

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090518\
 Data File : VD059970.D
 Acq On : 5 Sep 2018 15:39
 Operator : JC/SY
 Sample : VD0905SBSD01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0905SBSD01

Quant Time: Sep 05 16:08:07 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	6.38	168	1157999	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.41	114	1494621	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.27	117	1319576	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	720774	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.75	65	482118	49.40	ug/l	-0.04
Spiked Amount			Recovery	=	98.80%	
35) Dibromofluoromethane	6.29	113	633219	54.04	ug/l	-0.04
Spiked Amount			Recovery	=	108.08%	
50) Toluene-d8	9.44	98	1728476	53.15	ug/l	-0.02
Spiked Amount			Recovery	=	106.30%	
62) 4-Bromofluorobenzene	12.42	95	675354	51.13	ug/l	-0.01
Spiked Amount			Recovery	=	102.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	170831	16.503	ug/l	96
3) Chloromethane	1.72	50	143689	15.323	ug/l	95
4) Vinyl Chloride	1.82	62	119545	16.258	ug/l	98
5) Bromomethane	2.11	94	10476	8.252	ug/l	87
6) Chloroethane	2.21	64	30979	11.641	ug/l	96
7) Trichlorofluoromethane	2.46	101	161548	18.992	ug/l	98
8) Diethyl Ether	2.80	74	33167	17.380	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.04	101	107609	20.657	ug/l	93
10) Methyl Iodide	3.20	142	73284	15.756	ug/l	99
11) Tert butyl alcohol	3.95	59	71074	95.437	ug/l	98
12) 1,1-Dichloroethene	3.03	96	75832	18.699	ug/l	94
13) Acrolein	2.95	56	16744	51.838	ug/l	98
14) Allyl chloride	3.49	41	168718	18.390	ug/l	92
15) Acrylonitrile	4.05	53	280660	100.638	ug/l	99
16) Acetone	3.13	43	149637	84.151	ug/l	99
17) Carbon Disulfide	3.27	76	177073	14.067	ug/l	98
18) Methyl Acetate	3.51	43	67164	18.093	ug/l	100
19) Methyl tert-butyl Ether	4.09	73	439130	19.141	ug/l	99
20) Methylene Chloride	3.67	84	287932	22.190	ug/l	95
21) trans-1,2-Dichloroethene	4.06	96	205866	18.424	ug/l	98
22) Diisopropyl ether	4.82	45	921787	19.700	ug/l	95
23) Vinyl Acetate	4.76	43	2643164	101.052	ug/l	100
24) 1,1-Dichloroethane	4.72	63	398958	19.737	ug/l	99
25) 2-Butanone	5.59	43	462647	87.848	ug/l	96
26) 2,2-Dichloropropane	5.55	77	330378	19.551	ug/l	99
27) cis-1,2-Dichloroethene	5.55	96	248102	20.279	ug/l	99
28) Bromochloromethane	5.90	49	201515	20.801	ug/l	90
29) Tetrahydrofuran	5.93	42	251776	100.420	ug/l	99
30) Chloroform	6.07	83	418247	20.359	ug/l	100
31) Cyclohexane	6.33	56	315278	16.965	ug/l	98
32) 1,1,1-Trichloroethane	6.26	97	323847	18.574	ug/l	98
36) 1,1-Dichloropropene	6.49	75	288668	21.306	ug/l	98
37) Ethyl Acetate	5.67	43	224783	21.320	ug/l #	97
38) Carbon Tetrachloride	6.47	117	276528	20.224	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090518\
 Data File : VD059970.D
 Acq On : 5 Sep 2018 15:39
 Operator : JC/SY
 Sample : VD0905SBSD01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0905SBSD01

Quant Time: Sep 05 16:08:07 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)
39) Methylcyclohexane	8.01	83	291326	19.901	ug/l	96
40) Benzene	6.76	78	778611	22.101	ug/l	98
41) Methacrylonitrile	5.93	41	254508	47.922	ug/l #	75
42) 1,2-Dichloroethane	6.86	62	239930	21.215	ug/l	100
43) Isopropyl Acetate	8.33	43	288074	21.002	ug/l	98
44) Trichloroethene	7.72	130	226526	21.838	ug/l	97
45) 1,2-Dichloropropane	8.08	63	219357	22.276	ug/l	98
46) Dibromomethane	8.19	93	137047	21.645	ug/l	97
47) Bromodichloromethane	8.46	83	310104	21.634	ug/l	99
48) Methyl methacrylate	8.22	41	166526	20.827	ug/l	96
49) 1,4-Dioxane	8.21	88	31052	434.998	ug/l #	89
51) 4-Methyl-2-Pentanone	9.32	43	968434	94.705	ug/l	96
52) Toluene	9.53	92	481480	21.314	ug/l	99
53) t-1,3-Dichloropropene	9.90	75	276990	20.892	ug/l	97
54) cis-1,3-Dichloropropene	9.08	75	328025	21.340	ug/l	96
55) 1,1,2-Trichloroethane	10.17	97	179739	21.767	ug/l	99
56) Ethyl methacrylate	10.01	69	207515	21.775	ug/l	98
57) 1,3-Dichloropropane	10.36	76	274164	22.939	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.90	63	550295	120.369	ug/l	100
59) 2-Hexanone	10.47	43	710784	94.239	ug/l	98
60) Dibromochloromethane	10.62	129	211675	20.394	ug/l	98
61) 1,2-Dibromoethane	10.75	107	173195	20.743	ug/l	99
64) Tetrachloroethene	10.24	164	203003	19.896	ug/l	99
65) Chlorobenzene	11.30	112	565793	21.577	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	205146	21.414	ug/l	98
67) Ethyl Benzene	11.42	91	951834	21.576	ug/l	100
68) m/p-Xylenes	11.55	106	691451	43.049	ug/l	93
69) o-Xylene	11.92	106	336074	21.393	ug/l	91
70) Styrene	11.95	104	584442	21.486	ug/l	100
71) Bromoform	12.11	173	152715	18.424	ug/l	98
73) Isopropylbenzene	12.26	105	940542	20.442	ug/l	99
74) N-amyl acetate	12.13	43	379241	18.825	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.55	83	217139	20.403	ug/l	98
76) 1,2,3-Trichloropropane	12.59	75	216090	19.289	ug/l	98
77) Bromobenzene	12.53	156	272849	21.389	ug/l	94
78) n-propylbenzene	12.63	91	1201298	20.619	ug/l	99
79) 2-Chlorotoluene	12.70	91	648456	19.681	ug/l	98
80) 1,3,5-Trimethylbenzene	12.78	105	738026	20.176	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.33	75	60408	17.335	ug/l	97
82) 4-Chlorotoluene	12.80	91	763868	20.326	ug/l	98
83) tert-Butylbenzene	13.04	119	847352	20.335	ug/l	98
84) 1,2,4-Trimethylbenzene	13.08	105	759371	19.917	ug/l	98
85) sec-Butylbenzene	13.22	105	997396	20.354	ug/l	95
86) p-Isopropyltoluene	13.34	119	817011	20.500	ug/l	100
87) 1,3-Dichlorobenzene	13.31	146	481400	21.138	ug/l	98
88) 1,4-Dichlorobenzene	13.38	146	480396	21.142	ug/l	98
89) n-Butylbenzene	13.64	91	882346	20.505	ug/l	98
90) Hexachloroethane	13.85	117	181164	16.930	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	438695	22.654	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.22	75	29035	17.745	ug/l	96

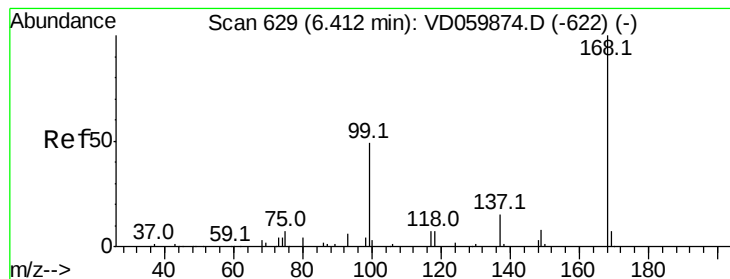
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090518\
Data File : VD059970.D
Acq On : 5 Sep 2018 15:39
Operator : JC/SY
Sample : VD0905SBSD01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0905SBSD01

Quant Time: Sep 05 16:08:07 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)
93) 1,2,4-Trichlorobenzene	14.78	180	336626	20.302	ug/l	98
94) Hexachlorobutadiene	14.87	225	225845	20.779	ug/l	98
95) Naphthalene	14.96	128	513179	20.253	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	292037	20.594	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.38 min Scan# 625

Delta R.T. -0.03 min

Lab File: VD059970.D

Acq: 5 Sep 2018 15:39

Instrument :

MSVOA_D

ClientSampleId :

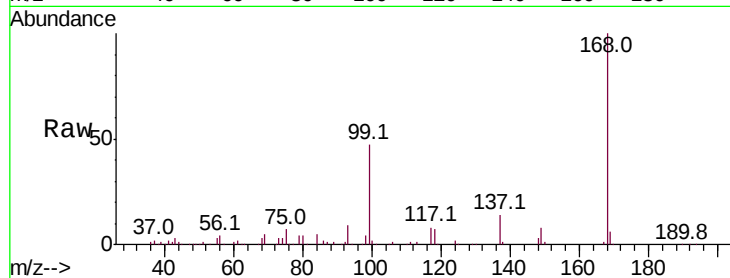
VD0905SBSD01

Tot Ion:168 Resp: 1157999

Ion Ratio Lower Upper

168 100

99 46.7 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.38

400000

300000

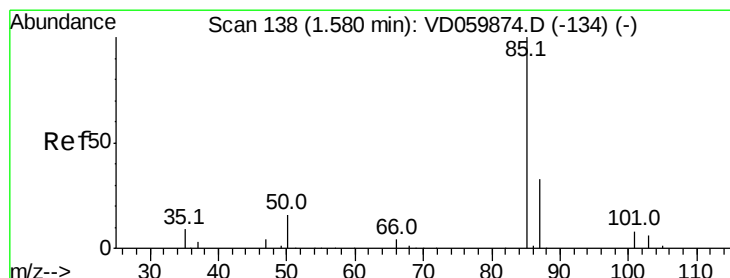
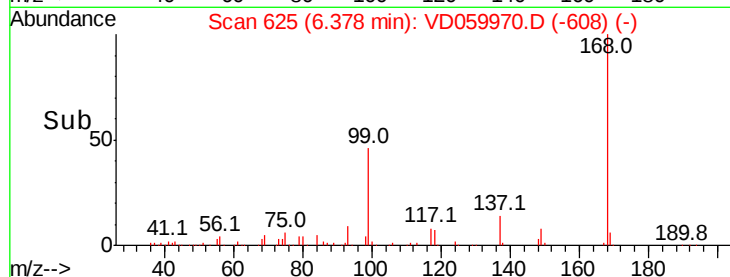
200000

100000

0

6.20 6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 16.503 ug/l

RT: 1.56 min Scan# 135

Delta R.T. -0.02 min

Lab File: VD059970.D

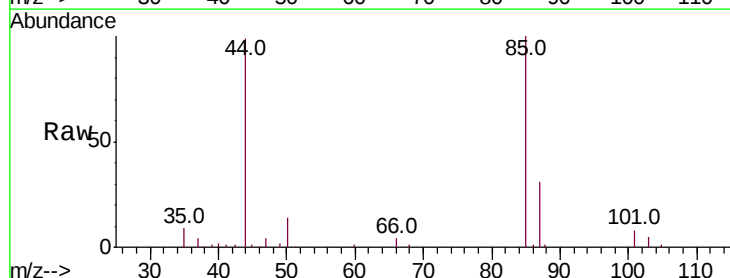
Acq: 5 Sep 2018 15:39

Tgt Ion: 85 Resp: 170831

Ion Ratio Lower Upper

85 100

87 31.0 16.8 50.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.56

80000

60000

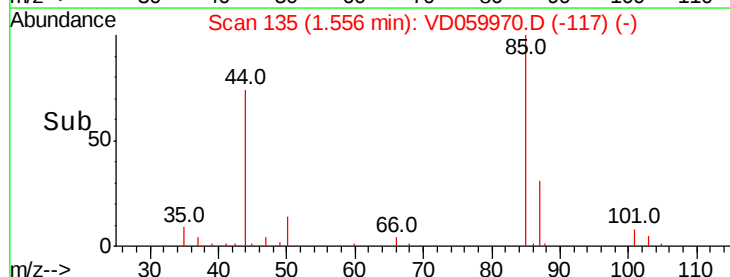
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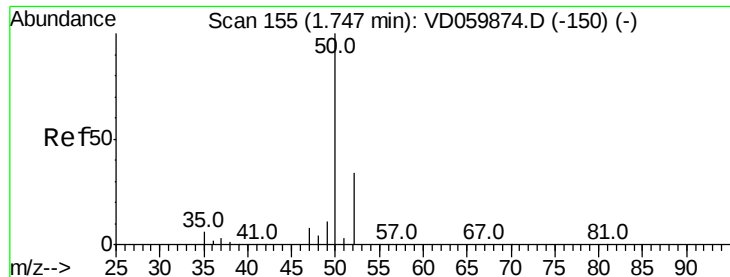
20000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 15.323 ug/l

RT: 1.72 min Scan# 152

Delta R.T. -0.02 min

Lab File: VD059970.D

Acq: 5 Sep 2018 15:39

Instrument :

MSVOA_D

ClientSampleId :

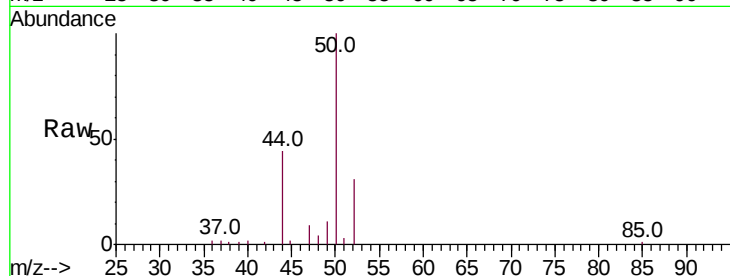
VD0905SBSD01

Tot Ion: 50 Resp: 143689

Ion Ratio Lower Upper

50 100

52 31.0 27.0 40.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.72

60000

50000

40000

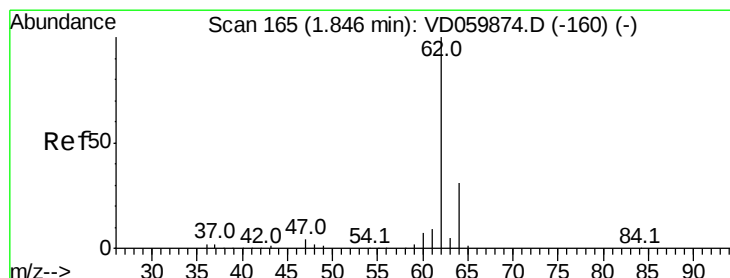
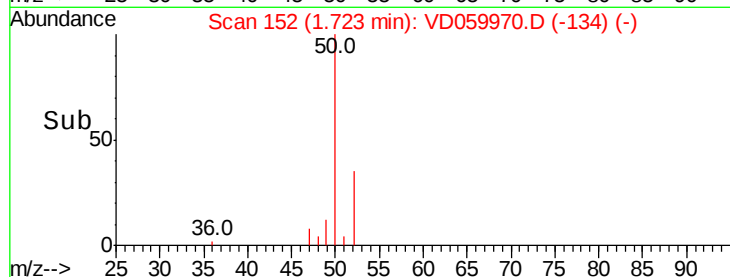
30000

20000

10000

0

Time-->



#4

Vinyl Chloride

Concen: 16.258 ug/l

RT: 1.82 min Scan# 162

Delta R.T. -0.02 min

Lab File: VD059970.D

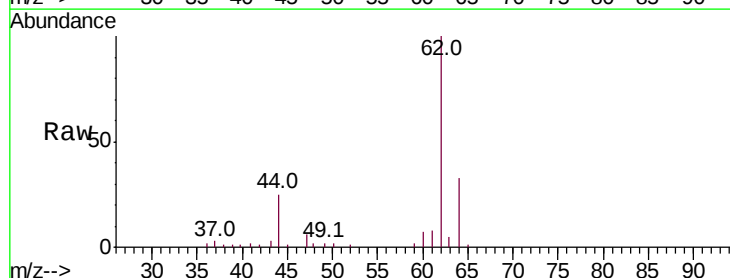
Acq: 5 Sep 2018 15:39

Tgt Ion: 62 Resp: 119545

Ion Ratio Lower Upper

62 100

64 32.6 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

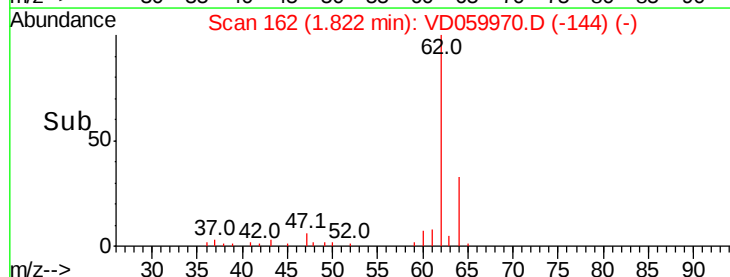
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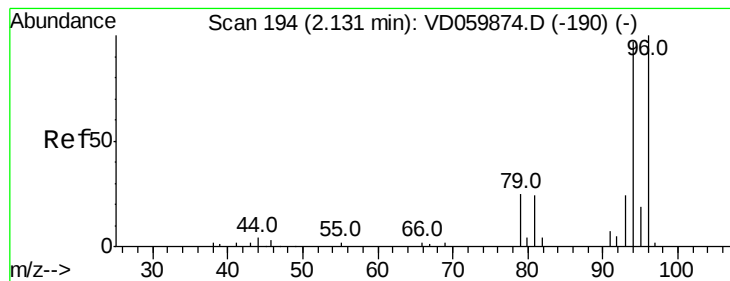
40000

20000

0

Time-->





#5

Bromomethane

Concen: 8.252 ug/l

RT: 2.11 min Scan# 191

Delta R.T. -0.02 min

Lab File: VD059970.D

Acq: 5 Sep 2018 15:39

Instrument :

MSVOA_D

ClientSampleId :

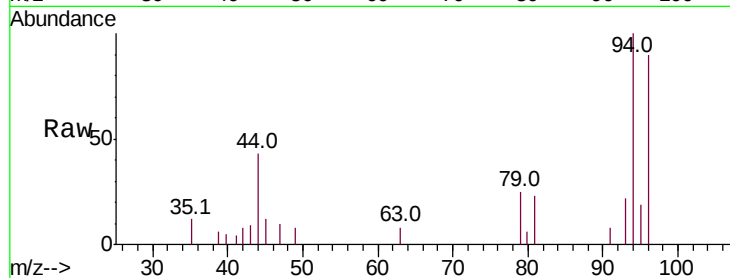
VD0905SBS01

Tot Ion: 94 Resp: 10476

Ion Ratio Lower Upper

94 100

96 89.7 82.4 123.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.11

8000

6000

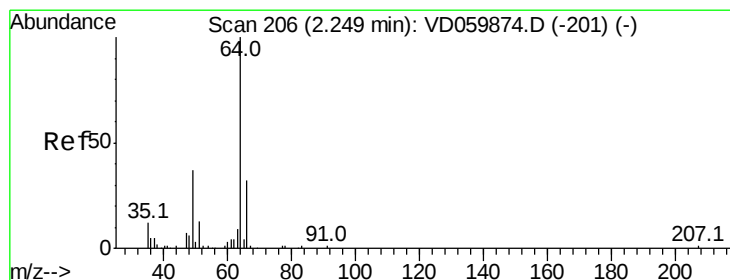
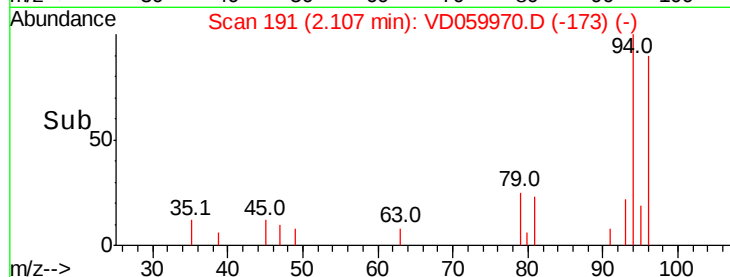
4000

2000

0

Time-->

2.05 2.10 2.15



#6

Chloroethane

Concen: 11.641 ug/l

RT: 2.21 min Scan# 201

Delta R.T. -0.04 min

Lab File: VD059970.D

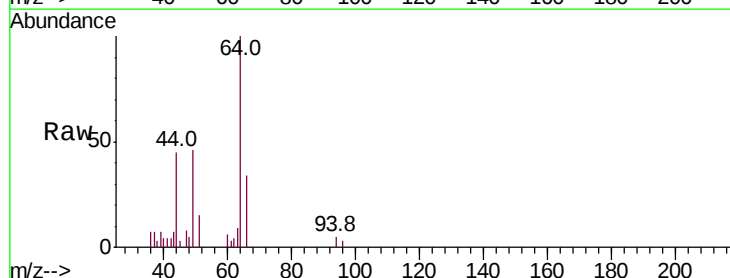
Acq: 5 Sep 2018 15:39

Tgt Ion: 64 Resp: 30979

Ion Ratio Lower Upper

64 100

66 34.0 25.3 37.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.21

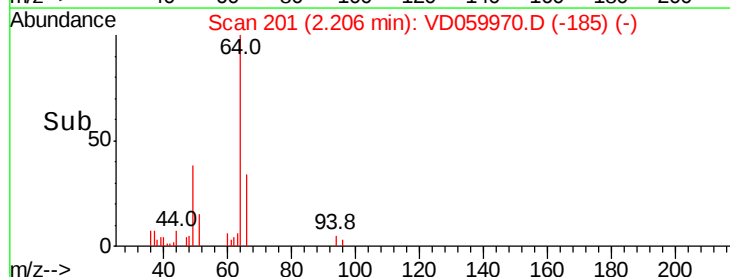
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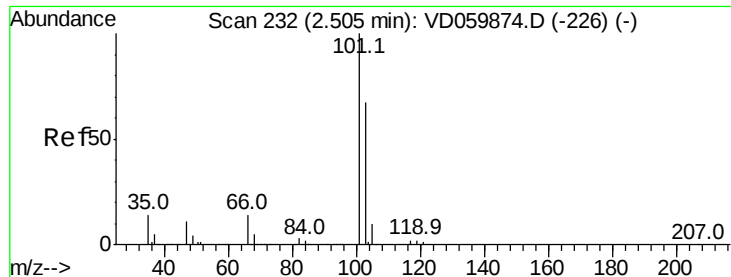
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Time-->

2.10 2.20 2.30 2.40



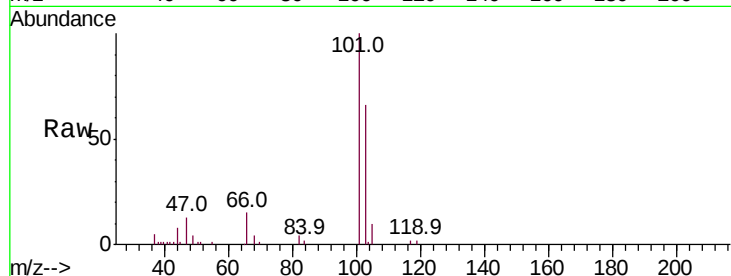


#7

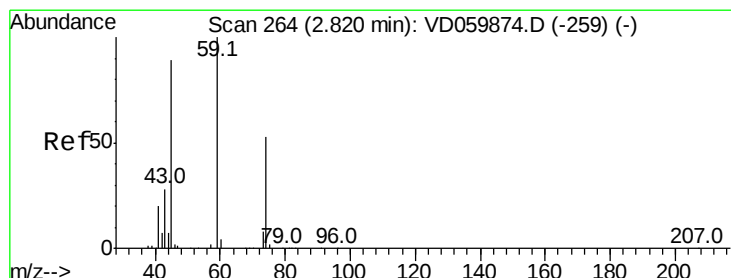
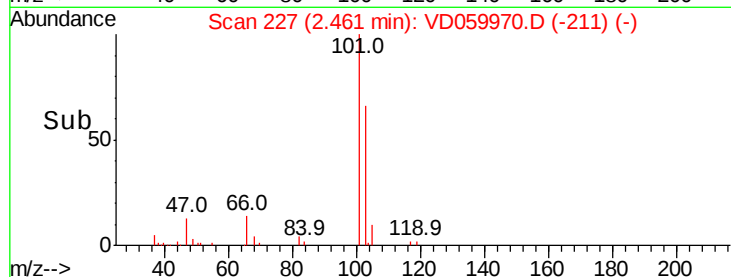
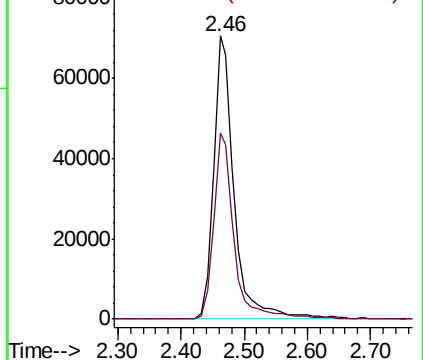
Trichlorofluoromethane
Concen: 18.992 ug/l
RT: 2.46 min Scan# 227
Delta R.T. -0.04 min
Lab File: VD059970.D
Acq: 5 Sep 2018 15:39

Instrument :
MSVOA_D
ClientSampleId :
VD0905SBSD01

Tot Ion:101 Resp: 161548
Ion Ratio Lower Upper
101 100
103 65.8 53.7 80.5



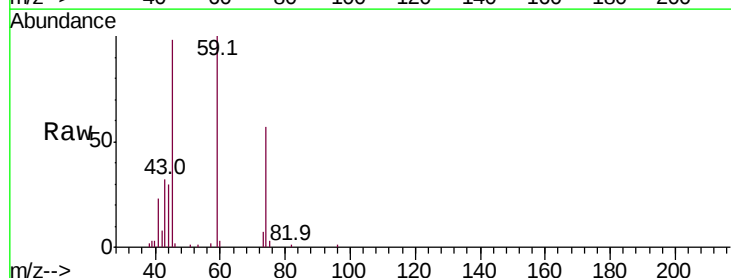
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



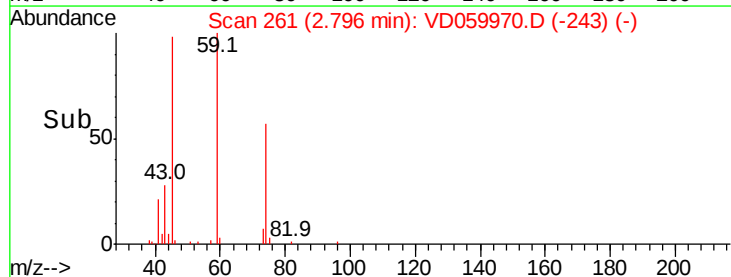
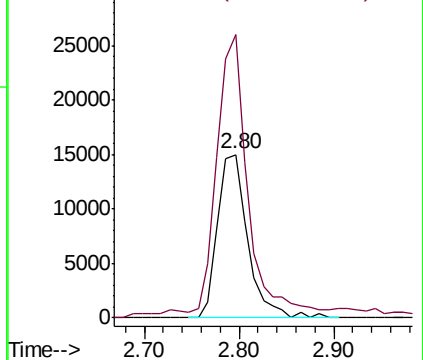
#8

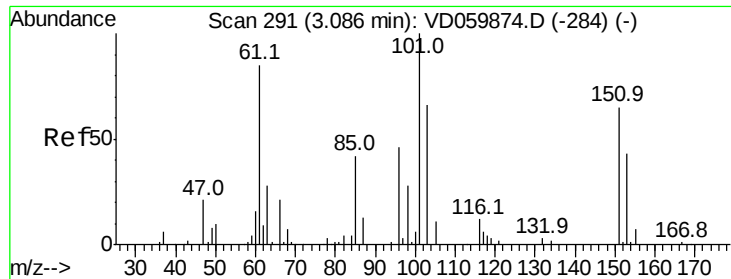
Diethyl Ether
Concen: 17.380 ug/l
RT: 2.80 min Scan# 261
Delta R.T. -0.02 min
Lab File: VD059970.D
Acq: 5 Sep 2018 15:39

Tgt Ion: 74 Resp: 33167
Ion Ratio Lower Upper
74 100
45 172.9 85.7 257.1



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

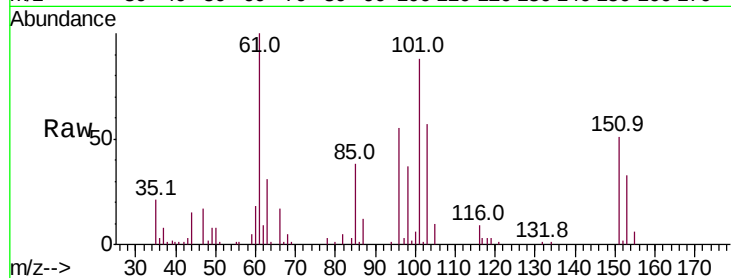




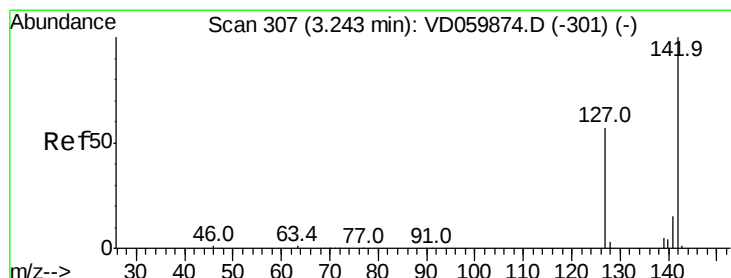
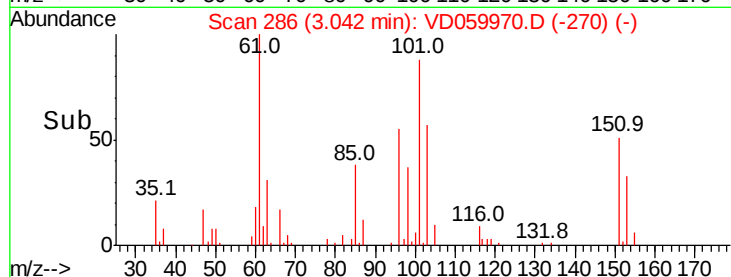
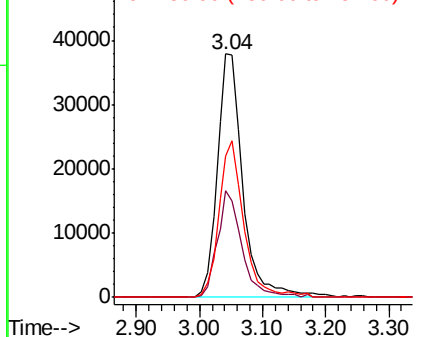
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.657 ug/l
 RT: 3.04 min Scan# 286
 Delta R.T. -0.04 min
 Lab File: VD059970.D
 Acq: 5 Sep 2018 15:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0905SBSD01

Tot Ion:101 Resp: 107609
 Ion Ratio Lower Upper
 101 100
 85 43.6 33.6 50.4
 151 57.9 52.0 78.0

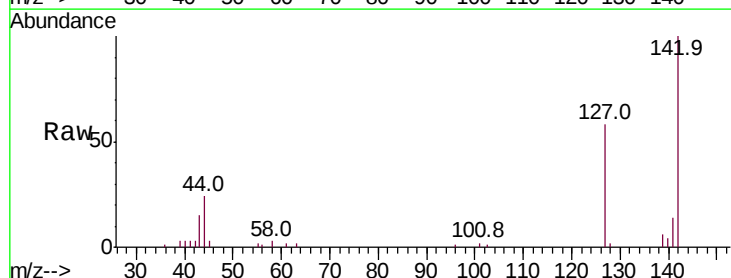


Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 84.95 (84.65 to 85.65): V
 Ion 150.90 (150.60 to 151.60): V

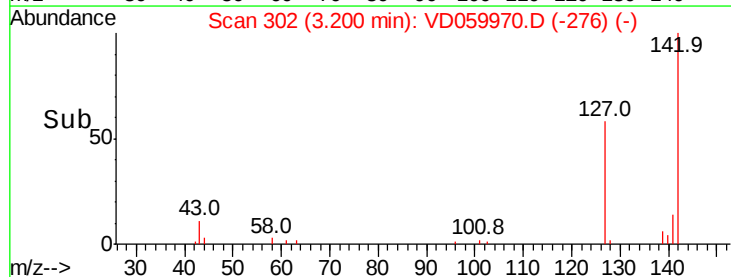
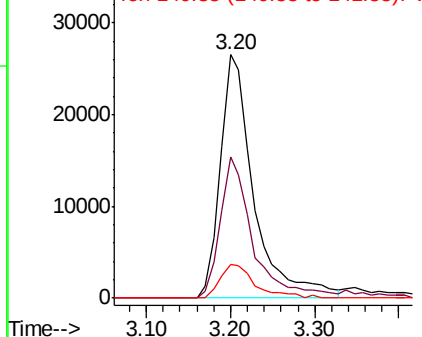


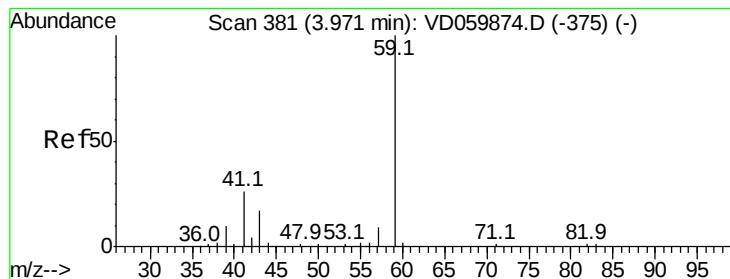
#10
 Methyl Iodide
 Concen: 15.756 ug/l
 RT: 3.20 min Scan# 302
 Delta R.T. -0.04 min
 Lab File: VD059970.D
 Acq: 5 Sep 2018 15:39

Tgt Ion:142 Resp: 73284
 Ion Ratio Lower Upper
 142 100
 127 57.8 45.8 68.6
 141 13.9 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



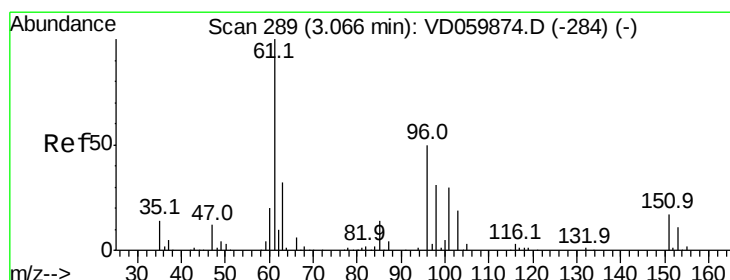
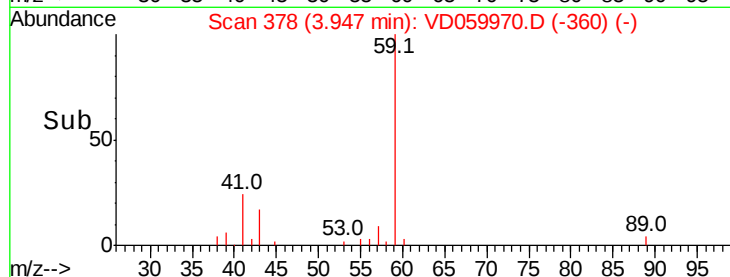
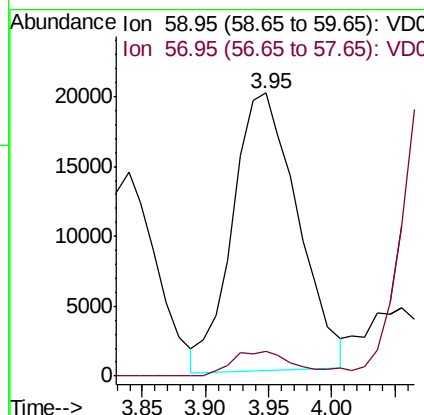
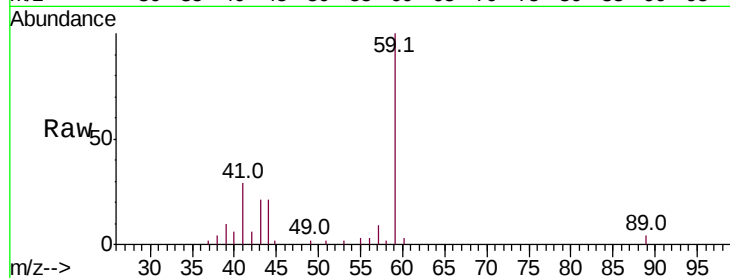


#11

Tert butyl alcohol
 Concen: 95.437 ug/l
 RT: 3.95 min Scan# 378
 Delta R.T. -0.02 min
 Lab File: VD059970.D
 Acq: 5 Sep 2018 15:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0905SBSD01

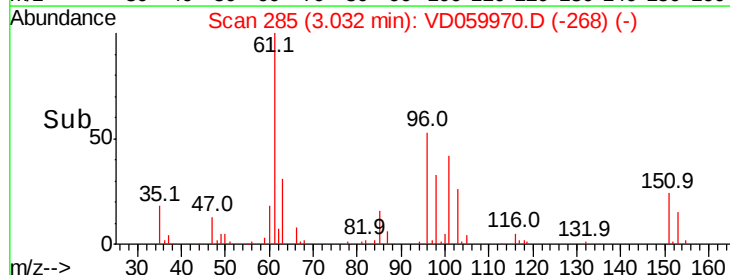
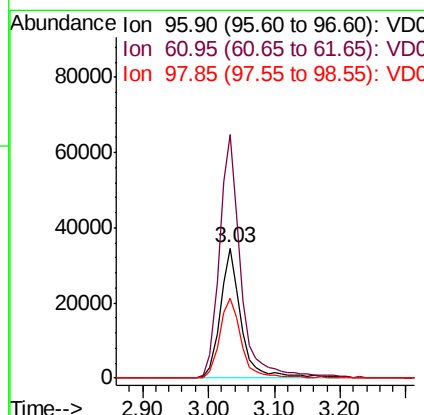
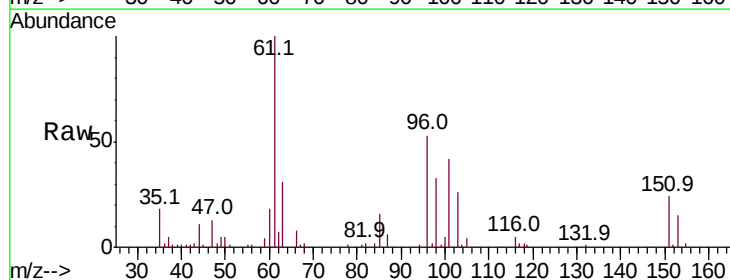
Tot Ion: 59 Resp: 71074
 Ion Ratio Lower Upper
 59 100
 57 8.6 7.4 11.0

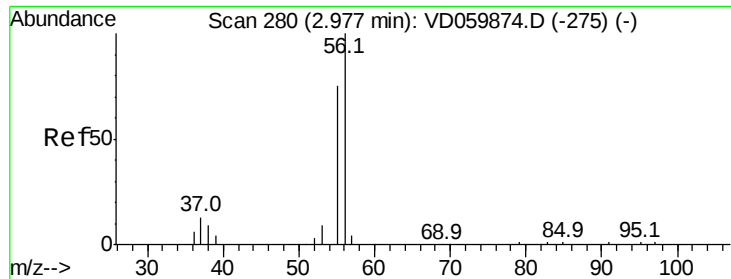


#12

1,1-Dichloroethene
 Concen: 18.699 ug/l
 RT: 3.03 min Scan# 285
 Delta R.T. -0.03 min
 Lab File: VD059970.D
 Acq: 5 Sep 2018 15:39

Tgt Ion: 96 Resp: 75832
 Ion Ratio Lower Upper
 96 100
 61 187.5 158.8 238.2
 98 61.0 48.7 73.1





#13

Acrolein

Concen: 51.838 ug/l

RT: 2.95 min Scan# 277

Delta R.T. -0.02 min

Lab File: VD059970.D

Acq: 5 Sep 2018 15:39

Instrument :

MSVOA_D

ClientSampleId :

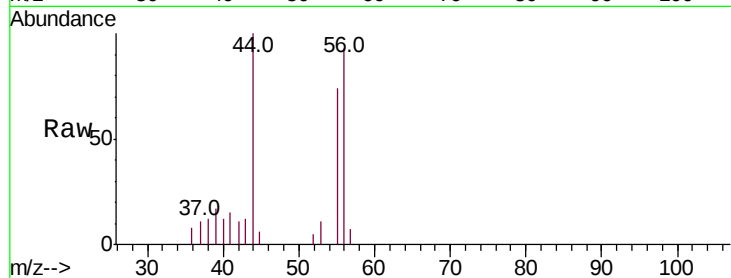
VD0905SBSD01

Tot Ion: 56 Resp: 16744

Ion Ratio Lower Upper

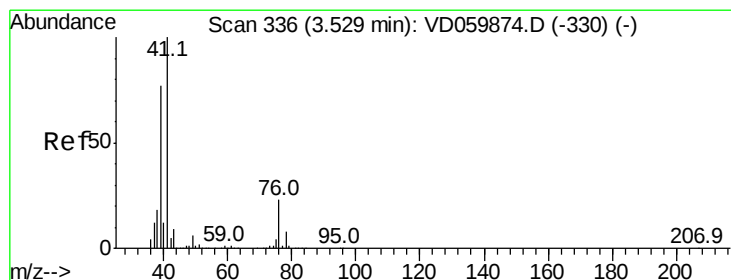
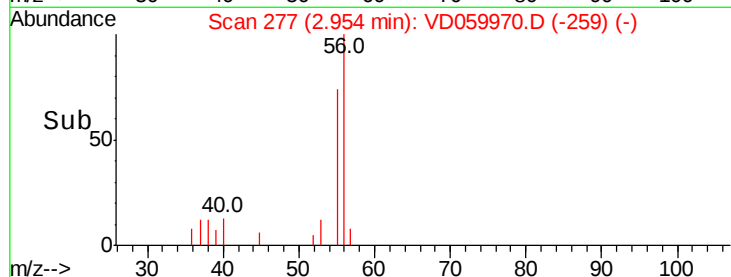
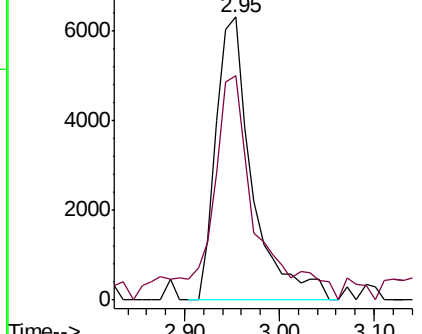
56 100

55 79.2 61.9 92.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 18.390 ug/l

RT: 3.49 min Scan# 332

Delta R.T. -0.03 min

Lab File: VD059970.D

Acq: 5 Sep 2018 15:39

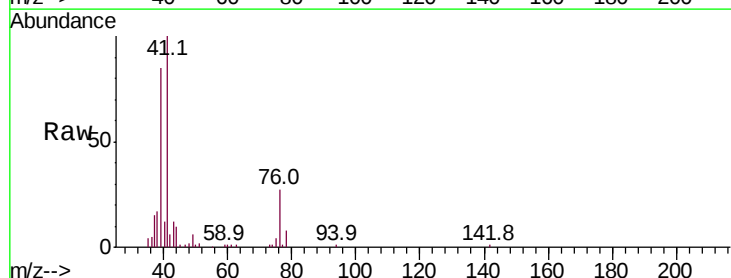
Tgt Ion: 41 Resp: 168718

Ion Ratio Lower Upper

41 100

39 85.1 61.8 92.6

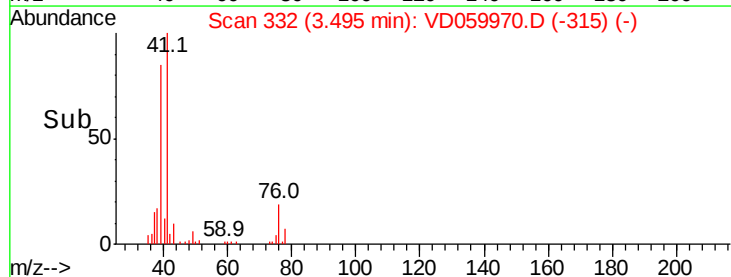
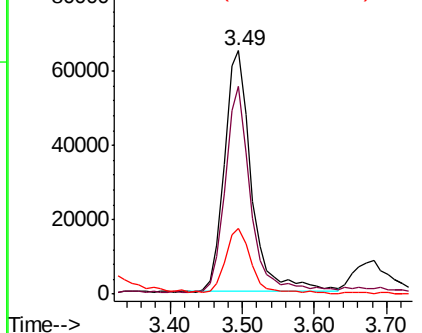
76 26.9 19.4 29.2

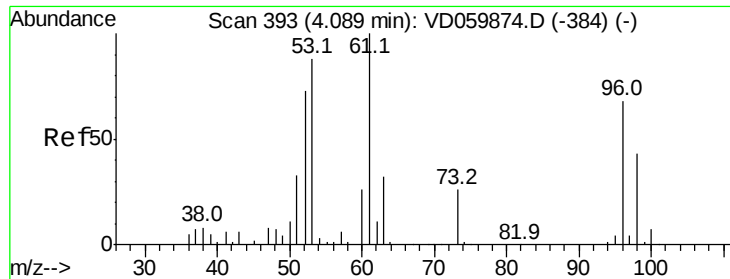


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 100.638 ug/l

RT: 4.05 min Scan# 388

Delta R.T. -0.04 min

Lab File: VD059970.D

Acq: 5 Sep 2018 15:39

Instrument :

MSVOA_D

ClientSampleId :

VD0905SBSD01

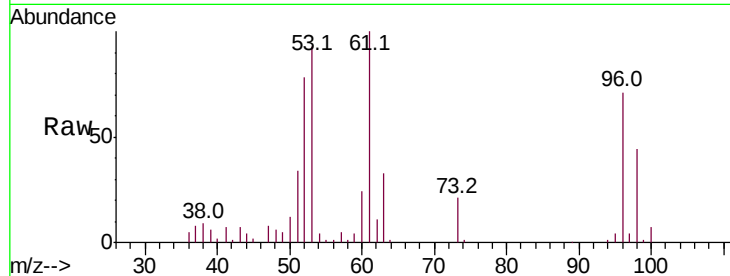
Tot Ion: 53 Resp: 280660

Ion Ratio Lower Upper

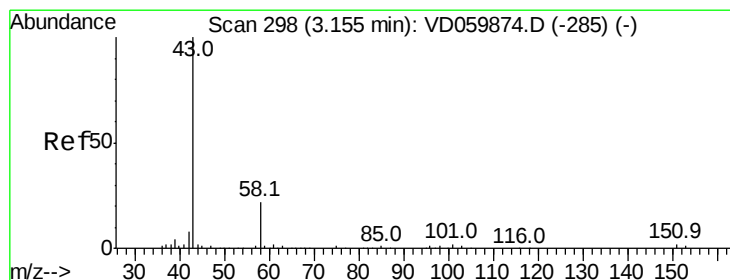
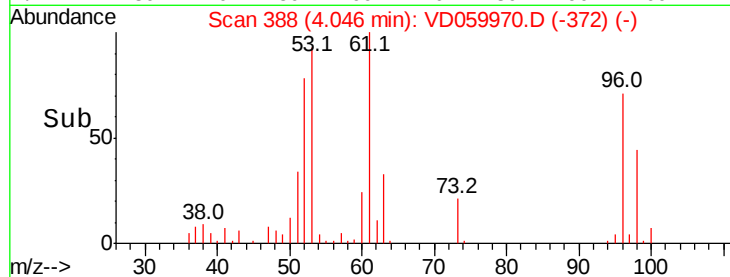
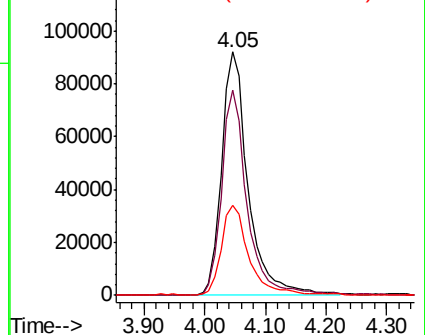
53 100

52 84.4 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: 84.151 ug/l

RT: 3.13 min Scan# 295

Delta R.T. -0.02 min

Lab File: VD059970.D

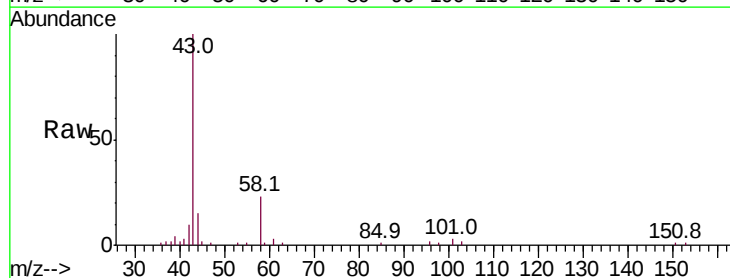
Acq: 5 Sep 2018 15:39

Tgt Ion: 43 Resp: 149637

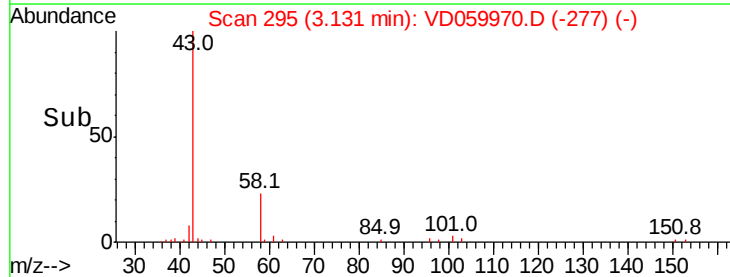
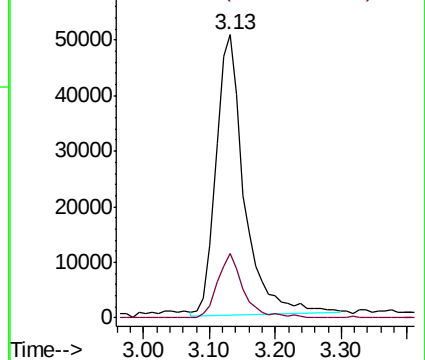
Ion Ratio Lower Upper

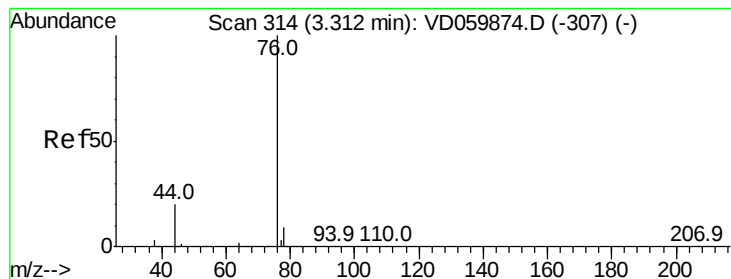
43 100

58 22.6 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: 14.067 ug/l

RT: 3.27 min Scan# 309

Delta R.T. -0.04 min

Lab File: VD059970.D

Acq: 5 Sep 2018 15:39

Instrument :

MSVOA_D

ClientSampleId :

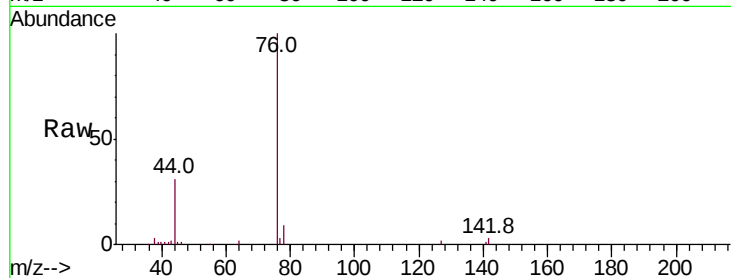
VD0905SBS01

Tot Ion: 76 Resp: 177073

Ion Ratio Lower Upper

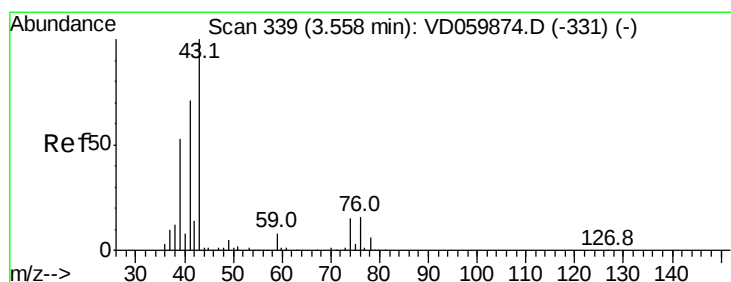
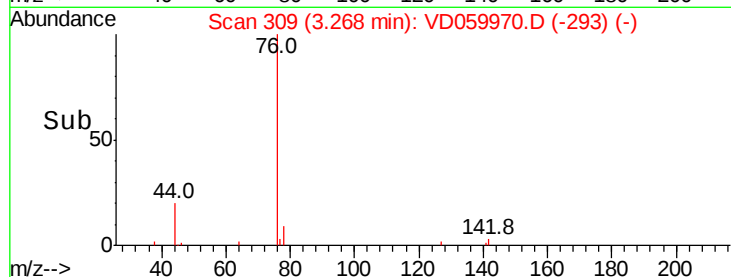
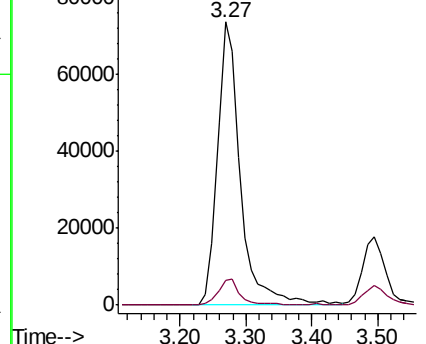
76 100

78 8.8 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: 18.093 ug/l

RT: 3.51 min Scan# 334

Delta R.T. -0.04 min

Lab File: VD059970.D

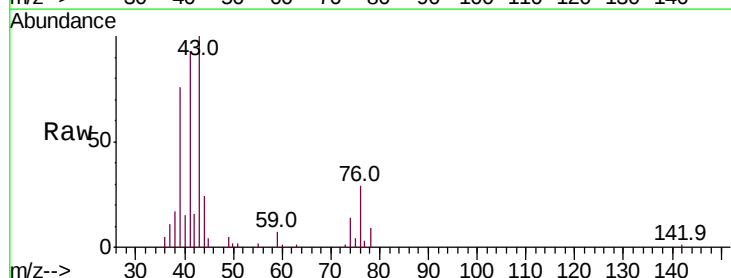
Acq: 5 Sep 2018 15:39

Tgt Ion: 43 Resp: 67164

Ion Ratio Lower Upper

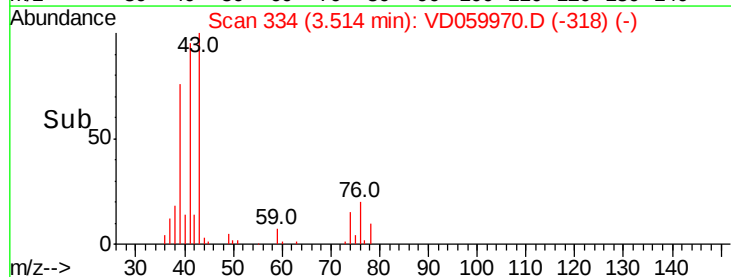
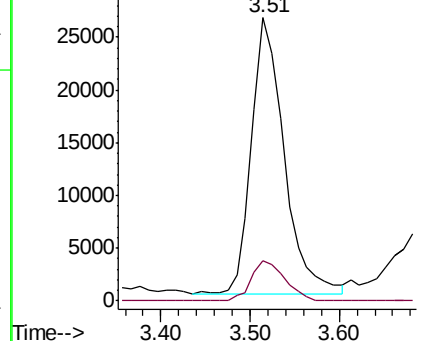
43 100

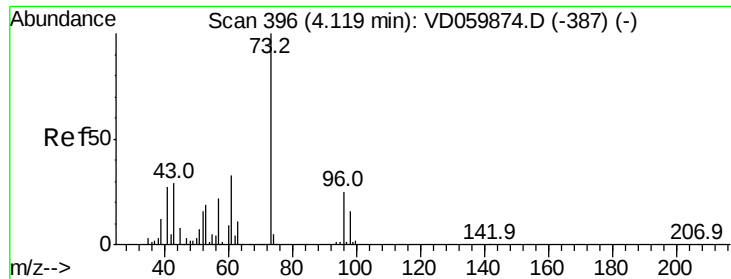
74 14.2 11.2 16.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

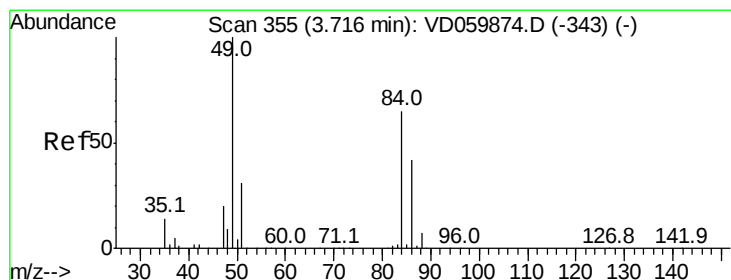
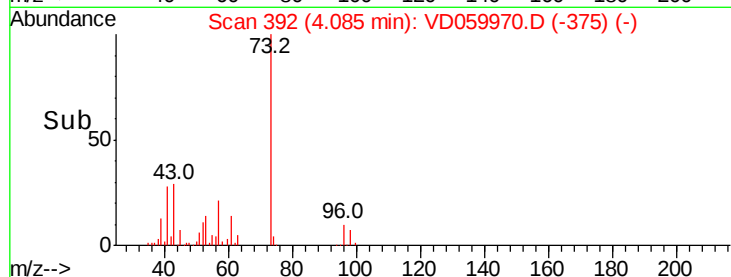
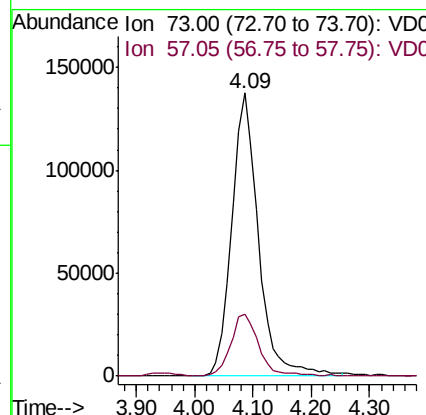
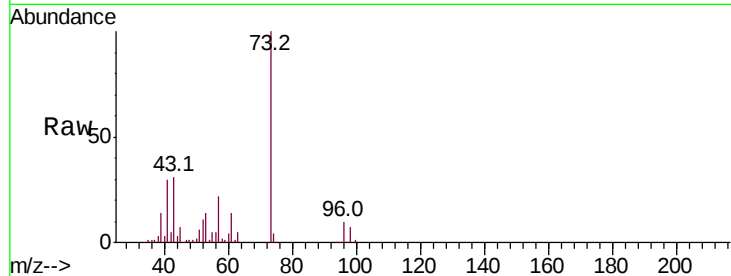




#19
Methyl tert-butyl Ether
Concen: 19.141 ug/l
RT: 4.09 min Scan# 392
Delta R.T. -0.03 min
Lab File: VD059970.D
Acq: 5 Sep 2018 15:39

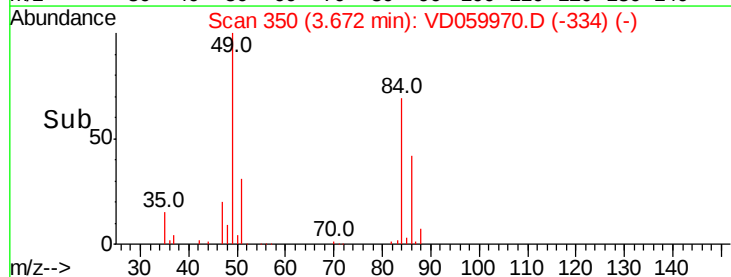
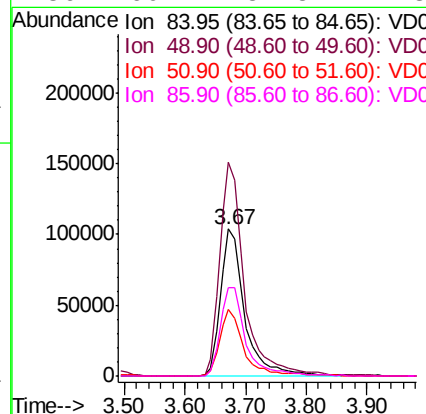
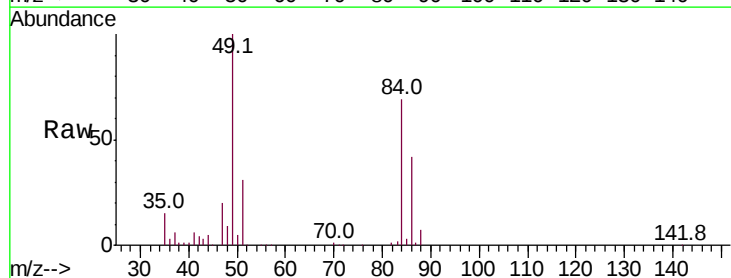
Instrument :
MSVOA_D
ClientSampleId :
VD0905SBSD01

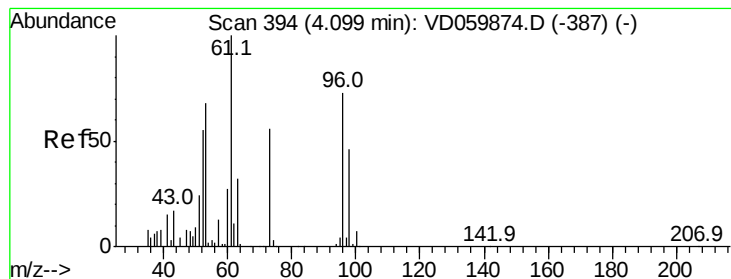
Tot Ion: 73 Resp: 439130
Ion Ratio Lower Upper
73 100
57 22.0 17.9 26.9



#20
Methylene Chloride
Concen: 22.190 ug/l
RT: 3.67 min Scan# 350
Delta R.T. -0.04 min
Lab File: VD059970.D
Acq: 5 Sep 2018 15:39

Tgt Ion: 84 Resp: 287932
Ion Ratio Lower Upper
84 100
49 145.7 122.6 183.8
51 45.8 38.4 57.6
86 60.7 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 18.424 ug/l

RT: 4.06 min Scan# 389

Delta R.T. -0.04 min

Lab File: VD059970.D

Acq: 5 Sep 2018 15:39

Instrument :

MSVOA_D

ClientSampleId :

VD0905SBSD01

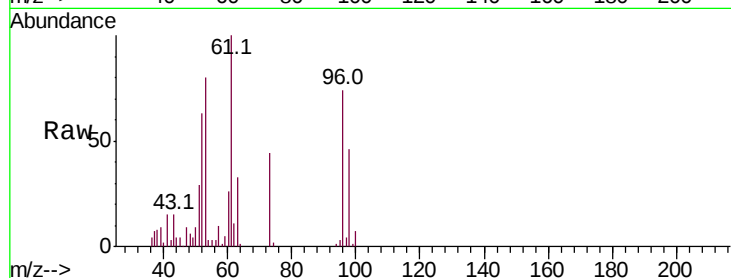
Tot Ion: 96 Resp: 205866

Ion Ratio Lower Upper

96 100

61 135.5 110.2 165.4

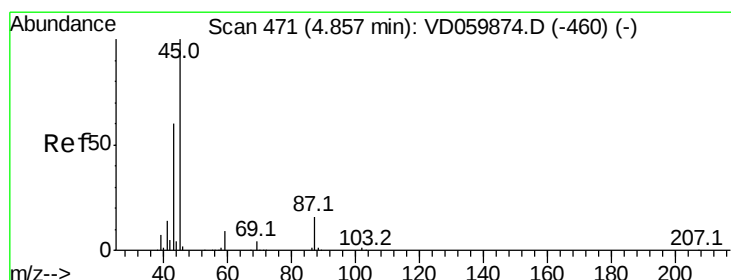
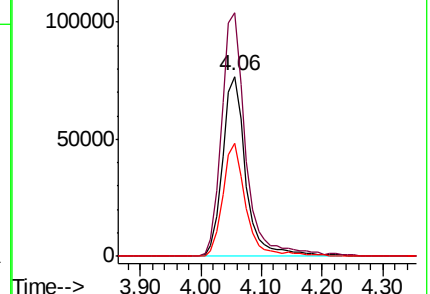
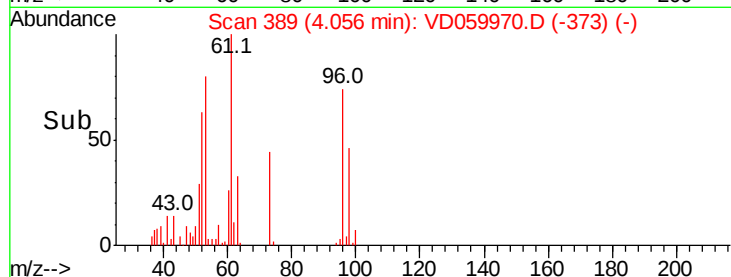
98 62.6 50.9 76.3



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: 19.700 ug/l

RT: 4.82 min Scan# 467

Delta R.T. -0.03 min

Lab File: VD059970.D

Acq: 5 Sep 2018 15:39

Tgt Ion: 45 Resp: 921787

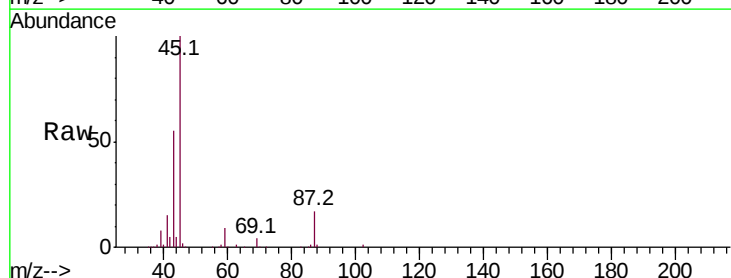
Ion Ratio Lower Upper

45 100

43 55.3 48.6 72.8

87 16.7 13.3 19.9

59 8.9 7.1 10.7

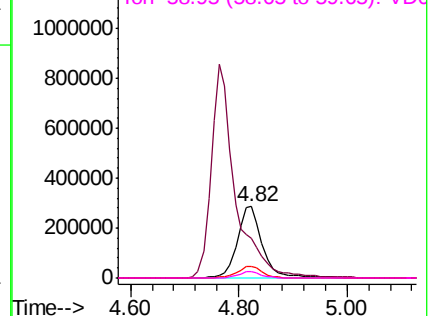
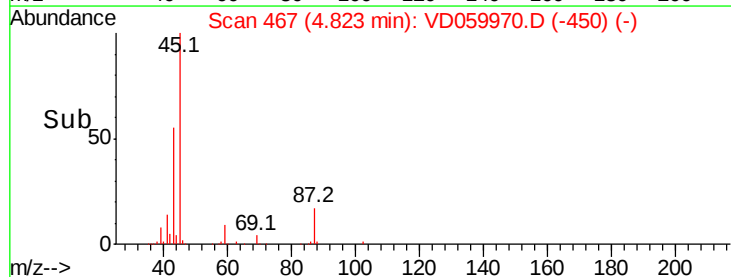


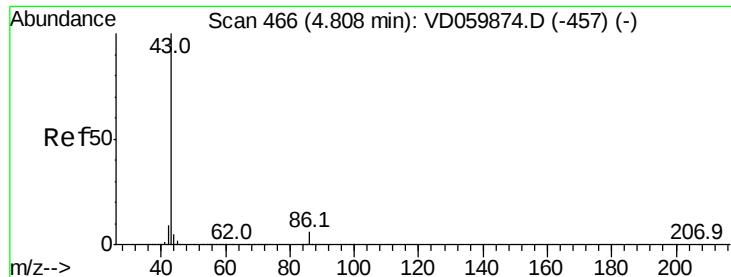
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 101.052 ug/l

RT: 4.76 min Scan# 461

Delta R.T. -0.04 min

Lab File: VD059970.D

Acq: 5 Sep 2018 15:39

Instrument :

MSVOA_D

ClientSampleId :

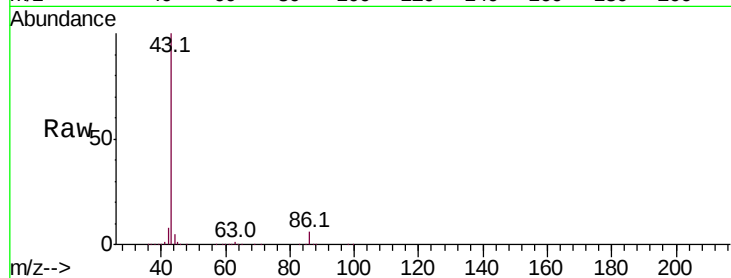
VD0905SBS01

Tot Ion: 43 Resp: 2643164

Ion Ratio Lower Upper

43 100

86 6.2 5.0 7.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

1000000

800000

600000

400000

200000

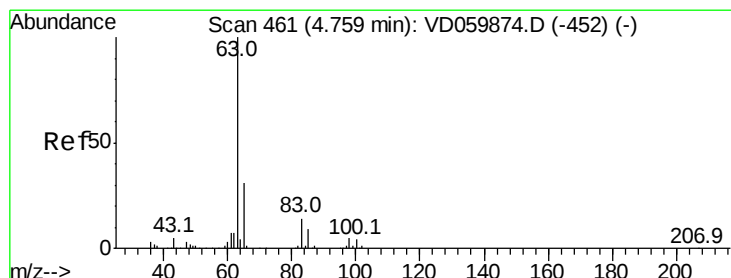
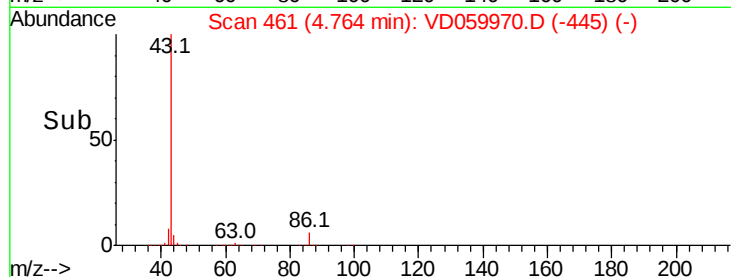
0

4.60

4.80

5.00

Time-->



#24

1,1-Dichloroethane

Concen: 19.737 ug/l

RT: 4.72 min Scan# 456

Delta R.T. -0.04 min

Lab File: VD059970.D

Acq: 5 Sep 2018 15:39

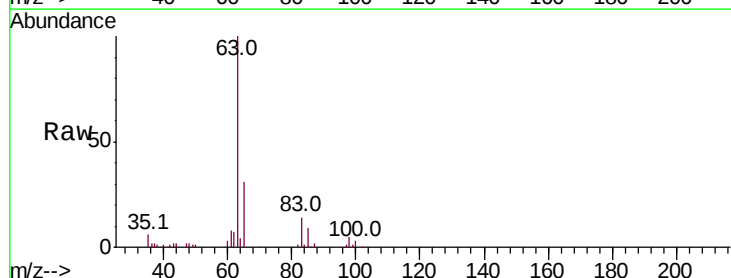
Tgt Ion: 63 Resp: 398958

Ion Ratio Lower Upper

63 100

98 5.2 2.7 8.1

100 3.2 1.8 5.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

150000

100000

50000

0

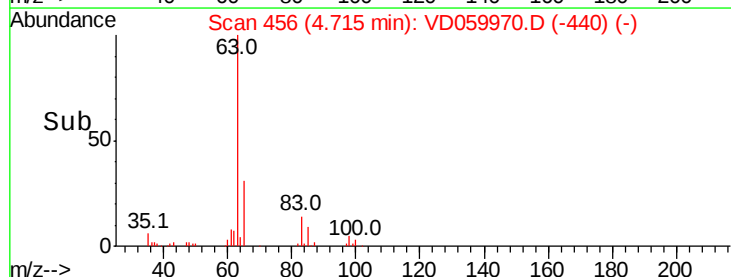
4.60

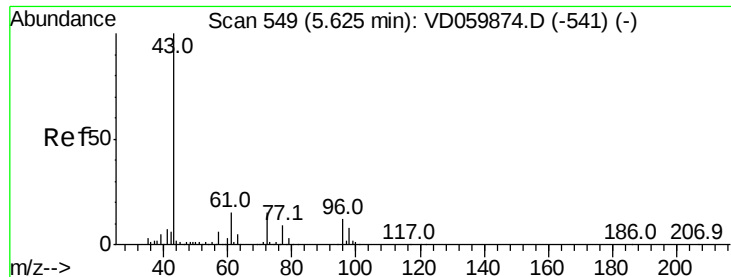
4.70

4.80

4.90

Time-->





#25

2-Butanone

Concen: 87.848 ug/l

RT: 5.59 min Scan# 545

Delta R.T. -0.03 min

Lab File: VD059970.D

Acq: 5 Sep 2018 15:39

Instrument :

MSVOA_D

ClientSampleId :

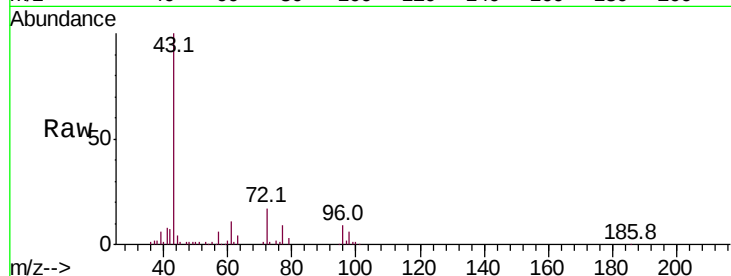
VD0905SBSD01

Tot Ion: 43 Resp: 462647

Ion Ratio Lower Upper

43 100

72 17.1 12.3 18.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

200000

150000

100000

50000

0

5.59

5.40

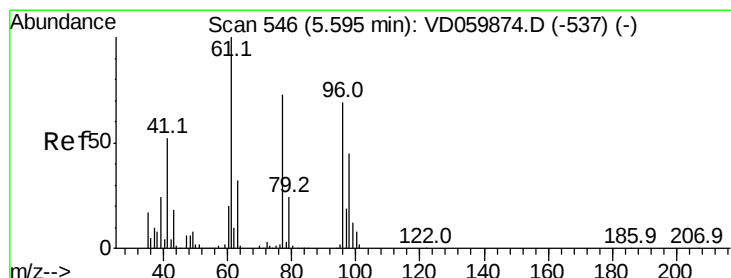
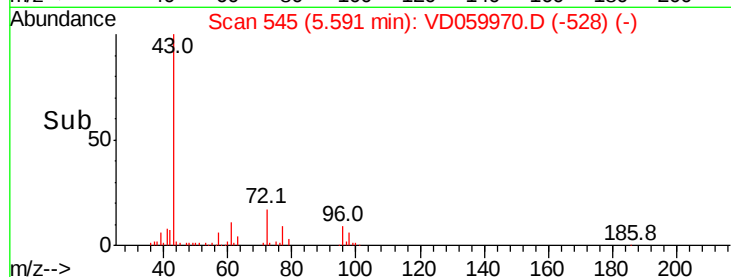
5.50

5.60

5.70

5.80

Time-->



#26

2,2-Dichloropropane

Concen: 19.551 ug/l

RT: 5.55 min Scan# 541

Delta R.T. -0.04 min

Lab File: VD059970.D

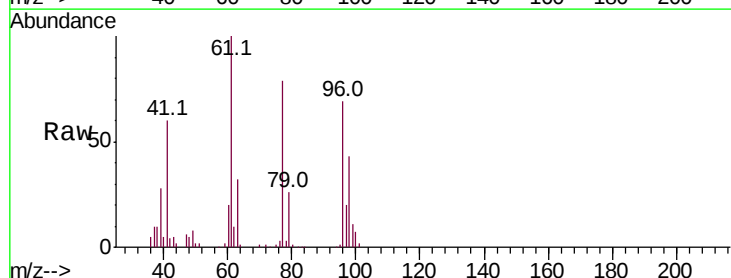
Acq: 5 Sep 2018 15:39

Tgt Ion: 77 Resp: 330378

Ion Ratio Lower Upper

77 100

97 25.2 13.0 38.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

120000

100000

80000

60000

40000

20000

0

5.55

5.40

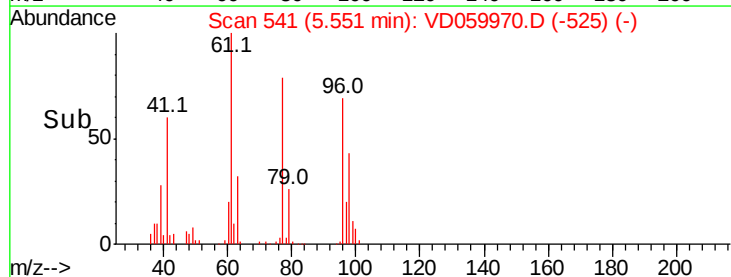
5.50

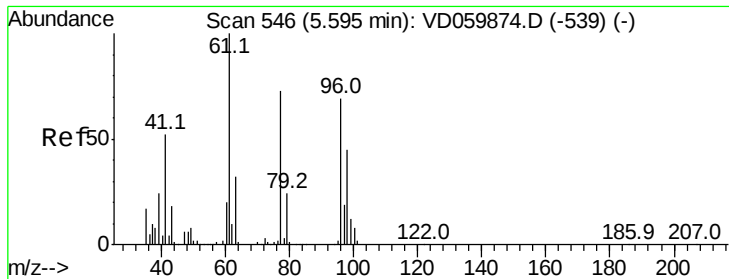
5.60

5.70

5.80

Time-->



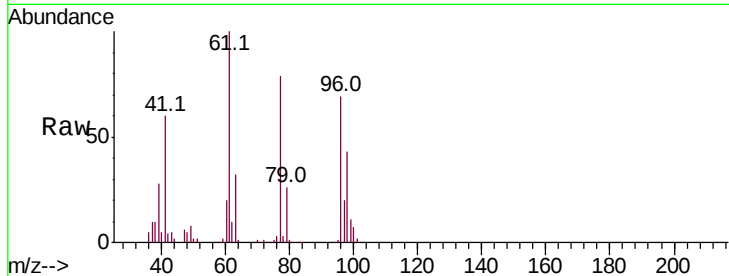


#27

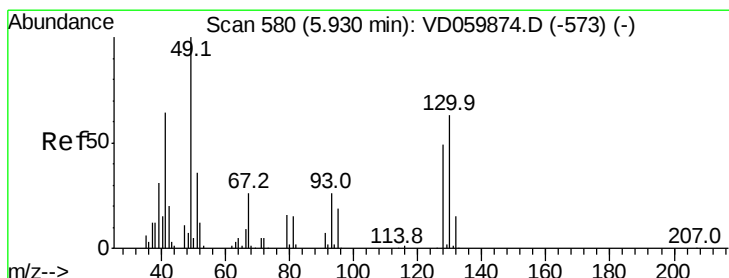
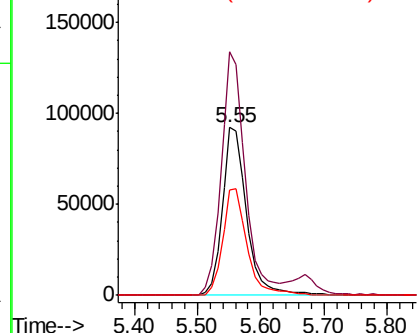
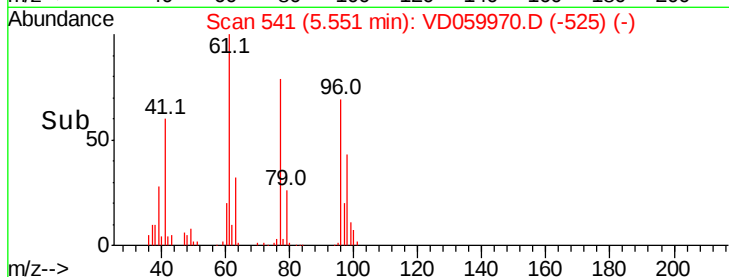
cis-1,2-Dichloroethene
 Concen: 20.279 ug/l
 RT: 5.55 min Scan# 541
 Delta R.T. -0.04 min
 Lab File: VD059970.D
 Acq: 5 Sep 2018 15:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0905SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.0	0.0	290.2
98	62.8	0.0	130.4



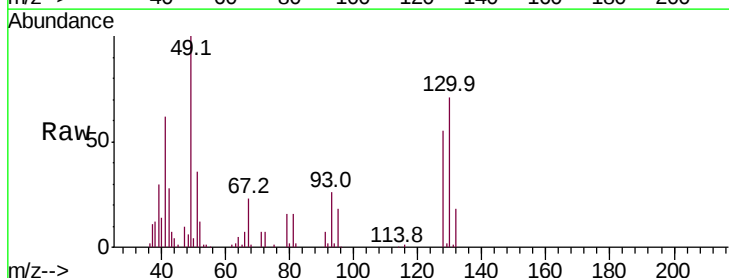
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



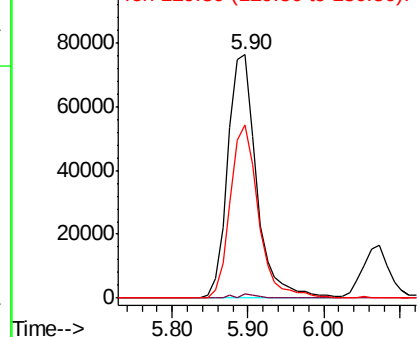
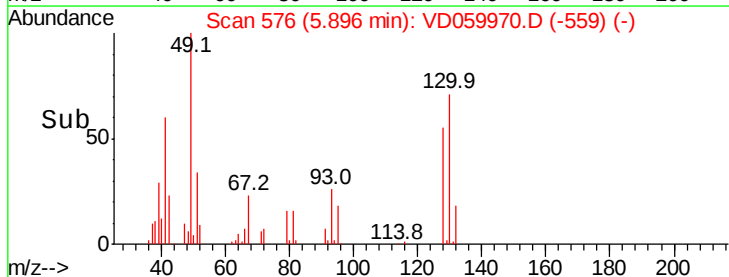
#28

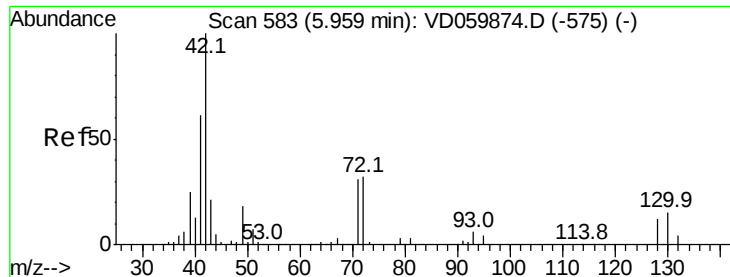
Bromochloromethane
 Concen: 20.801 ug/l
 RT: 5.90 min Scan# 576
 Delta R.T. -0.03 min
 Lab File: VD059970.D
 Acq: 5 Sep 2018 15:39

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.2
130	71.1	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: 100.420 ug/l

RT: 5.93 min Scan# 579

Delta R.T. -0.03 min

Lab File: VD059970.D

Acq: 5 Sep 2018 15:39

Instrument :

MSVOA_D

ClientSampleId :

VD0905SBS01

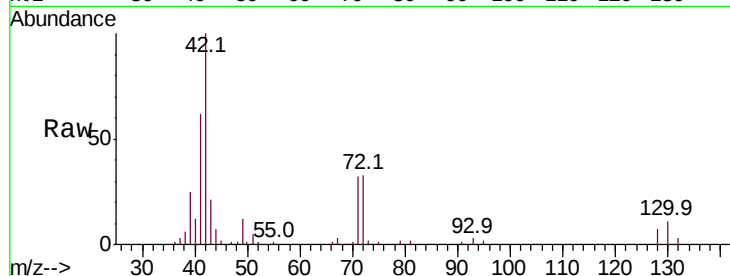
Tot Ion: 42 Resp: 251776

Ion Ratio Lower Upper

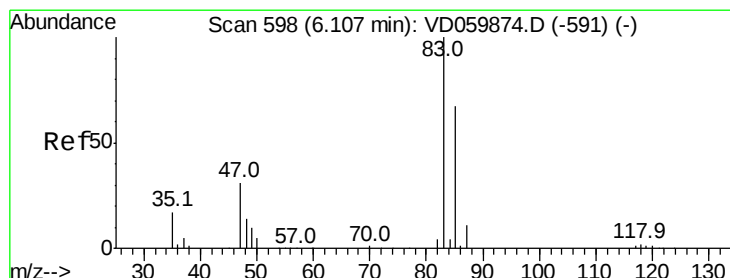
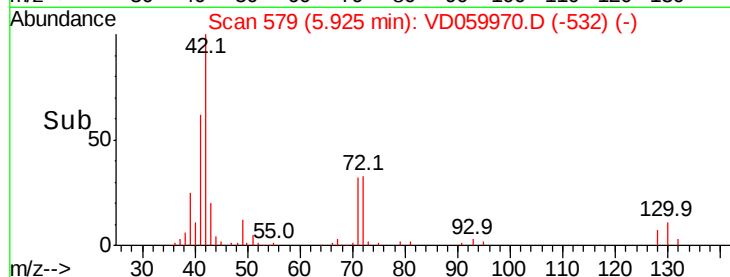
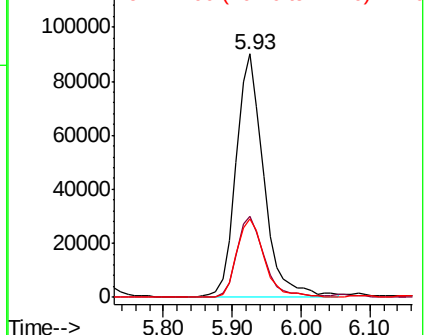
42 100

72 33.1 25.7 38.5

71 32.0 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: 20.359 ug/l

RT: 6.07 min Scan# 594

Delta R.T. -0.03 min

Lab File: VD059970.D

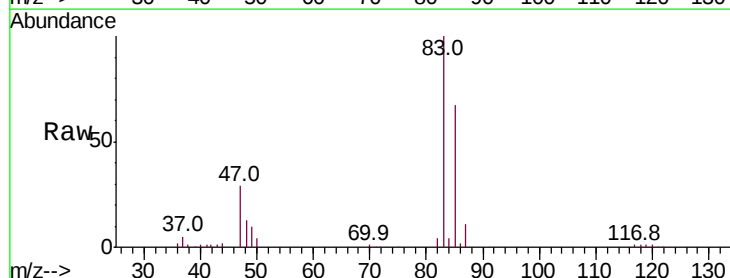
Acq: 5 Sep 2018 15:39

Tgt Ion: 83 Resp: 418247

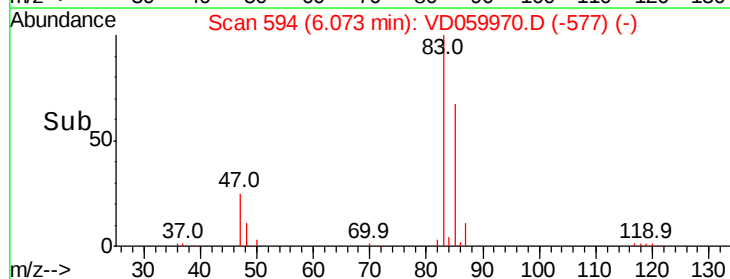
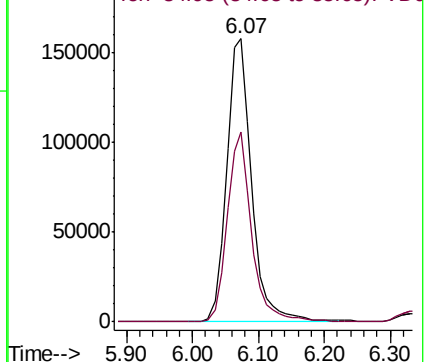
Ion Ratio Lower Upper

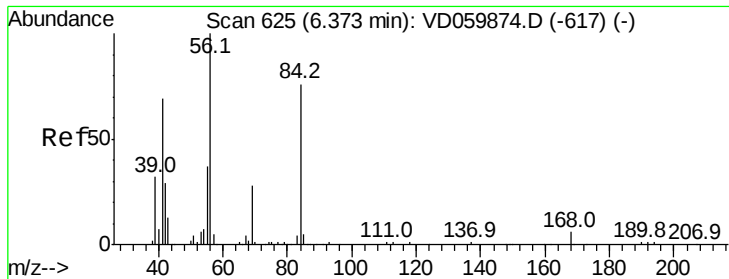
83 100

85 67.2 53.5 80.3



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





#31

Cyclohexane

Concen: 16.965 ug/l

RT: 6.33 min Scan# 620

Delta R.T. -0.04 min

Lab File: VD059970.D

Acq: 5 Sep 2018 15:39

Instrument :
MSVOA_D
ClientSampleId :
VD0905SBSD01

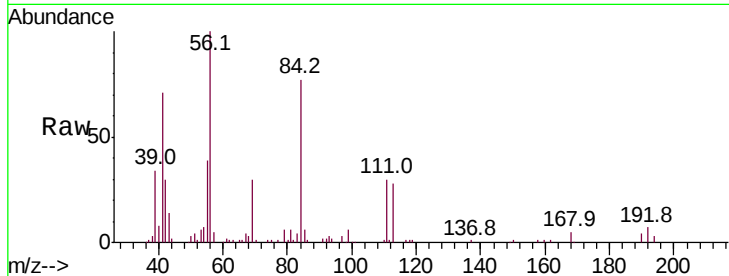
Tot Ion: 56 Resp: 315278

Ion Ratio Lower Upper

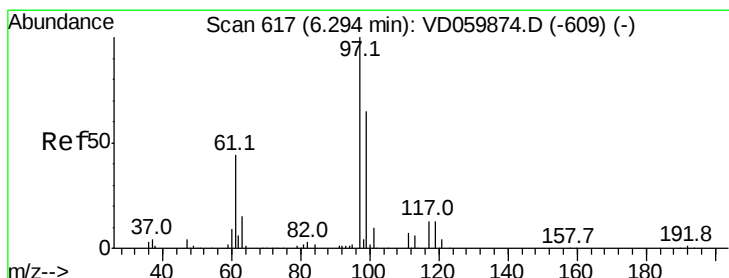
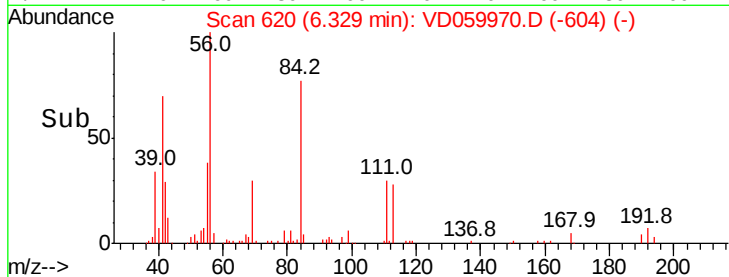
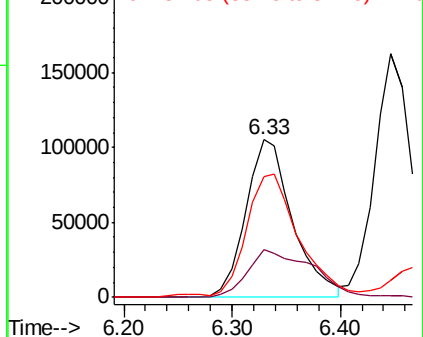
56 100

69 30.1 22.4 33.6

84 76.7 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: 18.574 ug/l

RT: 6.26 min Scan# 613

Delta R.T. -0.03 min

Lab File: VD059970.D

Acq: 5 Sep 2018 15:39

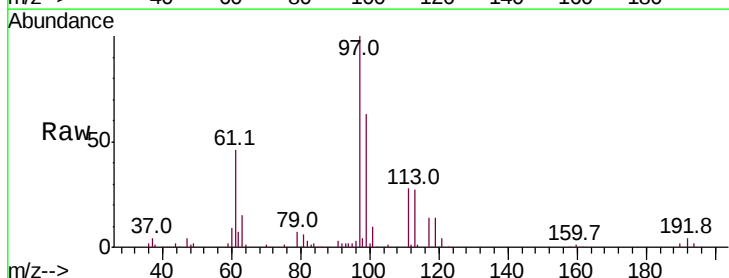
Tgt Ion: 97 Resp: 323847

Ion Ratio Lower Upper

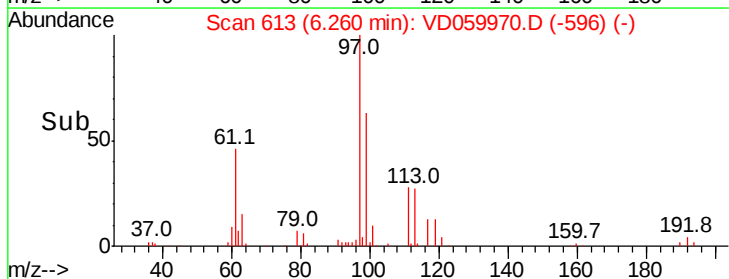
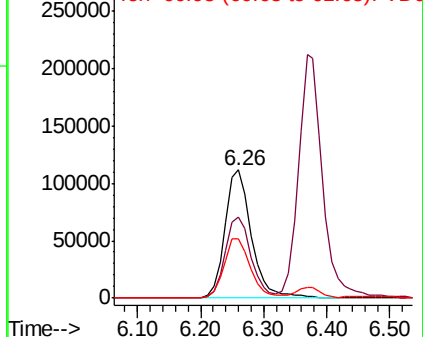
97 100

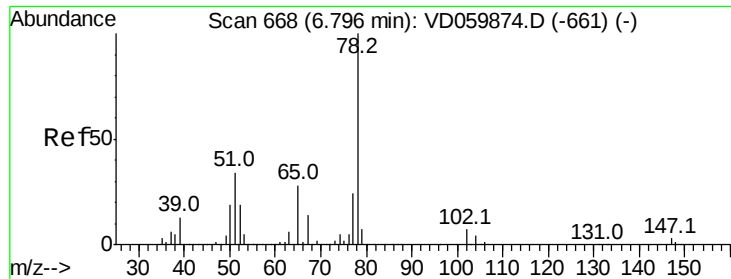
99 63.4 51.7 77.5

61 46.1 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

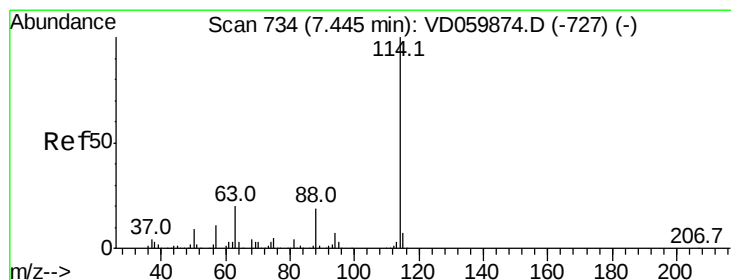
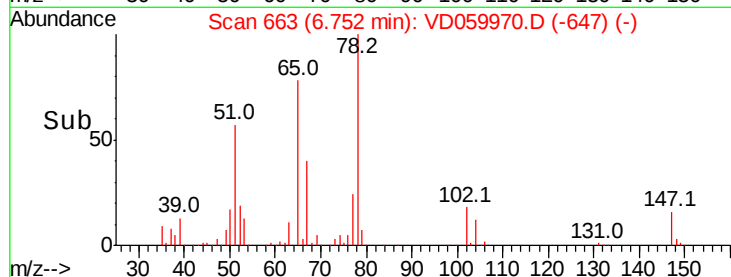
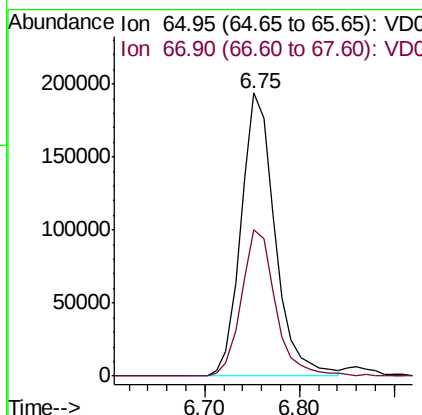
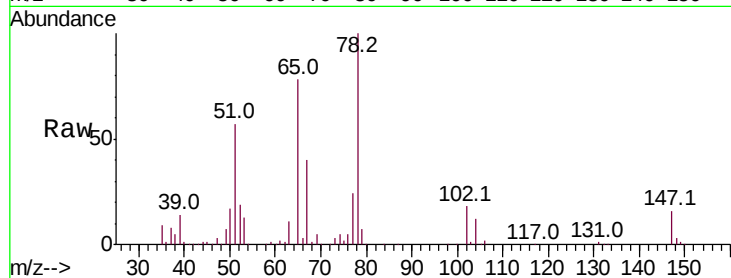




#33
 1,2-Dichloroethane-d4
 Concen: 18.574 ug/l
 RT: 6.75 min Scan# 663
 Delta R.T. -0.04 min
 Lab File: VD059970.D
 Acq: 5 Sep 2018 15:39

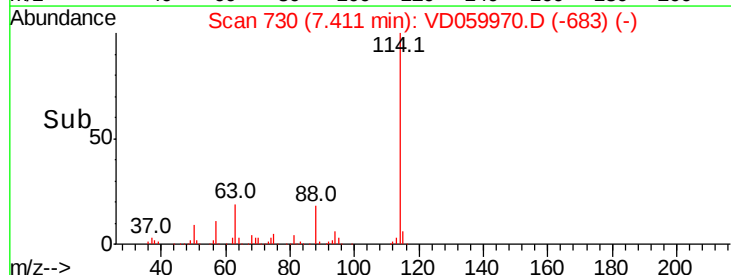
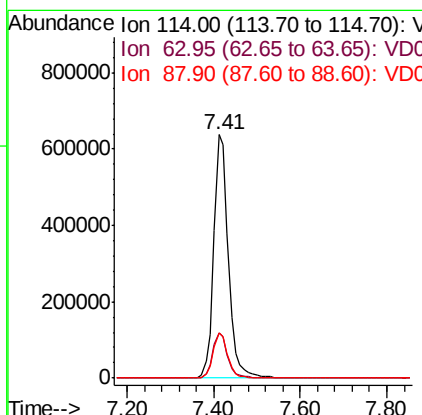
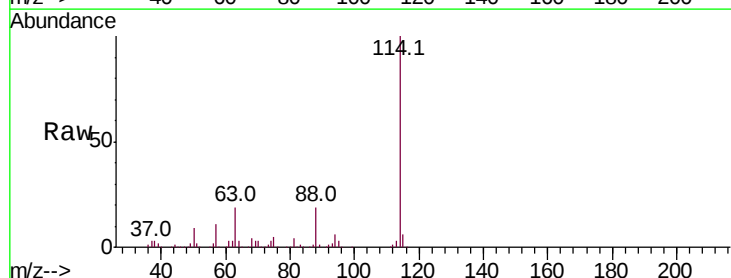
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0905SBS01

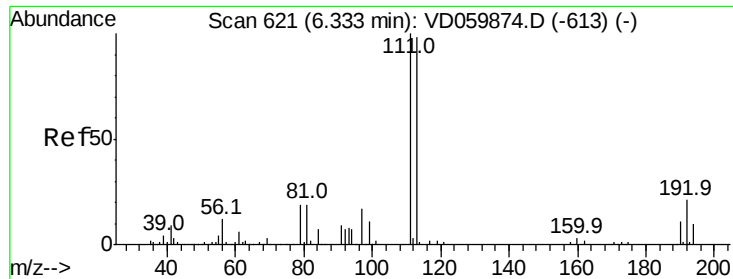
Tot Ion: 65 Resp: 482118
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.41 min Scan# 730
 Delta R.T. -0.03 min
 Lab File: VD059970.D
 Acq: 5 Sep 2018 15:39

Tgt Ion:114 Resp: 1494621
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 39.4
 88 18.6 0.0 37.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.29 min Scan# 616

Delta R.T. -0.04 min

Lab File: VD059970.D

Acq: 5 Sep 2018 15:39

Instrument :

MSVOA_D

ClientSampleId :

VD0905SBSD01

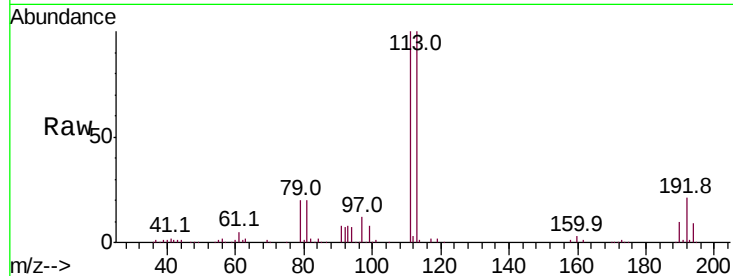
Tot Ion:113 Resp: 633219

Ion Ratio Lower Upper

113 100

111 100.1 81.4 122.2

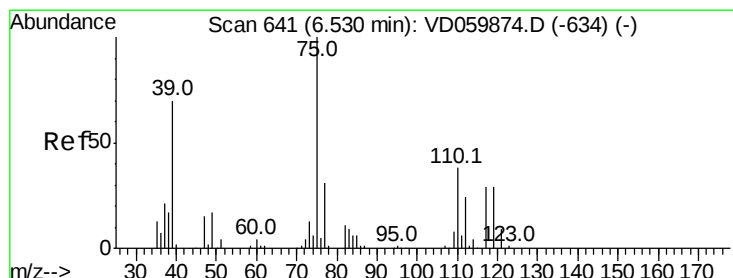
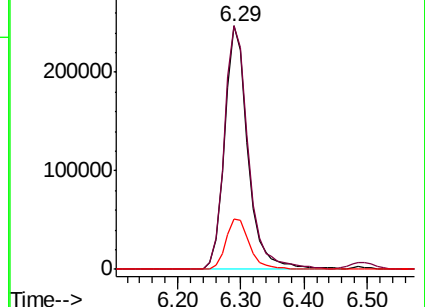
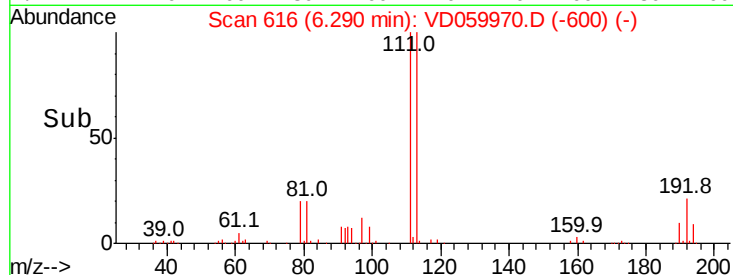
192 20.7 17.0 25.6



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: 21.306 ug/l

RT: 6.49 min Scan# 636

Delta R.T. -0.04 min

Lab File: VD059970.D

Acq: 5 Sep 2018 15:39

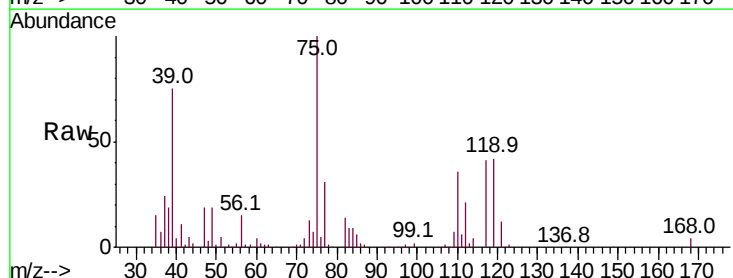
Tgt Ion: 75 Resp: 288668

Ion Ratio Lower Upper

75 100

110 35.6 18.6 56.0

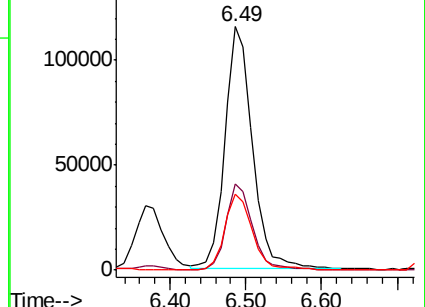
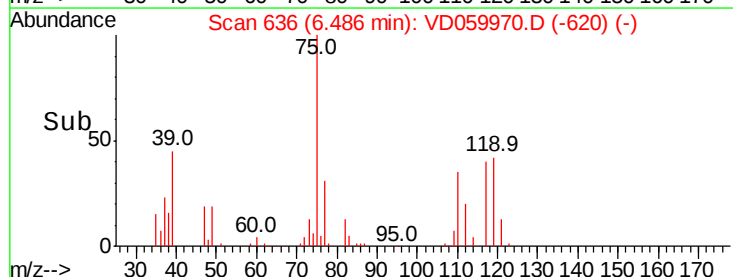
77 31.3 25.1 37.7

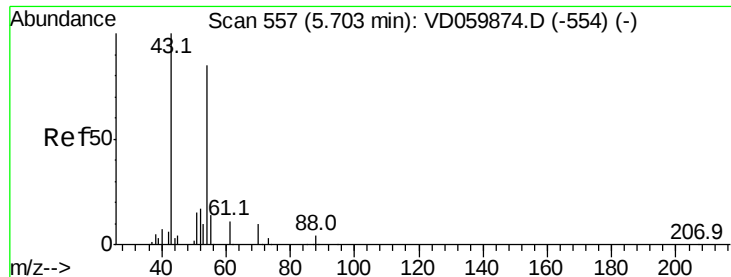


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

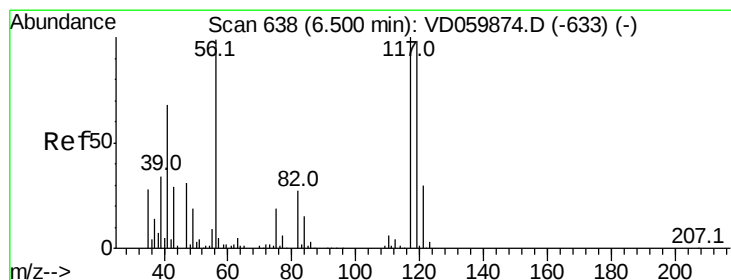
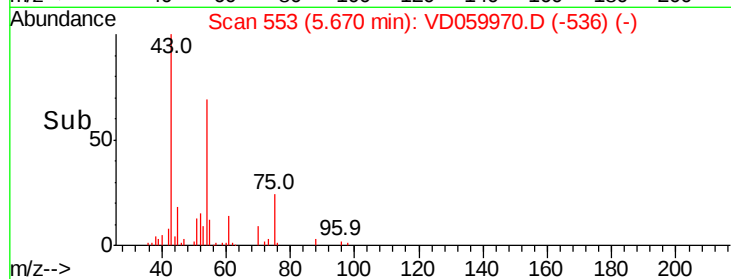
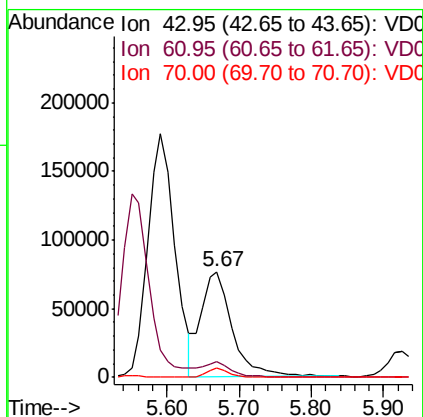
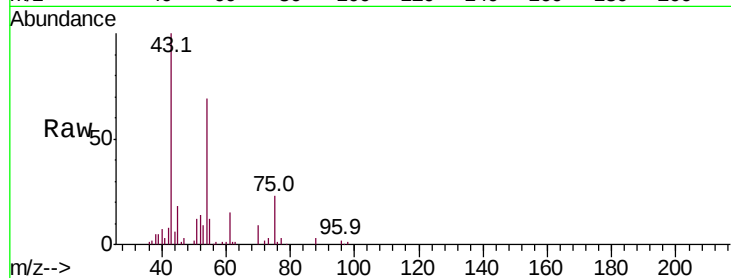




#37
Ethyl Acetate
Concen: 21.320 ug/l
RT: 5.67 min Scan# 553
Delta R.T. -0.03 min
Lab File: VD059970.D
Acq: 5 Sep 2018 15:39

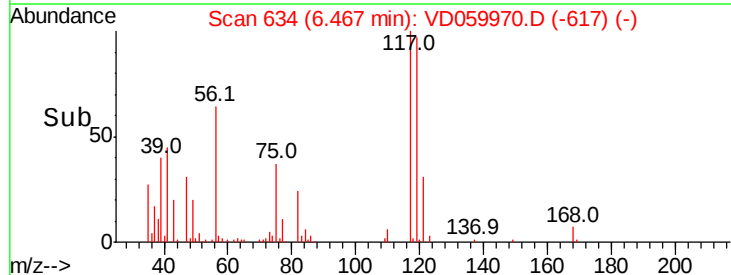
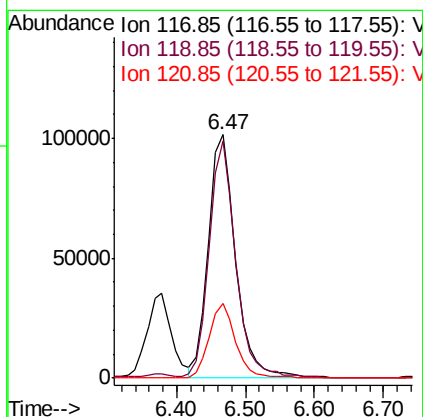
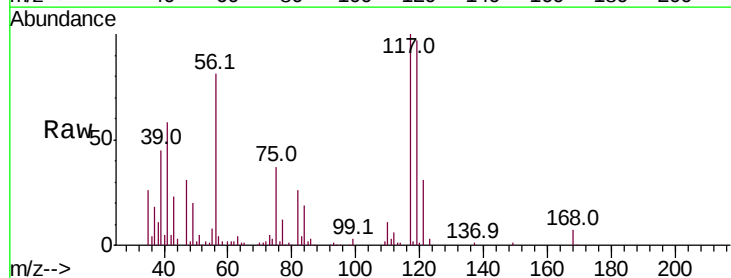
Instrument :
MSVOA_D
ClientSampleId :
VD0905SBSD01

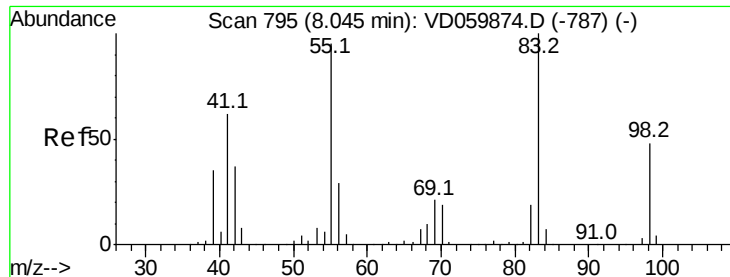
Tot Ion: 43 Resp: 224783
Ion Ratio Lower Upper
43 100
61 14.6 11.0 16.6
70 8.8 5.7 8.5#



#38
Carbon Tetrachloride
Concen: 20.224 ug/l
RT: 6.47 min Scan# 634
Delta R.T. -0.03 min
Lab File: VD059970.D
Acq: 5 Sep 2018 15:39

Tgt Ion: 117 Resp: 276528
Ion Ratio Lower Upper
117 100
119 97.2 77.2 115.8
121 30.8 24.0 36.0

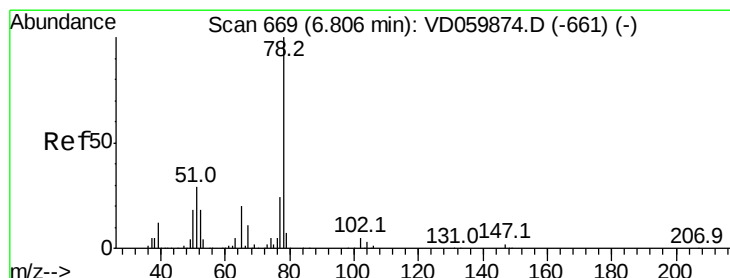
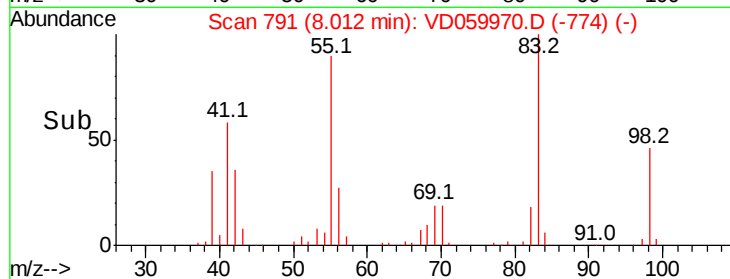
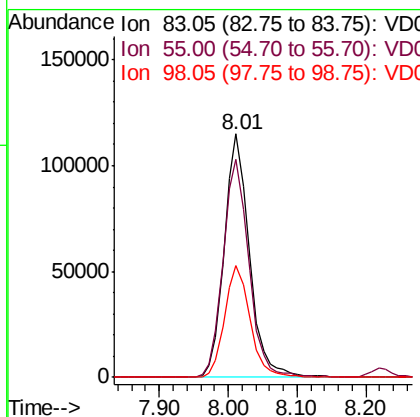
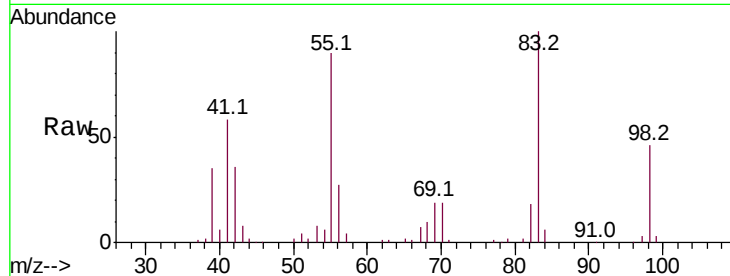




#39
Methvlcvclohexane
Concen: 19.901 ug/l
RT: 8.01 min Scan# 791
Delta R.T. -0.03 min
Lab File: VD059970.D
Acq: 5 Sep 2018 15:39

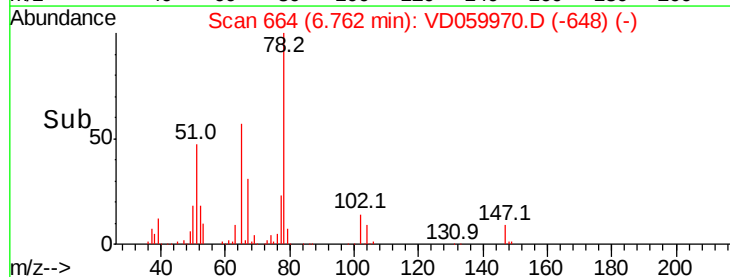
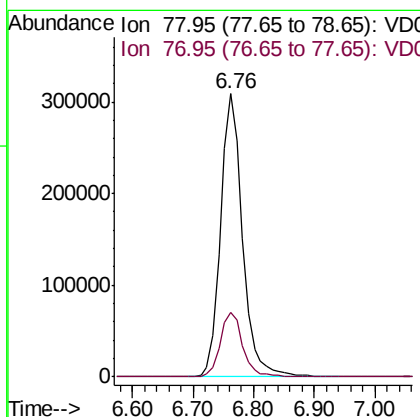
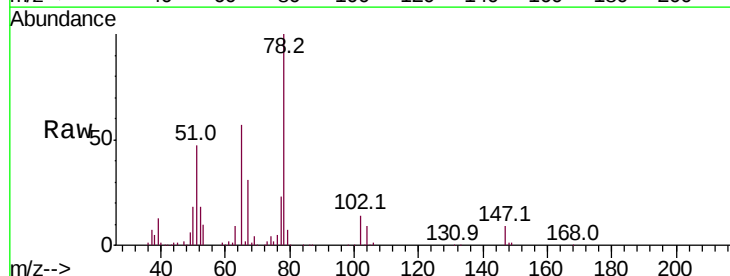
Instrument :
MSVOA_D
ClientSampleId :
VD0905SBSD01

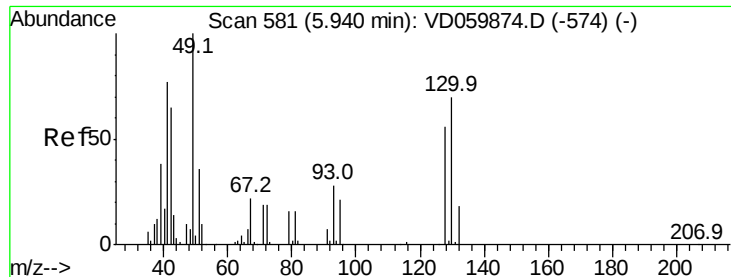
Tot Ion: 83 Resp: 291326
Ion Ratio Lower Upper
83 100
55 89.7 75.8 113.6
98 45.8 38.3 57.5



#40
Benzene
Concen: 22.101 ug/l
RT: 6.76 min Scan# 664
Delta R.T. -0.04 min
Lab File: VD059970.D
Acq: 5 Sep 2018 15:39

Tgt Ion: 78 Resp: 778611
Ion Ratio Lower Upper
78 100
77 22.9 19.0 28.4





#41

Methacrylonitrile

Concen: 47.922 ug/l

RT: 5.93 min Scan# 579

Delta R.T. -0.01 min

Lab File: VD059970.D

Acq: 5 Sep 2018 15:39

Instrument :

MSVOA_D

ClientSampleId :

VD0905SBS01

Tot Ion: 41 Resp: 254508

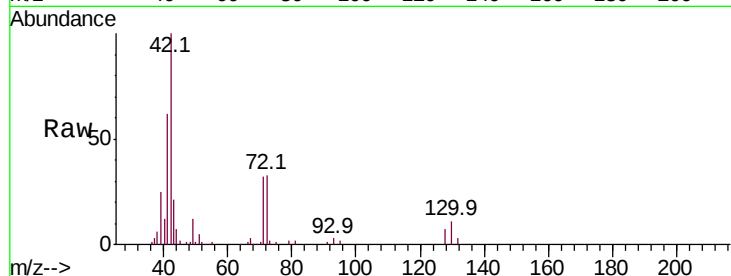
Ion Ratio Lower Upper

41 100

39 40.6 39.4 59.2

67 4.1 22.2 33.2#

52 2.0 10.1 15.1#

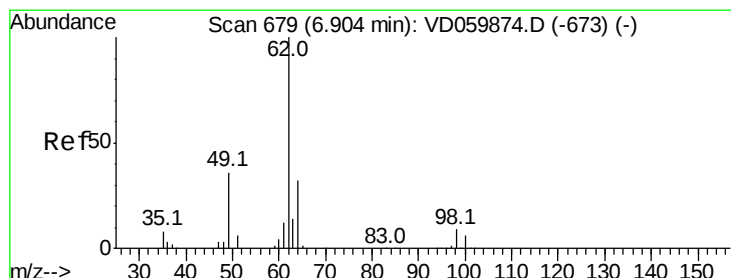
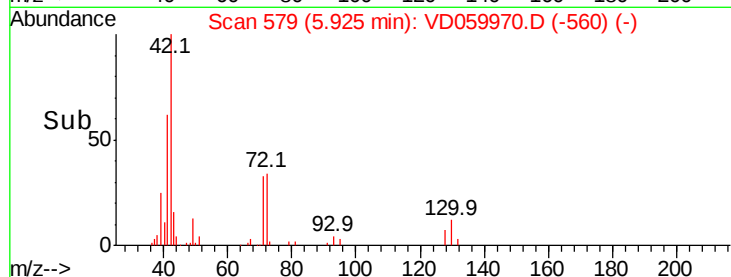
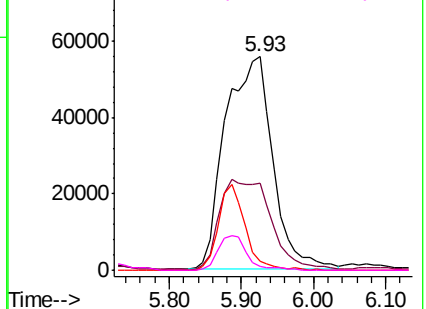


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 21.215 ug/l

RT: 6.86 min Scan# 674

Delta R.T. -0.04 min

Lab File: VD059970.D

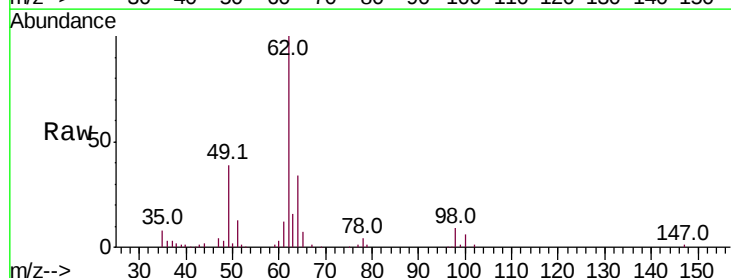
Acq: 5 Sep 2018 15:39

Tgt Ion: 62 Resp: 239930

Ion Ratio Lower Upper

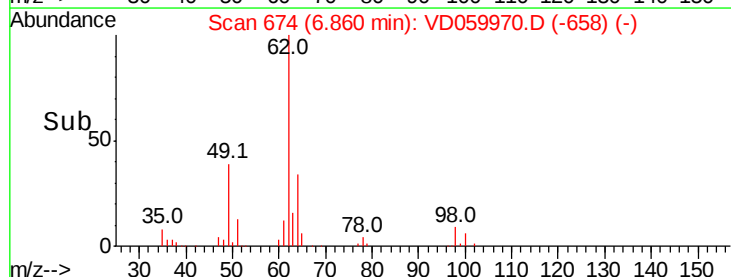
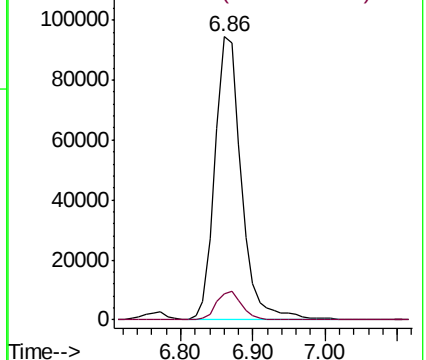
62 100

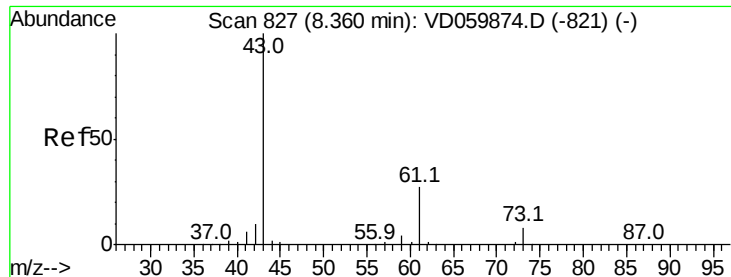
98 9.4 0.0 18.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



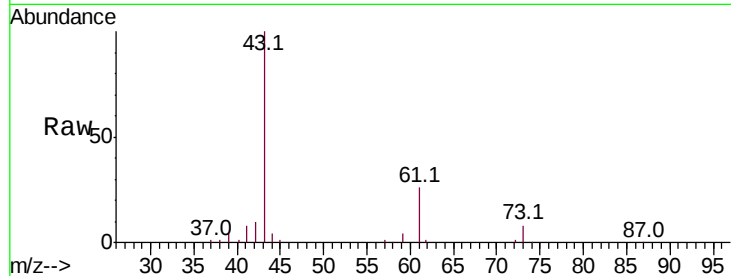


#43

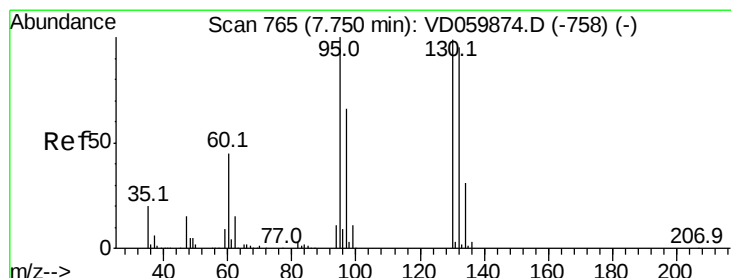
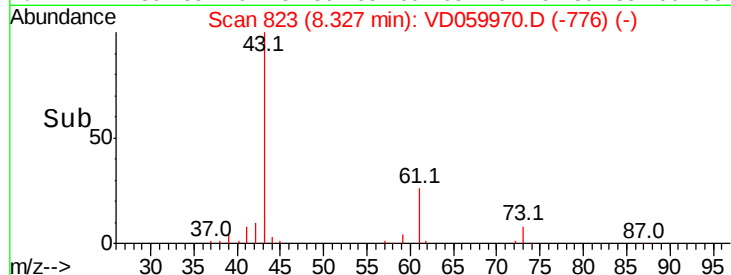
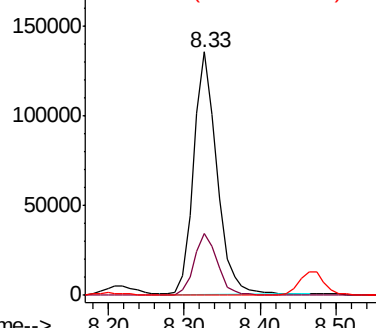
Isopropyl Acetate
 Concen: 21.002 ug/l
 RT: 8.33 min Scan# 823
 Delta R.T. -0.03 min
 Lab File: VD059970.D
 Acq: 5 Sep 2018 15:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0905SBSD01

Tot Ion: 43 Resp: 288074
 Ion Ratio Lower Upper
 43 100
 61 25.5 21.4 32.2
 87 0.3 0.2 0.4



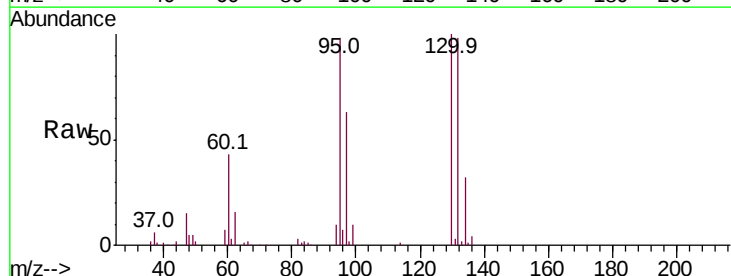
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



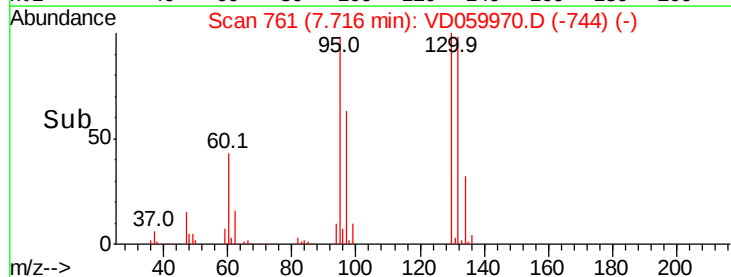
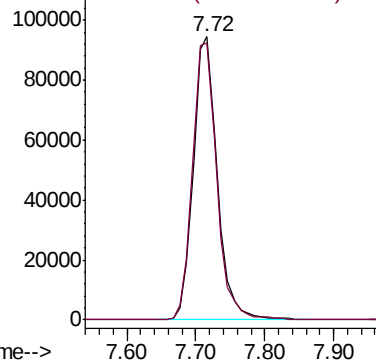
#44

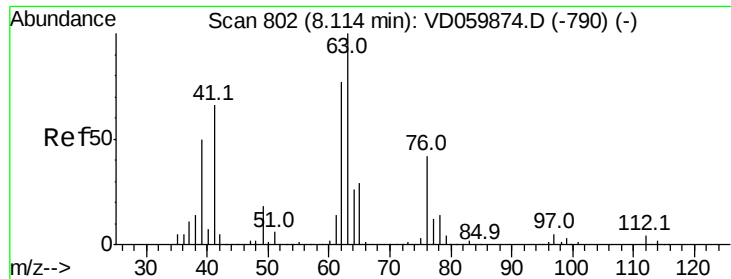
Trichloroethene
 Concen: 21.838 ug/l
 RT: 7.72 min Scan# 761
 Delta R.T. -0.03 min
 Lab File: VD059970.D
 Acq: 5 Sep 2018 15:39

Tgt Ion:130 Resp: 226526
 Ion Ratio Lower Upper
 130 100
 95 98.0 0.0 202.0



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

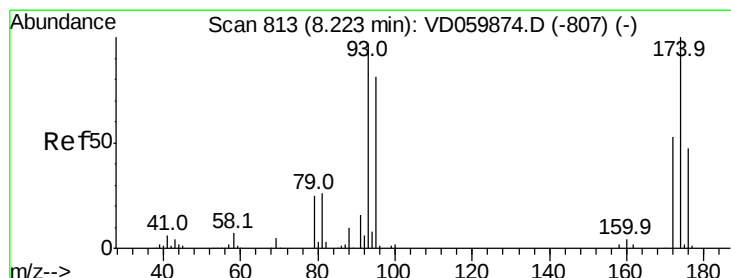
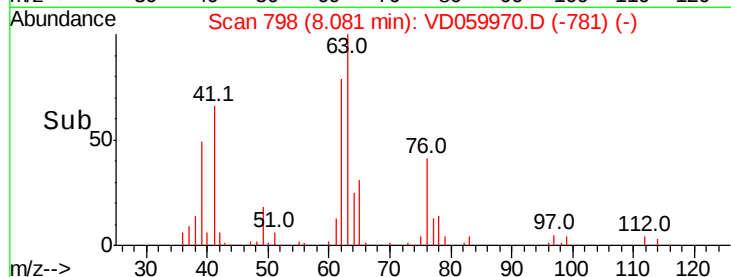
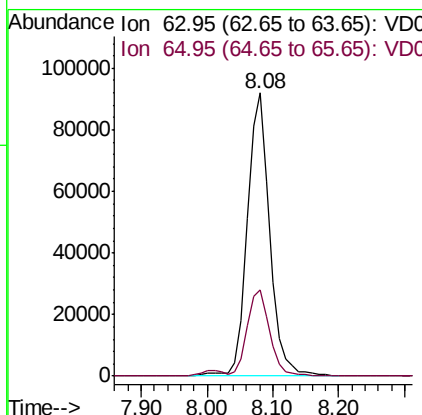
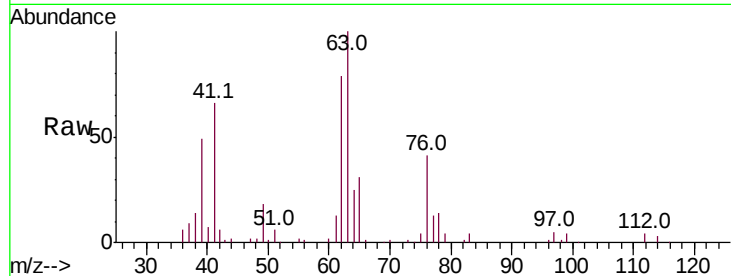




#45
 1,2-Dichloropropane
 Concen: 22.276 ug/l
 RT: 8.08 min Scan# 798
 Delta R.T. -0.03 min
 Lab File: VD059970.D
 Acq: 5 Sep 2018 15:39

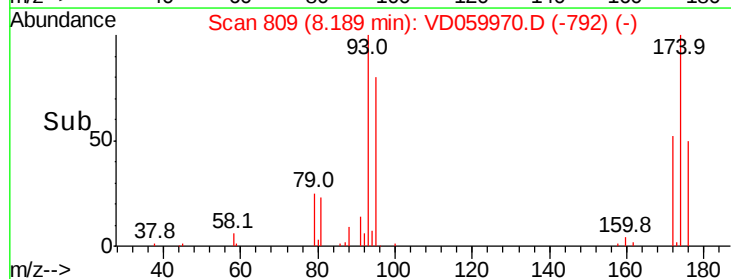
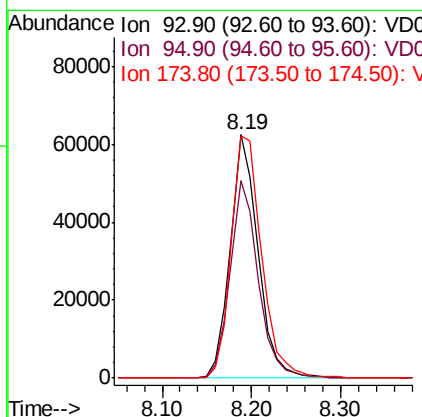
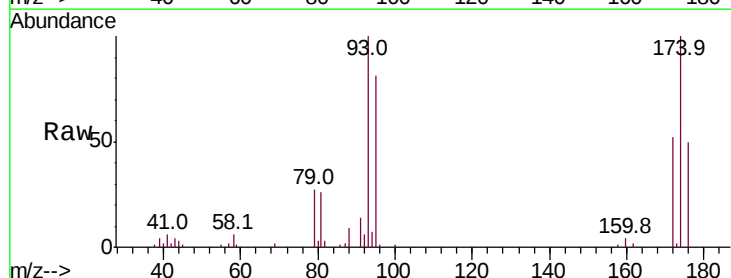
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0905SBSD01

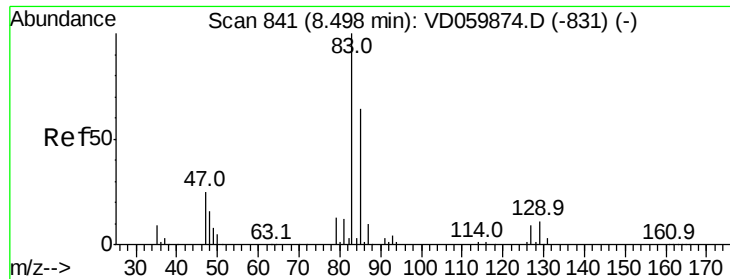
Tot Ion: 63 Resp: 219357
 Ion Ratio Lower Upper
 63 100
 65 30.6 23.5 35.3



#46
 Dibromomethane
 Concen: 21.645 ug/l
 RT: 8.19 min Scan# 809
 Delta R.T. -0.03 min
 Lab File: VD059970.D
 Acq: 5 Sep 2018 15:39

Tgt Ion: 93 Resp: 137047
 Ion Ratio Lower Upper
 93 100
 95 80.9 66.6 100.0
 174 99.7 82.4 123.6





#47

Bromodichloromethane

Concen: 21.634 ug/l

RT: 8.46 min Scan# 837

Delta R.T. -0.03 min

Lab File: VD059970.D

Acq: 5 Sep 2018 15:39

Instrument :

MSVOA_D

ClientSampleId :

VD0905SBSD01

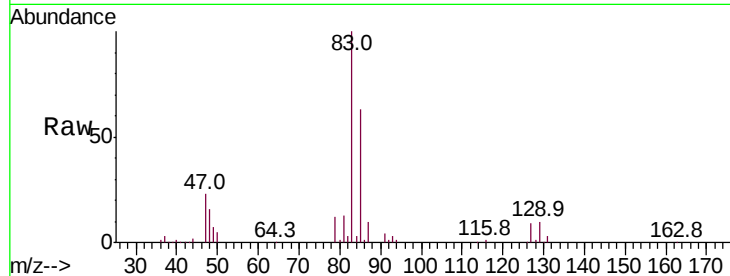
Tot Ion: 83 Resp: 310104

Ion Ratio Lower Upper

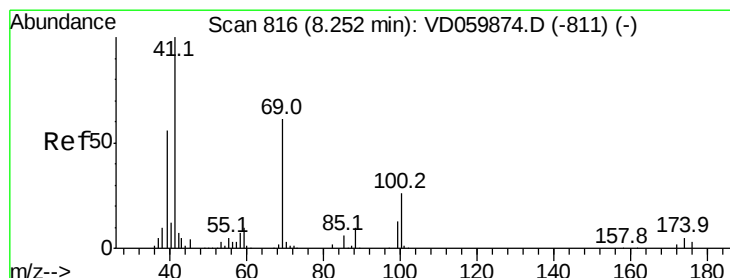
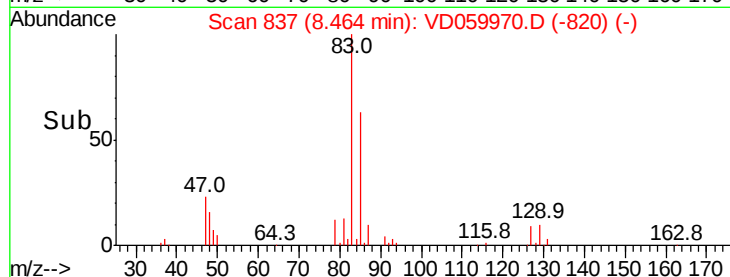
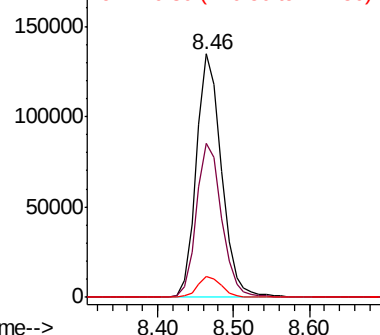
83 100

85 63.0 51.3 76.9

127 8.5 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: 20.827 ug/l

RT: 8.22 min Scan# 812

Delta R.T. -0.03 min

Lab File: VD059970.D

Acq: 5 Sep 2018 15:39

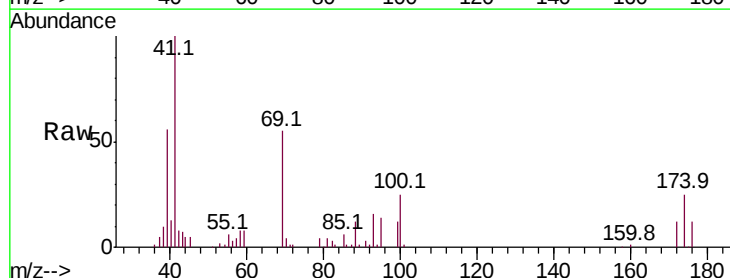
Tgt Ion: 41 Resp: 166526

Ion Ratio Lower Upper

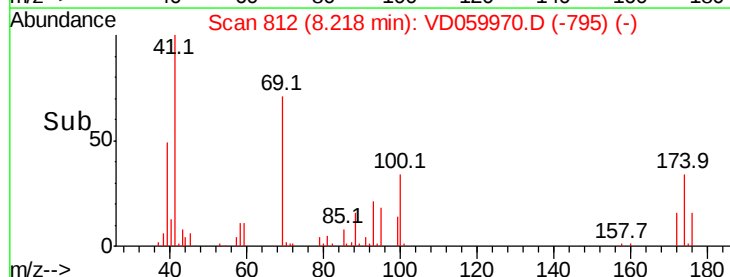
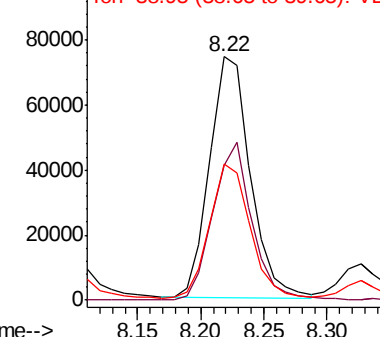
41 100

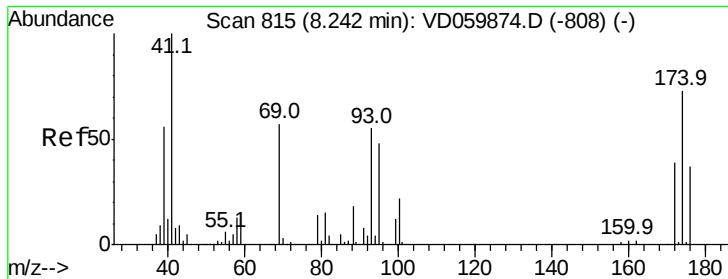
69 55.2 48.0 72.0

39 56.1 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: 434.998 ug/l

RT: 8.21 min Scan# 811

Delta R.T. -0.03 min

Lab File: VD059970.D

Acq: 5 Sep 2018 15:39

Instrument :

MSVOA_D

ClientSampleId :

VD0905SBSD01

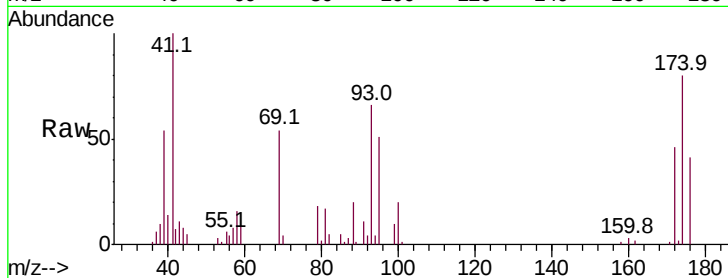
Tot Ion: 88 Resp: 31052

Ion Ratio Lower Upper

88 100

43 58.4 45.0 67.6

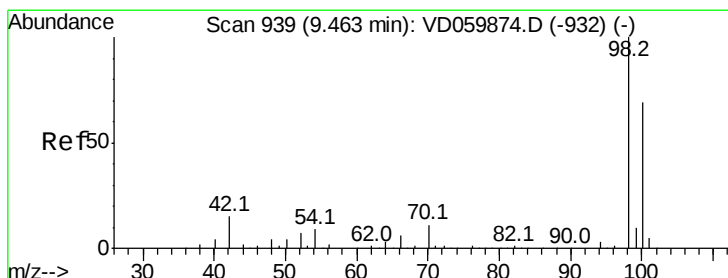
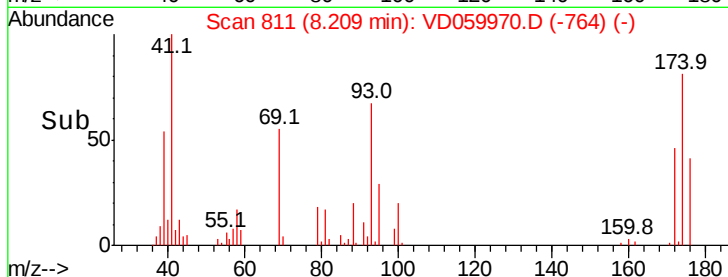
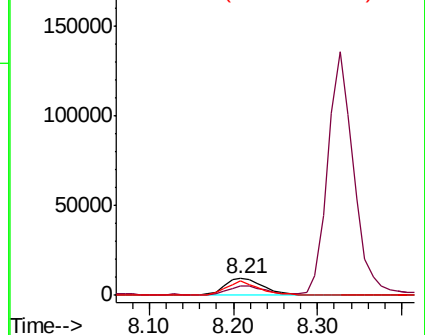
58 83.8 55.8 83.8#



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: 434.998 ug/l

RT: 9.44 min Scan# 936

Delta R.T. -0.02 min

Lab File: VD059970.D

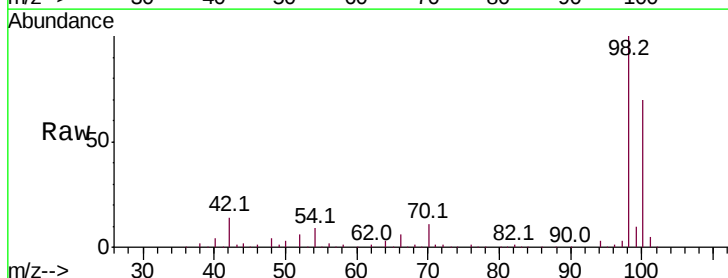
Acq: 5 Sep 2018 15:39

Tgt Ion: 98 Resp: 1728476

Ion Ratio Lower Upper

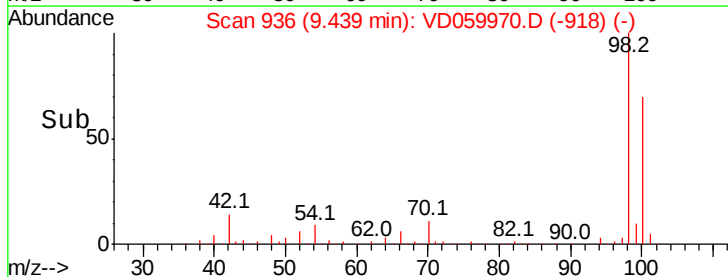
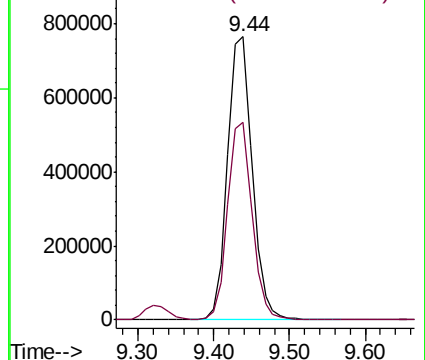
98 100

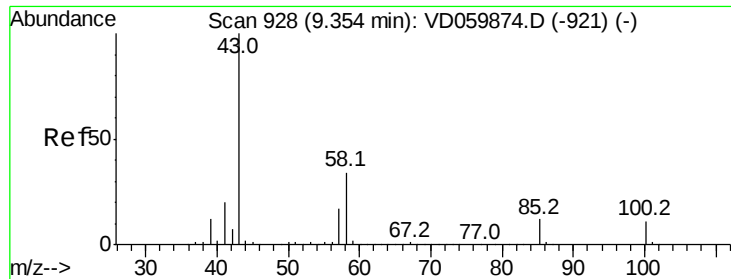
100 69.9 55.8 83.6



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: 94.705 ug/l

RT: 9.32 min Scan# 924

Delta R.T. -0.03 min

Lab File: VD059970.D

Acq: 5 Sep 2018 15:39

Instrument :

MSVOA_D

ClientSampleId :

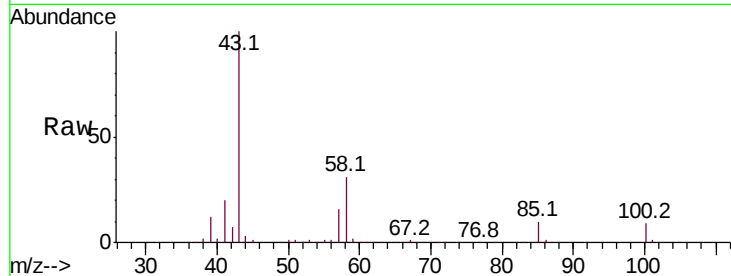
VD0905SBSD01

Tot Ion: 43 Resp: 968434

Ion Ratio Lower Upper

43 100

58 31.3 27.0 40.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.32

400000

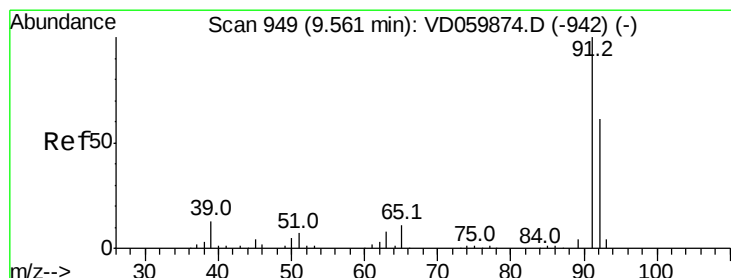
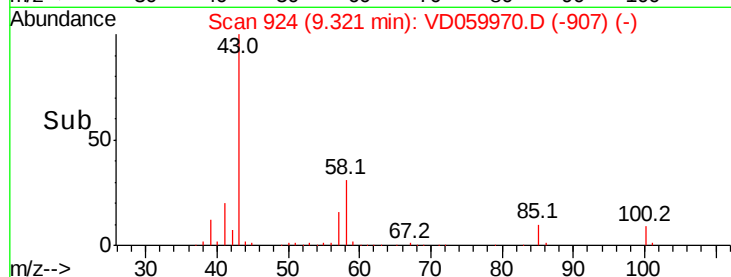
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 21.314 ug/l

RT: 9.53 min Scan# 945

Delta R.T. -0.03 min

Lab File: VD059970.D

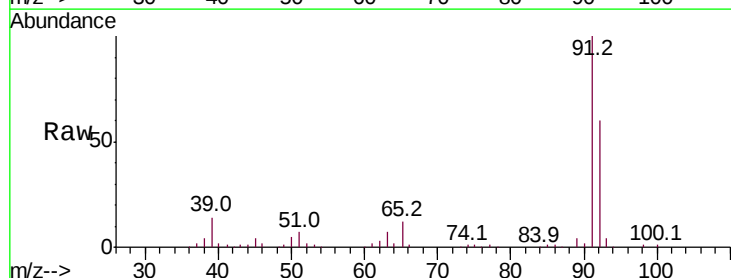
Acq: 5 Sep 2018 15:39

Tgt Ion: 92 Resp: 481480

Ion Ratio Lower Upper

92 100

91 165.3 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.53

400000

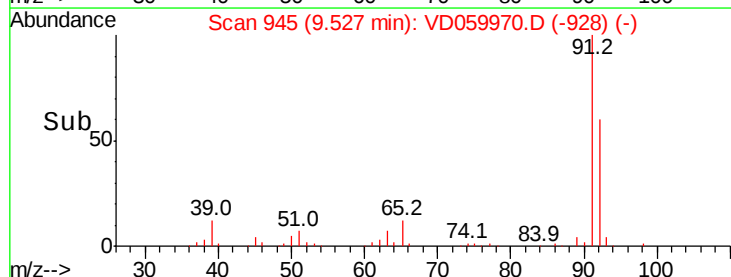
300000

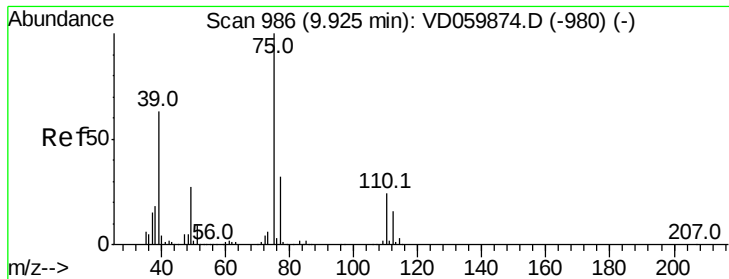
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.892 ug/l

RT: 9.90 min Scan# 983

Delta R.T. -0.02 min

Lab File: VD059970.D

Acq: 5 Sep 2018 15:39

Instrument :

MSVOA_D

ClientSampleId :

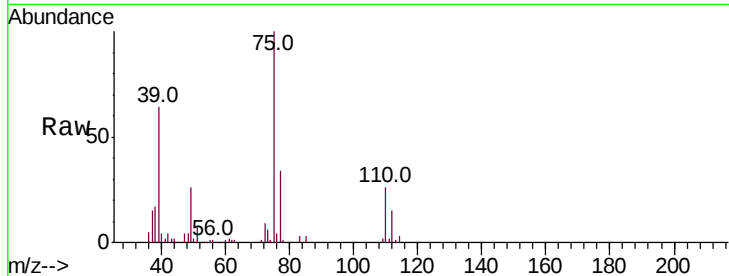
VD0905SBSD01

Tot Ion: 75 Resp: 276990

Ion Ratio Lower Upper

75 100

77 33.5 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.90

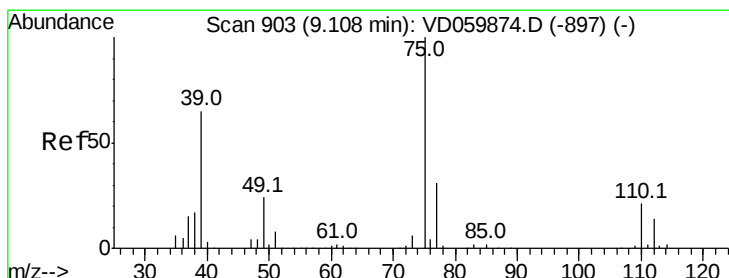
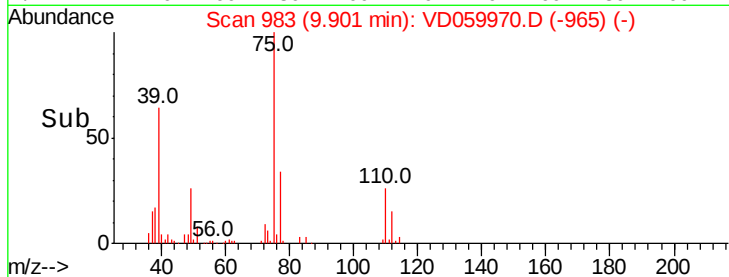
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 21.340 ug/l

RT: 9.08 min Scan# 900

Delta R.T. -0.02 min

Lab File: VD059970.D

Acq: 5 Sep 2018 15:39

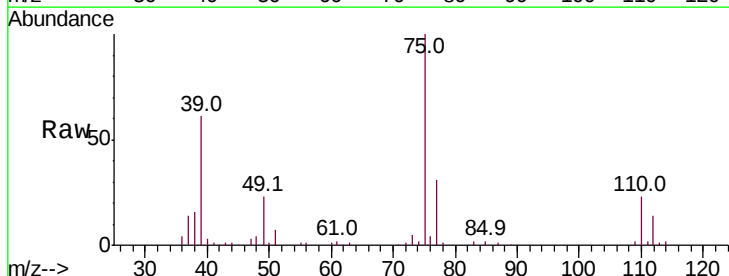
Tgt Ion: 75 Resp: 328025

Ion Ratio Lower Upper

75 100

77 30.6 24.8 37.2

39 60.7 52.1 78.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

200000

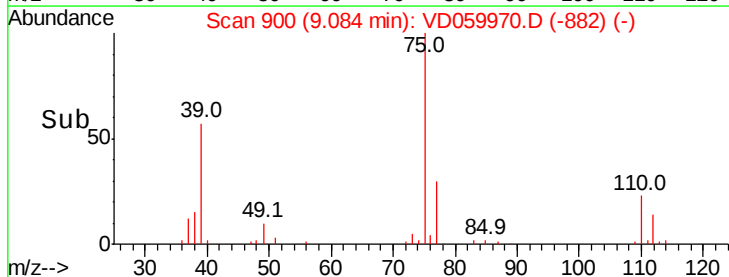
150000

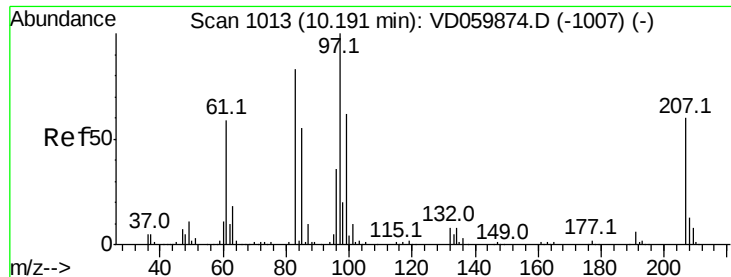
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 21.767 ug/l

RT: 10.17 min Scan# 1010

Delta R.T. -0.02 min

Lab File: VD059970.D

Acq: 5 Sep 2018 15:39

Instrument :

MSVOA_D

ClientSampleId :

VD0905SBSD01

Tot Ion: 97 Resp: 179739

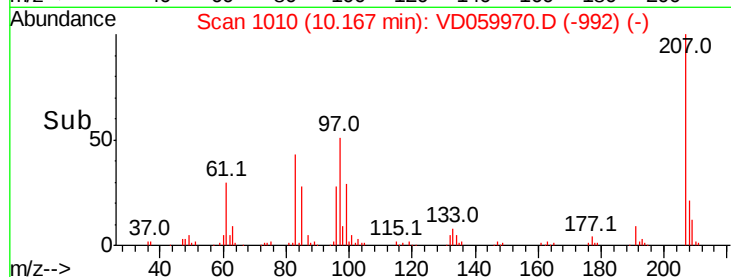
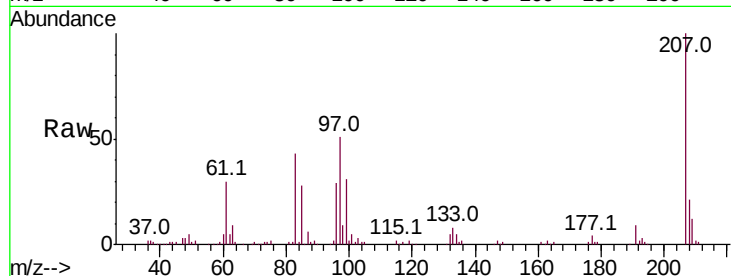
Ion	Ratio	Lower	Upper
97	100		
83	85.2	66.7	100.1
85	54.8	43.8	65.6
99	61.0	49.8	74.6

97 100

83 85.2 66.7 100.1

85 54.8 43.8 65.6

99 61.0 49.8 74.6

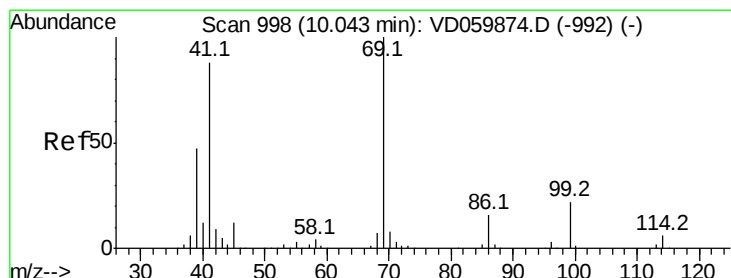
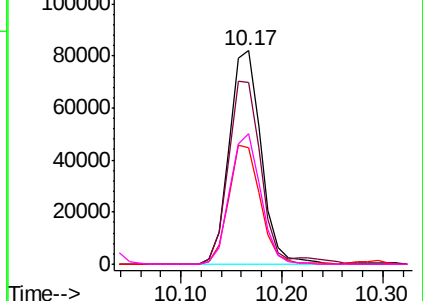


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 21.775 ug/l

RT: 10.01 min Scan# 994

Delta R.T. -0.03 min

Lab File: VD059970.D

Acq: 5 Sep 2018 15:39

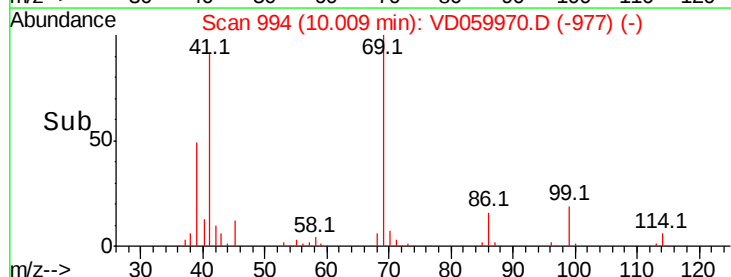
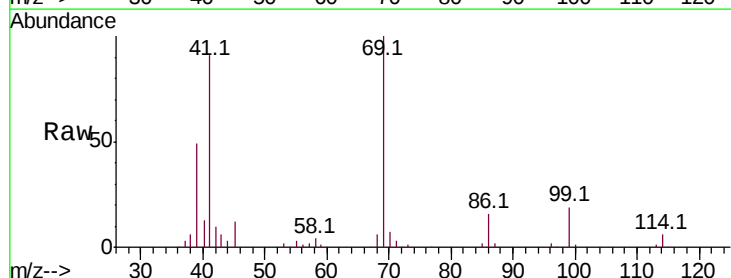
Tgt Ion: 69 Resp: 207515

Ion	Ratio	Lower	Upper
69	100		
41	91.1	71.0	106.4
39	49.3	38.5	57.7

69 100

41 91.1 71.0 106.4

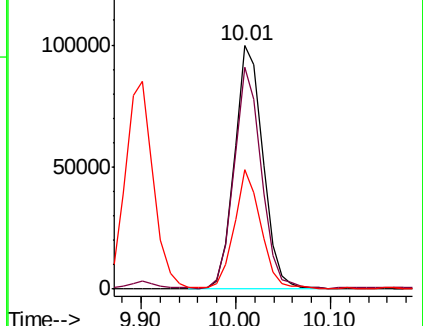
39 49.3 38.5 57.7

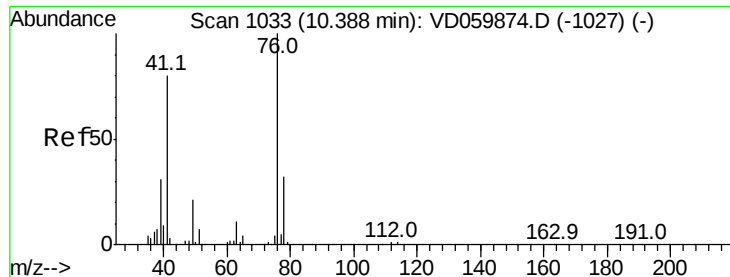


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 22.939 ug/l

RT: 10.36 min Scan# 1030

Delta R.T. -0.02 min

Lab File: VD059970.D

Acq: 5 Sep 2018 15:39

Instrument :

MSVOA_D

ClientSampleId :

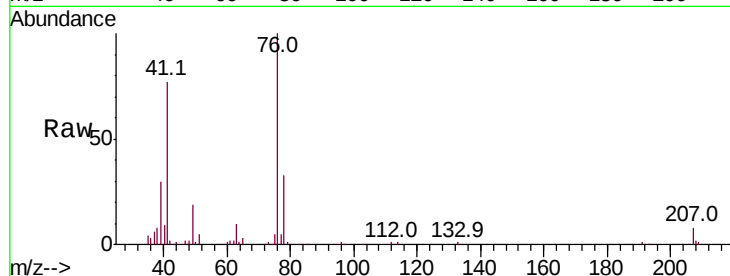
VD0905SBSD01

Tot Ion: 76 Resp: 274164

Ion Ratio Lower Upper

76 100

78 32.9 25.8 38.6



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

10.36

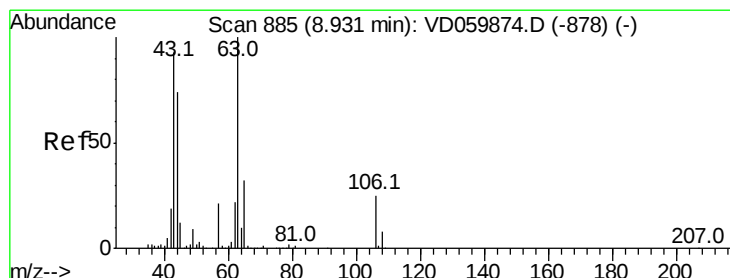
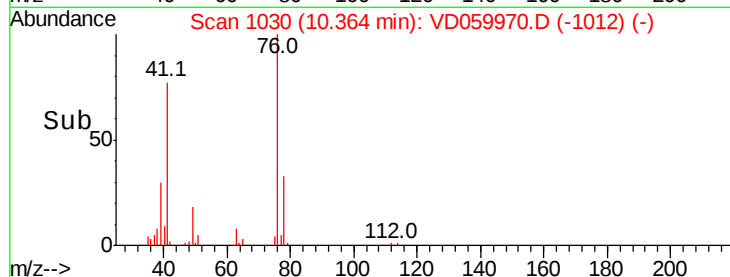
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 120.369 ug/l

RT: 8.90 min Scan# 881

Delta R.T. -0.03 min

Lab File: VD059970.D

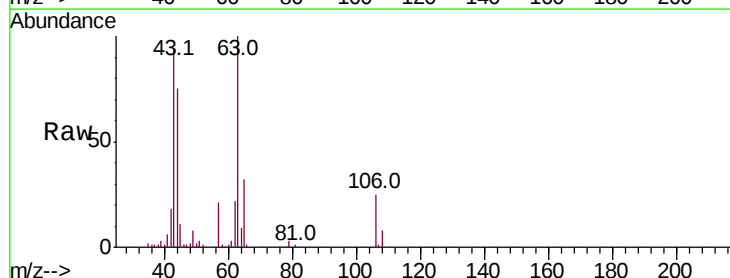
Acq: 5 Sep 2018 15:39

Tgt Ion: 63 Resp: 550295

Ion Ratio Lower Upper

63 100

106 25.1 20.1 30.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

8.90

300000

250000

200000

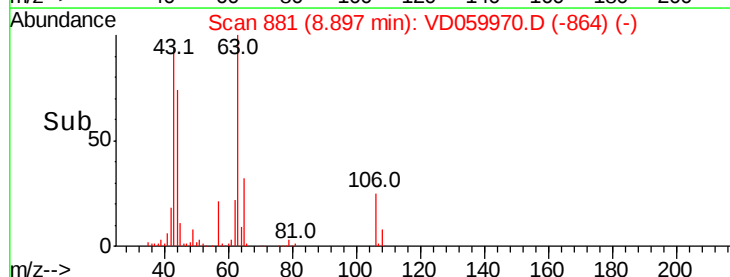
150000

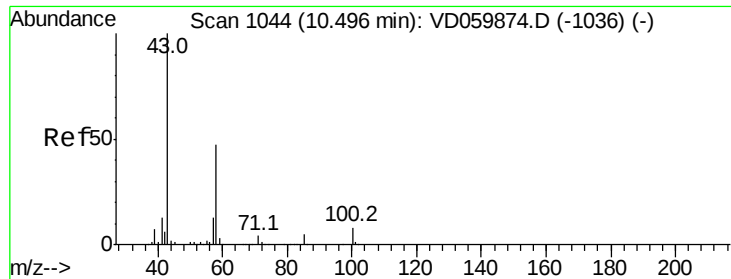
100000

50000

0

Time-->

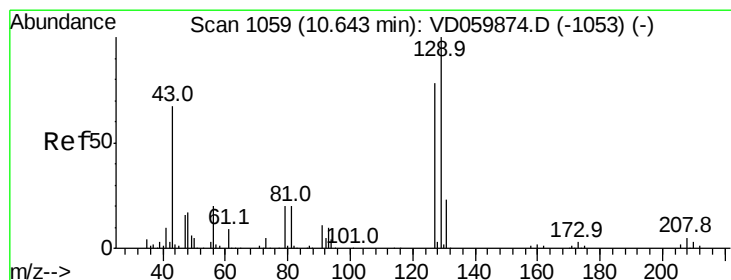
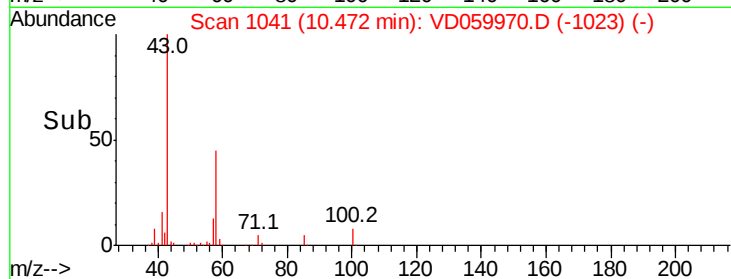
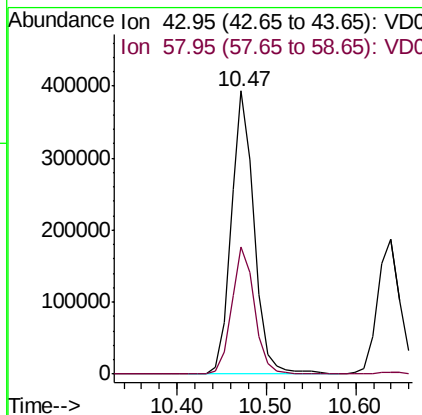
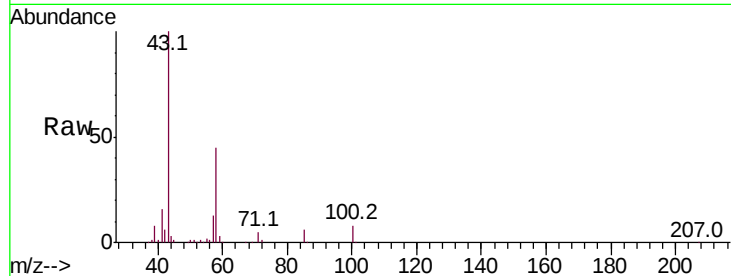




#59
2-Hexanone
Concen: 94.239 ug/l
RT: 10.47 min Scan# 1041
Delta R.T. -0.02 min
Lab File: VD059970.D
Acq: 5 Sep 2018 15:39

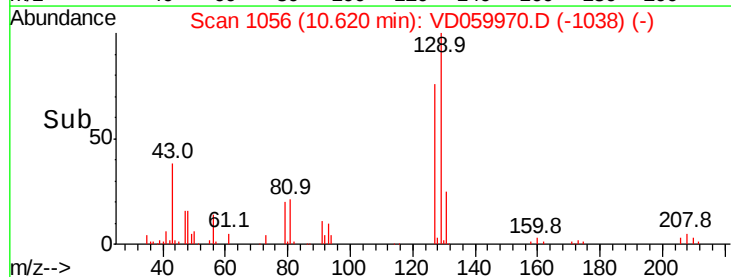
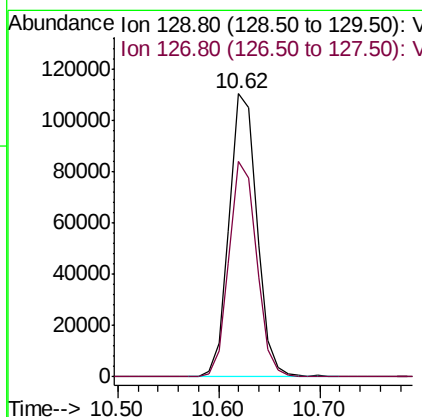
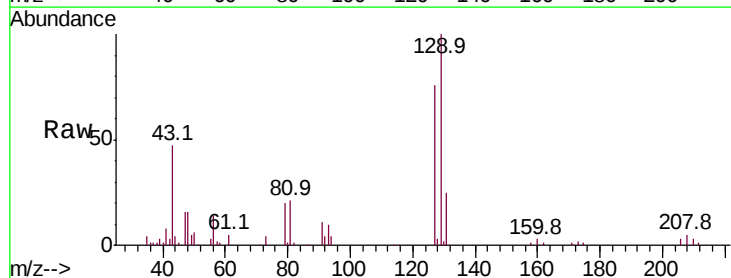
Instrument :
MSVOA_D
ClientSampleId :
VD0905SBSD01

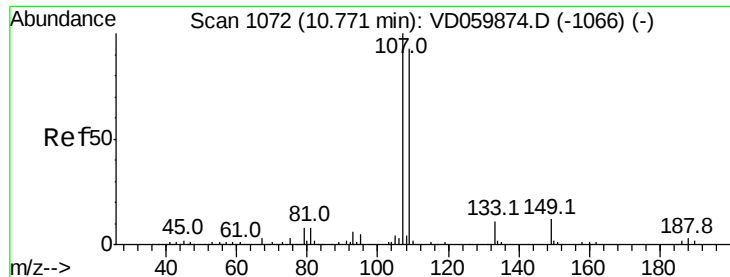
Tot Ion: 43 Resp: 710784
Ion Ratio Lower Upper
43 100
58 45.0 23.3 69.8



#60
Dibromochloromethane
Concen: 20.394 ug/l
RT: 10.62 min Scan# 1056
Delta R.T. -0.02 min
Lab File: VD059970.D
Acq: 5 Sep 2018 15:39

Tgt Ion: 129 Resp: 211675
Ion Ratio Lower Upper
129 100
127 76.2 39.1 117.2





#61

1,2-Dibromoethane

Concen: 20.743 ug/l

RT: 10.75 min Scan# 1069

Delta R.T. -0.02 min

Lab File: VD059970.D

Acq: 5 Sep 2018 15:39

Instrument :

MSVOA_D

ClientSampleId :

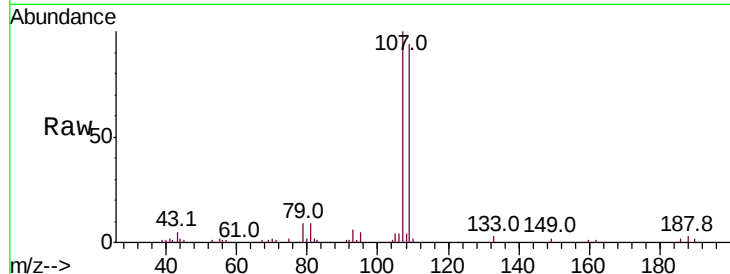
VD0905SBSD01

Tot Ion:107 Resp: 173195

Ion Ratio Lower Upper

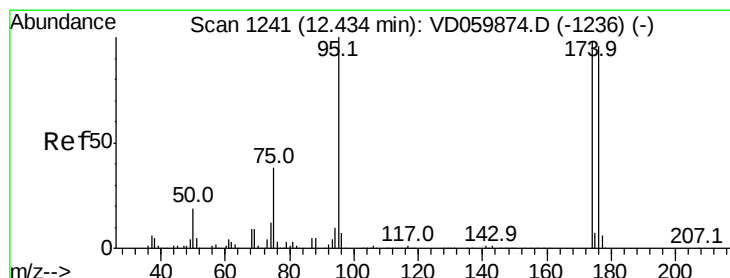
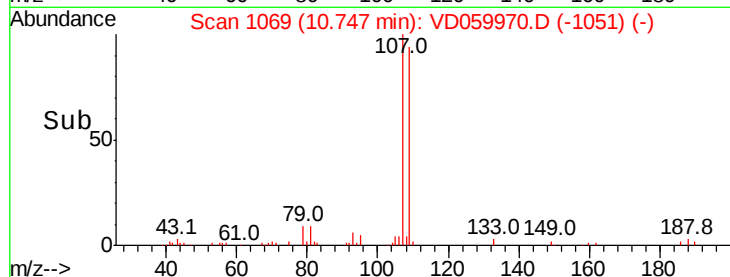
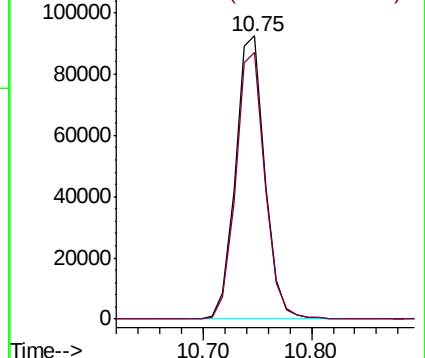
107 100

109 94.2 74.6 112.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 20.743 ug/l

RT: 12.42 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VD059970.D

Acq: 5 Sep 2018 15:39

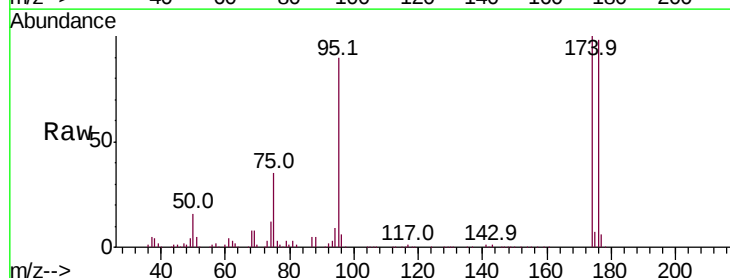
Tgt Ion: 95 Resp: 675354

Ion Ratio Lower Upper

95 100

174 111.1 0.0 195.6

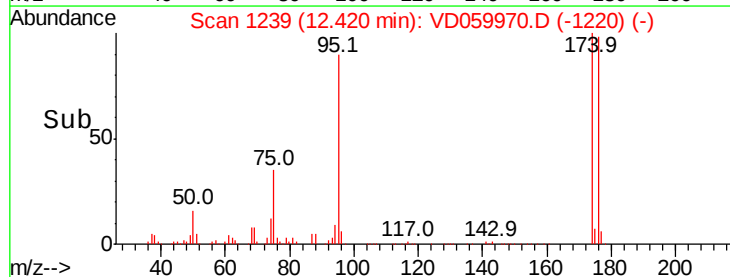
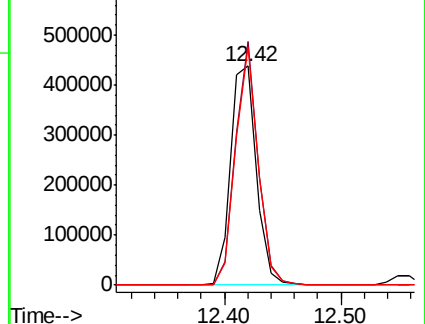
176 108.8 0.0 191.2

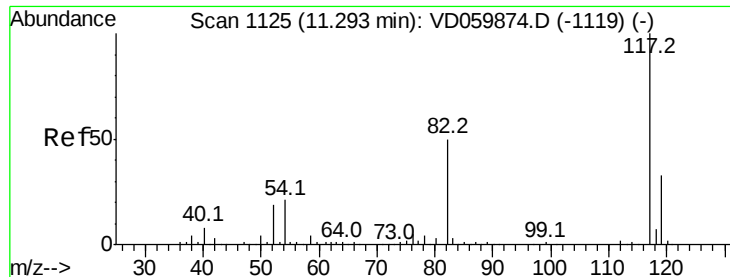


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

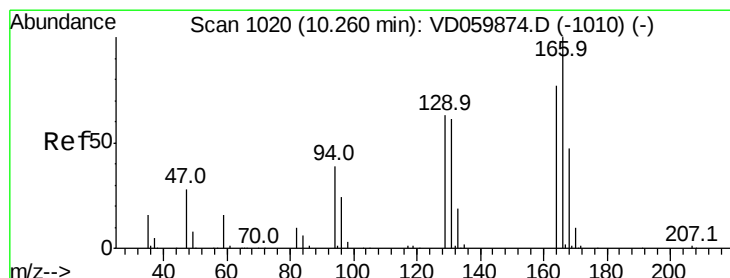
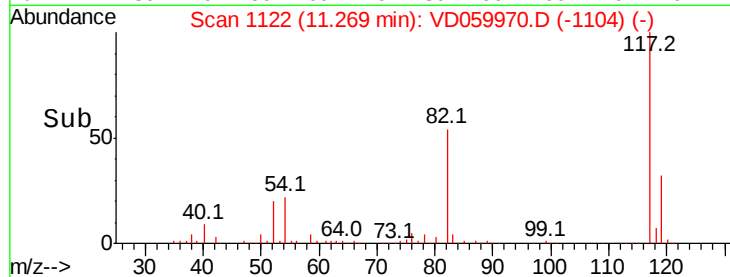
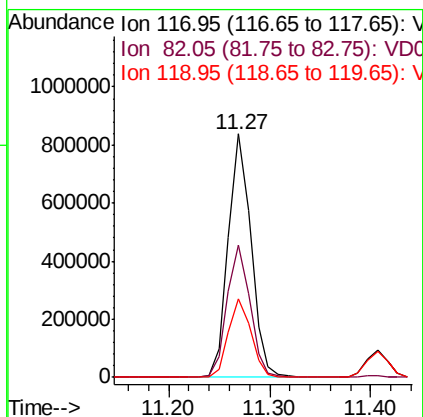
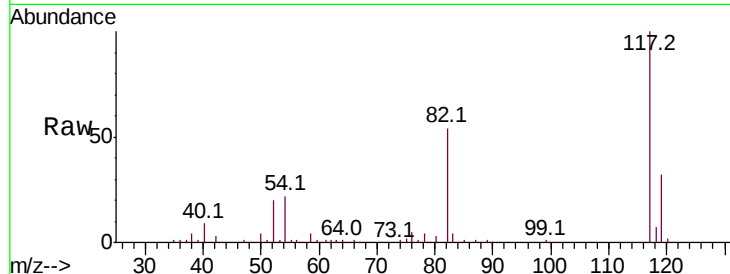




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 1122
Delta R.T. -0.02 min
Lab File: VD059970.D
Acq: 5 Sep 2018 15:39

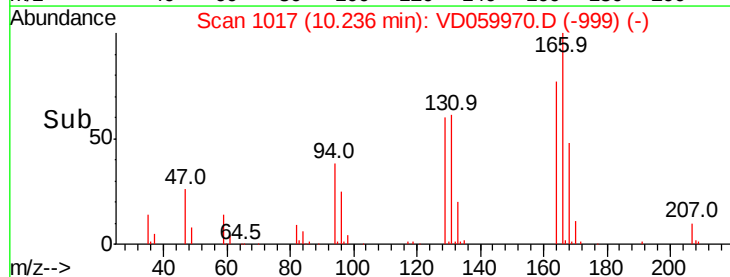
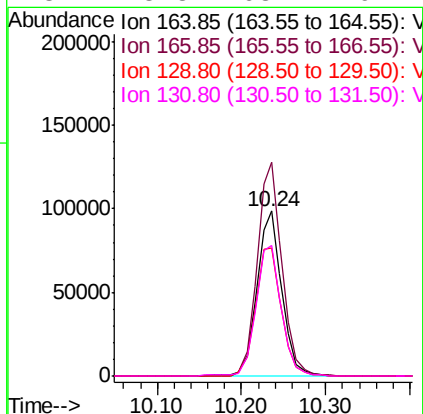
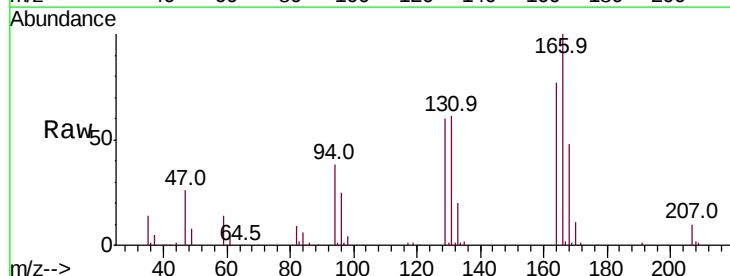
Instrument :
MSVOA_D
ClientSampleId :
VD0905SBSD01

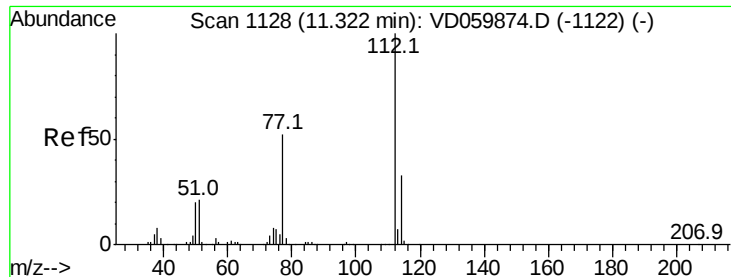
Tot Ion:117 Resp: 1319576
Ion Ratio Lower Upper
117 100
82 54.4 40.1 60.1
119 32.4 26.7 40.1



#64
Tetrachloroethene
Concen: 19.896 ug/l
RT: 10.24 min Scan# 1017
Delta R.T. -0.02 min
Lab File: VD059970.D
Acq: 5 Sep 2018 15:39

Tgt Ion:164 Resp: 203003
Ion Ratio Lower Upper
164 100
166 129.5 103.4 155.2
129 78.0 65.2 97.8
131 78.8 63.1 94.7

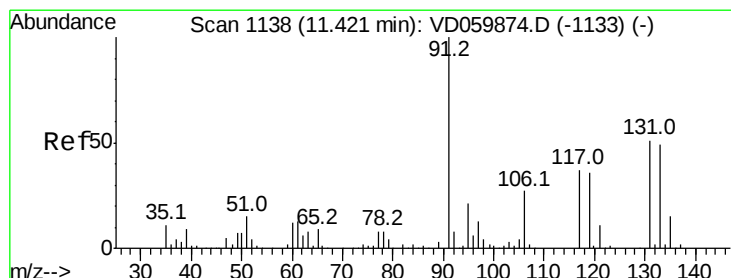
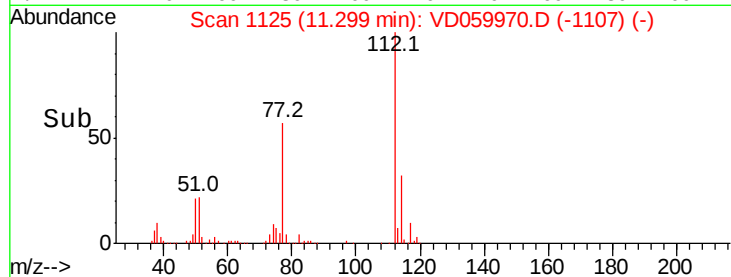
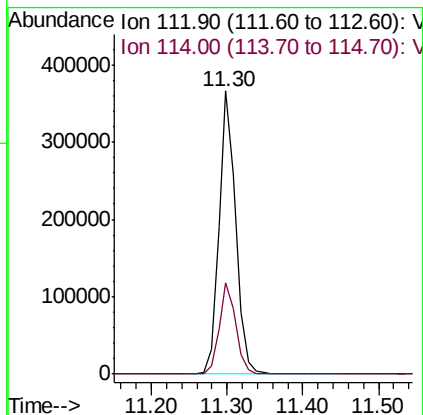
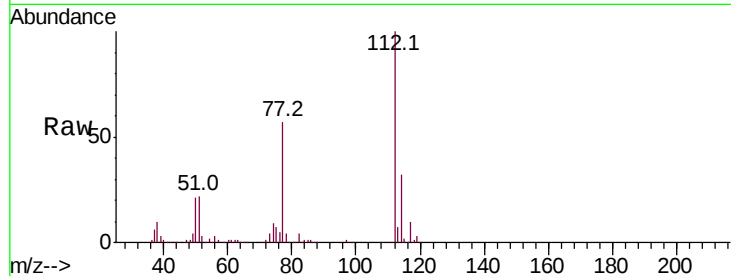




#65
Chlorobenzene
Concen: 21.577 ug/l
RT: 11.30 min Scan# 1125
Delta R.T. -0.02 min
Lab File: VD059970.D
Acq: 5 Sep 2018 15:39

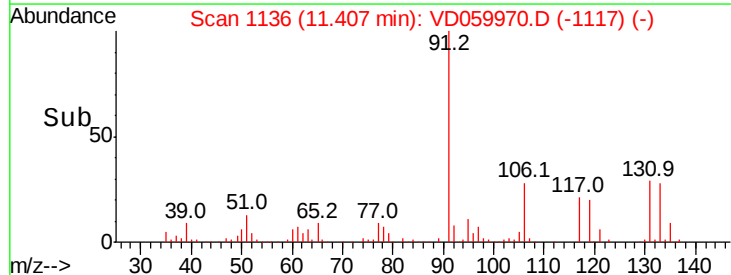
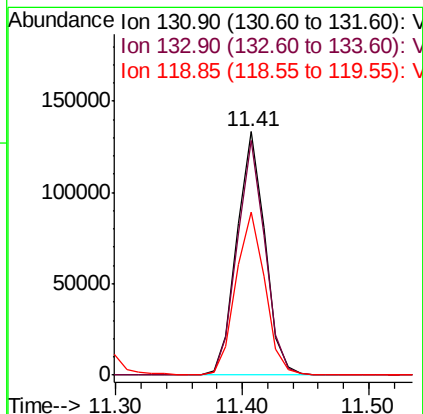
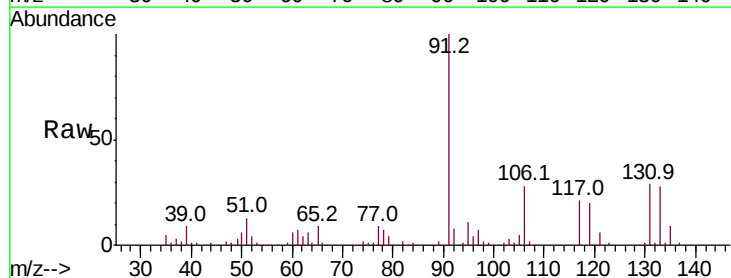
Instrument :
MSVOA_D
ClientSampleId :
VD0905SBSD01

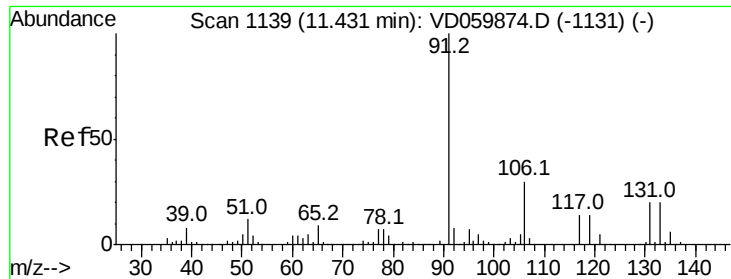
Tot Ion:112 Resp: 565793
Ion Ratio Lower Upper
112 100
114 32.3 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 21.414 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. -0.01 min
Lab File: VD059970.D
Acq: 5 Sep 2018 15:39

Tgt Ion:131 Resp: 205146
Ion Ratio Lower Upper
131 100
133 96.4 48.3 144.8
119 66.8 35.4 106.3

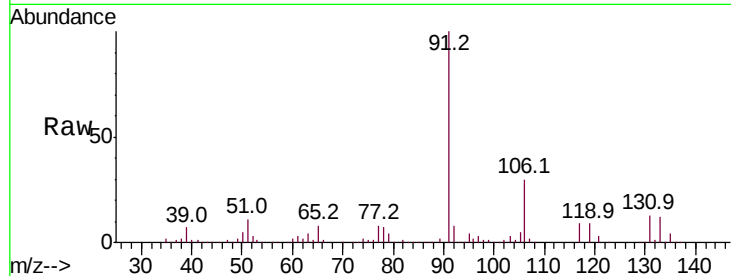




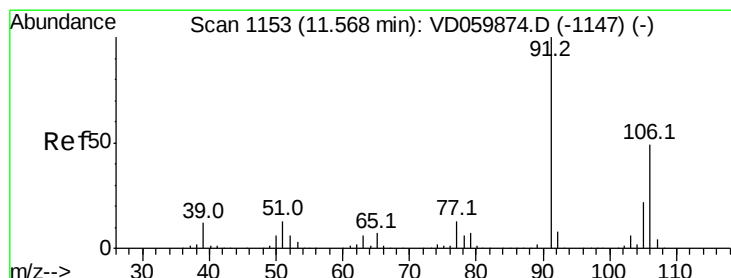
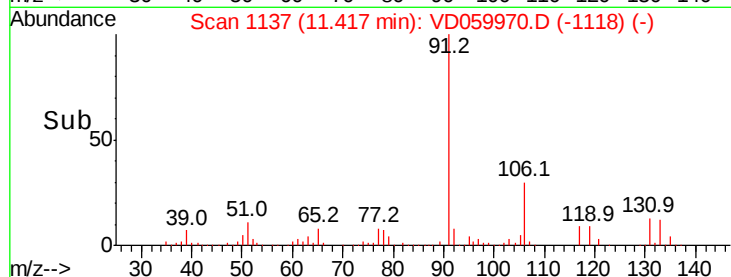
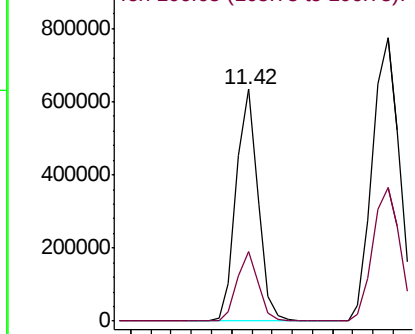
#67
Ethyl Benzene
Concen: 21.576 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. -0.01 min
Lab File: VD059970.D
Acq: 5 Sep 2018 15:39

Instrument :
MSVOA_D
ClientSampleId :
VD0905SBSD01

Tot Ion: 91 Resp: 951834
Ion Ratio Lower Upper
91 100
106 30.0 23.8 35.8

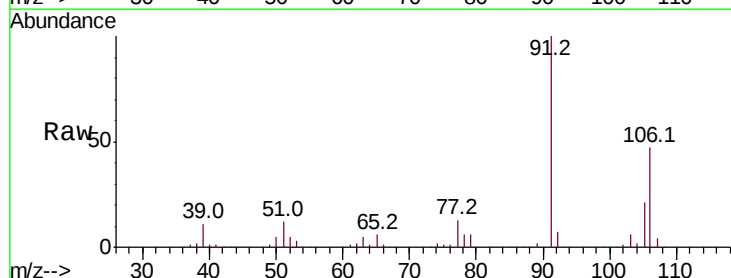


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

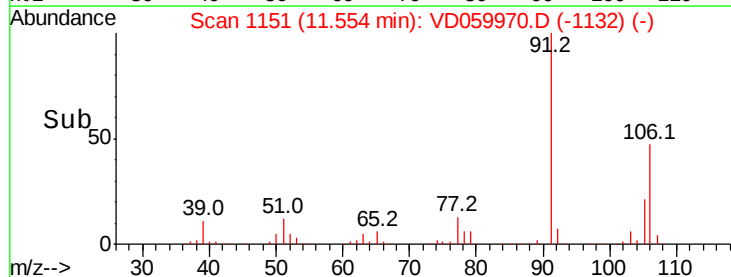
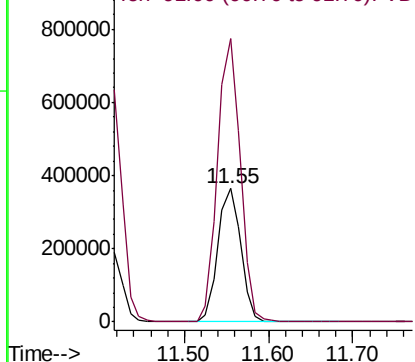


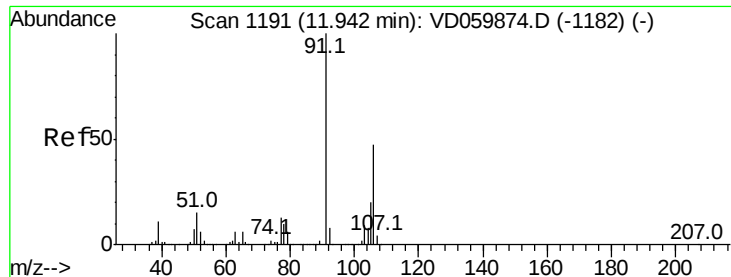
#68
m/p-Xylenes
Concen: 43.049 ug/l
RT: 11.55 min Scan# 1151
Delta R.T. -0.01 min
Lab File: VD059970.D
Acq: 5 Sep 2018 15:39

Tgt Ion:106 Resp: 691451
Ion Ratio Lower Upper
106 100
91 212.8 162.0 243.0



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

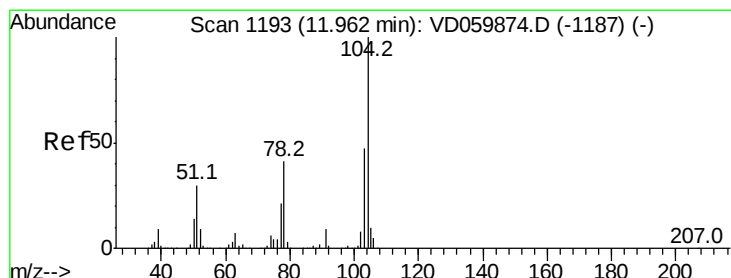
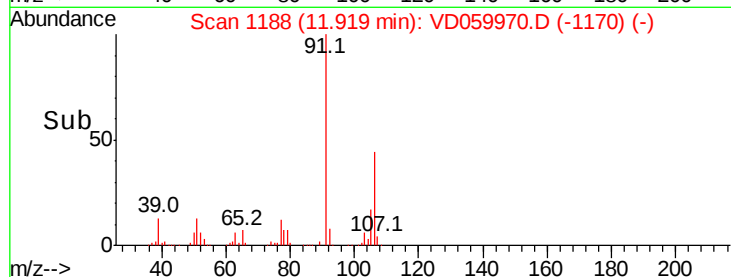
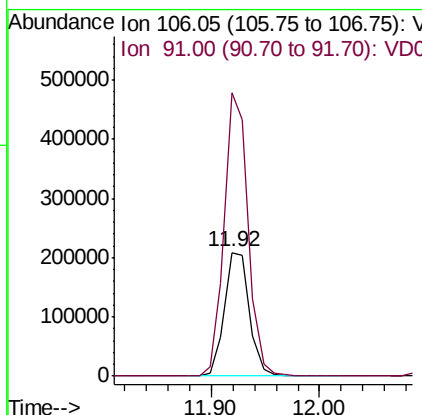
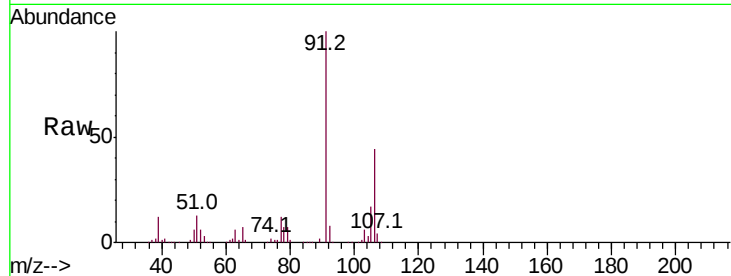




#69
o-Xylene
Concen: 21.393 ug/l
RT: 11.92 min Scan# 1188
Delta R.T. -0.02 min
Lab File: VD059970.D
Acq: 5 Sep 2018 15:39

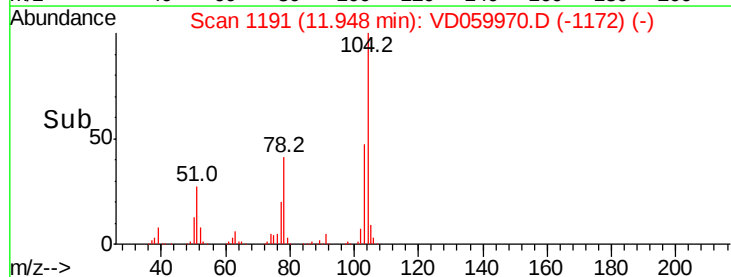
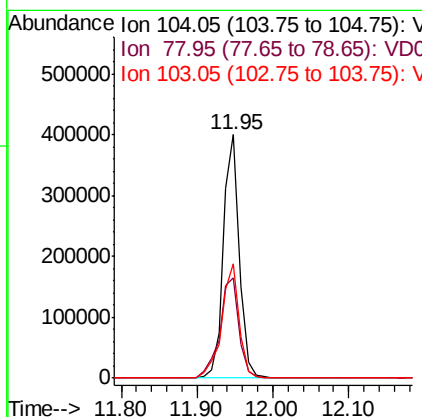
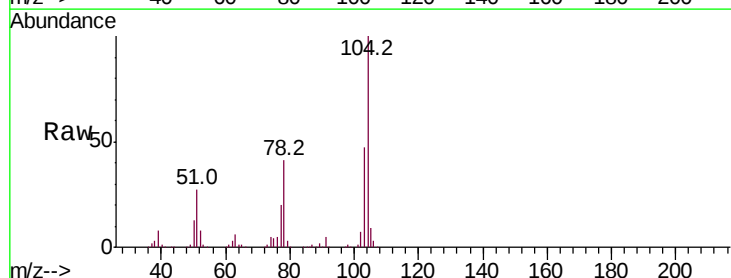
Instrument :
MSVOA_D
ClientSampleId :
VD0905SBSD01

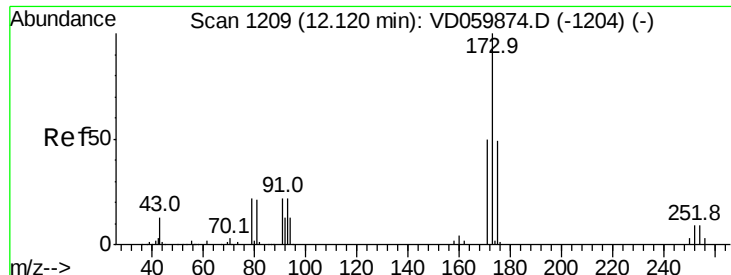
Tot Ion:106 Resp: 336074
Ion Ratio Lower Upper
106 100
91 229.2 107.3 322.0



#70
Styrene
Concen: 21.486 ug/l
RT: 11.95 min Scan# 1191
Delta R.T. -0.01 min
Lab File: VD059970.D
Acq: 5 Sep 2018 15:39

Tgt Ion:104 Resp: 584442
Ion Ratio Lower Upper
104 100
78 40.9 32.6 49.0
103 47.2 37.7 56.5





#71

Bromoform

Concen: 18.424 ug/l

RT: 12.11 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VD059970.D

Acq: 5 Sep 2018 15:39

Instrument :

MSVOA_D

ClientSampleId :

VD0905SBSD01

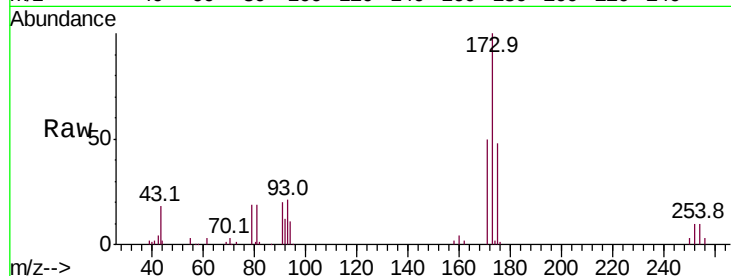
Tot Ion:173 Resp: 152715

Ion Ratio Lower Upper

173 100

175 47.8 24.3 73.0

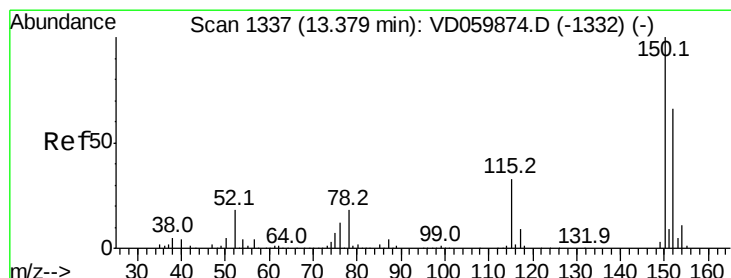
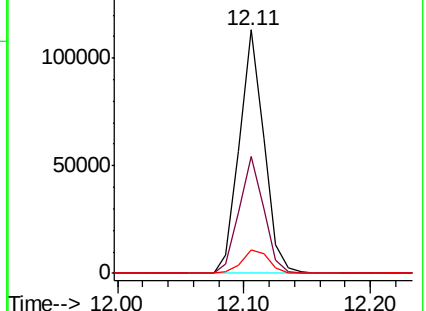
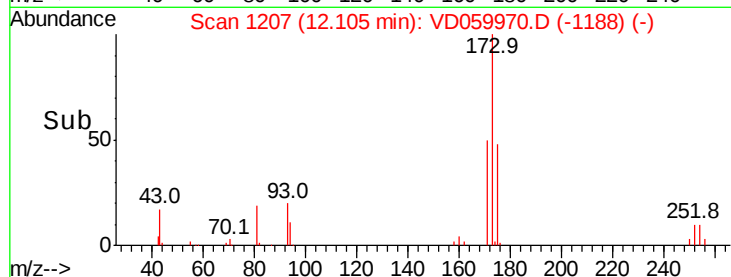
254 9.7 7.0 10.6



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: VD059970.D

Acq: 5 Sep 2018 15:39

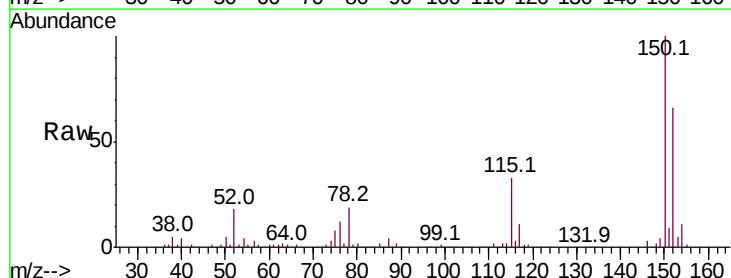
Tgt Ion:152 Resp: 720774

Ion Ratio Lower Upper

152 100

115 49.8 25.7 77.0

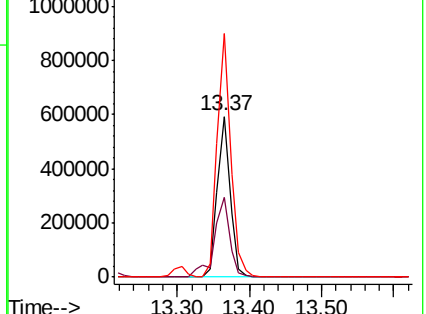
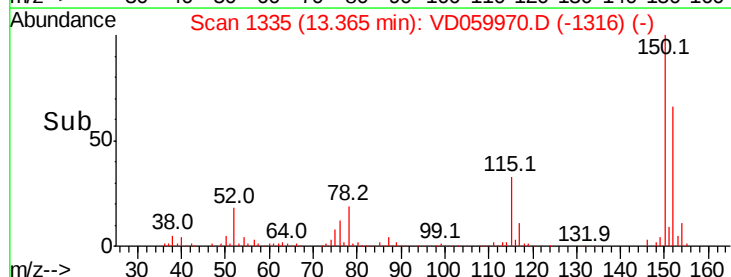
150 151.6 0.0 310.2

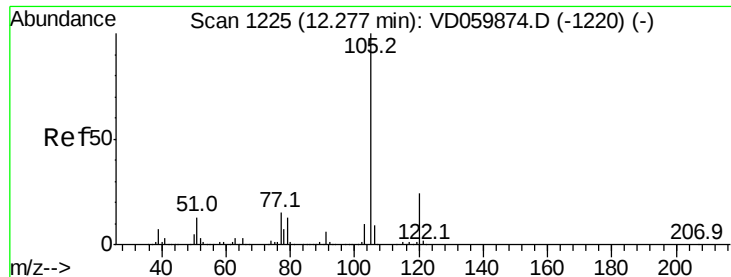


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.442 ug/l

RT: 12.26 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD059970.D

Acq: 5 Sep 2018 15:39

Instrument :

MSVOA_D

ClientSampleId :

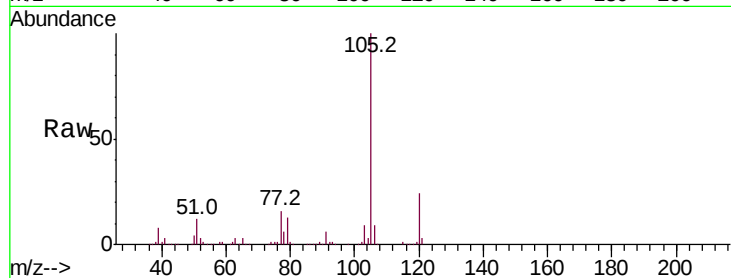
VD0905SBSD01

Tot Ion:105 Resp: 940542

Ion Ratio Lower Upper

105 100

120 24.1 11.8 35.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

12.26

600000

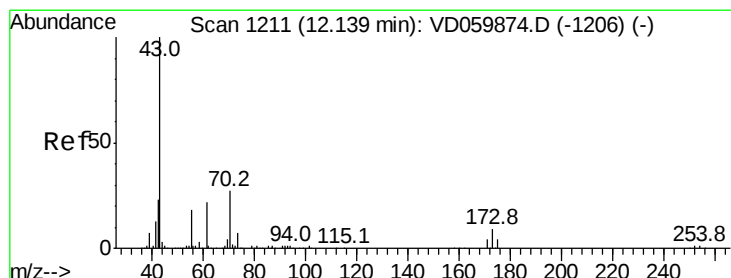
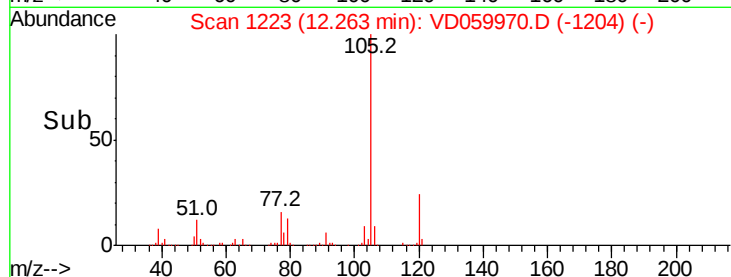
400000

200000

0

Time-->

12.20 12.30 12.40



#74

N-ethyl acetate

Concen: 18.825 ug/l

RT: 12.13 min Scan# 1209

Delta R.T. -0.01 min

Lab File: VD059970.D

Acq: 5 Sep 2018 15:39

Tgt Ion: 43 Resp: 379241

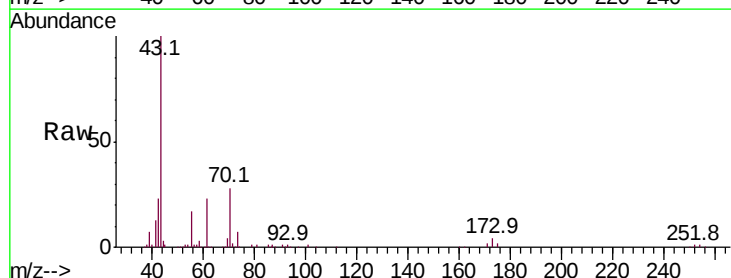
Ion Ratio Lower Upper

43 100

70 28.4 21.4 32.2

55 17.3 14.1 21.1

61 23.1 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

400000

300000

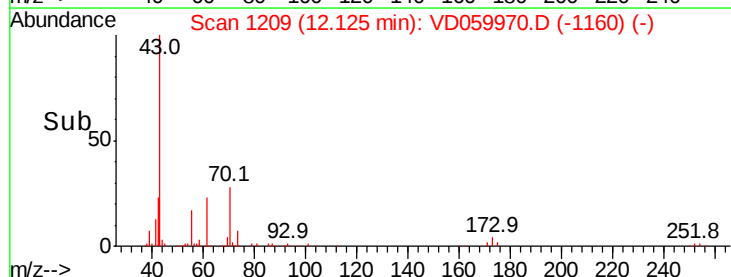
200000

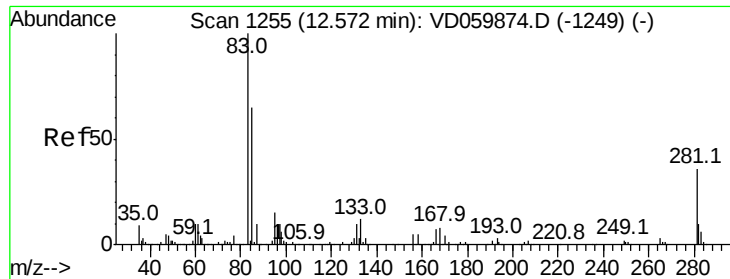
100000

0

Time-->

12.10 12.20





#75

1,1,2,2-Tetrachloroethane

Concen: 20.403 ug/l

RT: 12.55 min Scan# 1252

Delta R.T. -0.02 min

Lab File: VD059970.D

Acq: 5 Sep 2018 15:39

Instrument :

MSVOA_D

ClientSampleId :

VD0905SBS01

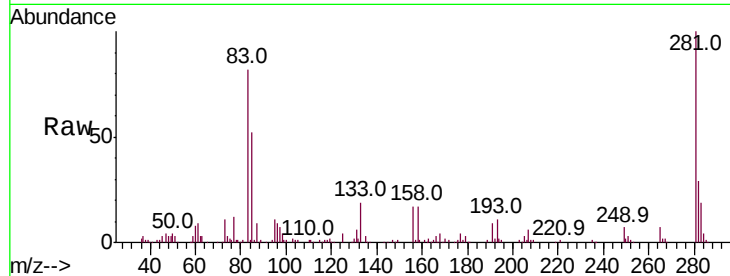
Tot Ion: 83 Resp: 217139

Ion Ratio Lower Upper

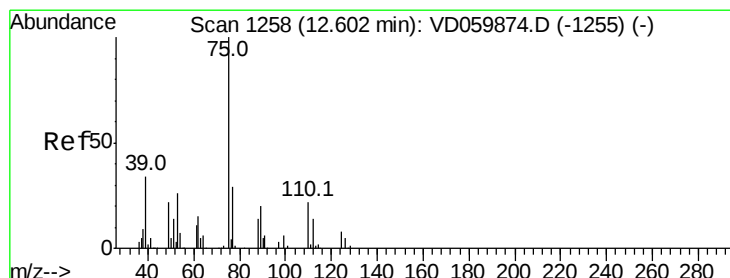
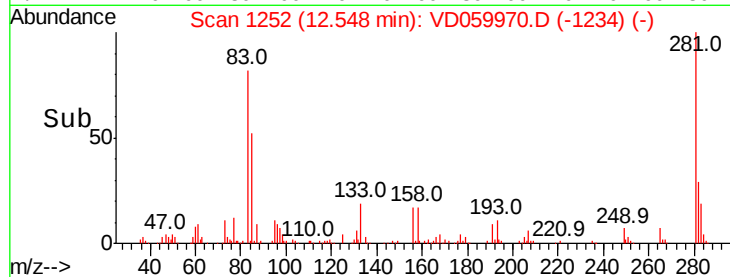
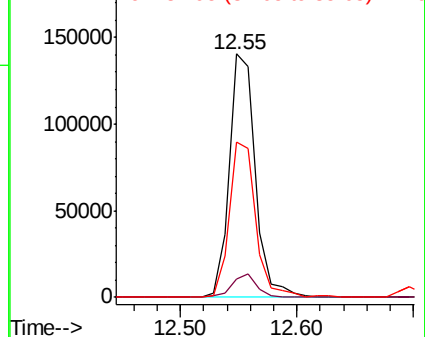
83 100

131 7.8 4.8 14.4

85 63.9 32.6 97.8



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



#76

1,2,3-Trichloropropane

Concen: 19.289 ug/l

RT: 12.59 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VD059970.D

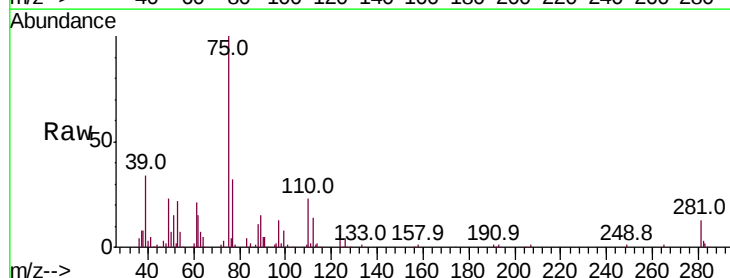
Acq: 5 Sep 2018 15:39

Tgt Ion: 75 Resp: 216090

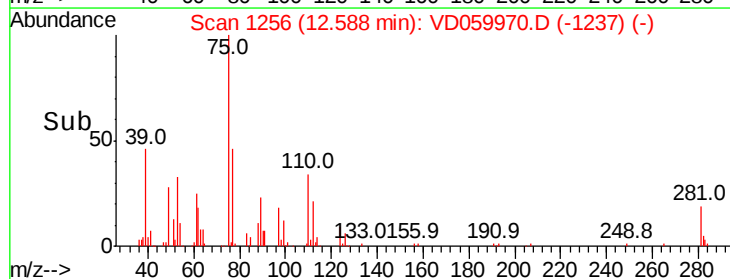
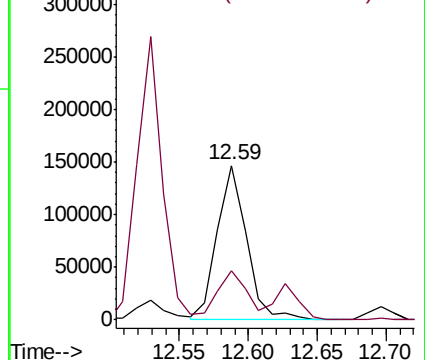
Ion Ratio Lower Upper

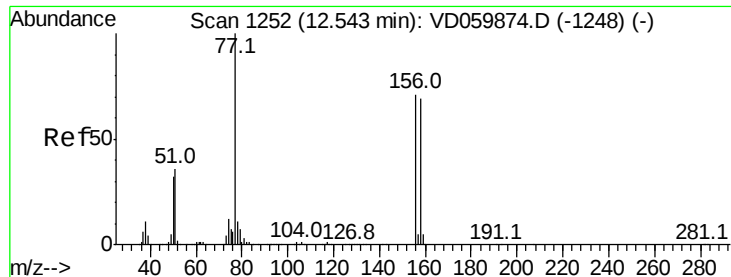
75 100

77 31.8 16.4 49.2



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

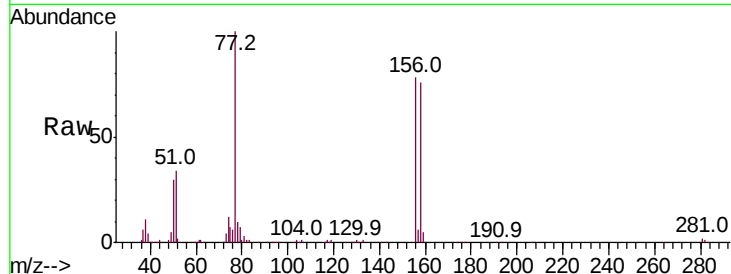




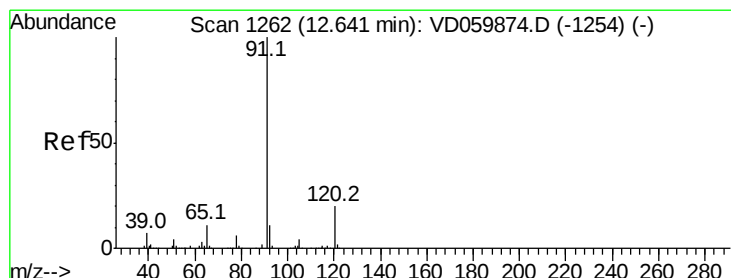
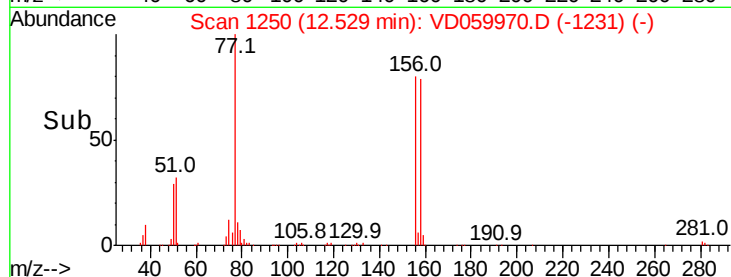
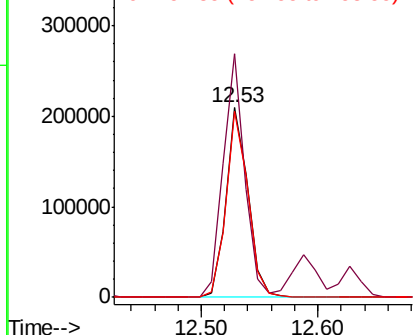
#77
Bromobenzene
Concen: 21.389 ug/l
RT: 12.53 min Scan# 1250
Delta R.T. -0.01 min
Lab File: VD059970.D
Acq: 5 Sep 2018 15:39

Instrument :
MSVOA_D
ClientSampleId :
VD0905SBSD01

Tot Ion:156 Resp: 272849
Ion Ratio Lower Upper
156 100
77 128.6 70.2 210.4
158 98.4 48.4 145.2

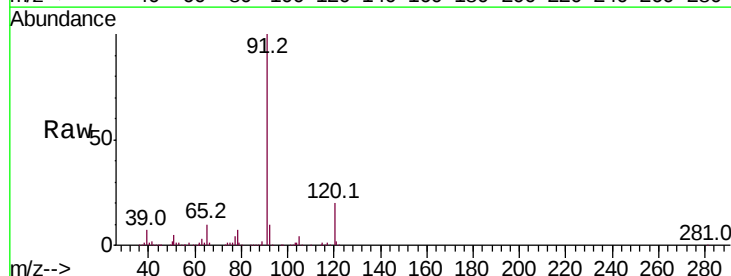


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): V
Ion 157.85 (157.55 to 158.55): V

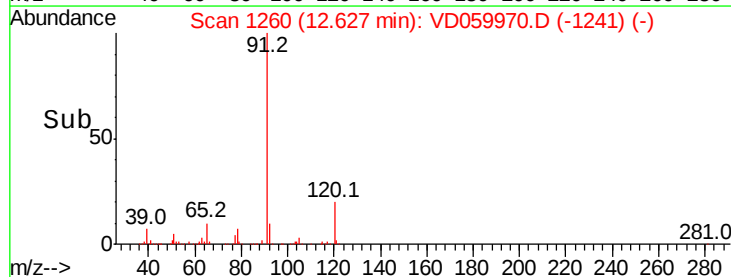
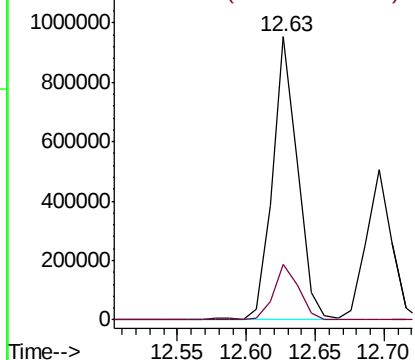


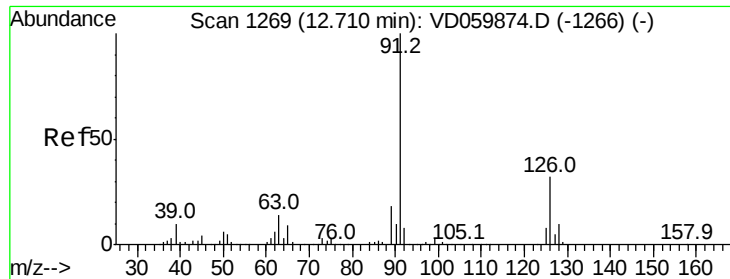
#78
n-propylbenzene
Concen: 20.619 ug/l
RT: 12.63 min Scan# 1260
Delta R.T. -0.01 min
Lab File: VD059970.D
Acq: 5 Sep 2018 15:39

Tgt Ion: 91 Resp: 1201298
Ion Ratio Lower Upper
91 100
120 19.5 10.1 30.3



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

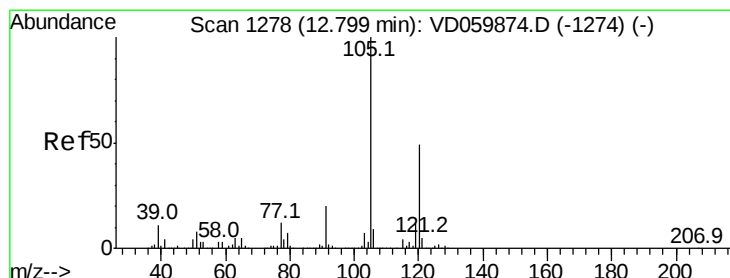
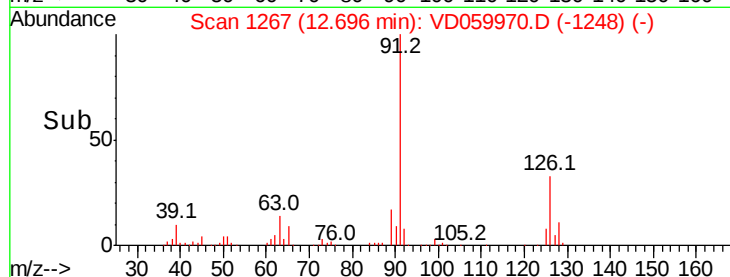
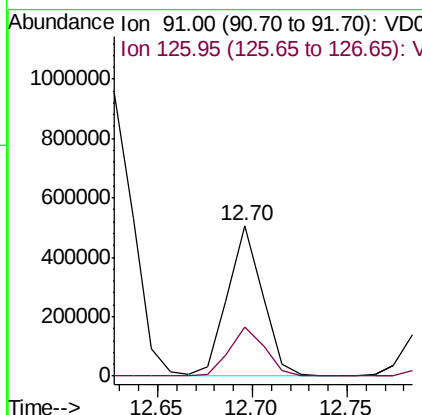
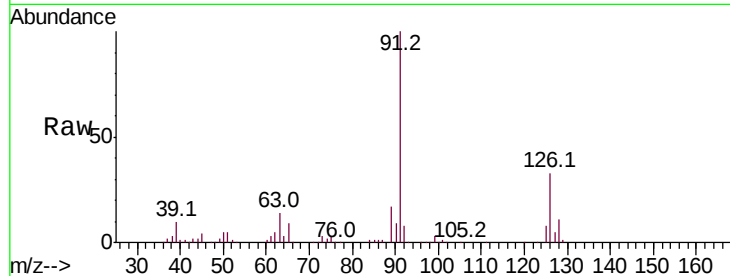




#79
 2-Chlorotoluene
 Concen: 19.681 ug/l
 RT: 12.70 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: VD059970.D
 Acq: 5 Sep 2018 15:39

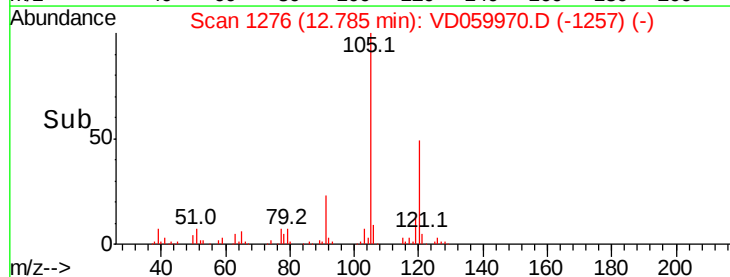
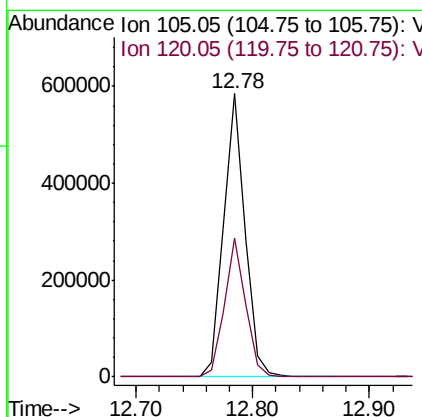
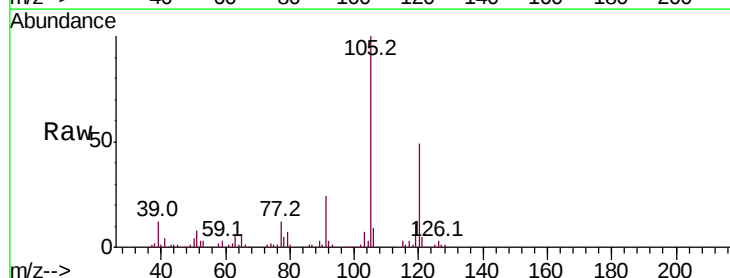
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0905SBSD01

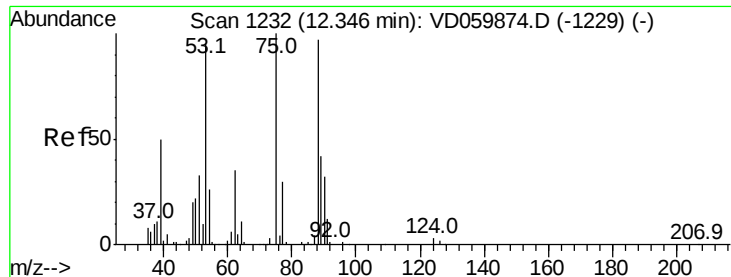
Tot Ion: 91 Resp: 648456
 Ion Ratio Lower Upper
 91 100
 126 33.0 16.1 48.2



#80
 1,3,5-Trimethylbenzene
 Concen: 20.176 ug/l
 RT: 12.78 min Scan# 1276
 Delta R.T. -0.01 min
 Lab File: VD059970.D
 Acq: 5 Sep 2018 15:39

Tgt Ion:105 Resp: 738026
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.5 73.5





#81

trans-1,4-Dichloro-2-butene

Concen: 17.335 ug/l

RT: 12.33 min Scan# 1230

Delta R.T. -0.01 min

Lab File: VD059970.D

Acq: 5 Sep 2018 15:39

Instrument :

MSVOA_D

ClientSampleId :

VD0905SBSD01

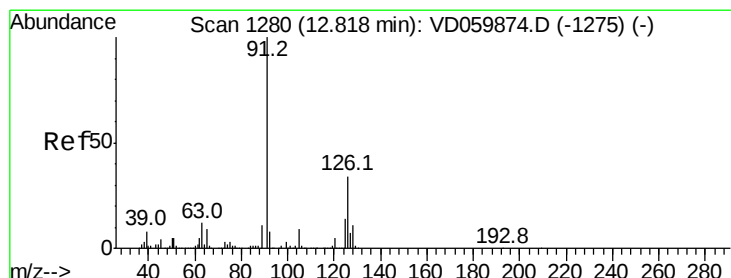
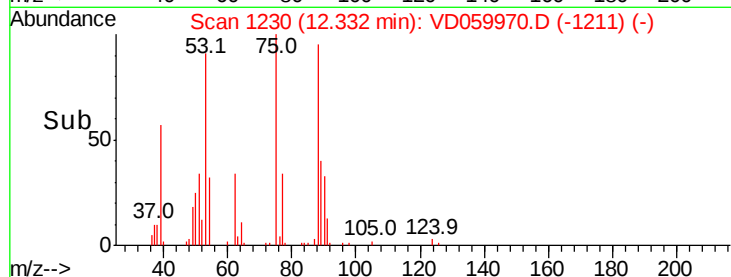
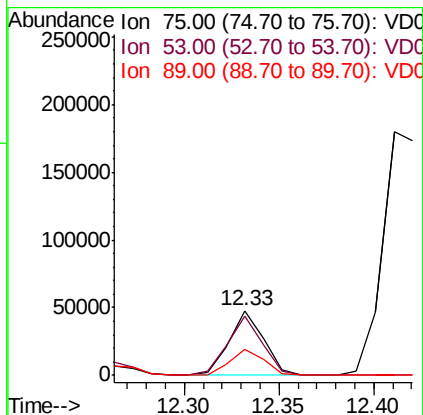
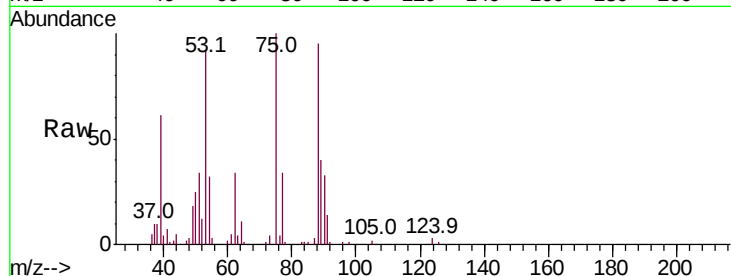
Tot Ion: 75 Resp: 60408

Ion Ratio Lower Upper

75 100

53 91.8 75.8 113.6

89 40.0 33.6 50.4



#82

4-Chlorotoluene

Concen: 20.326 ug/l

RT: 12.80 min Scan# 1278

Delta R.T. -0.01 min

Lab File: VD059970.D

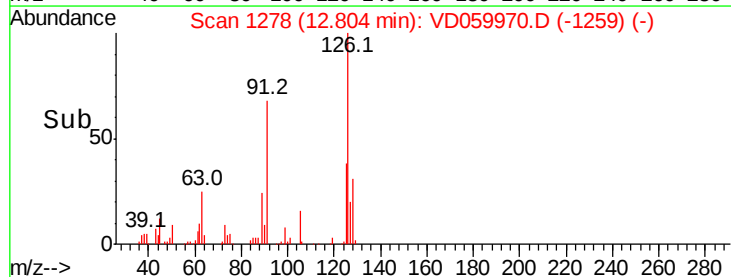
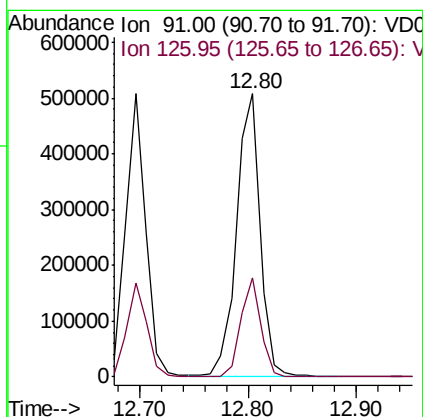
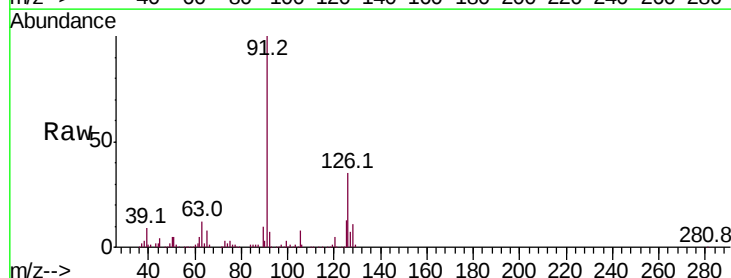
Acq: 5 Sep 2018 15:39

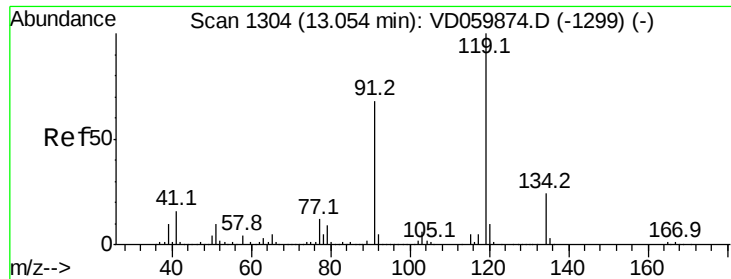
Tgt Ion: 91 Resp: 763868

Ion Ratio Lower Upper

91 100

126 35.2 17.1 51.2





#83

tert-Butylbenzene

Concen: 20.335 ug/l

RT: 13.04 min Scan# 1302

Delta R.T. -0.01 min

Lab File: VD059970.D

Acq: 5 Sep 2018 15:39

Instrument :

MSVOA_D

ClientSampleId :

VD0905SBS01

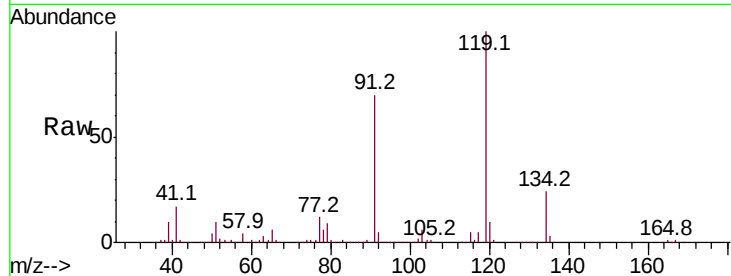
Tot Ion:119 Resp: 847352

Ion Ratio Lower Upper

119 100

91 70.5 34.3 102.9

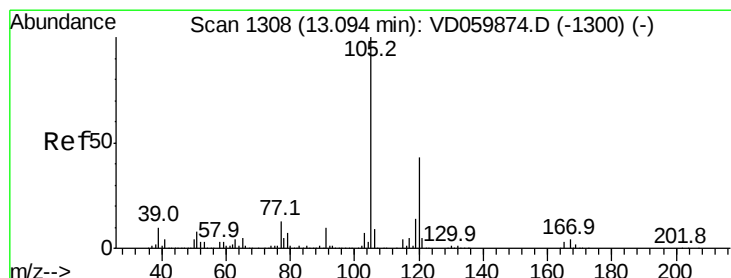
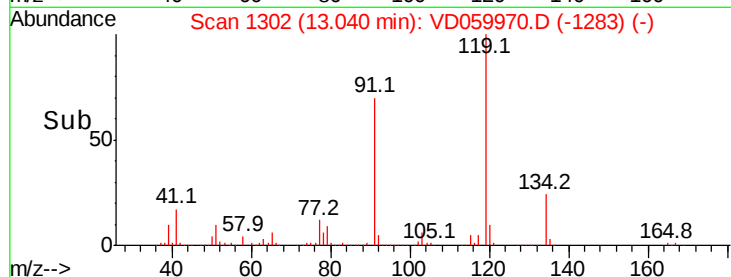
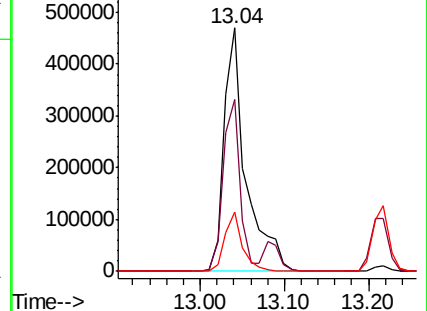
134 24.4 11.9 35.9



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.917 ug/l

RT: 13.08 min Scan# 1306

Delta R.T. -0.01 min

Lab File: VD059970.D

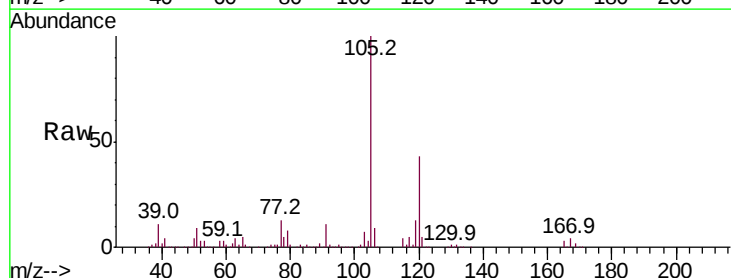
Acq: 5 Sep 2018 15:39

Tgt Ion:105 Resp: 759371

Ion Ratio Lower Upper

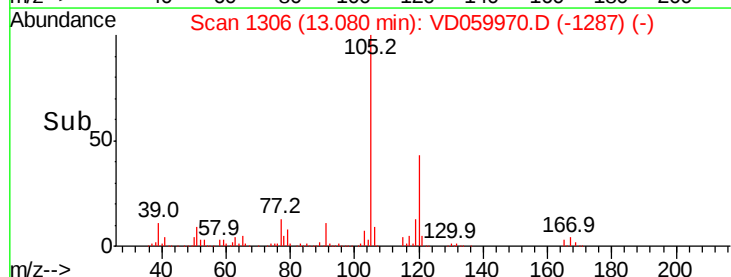
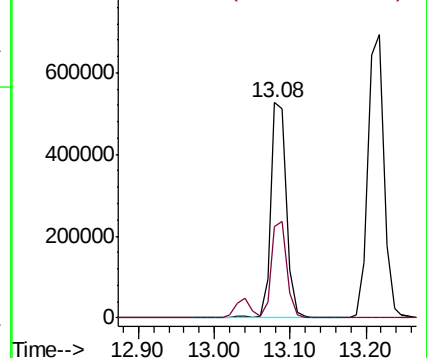
105 100

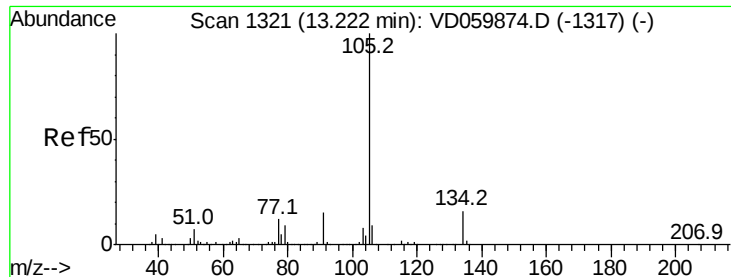
120 42.5 21.8 65.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

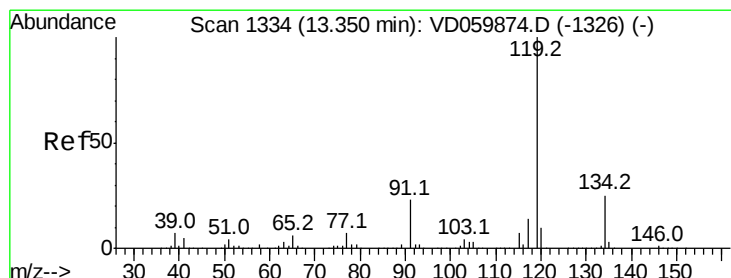
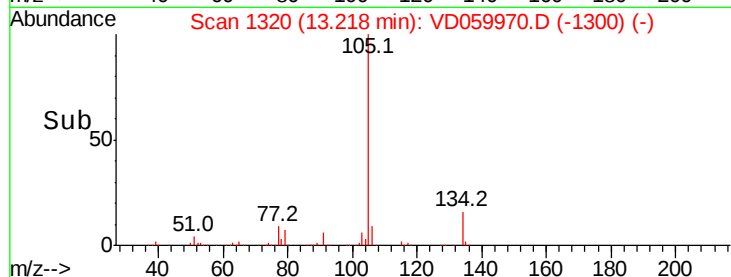
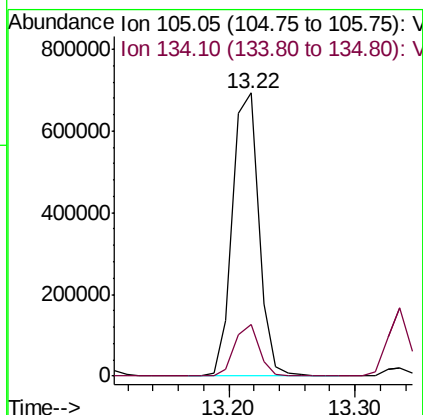
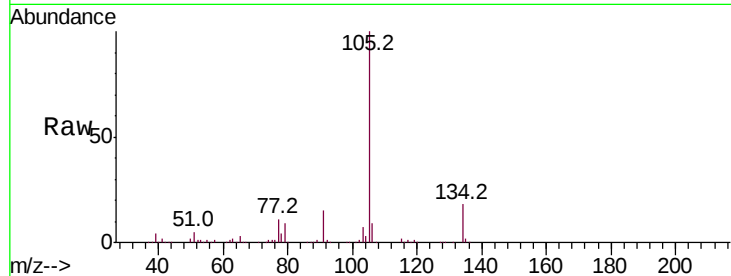




#85
 sec-Butylbenzene
 Concen: 20.354 ug/l
 RT: 13.22 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VD059970.D
 Acq: 5 Sep 2018 15:39

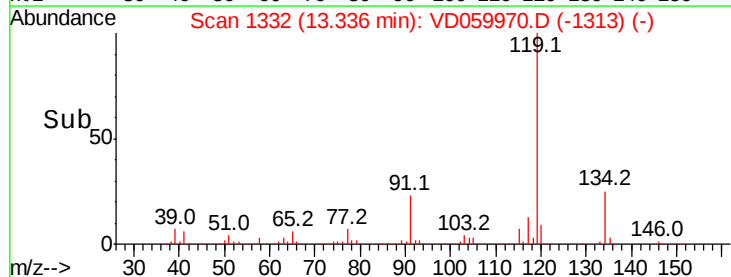
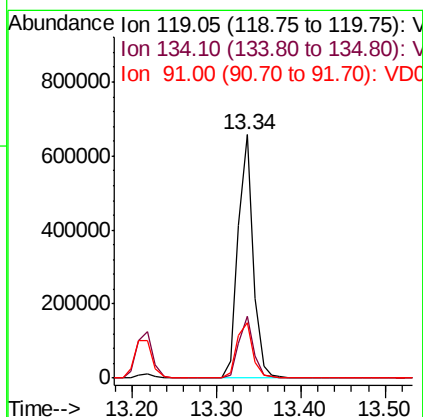
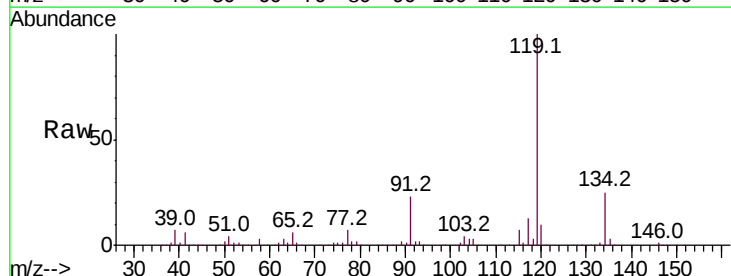
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0905SBSD01

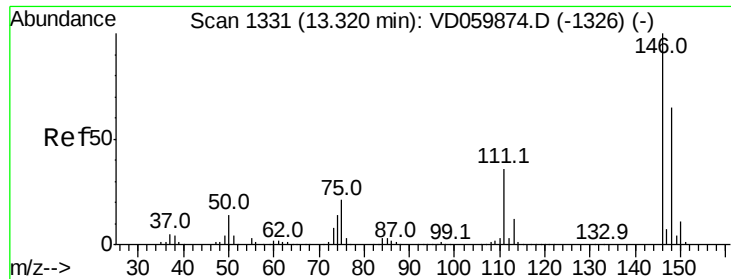
Tot Ion:105 Resp: 997396
 Ion Ratio Lower Upper
 105 100
 134 18.2 8.2 24.4



#86
 p-Isopropyltoluene
 Concen: 20.500 ug/l
 RT: 13.34 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD059970.D
 Acq: 5 Sep 2018 15:39

Tgt Ion:119 Resp: 817011
 Ion Ratio Lower Upper
 119 100
 134 25.4 12.7 38.1
 91 22.8 11.7 35.0

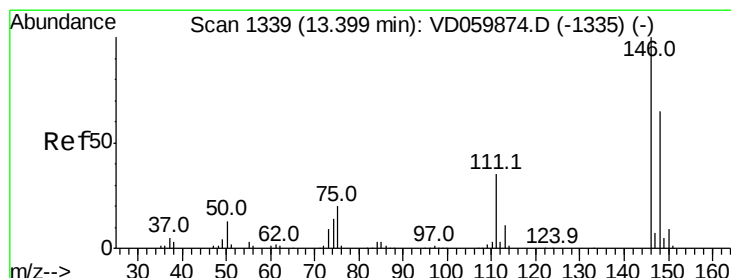
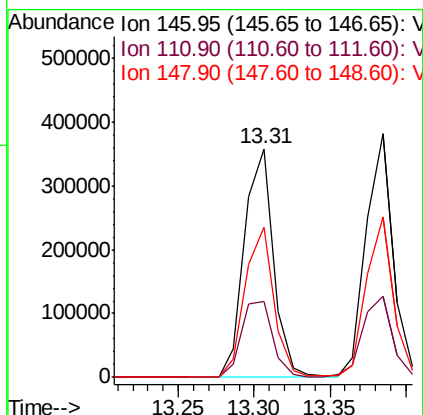
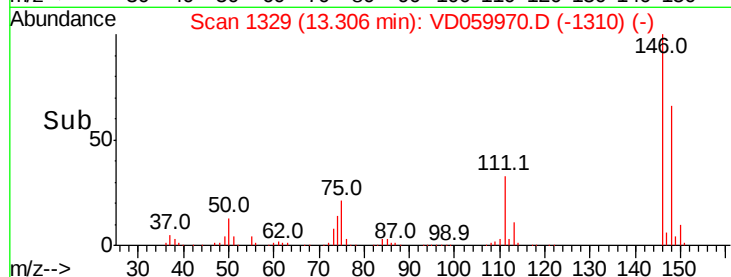
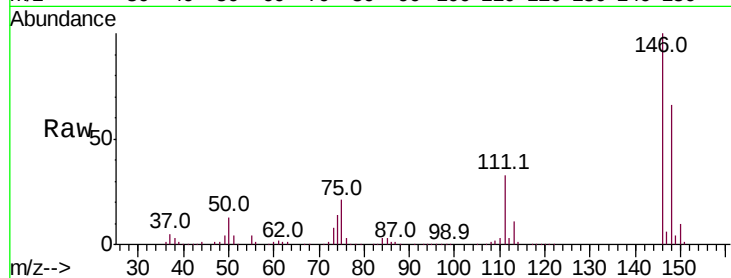




#87
 1,3-Dichlorobenzene
 Concen: 21.138 ug/l
 RT: 13.31 min Scan# 1329
 Delta R.T. -0.01 min
 Lab File: VD059970.D
 Acq: 5 Sep 2018 15:39

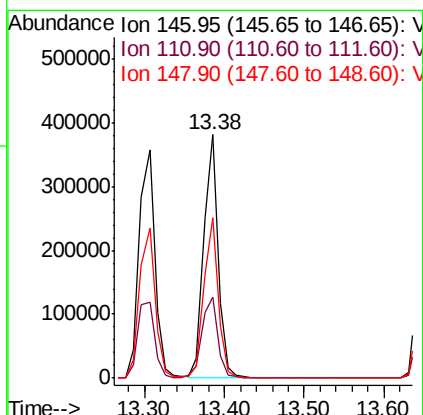
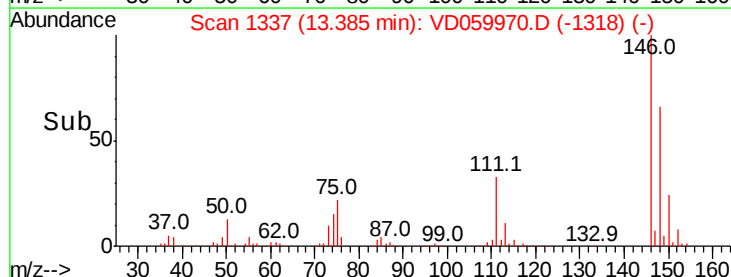
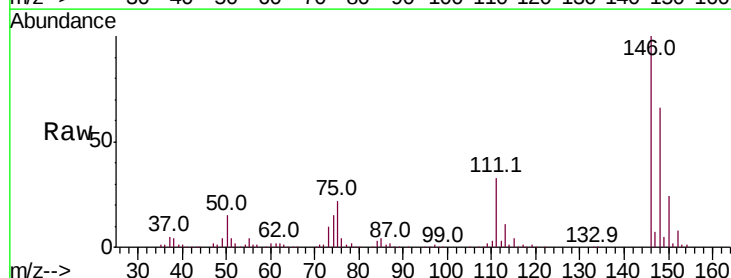
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0905SBSD01

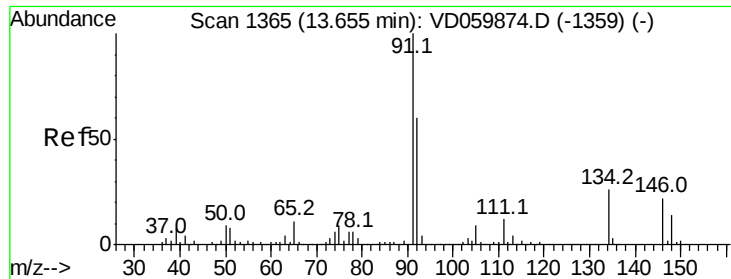
Tot Ion:146 Resp: 481400
 Ion Ratio Lower Upper
 146 100
 111 33.4 17.9 53.7
 148 65.9 32.4 97.0



#88
 1,4-Dichlorobenzene
 Concen: 21.142 ug/l
 RT: 13.38 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: VD059970.D
 Acq: 5 Sep 2018 15:39

Tgt Ion:146 Resp: 480396
 Ion Ratio Lower Upper
 146 100
 111 33.0 17.5 52.6
 148 65.7 32.5 97.5

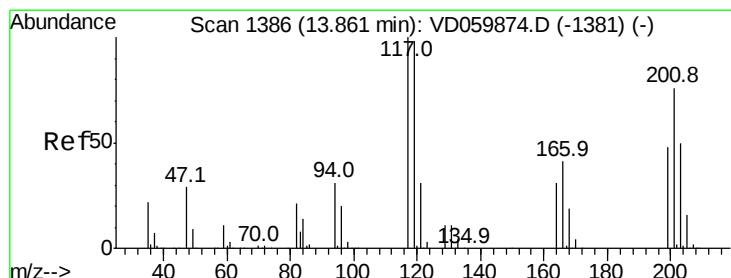
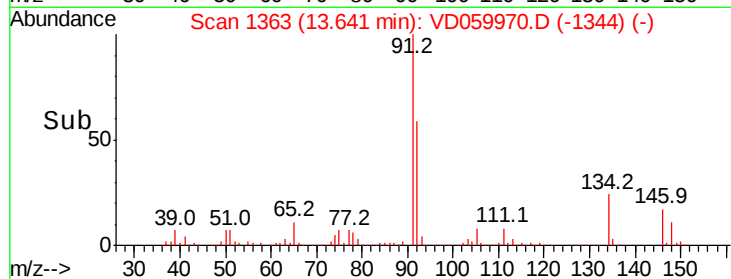
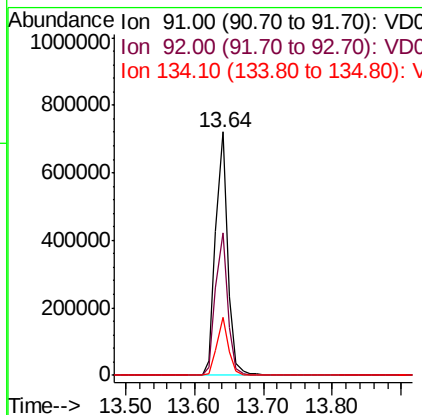
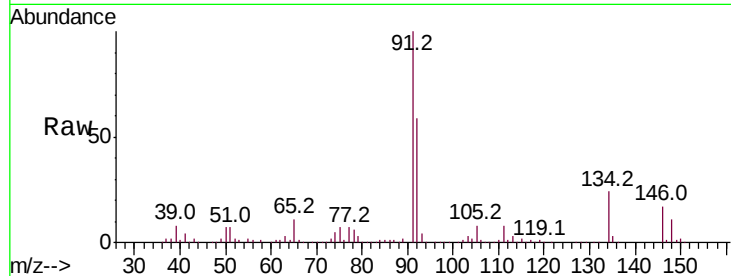




#89
n-Butylbenzene
Concen: 20.505 ug/l
RT: 13.64 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VD059970.D
Acq: 5 Sep 2018 15:39

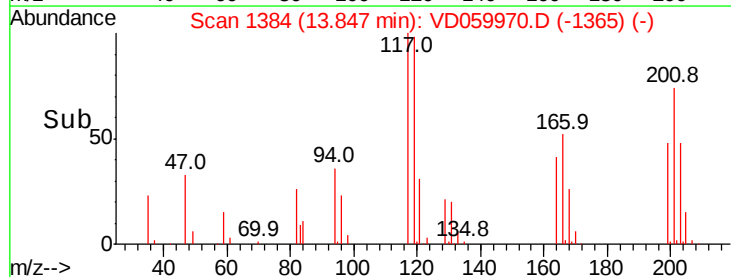
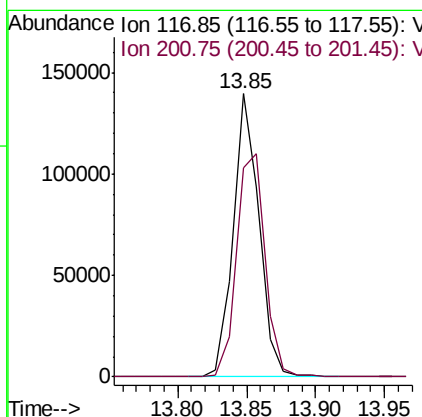
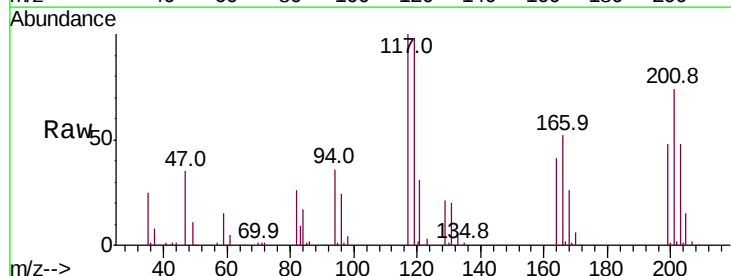
Instrument :
MSVOA_D
ClientSampleId :
VD0905SBSD01

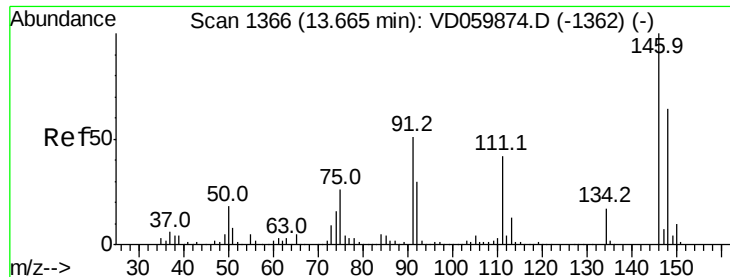
Tot Ion: 91 Resp: 882346
Ion Ratio Lower Upper
91 100
92 58.7 30.0 90.1
134 24.0 12.8 38.4



#90
Hexachloroethane
Concen: 16.930 ug/l
RT: 13.85 min Scan# 1384
Delta R.T. -0.01 min
Lab File: VD059970.D
Acq: 5 Sep 2018 15:39

Tgt Ion: 117 Resp: 181164
Ion Ratio Lower Upper
117 100
201 74.0 38.1 114.5

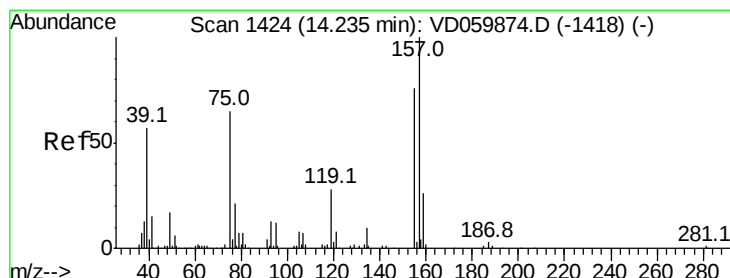
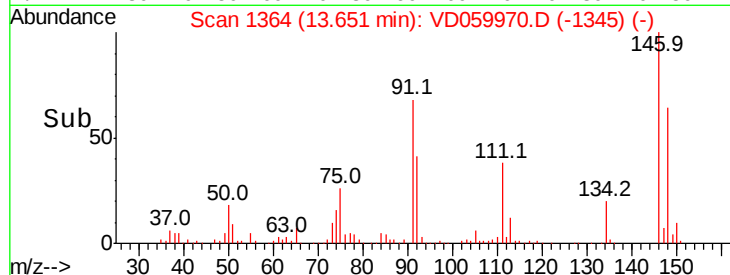
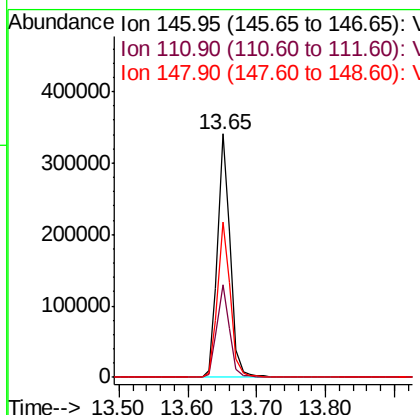
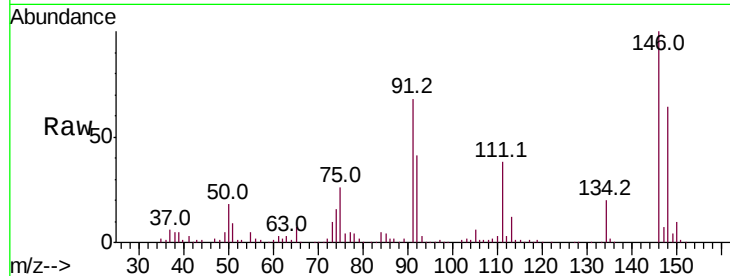




#91
 1,2-Dichlorobenzene
 Concen: 22.654 ug/l
 RT: 13.65 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD059970.D
 Acq: 5 Sep 2018 15:39

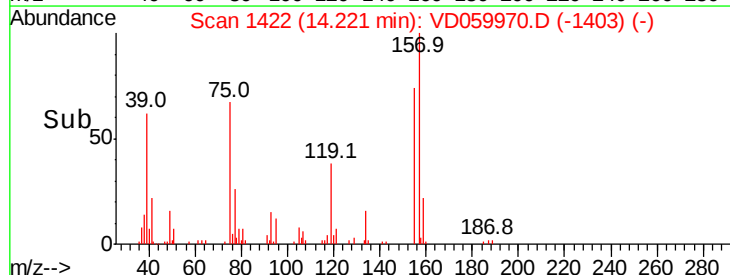
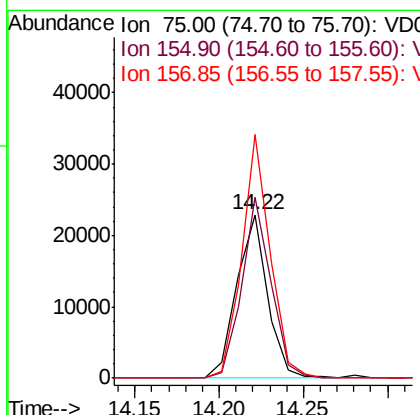
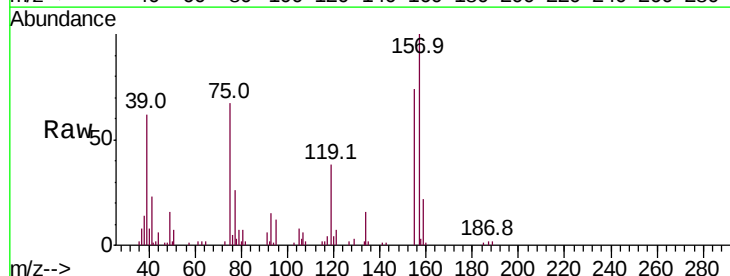
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0905SBSD01

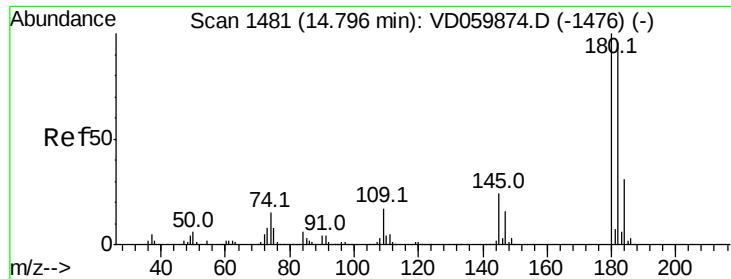
Tot Ion:146 Resp: 438695
 Ion Ratio Lower Upper
 146 100
 111 38.2 21.1 63.1
 148 63.6 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.745 ug/l
 RT: 14.22 min Scan# 1422
 Delta R.T. -0.01 min
 Lab File: VD059970.D
 Acq: 5 Sep 2018 15:39

Tgt Ion: 75 Resp: 29035
 Ion Ratio Lower Upper
 75 100
 155 110.6 58.2 174.6
 157 149.2 76.8 230.4

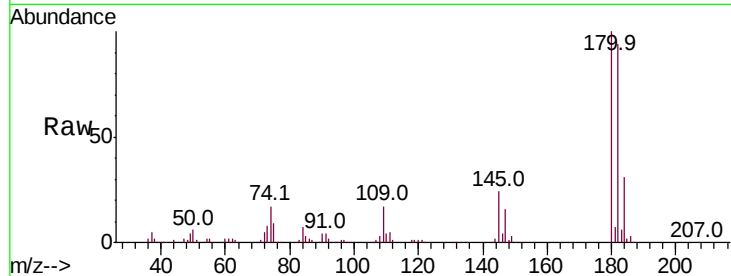




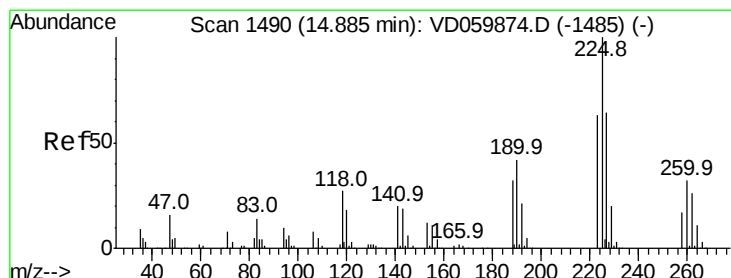
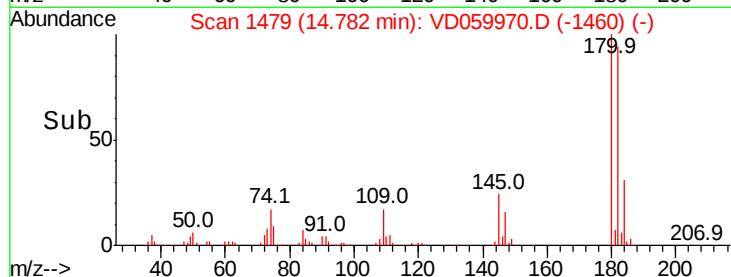
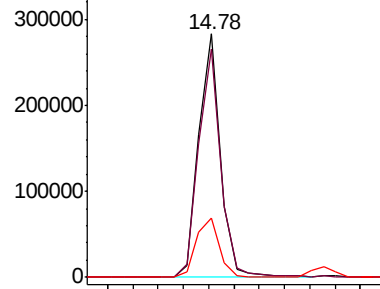
#93
 1,2,4-Trichlorobenzene
 Concen: 20.302 ug/l
 RT: 14.78 min Scan# 1479
 Delta R.T. -0.01 min
 Lab File: VD059970.D
 Acq: 5 Sep 2018 15:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0905SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.9	143.7
145	24.1	12.2	36.4

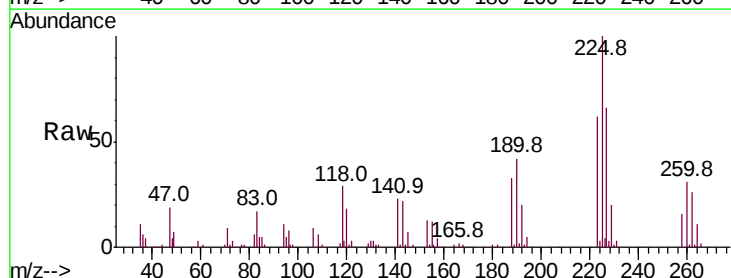


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

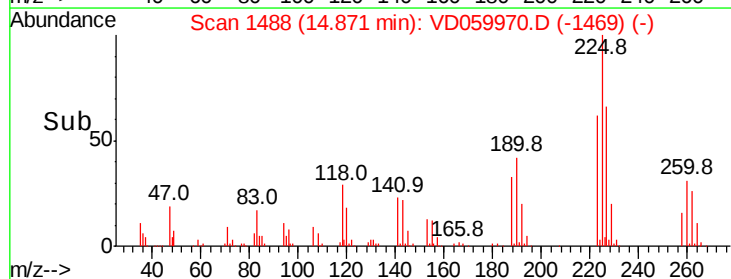
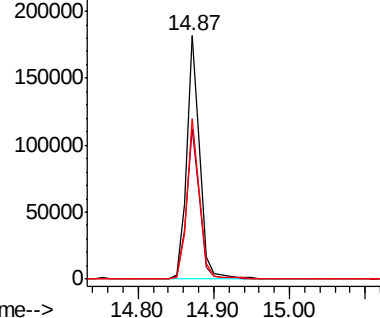


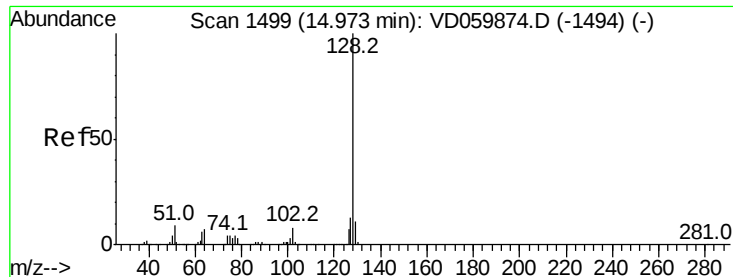
#94
 Hexachlorobutadiene
 Concen: 20.779 ug/l
 RT: 14.87 min Scan# 1488
 Delta R.T. -0.01 min
 Lab File: VD059970.D
 Acq: 5 Sep 2018 15:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.6	94.8
227	65.7	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: 20.253 ug/l

RT: 14.96 min Scan# 1497

Delta R.T. -0.01 min

Lab File: VD059970.D

Acq: 5 Sep 2018 15:39

Instrument :

MSVOA_D

ClientSampleId :

VD0905SBSD01

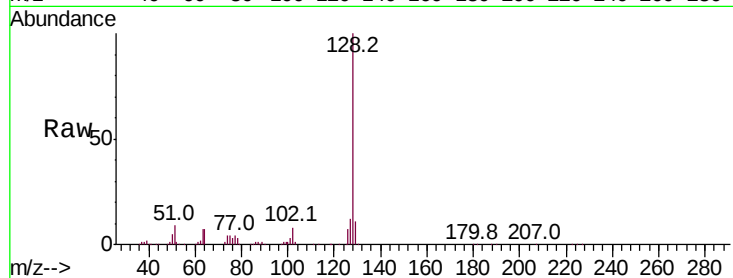
Tot Ion:128 Resp: 513179

Ion Ratio Lower Upper

128 100

127 12.1 10.0 15.0

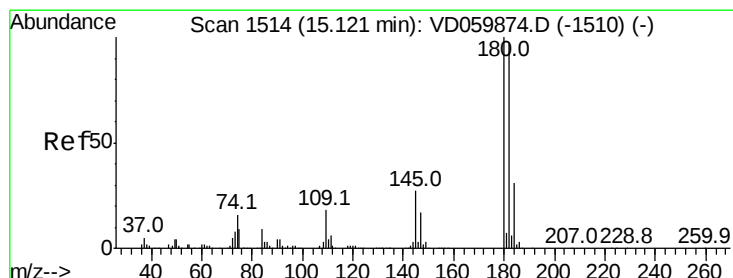
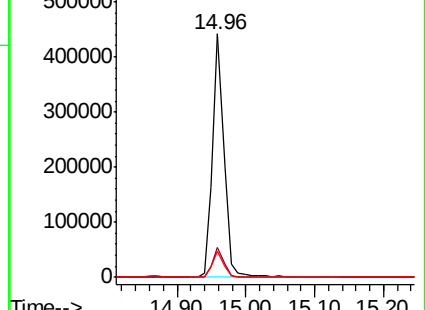
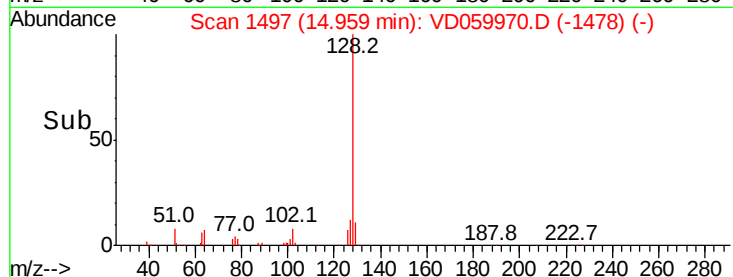
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.594 ug/l

RT: 15.11 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VD059970.D

Acq: 5 Sep 2018 15:39

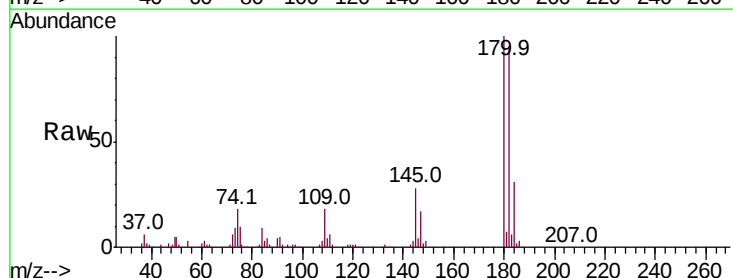
Tgt Ion:180 Resp: 292037

Ion Ratio Lower Upper

180 100

182 94.9 48.6 145.8

145 27.7 13.6 40.8



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

