

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082318\
 Data File : VD059884.D
 Acq On : 23 Aug 2018 13:17
 Operator : JC/SY
 Sample : VD0823SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBS01

Quant Time: Aug 23 14:42:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1150605	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.44	114	1593557	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.28	117	1318738	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	720389	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.78	65	494677	51.01	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	102.02%	
35) Dibromofluoromethane	6.31	113	631755	50.57	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	101.14%	
50) Toluene-d8	9.45	98	1753311	50.57	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	101.14%	
62) 4-Bromofluorobenzene	12.42	95	683938	48.57	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	97.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	175253	17.039	ug/l	98
3) Chloromethane	1.75	50	164414	17.646	ug/l	97
4) Vinyl Chloride	1.84	62	130690	17.888	ug/l	98
5) Bromomethane	2.12	94	12952	10.268	ug/l	82
6) Chloroethane	2.23	64	31344	11.839	ug/l	94
7) Trichlorofluoromethane	2.49	101	144798	17.132	ug/l	100
8) Diethyl Ether	2.81	74	36249	19.117	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.07	101	103033	19.905	ug/l	96
10) Methyl Iodide	3.22	142	74512	16.042	ug/l	96
11) Tert butyl alcohol	3.97	59	75938	102.623	ug/l #	93
12) 1,1-Dichloroethene	3.06	96	77055	19.123	ug/l	98
13) Acrolein	2.97	56	25510	79.485	ug/l	96
14) Allyl chloride	3.52	41	174120	19.100	ug/l	96
15) Acrylonitrile	4.07	53	279244	100.774	ug/l	98
16) Acetone	3.14	43	161609	91.468	ug/l	97
17) Carbon Disulfide	3.29	76	198531	15.873	ug/l	99
18) Methyl Acetate	3.54	43	63584	17.239	ug/l	97
19) Methyl tert-butyl Ether	4.11	73	458329	20.106	ug/l	100
20) Methylene Chloride	3.71	84	259518	19.756	ug/l	96
21) trans-1,2-Dichloroethene	4.08	96	199273	17.949	ug/l	92
22) Diisopropyl ether	4.85	45	919846	19.785	ug/l	96
23) Vinyl Acetate	4.79	43	2755364	106.018	ug/l	99
24) 1,1-Dichloroethane	4.74	63	390784	19.456	ug/l	99
25) 2-Butanone	5.61	43	463502	88.576	ug/l	100
26) 2,2-Dichloropropane	5.58	77	324188	19.308	ug/l	98
27) cis-1,2-Dichloroethene	5.58	96	236345	19.443	ug/l	98
28) Bromochloromethane	5.91	49	194230	20.177	ug/l	99
29) Tetrahydrofuran	5.95	42	244537	98.160	ug/l	100
30) Chloroform	6.09	83	407780	19.978	ug/l	100
31) Cyclohexane	6.35	56	318536	17.251	ug/l	98
32) 1,1,1-Trichloroethane	6.28	97	330169	19.058	ug/l	97
36) 1,1-Dichloropropene	6.51	75	277898	19.237	ug/l	93
37) Ethyl Acetate	5.68	43	233386	20.762	ug/l	97
38) Carbon Tetrachloride	6.49	117	282913	19.407	ug/l	96

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 Sample : VD0823SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
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 MSVOA_D
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 VD0823SBSD01

Quant Time: Aug 23 14:42:21 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	8.04	83	268039	17.174	ug/l	97
40) Benzene	6.79	78	679636	18.094	ug/l	98
41) Methacrylonitrile	5.94	41	259097	45.757	ug/l #	83
42) 1,2-Dichloroethane	6.88	62	238304	19.763	ug/l	98
43) Isopropyl Acetate	8.34	43	293490	20.069	ug/l #	98
44) Trichloroethene	7.73	130	208365	18.840	ug/l	96
45) 1,2-Dichloropropane	8.09	63	206532	19.671	ug/l	98
46) Dibromomethane	8.20	93	129768	19.222	ug/l	92
47) Bromodichloromethane	8.49	83	306467	20.053	ug/l	100
48) Methyl methacrylate	8.24	41	167430	19.640	ug/l	97
49) 1,4-Dioxane	8.22	88	29130	382.738	ug/l	95
51) 4-Methyl-2-Pentanone	9.33	43	1002451	91.946	ug/l	97
52) Toluene	9.54	92	468835	19.465	ug/l	98
53) t-1,3-Dichloropropene	9.92	75	285377	20.189	ug/l	97
54) cis-1,3-Dichloropropene	9.10	75	331921	20.252	ug/l	99
55) 1,1,2-Trichloroethane	10.18	97	170617	19.379	ug/l	98
56) Ethyl methacrylate	10.02	69	204150	20.092	ug/l	97
57) 1,3-Dichloropropane	10.38	76	260907	20.475	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.92	63	558493	114.578	ug/l	98
59) 2-Hexanone	10.49	43	748604	93.091	ug/l	98
60) Dibromochloromethane	10.63	129	218566	19.751	ug/l	99
61) 1,2-Dibromoethane	10.75	107	176032	19.774	ug/l	98
64) Tetrachloroethene	10.25	164	194733	19.097	ug/l	98
65) Chlorobenzene	11.31	112	538378	20.544	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.42	131	198328	20.715	ug/l	100
67) Ethyl Benzene	11.42	91	928362	21.057	ug/l	96
68) m/p-Xylenes	11.56	106	675466	42.080	ug/l	94
69) o-Xylene	11.93	106	321326	20.467	ug/l	94
70) Styrene	11.95	104	557764	20.518	ug/l	97
71) Bromoform	12.11	173	169711	20.487	ug/l	99
73) Isopropylbenzene	12.28	105	861305	18.730	ug/l	99
74) N-amyl acetate	12.13	43	397122	19.723	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.56	83	213713	20.092	ug/l	97
76) 1,2,3-Trichloropropane	12.59	75	220492	19.693	ug/l	98
77) Bromobenzene	12.54	156	251942	19.761	ug/l	83
78) n-propylbenzene	12.63	91	1145920	19.679	ug/l	97
79) 2-Chlorotoluene	12.70	91	646263	19.625	ug/l	97
80) 1,3,5-Trimethylbenzene	12.79	105	752101	20.571	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.34	75	64890	18.631	ug/l	98
82) 4-Chlorotoluene	12.81	91	776550	20.674	ug/l	96
83) tert-Butylbenzene	13.04	119	820235	19.695	ug/l	95
84) 1,2,4-Trimethylbenzene	13.09	105	757500	19.878	ug/l	97
85) sec-Butylbenzene	13.22	105	934340	19.077	ug/l	98
86) p-Isopropyltoluene	13.34	119	783383	19.667	ug/l	98
87) 1,3-Dichlorobenzene	13.31	146	443359	19.478	ug/l	99
88) 1,4-Dichlorobenzene	13.39	146	447810	19.719	ug/l	99
89) n-Butylbenzene	13.64	91	839867	19.411	ug/l	97
90) Hexachloroethane	13.85	117	195191	18.250	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	409931	21.180	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.23	75	33232	20.321	ug/l	82

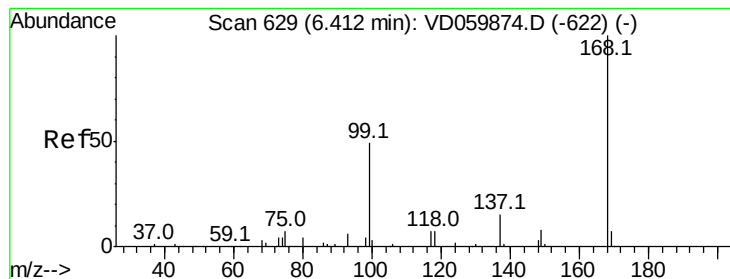
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082318\
Data File : VD059884.D
Acq On : 23 Aug 2018 13:17
Operator : JC/SY
Sample : VD0823SBSD01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
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Quant Time: Aug 23 14:42:21 2018
Quant Method : Z:\V0ASRV\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	14.79	180	323951	19.548	ug/l	99
94) Hexachlorobutadiene	14.87	225	216458	19.926	ug/l	98
95) Naphthalene	14.96	128	489827	19.342	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	274371	19.359	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.39 min Scan# 627

Delta R.T. -0.02 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

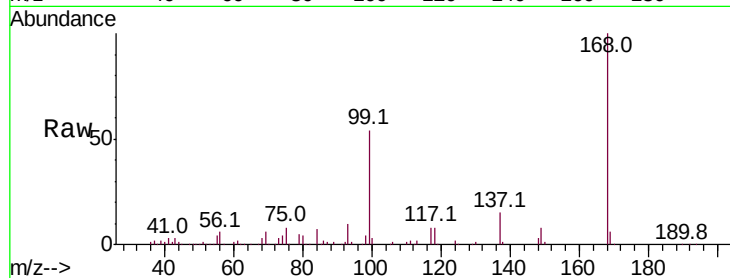
VD0823SBSD01

Tot Ion:168 Resp: 1150605

Ion Ratio Lower Upper

168 100

99 53.7 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.39

400000

300000

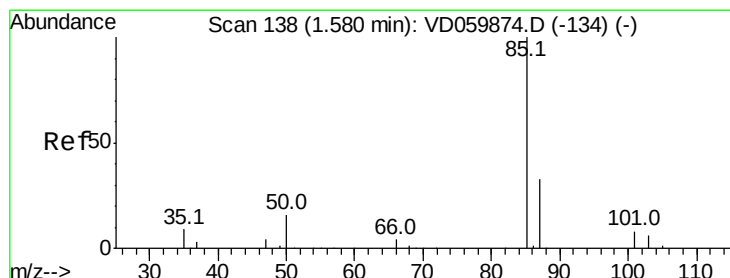
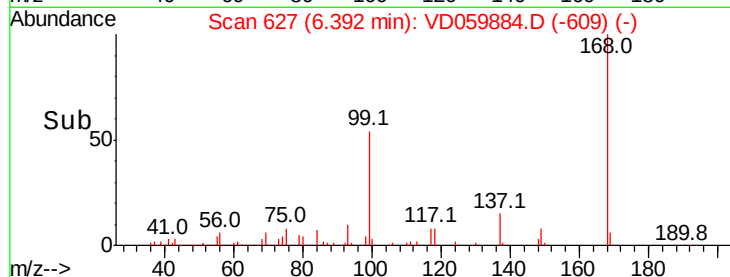
200000

100000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 17.039 ug/l

RT: 1.57 min Scan# 137

Delta R.T. -0.01 min

Lab File: VD059884.D

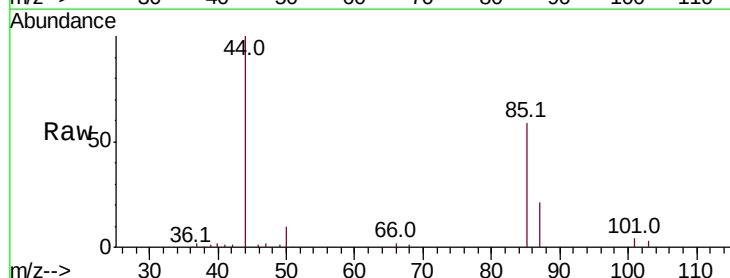
Acq: 23 Aug 2018 13:17

Tgt Ion: 85 Resp: 175253

Ion Ratio Lower Upper

85 100

87 34.6 16.8 50.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

60000

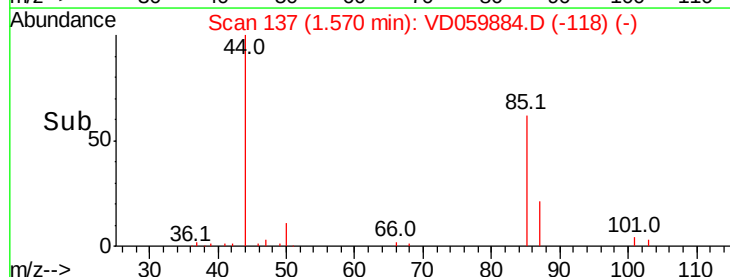
40000

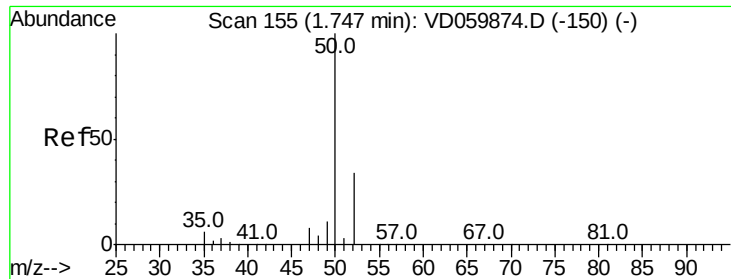
20000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 17.646 ug/l

RT: 1.75 min Scan# 155

Delta R.T. -0.00 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

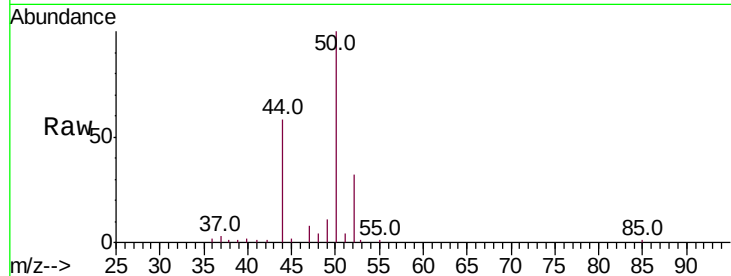
VD0823SBSD01

Tot Ion: 50 Resp: 164414

Ion Ratio Lower Upper

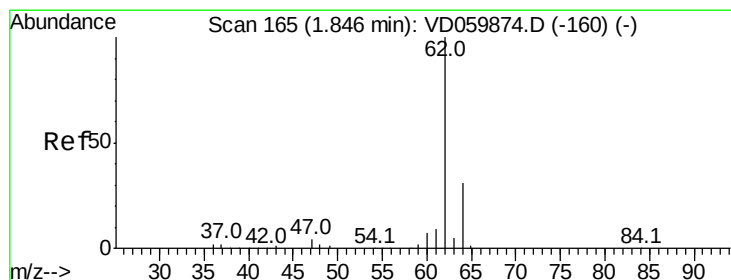
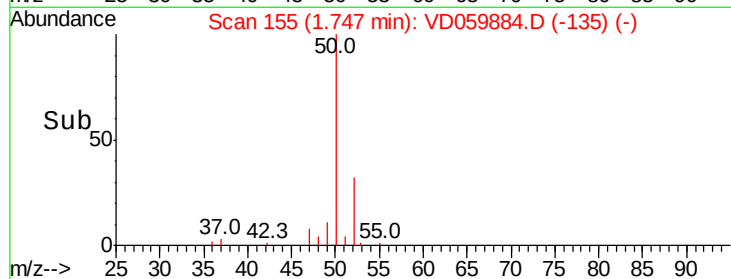
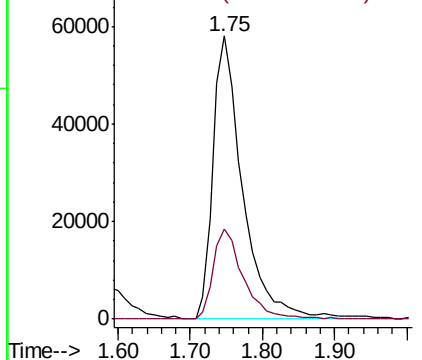
50 100

52 31.9 27.0 40.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 17.888 ug/l

RT: 1.84 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD059884.D

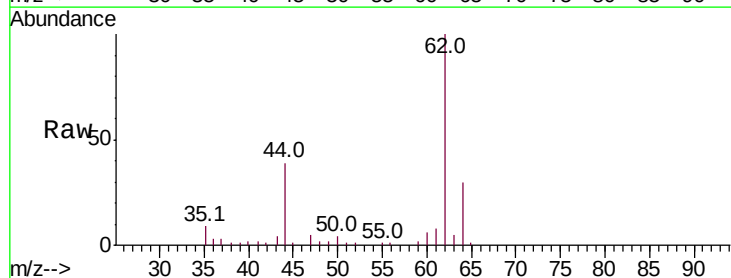
Acq: 23 Aug 2018 13:17

Tgt Ion: 62 Resp: 130690

Ion Ratio Lower Upper

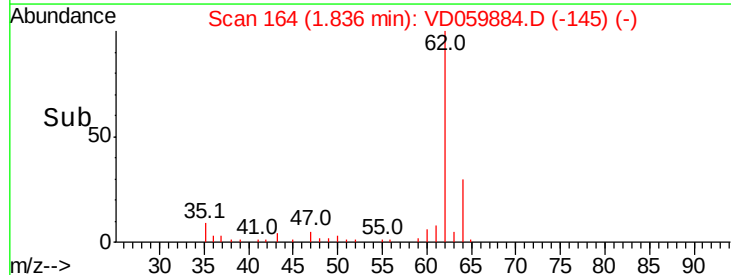
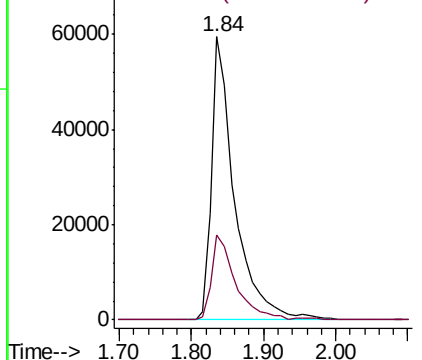
62 100

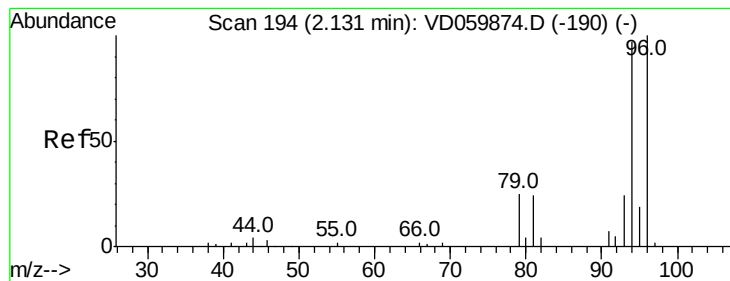
64 30.1 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 10.268 ug/l

RT: 2.12 min Scan# 193

Delta R.T. -0.01 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

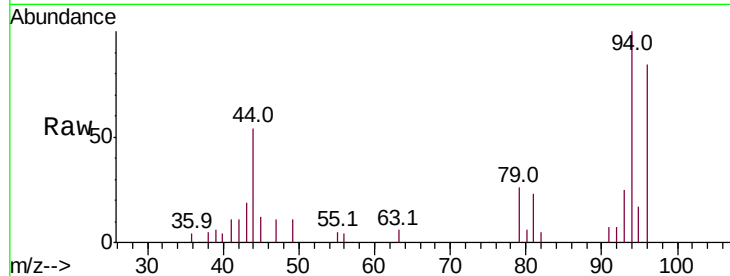
VD0823SBSD01

Tot Ion: 94 Resp: 12952

Ion Ratio Lower Upper

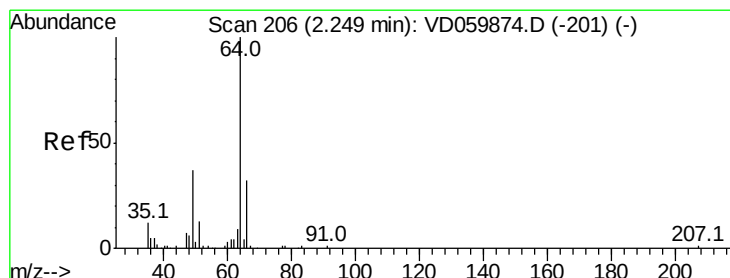
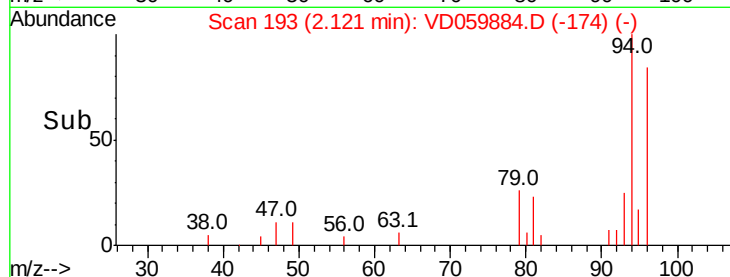
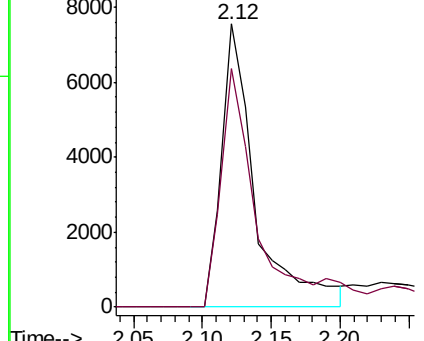
94 100

96 84.3 82.4 123.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 11.839 ug/l

RT: 2.23 min Scan# 204

Delta R.T. -0.02 min

Lab File: VD059884.D

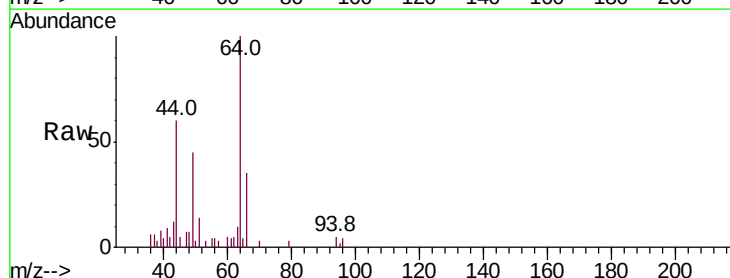
Acq: 23 Aug 2018 13:17

Tgt Ion: 64 Resp: 31344

Ion Ratio Lower Upper

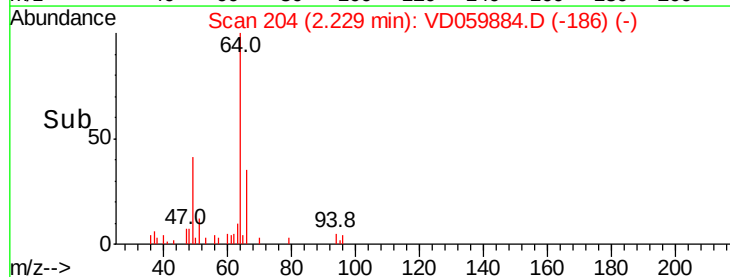
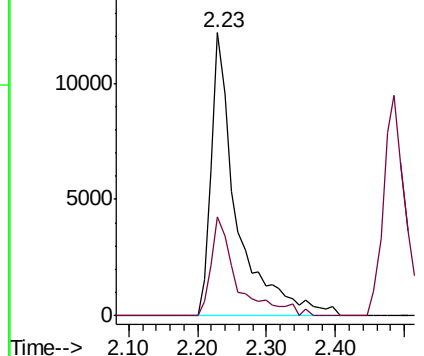
64 100

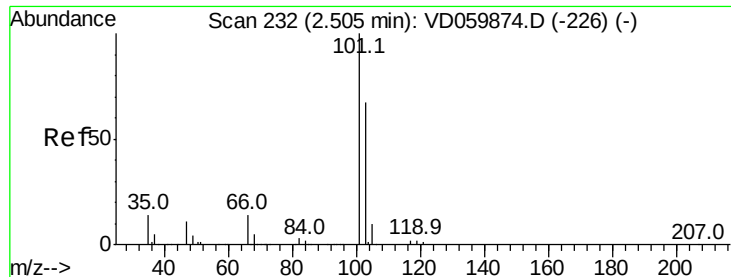
66 35.0 25.3 37.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



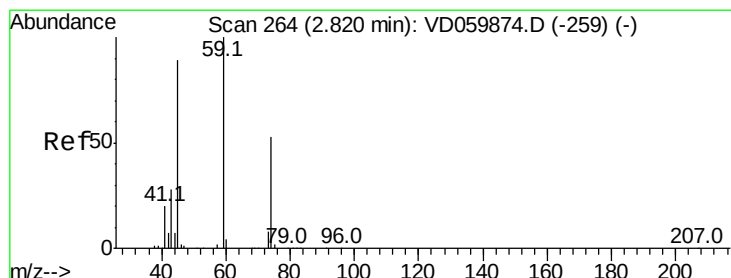
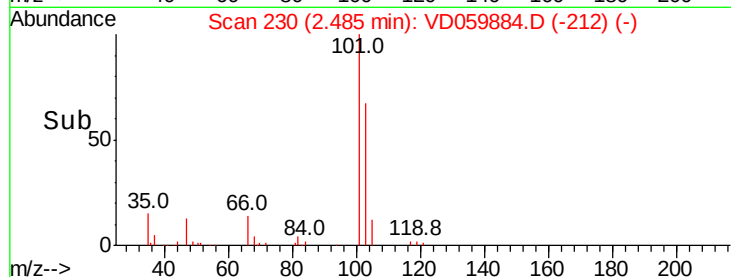
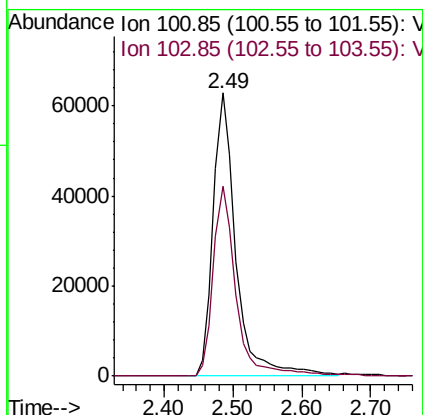
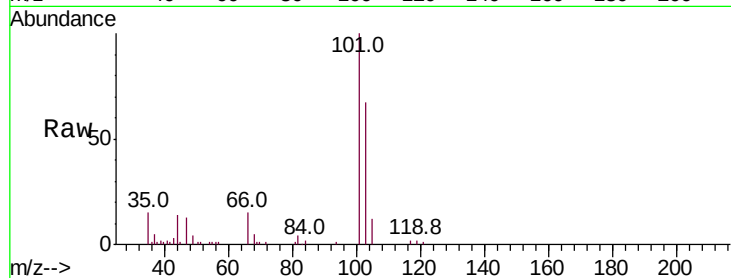


#7

Trichlorofluoromethane
Concen: 17.132 ug/l
RT: 2.49 min Scan# 230
Delta R.T. -0.02 min
Lab File: VD059884.D
Acq: 23 Aug 2018 13:17

Instrument :
MSVOA_D
ClientSampleId :
VD0823SBSD01

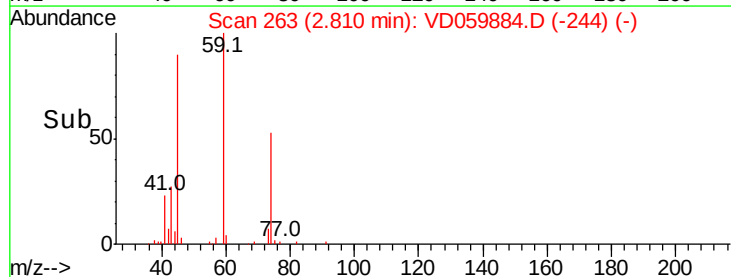
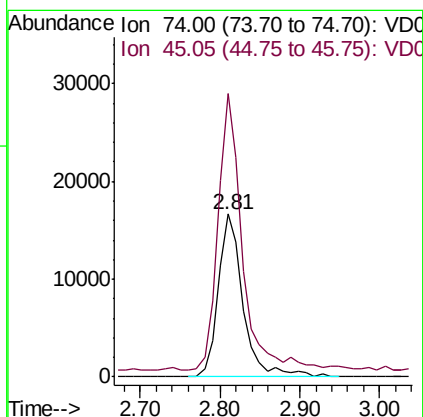
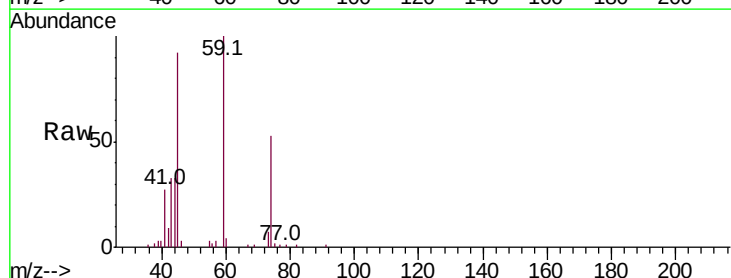
Tot Ion:101 Resp: 144798
Ion Ratio Lower Upper
101 100
103 67.3 53.7 80.5

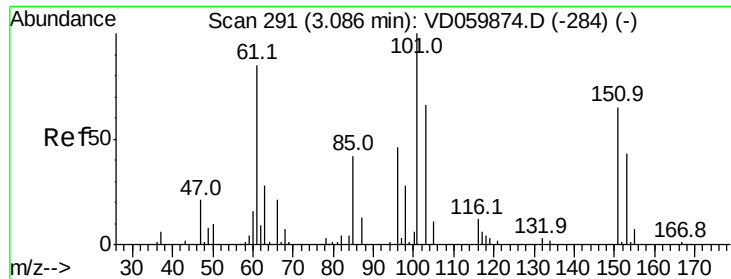


#8

Diethyl Ether
Concen: 19.117 ug/l
RT: 2.81 min Scan# 263
Delta R.T. -0.01 min
Lab File: VD059884.D
Acq: 23 Aug 2018 13:17

Tgt Ion: 74 Resp: 36249
Ion Ratio Lower Upper
74 100
45 174.2 85.7 257.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.905 ug/l

RT: 3.07 min Scan# 289

Delta R.T. -0.02 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBSD01

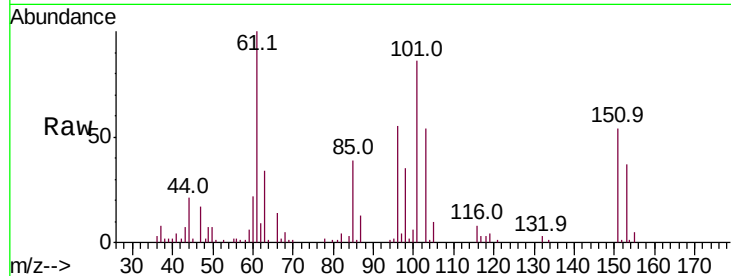
Tot Ion:101 Resp: 103033

Ion Ratio Lower Upper

101 100

85 45.5 33.6 50.4

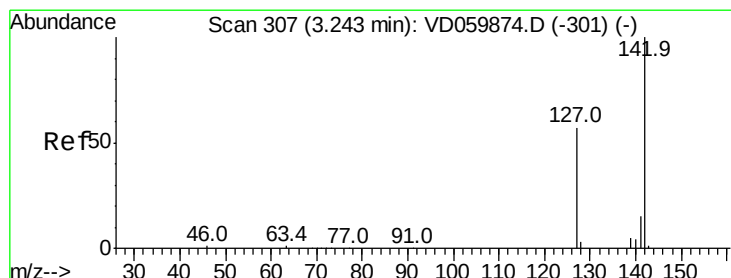
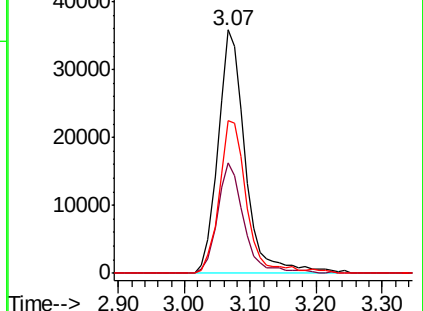
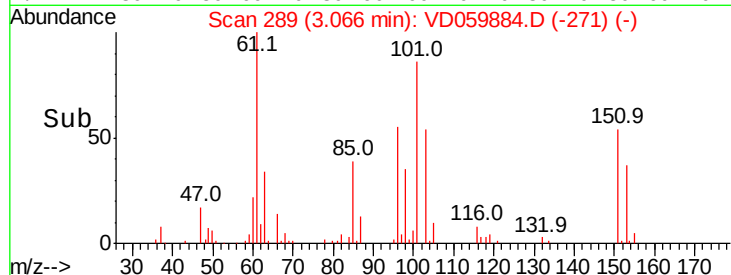
151 62.5 52.0 78.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 16.042 ug/l

RT: 3.22 min Scan# 305

Delta R.T. -0.02 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

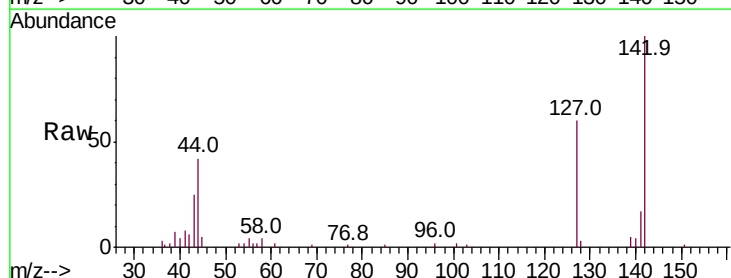
Tgt Ion:142 Resp: 74512

Ion Ratio Lower Upper

142 100

127 60.1 45.8 68.6

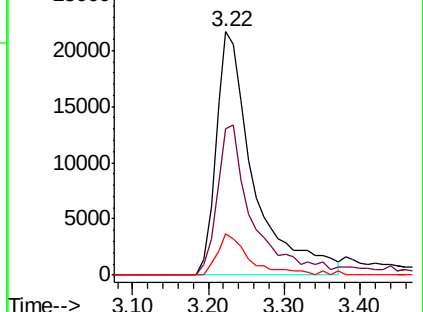
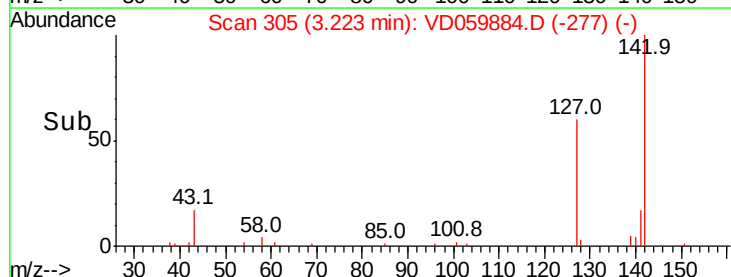
141 16.9 11.6 17.4

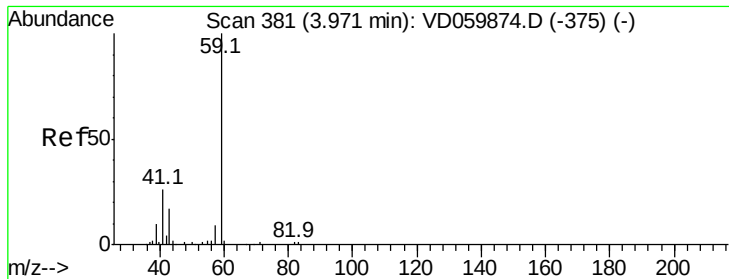


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



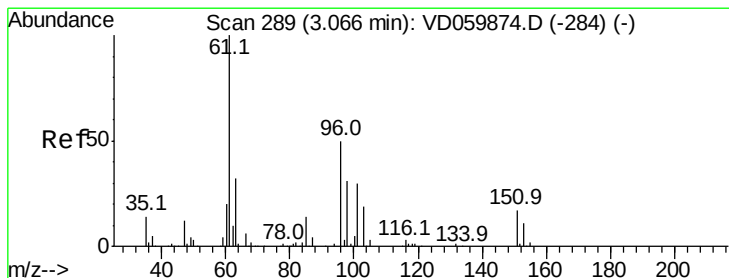
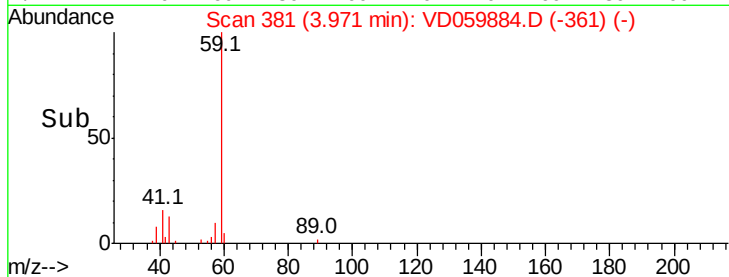
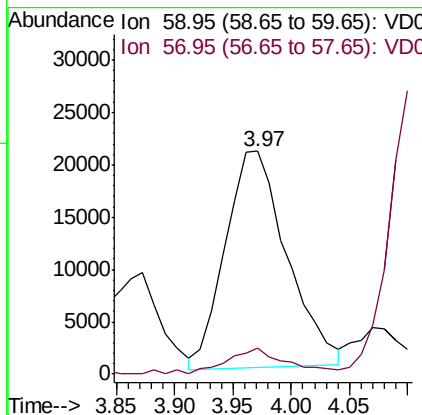
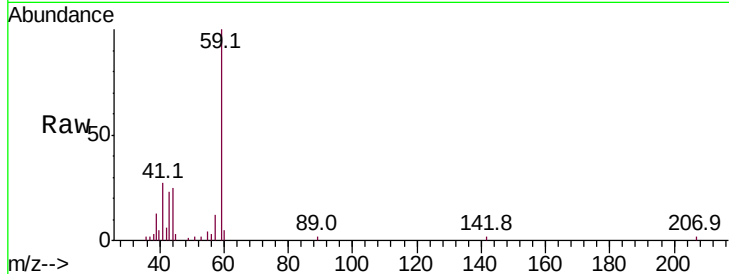


#11

Tert butyl alcohol
 Concen: 102.623 ug/l
 RT: 3.97 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: VD059884.D
 Acq: 23 Aug 2018 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBS01

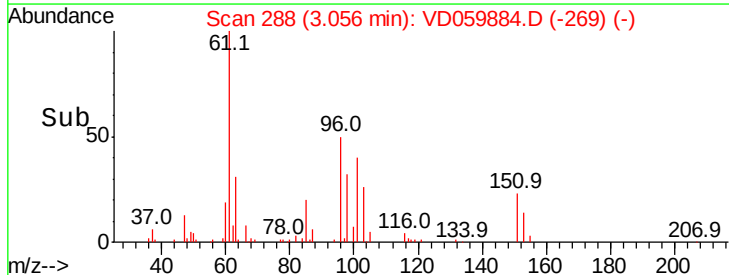
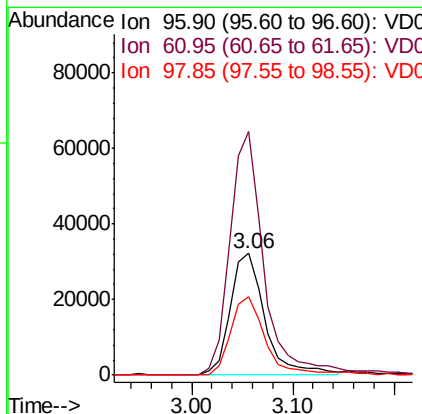
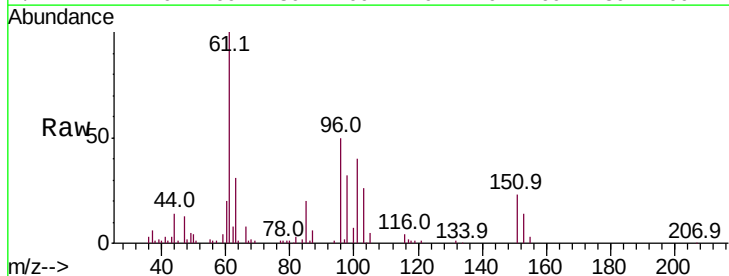
Tot Ion: 59 Resp: 75938
 Ion Ratio Lower Upper
 59 100
 57 11.7 7.4 11.0#

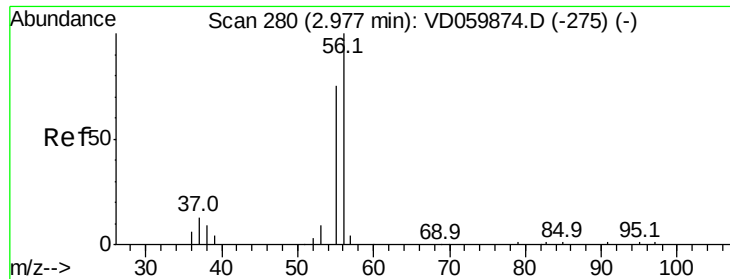


#12

1,1-Dichloroethene
 Concen: 19.123 ug/l
 RT: 3.06 min Scan# 288
 Delta R.T. -0.01 min
 Lab File: VD059884.D
 Acq: 23 Aug 2018 13:17

Tgt Ion: 96 Resp: 77055
 Ion Ratio Lower Upper
 96 100
 61 199.7 158.8 238.2
 98 64.2 48.7 73.1





#13

Acrolein

Concen: 79.485 ug/l

RT: 2.97 min Scan# 279

Delta R.T. -0.01 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

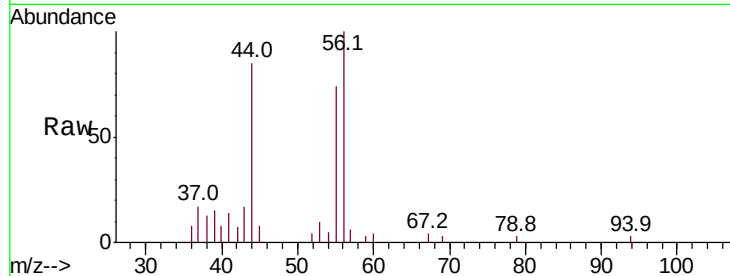
VD0823SBSD01

Tot Ion: 56 Resp: 25510

Ion Ratio Lower Upper

56 100

55 73.7 61.9 92.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

12000

10000

8000

6000

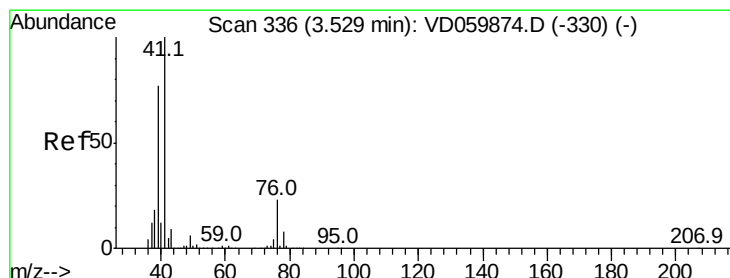
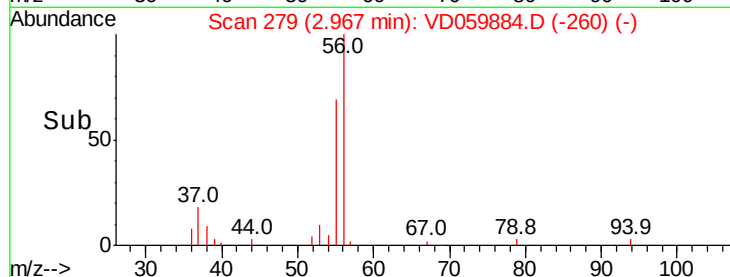
4000

2000

0

2.97

Time-->



#14

Allyl chloride

Concen: 19.100 ug/l

RT: 3.52 min Scan# 335

Delta R.T. -0.01 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

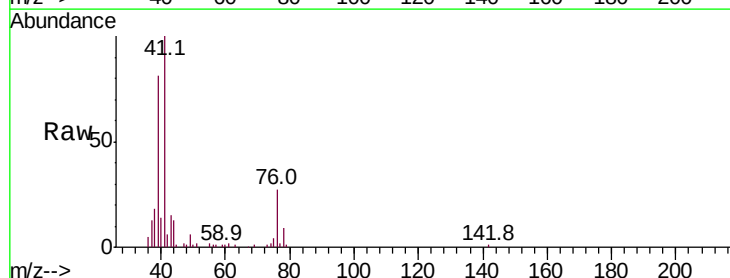
Tgt Ion: 41 Resp: 174120

Ion Ratio Lower Upper

41 100

39 80.6 61.8 92.6

76 26.8 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

80000

60000

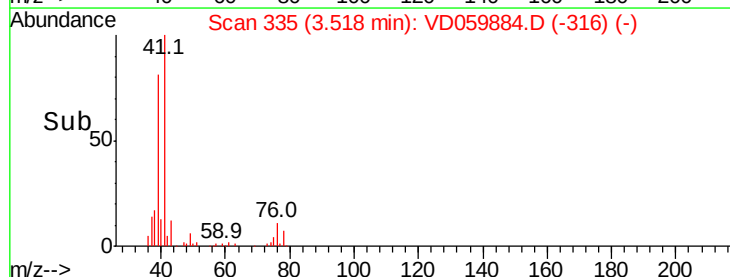
40000

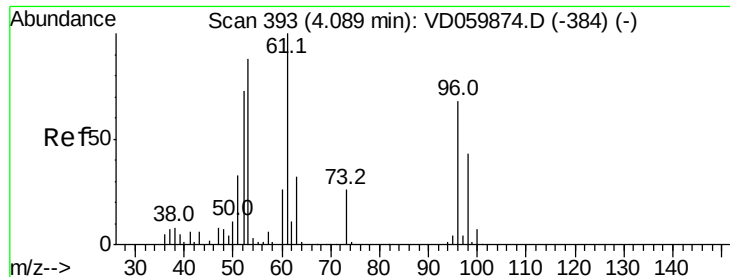
20000

0

3.52

Time-->





#15

Acrylonitrile

Concen: 100.774 ug/l

RT: 4.07 min Scan# 391

Delta R.T. -0.02 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS01

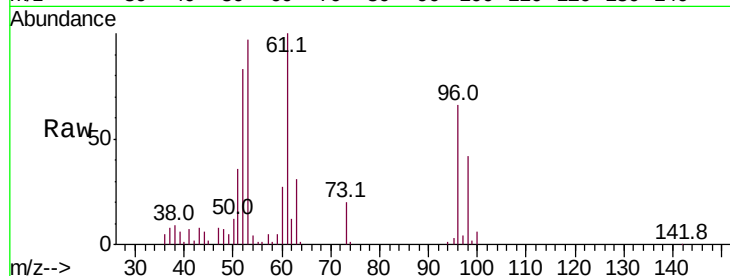
Tot Ion: 53 Resp: 279244

Ion Ratio Lower Upper

53 100

52 85.2 66.9 100.3

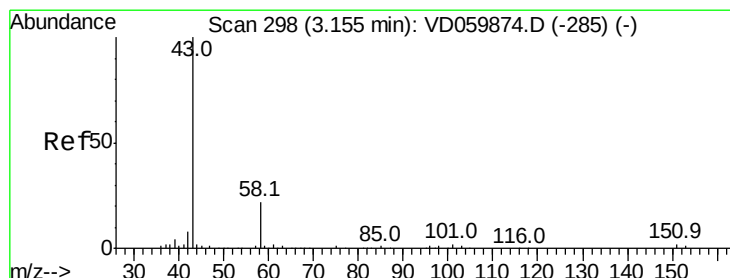
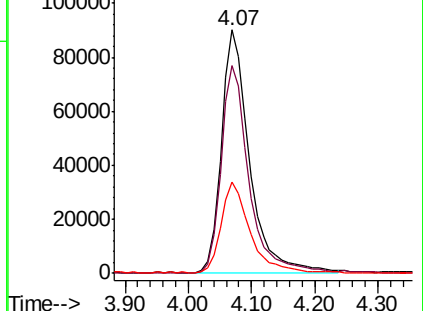
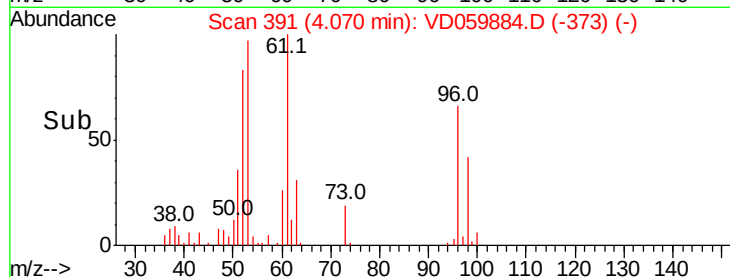
51 37.3 30.3 45.5



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: 91.468 ug/l

RT: 3.14 min Scan# 297

Delta R.T. -0.01 min

Lab File: VD059884.D

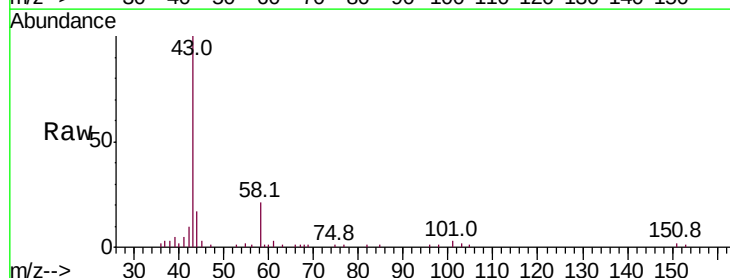
Acq: 23 Aug 2018 13:17

Tgt Ion: 43 Resp: 161609

Ion Ratio Lower Upper

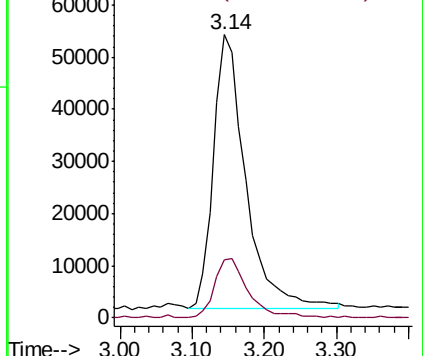
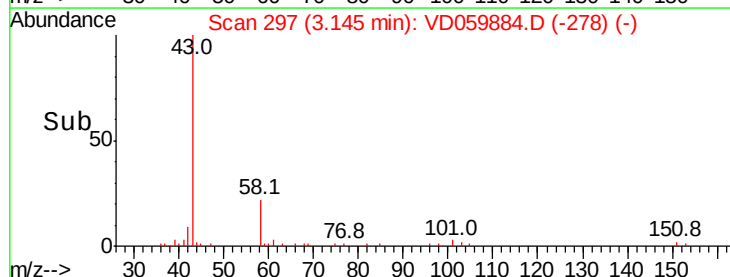
43 100

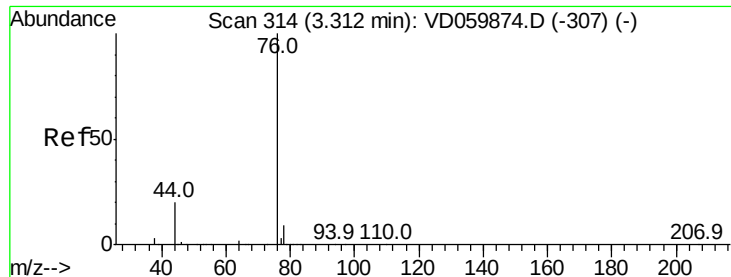
58 20.7 17.6 26.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

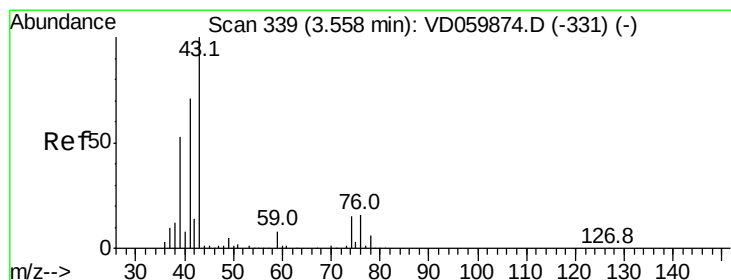
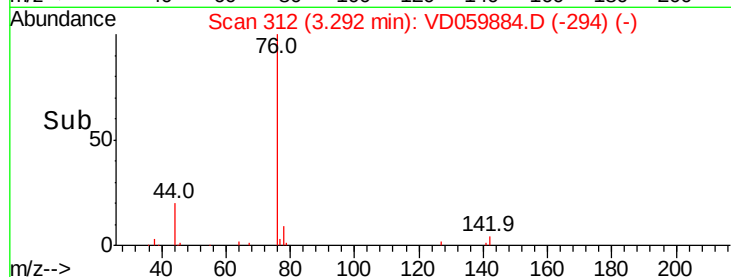
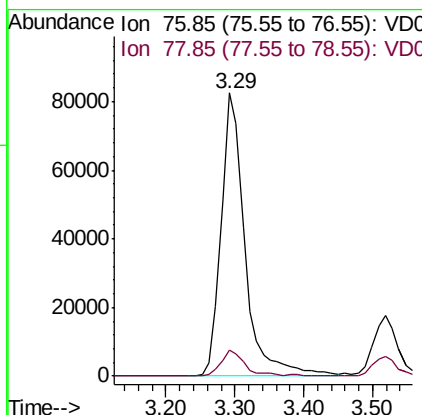
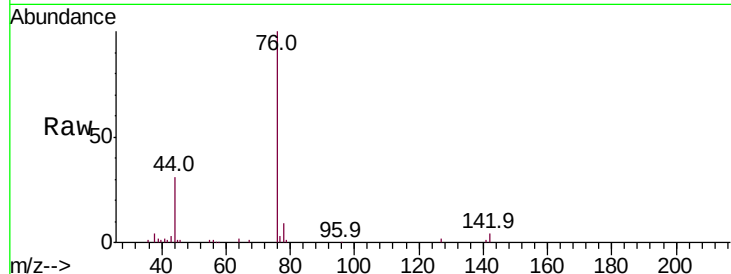




#17
Carbon Disulfide
Concen: 15.873 ug/l
RT: 3.29 min Scan# 312
Delta R.T. -0.02 min
Lab File: VD059884.D
Acq: 23 Aug 2018 13:17

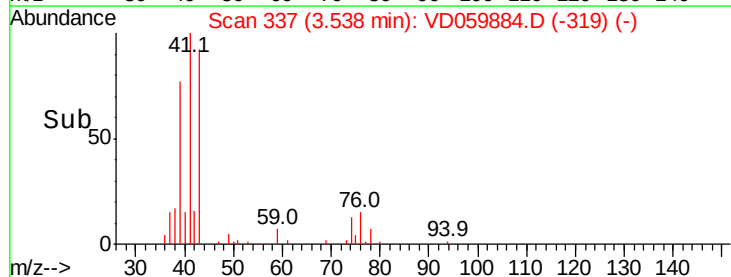
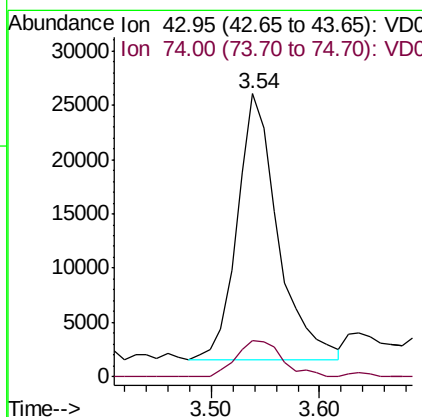
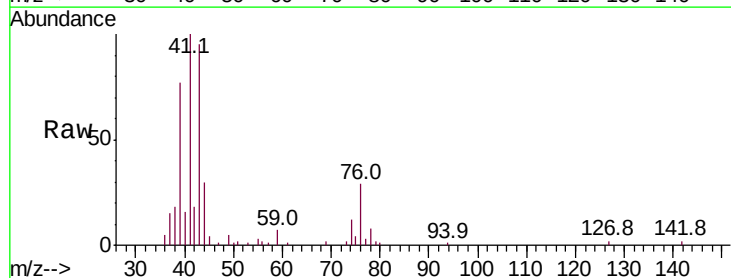
Instrument :
MSVOA_D
ClientSampleId :
VD0823SBS01

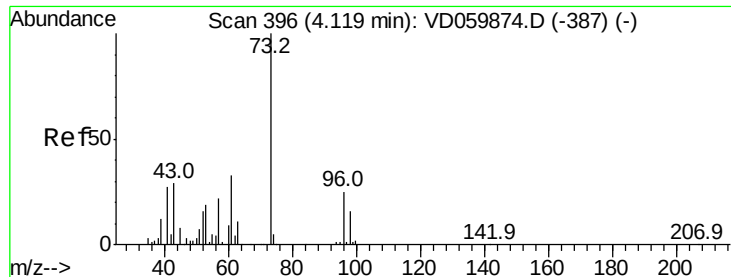
Tot Ion: 76 Resp: 198531
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.2



#18
Methyl Acetate
Concen: 17.239 ug/l
RT: 3.54 min Scan# 337
Delta R.T. -0.02 min
Lab File: VD059884.D
Acq: 23 Aug 2018 13:17

Tgt Ion: 43 Resp: 63584
Ion Ratio Lower Upper
43 100
74 12.9 11.2 16.8

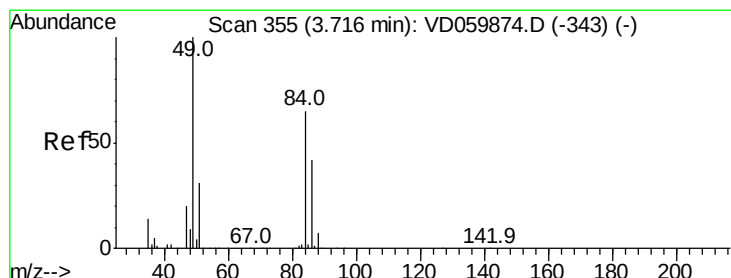
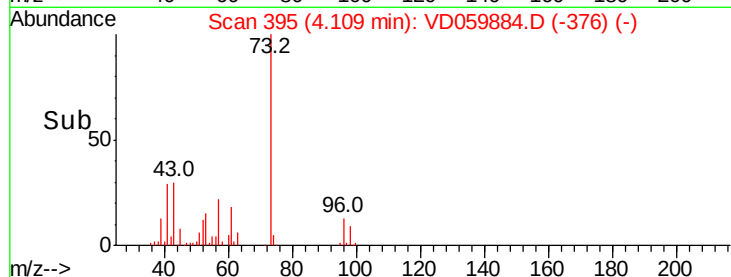
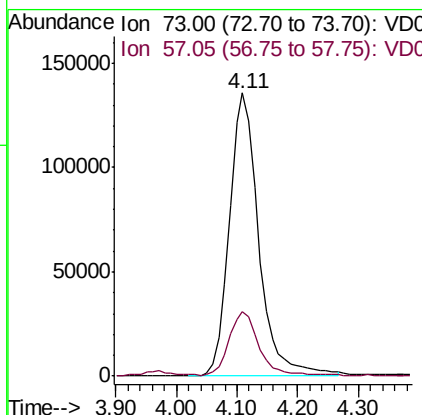
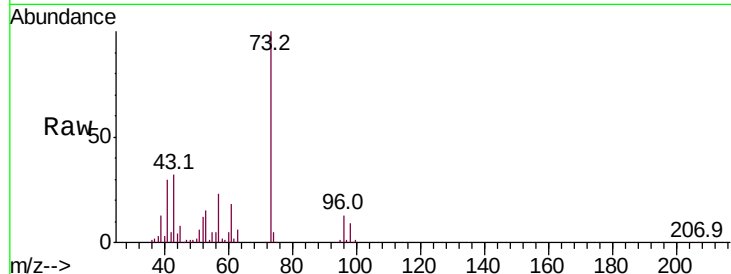




#19
Methyl tert-butyl Ether
Concen: 20.106 ug/l
RT: 4.11 min Scan# 395
Delta R.T. -0.01 min
Lab File: VD059884.D
Acq: 23 Aug 2018 13:17

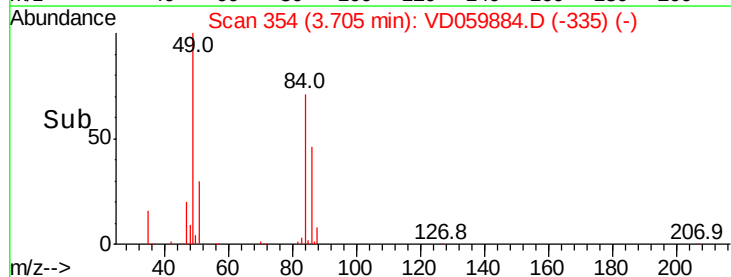
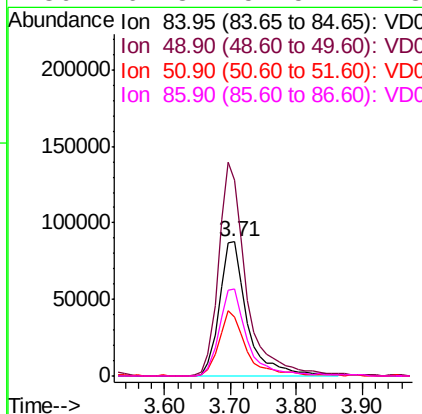
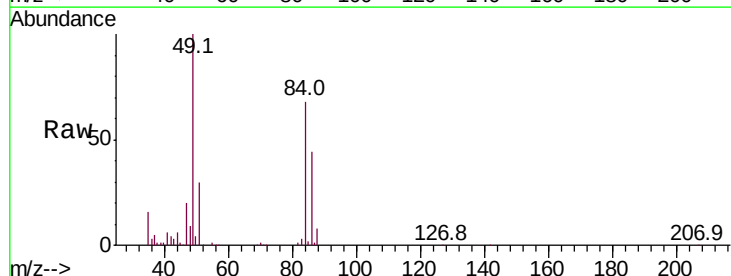
Instrument :
MSVOA_D
ClientSampleId :
VD0823SBS01

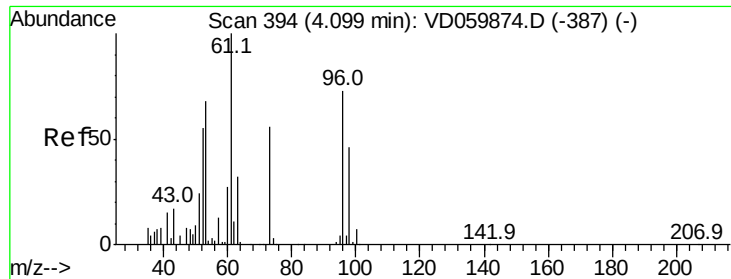
Tot Ion: 73 Resp: 458329
Ion Ratio Lower Upper
73 100
57 22.6 17.9 26.9



#20
Methylene Chloride
Concen: 19.756 ug/l
RT: 3.71 min Scan# 354
Delta R.T. -0.01 min
Lab File: VD059884.D
Acq: 23 Aug 2018 13:17

Tgt Ion: 84 Resp: 259518
Ion Ratio Lower Upper
84 100
49 146.1 122.6 183.8
51 43.6 38.4 57.6
86 64.8 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 17.949 ug/l

RT: 4.08 min Scan# 392

Delta R.T. -0.02 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBSD01

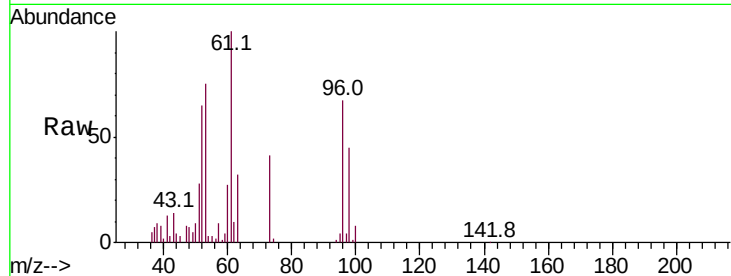
Tot Ion: 96 Resp: 199273

Ion Ratio Lower Upper

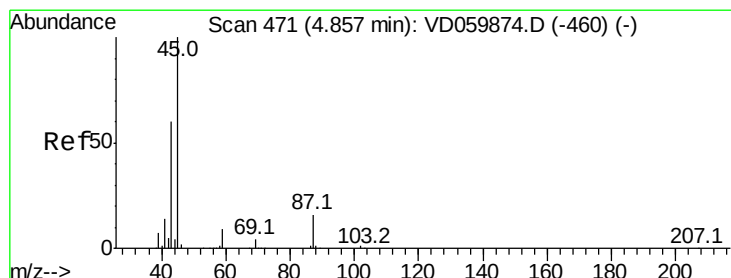
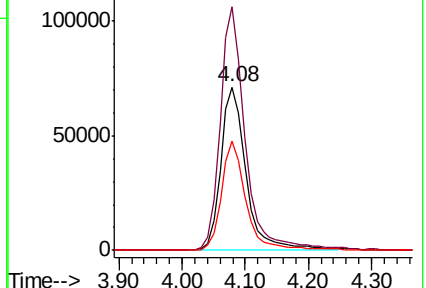
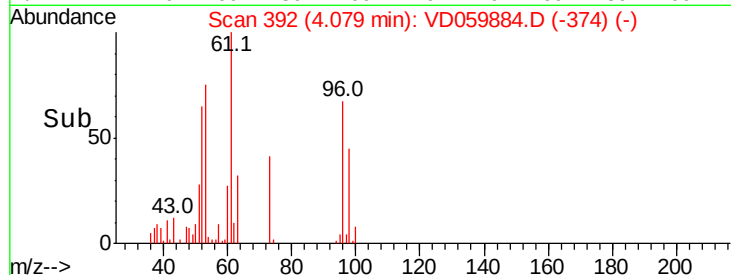
96 100

61 149.0 110.2 165.4

98 66.8 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: 19.785 ug/l

RT: 4.85 min Scan# 470

Delta R.T. -0.01 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

Tgt Ion: 45 Resp: 919846

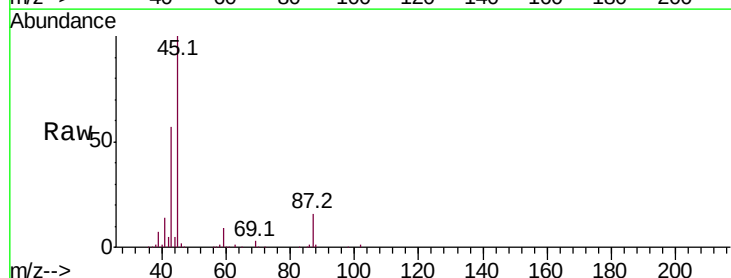
Ion Ratio Lower Upper

45 100

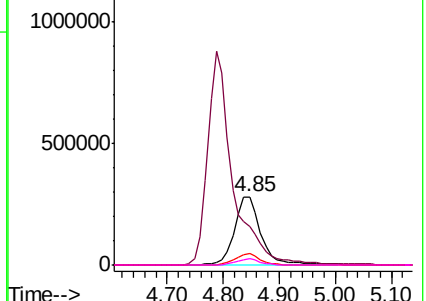
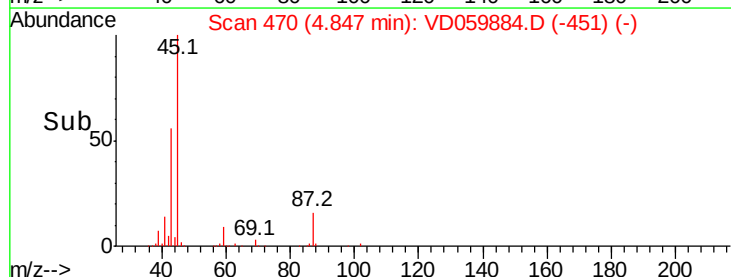
43 56.7 48.6 72.8

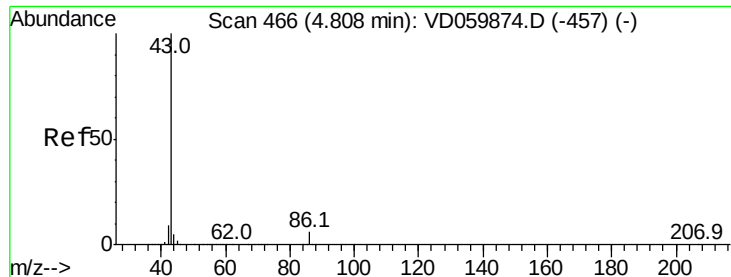
87 16.1 13.3 19.9

59 8.6 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: 106.018 ug/l

RT: 4.79 min Scan# 464

Delta R.T. -0.02 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

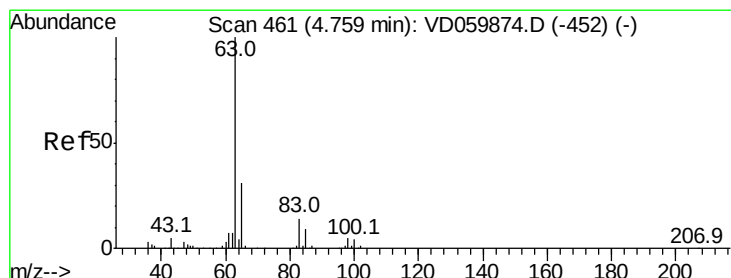
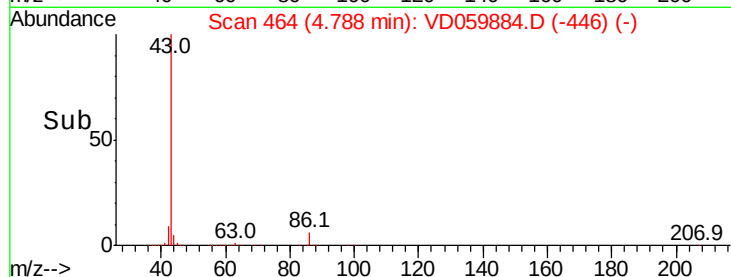
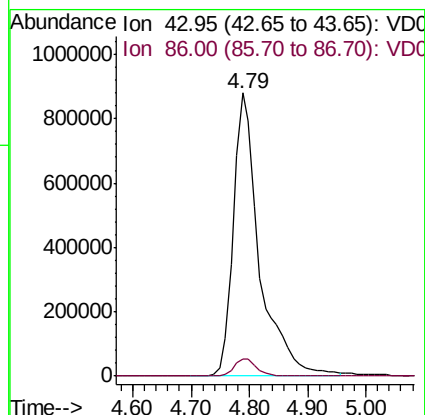
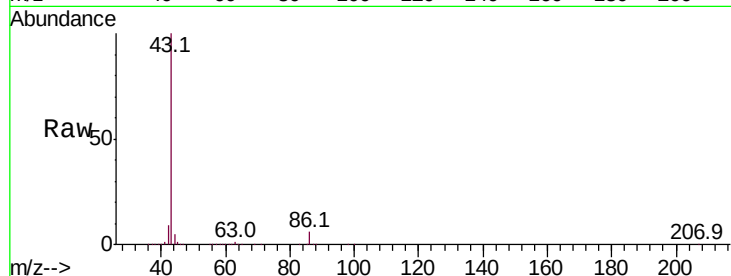
VD0823SBS01

Tot Ion: 43 Resp: 2755364

Ion Ratio Lower Upper

43 100

86 6.0 5.0 7.6



#24

1,1-Dichloroethane

Concen: 19.456 ug/l

RT: 4.74 min Scan# 459

Delta R.T. -0.02 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

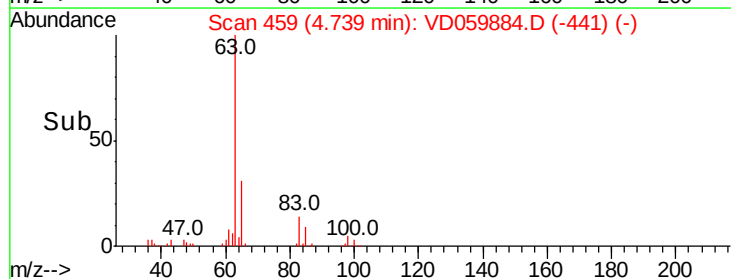
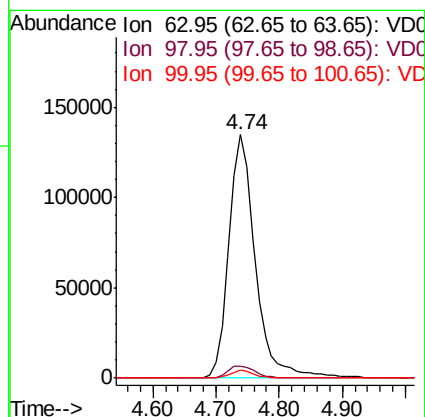
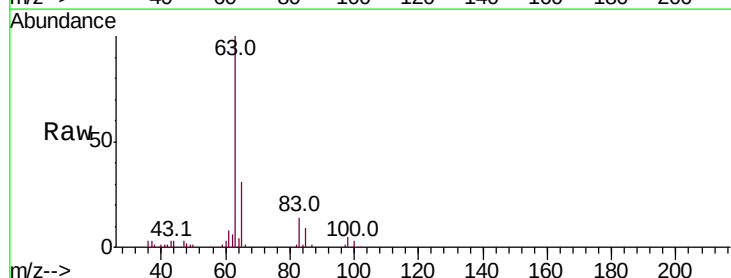
Tgt Ion: 63 Resp: 390784

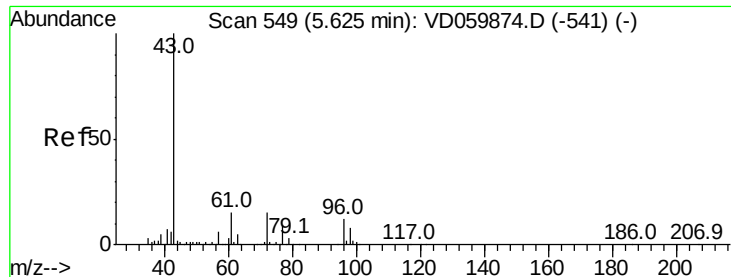
Ion Ratio Lower Upper

63 100

98 4.8 2.7 8.1

100 3.2 1.8 5.3





#25

2-Butanone

Concen: 88.576 ug/l

RT: 5.61 min Scan# 548

Delta R.T. -0.01 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

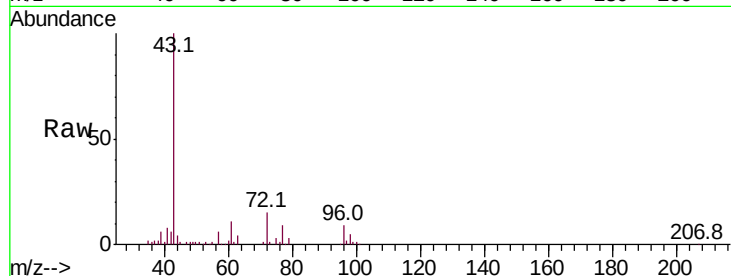
VD0823SBS01

Tot Ion: 43 Resp: 463502

Ion Ratio Lower Upper

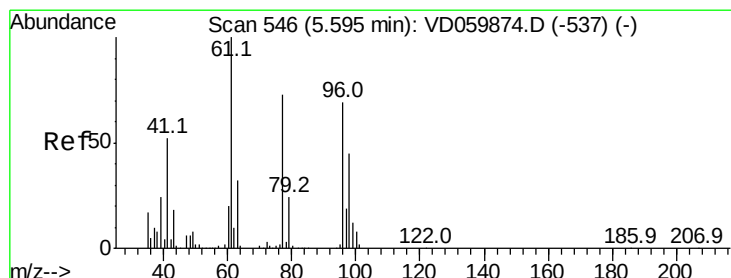
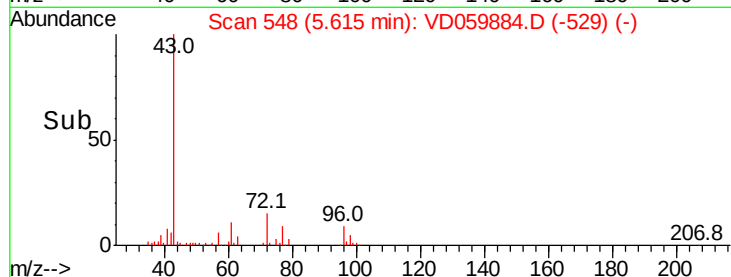
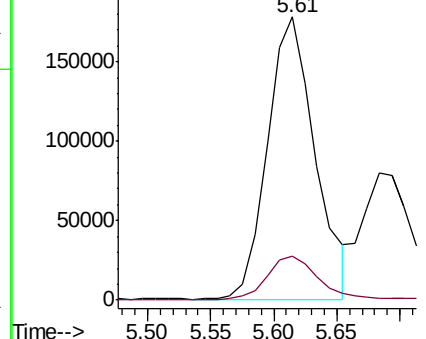
43 100

72 15.3 12.3 18.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.308 ug/l

RT: 5.58 min Scan# 544

Delta R.T. -0.02 min

Lab File: VD059884.D

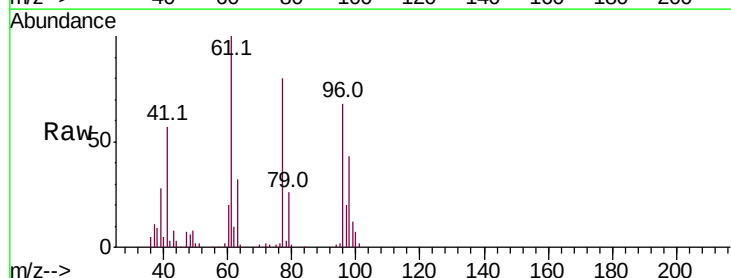
Acq: 23 Aug 2018 13:17

Tgt Ion: 77 Resp: 324188

Ion Ratio Lower Upper

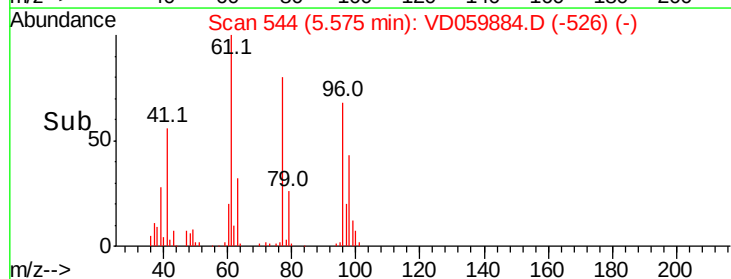
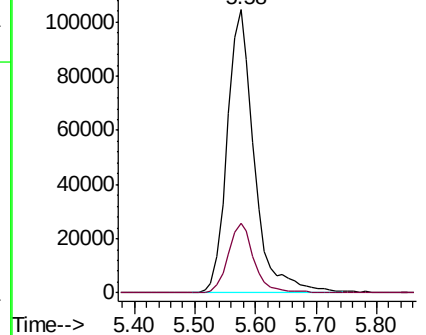
77 100

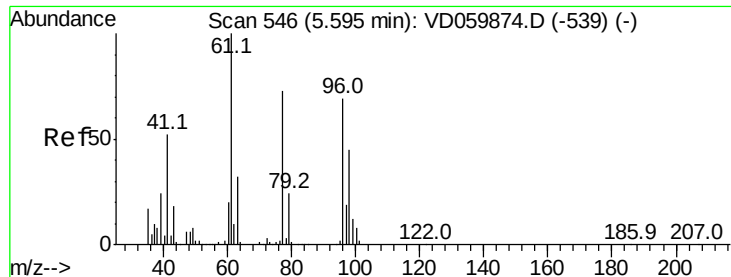
97 24.7 13.0 38.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 19.443 ug/l

RT: 5.58 min Scan# 544

Delta R.T. -0.02 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS01

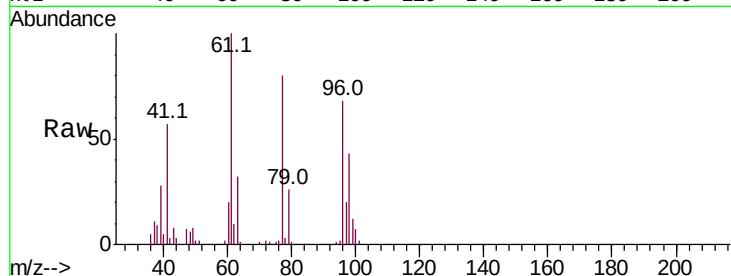
Tot Ion: 96 Resp: 236345

Ion Ratio Lower Upper

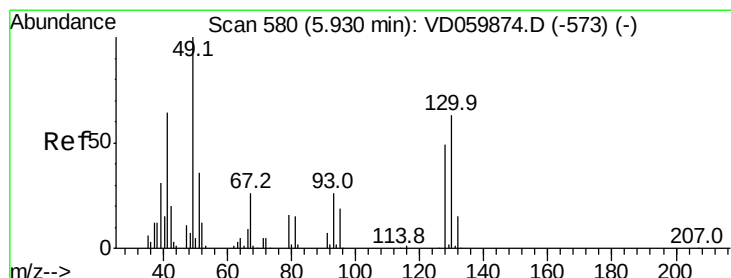
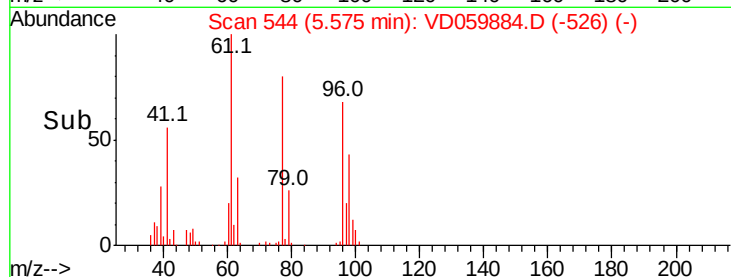
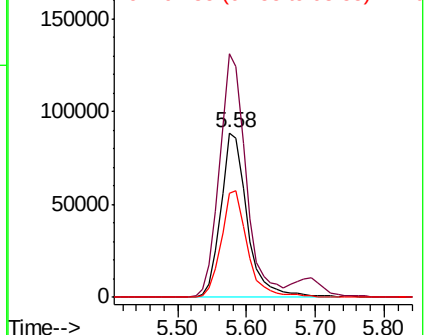
96 100

61 147.9 0.0 290.2

98 63.1 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: 20.177 ug/l

RT: 5.91 min Scan# 578

Delta R.T. -0.02 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

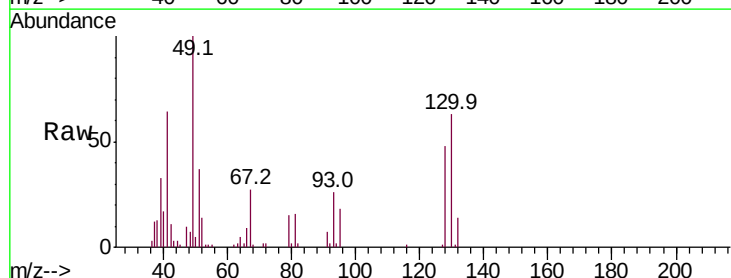
Tgt Ion: 49 Resp: 194230

Ion Ratio Lower Upper

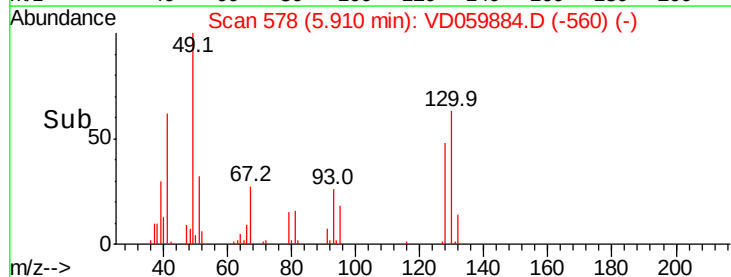
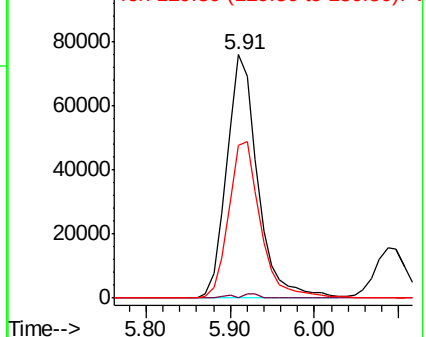
49 100

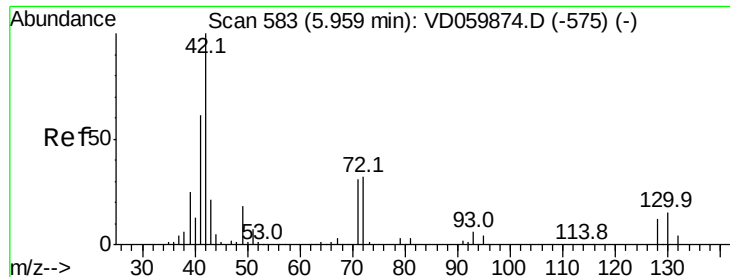
129 0.0 0.0 3.2

130 62.9 50.6 75.8



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





#29

Tetrahydrofuran

Concen: 98.160 ug/l

RT: 5.95 min Scan# 582

Delta R.T. -0.01 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBSD01

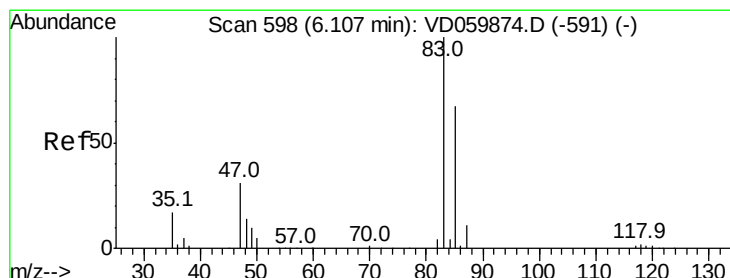
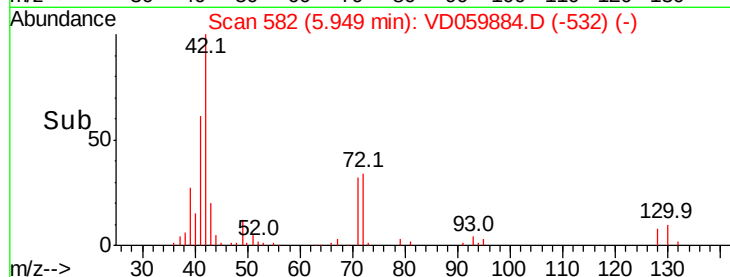
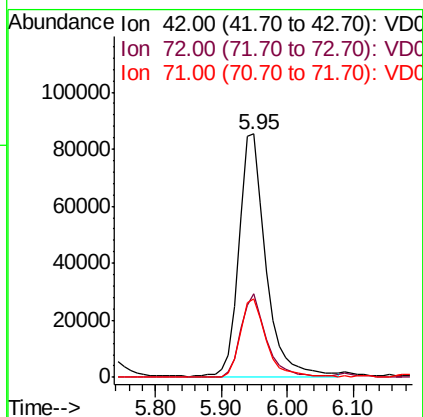
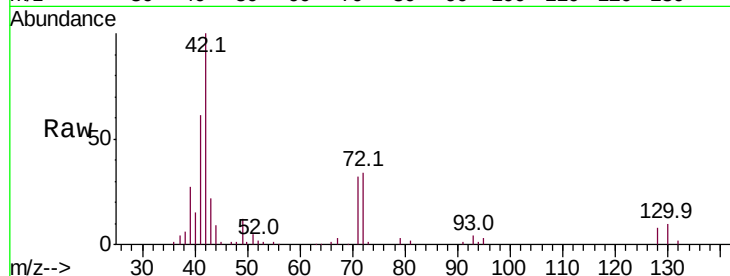
Tot Ion: 42 Resp: 244537

Ion Ratio Lower Upper

42 100

72 32.4 25.7 38.5

71 31.7 25.3 37.9



#30

Chloroform

Concen: 19.978 ug/l

RT: 6.09 min Scan# 596

Delta R.T. -0.02 min

Lab File: VD059884.D

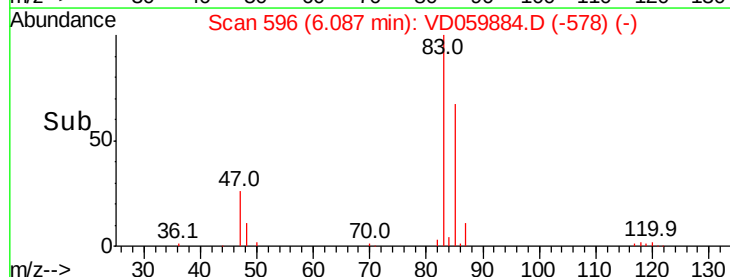
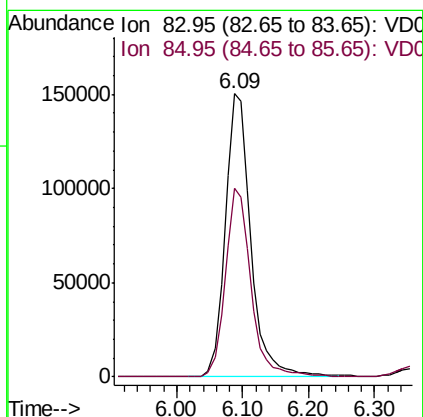
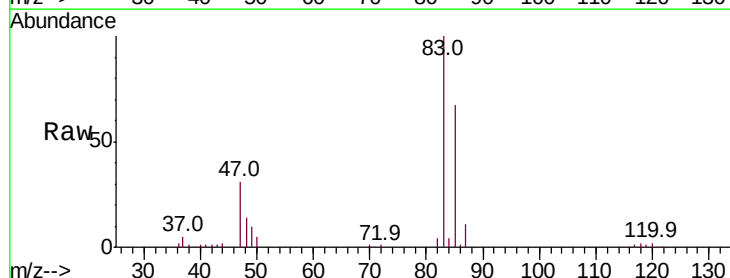
Acq: 23 Aug 2018 13:17

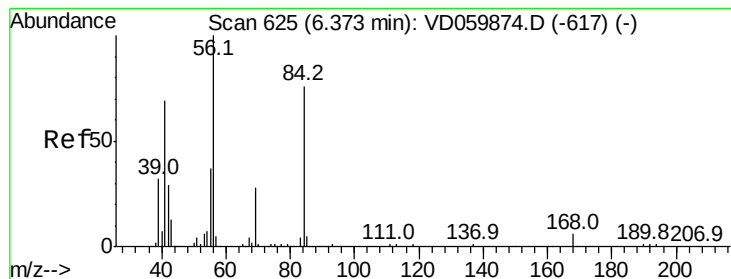
Tgt Ion: 83 Resp: 407780

Ion Ratio Lower Upper

83 100

85 66.5 53.5 80.3





#31

Cyclohexane

Concen: 17.251 ug/l

RT: 6.35 min Scan# 623

Delta R.T. -0.02 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS01

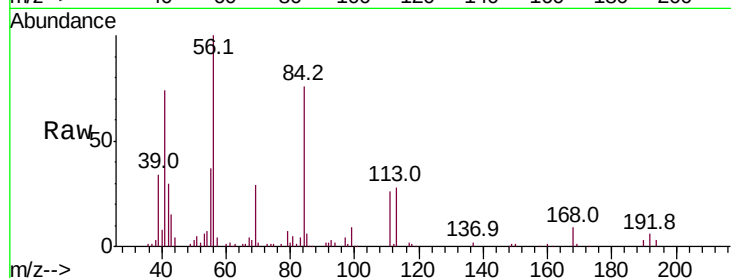
Tot Ion: 56 Resp: 318536

Ion Ratio Lower Upper

56 100

69 29.1 22.4 33.6

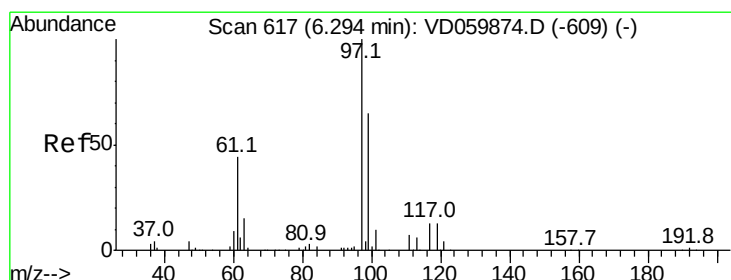
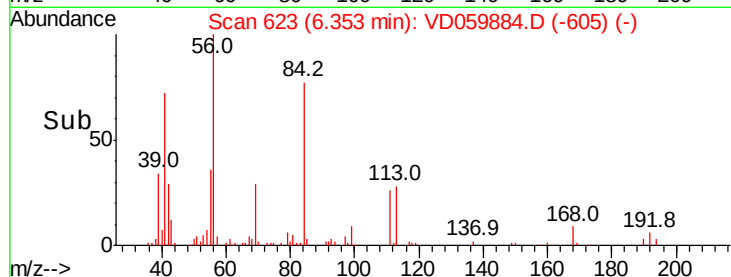
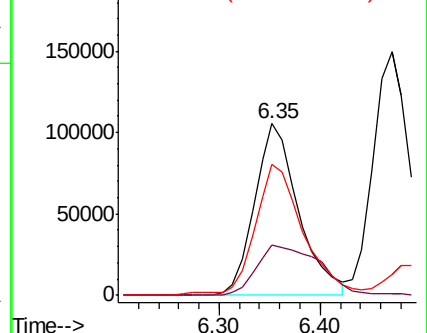
84 76.2 62.1 93.1



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: 19.058 ug/l

RT: 6.28 min Scan# 616

Delta R.T. -0.01 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

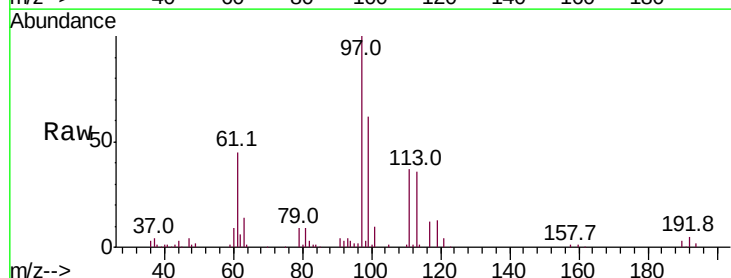
Tgt Ion: 97 Resp: 330169

Ion Ratio Lower Upper

97 100

99 61.9 51.7 77.5

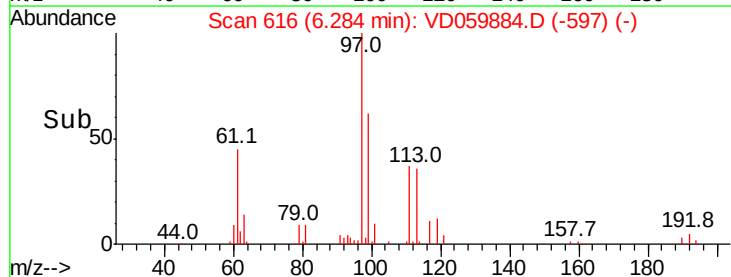
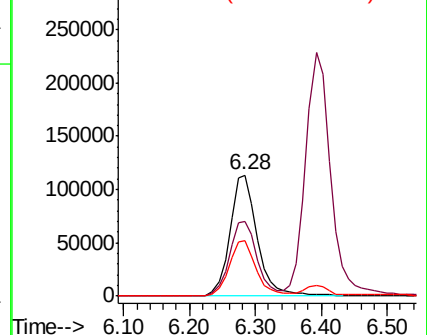
61 45.4 35.4 53.2

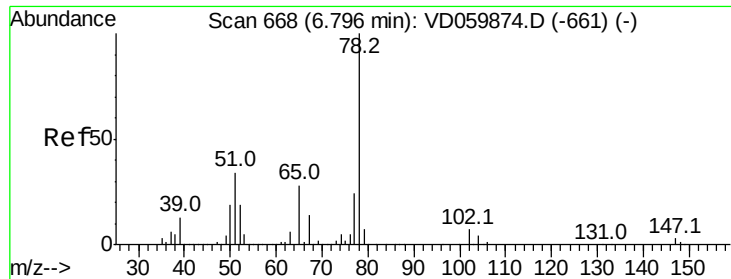


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC

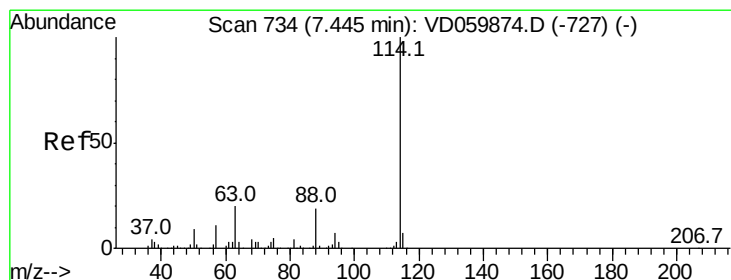
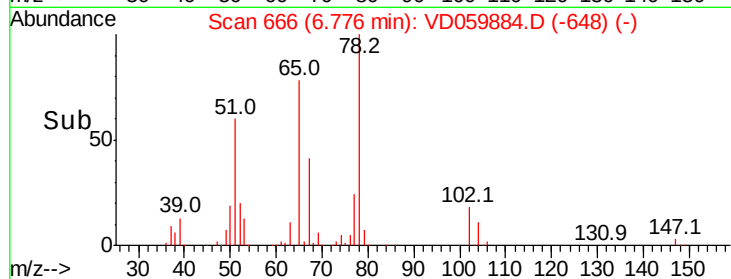
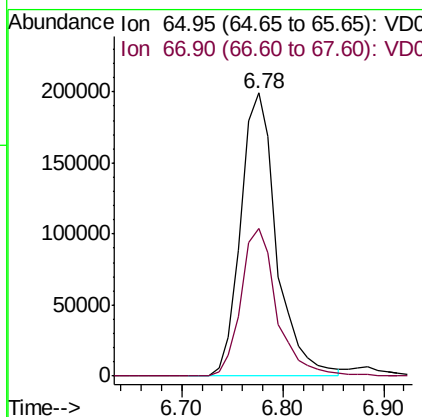
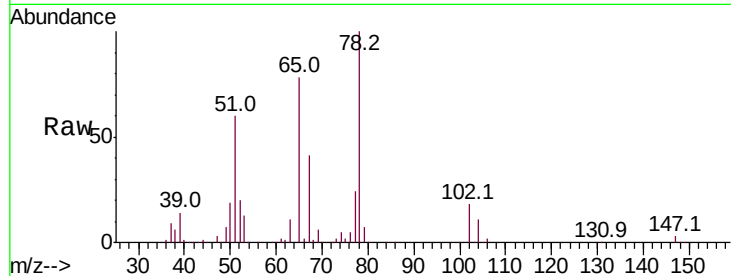




#33
 1,2-Dichloroethane-d4
 Concen: 19.058 ug/l
 RT: 6.78 min Scan# 666
 Delta R.T. -0.02 min
 Lab File: VD059884.D
 Acq: 23 Aug 2018 13:17

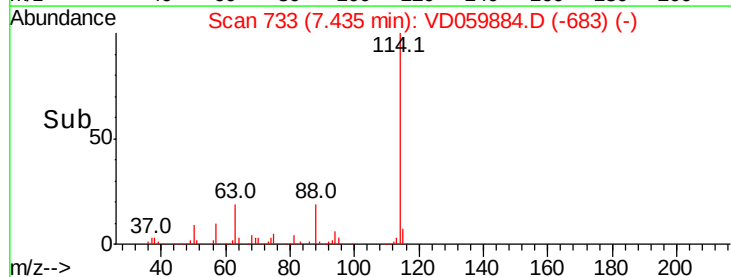
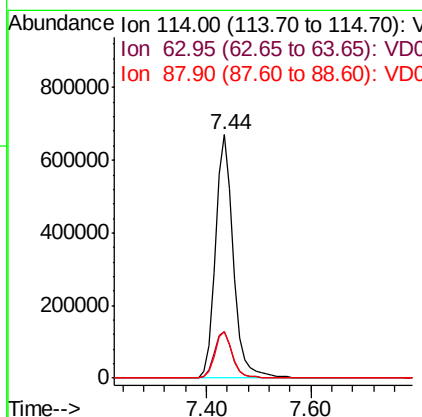
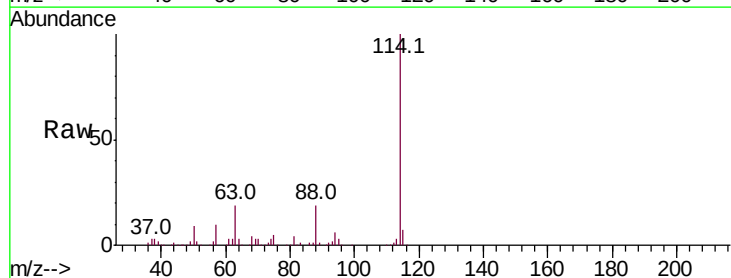
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBSD01

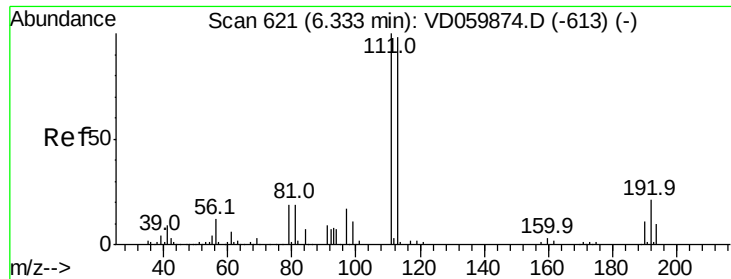
Tot Ion: 65 Resp: 494677
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.44 min Scan# 733
 Delta R.T. -0.01 min
 Lab File: VD059884.D
 Acq: 23 Aug 2018 13:17

Tgt Ion: 114 Resp: 1593557
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 39.4
 88 19.1 0.0 37.6

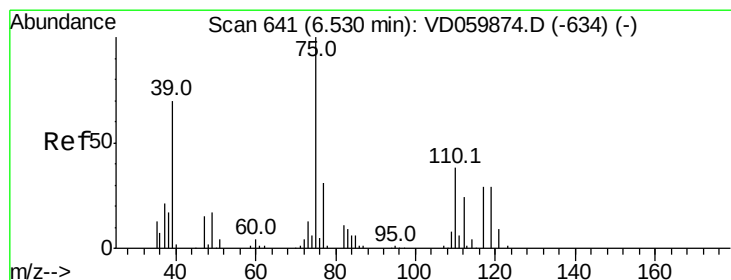
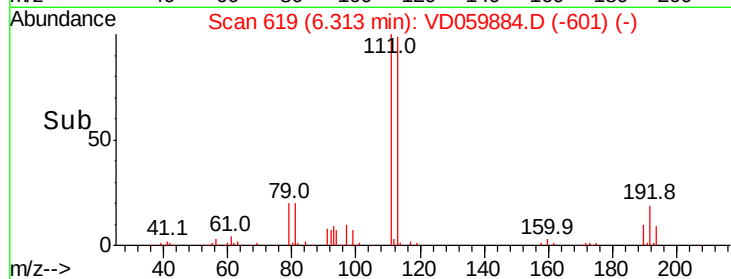
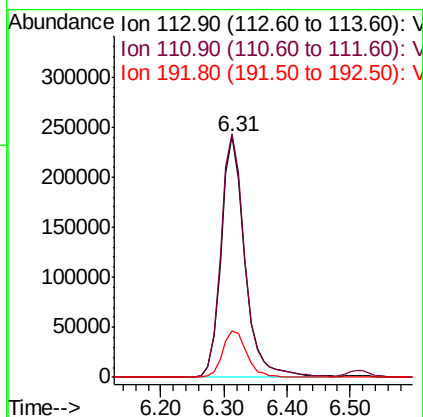
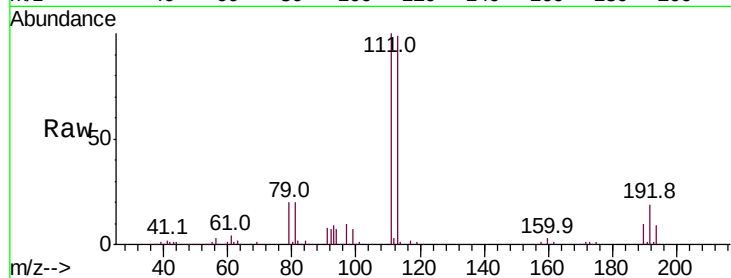




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.31 min Scan# 619
 Delta R.T. -0.02 min
 Lab File: VD059884.D
 Acq: 23 Aug 2018 13:17

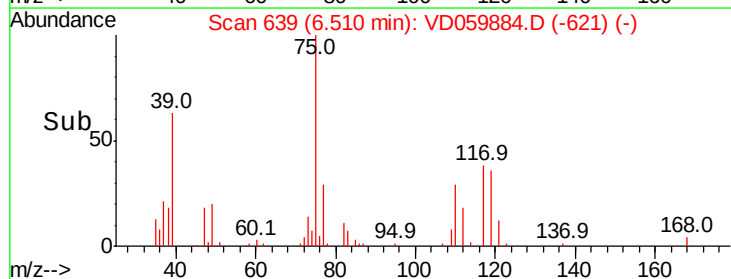
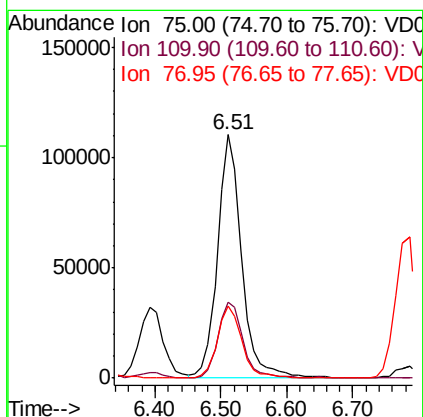
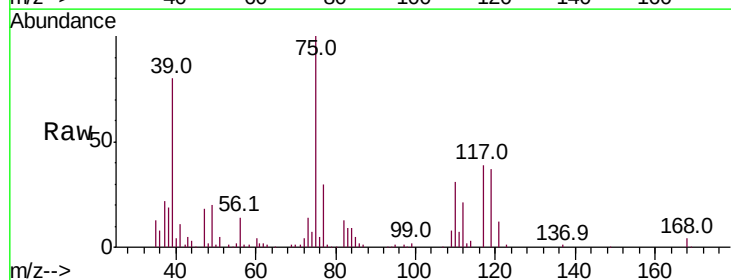
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBS01

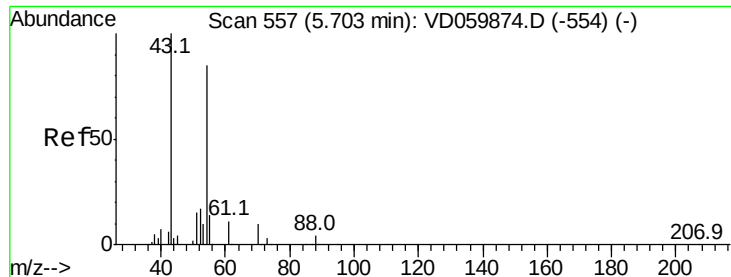
Tot Ion:113 Resp: 631755
 Ion Ratio Lower Upper
 113 100
 111 101.2 81.4 122.2
 192 19.4 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 19.237 ug/l
 RT: 6.51 min Scan# 639
 Delta R.T. -0.02 min
 Lab File: VD059884.D
 Acq: 23 Aug 2018 13:17

Tgt Ion: 75 Resp: 277898
 Ion Ratio Lower Upper
 75 100
 110 31.4 18.6 56.0
 77 29.8 25.1 37.7





#37

Ethyl Acetate

Concen: 20.762 ug/l

RT: 5.68 min Scan# 555

Delta R.T. -0.02 min

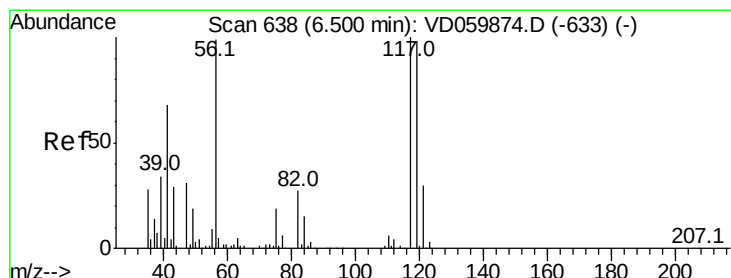
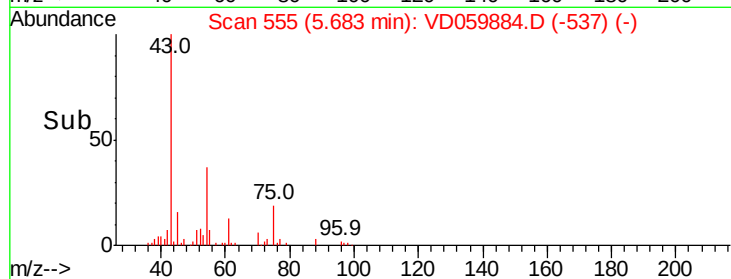
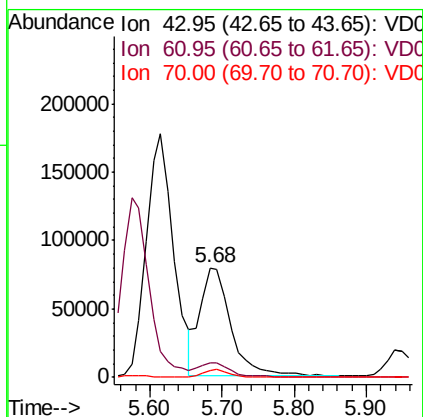
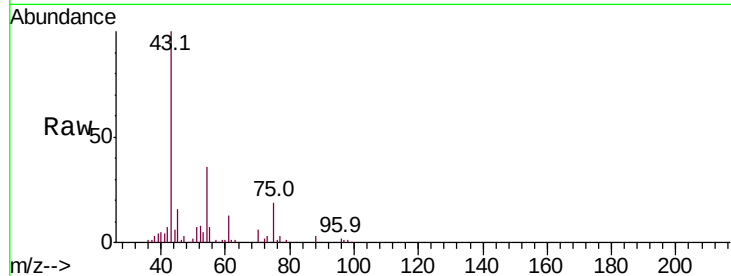
Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

Instrument :
MSVOA_D
ClientSampleId :
VD0823SBSD01

Tot Ion: 43 Resp: 233386

Ion	Ratio	Lower	Upper
43	100		
61	12.7	11.0	16.6
70	6.3	5.7	8.5



#38

Carbon Tetrachloride

Concen: 19.407 ug/l

RT: 6.49 min Scan# 637

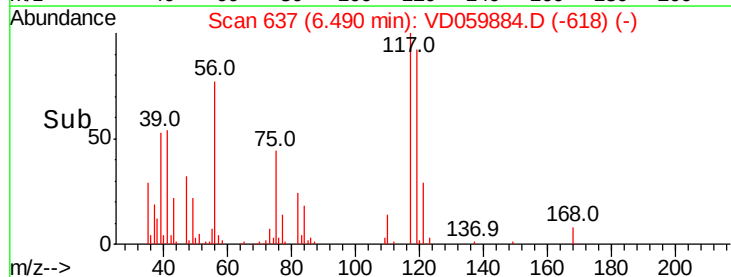
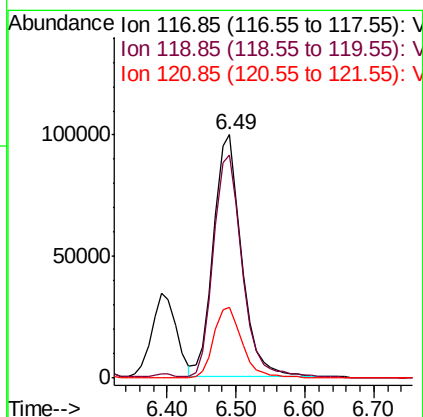
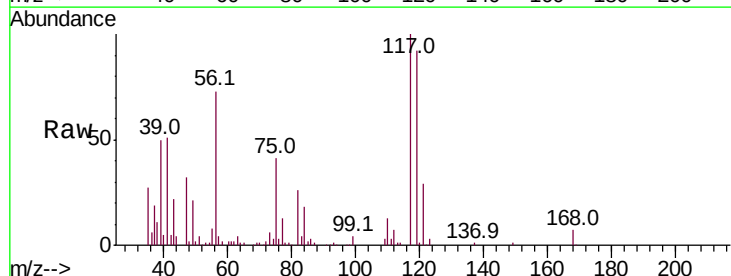
Delta R.T. -0.01 min

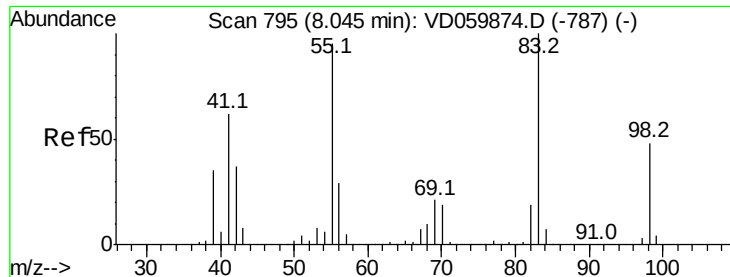
Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

Tgt Ion: 117 Resp: 282913

Ion	Ratio	Lower	Upper
117	100		
119	91.9	77.2	115.8
121	29.1	24.0	36.0

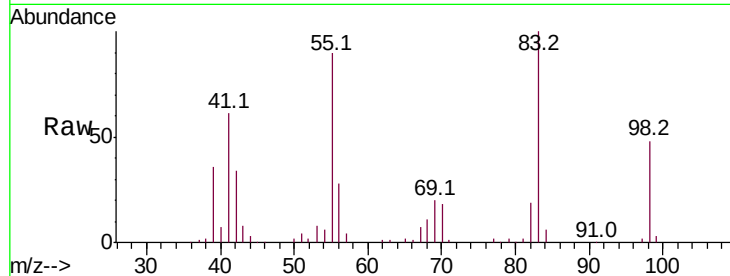




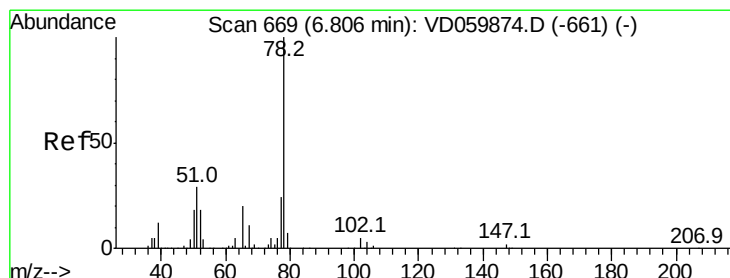
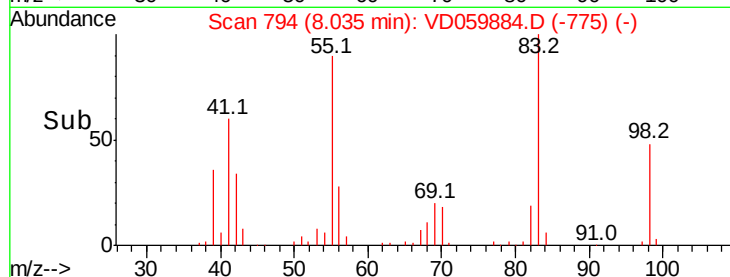
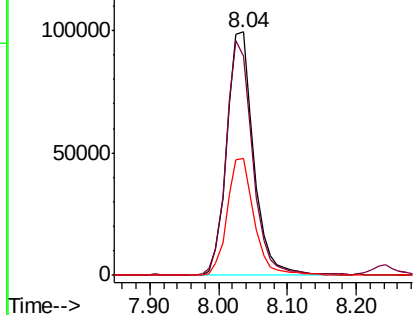
#39
Methvlcvclohexane
Concen: 17.174 ug/l
RT: 8.04 min Scan# 794
Delta R.T. -0.01 min
Lab File: VD059884.D
Acq: 23 Aug 2018 13:17

Instrument :
MSVOA_D
ClientSampleId :
VD0823SBSD01

Tot Ion: 83 Resp: 268039
Ion Ratio Lower Upper
83 100
55 90.3 75.8 113.6
98 47.9 38.3 57.5

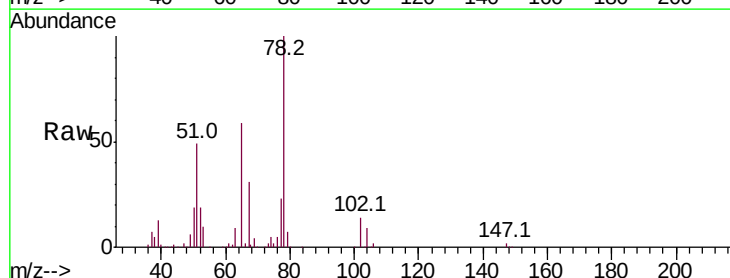


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

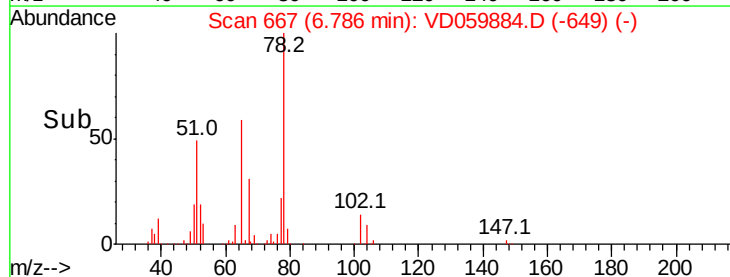
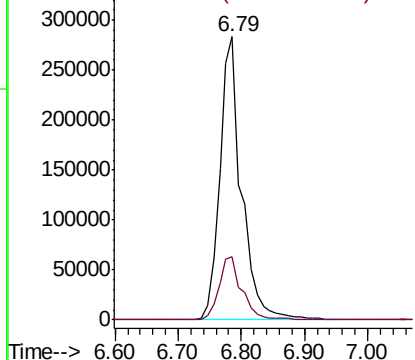


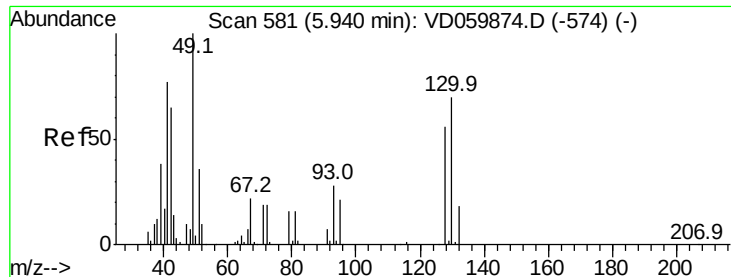
#40
Benzene
Concen: 18.094 ug/l
RT: 6.79 min Scan# 667
Delta R.T. -0.02 min
Lab File: VD059884.D
Acq: 23 Aug 2018 13:17

Tgt Ion: 78 Resp: 679636
Ion Ratio Lower Upper
78 100
77 22.6 19.0 28.4



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





#41

Methacrylonitrile

Concen: 45.757 ug/l

RT: 5.94 min Scan# 581

Delta R.T. -0.00 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBSD01

Tot Ion: 41 Resp: 259097

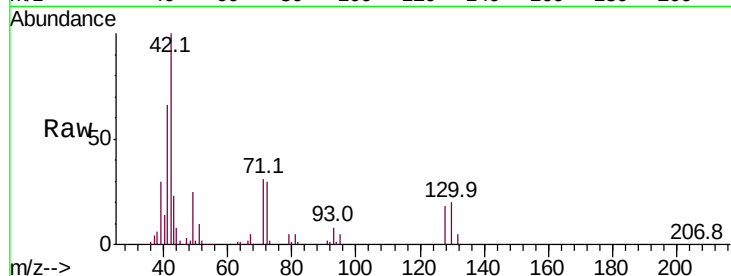
Ion Ratio Lower Upper

41 100

39 45.9 39.4 59.2

67 8.1 22.2 33.2#

52 3.7 10.1 15.1#

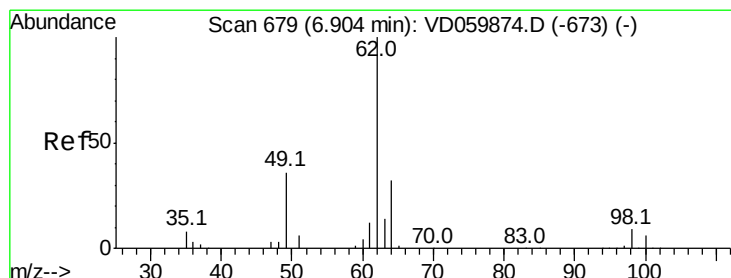
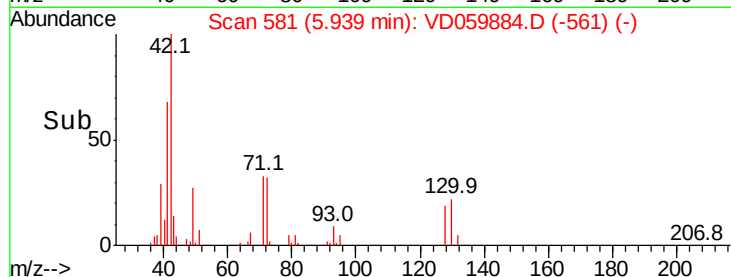
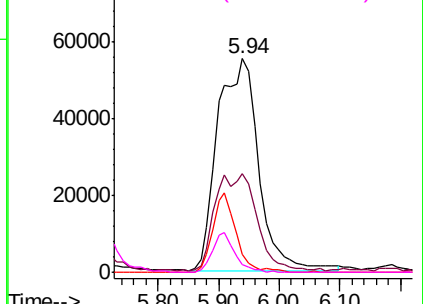


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 19.763 ug/l

RT: 6.88 min Scan# 677

Delta R.T. -0.02 min

Lab File: VD059884.D

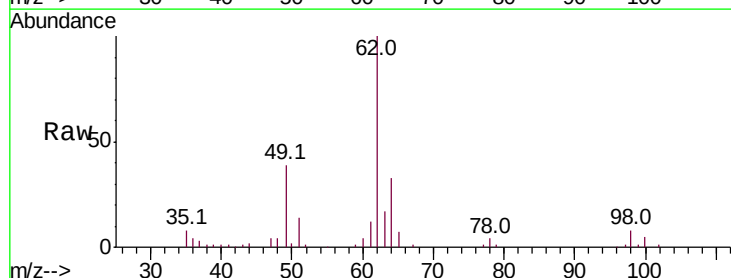
Acq: 23 Aug 2018 13:17

Tgt Ion: 62 Resp: 238304

Ion Ratio Lower Upper

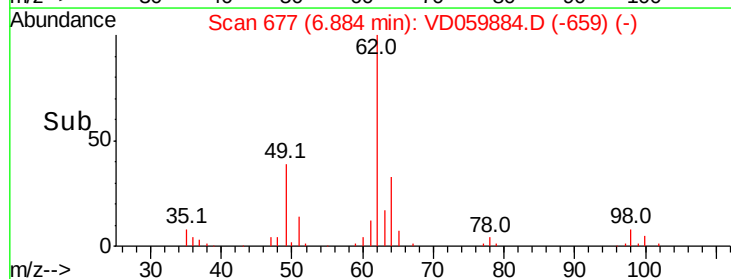
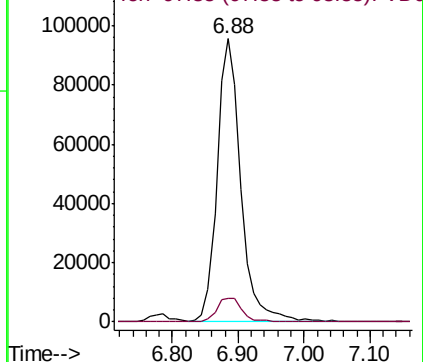
62 100

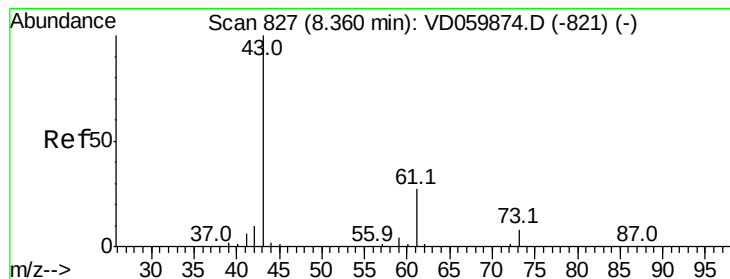
98 8.3 0.0 18.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 20.069 ug/l

RT: 8.34 min Scan# 825

Delta R.T. -0.02 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS01

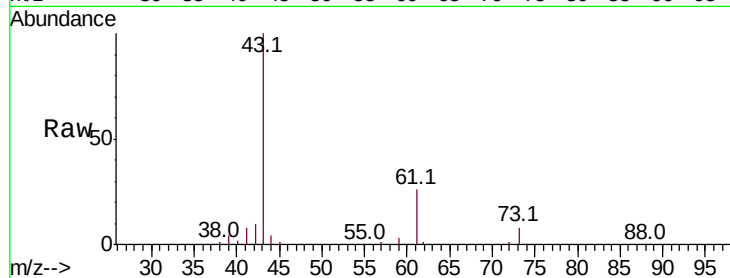
Tot Ion: 43 Resp: 293490

Ion Ratio Lower Upper

43 100

61 25.8 21.4 32.2

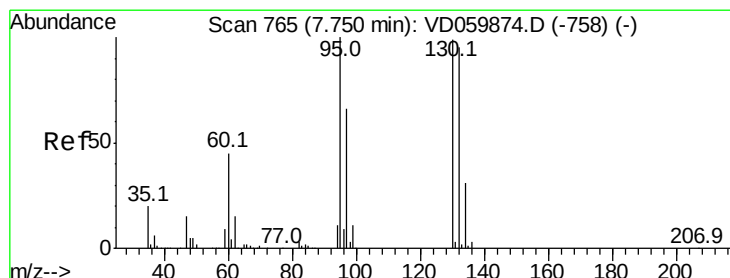
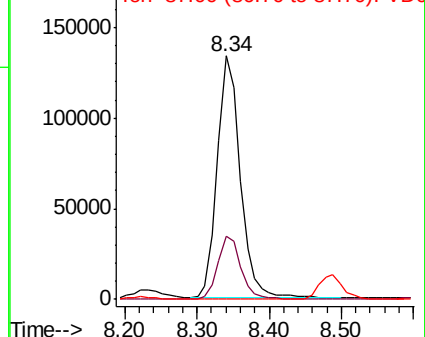
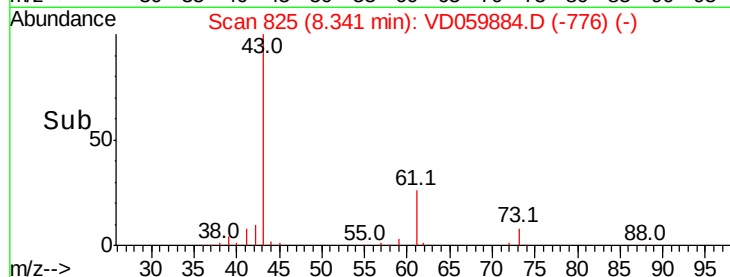
87 0.0 0.2 0.4#



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: 18.840 ug/l

RT: 7.73 min Scan# 763

Delta R.T. -0.02 min

Lab File: VD059884.D

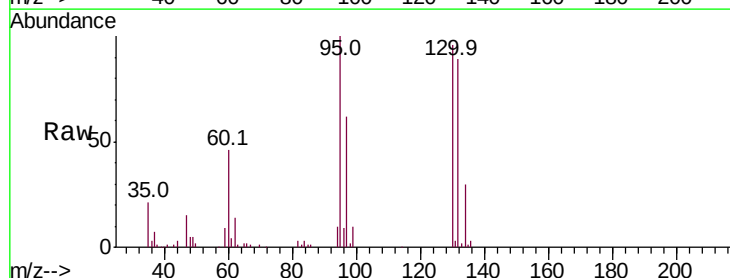
Acq: 23 Aug 2018 13:17

Tgt Ion:130 Resp: 208365

Ion Ratio Lower Upper

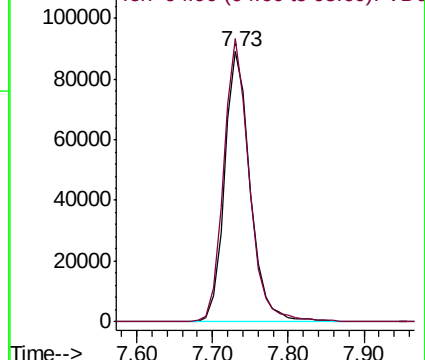
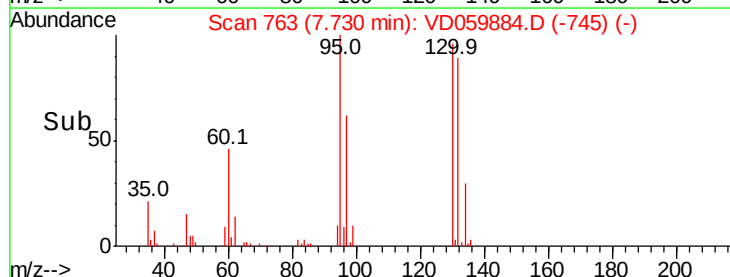
130 100

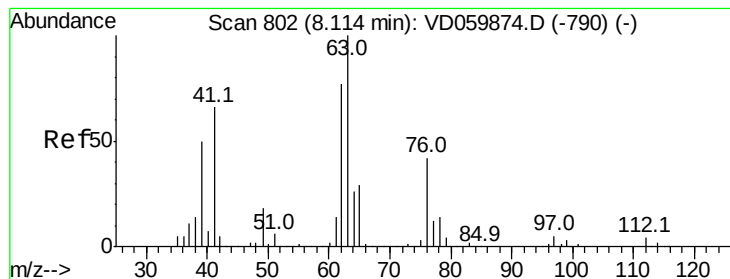
95 104.7 0.0 202.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.671 ug/l

RT: 8.09 min Scan# 800

Delta R.T. -0.02 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

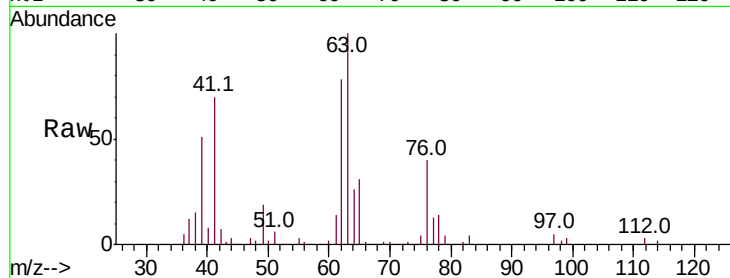
VD0823SBS01

Tot Ion: 63 Resp: 206532

Ion Ratio Lower Upper

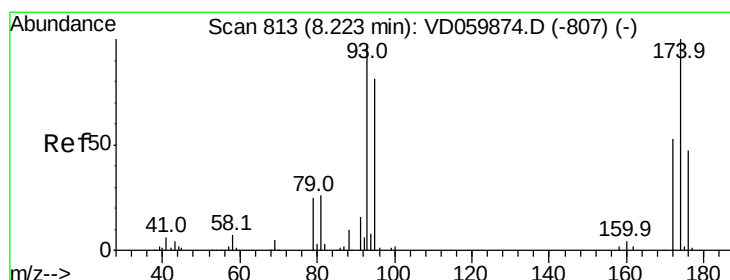
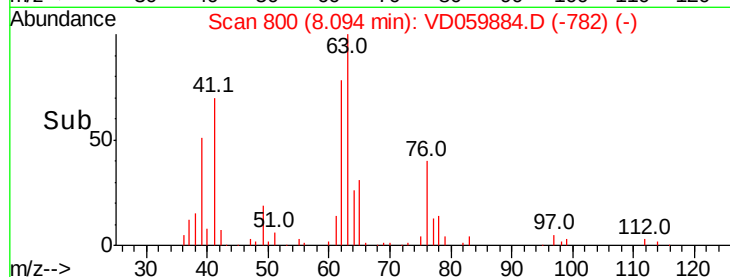
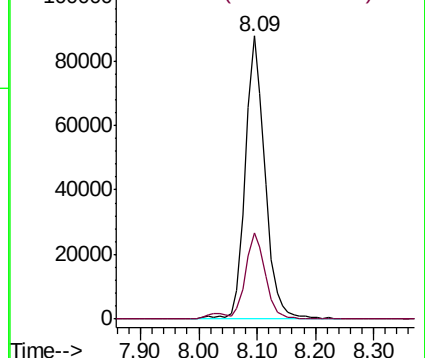
63 100

65 30.7 23.5 35.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 19.222 ug/l

RT: 8.20 min Scan# 811

Delta R.T. -0.02 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

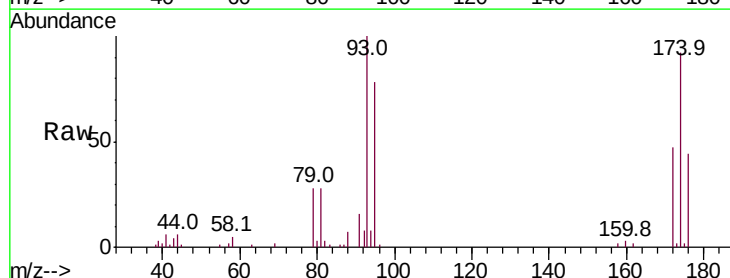
Tgt Ion: 93 Resp: 129768

Ion Ratio Lower Upper

93 100

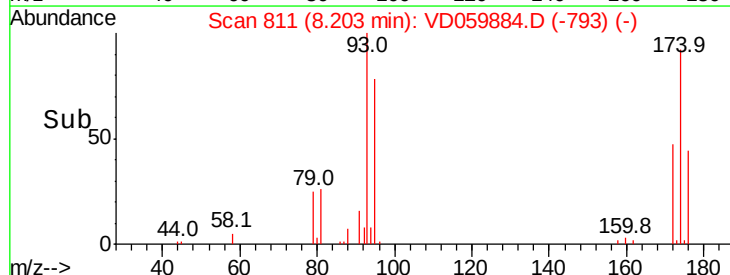
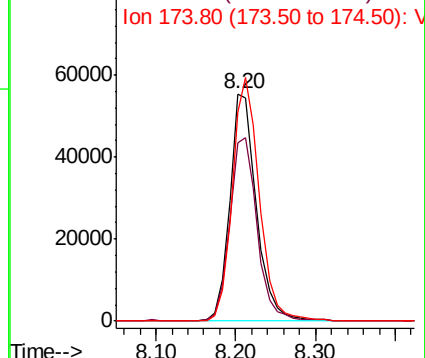
95 78.5 66.6 100.0

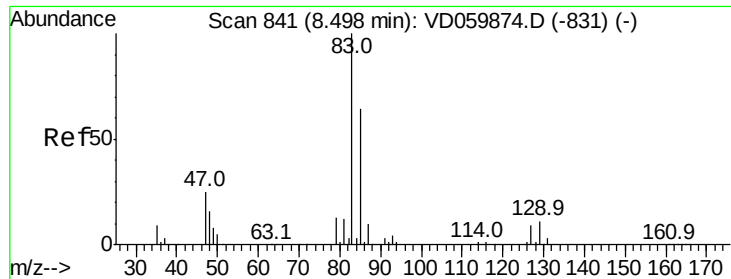
174 92.0 82.4 123.6



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC





#47

Bromodichloromethane

Concen: 20.053 ug/l

RT: 8.49 min Scan# 840

Delta R.T. -0.01 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS01

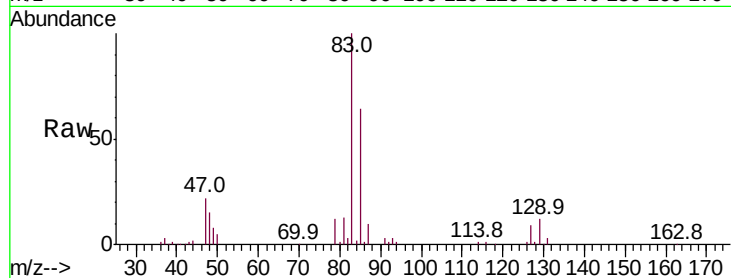
Tot Ion: 83 Resp: 306467

Ion Ratio Lower Upper

83 100

85 64.2 51.3 76.9

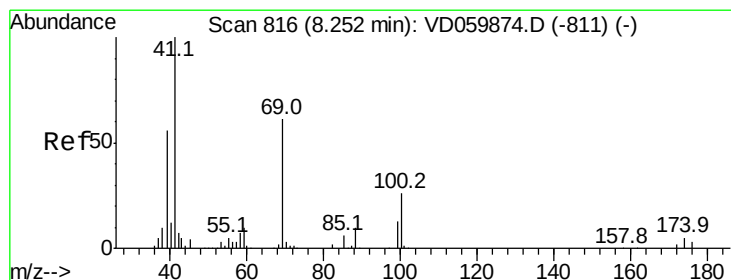
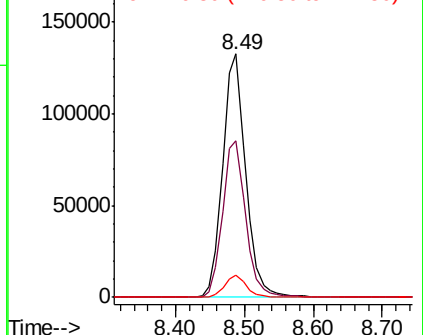
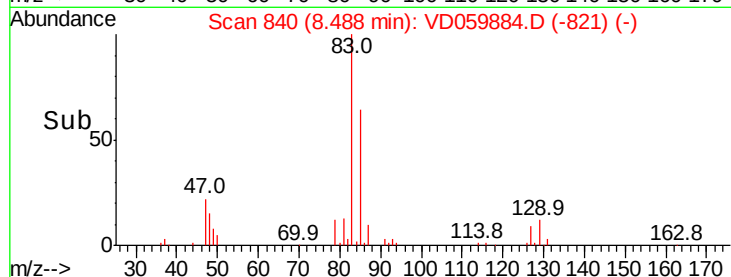
127 8.9 7.0 10.4



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: 19.640 ug/l

RT: 8.24 min Scan# 815

Delta R.T. -0.01 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

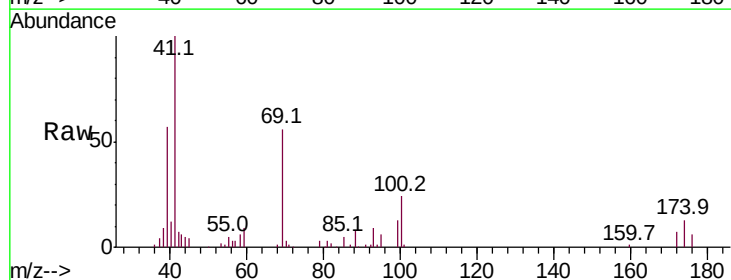
Tgt Ion: 41 Resp: 167430

Ion Ratio Lower Upper

41 100

69 56.0 48.0 72.0

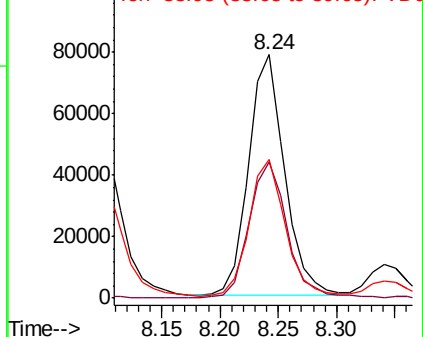
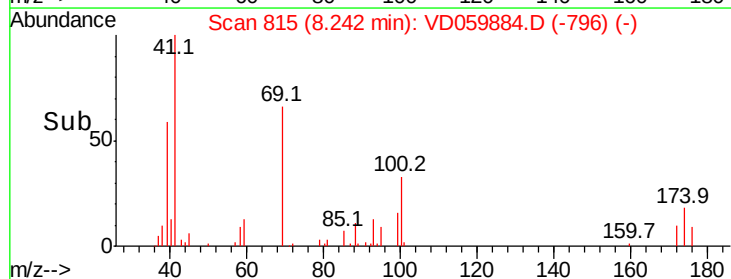
39 56.9 45.4 68.0

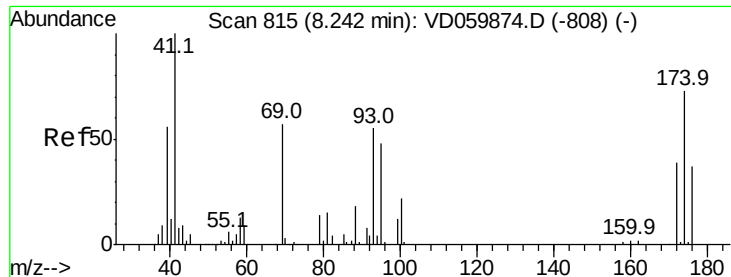


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 382.738 ug/l

RT: 8.22 min Scan# 813

Delta R.T. -0.02 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS01

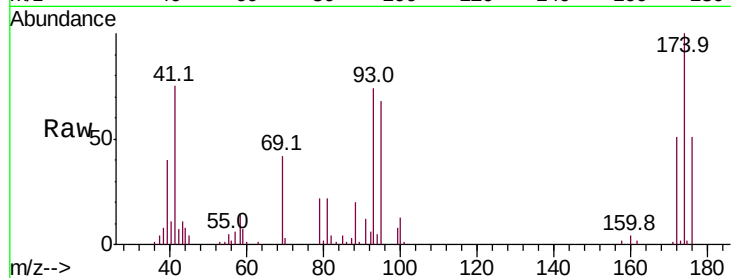
Tot Ion: 88 Resp: 29130

Ion Ratio Lower Upper

88 100

43 51.6 45.0 67.6

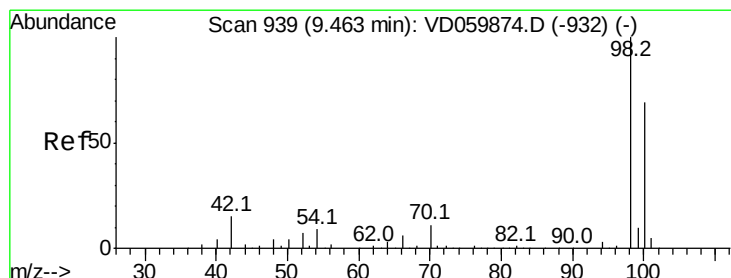
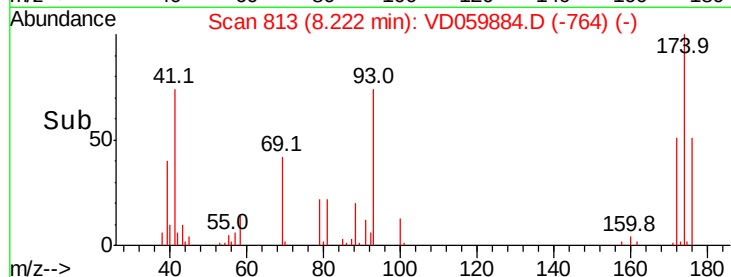
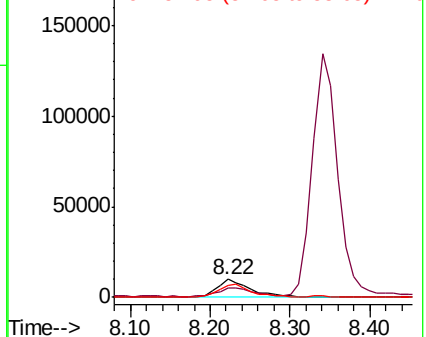
58 66.7 55.8 83.8



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: 382.738 ug/l

RT: 9.45 min Scan# 938

Delta R.T. -0.01 min

Lab File: VD059884.D

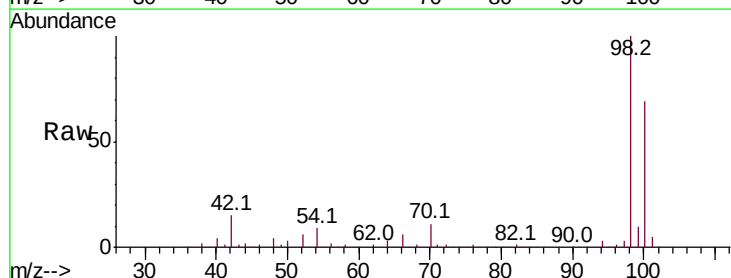
Acq: 23 Aug 2018 13:17

Tgt Ion: 98 Resp: 1753311

Ion Ratio Lower Upper

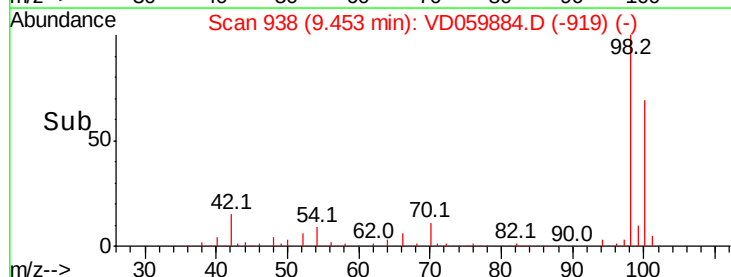
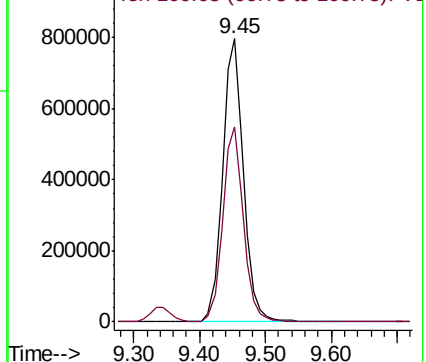
98 100

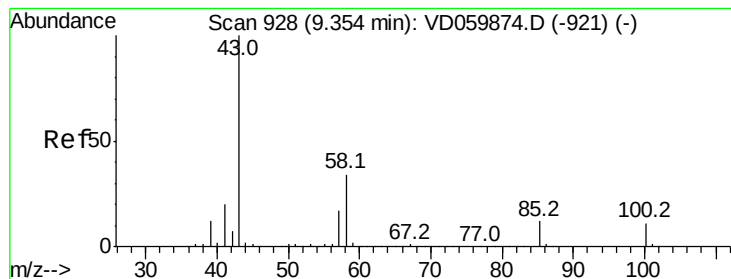
100 68.8 55.8 83.6



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: 91.946 ug/l

RT: 9.33 min Scan# 926

Delta R.T. -0.02 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

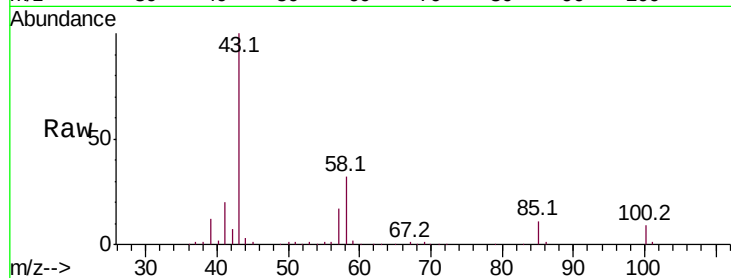
VD0823SBS01

Tot Ion: 43 Resp: 1002451

Ion Ratio Lower Upper

43 100

58 32.0 27.0 40.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.33

400000

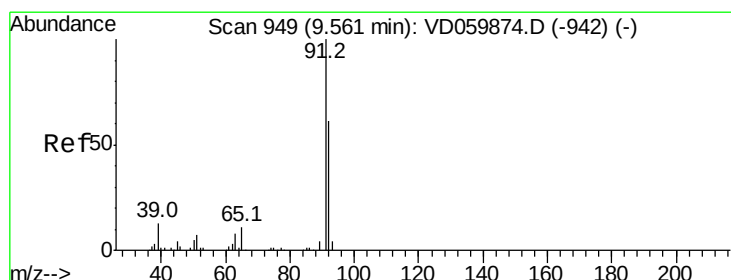
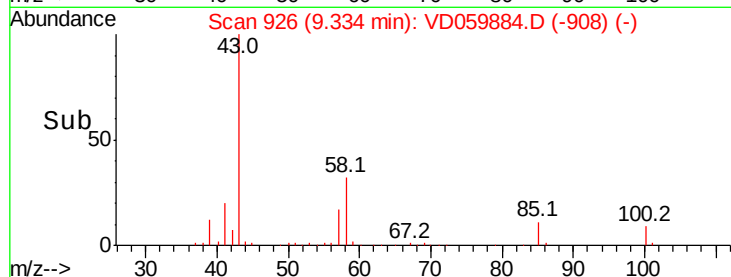
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 19.465 ug/l

RT: 9.54 min Scan# 947

Delta R.T. -0.02 min

Lab File: VD059884.D

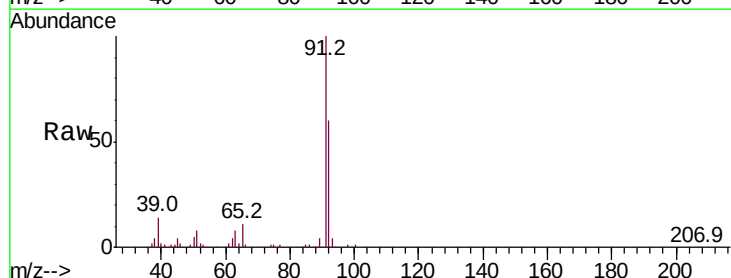
Acq: 23 Aug 2018 13:17

Tgt Ion: 92 Resp: 468835

Ion Ratio Lower Upper

92 100

91 167.2 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.54

400000

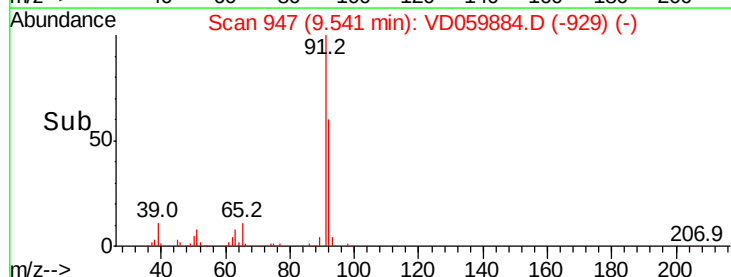
300000

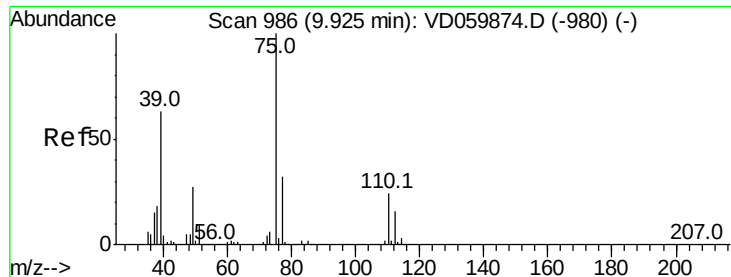
200000

100000

0

Time-->

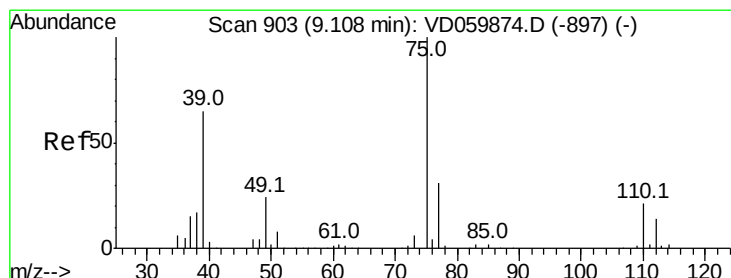
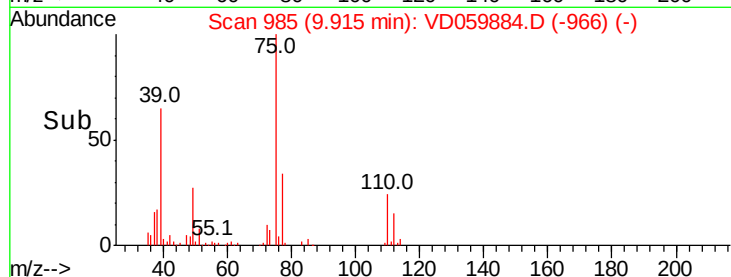
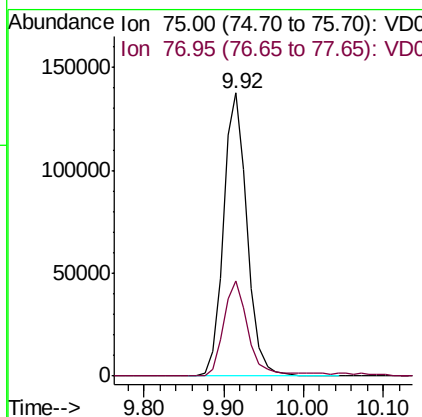
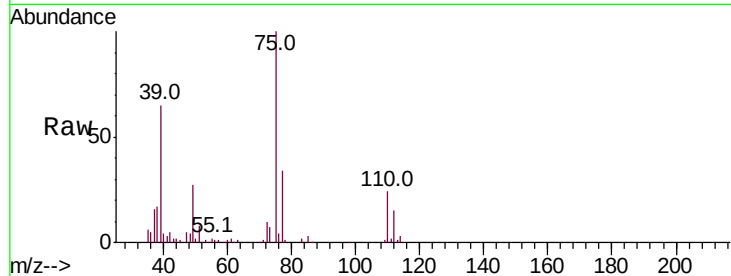




#53
 t-1,3-Dichloropropene
 Concen: 20.189 ug/l
 RT: 9.92 min Scan# 985
 Delta R.T. -0.01 min
 Lab File: VD059884.D
 Acq: 23 Aug 2018 13:17

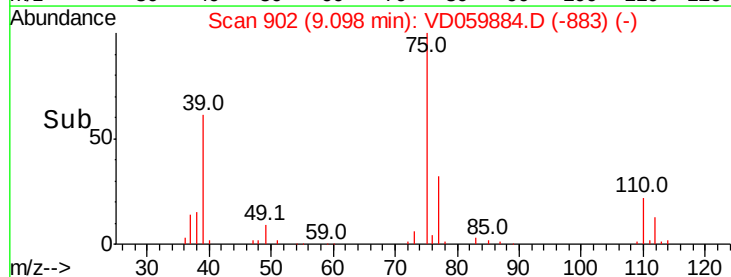
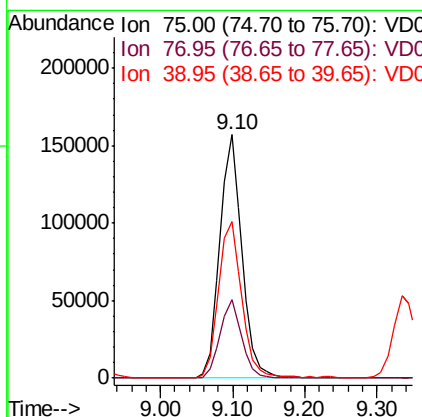
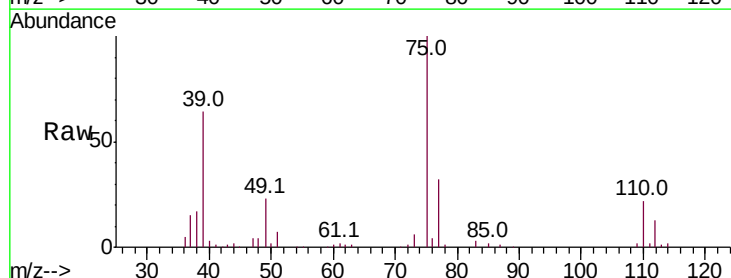
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBS01

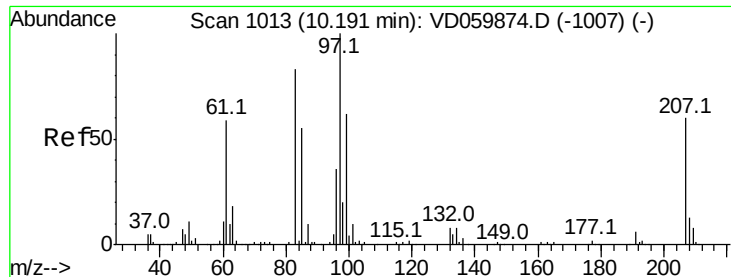
Tot Ion: 75 Resp: 285377
 Ion Ratio Lower Upper
 75 100
 77 33.6 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 20.252 ug/l
 RT: 9.10 min Scan# 902
 Delta R.T. -0.01 min
 Lab File: VD059884.D
 Acq: 23 Aug 2018 13:17

Tgt Ion: 75 Resp: 331921
 Ion Ratio Lower Upper
 75 100
 77 32.1 24.8 37.2
 39 64.4 52.1 78.1





#55

1,1,2-Trichloroethane

Concen: 19.379 ug/l

RT: 10.18 min Scan# 1012

Delta R.T. -0.01 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBSD01

Tot Ion: 97 Resp: 170617

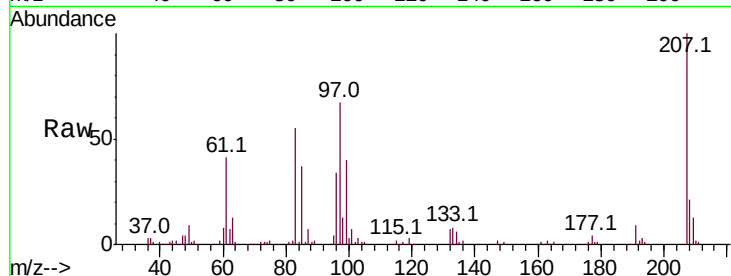
Ion Ratio Lower Upper

97 100

83 81.8 66.7 100.1

85 54.5 43.8 65.6

99 60.2 49.8 74.6

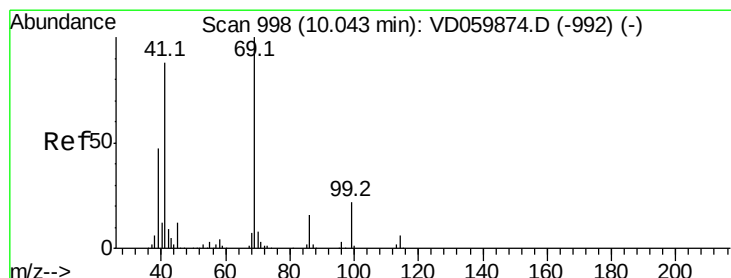
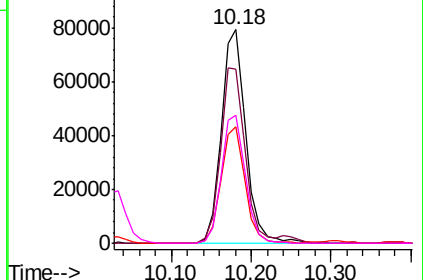
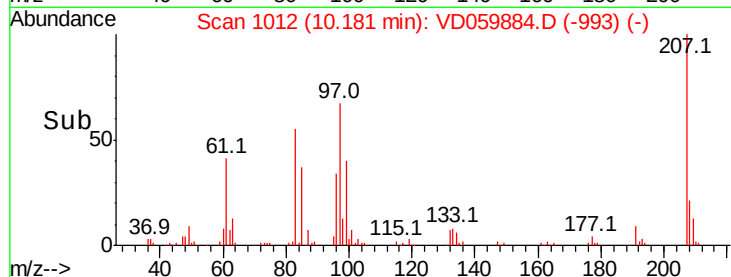


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 20.092 ug/l

RT: 10.02 min Scan# 996

Delta R.T. -0.02 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

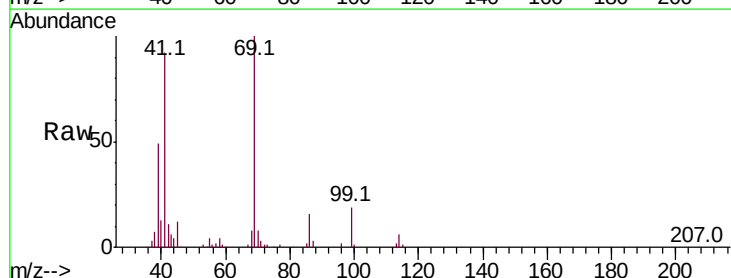
Tgt Ion: 69 Resp: 204150

Ion Ratio Lower Upper

69 100

41 92.0 71.0 106.4

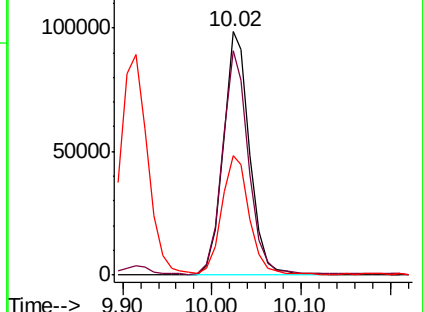
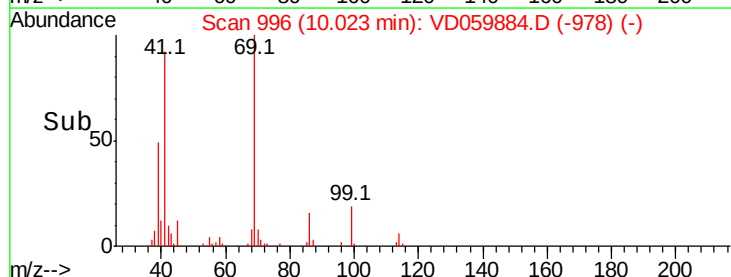
39 49.2 38.5 57.7

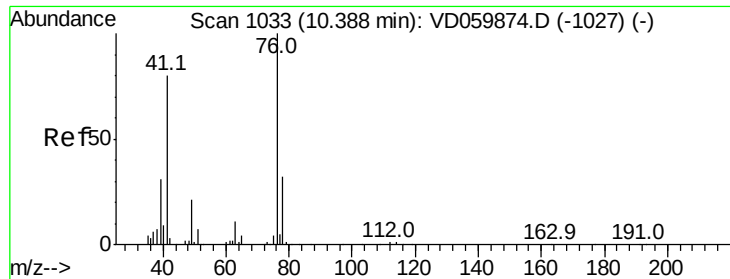


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 20.475 ug/l

RT: 10.38 min Scan# 1032

Delta R.T. -0.01 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

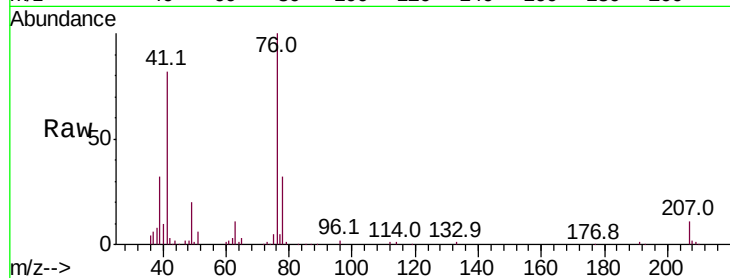
VD0823SBS01

Tot Ion: 76 Resp: 260907

Ion Ratio Lower Upper

76 100

78 31.6 25.8 38.6



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

10.38

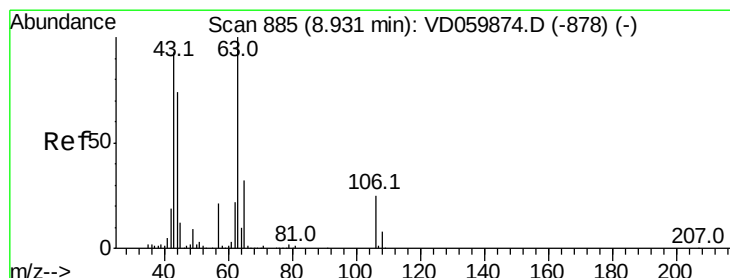
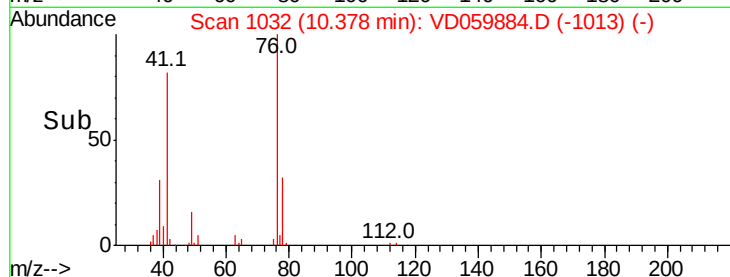
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 114.578 ug/l

RT: 8.92 min Scan# 884

Delta R.T. -0.01 min

Lab File: VD059884.D

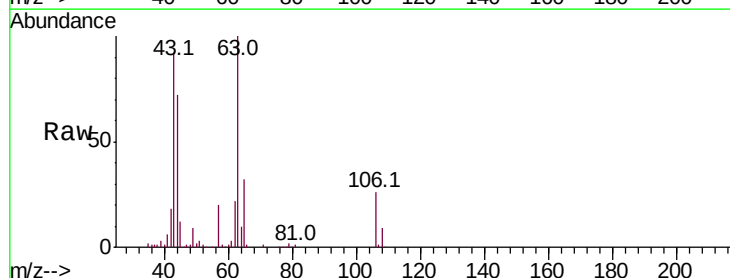
Acq: 23 Aug 2018 13:17

Tgt Ion: 63 Resp: 558493

Ion Ratio Lower Upper

63 100

106 26.3 20.1 30.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

8.92

300000

250000

200000

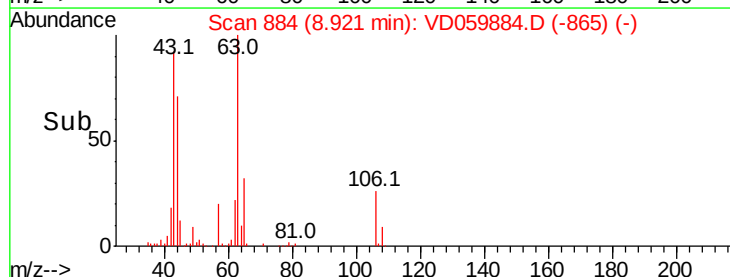
150000

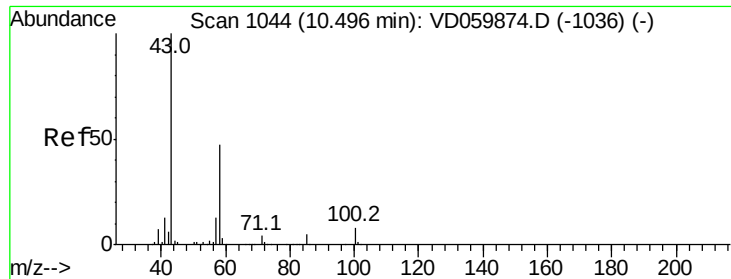
100000

50000

0

Time-->





#59

2-Hexanone

Concen: 93.091 ug/l

RT: 10.49 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

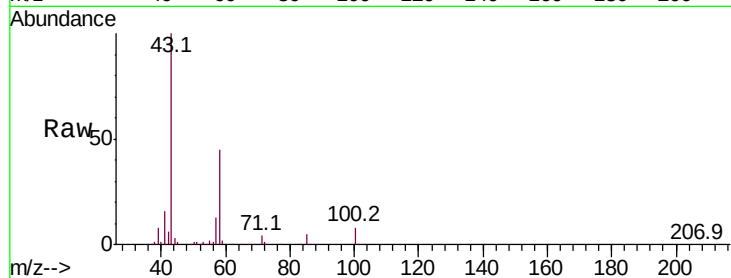
VD0823SBSD01

Tot Ion: 43 Resp: 748604

Ion Ratio Lower Upper

43 100

58 45.0 23.3 69.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.49

400000

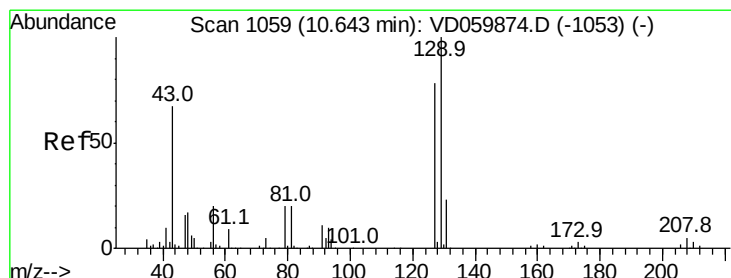
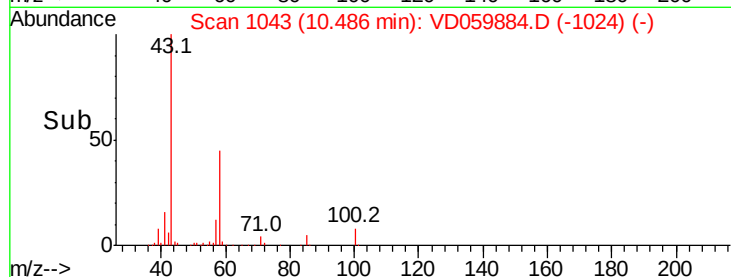
300000

200000

100000

0

Time-->



#60

Dibromochloromethane

Concen: 19.751 ug/l

RT: 10.63 min Scan# 1058

Delta R.T. -0.01 min

Lab File: VD059884.D

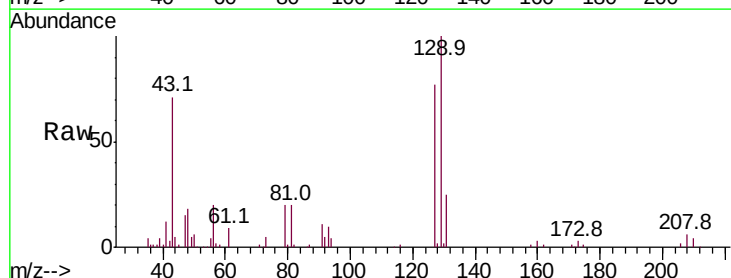
Acq: 23 Aug 2018 13:17

Tgt Ion: 129 Resp: 218566

Ion Ratio Lower Upper

129 100

127 77.3 39.1 117.2



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

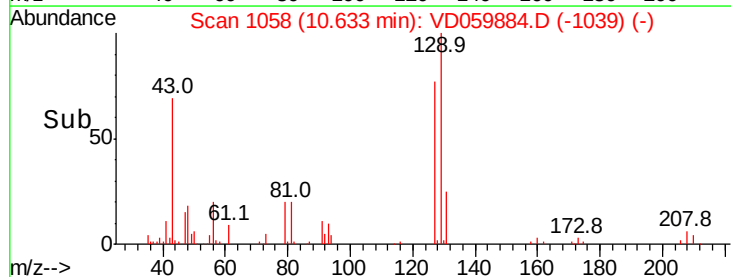
10.63

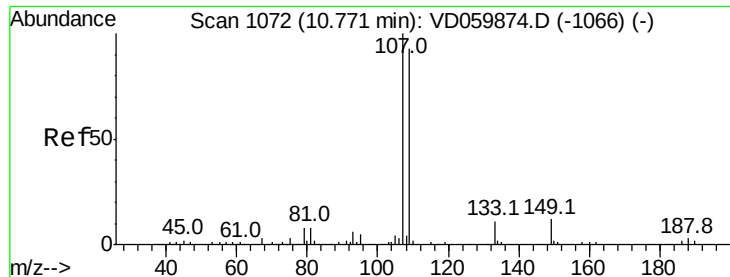
100000

50000

0

Time-->

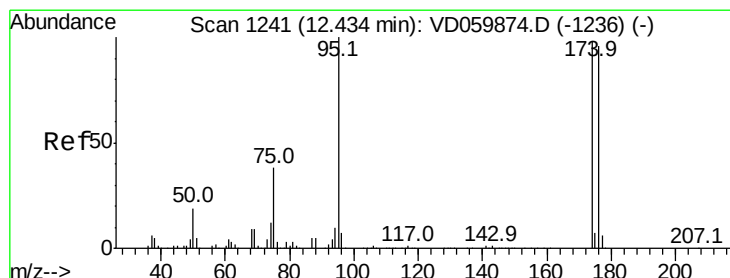
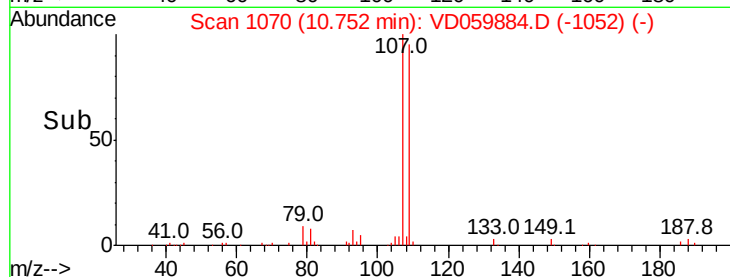
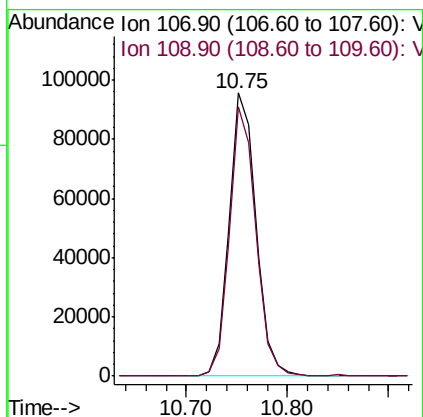
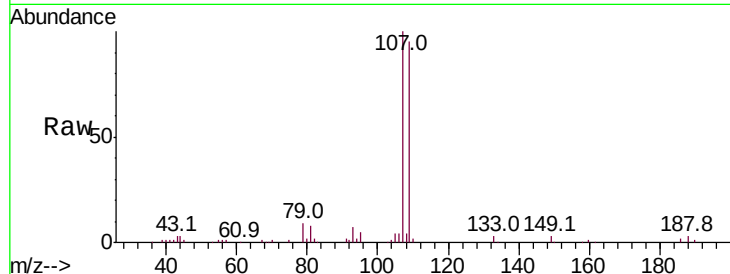




#61
 1,2-Dibromoethane
 Concen: 19.774 ug/l
 RT: 10.75 min Scan# 1070
 Delta R.T. -0.02 min
 Lab File: VD059884.D
 Acq: 23 Aug 2018 13:17

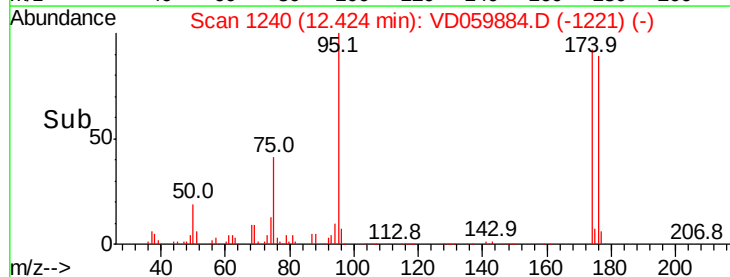
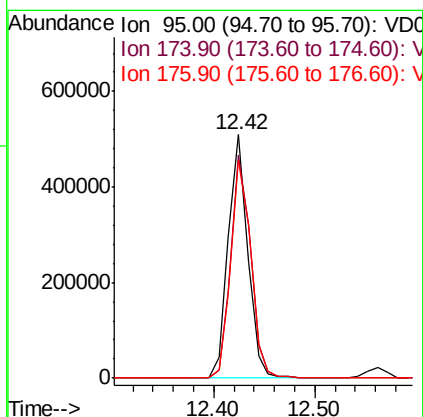
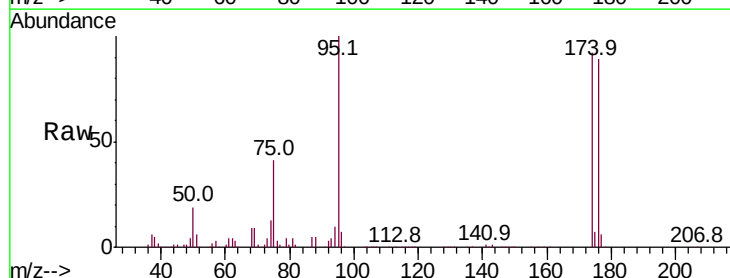
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBSD01

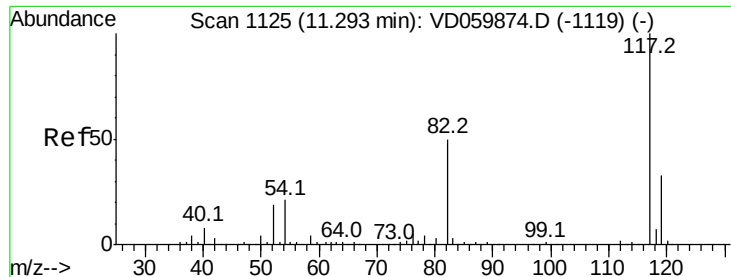
Tot Ion:107 Resp: 176032
 Ion Ratio Lower Upper
 107 100
 109 95.0 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 19.774 ug/l
 RT: 12.42 min Scan# 1240
 Delta R.T. -0.01 min
 Lab File: VD059884.D
 Acq: 23 Aug 2018 13:17

Tgt Ion: 95 Resp: 683938
 Ion Ratio Lower Upper
 95 100
 174 91.9 0.0 195.6
 176 89.4 0.0 191.2

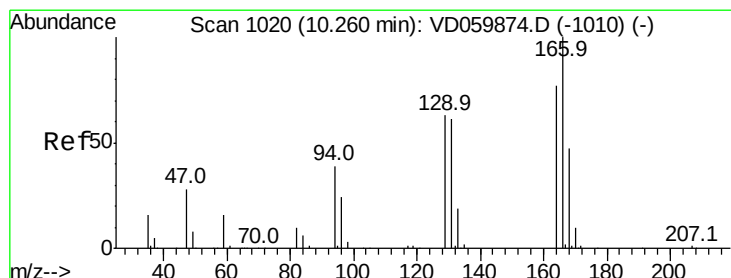
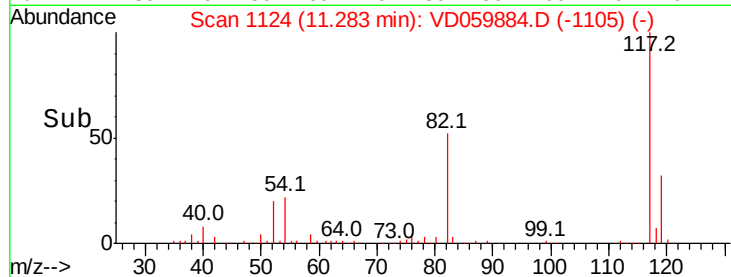
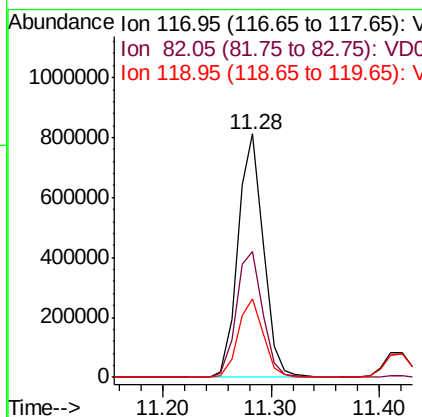
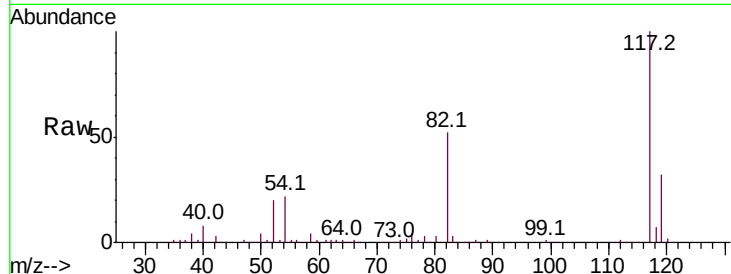




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 1124
Delta R.T. -0.01 min
Lab File: VD059884.D
Acq: 23 Aug 2018 13:17

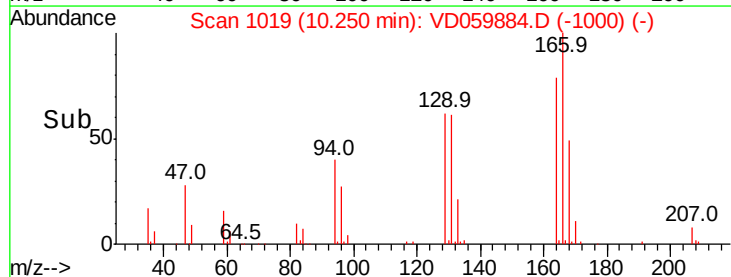
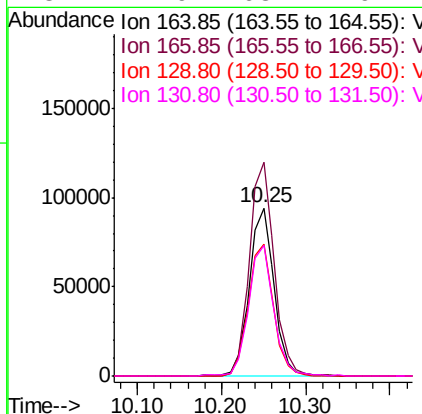
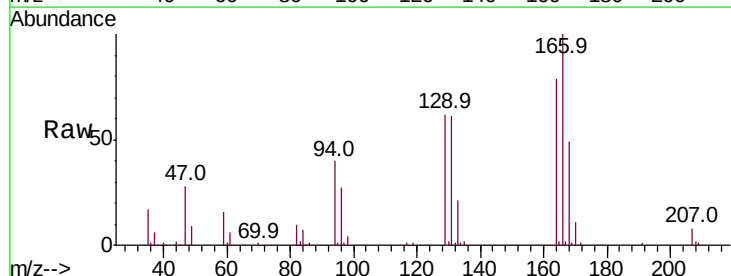
Instrument :
MSVOA_D
ClientSampleId :
VD0823SBSD01

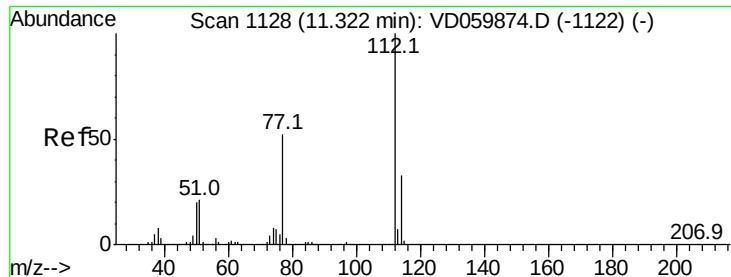
Tot Ion:117 Resp: 1318738
Ion Ratio Lower Upper
117 100
82 52.0 40.1 60.1
119 32.1 26.7 40.1



#64
Tetrachloroethene
Concen: 19.097 ug/l
RT: 10.25 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD059884.D
Acq: 23 Aug 2018 13:17

Tgt Ion:164 Resp: 194733
Ion Ratio Lower Upper
164 100
166 126.9 103.4 155.2
129 78.4 65.2 97.8
131 77.9 63.1 94.7

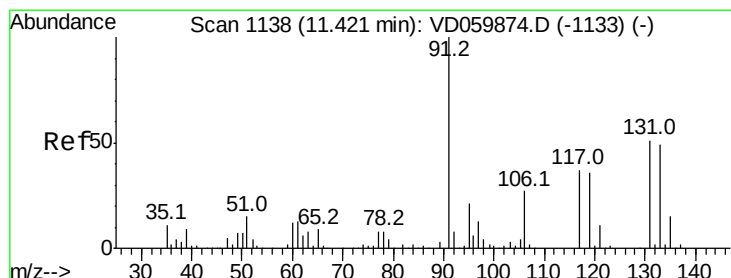
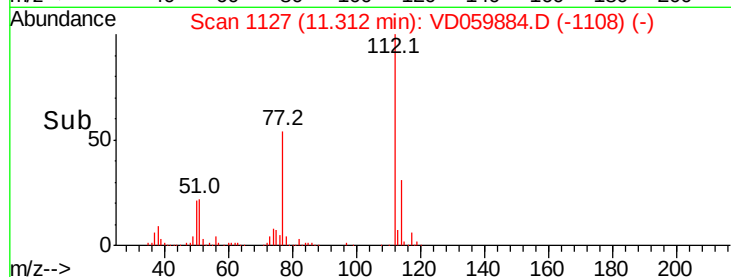
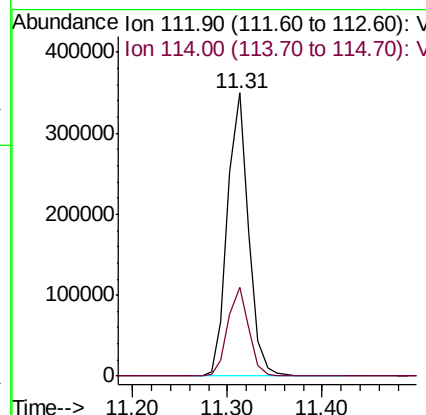
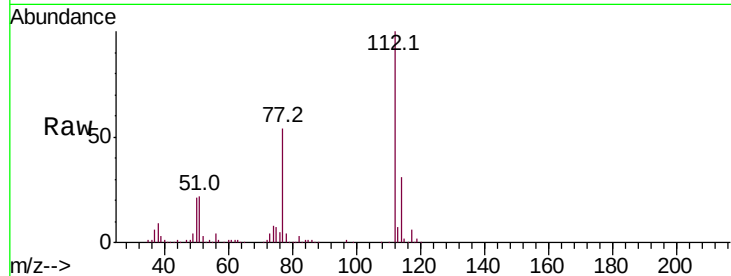




#65
Chlorobenzene
Concen: 20.544 ug/l
RT: 11.31 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD059884.D
Acq: 23 Aug 2018 13:17

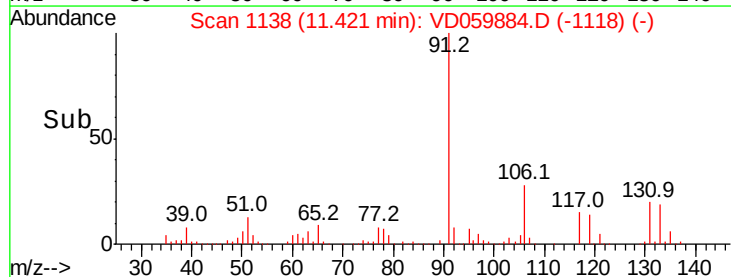
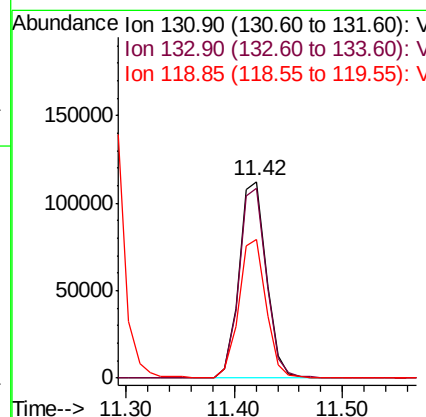
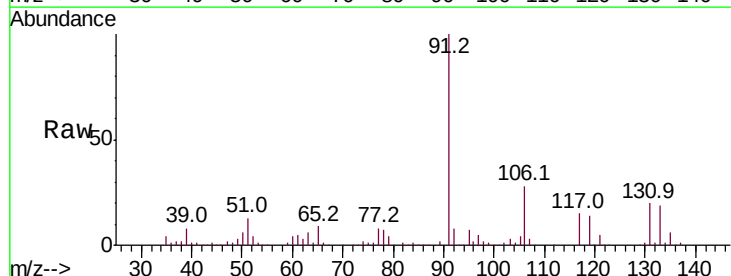
Instrument :
MSVOA_D
ClientSampleId :
VD0823SBSD01

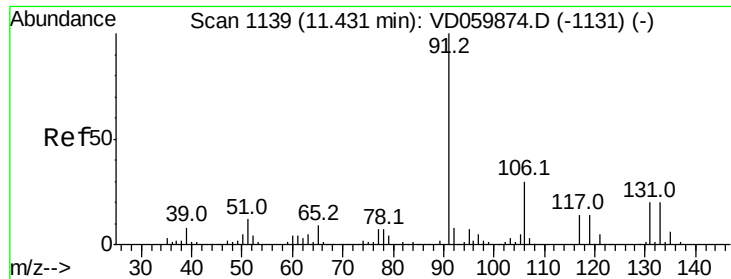
Tot Ion:112 Resp: 538378
Ion Ratio Lower Upper
112 100
114 31.3 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.715 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VD059884.D
Acq: 23 Aug 2018 13:17

Tgt Ion:131 Resp: 198328
Ion Ratio Lower Upper
131 100
133 96.3 48.3 144.8
119 70.3 35.4 106.3

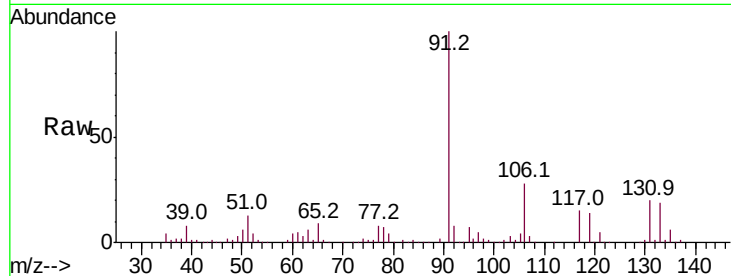




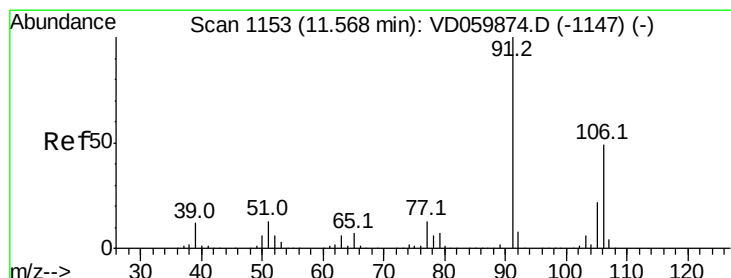
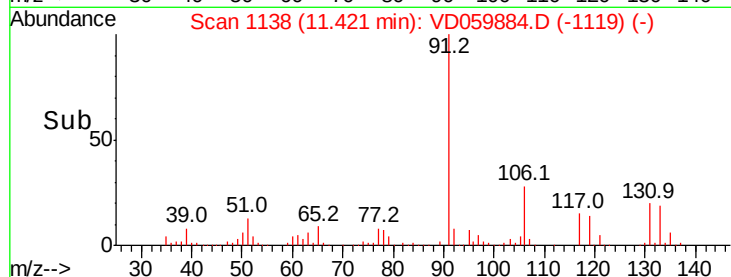
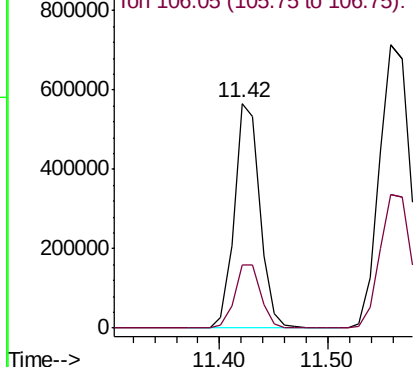
#67
Ethyl Benzene
Concen: 21.057 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD059884.D
Acq: 23 Aug 2018 13:17

Instrument :
MSVOA_D
ClientSampleId :
VD0823SBS01

Tot Ion: 91 Resp: 928362
Ion Ratio Lower Upper
91 100
106 27.9 23.8 35.8

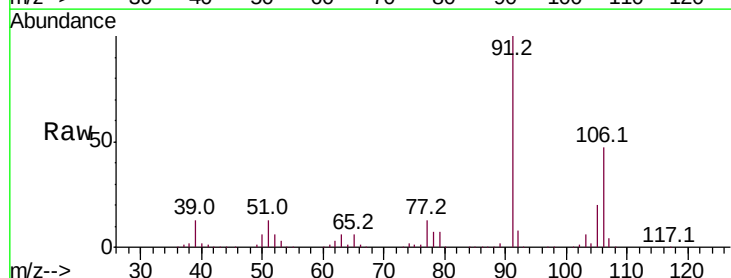


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

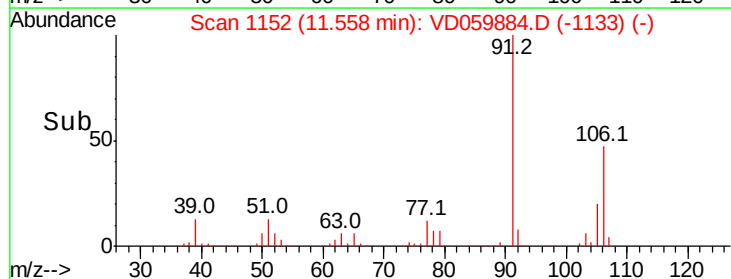
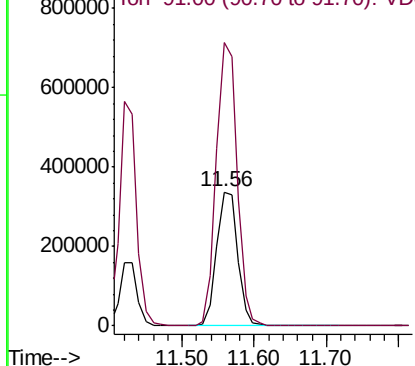


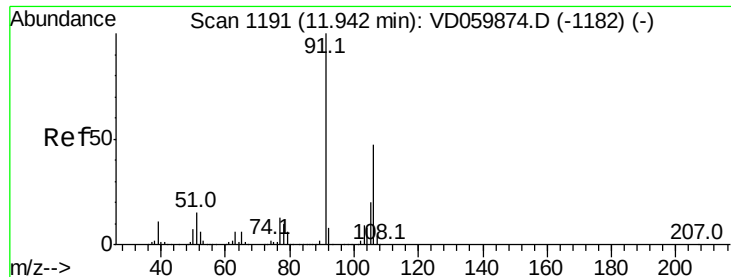
#68
m/p-Xylenes
Concen: 42.080 ug/l
RT: 11.56 min Scan# 1152
Delta R.T. -0.01 min
Lab File: VD059884.D
Acq: 23 Aug 2018 13:17

Tgt Ion: 106 Resp: 675466
Ion Ratio Lower Upper
106 100
91 211.3 162.0 243.0



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

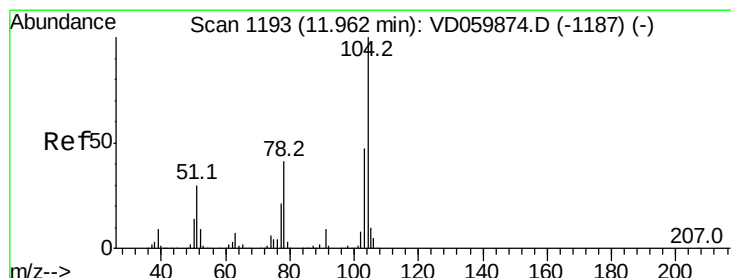
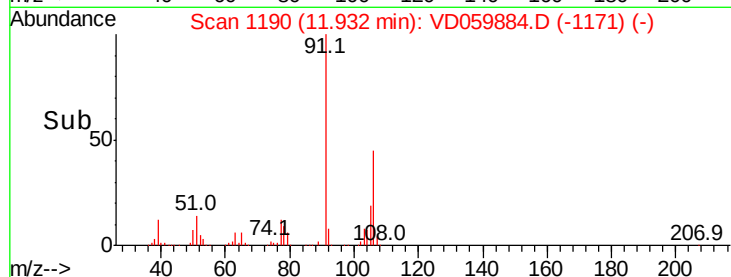
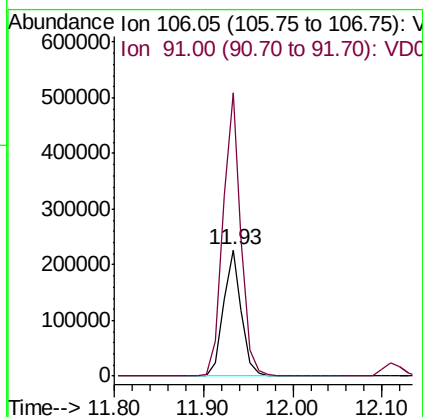
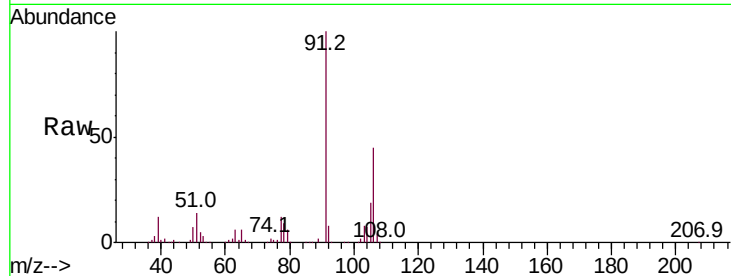




#69
o-Xylene
Concen: 20.467 ug/l
RT: 11.93 min Scan# 1190
Delta R.T. -0.01 min
Lab File: VD059884.D
Acq: 23 Aug 2018 13:17

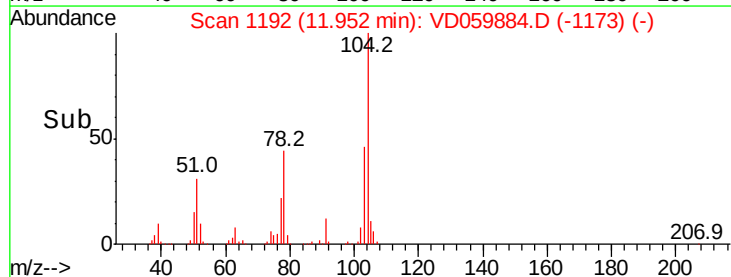
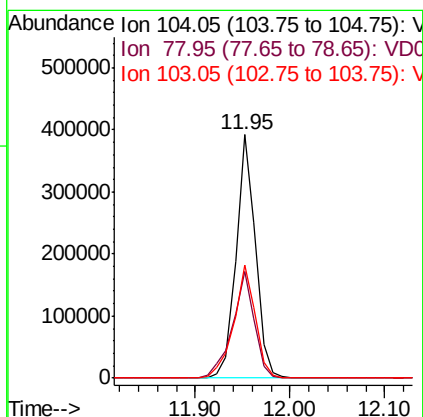
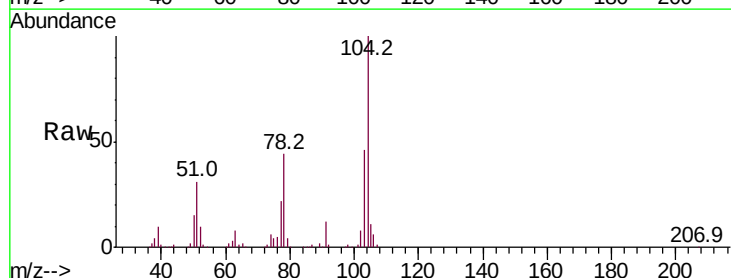
Instrument :
MSVOA_D
ClientSampleId :
VD0823SBS01

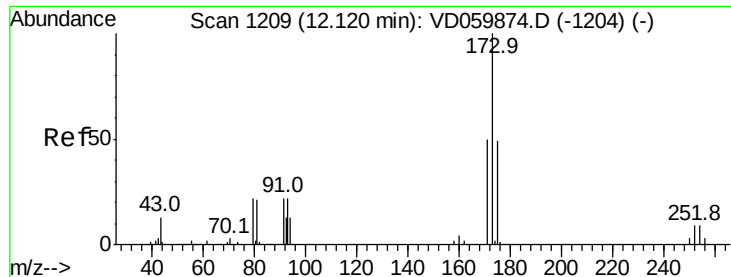
Tot Ion:106 Resp: 321326
Ion Ratio Lower Upper
106 100
91 223.7 107.3 322.0



#70
Styrene
Concen: 20.518 ug/l
RT: 11.95 min Scan# 1192
Delta R.T. -0.01 min
Lab File: VD059884.D
Acq: 23 Aug 2018 13:17

Tgt Ion:104 Resp: 557764
Ion Ratio Lower Upper
104 100
78 43.7 32.6 49.0
103 46.4 37.7 56.5





#71

Bromoform

Concen: 20.487 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBSD01

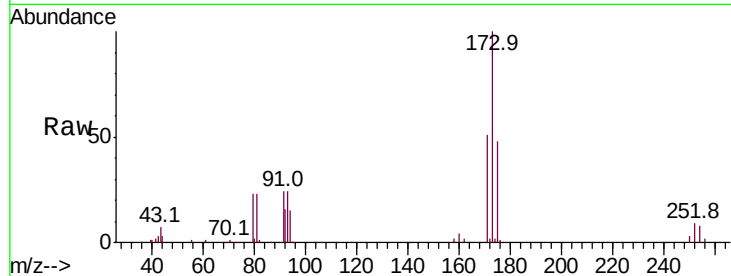
Tot Ion:173 Resp: 169711

Ion Ratio Lower Upper

173 100

175 48.2 24.3 73.0

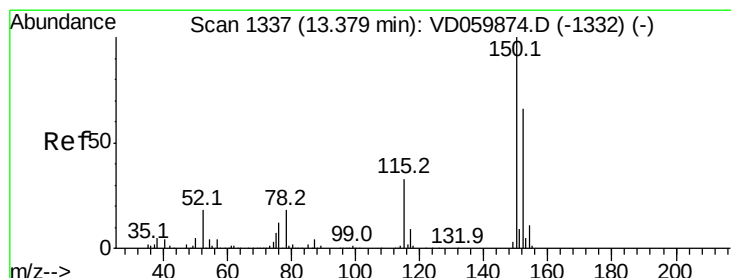
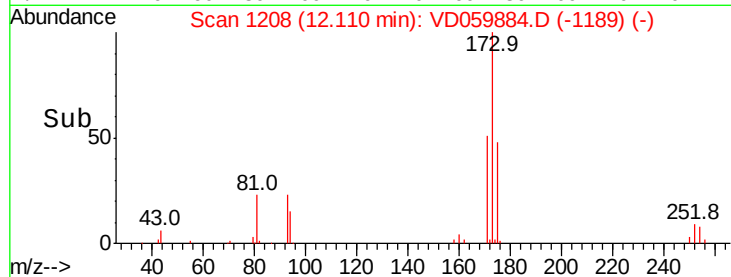
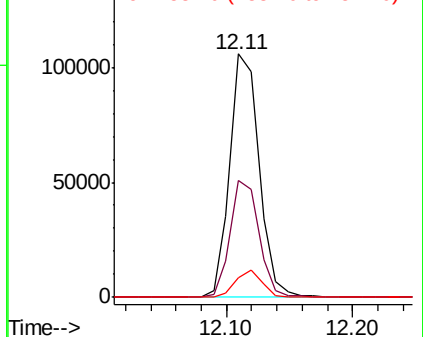
254 8.3 7.0 10.6



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# 1336

Delta R.T. -0.01 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

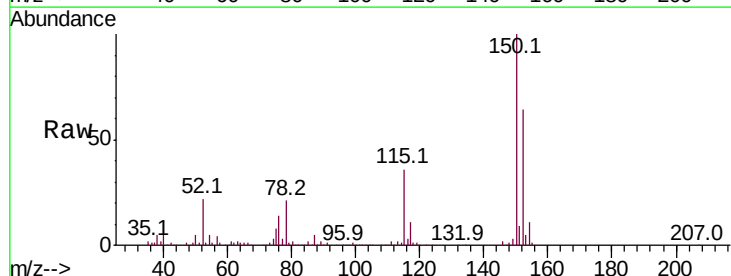
Tgt Ion:152 Resp: 720389

Ion Ratio Lower Upper

152 100

115 55.7 25.7 77.0

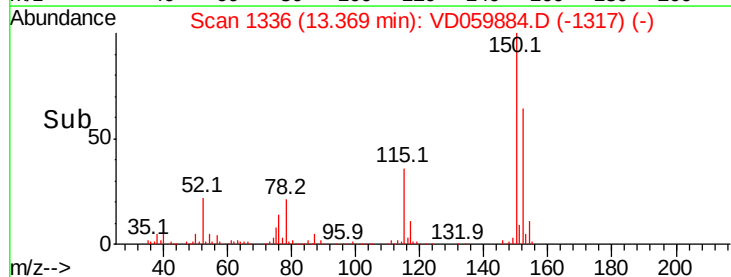
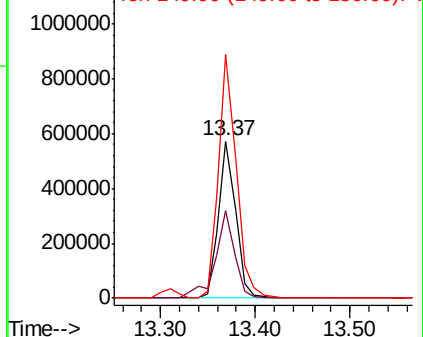
150 155.5 0.0 310.2

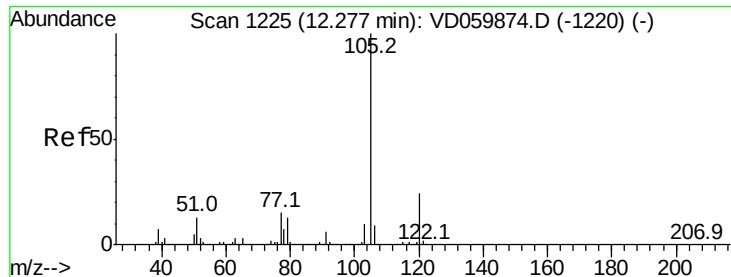


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.730 ug/l

RT: 12.28 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

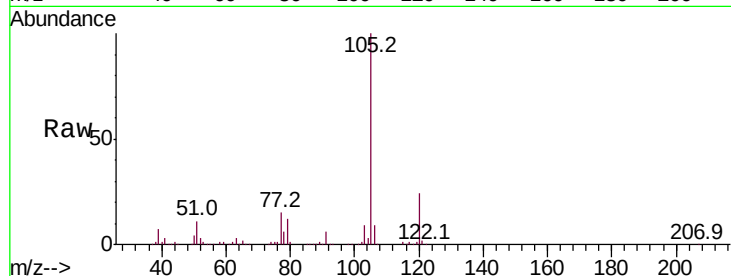
VD0823SBSD01

Tot Ion:105 Resp: 861305

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

12.28

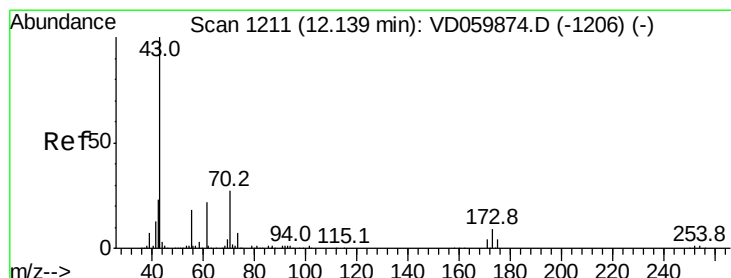
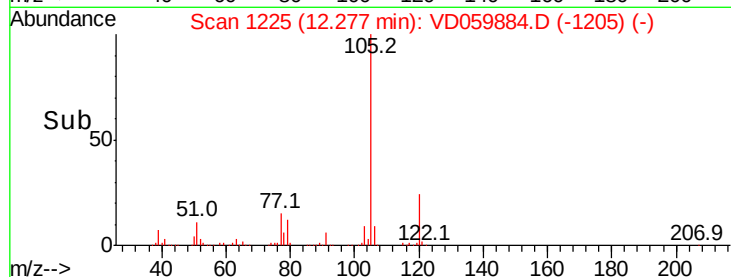
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 19.723 ug/l

RT: 12.13 min Scan# 1210

Delta R.T. -0.01 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

Tgt Ion: 43 Resp: 397122

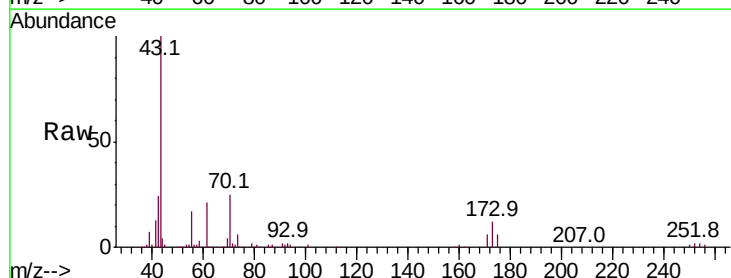
Ion Ratio Lower Upper

43 100

70 25.0 21.4 32.2

55 16.9 14.1 21.1

61 21.4 17.8 26.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

400000

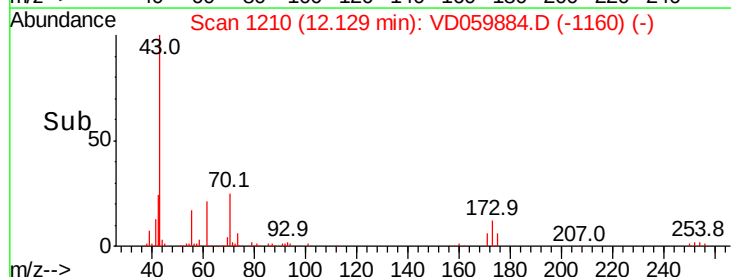
300000

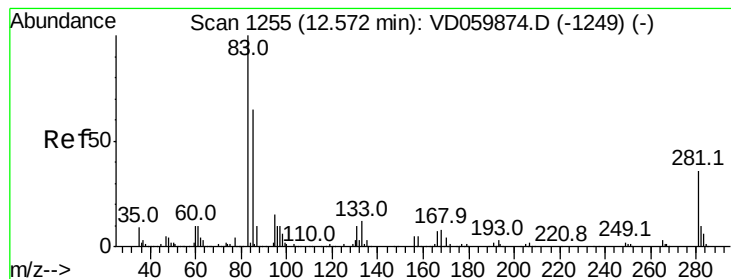
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.092 ug/l

RT: 12.56 min Scan# 1254

Delta R.T. -0.01 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBSD01

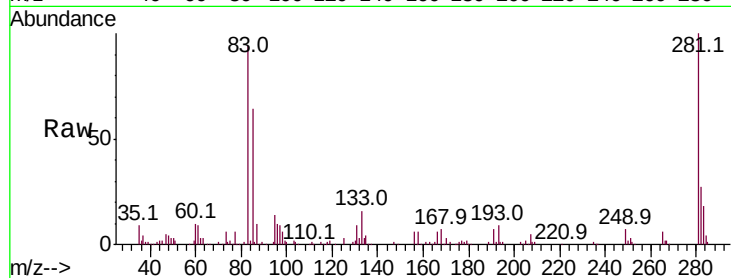
Tot Ion: 83 Resp: 213713

Ion Ratio Lower Upper

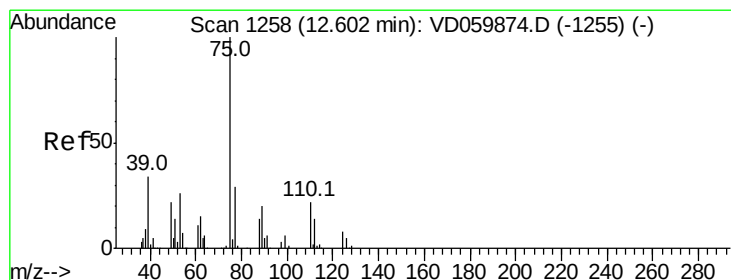
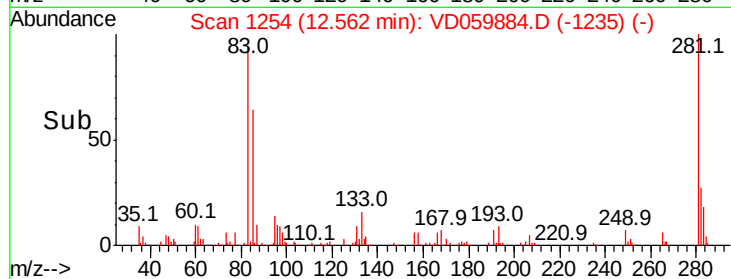
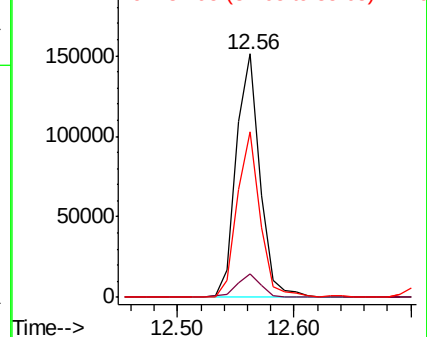
83 100

131 9.7 4.8 14.4

85 67.9 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: 19.693 ug/l

RT: 12.59 min Scan# 1257

Delta R.T. -0.01 min

Lab File: VD059884.D

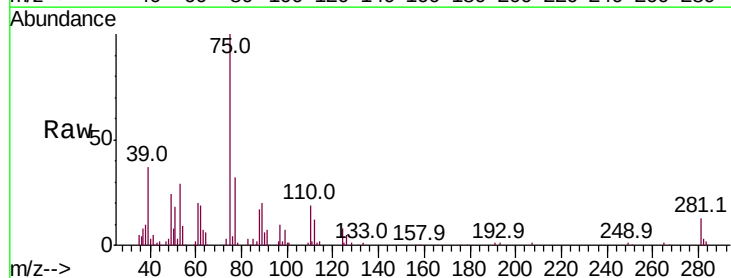
Acq: 23 Aug 2018 13:17

Tgt Ion: 75 Resp: 220492

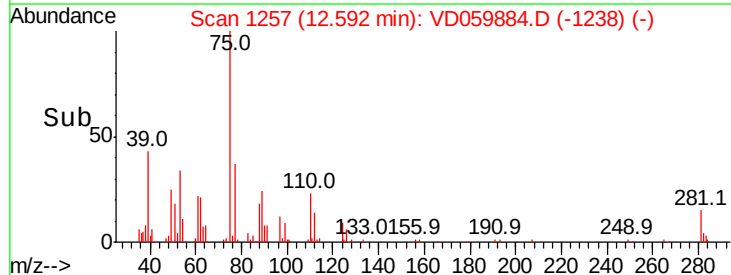
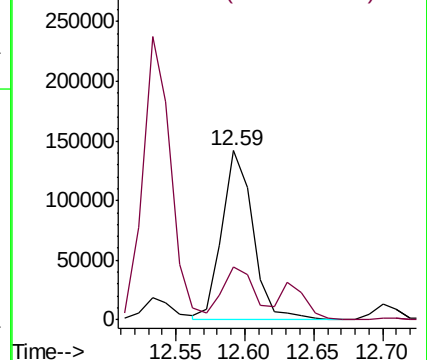
Ion Ratio Lower Upper

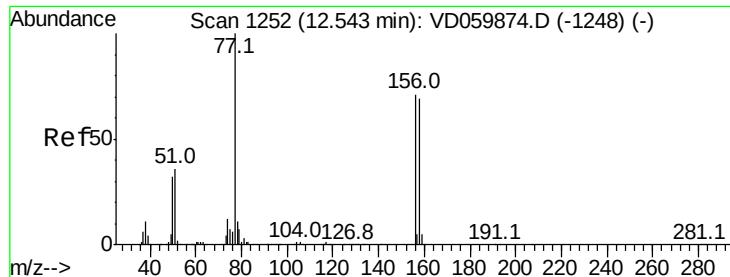
75 100

77 31.7 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: 19.761 ug/l

RT: 12.54 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBS01

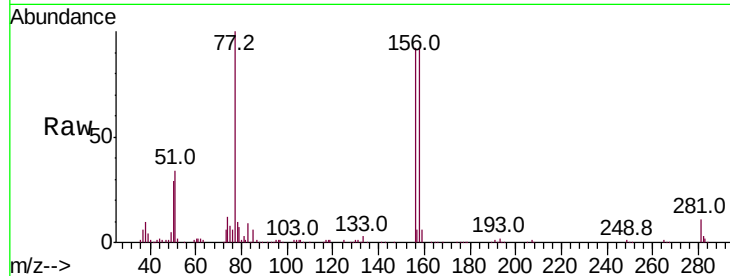
Tot Ion:156 Resp: 251942

Ion Ratio Lower Upper

156 100

77 109.0 70.2 210.4

158 100.2 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

300000

250000

200000

150000

100000

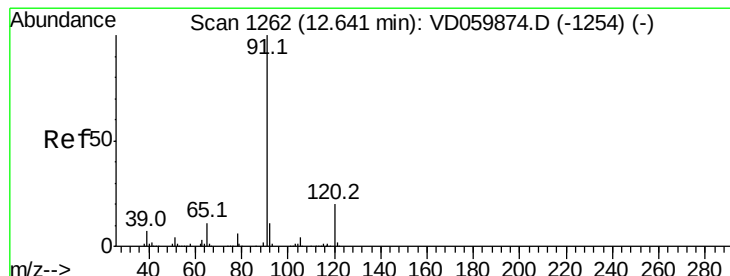
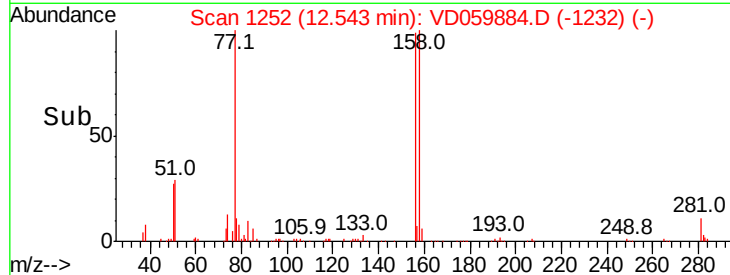
50000

0

12.54

12.60

Time-->



#78

n-propylbenzene

Concen: 19.679 ug/l

RT: 12.63 min Scan# 1261

Delta R.T. -0.01 min

Lab File: VD059884.D

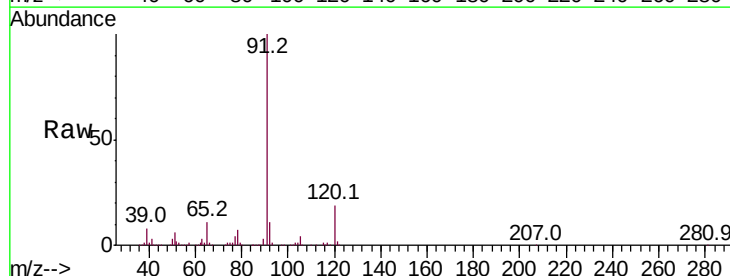
Acq: 23 Aug 2018 13:17

Tgt Ion: 91 Resp: 1145920

Ion Ratio Lower Upper

91 100

120 18.8 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

800000

600000

400000

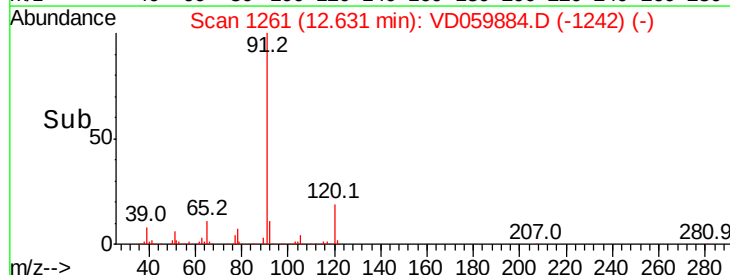
200000

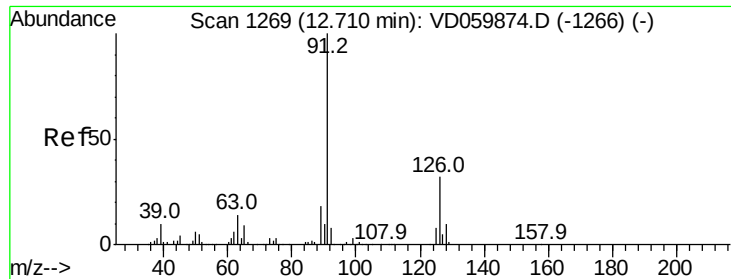
0

12.63

12.70

Time-->

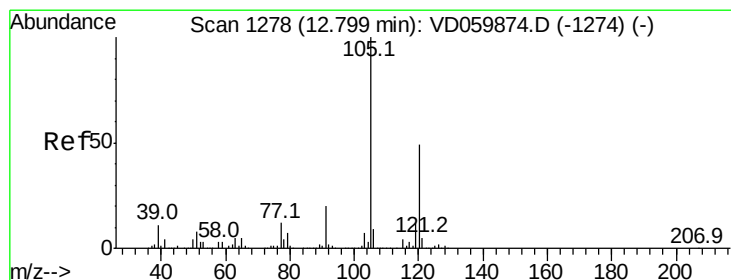
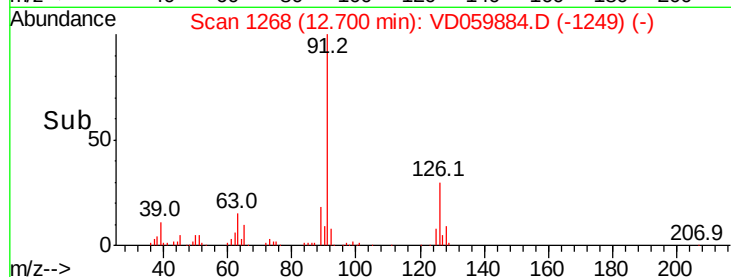
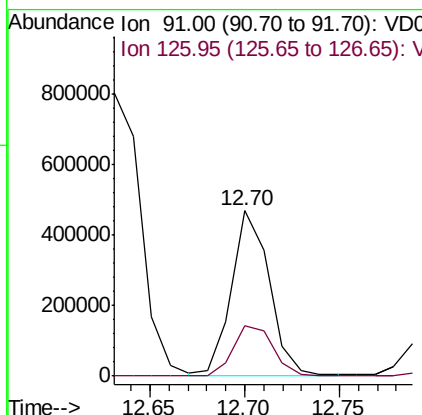
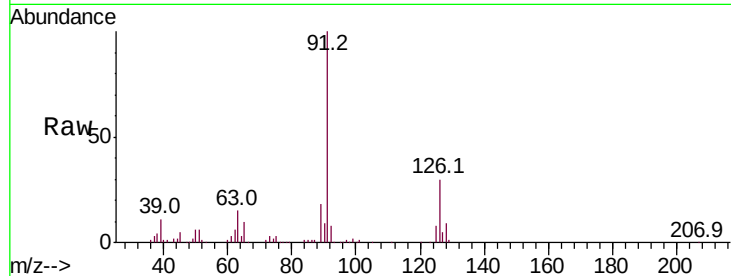




#79
 2-Chlorotoluene
 Concen: 19.625 ug/l
 RT: 12.70 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VD059884.D
 Acq: 23 Aug 2018 13:17

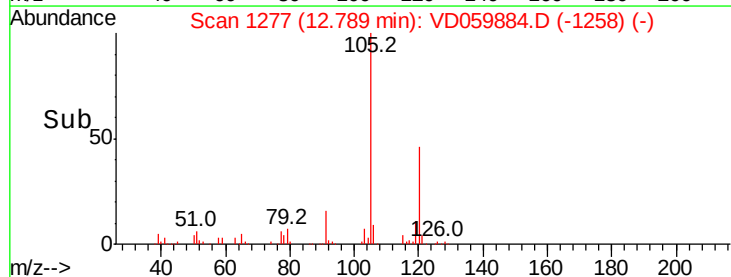
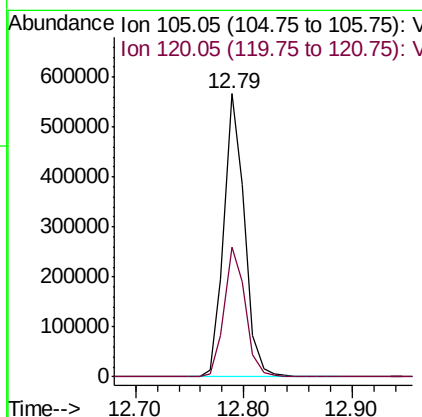
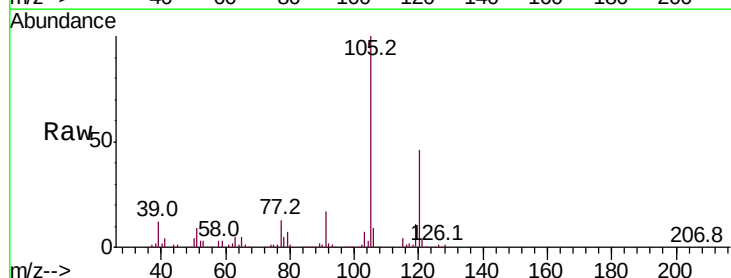
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBSD01

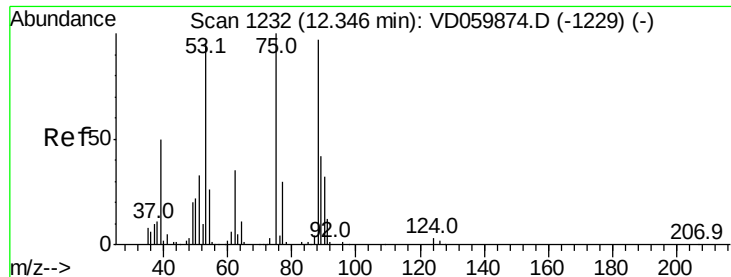
Tot Ion: 91 Resp: 646263
 Ion Ratio Lower Upper
 91 100
 126 30.2 16.1 48.2



#80
 1,3,5-Trimethylbenzene
 Concen: 20.571 ug/l
 RT: 12.79 min Scan# 1277
 Delta R.T. -0.01 min
 Lab File: VD059884.D
 Acq: 23 Aug 2018 13:17

Tgt Ion:105 Resp: 752101
 Ion Ratio Lower Upper
 105 100
 120 45.8 24.5 73.5





#81

trans-1,4-Dichloro-2-butene

Concen: 18.631 ug/l

RT: 12.34 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBSD01

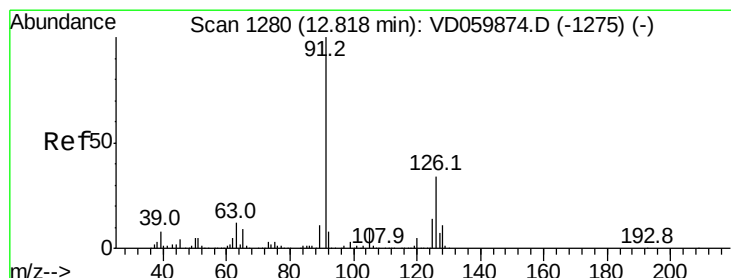
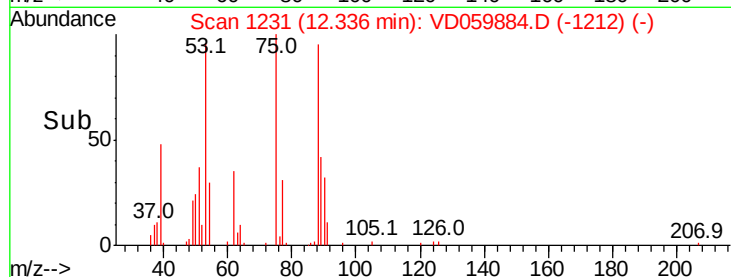
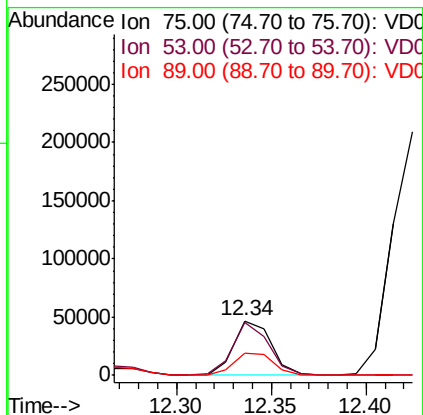
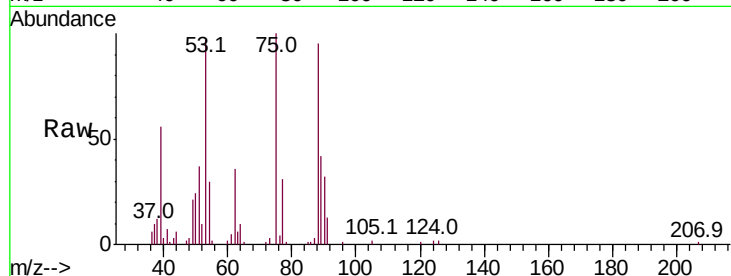
Tot Ion: 75 Resp: 64890

Ion Ratio Lower Upper

75 100

53 96.9 75.8 113.6

89 41.6 33.6 50.4



#82

4-Chlorotoluene

Concen: 20.674 ug/l

RT: 12.81 min Scan# 1279

Delta R.T. -0.01 min

Lab File: VD059884.D

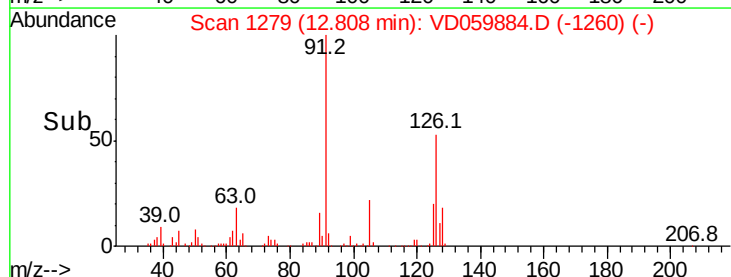
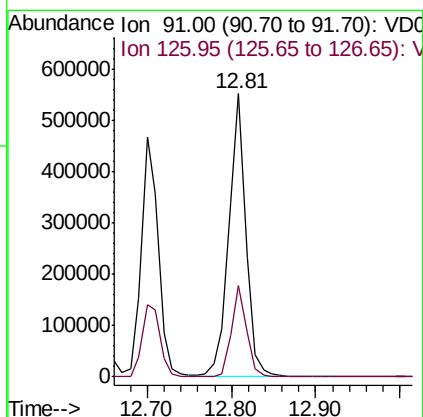
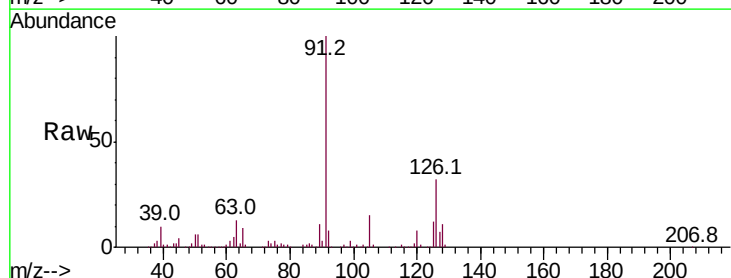
Acq: 23 Aug 2018 13:17

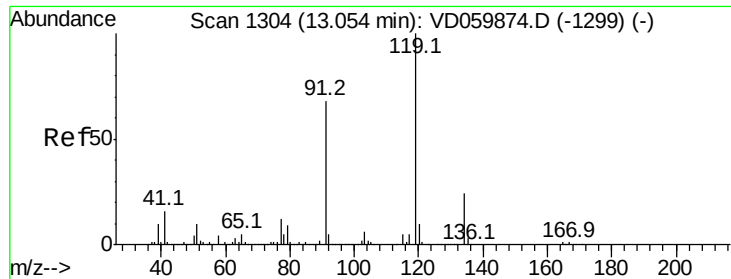
Tgt Ion: 91 Resp: 776550

Ion Ratio Lower Upper

91 100

126 32.1 17.1 51.2

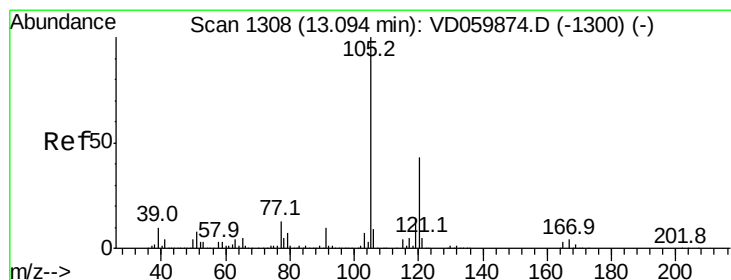
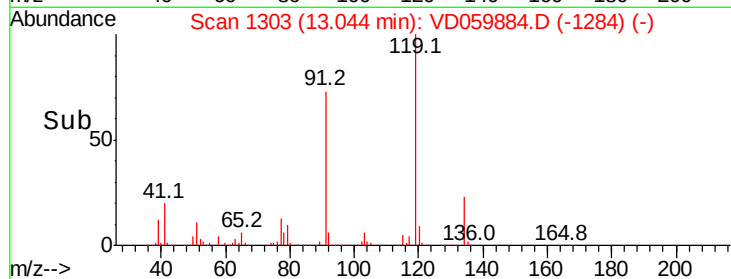
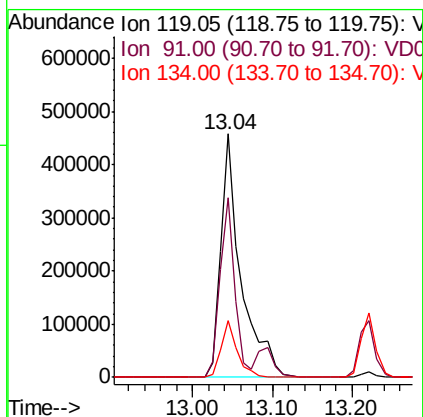
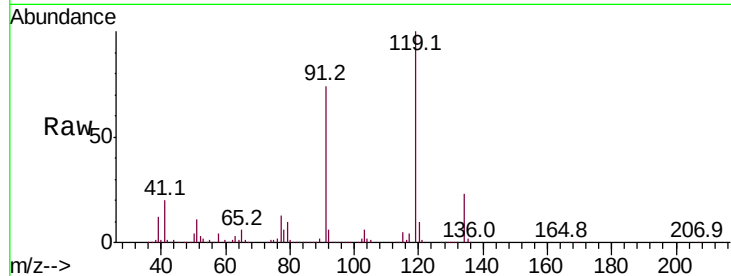




#83
 tert-Butylbenzene
 Concen: 19.695 ug/l
 RT: 13.04 min Scan# 1303
 Delta R.T. -0.01 min
 Lab File: VD059884.D
 Acq: 23 Aug 2018 13:17

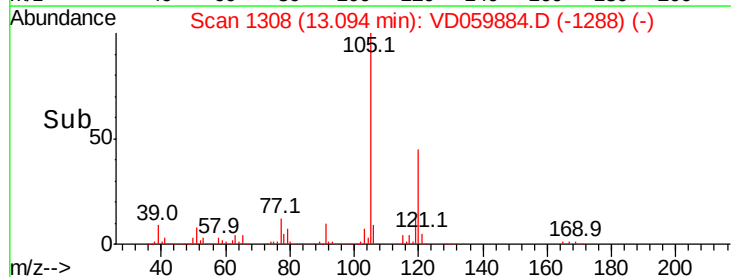
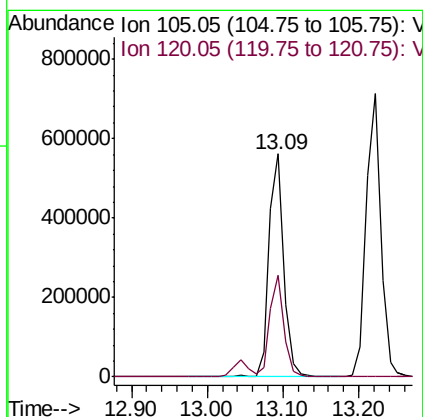
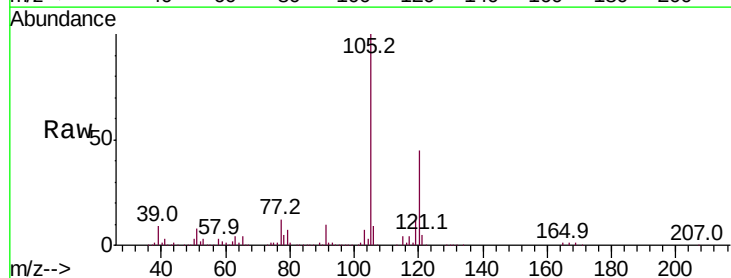
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBSD01

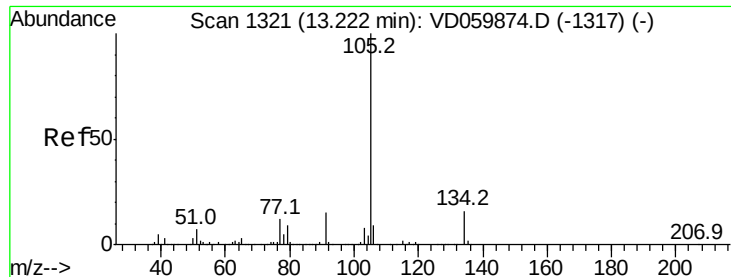
Tot Ion:119 Resp: 820235
 Ion Ratio Lower Upper
 119 100
 91 73.5 34.3 102.9
 134 23.5 11.9 35.9



#84
 1,2,4-Trimethylbenzene
 Concen: 19.878 ug/l
 RT: 13.09 min Scan# 1308
 Delta R.T. -0.00 min
 Lab File: VD059884.D
 Acq: 23 Aug 2018 13:17

Tgt Ion:105 Resp: 757500
 Ion Ratio Lower Upper
 105 100
 120 45.4 21.8 65.3

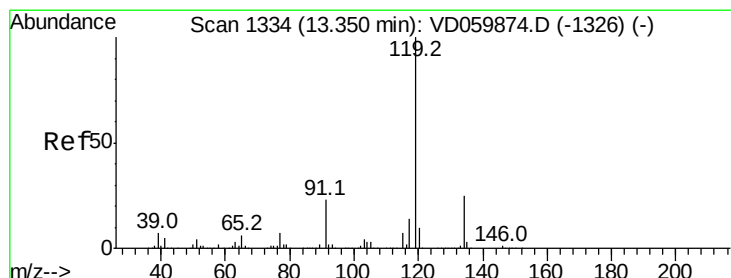
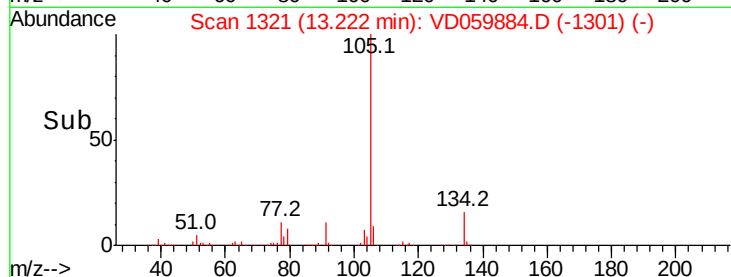
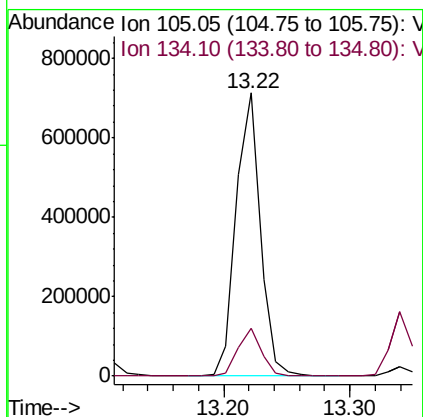
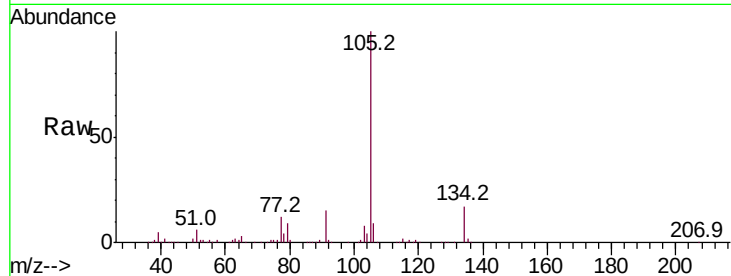




#85
 sec-Butylbenzene
 Concen: 19.077 ug/l
 RT: 13.22 min Scan# 1321
 Delta R.T. -0.00 min
 Lab File: VD059884.D
 Acq: 23 Aug 2018 13:17

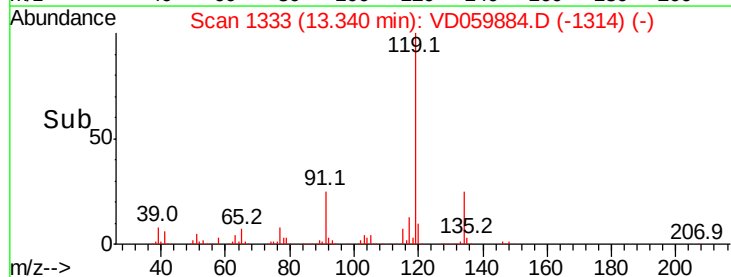
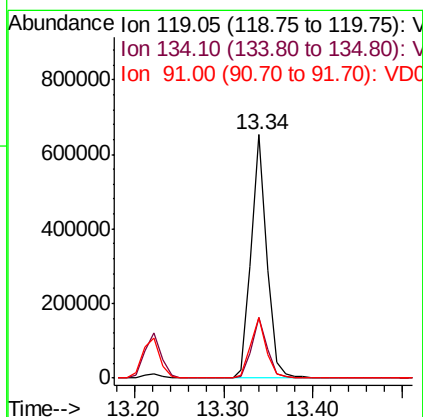
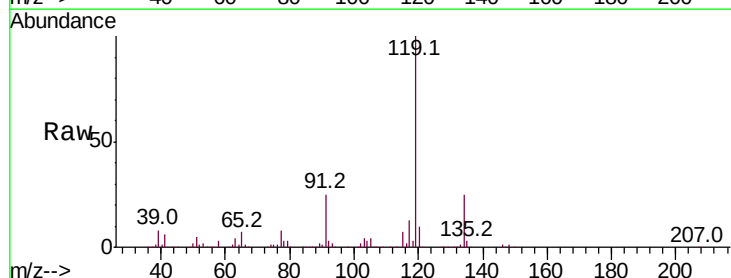
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBSD01

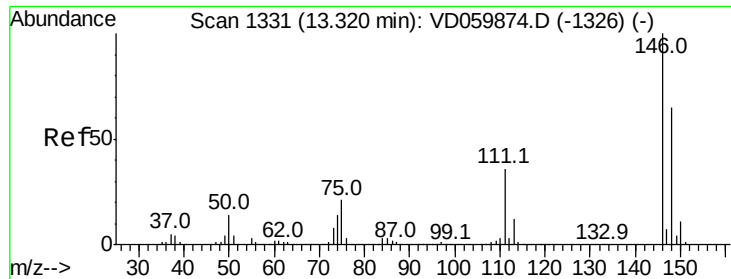
Tot Ion:105 Resp: 934340
 Ion Ratio Lower Upper
 105 100
 134 17.1 8.2 24.4



#86
 p-Isopropyltoluene
 Concen: 19.667 ug/l
 RT: 13.34 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: VD059884.D
 Acq: 23 Aug 2018 13:17

Tgt Ion:119 Resp: 783383
 Ion Ratio Lower Upper
 119 100
 134 25.1 12.7 38.1
 91 24.7 11.7 35.0

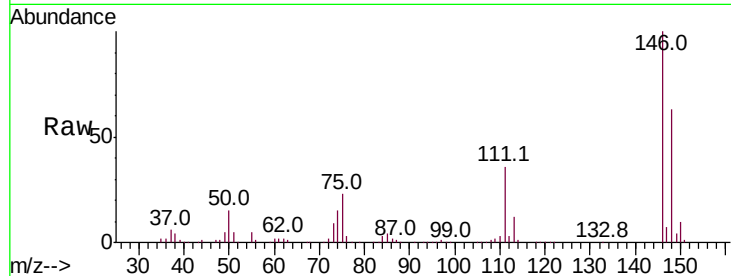




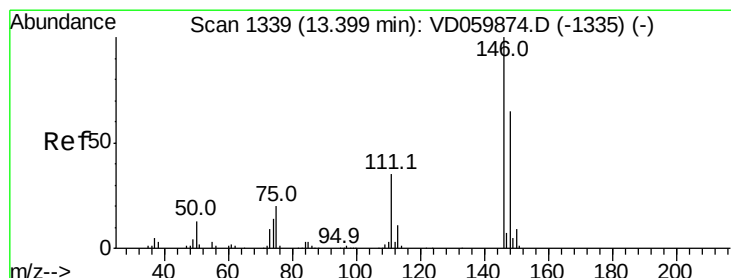
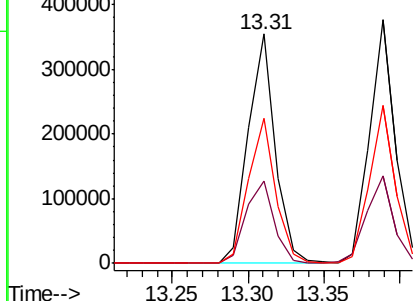
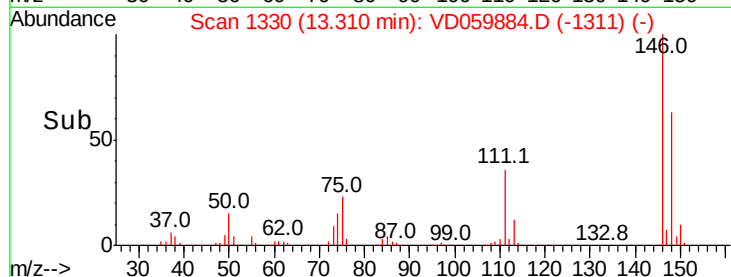
#87
 1,3-Dichlorobenzene
 Concen: 19.478 ug/l
 RT: 13.31 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: VD059884.D
 Acq: 23 Aug 2018 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBSD01

Tot Ion:146 Resp: 443359
 Ion Ratio Lower Upper
 146 100
 111 36.0 17.9 53.7
 148 63.2 32.4 97.0

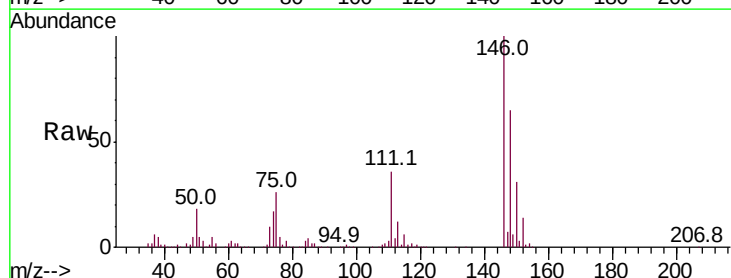


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

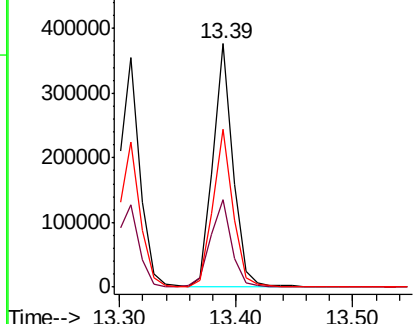
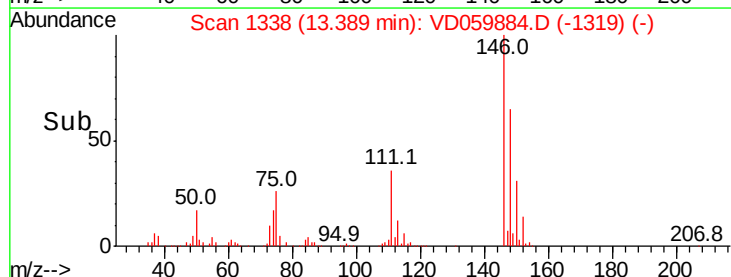


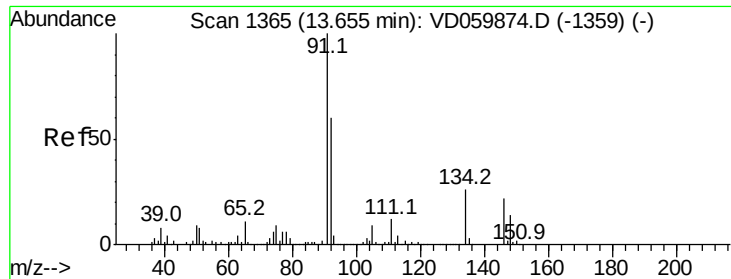
#88
 1,4-Dichlorobenzene
 Concen: 19.719 ug/l
 RT: 13.39 min Scan# 1338
 Delta R.T. -0.01 min
 Lab File: VD059884.D
 Acq: 23 Aug 2018 13:17

Tgt Ion:146 Resp: 447810
 Ion Ratio Lower Upper
 146 100
 111 36.1 17.5 52.6
 148 64.7 32.5 97.5



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





#89

n-Butylbenzene

Concen: 19.411 ug/l

RT: 13.64 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD059884.D

Acq: 23 Aug 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0823SBSD01

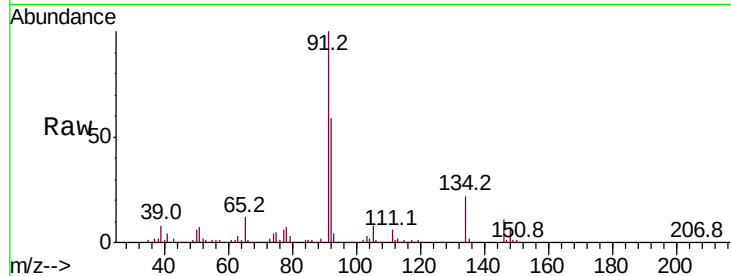
Tot Ion: 91 Resp: 839867

Ion Ratio Lower Upper

91 100

92 58.8 30.0 90.1

134 22.2 12.8 38.4



Abundance Ion 91.00 (90.70 to 91.70): VD059874.D (-1359) (-)

Ion 92.00 (91.70 to 92.70): VD059874.D (-1359) (-)

Ion 134.10 (133.80 to 134.80): VD059874.D (-1359) (-)

13.64

800000

600000

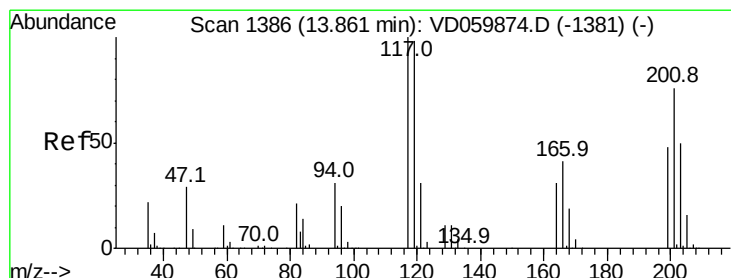
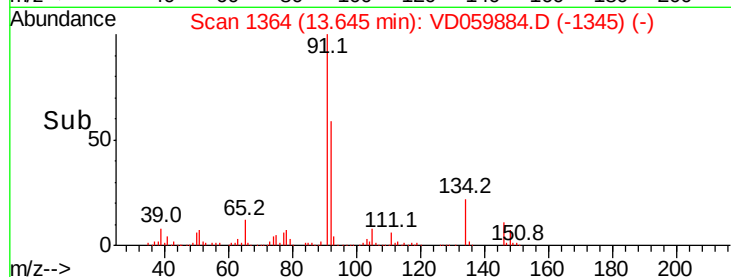
400000

200000

0

13.60 13.70 13.80

Time-->



#90

Hexachloroethane

Concen: 18.250 ug/l

RT: 13.85 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VD059884.D

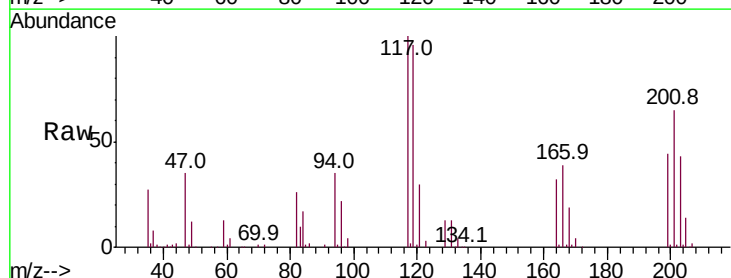
Acq: 23 Aug 2018 13:17

Tgt Ion: 117 Resp: 195191

Ion Ratio Lower Upper

117 100

201 64.9 38.1 114.5



Abundance Ion 116.85 (116.55 to 117.55): VD059874.D (-1381) (-)

Ion 200.75 (200.45 to 201.45): VD059874.D (-1381) (-)

13.85

150000

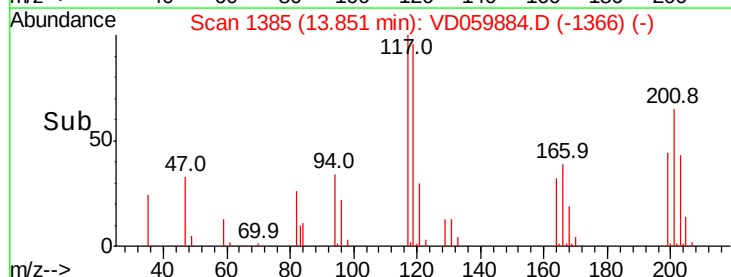
100000

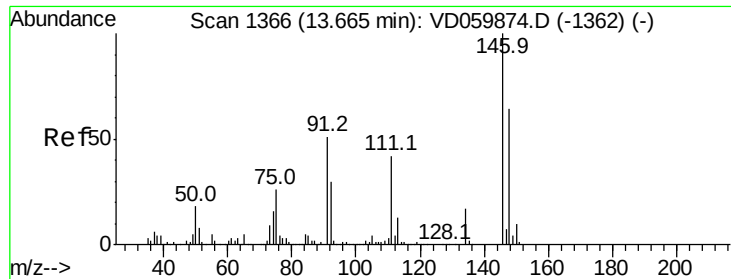
50000

0

13.80 13.90

Time-->

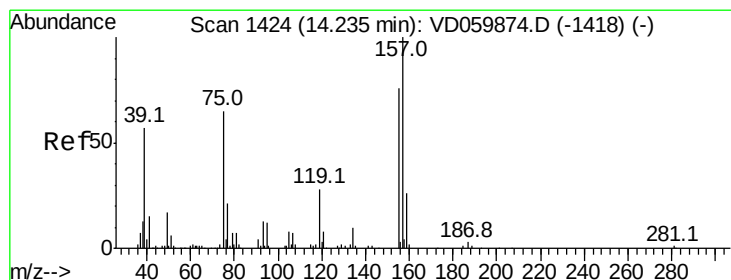
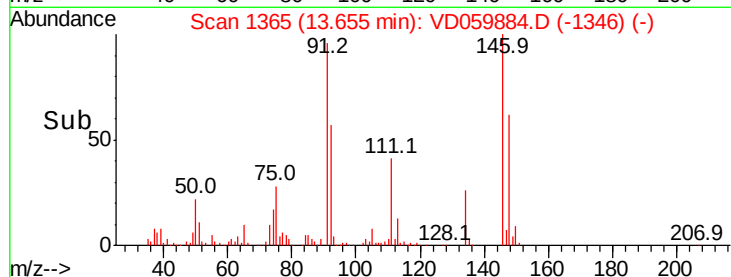
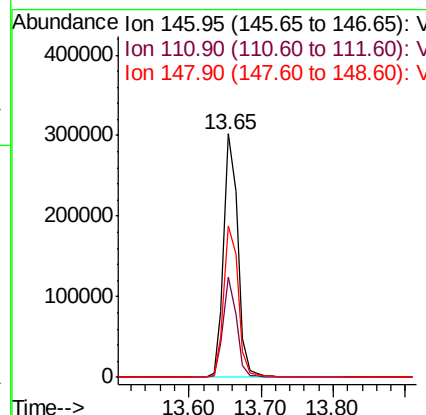
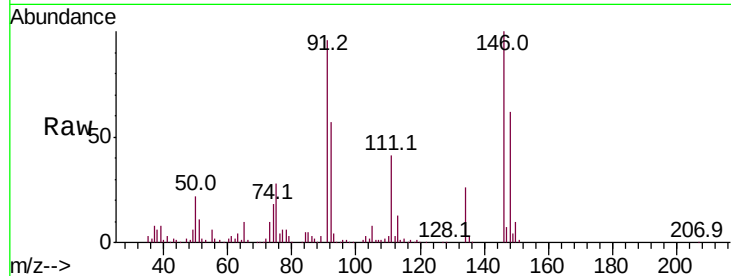




#91
 1,2-Dichlorobenzene
 Concen: 21.180 ug/l
 RT: 13.65 min Scan# 1365
 Delta R.T. -0.01 min
 Lab File: VD059884.D
 Acq: 23 Aug 2018 13:17

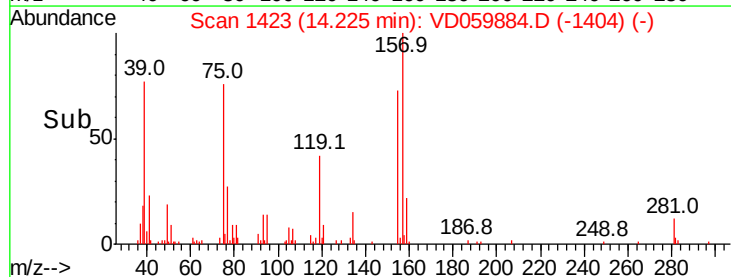
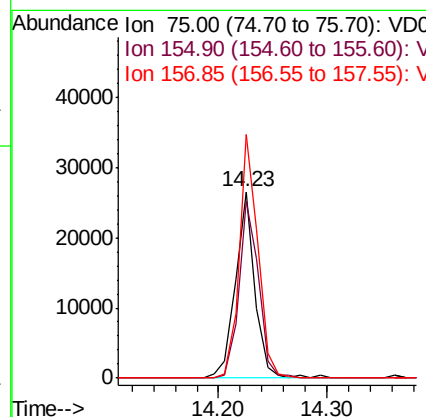
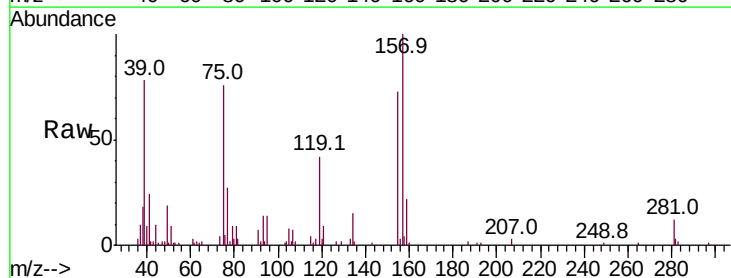
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBSD01

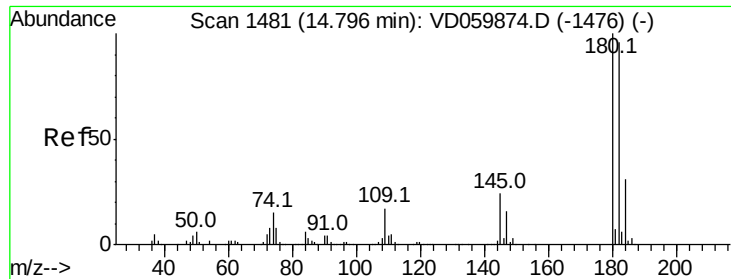
Tot Ion:146 Resp: 409931
 Ion Ratio Lower Upper
 146 100
 111 41.1 21.1 63.1
 148 62.4 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.321 ug/l
 RT: 14.23 min Scan# 1423
 Delta R.T. -0.01 min
 Lab File: VD059884.D
 Acq: 23 Aug 2018 13:17

Tgt Ion: 75 Resp: 33232
 Ion Ratio Lower Upper
 75 100
 155 95.3 58.2 174.6
 157 130.7 76.8 230.4

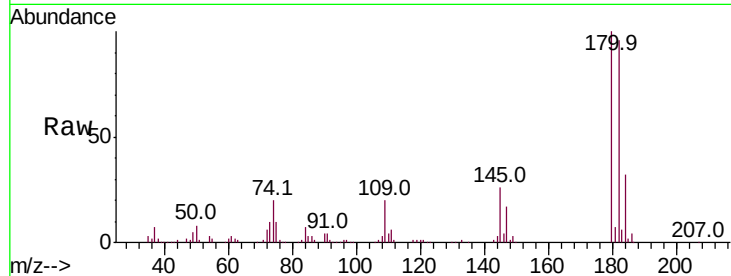




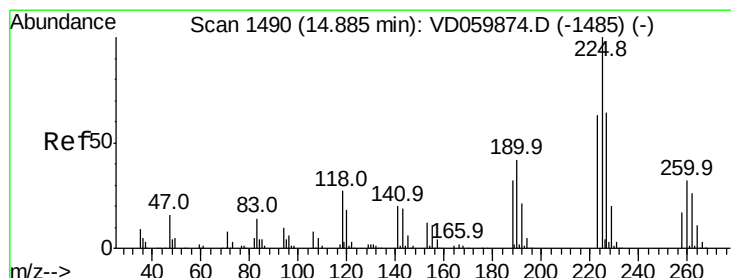
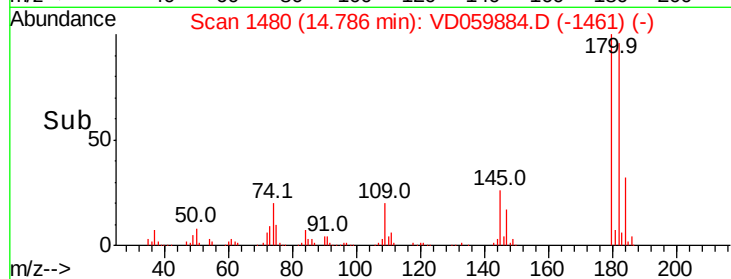
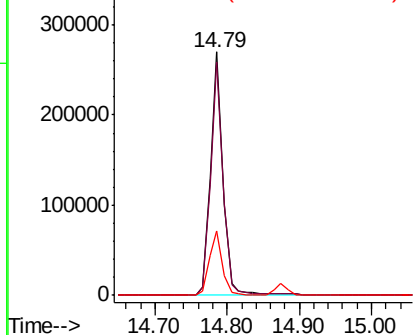
#93
 1,2,4-Trichlorobenzene
 Concen: 19.548 ug/l
 RT: 14.79 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: VD059884.D
 Acq: 23 Aug 2018 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.9	143.7
145	26.5	12.2	36.4

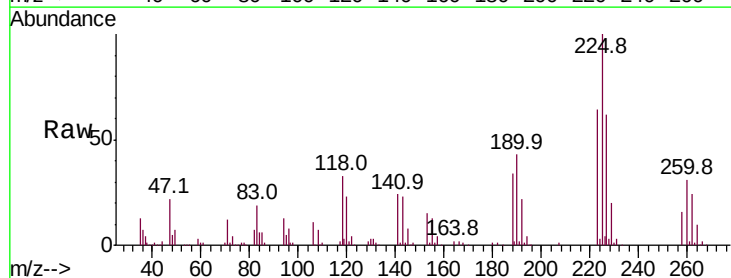


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

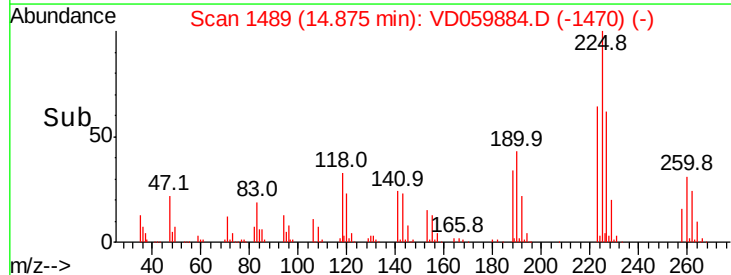
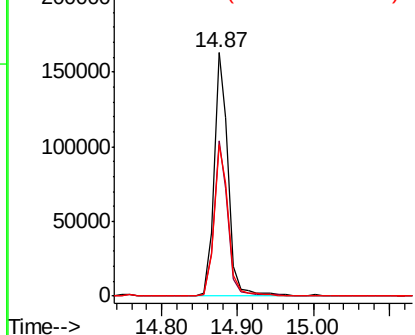


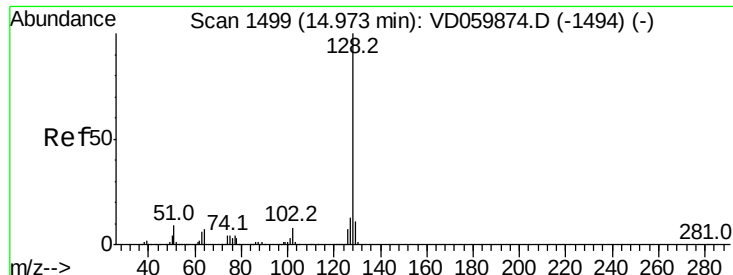
#94
 Hexachlorobutadiene
 Concen: 19.926 ug/l
 RT: 14.87 min Scan# 1489
 Delta R.T. -0.01 min
 Lab File: VD059884.D
 Acq: 23 Aug 2018 13:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	31.6	94.8
227	62.0	32.0	96.0



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

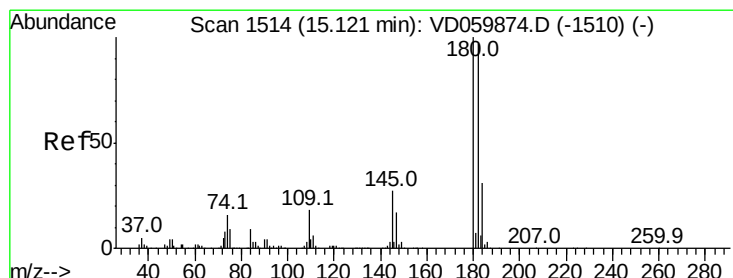
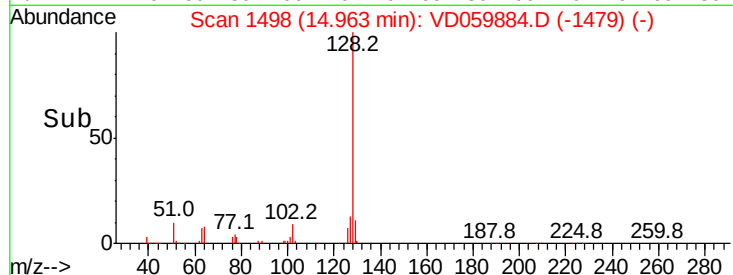
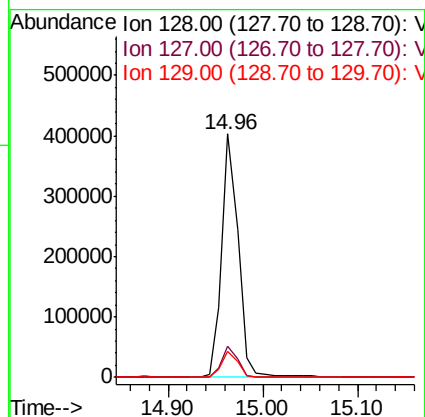
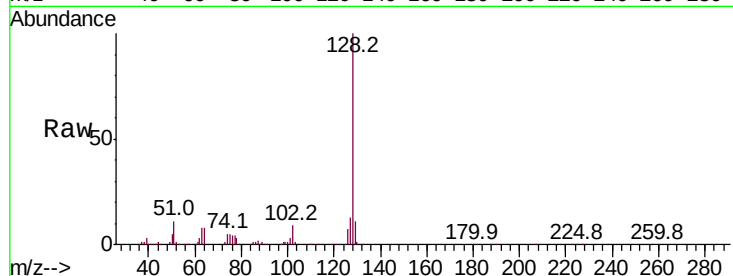




#95
Naphthalene
Concen: 19.342 ug/l
RT: 14.96 min Scan# 1498
Delta R.T. -0.01 min
Lab File: VD059884.D
Acq: 23 Aug 2018 13:17

Instrument :
MSVOA_D
ClientSampleId :
VD0823SBSD01

Tot Ion:128 Resp: 489827
Ion Ratio Lower Upper
128 100
127 12.8 10.0 15.0
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 19.359 ug/l
RT: 15.11 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VD059884.D
Acq: 23 Aug 2018 13:17

Tgt Ion:180 Resp: 274371
Ion Ratio Lower Upper
180 100
182 94.0 48.6 145.8
145 28.0 13.6 40.8

