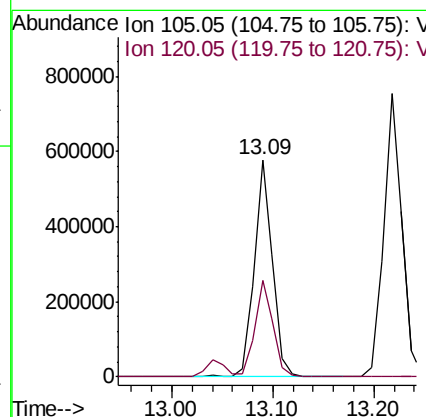
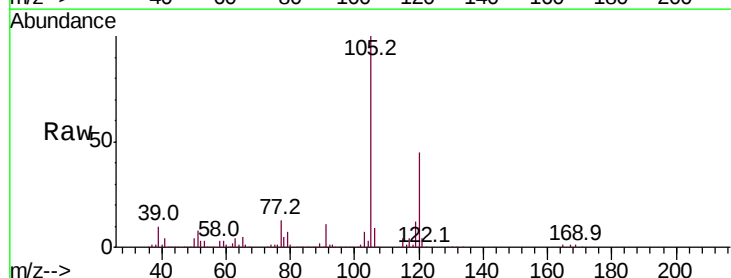
Instrument :
 MSVOA_D
 ClientSampled :

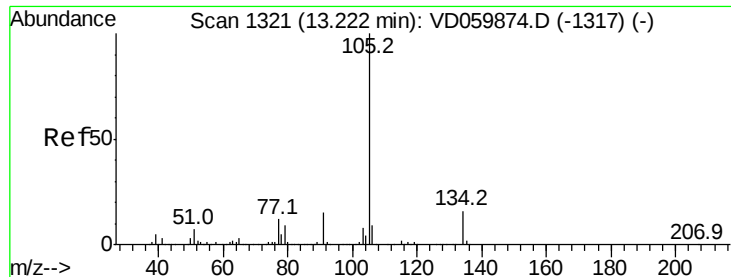
Tot Ion:119 Resp: 810686
 Ion Ratio Lower Upper
 119 100
 91 75.7 34.3 102.9
 134 22.9 11.9 35.9



#84
 1,2,4-Trimethylbenzene
 Concen: 19.072 ug/l
 RT: 13.09 min Scan# 1307
 Delta R.T. -0.00 min
 Lab File: VD059924.D
 Acq: 30 Aug 2018 13:32

Tgt Ion:105 Resp: 731689
 Ion Ratio Lower Upper
 105 100
 120 44.5 21.8 65.3

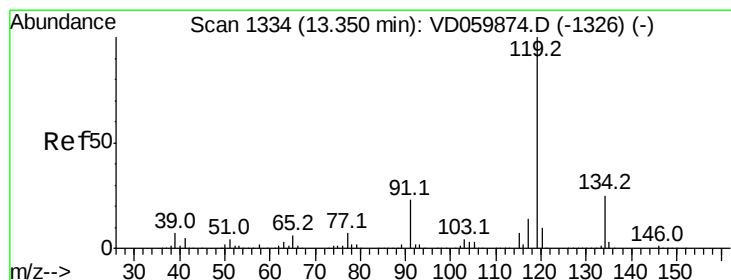
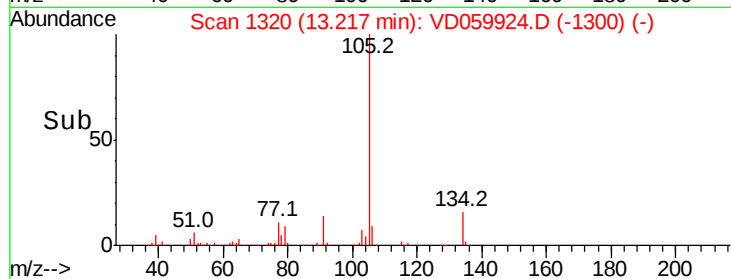
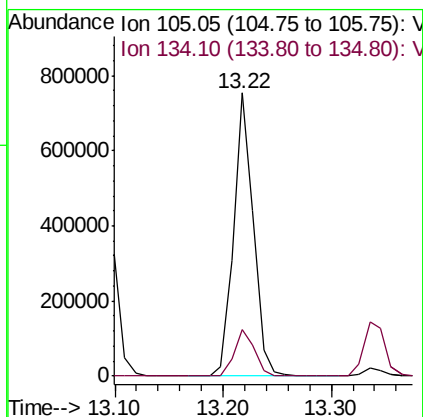
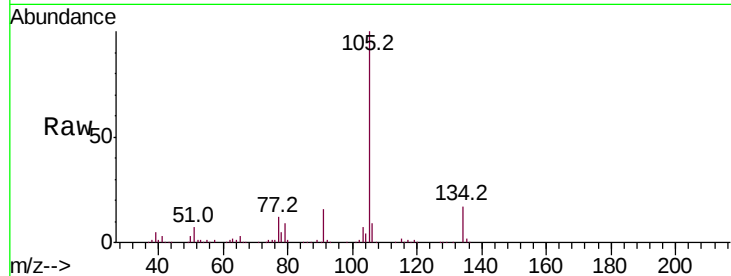




#85
 sec-Butylbenzene
 Concen: 19.315 ug/l
 RT: 13.22 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VD059924.D
 Acq: 30 Aug 2018 13:32

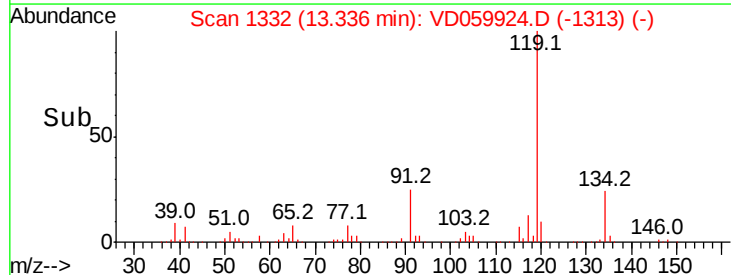
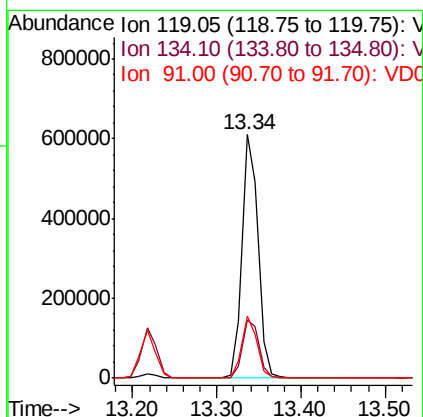
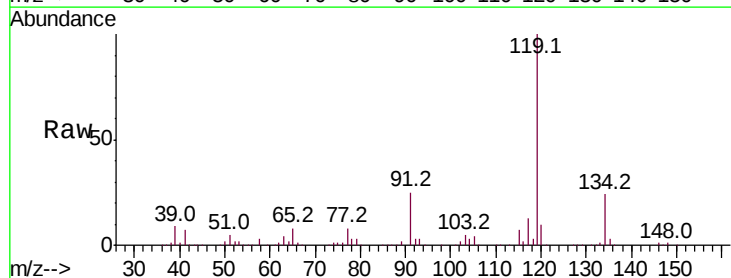
Instrument :
 MSVOA_D
 ClientSampleID :

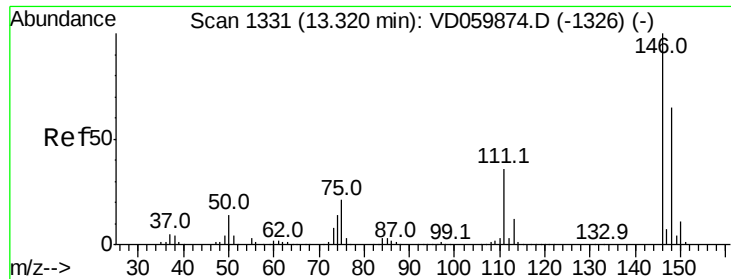
Tot Ion:105 Resp: 952408
 Ion Ratio Lower Upper
 105 100
 134 16.6 8.2 24.4



#86
 p-Isopropyltoluene
 Concen: 20.086 ug/l
 RT: 13.34 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD059924.D
 Acq: 30 Aug 2018 13:32

Tgt Ion:119 Resp: 805485
 Ion Ratio Lower Upper
 119 100
 134 23.6 12.7 38.1
 91 25.3 11.7 35.0

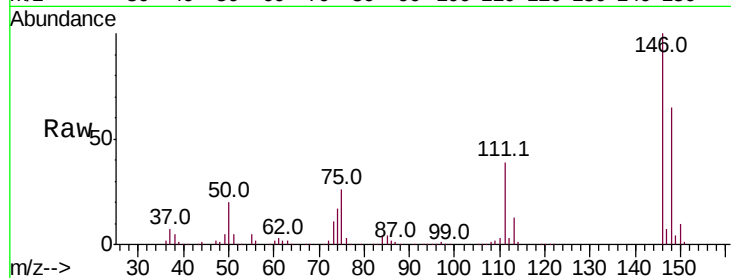




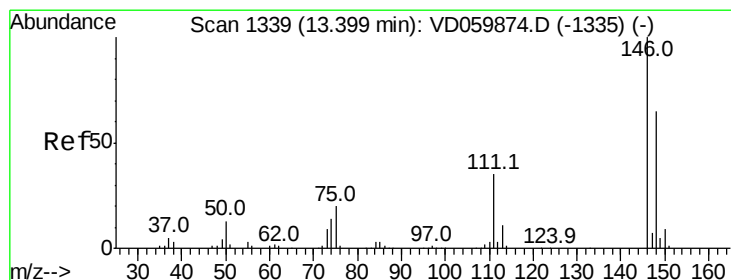
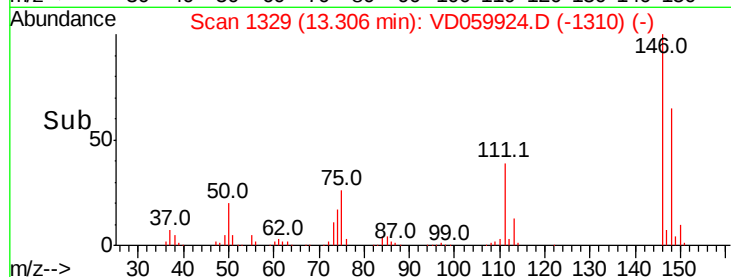
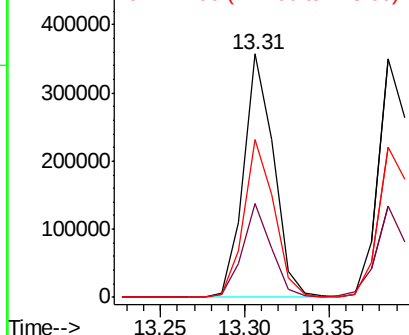
#87
 1,3-Dichlorobenzene
 Concen: 19.389 ug/l
 RT: 13.31 min Scan# 1329
 Delta R.T. -0.01 min
 Lab File: VD059924.D
 Acq: 30 Aug 2018 13:32

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:146 Resp: 444334
 Ion Ratio Lower Upper
 146 100
 111 38.7 17.9 53.7
 148 64.6 32.4 97.0

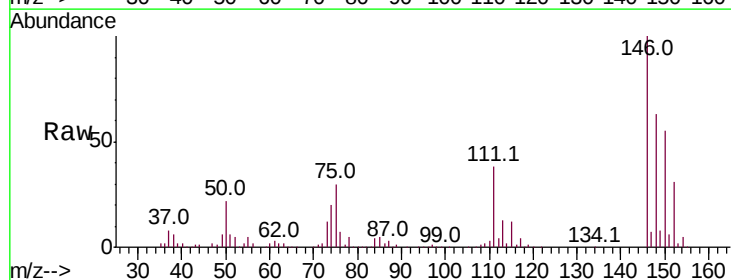


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

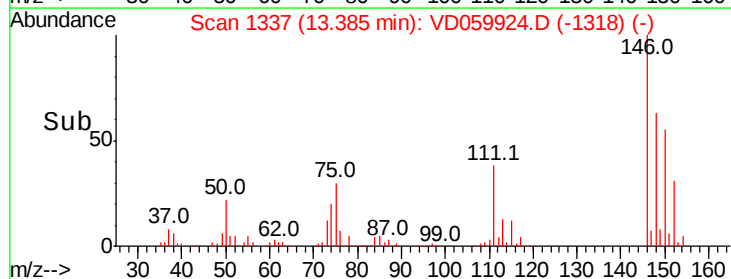
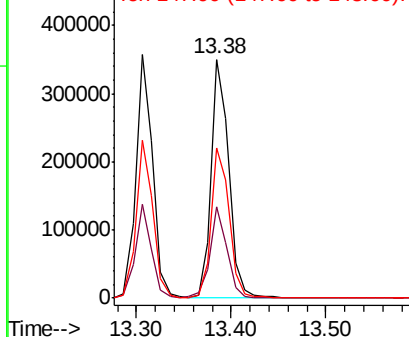


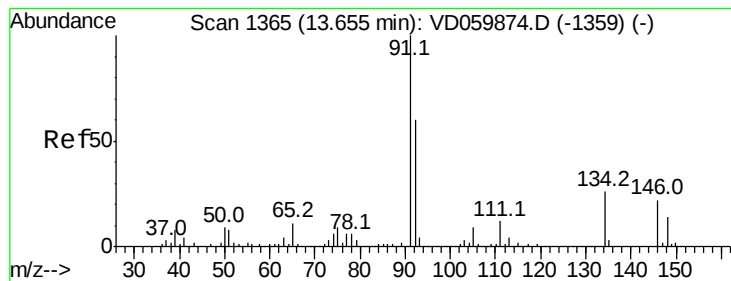
#88
 1,4-Dichlorobenzene
 Concen: 19.964 ug/l
 RT: 13.38 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: VD059924.D
 Acq: 30 Aug 2018 13:32

Tgt Ion:146 Resp: 456464
 Ion Ratio Lower Upper
 146 100
 111 38.3 17.5 52.6
 148 63.0 32.5 97.5



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: 18.877 ug/l

RT: 13.64 min Scan# 1363

Delta R.T. -0.01 min

Lab File: VD059924.D

Acq: 30 Aug 2018 13:32

Instrument :

MSVOA_D

ClientSampled :

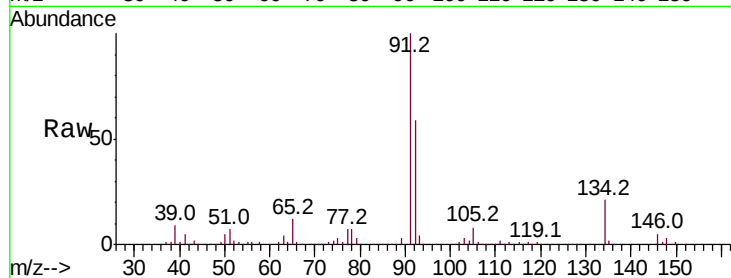
Tot Ion: 91 Resp: 824784

Ion Ratio Lower Upper

91 100

92 59.4 30.0 90.1

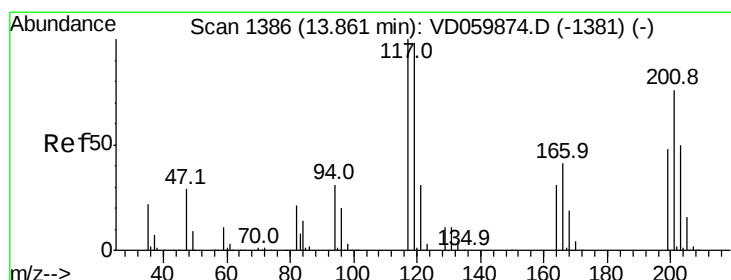
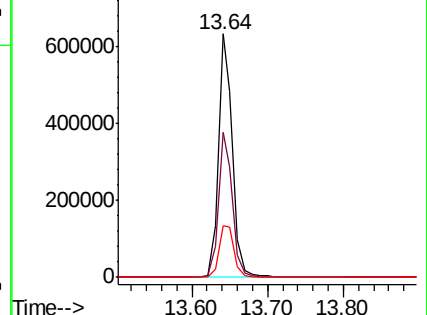
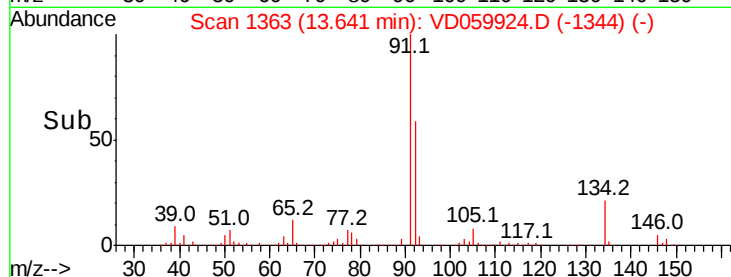
134 21.0 12.8 38.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 17.443 ug/l

RT: 13.86 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VD059924.D

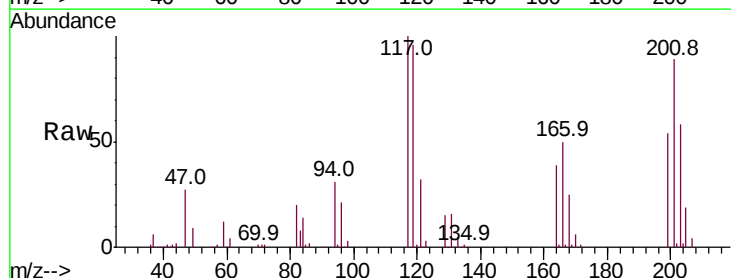
Acq: 30 Aug 2018 13:32

Tgt Ion: 117 Resp: 187826

Ion Ratio Lower Upper

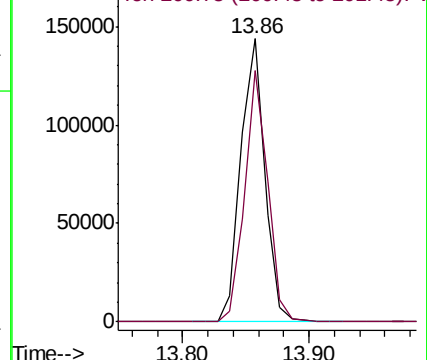
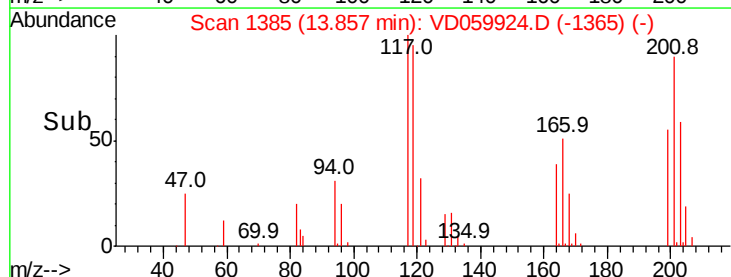
117 100

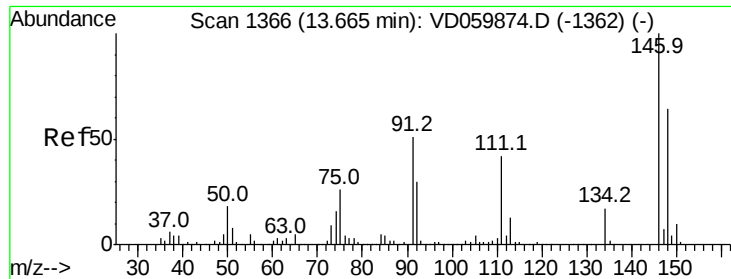
201 89.0 38.1 114.5



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

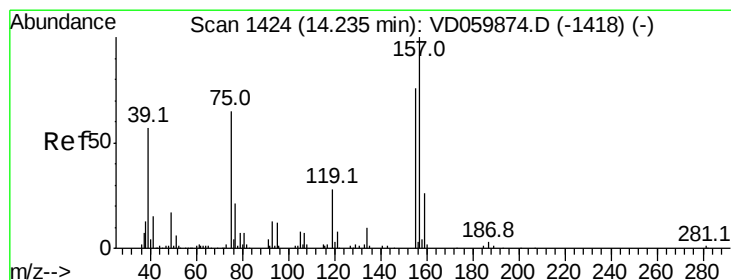
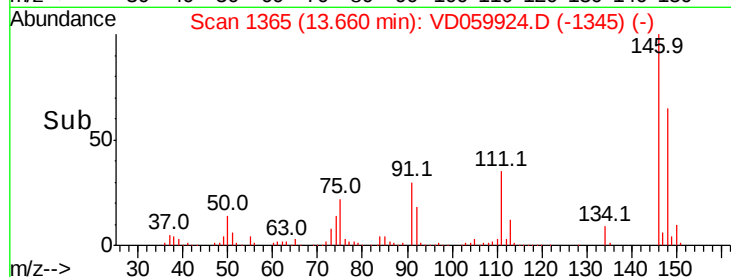
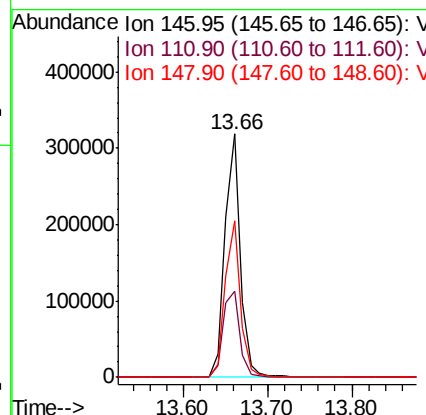
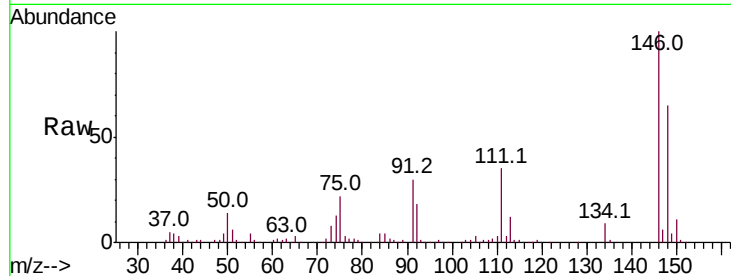




#91
 1,2-Dichlorobenzene
 Concen: 20.902 ug/l
 RT: 13.66 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VD059924.D
 Acq: 30 Aug 2018 13:32

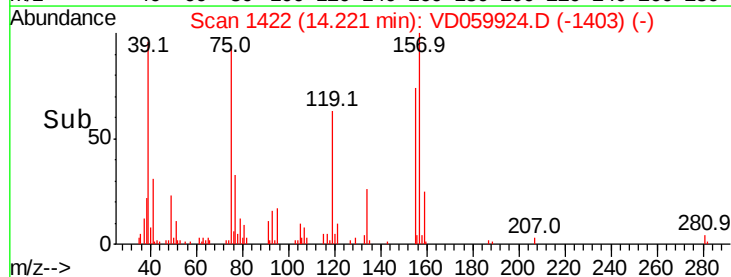
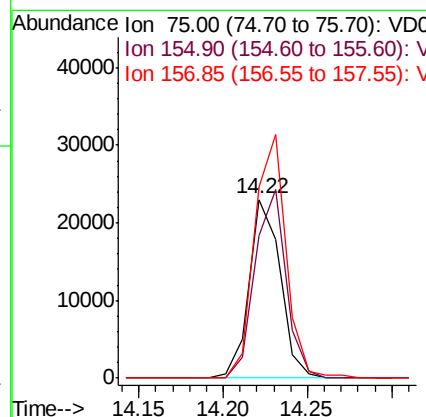
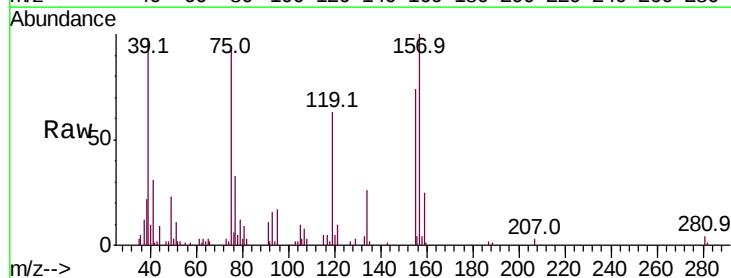
Instrument :
 MSVOA_D
 ClientSampleId :

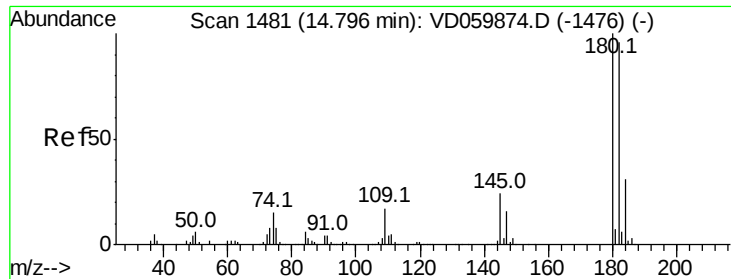
Tot Ion:146 Resp: 407281
 Ion Ratio Lower Upper
 146 100
 111 35.3 21.1 63.1
 148 64.6 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.881 ug/l
 RT: 14.22 min Scan# 1422
 Delta R.T. -0.01 min
 Lab File: VD059924.D
 Acq: 30 Aug 2018 13:32

Tgt Ion: 75 Resp: 29441
 Ion Ratio Lower Upper
 75 100
 155 79.6 58.2 174.6
 157 107.3 76.8 230.4

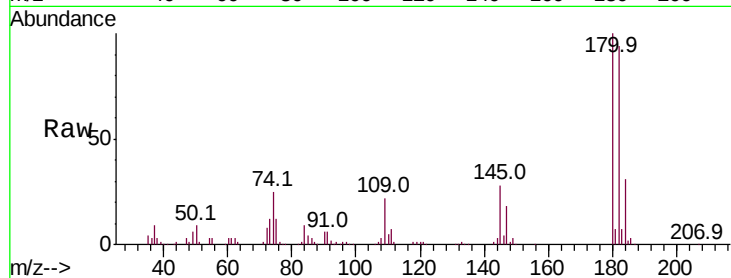




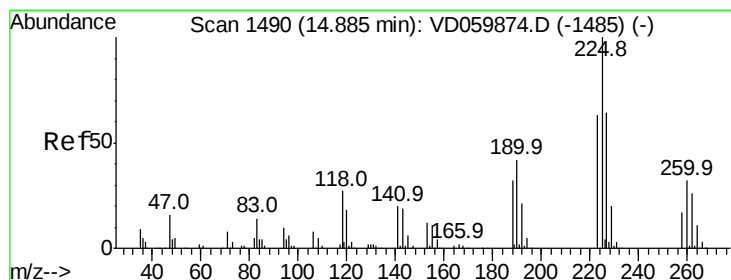
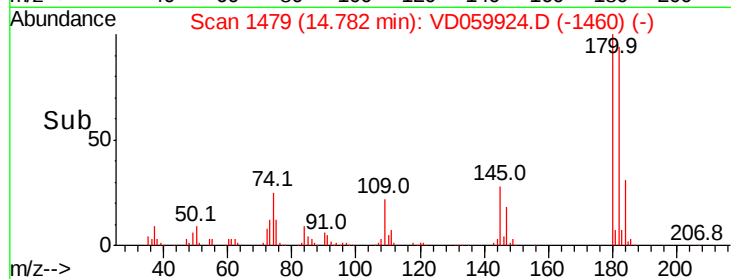
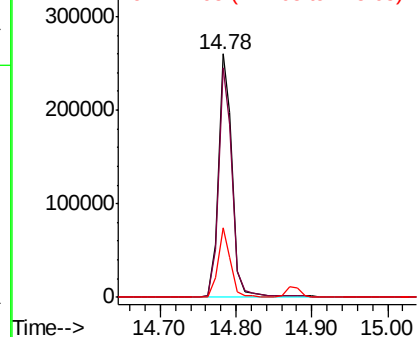
#93
 1,2,4-Trichlorobenzene
 Concen: 20.253 ug/l
 RT: 14.78 min Scan# 1479
 Delta R.T. -0.01 min
 Lab File: VD059924.D
 Acq: 30 Aug 2018 13:32

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.9	143.7
145	28.3	12.2	36.4

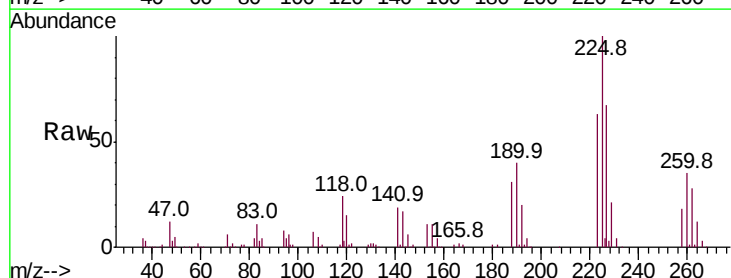


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

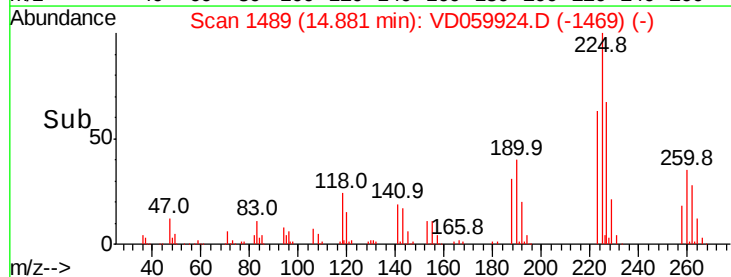
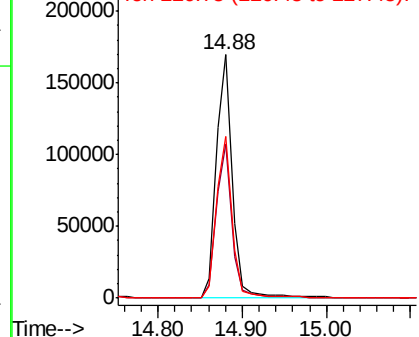


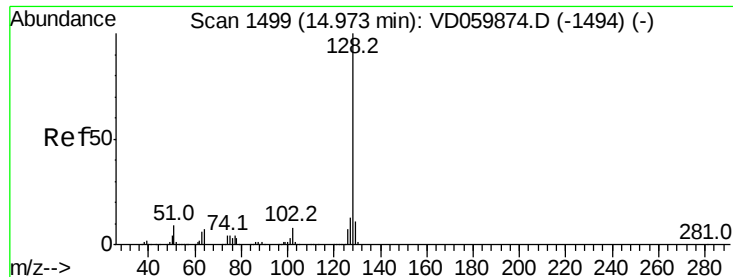
#94
 Hexachlorobutadiene
 Concen: 20.581 ug/l
 RT: 14.88 min Scan# 1489
 Delta R.T. -0.00 min
 Lab File: VD059924.D
 Acq: 30 Aug 2018 13:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.6	94.8
227	66.6	32.0	96.0



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

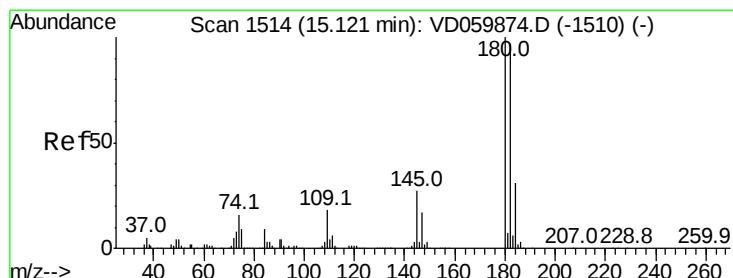
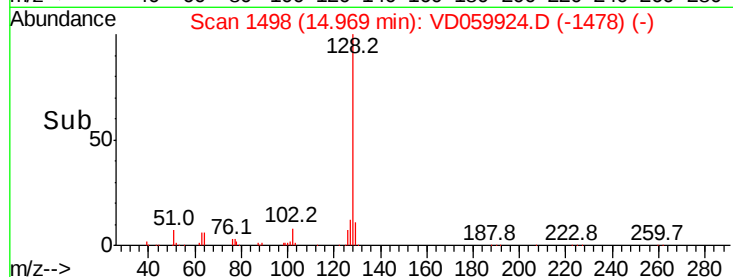
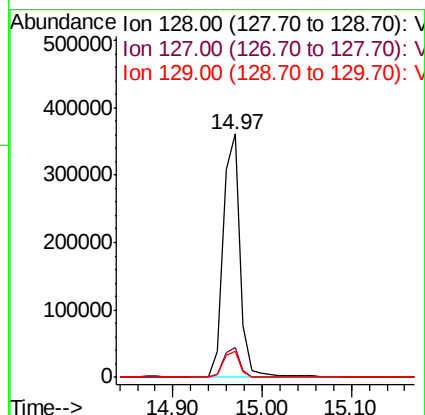
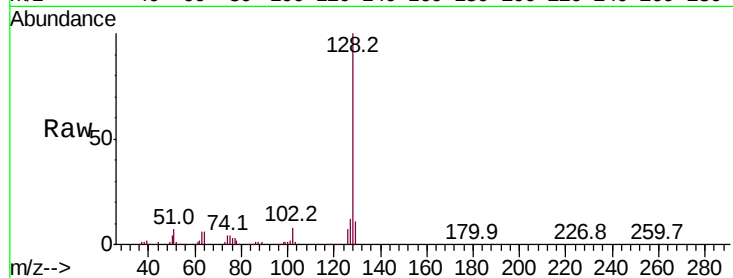




#95
Naphthalene
Concen: 19.039 ug/l
RT: 14.97 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 485422
Ion Ratio Lower Upper
128 100
127 12.1 10.0 15.0
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 19.823 ug/l
RT: 15.12 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

Tgt Ion:180 Resp: 282858
Ion Ratio Lower Upper
180 100
182 97.9 48.6 145.8
145 25.2 13.6 40.8

