

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090418\
 Data File : VD059946.D
 Acq On : 4 Sep 2018 16:00
 Operator : JC/SY
 Sample : VD0904SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBSD01

Quant Time: Sep 05 03:52:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1174585	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.41	114	1602093	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.27	117	1342870	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	741697	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.75	65	484941	48.98	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	97.96%	
35) Dibromofluoromethane	6.29	113	618140	49.21	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	98.42%	
50) Toluene-d8	9.43	98	1678593	48.15	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	96.30%	
62) 4-Bromofluorobenzene	12.42	95	666241	47.06	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	94.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.56	85	169390	16.13	ug/l	97
3) Chloromethane	1.73	50	149810	15.75	ug/l	99
4) Vinyl Chloride	1.82	62	122339	16.40	ug/l	96
5) Bromomethane	2.11	94	11743	9.12	ug/l	91
6) Chloroethane	2.21	64	29470	10.97	ug/l	99
7) Trichlorofluoromethane	2.46	101	147384	17.08	ug/l	100
8) Diethyl Ether	2.80	74	33470	17.29	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.04	101	108107	20.46	ug/l	97
10) Methyl Iodide	3.20	142	73709	15.65	ug/l	98
11) Tert butyl alcohol	3.95	59	78936	104.50	ug/l	97
12) 1,1-Dichloroethene	3.03	96	80127	19.48	ug/l	93
13) Acrolein	2.94	56	20403	62.27	ug/l	86
14) Allyl chloride	3.48	41	177593	19.08	ug/l	99
15) Acrylonitrile	4.05	53	299653	105.93	ug/l	96
16) Acetone	3.13	43	179828	99.70	ug/l	99
17) Carbon Disulfide	3.27	76	190905	14.95	ug/l	98
18) Methyl Acetate	3.51	43	79955	21.24	ug/l	97
19) Methyl tert-butyl Ether	4.09	73	460271	19.78	ug/l	98
20) Methylene Chloride	3.68	84	367083	28.92	ug/l	96
21) trans-1,2-Dichloroethene	4.06	96	205699	18.15	ug/l	99
22) Diisopropyl ether	4.81	45	930276	19.60	ug/l	99
23) Vinyl Acetate	4.76	43	2776800	104.66	ug/l	99
24) 1,1-Dichloroethane	4.71	63	400766	19.55	ug/l	99
25) 2-Butanone	5.59	43	487337	91.23	ug/l	97
26) 2,2-Dichloropropane	5.55	77	325775	19.01	ug/l	97
27) cis-1,2-Dichloroethene	5.55	96	248085	19.99	ug/l	96
28) Bromochloromethane	5.89	49	207533	21.12	ug/l	98
29) Tetrahydrofuran	5.93	42	275267	108.24	ug/l	100
30) Chloroform	6.07	83	422456	20.27	ug/l	97
31) Cyclohexane	6.33	56	315439	16.73	ug/l	97
32) 1,1,1-Trichloroethane	6.26	97	332818	18.82	ug/l	99
36) 1,1-Dichloropropene	6.49	75	273943	18.86	ug/l	96
37) Ethyl Acetate	5.67	43	245853	21.75	ug/l	97
38) Carbon Tetrachloride	6.47	117	281166	19.18	ug/l	100

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 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.01	83	289872	18.47	ug/l	96
40) Benzene	6.76	78	758513	20.09	ug/l	99
41) Methacrylonitrile	5.93	41	269844	47.40	ug/l #	78
42) 1,2-Dichloroethane	6.86	62	247131	20.39	ug/l	100
43) Isopropyl Acetate	8.33	43	300079	20.41	ug/l #	99
44) Trichloroethene	7.72	130	220557	19.84	ug/l	99
45) 1,2-Dichloropropane	8.08	63	215436	20.41	ug/l	98
46) Dibromomethane	8.19	93	137804	20.30	ug/l	96
47) Bromodichloromethane	8.46	83	305413	19.88	ug/l	97
48) Methyl methacrylate	8.22	41	173133	20.20	ug/l	96
49) 1,4-Dioxane	8.21	88	33905	443.10	ug/l #	91
51) 4-Methyl-2-Pentanone	9.32	43	1062673	96.95	ug/l	98
52) Toluene	9.53	92	495453	20.46	ug/l	97
53) t-1,3-Dichloropropene	9.90	75	283635	19.96	ug/l	97
54) cis-1,3-Dichloropropene	9.08	75	331739	20.13	ug/l	97
55) 1,1,2-Trichloroethane	10.17	97	181739	20.53	ug/l	98
56) Ethyl methacrylate	10.01	69	214457	20.99	ug/l	97
57) 1,3-Dichloropropane	10.36	76	270566	21.12	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.90	63	589308	120.26	ug/l	99
59) 2-Hexanone	10.47	43	787975	97.47	ug/l	98
60) Dibromochloromethane	10.62	129	225616	20.28	ug/l	94
61) 1,2-Dibromoethane	10.75	107	181484	20.28	ug/l	97
64) Tetrachloroethene	10.24	164	203218	19.57	ug/l	99
65) Chlorobenzene	11.30	112	547819	20.53	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.41	131	208165	21.35	ug/l	97
67) Ethyl Benzene	11.42	91	963892	21.47	ug/l	99
68) m/p-Xylenes	11.55	106	716639	43.84	ug/l	96
69) o-Xylene	11.92	106	333077	20.83	ug/l	94
70) Styrene	11.95	104	577246	20.85	ug/l	99
71) Bromoform	12.11	173	172792	20.48	ug/l	97
73) Isopropylbenzene	12.26	105	945012	19.96	ug/l	99
74) N-amyl acetate	12.13	43	411443	19.85	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	224073	20.46	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	229519	19.91	ug/l	100
77) Bromobenzene	12.53	156	269220	20.51	ug/l	92
78) n-propylbenzene	12.63	91	1228812	20.50	ug/l	99
79) 2-Chlorotoluene	12.70	91	665032	19.61	ug/l	96
80) 1,3,5-Trimethylbenzene	12.78	105	750068	19.93	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.33	75	65765	18.34	ug/l	100
82) 4-Chlorotoluene	12.80	91	762395	19.71	ug/l	98
83) tert-Butylbenzene	13.04	119	872562	20.35	ug/l	100
84) 1,2,4-Trimethylbenzene	13.08	105	793145	20.22	ug/l	99
85) sec-Butylbenzene	13.21	105	1009817	20.03	ug/l	98
86) p-Isopropyltoluene	13.34	119	844154	20.58	ug/l	100
87) 1,3-Dichlorobenzene	13.31	146	487436	20.80	ug/l	98
88) 1,4-Dichlorobenzene	13.38	146	497184	21.26	ug/l	98
89) n-Butylbenzene	13.64	91	861716	19.34	ug/l	98
90) Hexachloroethane	13.85	117	199416	18.11	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	436717	21.92	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.22	75	33153	19.69	ug/l	98

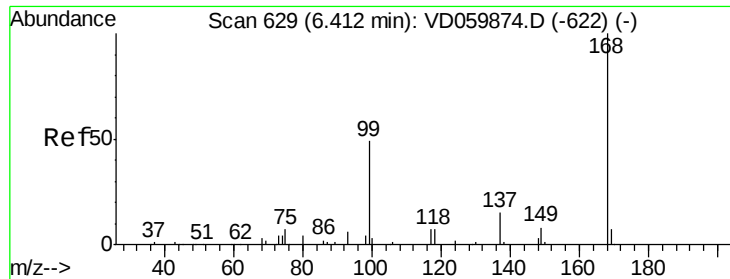
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090418\
Data File : VD059946.D
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	361674	21.20	ug/l	99
94) Hexachlorobutadiene	14.87	225	233098	20.84	ug/l	99
95) Naphthalene	14.96	128	552622	21.19	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	311203	21.33	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.38 min Scan# 625

Delta R.T. -0.03 min

Lab File: VD059946.D

Acq: 4 Sep 2018 16:00

Instrument :

MSVOA_D

ClientSampleId :

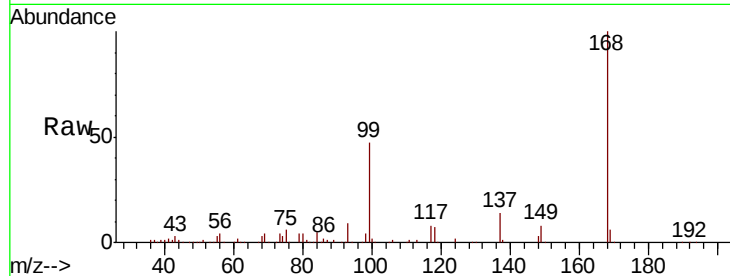
VD0904SBSD01

Tot Ion:168 Resp: 1174585

Ion Ratio Lower Upper

168 100

99 47.1 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.38

500000

400000

300000

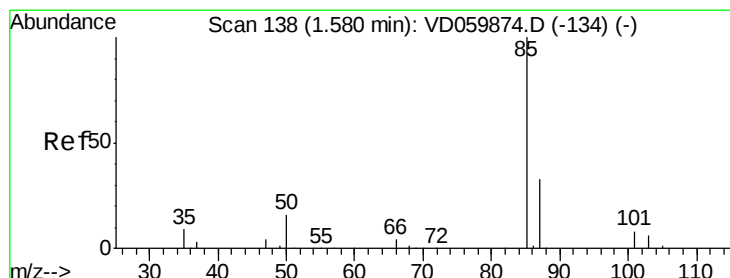
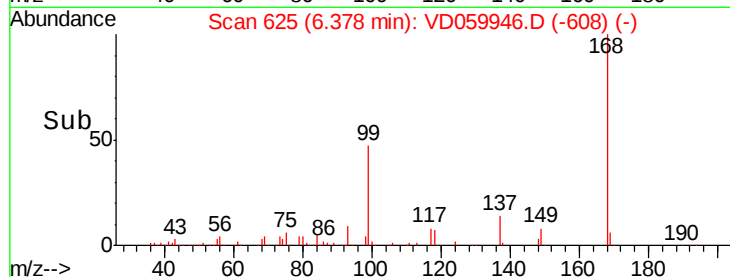
200000

100000

0

6.20 6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 16.13 ug/l

RT: 1.56 min Scan# 135

Delta R.T. -0.02 min

Lab File: VD059946.D

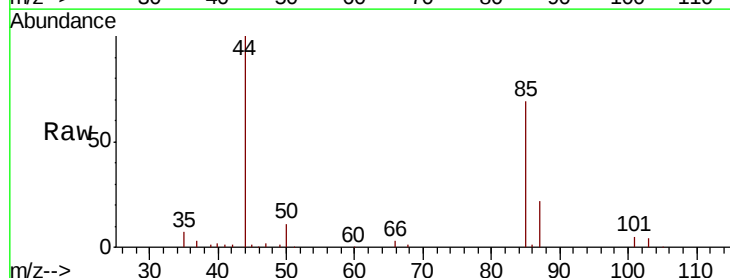
Acq: 4 Sep 2018 16:00

Tgt Ion: 85 Resp: 169390

Ion Ratio Lower Upper

85 100

87 32.0 16.8 50.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.56

60000

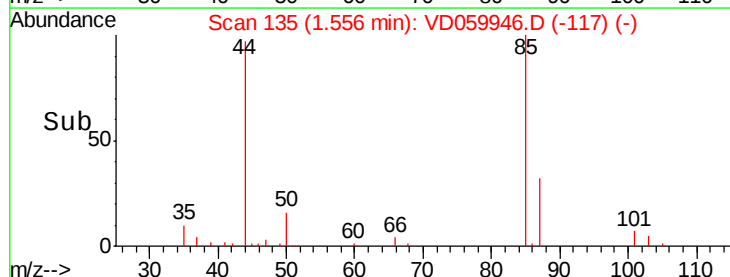
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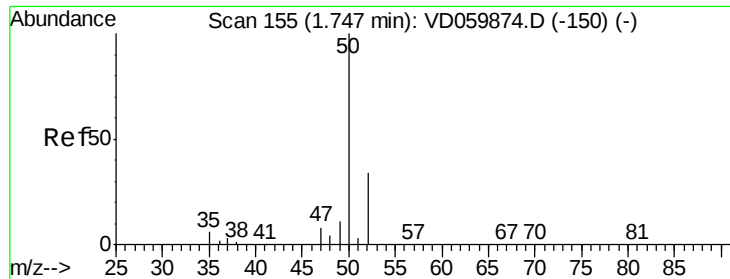
20000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 15.75 ug/l

RT: 1.73 min Scan# 153

Delta R.T. -0.01 min

Lab File: VD059946.D

Acq: 4 Sep 2018 16:00

Instrument :

MSVOA_D

ClientSampleId :

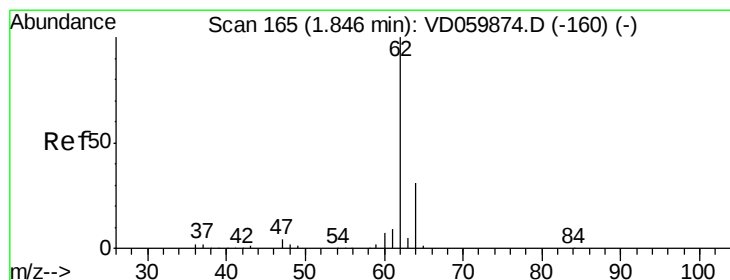
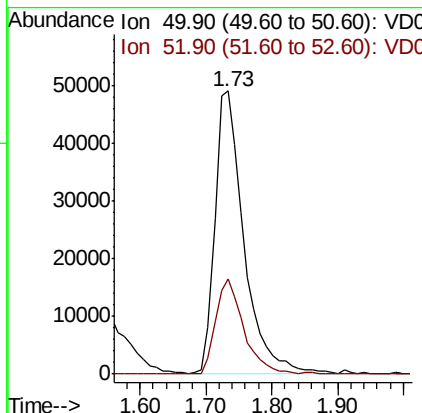
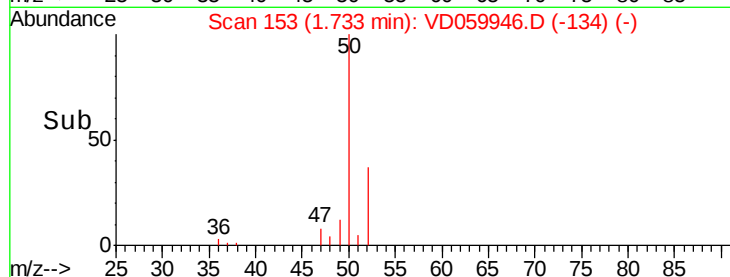
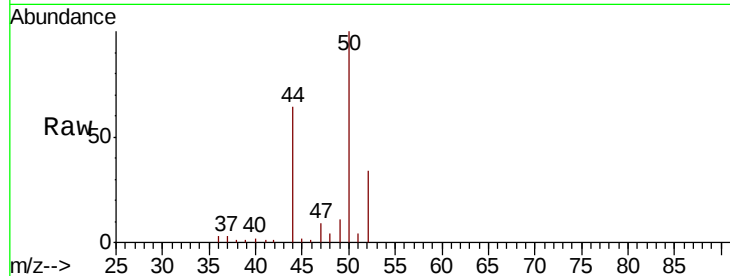
VD0904SBSD01

Tot Ion: 50 Resp: 149810

Ion Ratio Lower Upper

50 100

52 33.5 27.0 40.6



#4

Vinyl Chloride

Concen: 16.40 ug/l

RT: 1.82 min Scan# 162

Delta R.T. -0.02 min

Lab File: VD059946.D

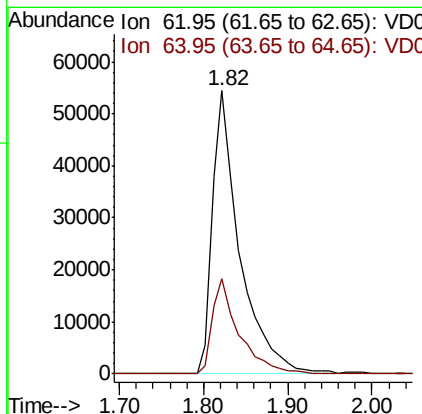
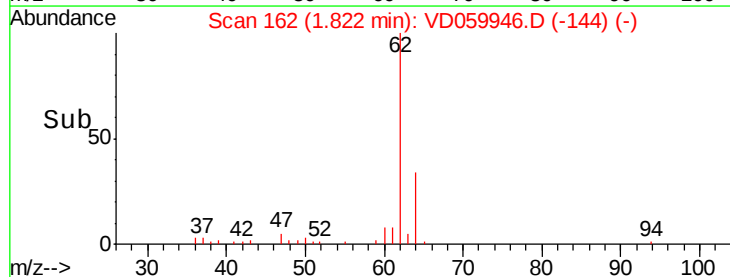
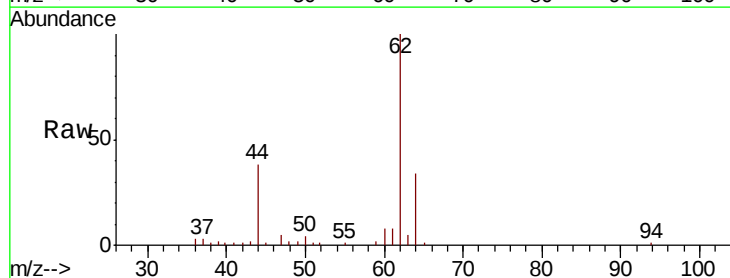
Acq: 4 Sep 2018 16:00

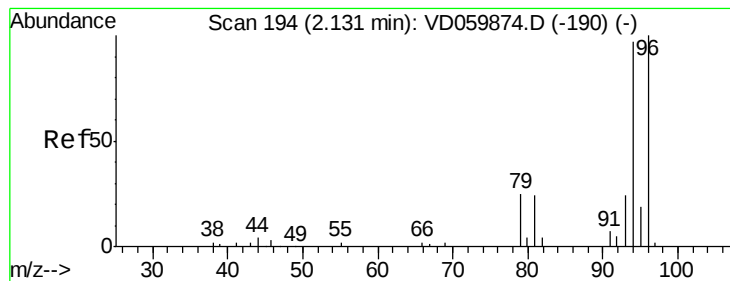
Tgt Ion: 62 Resp: 122339

Ion Ratio Lower Upper

62 100

64 33.6 25.0 37.6





#5

Bromomethane

Concen: 9.12 ug/l

RT: 2.11 min Scan# 191

Delta R.T. -0.02 min

Lab File: VD059946.D

Acq: 4 Sep 2018 16:00

Instrument :

MSVOA_D

ClientSampleId :

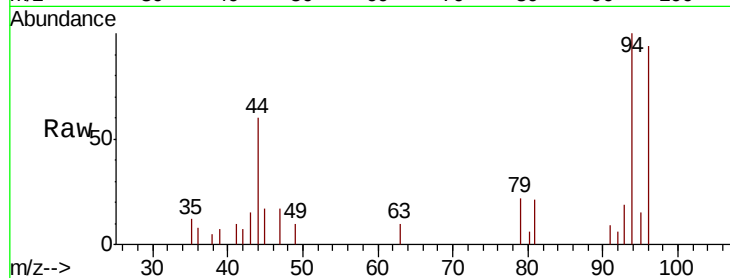
VD0904SBSD01

Tot Ion: 94 Resp: 11743

Ion Ratio Lower Upper

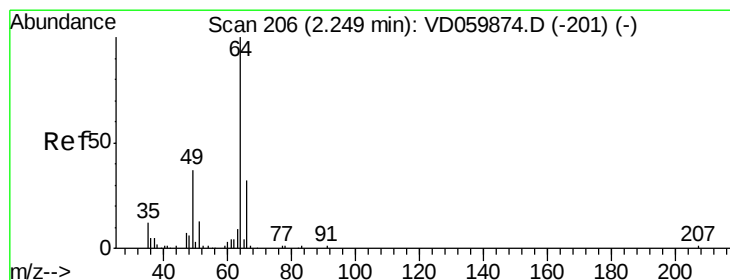
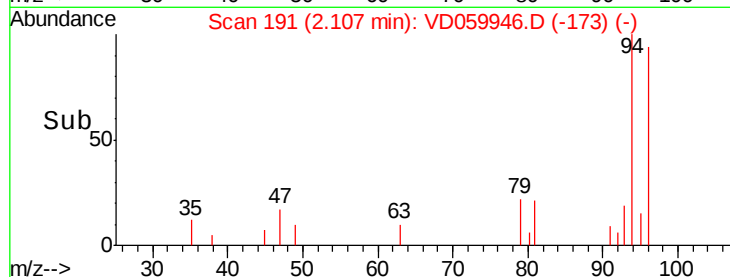
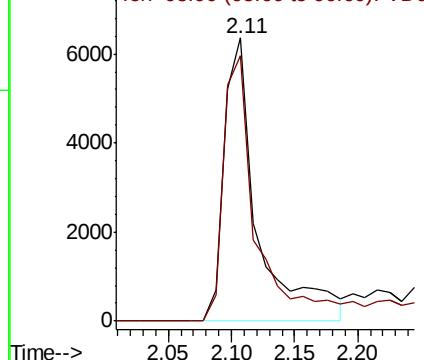
94 100

96 93.9 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: 10.97 ug/l

RT: 2.21 min Scan# 201

Delta R.T. -0.04 min

Lab File: VD059946.D

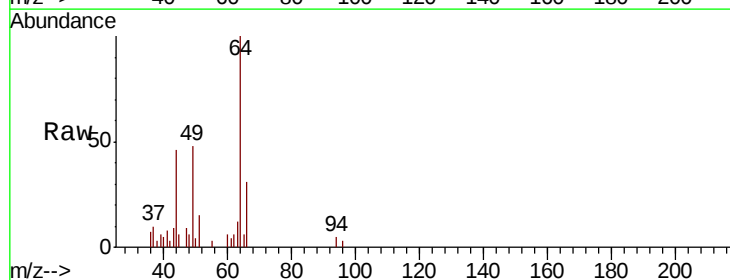
Acq: 4 Sep 2018 16:00

Tgt Ion: 64 Resp: 29470

Ion Ratio Lower Upper

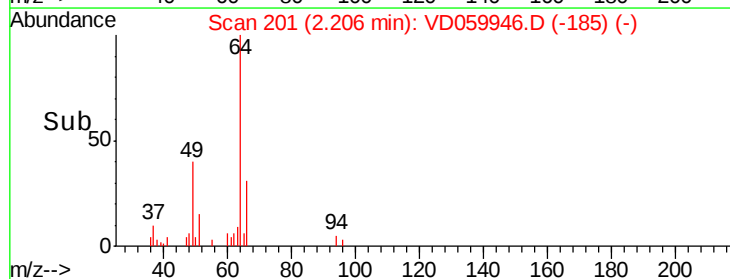
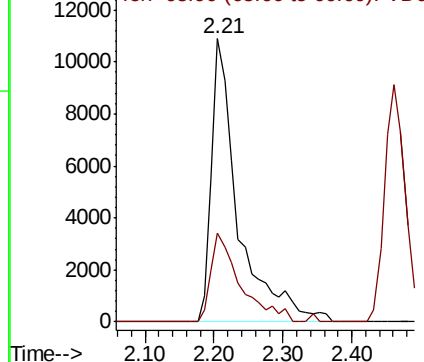
64 100

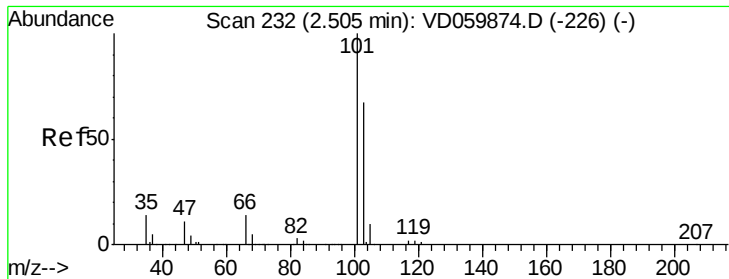
66 31.3 25.3 37.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



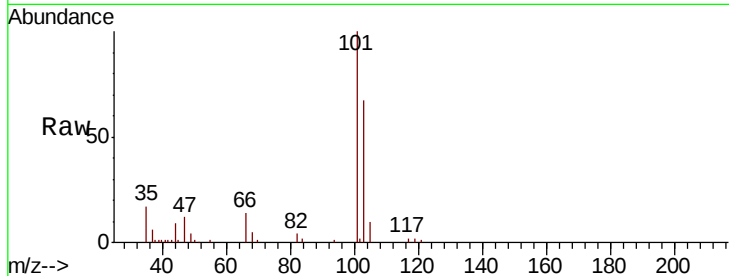


#7

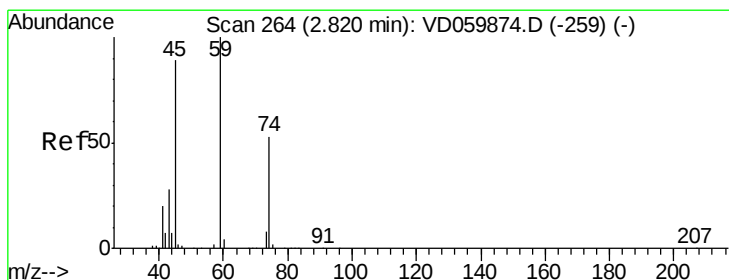
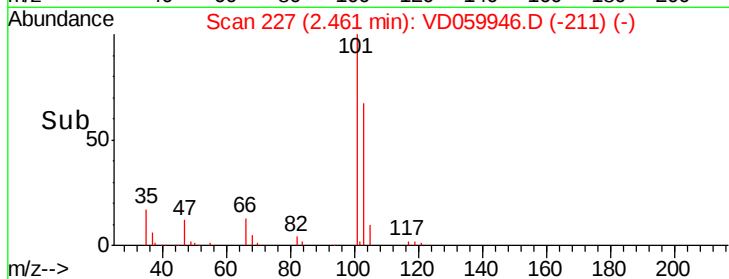
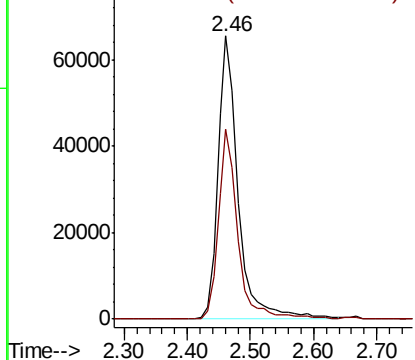
Trichlorofluoromethane
Concen: 17.08 ug/l
RT: 2.46 min Scan# 227
Delta R.T. -0.04 min
Lab File: VD059946.D
Acq: 4 Sep 2018 16:00

Instrument :
MSVOA_D
ClientSampleId :
VD0904SBSD01

Tot Ion:101 Resp: 147384
Ion Ratio Lower Upper
101 100
103 67.3 53.7 80.5



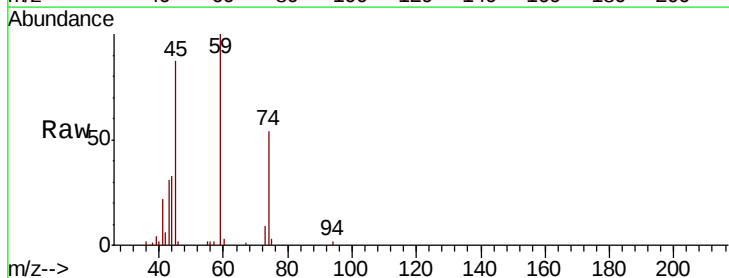
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



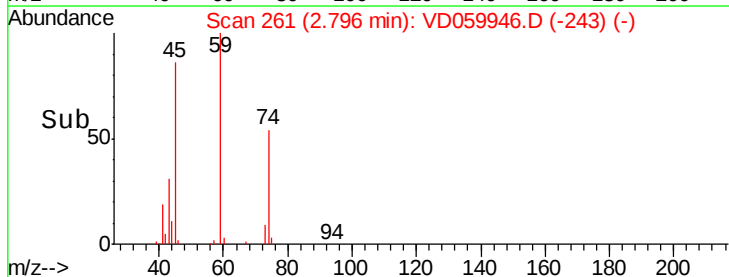
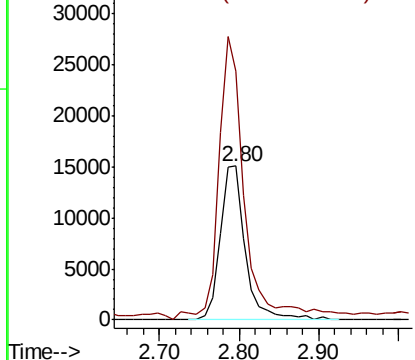
#8

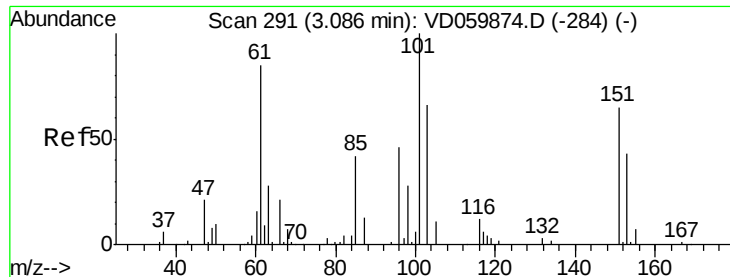
Diethyl Ether
Concen: 17.29 ug/l
RT: 2.80 min Scan# 261
Delta R.T. -0.02 min
Lab File: VD059946.D
Acq: 4 Sep 2018 16:00

Tgt Ion: 74 Resp: 33470
Ion Ratio Lower Upper
74 100
45 161.7 85.7 257.1



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.46 ug/l

RT: 3.04 min Scan# 286

Delta R.T. -0.04 min

Lab File: VD059946.D

Acq: 4 Sep 2018 16:00

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBSD01

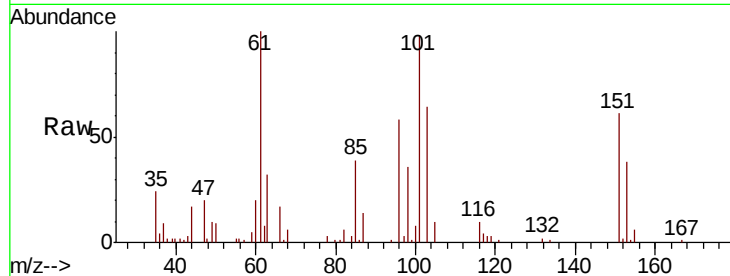
Tot Ion:101 Resp: 108107

Ion Ratio Lower Upper

101 100

85 39.5 33.6 50.4

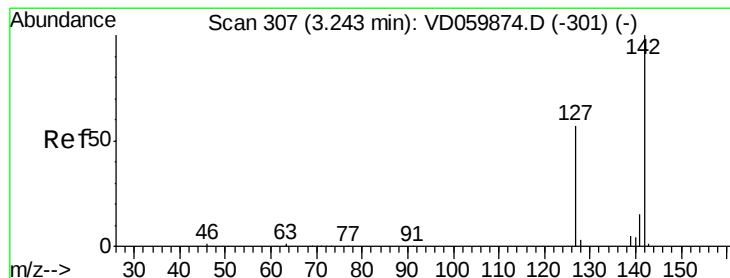
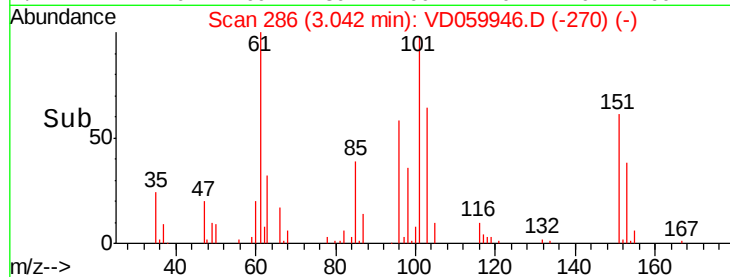
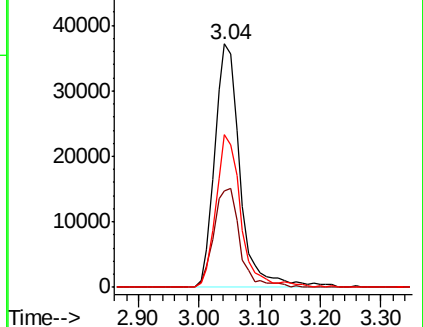
151 62.9 52.0 78.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 15.65 ug/l

RT: 3.20 min Scan# 302

Delta R.T. -0.04 min

Lab File: VD059946.D

Acq: 4 Sep 2018 16:00

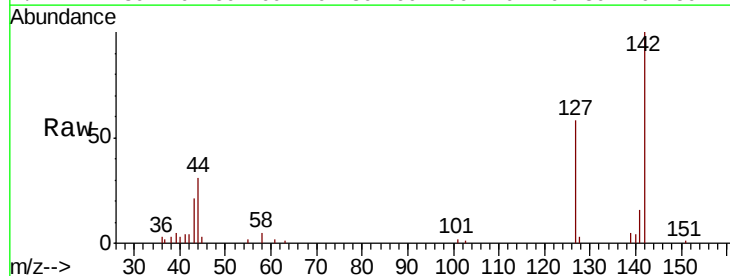
Tgt Ion:142 Resp: 73709

Ion Ratio Lower Upper

142 100

127 58.0 45.8 68.6

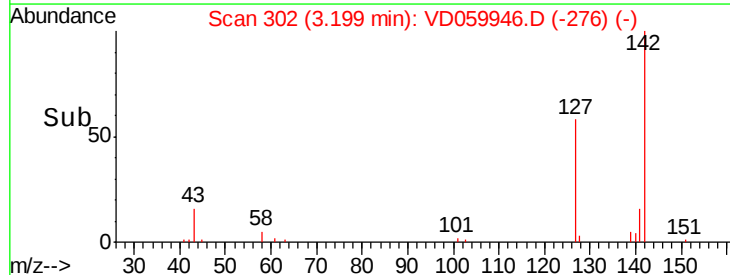
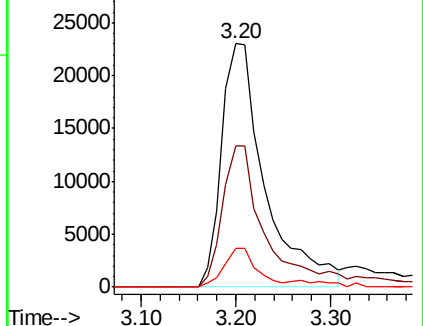
141 16.1 11.6 17.4

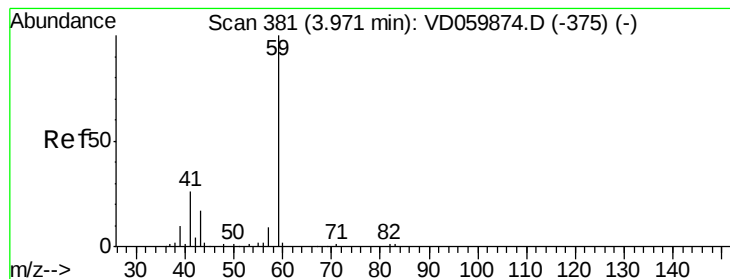


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



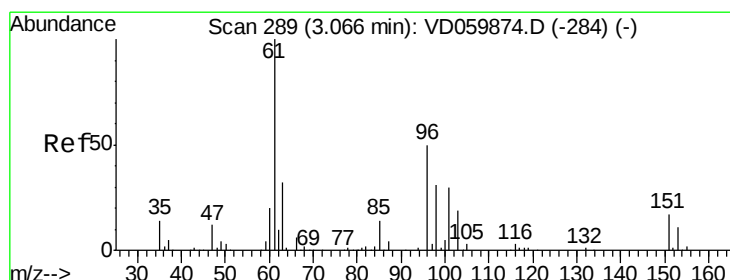
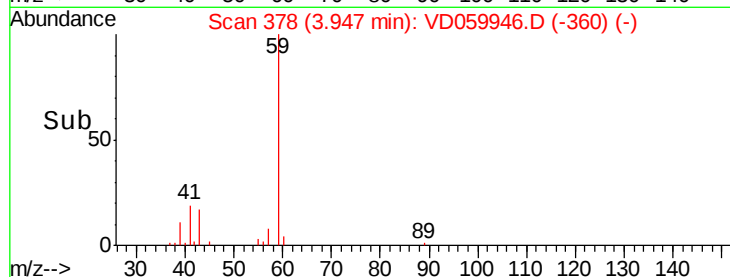
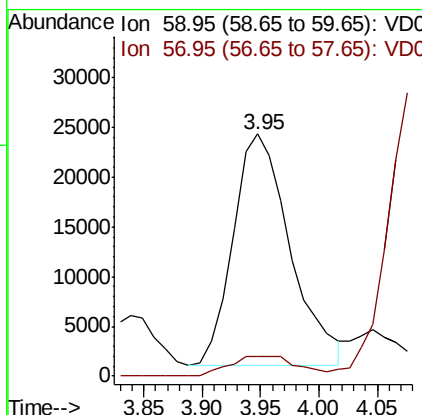
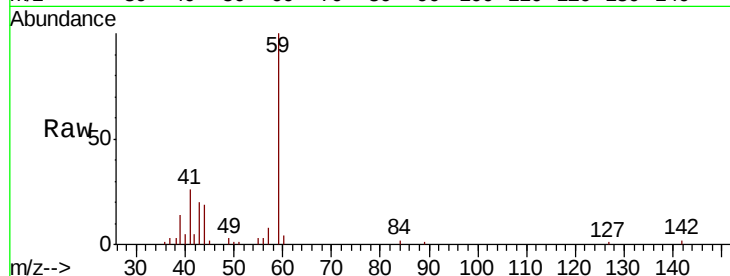


#11

Tert butyl alcohol
Concen: 104.50 ug/l
RT: 3.95 min Scan# 378
Delta R.T. -0.02 min
Lab File: VD059946.D
Acq: 4 Sep 2018 16:00

Instrument :
MSVOA_D
ClientSampleId :
VD0904SBSD01

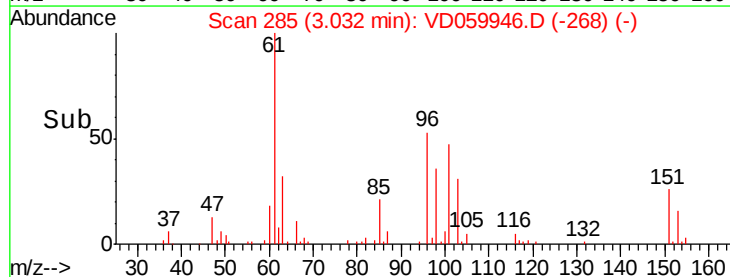
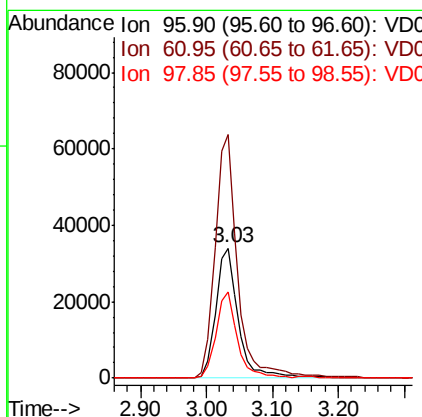
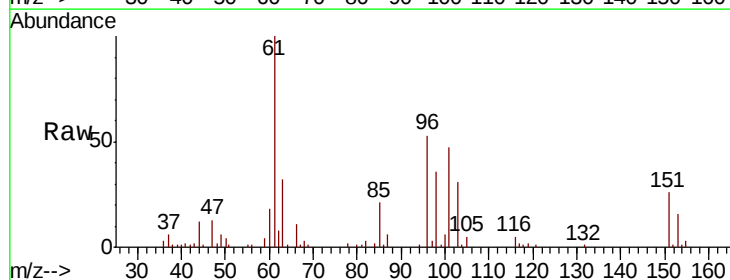
Tot Ion: 59 Resp: 78936
Ion Ratio Lower Upper
59 100
57 8.2 7.4 11.0

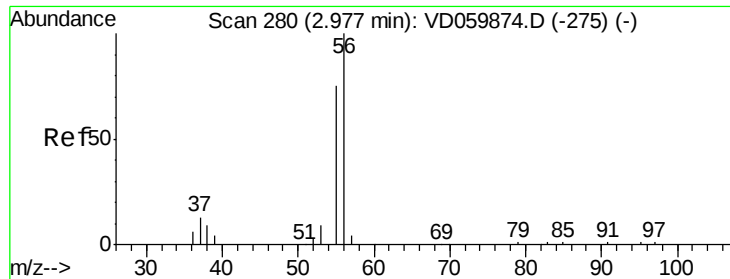


#12

1,1-Dichloroethene
Concen: 19.48 ug/l
RT: 3.03 min Scan# 285
Delta R.T. -0.03 min
Lab File: VD059946.D
Acq: 4 Sep 2018 16:00

Tgt Ion: 96 Resp: 80127
Ion Ratio Lower Upper
96 100
61 187.7 158.8 238.2
98 66.8 48.7 73.1





#13

Acrolein

Concen: 62.27 ug/l

RT: 2.94 min Scan# 276

Delta R.T. -0.03 min

Lab File: VD059946.D

Acq: 4 Sep 2018 16:00

Instrument :

MSVOA_D

ClientSampleId :

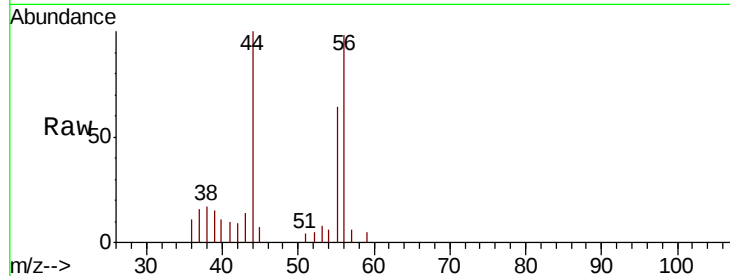
VD0904SBS01

Tot Ion: 56 Resp: 20403

Ion Ratio Lower Upper

56 100

55 65.6 61.9 92.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

8000

6000

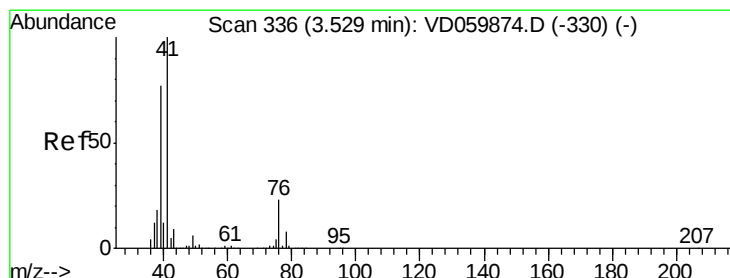
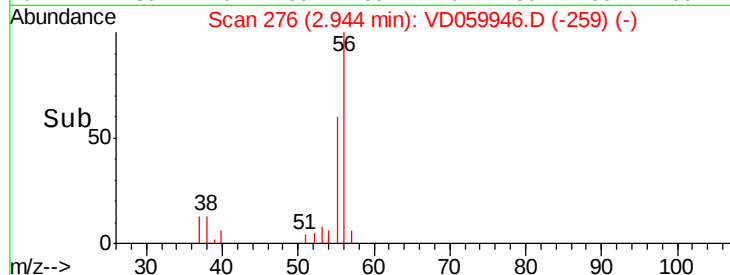
4000

2000

0

2.80 2.90 3.00 3.10

Time-->



#14

Allyl chloride

Concen: 19.08 ug/l

RT: 3.48 min Scan# 331

Delta R.T. -0.04 min

Lab File: VD059946.D

Acq: 4 Sep 2018 16:00

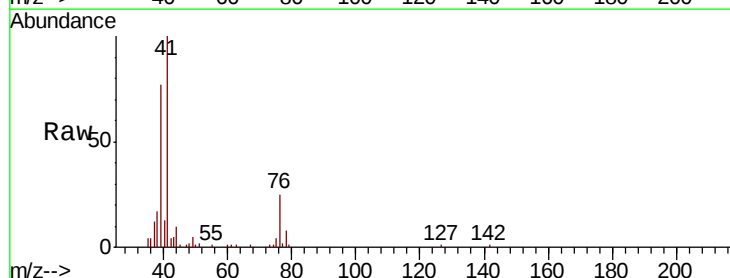
Tgt Ion: 41 Resp: 177593

Ion Ratio Lower Upper

41 100

39 76.9 61.8 92.6

76 24.8 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

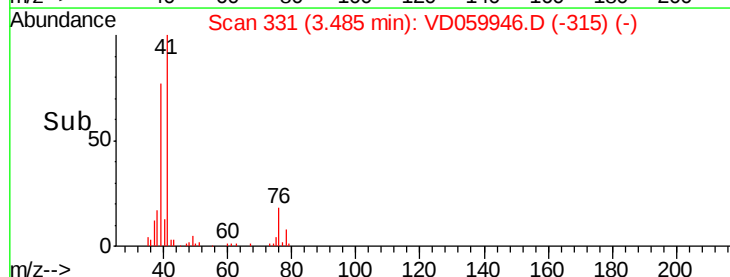
40000

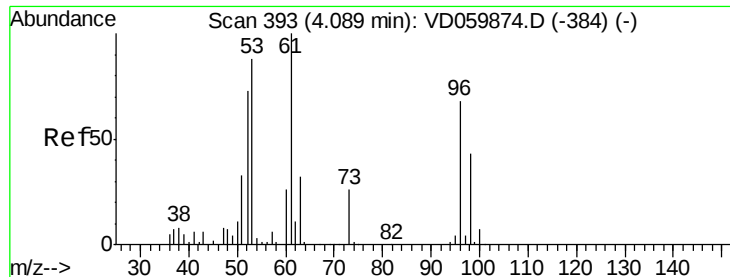
20000

0

3.40 3.50 3.60

Time-->





#15

Acrylonitrile

Concen: 105.93 ug/l

RT: 4.05 min Scan# 388

Delta R.T. -0.04 min

Lab File: VD059946.D

Acq: 4 Sep 2018 16:00

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBS01

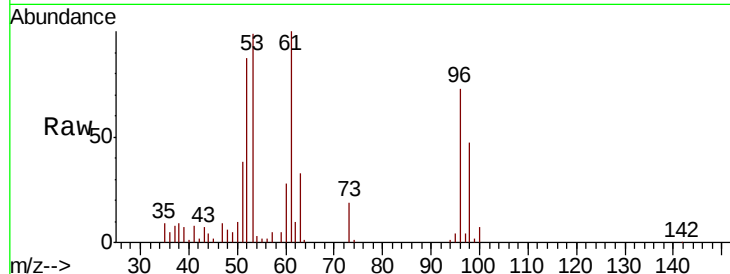
Tot Ion: 53 Resp: 299653

Ion Ratio Lower Upper

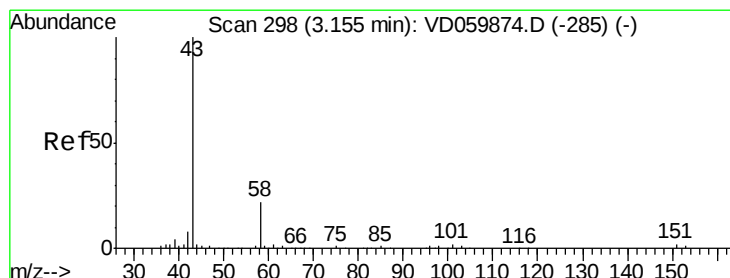
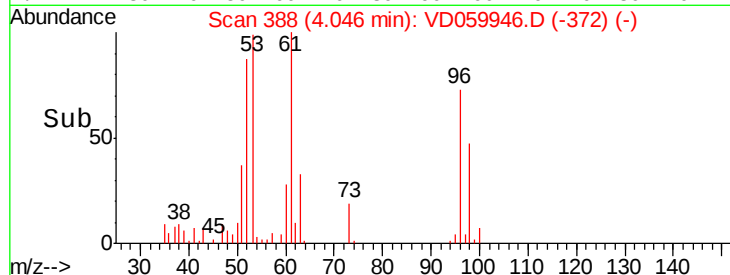
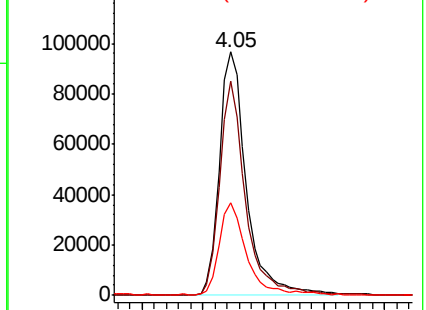
53 100

52 88.1 66.9 100.3

51 38.2 30.3 45.5



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 99.70 ug/l

RT: 3.13 min Scan# 295

Delta R.T. -0.02 min

Lab File: VD059946.D

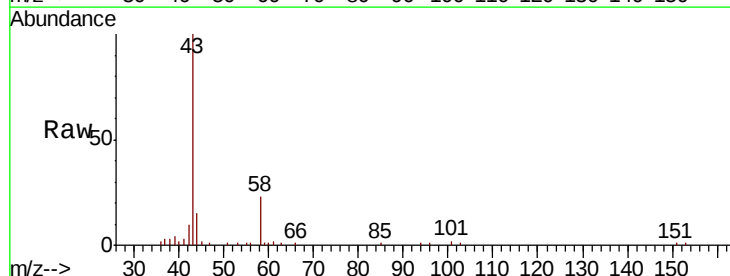
Acq: 4 Sep 2018 16:00

Tgt Ion: 43 Resp: 179828

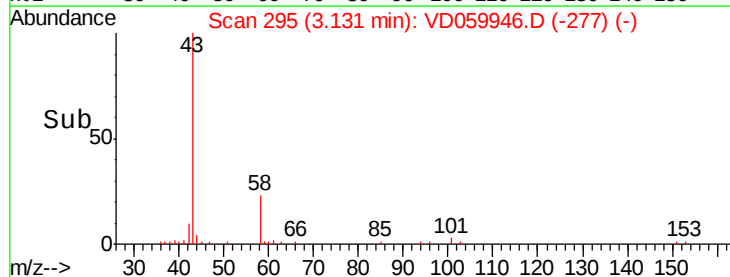
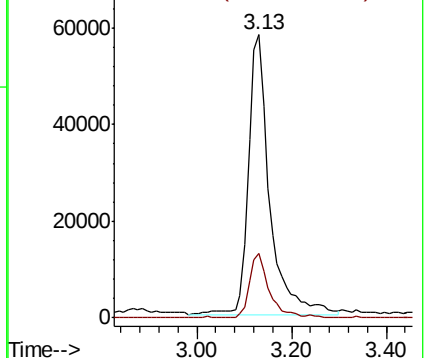
Ion Ratio Lower Upper

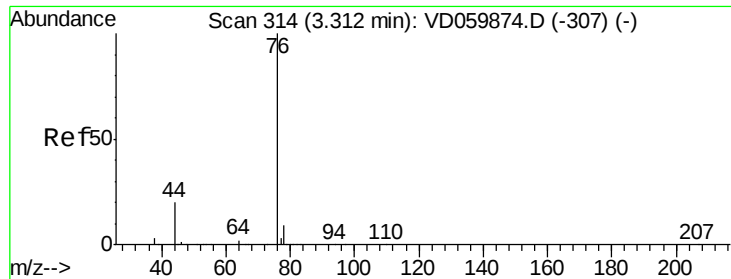
43 100

58 22.6 17.6 26.4



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

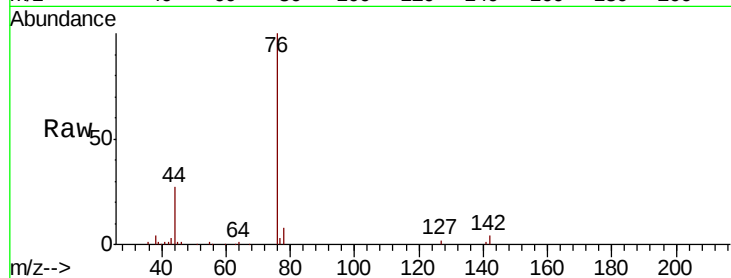




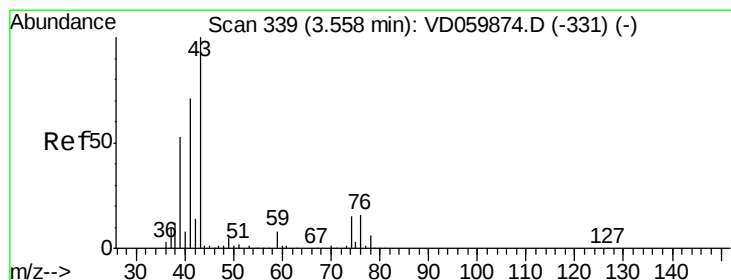
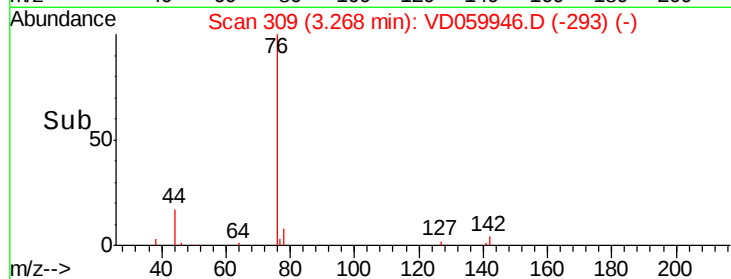
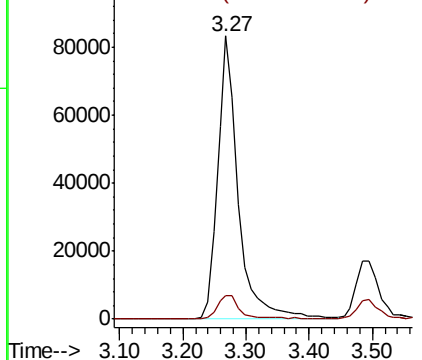
#17
Carbon Disulfide
Concen: 14.95 ug/l
RT: 3.27 min Scan# 309
Delta R.T. -0.04 min
Lab File: VD059946.D
Acq: 4 Sep 2018 16:00

Instrument :
MSVOA_D
ClientSampleId :
VD0904SBSD01

Tot Ion: 76 Resp: 190905
Ion Ratio Lower Upper
76 100
78 8.5 7.4 11.2

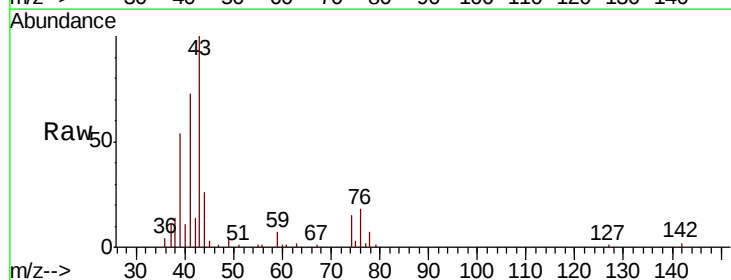


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

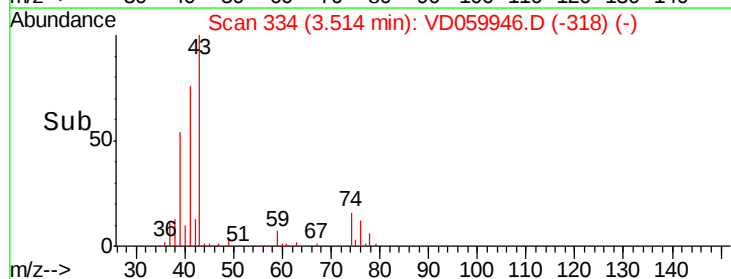
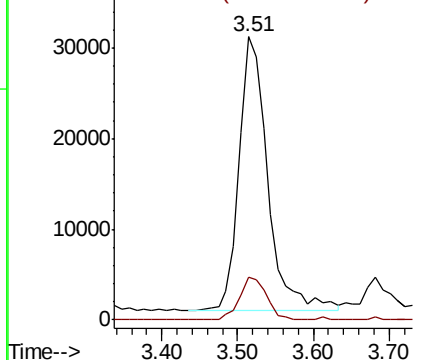


#18
Methyl Acetate
Concen: 21.24 ug/l
RT: 3.51 min Scan# 334
Delta R.T. -0.04 min
Lab File: VD059946.D
Acq: 4 Sep 2018 16:00

Tgt Ion: 43 Resp: 79955
Ion Ratio Lower Upper
43 100
74 15.0 11.2 16.8



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC



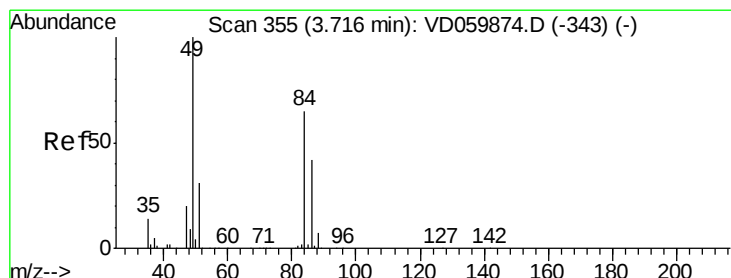
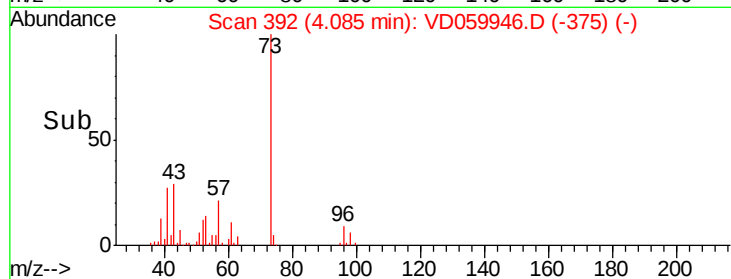
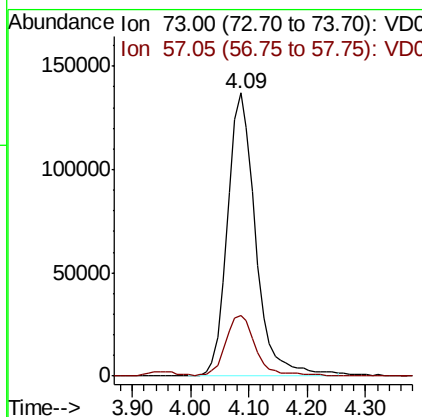
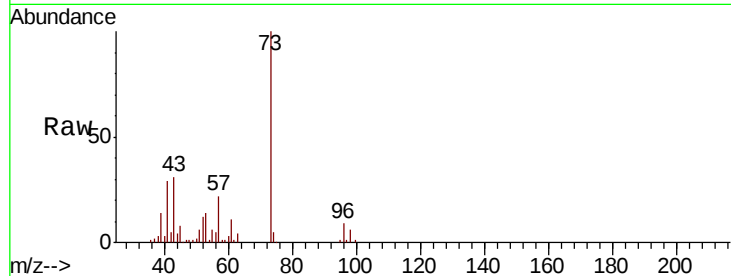


#19

Methyl tert-butyl Ether
 Concen: 19.78 ug/l
 RT: 4.09 min Scan# 392
 Delta R.T. -0.03 min
 Lab File: VD059946.D
 Acq: 4 Sep 2018 16:00

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0904SBS01

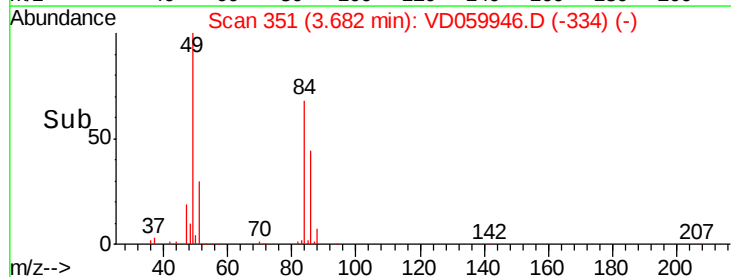
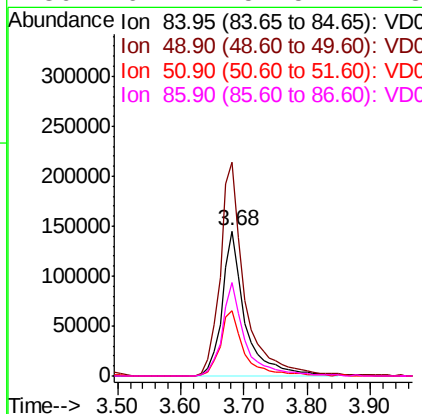
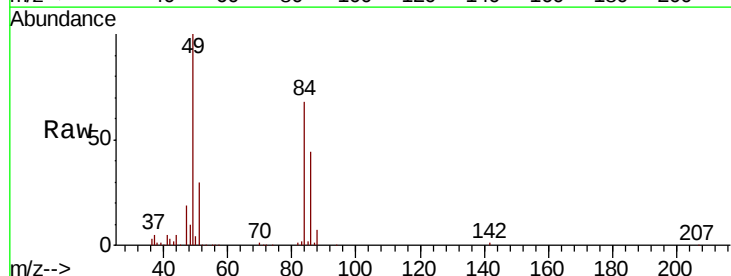
Tot Ion: 73 Resp: 460271
 Ion Ratio Lower Upper
 73 100
 57 21.7 17.9 26.9



#20

Methylene Chloride
 Concen: 28.92 ug/l
 RT: 3.68 min Scan# 351
 Delta R.T. -0.03 min
 Lab File: VD059946.D
 Acq: 4 Sep 2018 16:00

Tgt Ion: 84 Resp: 367083
 Ion Ratio Lower Upper
 84 100
 49 147.0 122.6 183.8
 51 44.7 38.4 57.6
 86 64.7 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 18.15 ug/l

RT: 4.06 min Scan# 389

Delta R.T. -0.04 min

Lab File: VD059946.D

Acq: 4 Sep 2018 16:00

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBSD01

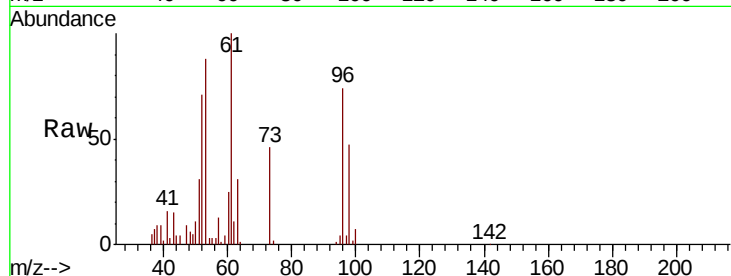
Tot Ion: 96 Resp: 205699

Ion Ratio Lower Upper

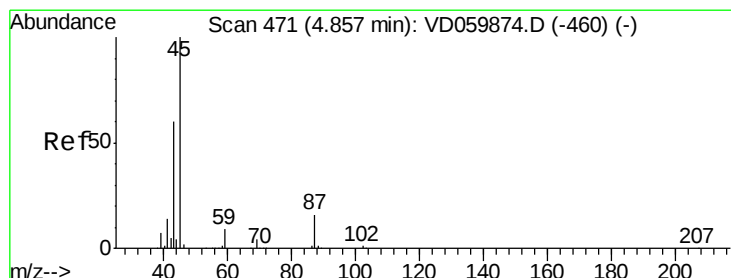
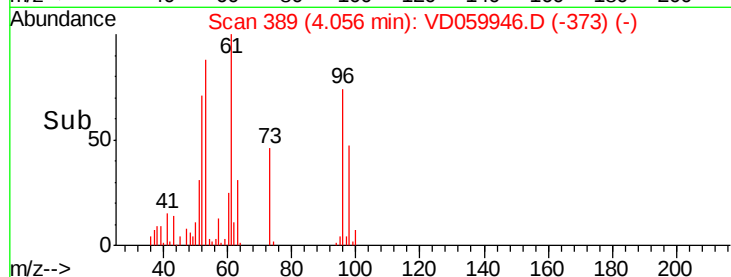
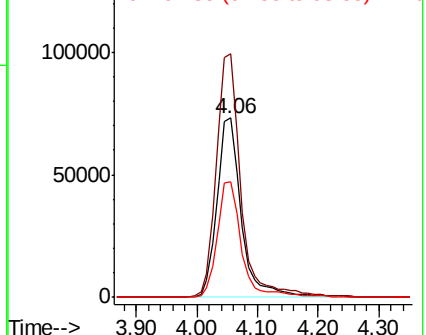
96 100

61 135.8 110.2 165.4

98 64.2 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: 19.60 ug/l

RT: 4.81 min Scan# 466

Delta R.T. -0.04 min

Lab File: VD059946.D

Acq: 4 Sep 2018 16:00

Tgt Ion: 45 Resp: 930276

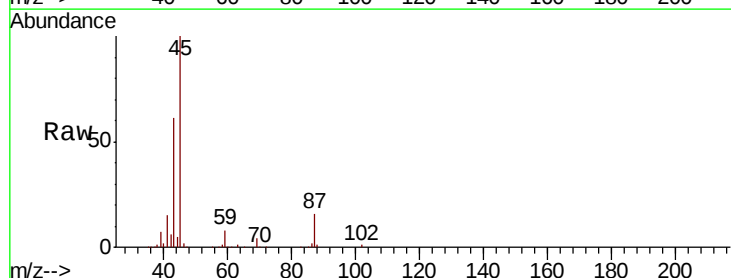
Ion Ratio Lower Upper

45 100

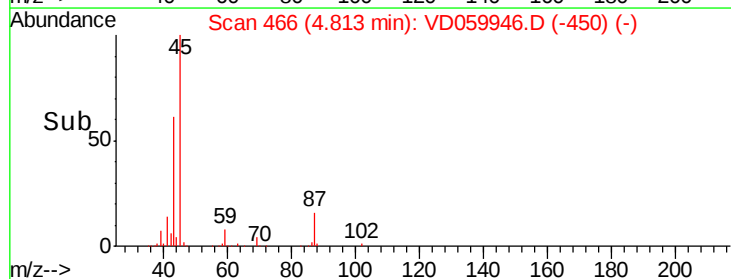
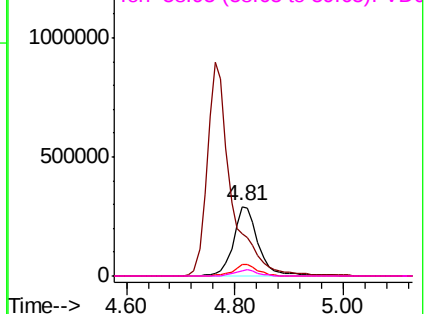
43 61.1 48.6 72.8

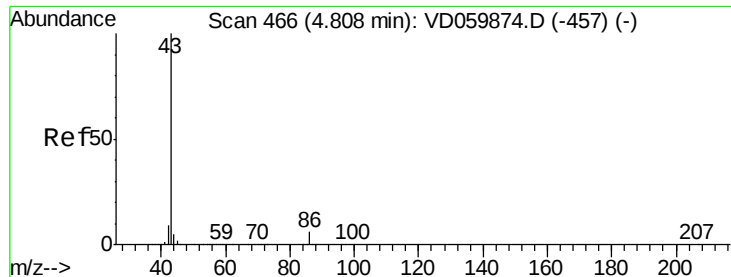
87 15.9 13.3 19.9

59 8.2 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: 104.66 ug/l

RT: 4.76 min Scan# 461

Delta R.T. -0.04 min

Lab File: VD059946.D

Acq: 4 Sep 2018 16:00

Instrument :

MSVOA_D

ClientSampleId :

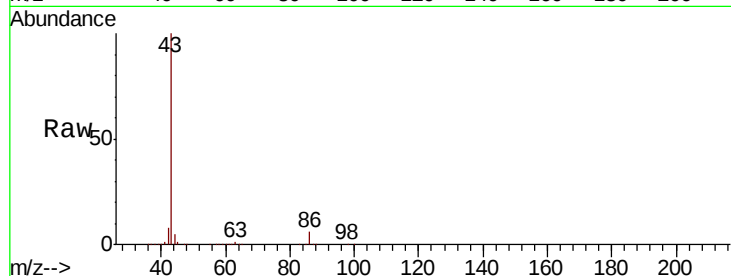
VD0904SBSD01

Tot Ion: 43 Resp: 2776800

Ion Ratio Lower Upper

43 100

86 6.0 5.0 7.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

4.76

800000

600000

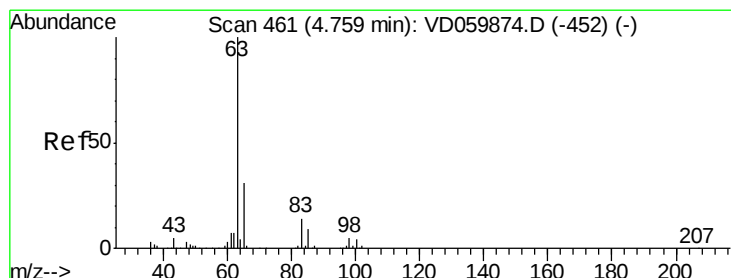
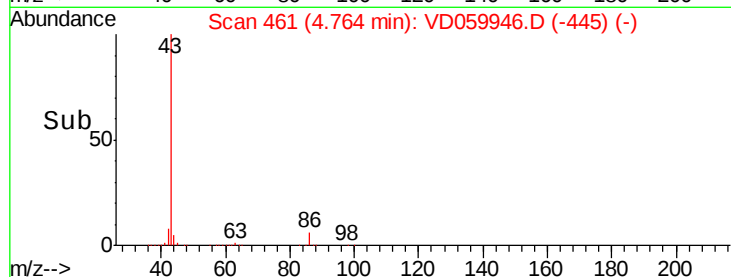
400000

200000

0

Time-->

4.60 4.80 5.00



#24

1,1-Dichloroethane

Concen: 19.55 ug/l

RT: 4.71 min Scan# 456

Delta R.T. -0.04 min

Lab File: VD059946.D

Acq: 4 Sep 2018 16:00

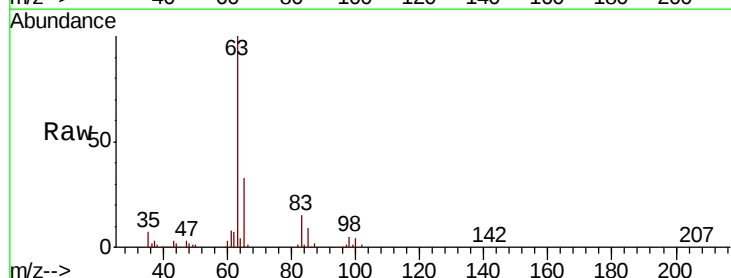
Tgt Ion: 63 Resp: 400766

Ion Ratio Lower Upper

63 100

98 5.0 2.7 8.1

100 3.7 1.8 5.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

150000

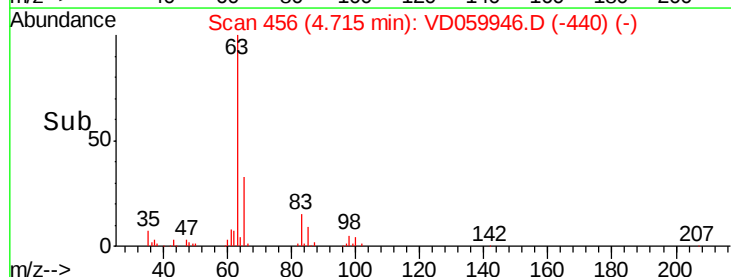
100000

50000

0

Time-->

4.60 4.70 4.80 4.90





#25

2-Butanone

Concen: 91.23 ug/l

RT: 5.59 min Scan# 545

Delta R.T. -0.03 min

Lab File: VD059946.D

Acq: 4 Sep 2018 16:00

Instrument :

MSVOA_D

ClientSampleId :

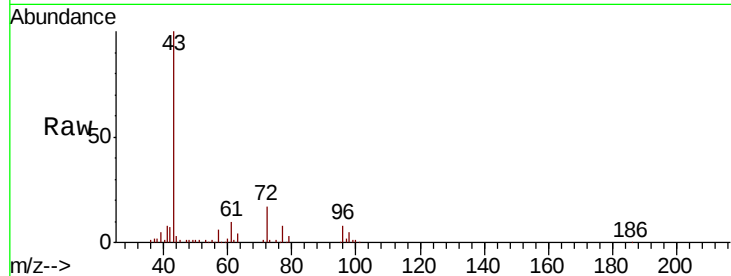
VD0904SBSD01

Tot Ion: 43 Resp: 487337

Ion Ratio Lower Upper

43 100

72 16.8 12.3 18.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

200000

150000

100000

50000

0

5.59

5.40

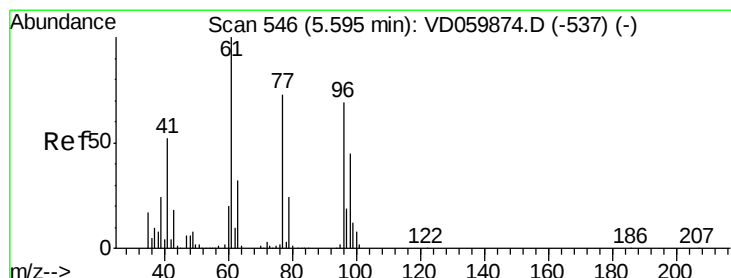
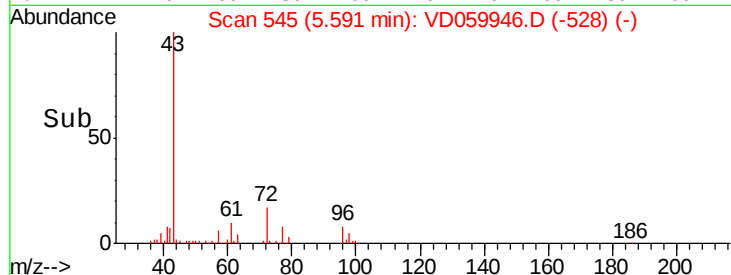
5.50

5.60

5.70

5.80

Time-->



#26

2,2-Dichloropropane

Concen: 19.01 ug/l

RT: 5.55 min Scan# 541

Delta R.T. -0.04 min

Lab File: VD059946.D

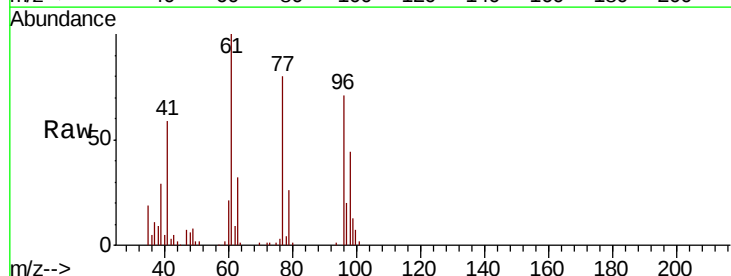
Acq: 4 Sep 2018 16:00

Tgt Ion: 77 Resp: 325775

Ion Ratio Lower Upper

77 100

97 24.3 13.0 38.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

120000

100000

80000

60000

40000

20000

0

5.55

5.40

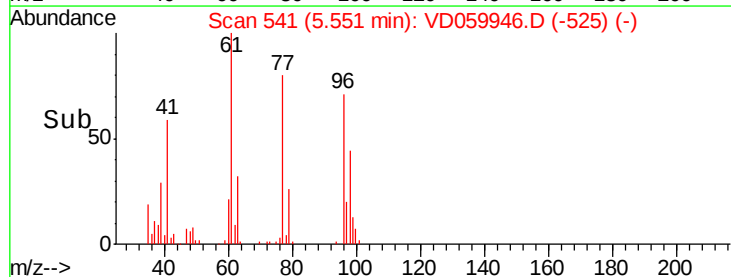
5.50

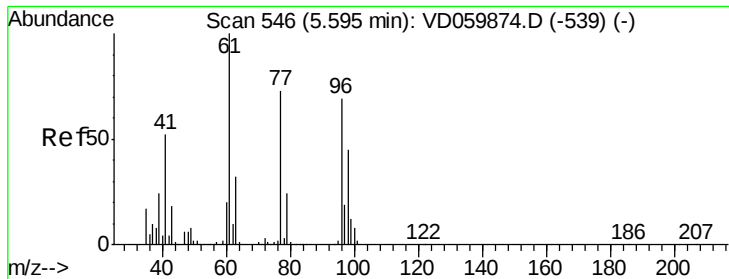
5.60

5.70

5.80

Time-->



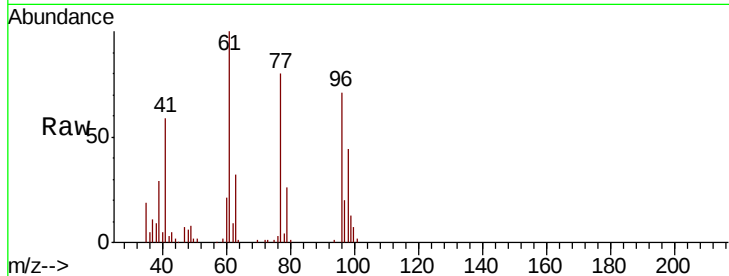


#27

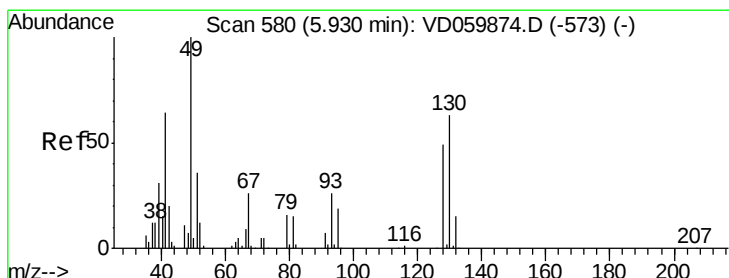
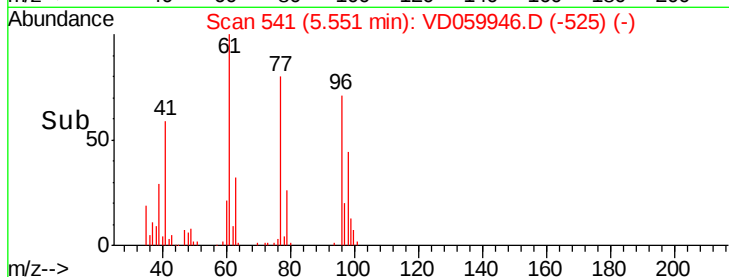
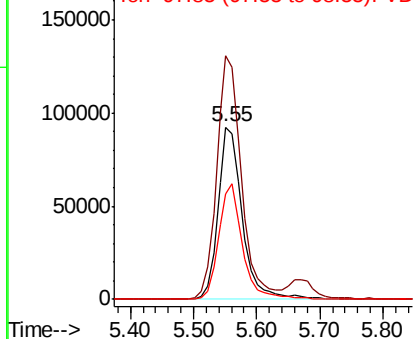
cis-1,2-Dichloroethene
 Concen: 19.99 ug/l
 RT: 5.55 min Scan# 541
 Delta R.T. -0.04 min
 Lab File: VD059946.D
 Acq: 4 Sep 2018 16:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBSD01

Tot Ion	96	Resp	248085
Ion Ratio	Lower	Upper	
96	100		
61	141.2	0.0	290.2
98	61.5	0.0	130.4



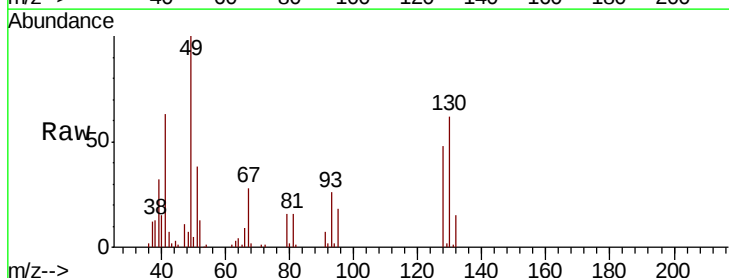
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



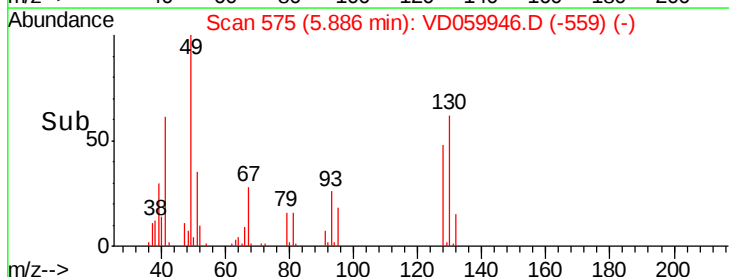
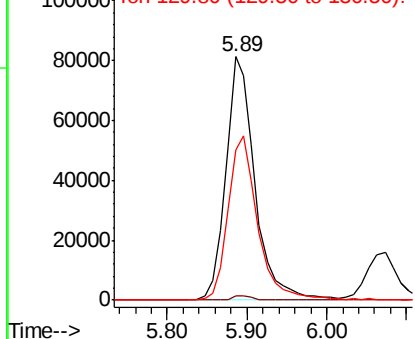
#28

Bromochloromethane
 Concen: 21.12 ug/l
 RT: 5.89 min Scan# 575
 Delta R.T. -0.04 min
 Lab File: VD059946.D
 Acq: 4 Sep 2018 16:00

Tgt Ion	49	Resp	207533
Ion Ratio	Lower	Upper	
49	100		
129	1.7	0.0	3.2
130	61.7	50.6	75.8



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





#29

Tetrahydrofuran

Concen: 108.24 ug/l

RT: 5.93 min Scan# 579

Delta R.T. -0.03 min

Lab File: VD059946.D

Acq: 4 Sep 2018 16:00

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBSD01

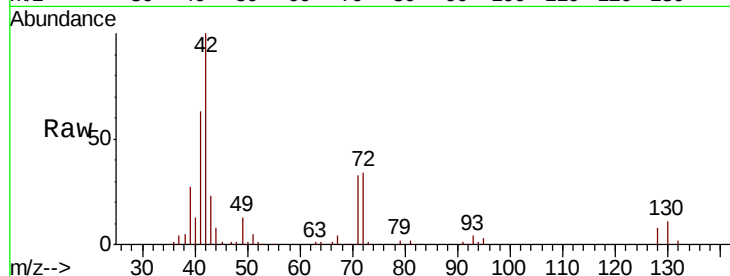
Tot Ion: 42 Resp: 275267

Ion Ratio Lower Upper

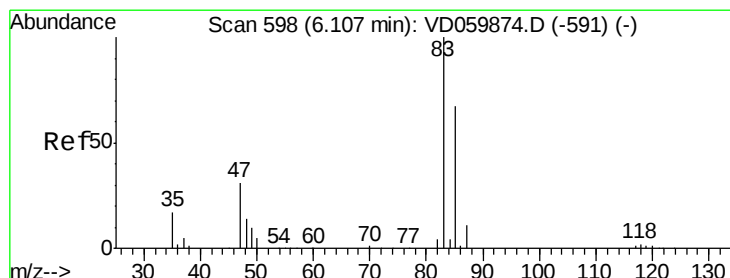
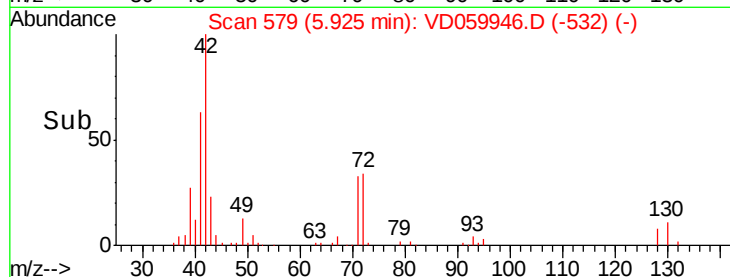
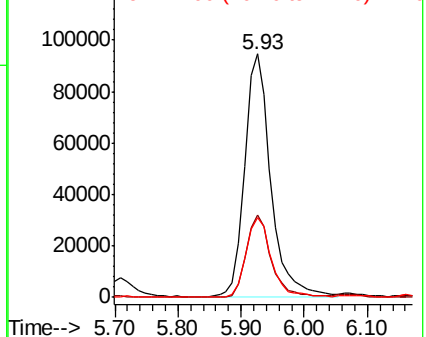
42 100

72 31.7 25.7 38.5

71 31.8 25.3 37.9



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



#30

Chloroform

Concen: 20.27 ug/l

RT: 6.07 min Scan# 594

Delta R.T. -0.03 min

Lab File: VD059946.D

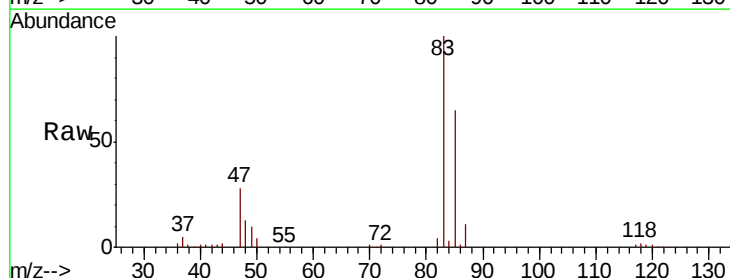
Acq: 4 Sep 2018 16:00

Tgt Ion: 83 Resp: 422456

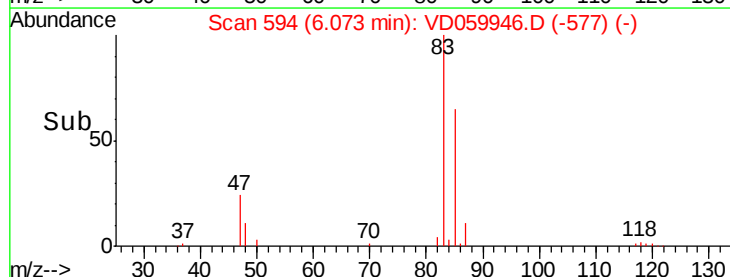
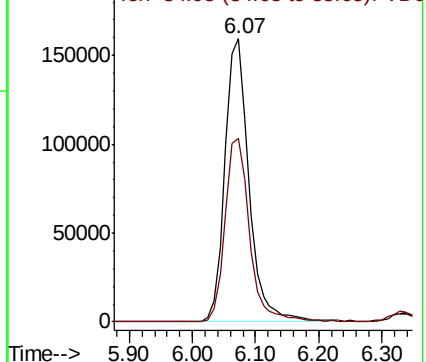
Ion Ratio Lower Upper

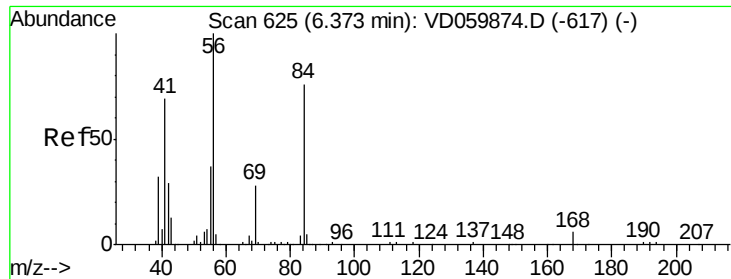
83 100

85 64.8 53.5 80.3



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

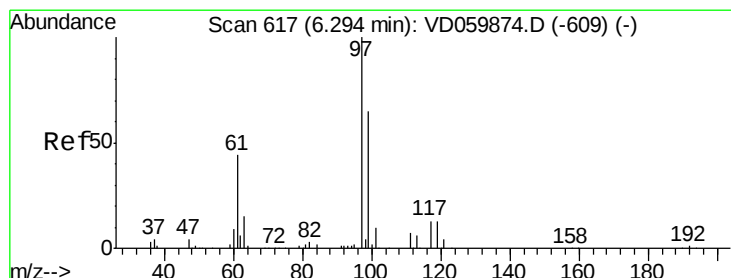
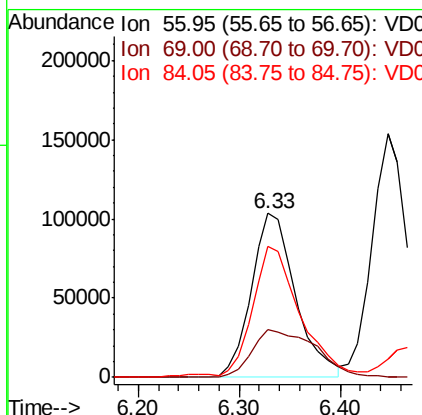
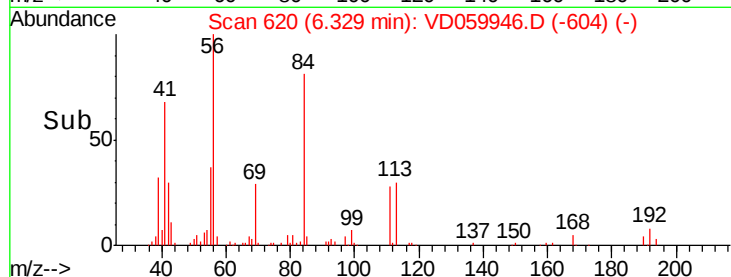
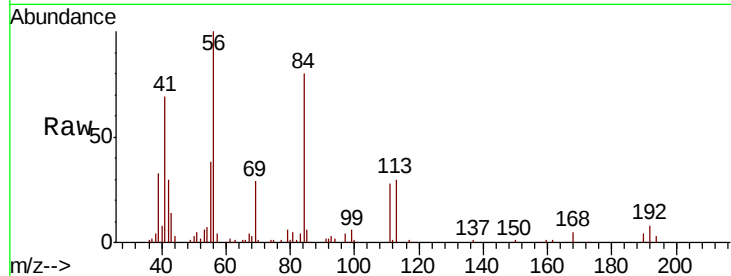




#31
Cyclohexane
Concen: 16.73 ug/l
RT: 6.33 min Scan# 620
Delta R.T. -0.04 min
Lab File: VD059946.D
Acq: 4 Sep 2018 16:00

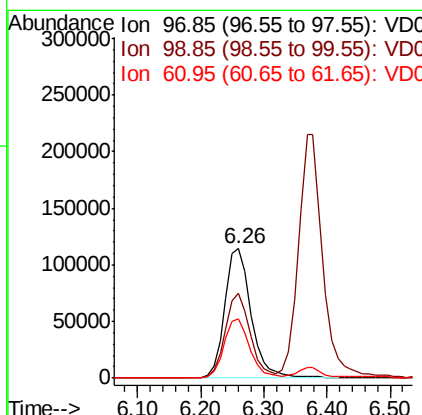
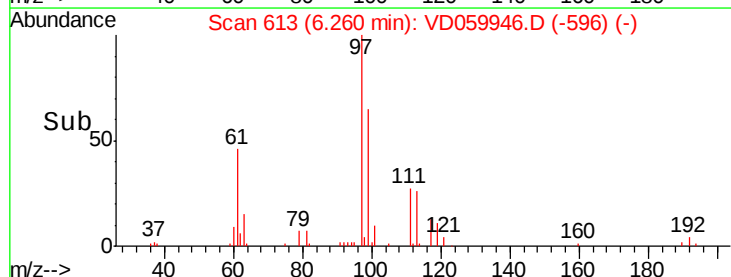
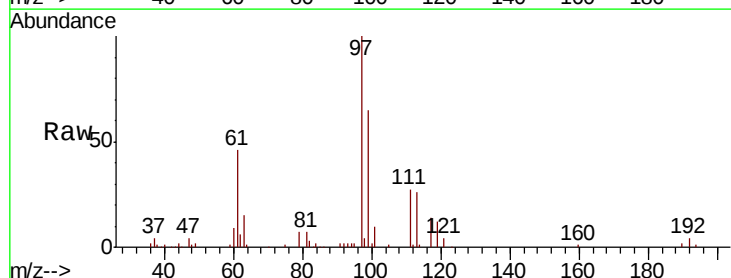
Instrument :
MSVOA_D
ClientSampleId :
VD0904SBSD01

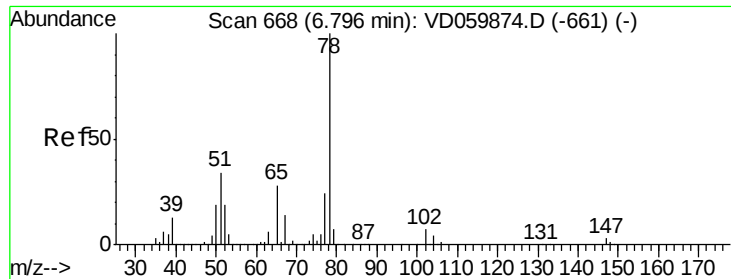
Tot Ion: 56 Resp: 315439
Ion Ratio Lower Upper
56 100
69 28.9 22.4 33.6
84 80.2 62.1 93.1



#32
1,1,1-Trichloroethane
Concen: 18.82 ug/l
RT: 6.26 min Scan# 613
Delta R.T. -0.03 min
Lab File: VD059946.D
Acq: 4 Sep 2018 16:00

Tgt Ion: 97 Resp: 332818
Ion Ratio Lower Upper
97 100
99 65.3 51.7 77.5
61 45.7 35.4 53.2





#33

1,2-Dichloroethane-d4

Concen: 18.82 ug/l

RT: 6.75 min Scan# 663

Delta R.T. -0.04 min

Lab File: VD059946.D

Acq: 4 Sep 2018 16:00

Instrument :

MSVOA_D

ClientSampleId :

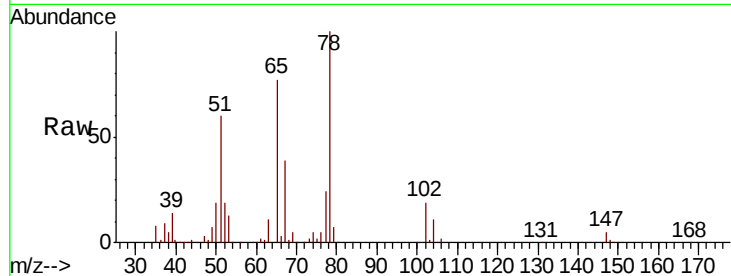
VD0904SBSD01

Tot Ion: 65 Resp: 484941

Ion Ratio Lower Upper

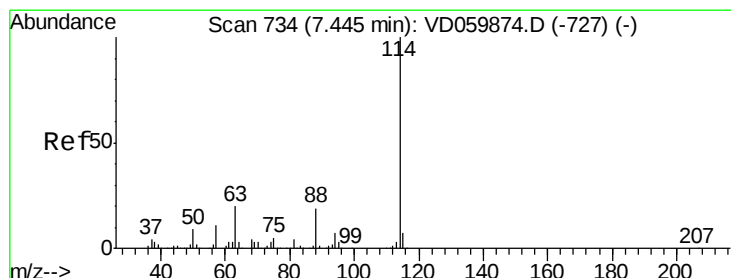
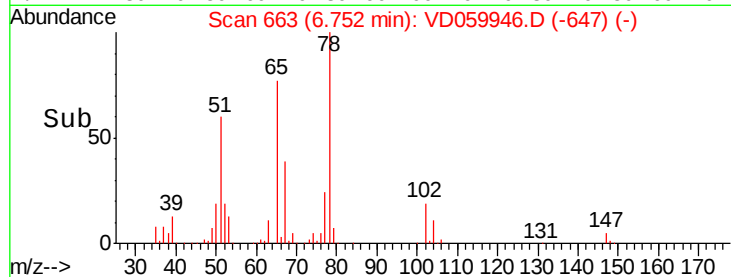
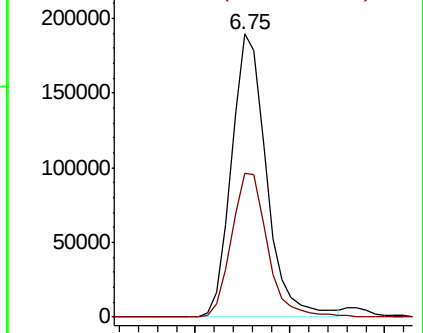
65 100

67 50.6 0.0 103.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.41 min Scan# 730

Delta R.T. -0.03 min

Lab File: VD059946.D

Acq: 4 Sep 2018 16:00

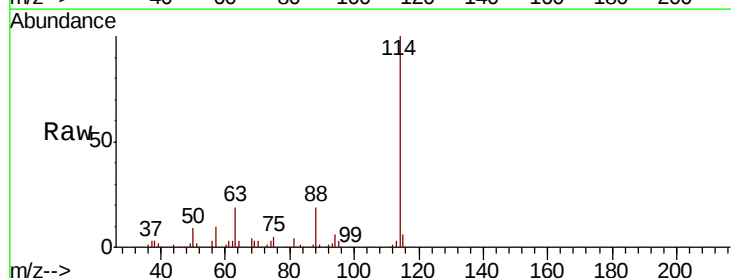
Tgt Ion: 114 Resp: 1602093

Ion Ratio Lower Upper

114 100

63 18.9 0.0 39.4

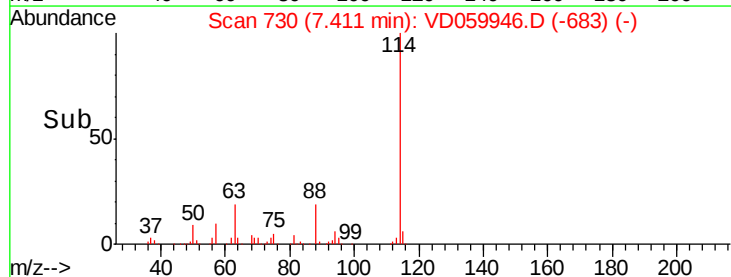
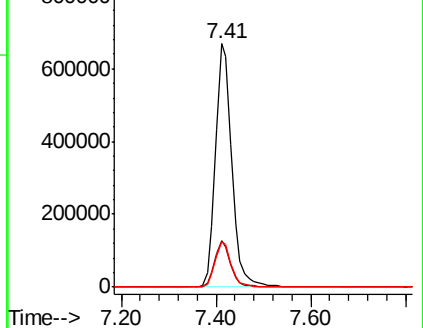
88 18.8 0.0 37.6

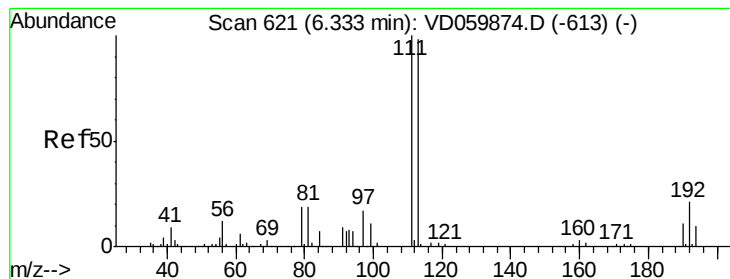


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.29 min Scan# 616

Delta R.T. -0.04 min

Lab File: VD059946.D

Acq: 4 Sep 2018 16:00

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBSD01

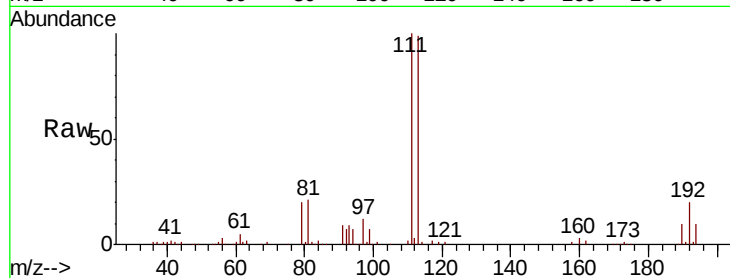
Tot Ion:113 Resp: 618140

Ion Ratio Lower Upper

113 100

111 101.1 81.4 122.2

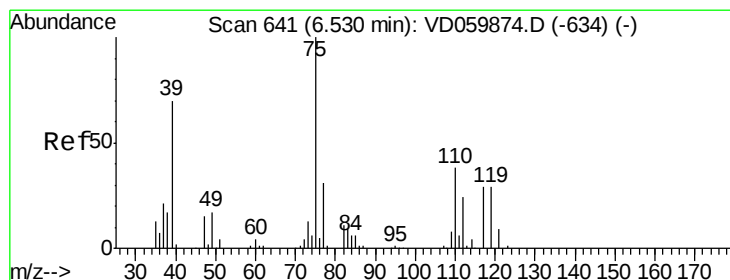
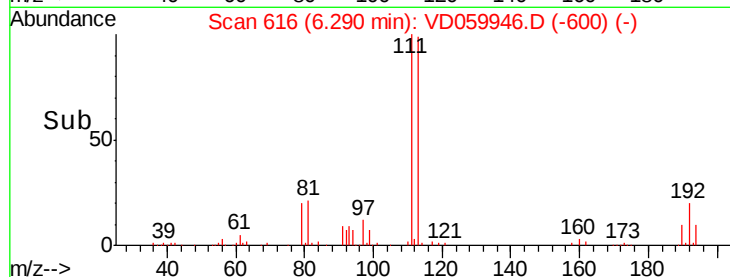
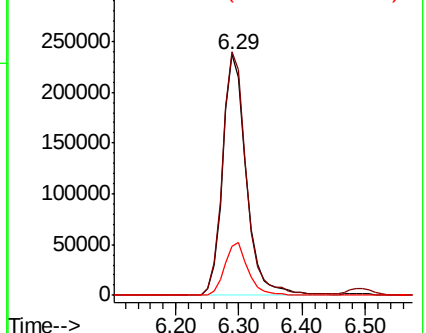
192 20.4 17.0 25.6



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 18.86 ug/l

RT: 6.49 min Scan# 636

Delta R.T. -0.04 min

Lab File: VD059946.D

Acq: 4 Sep 2018 16:00

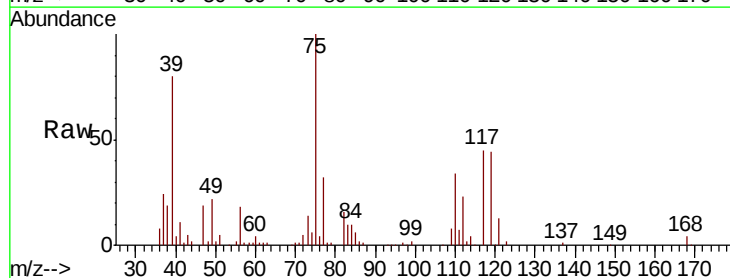
Tgt Ion: 75 Resp: 273943

Ion Ratio Lower Upper

75 100

110 34.0 18.6 56.0

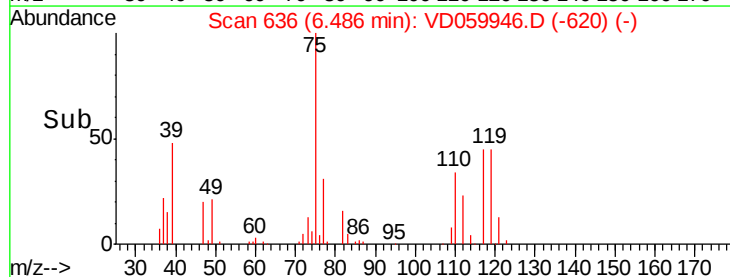
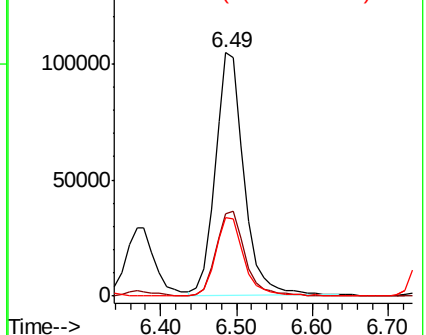
77 32.0 25.1 37.7

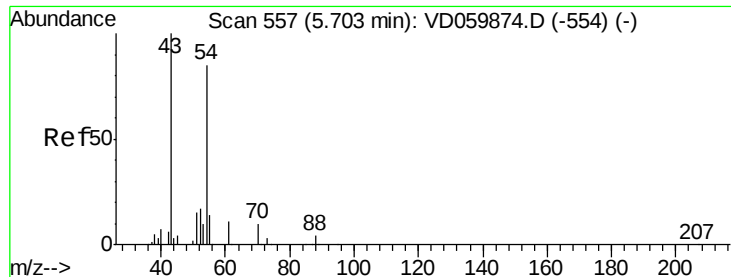


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

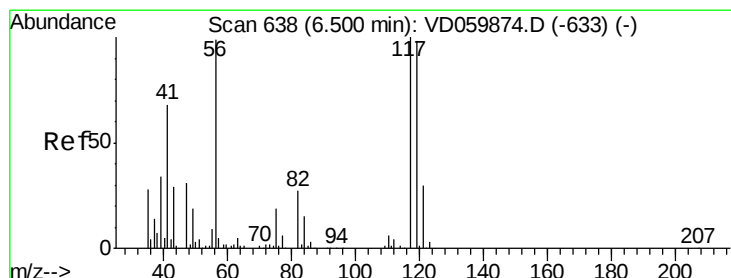
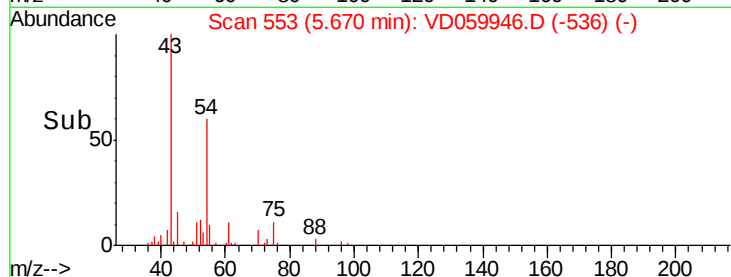
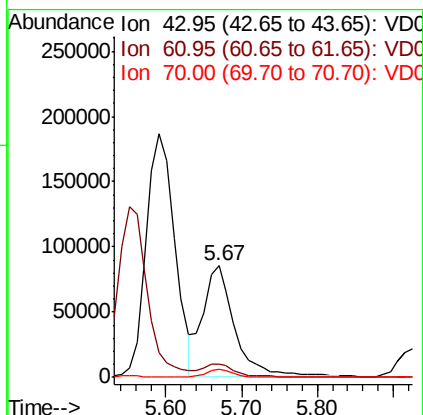
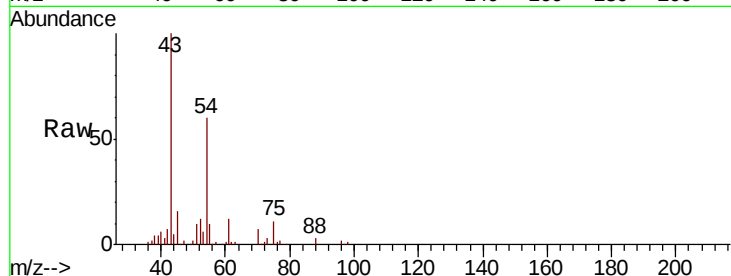




#37
Ethyl Acetate
Concen: 21.75 ug/l
RT: 5.67 min Scan# 553
Delta R.T. -0.03 min
Lab File: VD059946.D
Acq: 4 Sep 2018 16:00

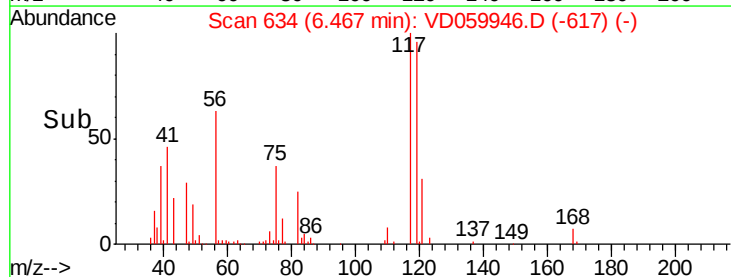
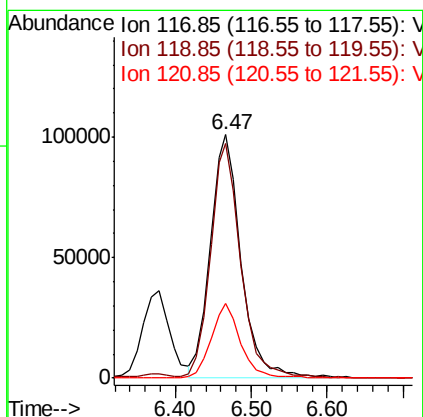
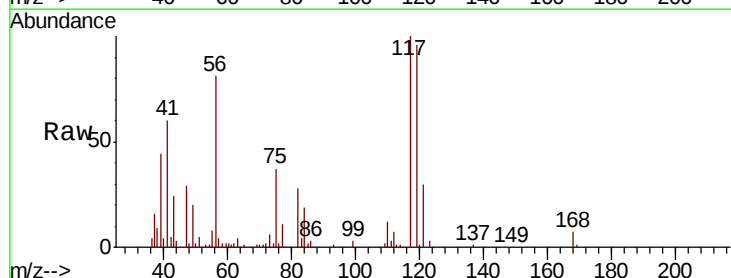
Instrument :
MSVOA_D
ClientSampleId :
VD0904SBSD01

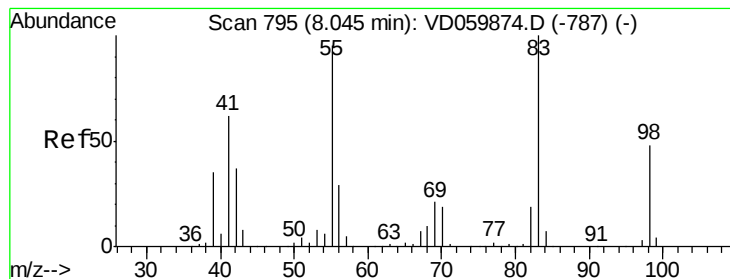
Tot Ion: 43 Resp: 245853
Ion Ratio Lower Upper
43 100
61 12.1 11.0 16.6
70 7.3 5.7 8.5



#38
Carbon Tetrachloride
Concen: 19.18 ug/l
RT: 6.47 min Scan# 634
Delta R.T. -0.03 min
Lab File: VD059946.D
Acq: 4 Sep 2018 16:00

Tgt Ion: 117 Resp: 281166
Ion Ratio Lower Upper
117 100
119 96.2 77.2 115.8
121 30.5 24.0 36.0





#39

Methvlcvclohexane

Concen: 18.47 ug/l

RT: 8.01 min Scan# 791

Delta R.T. -0.03 min

Lab File: VD059946.D

Acq: 4 Sep 2018 16:00

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBSD01

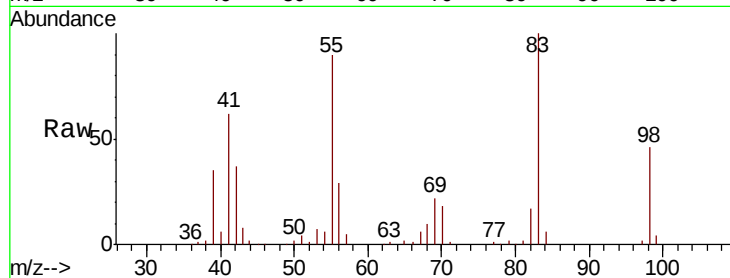
Tot Ion: 83 Resp: 289872

Ion Ratio Lower Upper

83 100

55 90.2 75.8 113.6

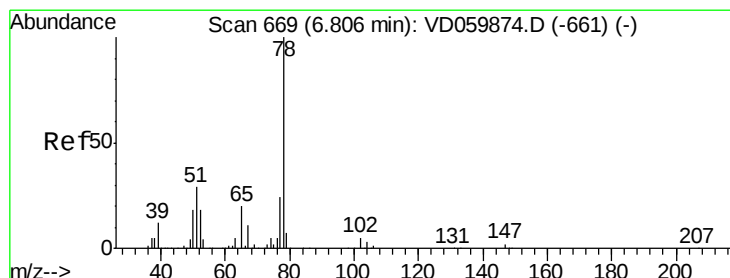
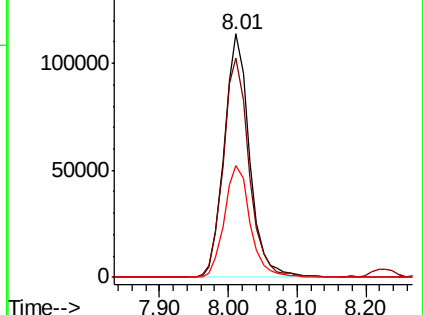
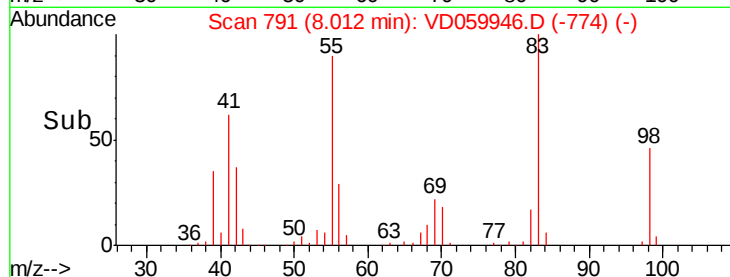
98 45.8 38.3 57.5



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: 20.09 ug/l

RT: 6.76 min Scan# 664

Delta R.T. -0.04 min

Lab File: VD059946.D

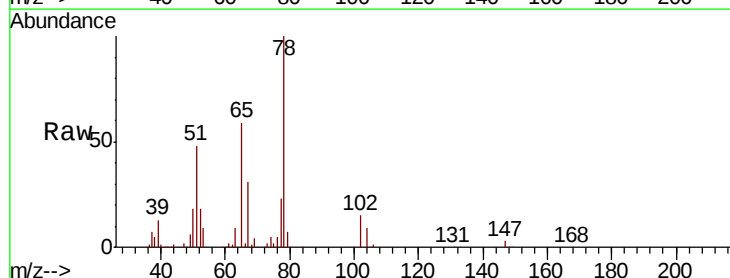
Acq: 4 Sep 2018 16:00

Tgt Ion: 78 Resp: 758513

Ion Ratio Lower Upper

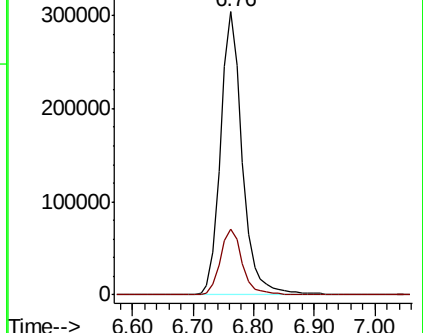
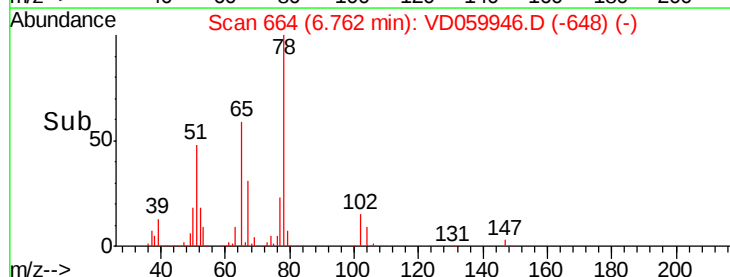
78 100

77 23.5 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: 47.40 ug/l

RT: 5.93 min Scan# 579

Delta R.T. -0.01 min

Lab File: VD059946.D

Acq: 4 Sep 2018 16:00

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBSD01

Tot Ion: 41 Resp: 269844

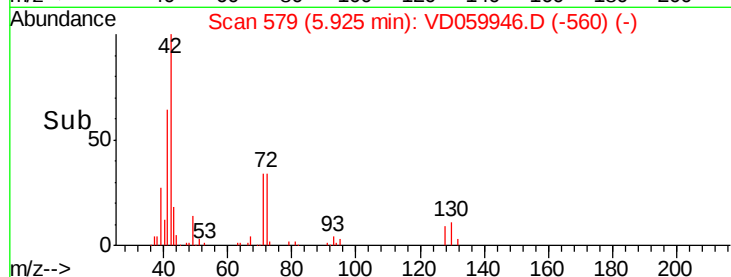
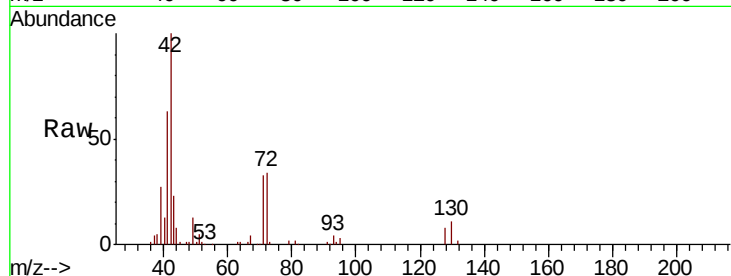
Ion Ratio Lower Upper

41 100

39 42.5 39.4 59.2

67 5.6 22.2 33.2#

52 2.2 10.1 15.1#

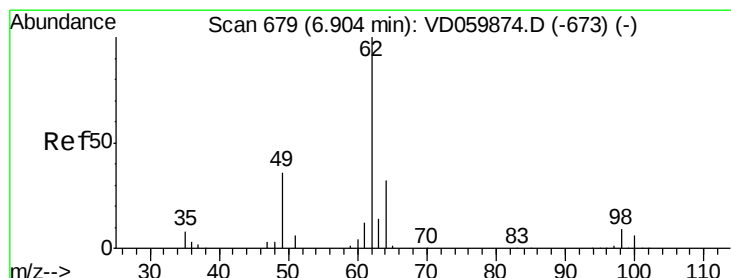
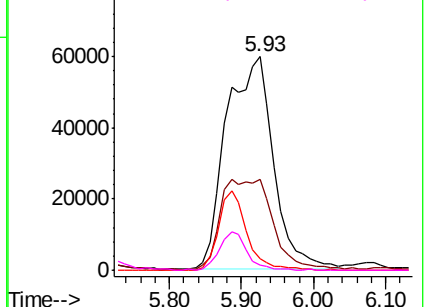


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.39 ug/l

RT: 6.86 min Scan# 674

Delta R.T. -0.04 min

Lab File: VD059946.D

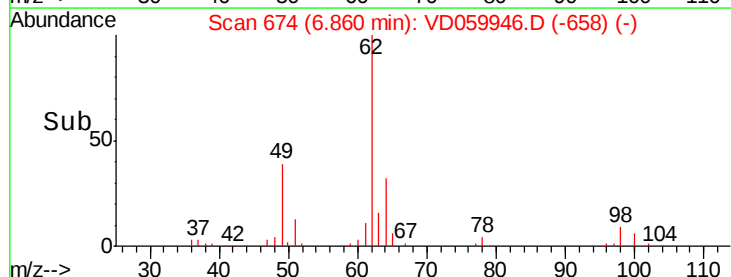
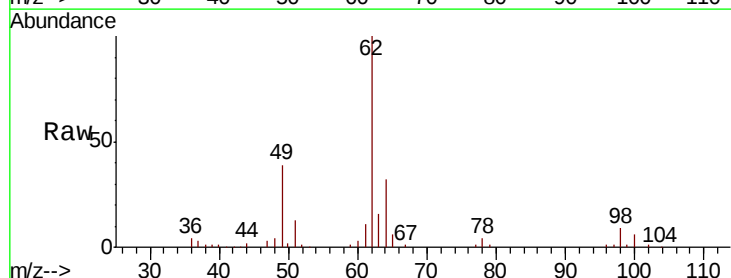
Acq: 4 Sep 2018 16:00

Tgt Ion: 62 Resp: 247131

Ion Ratio Lower Upper

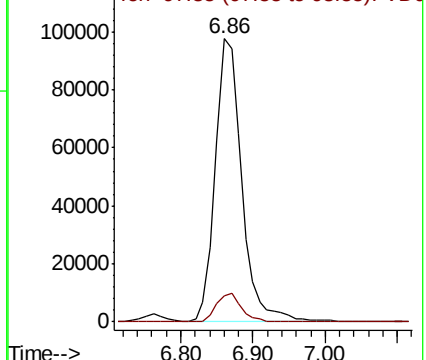
62 100

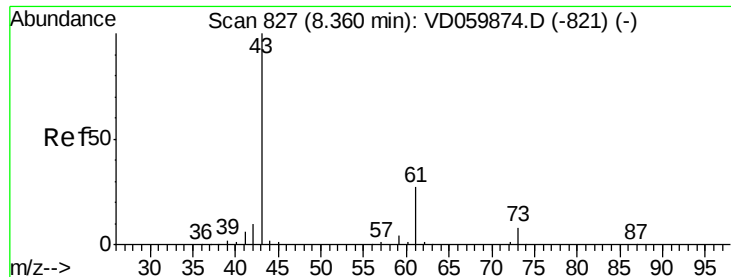
98 9.2 0.0 18.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



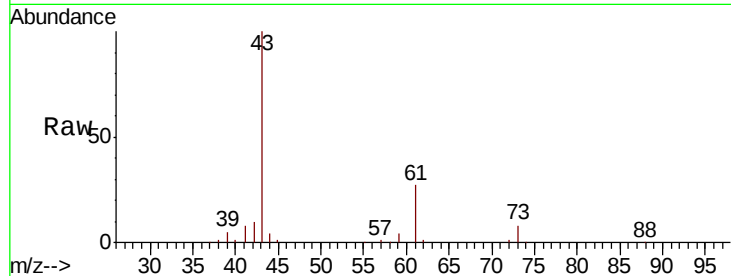


#43

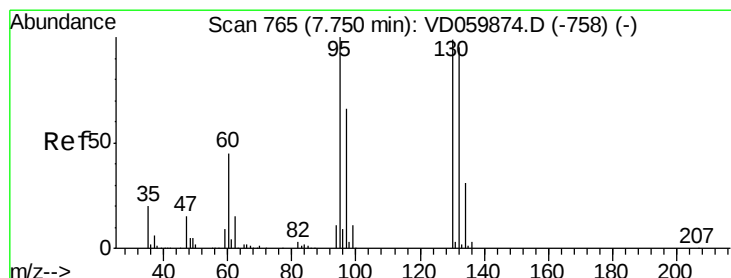
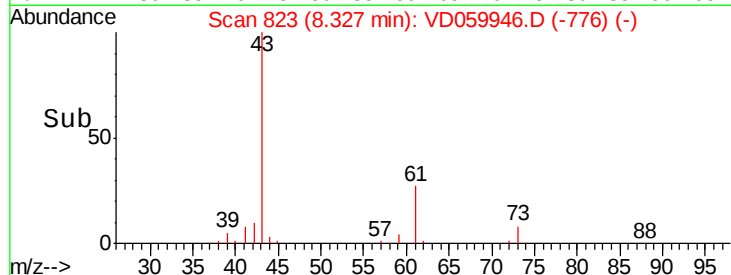
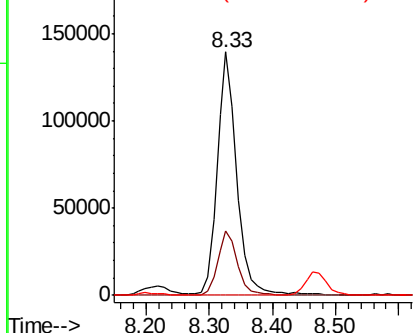
Isopropyl Acetate
 Concen: 20.41 ug/l
 RT: 8.33 min Scan# 823
 Delta R.T. -0.03 min
 Lab File: VD059946.D
 Acq: 4 Sep 2018 16:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBSD01

Tot Ion: 43 Resp: 300079
 Ion Ratio Lower Upper
 43 100
 61 26.5 21.4 32.2
 87 0.0 0.2 0.4#



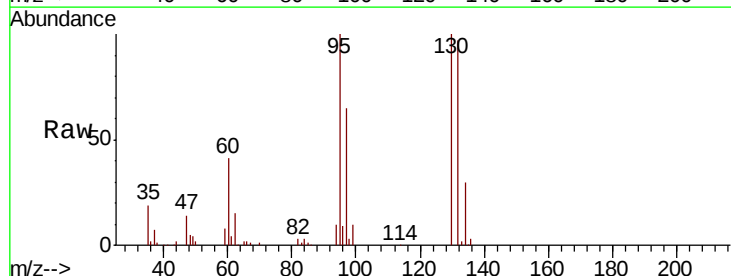
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



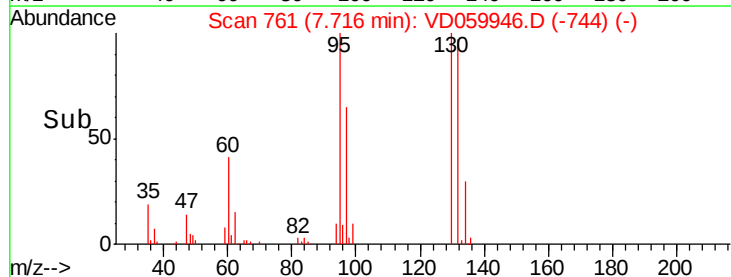
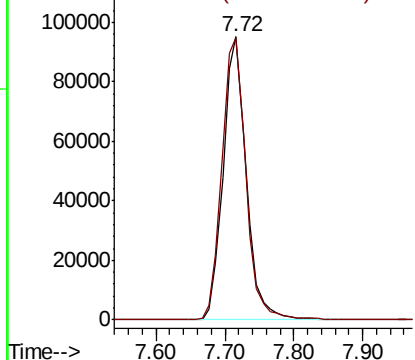
#44

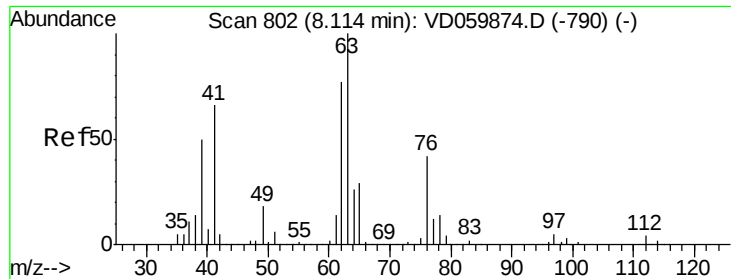
Trichloroethene
 Concen: 19.84 ug/l
 RT: 7.72 min Scan# 761
 Delta R.T. -0.03 min
 Lab File: VD059946.D
 Acq: 4 Sep 2018 16:00

Tgt Ion: 130 Resp: 220557
 Ion Ratio Lower Upper
 130 100
 95 99.6 0.0 202.0



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

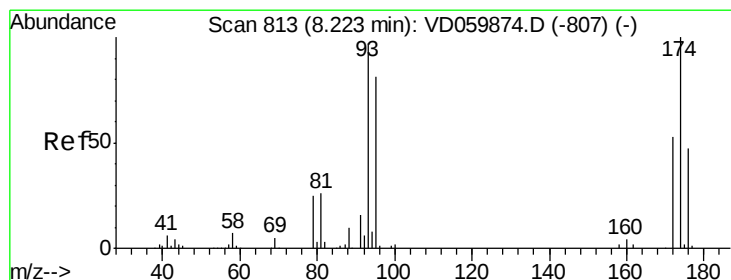
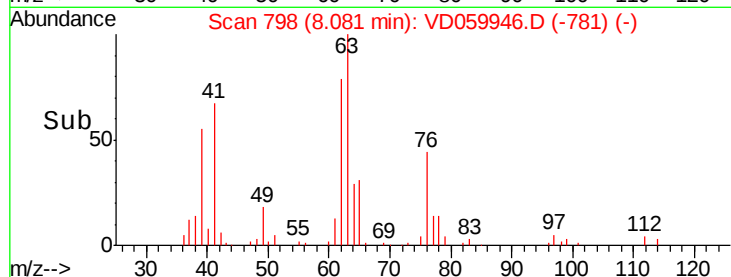
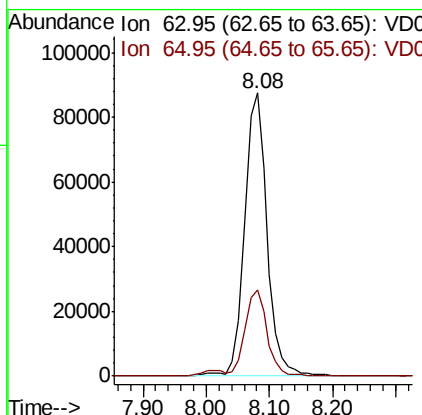
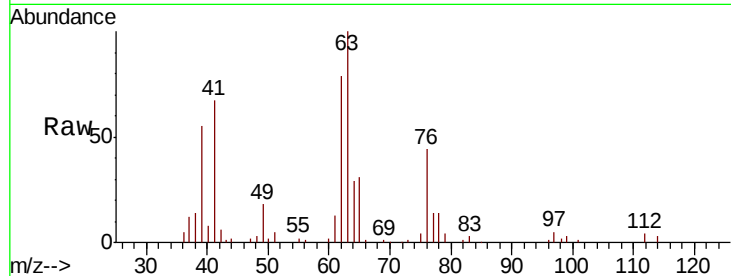




#45
 1,2-Dichloropropane
 Concen: 20.41 ug/l
 RT: 8.08 min Scan# 798
 Delta R.T. -0.03 min
 Lab File: VD059946.D
 Acq: 4 Sep 2018 16:00

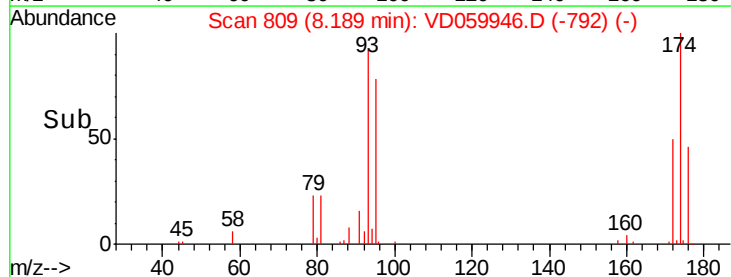
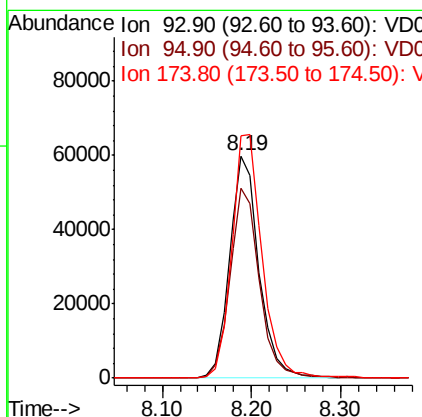
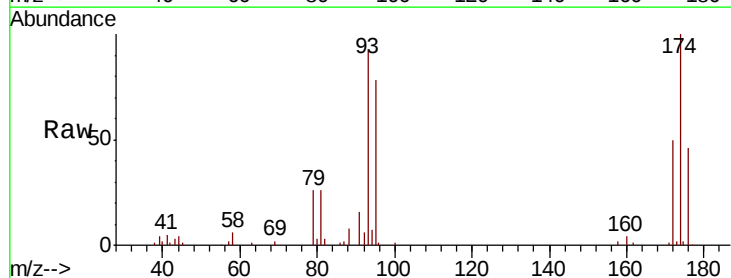
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBSD01

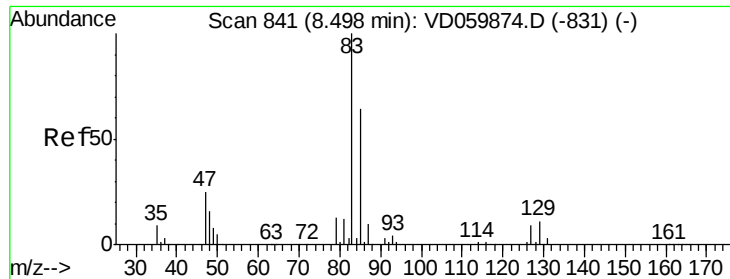
Tot Ion: 63 Resp: 215436
 Ion Ratio Lower Upper
 63 100
 65 30.6 23.5 35.3



#46
 Dibromomethane
 Concen: 20.30 ug/l
 RT: 8.19 min Scan# 809
 Delta R.T. -0.03 min
 Lab File: VD059946.D
 Acq: 4 Sep 2018 16:00

Tgt Ion: 93 Resp: 137804
 Ion Ratio Lower Upper
 93 100
 95 85.1 66.6 100.0
 174 109.1 82.4 123.6





#47

Bromodichloromethane

Concen: 19.88 ug/l

RT: 8.46 min Scan# 837

Delta R.T. -0.03 min

Lab File: VD059946.D

Acq: 4 Sep 2018 16:00

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBSD01

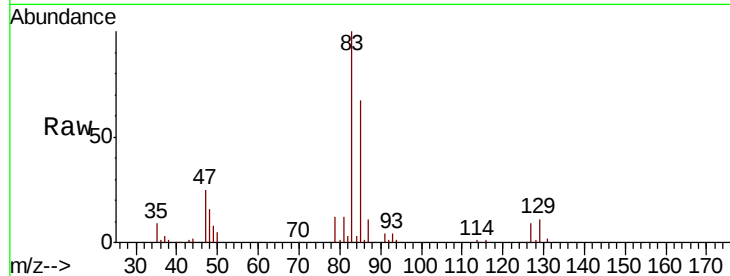
Tot Ion: 83 Resp: 305413

Ion Ratio Lower Upper

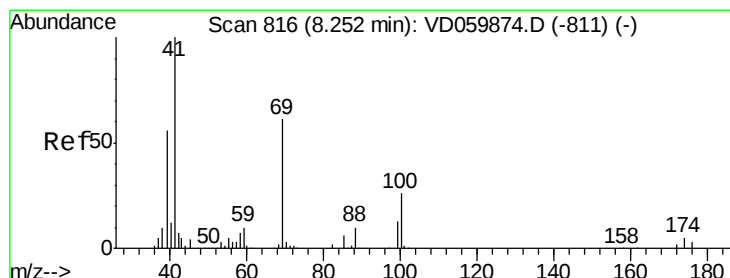
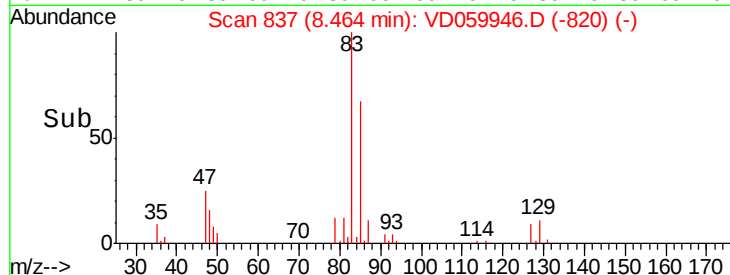
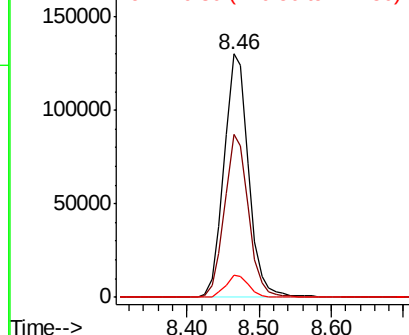
83 100

85 66.8 51.3 76.9

127 9.2 7.0 10.4



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



#48

Methyl methacrylate

Concen: 20.20 ug/l

RT: 8.22 min Scan# 812

Delta R.T. -0.03 min

Lab File: VD059946.D

Acq: 4 Sep 2018 16:00

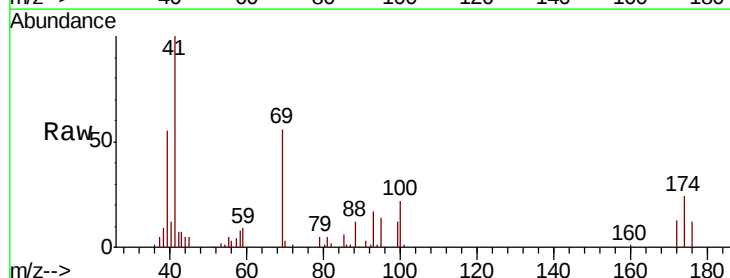
Tgt Ion: 41 Resp: 173133

Ion Ratio Lower Upper

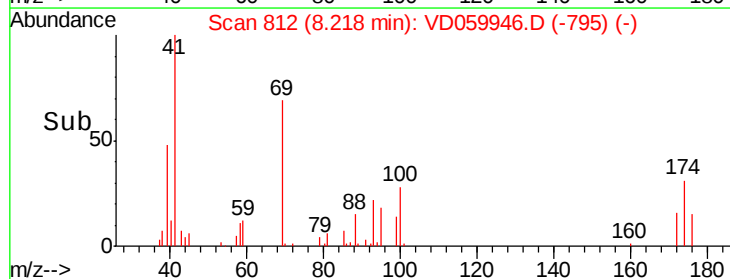
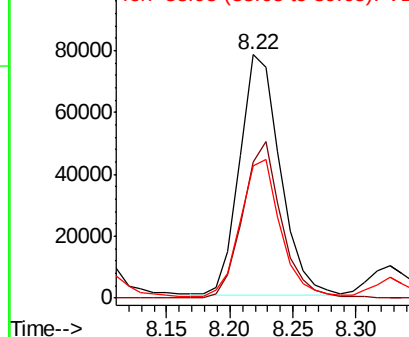
41 100

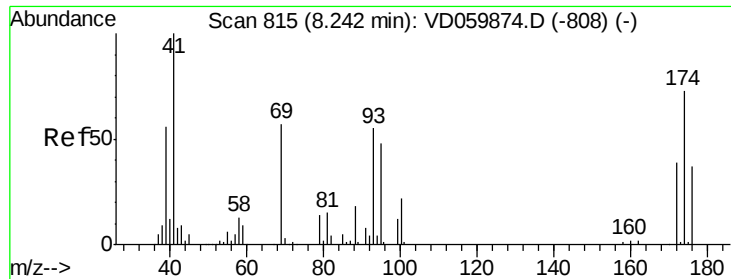
69 56.0 48.0 72.0

39 54.5 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: 443.10 ug/l

RT: 8.21 min Scan# 811

Delta R.T. -0.03 min

Lab File: VD059946.D

Acq: 4 Sep 2018 16:00

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBSD01

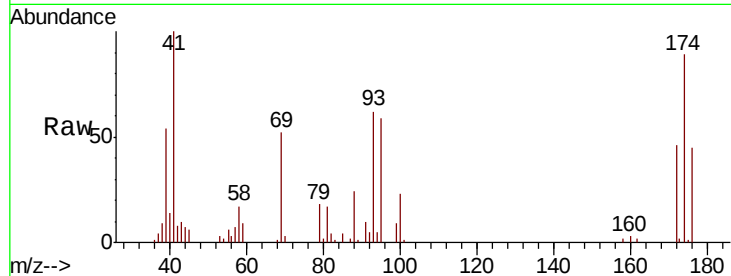
Tot Ion: 88 Resp: 33905

Ion Ratio Lower Upper

88 100

43 41.2 45.0 67.6#

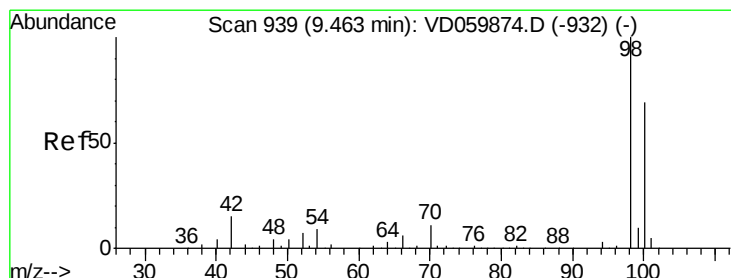
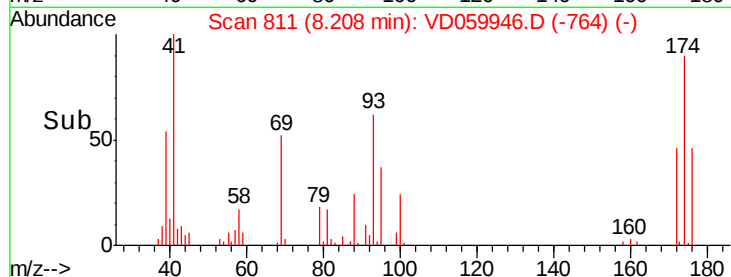
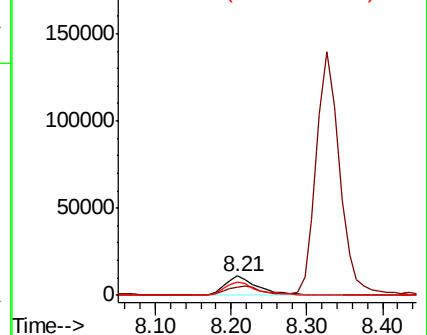
58 69.8 55.8 83.8



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 443.10 ug/l

RT: 9.43 min Scan# 935

Delta R.T. -0.03 min

Lab File: VD059946.D

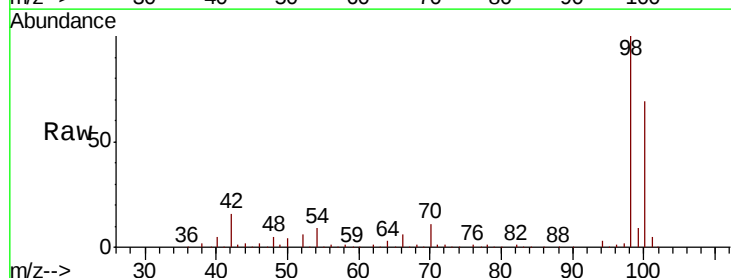
Acq: 4 Sep 2018 16:00

Tgt Ion: 98 Resp: 1678593

Ion Ratio Lower Upper

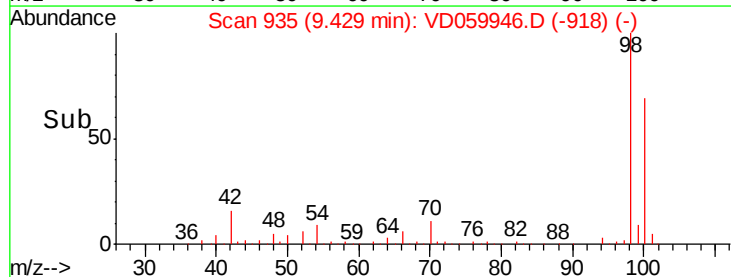
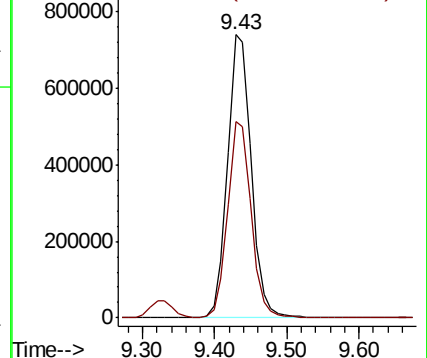
98 100

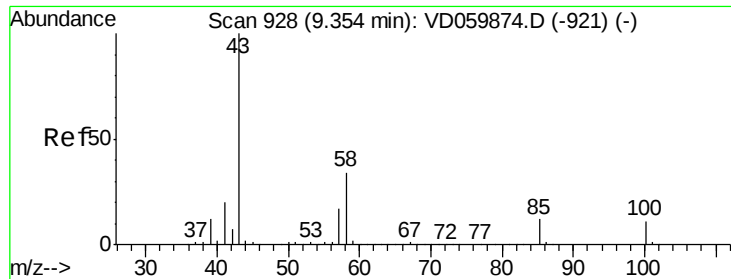
100 69.1 55.8 83.6



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: 96.95 ug/l

RT: 9.32 min Scan# 924

Delta R.T. -0.03 min

Lab File: VD059946.D

Acq: 4 Sep 2018 16:00

Instrument :

MSVOA_D

ClientSampleId :

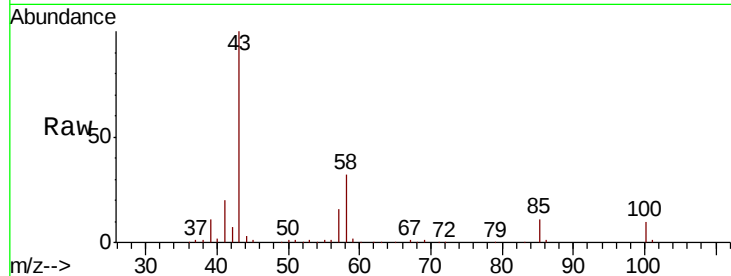
VD0904SBS01

Tot Ion: 43 Resp: 1062673

Ion Ratio Lower Upper

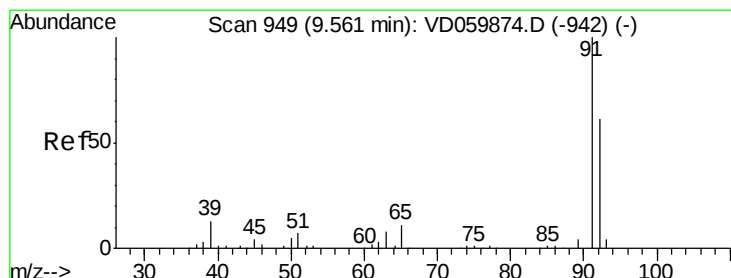
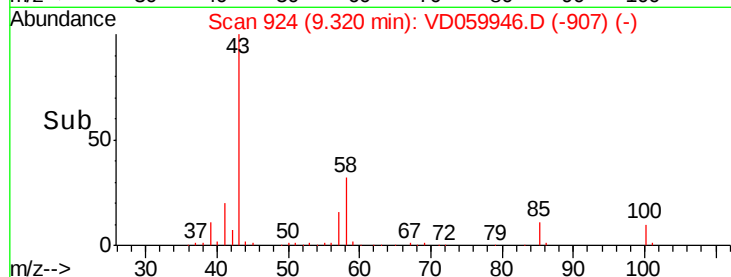
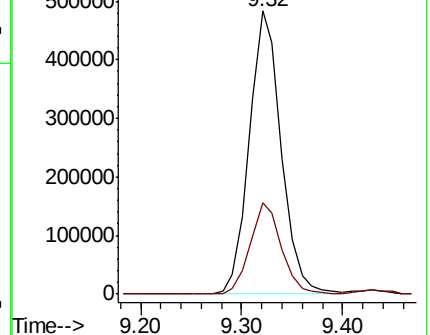
43 100

58 32.3 27.0 40.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 20.46 ug/l

RT: 9.53 min Scan# 945

Delta R.T. -0.03 min

Lab File: VD059946.D

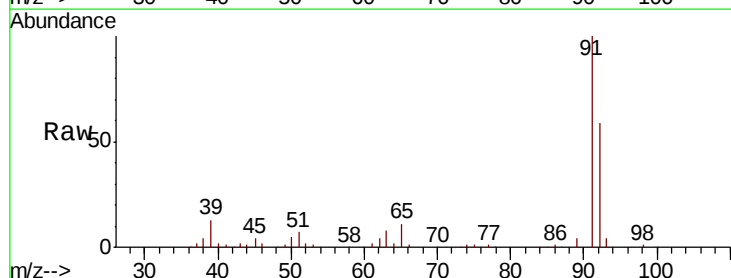
Acq: 4 Sep 2018 16:00

Tgt Ion: 92 Resp: 495453

Ion Ratio Lower Upper

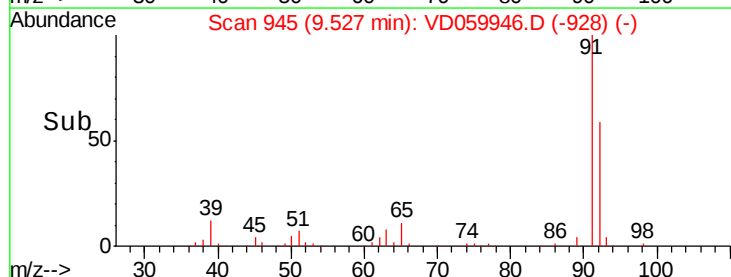
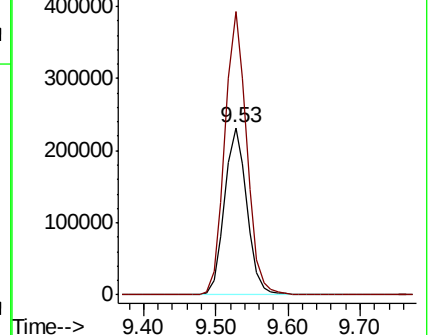
92 100

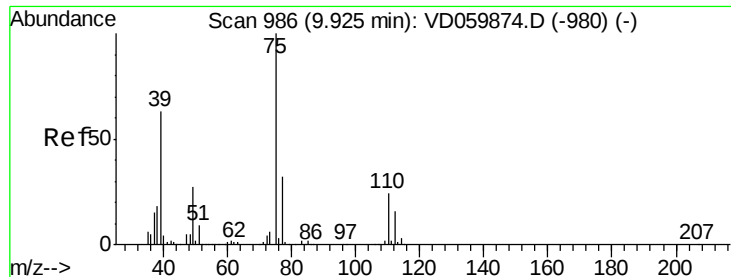
91 168.9 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 19.96 ug/l

RT: 9.90 min Scan# 983

Delta R.T. -0.02 min

Lab File: VD059946.D

Acq: 4 Sep 2018 16:00

Instrument :

MSVOA_D

ClientSampleId :

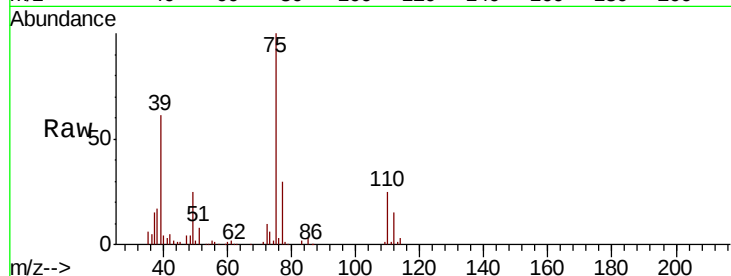
VD0904SBSD01

Tot Ion: 75 Resp: 283635

Ion Ratio Lower Upper

75 100

77 30.2 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

150000

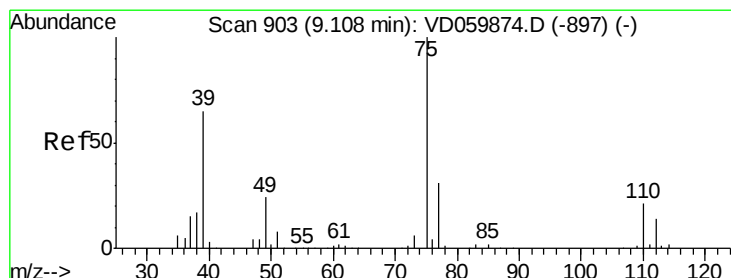
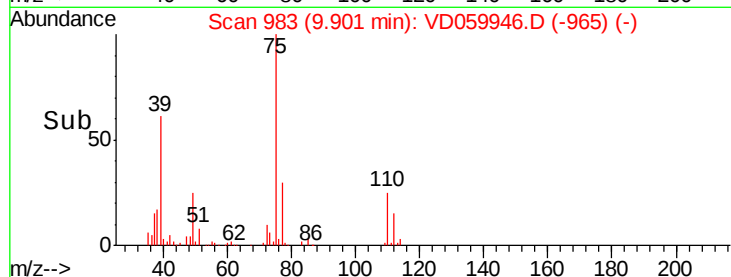
100000

50000

0

9.80 9.90 10.00

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.13 ug/l

RT: 9.08 min Scan# 900

Delta R.T. -0.02 min

Lab File: VD059946.D

Acq: 4 Sep 2018 16:00

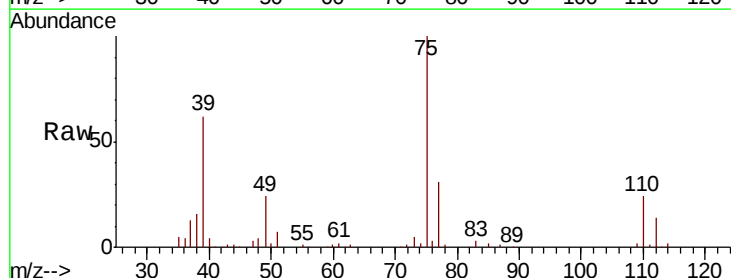
Tgt Ion: 75 Resp: 331739

Ion Ratio Lower Upper

75 100

77 31.4 24.8 37.2

39 61.8 52.1 78.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

200000

150000

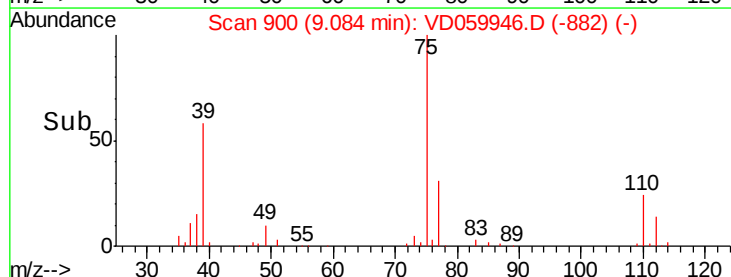
100000

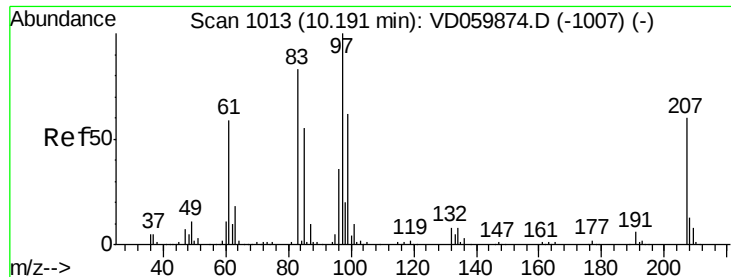
50000

0

9.00 9.10 9.20

Time-->

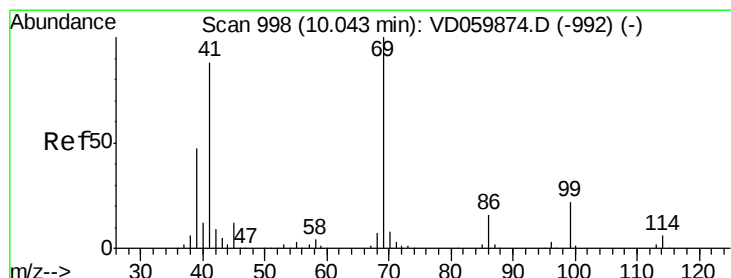
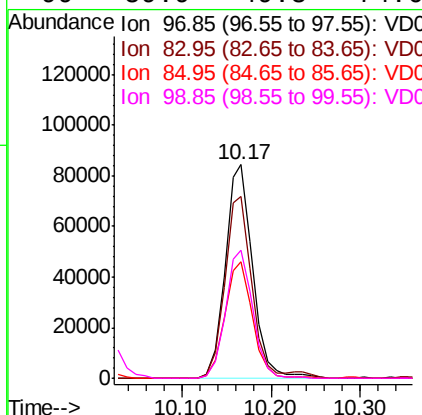
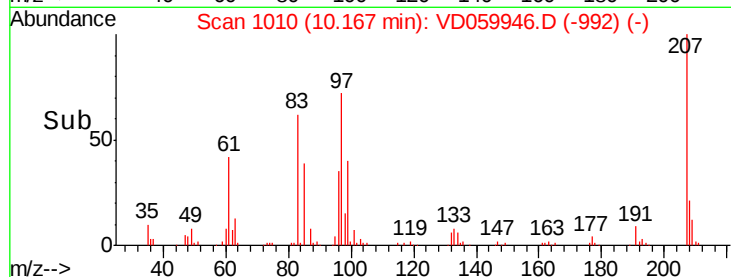
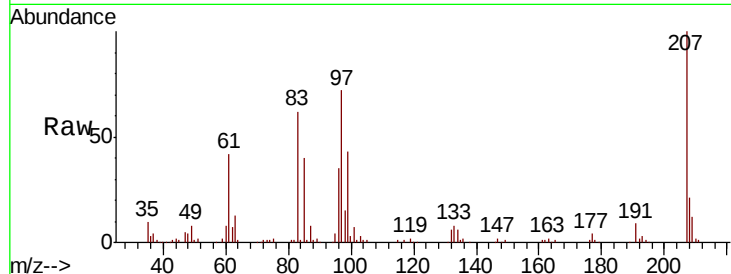




#55
 1,1,2-Trichloroethane
 Concen: 20.53 ug/l
 RT: 10.17 min Scan# 1010
 Delta R.T. -0.02 min
 Lab File: VD059946.D
 Acq: 4 Sep 2018 16:00

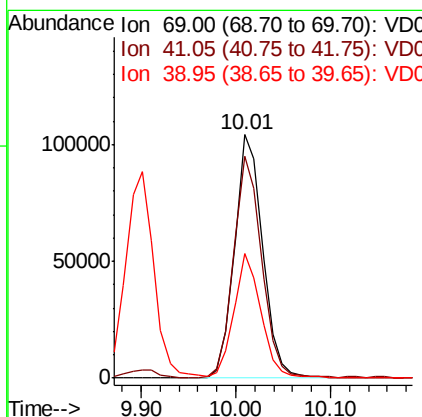
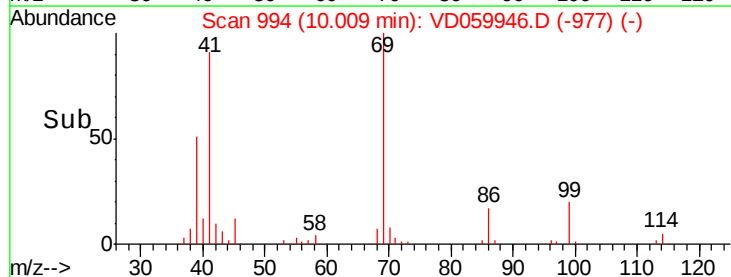
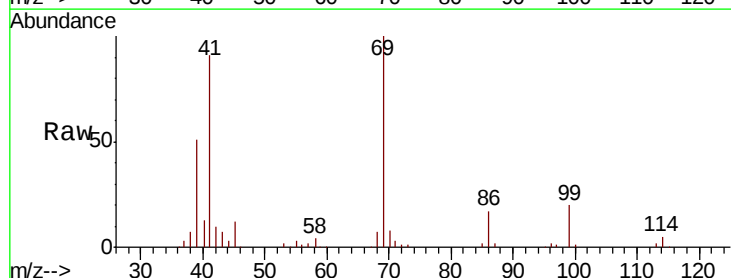
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBS01

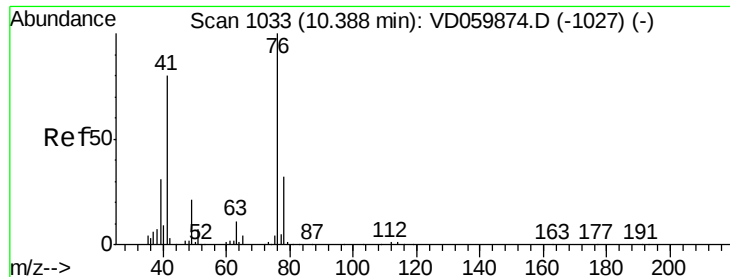
Tot Ion: 97 Resp: 181739
 Ion Ratio Lower Upper
 97 100
 83 85.4 66.7 100.1
 85 54.7 43.8 65.6
 99 59.9 49.8 74.6



#56
 Ethyl methacrylate
 Concen: 20.99 ug/l
 RT: 10.01 min Scan# 994
 Delta R.T. -0.03 min
 Lab File: VD059946.D
 Acq: 4 Sep 2018 16:00

Tgt Ion: 69 Resp: 214457
 Ion Ratio Lower Upper
 69 100
 41 90.9 71.0 106.4
 39 51.3 38.5 57.7

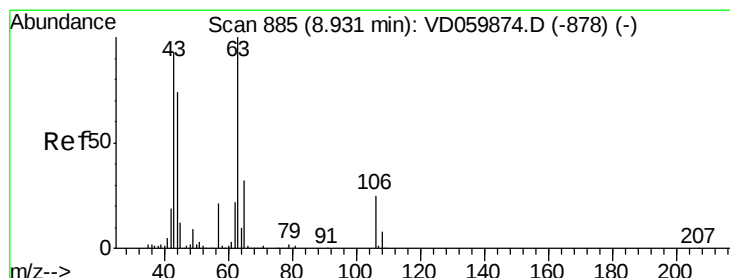
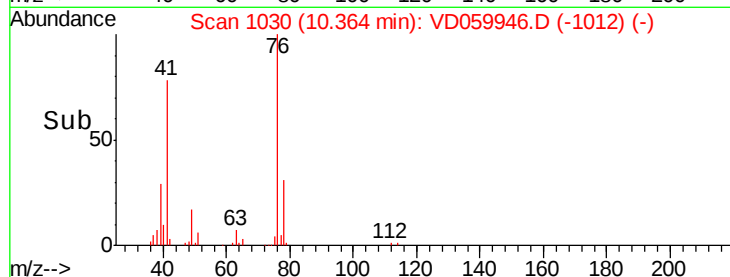
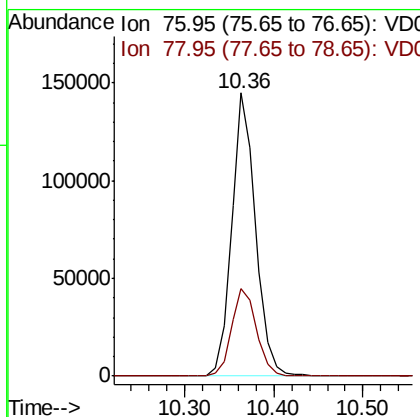
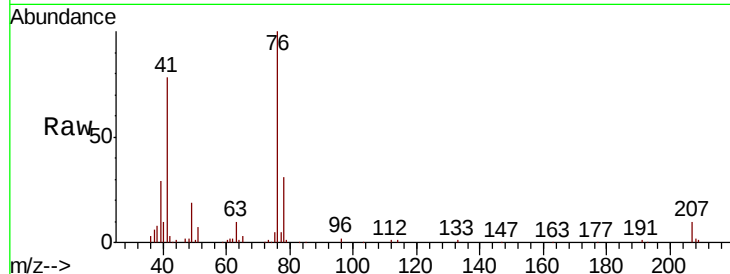




#57
 1,3-Dichloropropane
 Concen: 21.12 ug/l
 RT: 10.36 min Scan# 1030
 Delta R.T. -0.02 min
 Lab File: VD059946.D
 Acq: 4 Sep 2018 16:00

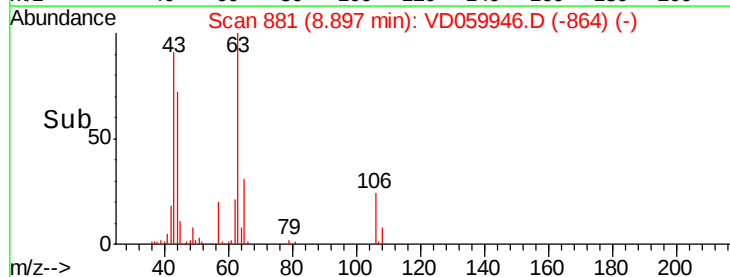
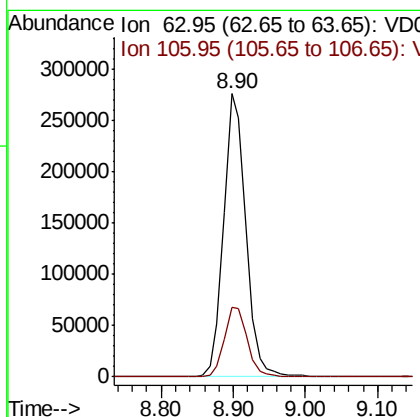
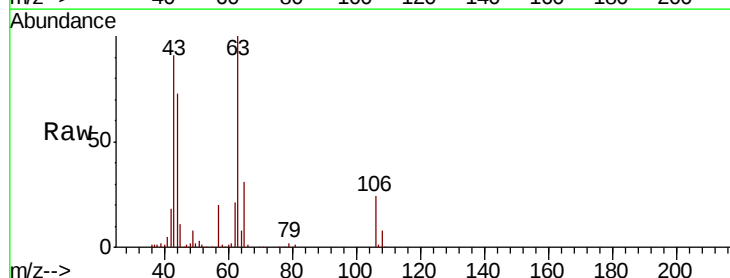
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBSD01

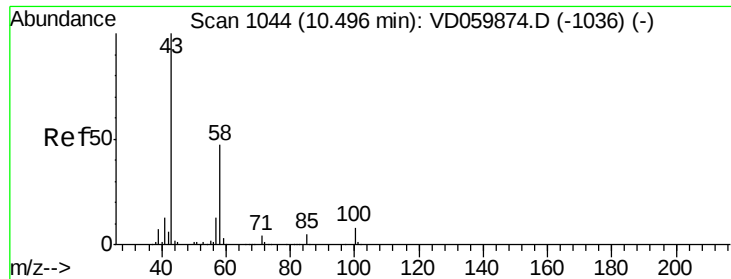
Tot Ion: 76 Resp: 270566
 Ion Ratio Lower Upper
 76 100
 78 31.1 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 120.26 ug/l
 RT: 8.90 min Scan# 881
 Delta R.T. -0.03 min
 Lab File: VD059946.D
 Acq: 4 Sep 2018 16:00

Tgt Ion: 63 Resp: 589308
 Ion Ratio Lower Upper
 63 100
 106 24.5 20.1 30.1

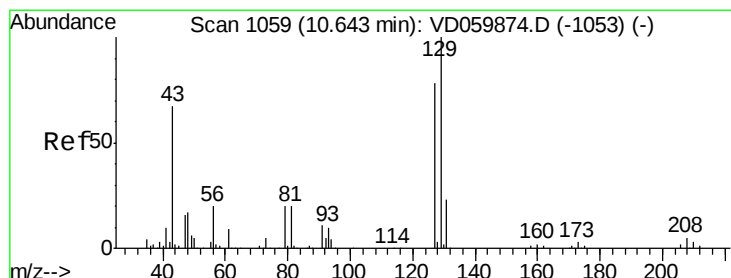
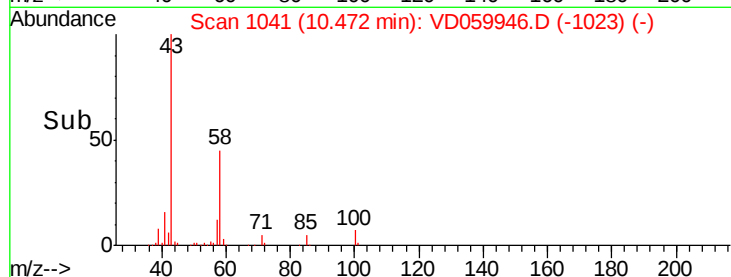
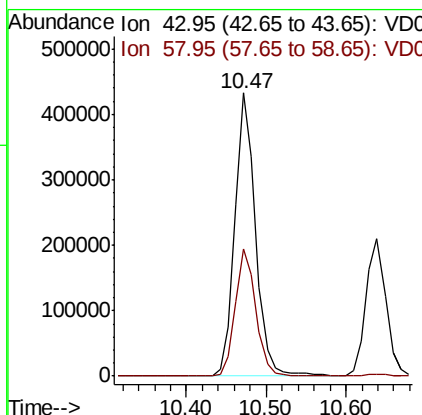
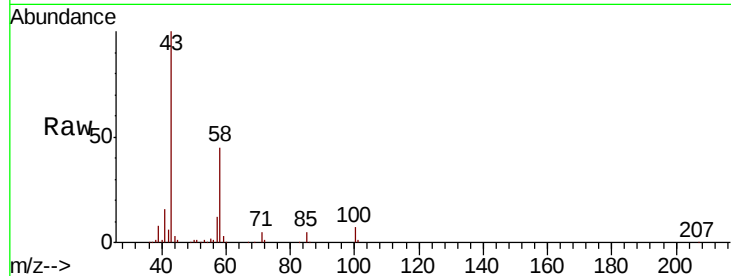




#59
2-Hexanone
Concen: 97.47 ug/l
RT: 10.47 min Scan# 1041
Delta R.T. -0.02 min
Lab File: VD059946.D
Acq: 4 Sep 2018 16:00

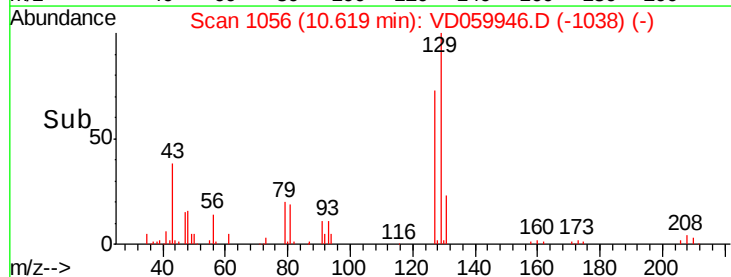
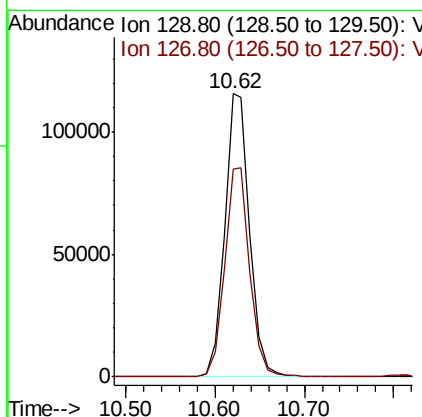
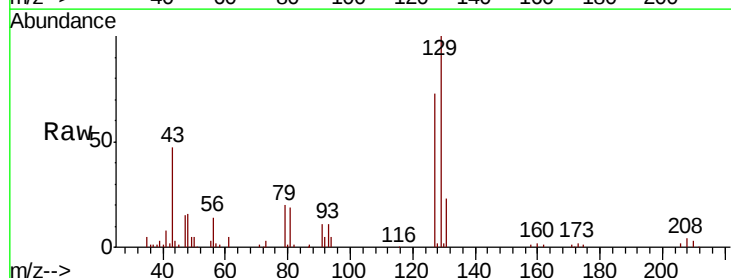
Instrument :
MSVOA_D
ClientSampleId :
VD0904SBSD01

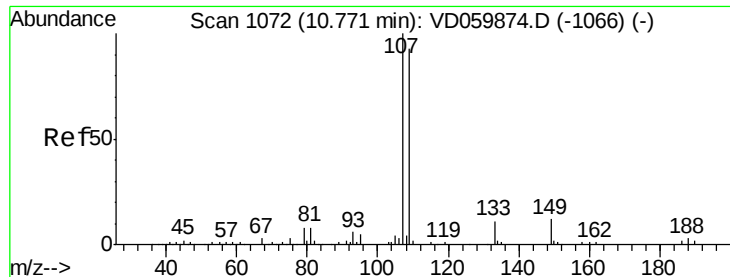
Tot Ion: 43 Resp: 787975
Ion Ratio Lower Upper
43 100
58 44.9 23.3 69.8



#60
Dibromochloromethane
Concen: 20.28 ug/l
RT: 10.62 min Scan# 1056
Delta R.T. -0.02 min
Lab File: VD059946.D
Acq: 4 Sep 2018 16:00

Tgt Ion: 129 Resp: 225616
Ion Ratio Lower Upper
129 100
127 73.3 39.1 117.2





#61

1,2-Dibromoethane

Concen: 20.28 ug/l

RT: 10.75 min Scan# 1069

Delta R.T. -0.02 min

Lab File: VD059946.D

Acq: 4 Sep 2018 16:00

Instrument :

MSVOA_D

ClientSampleId :

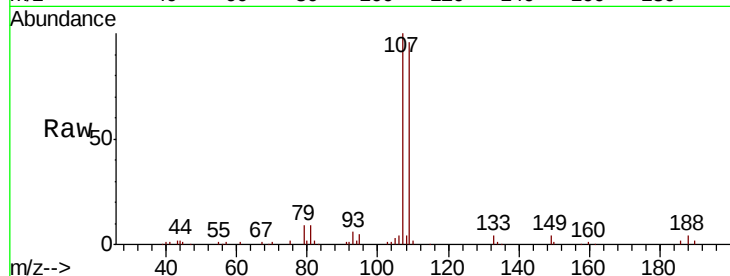
VD0904SBSD01

Tot Ion:107 Resp: 181484

Ion Ratio Lower Upper

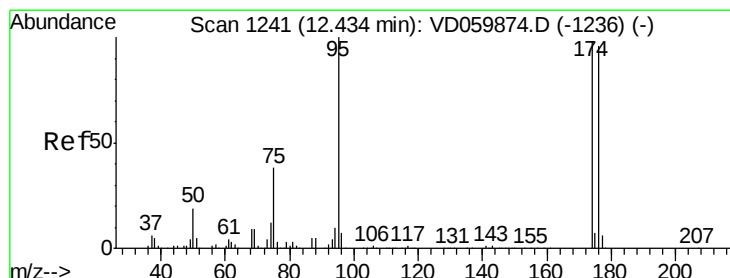
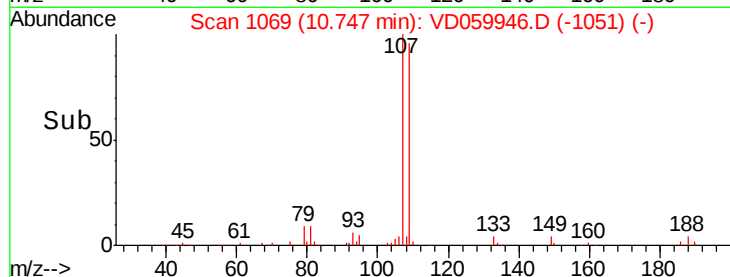
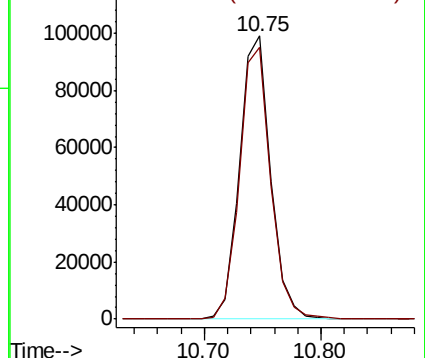
107 100

109 95.8 74.6 112.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 20.28 ug/l

RT: 12.42 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VD059946.D

Acq: 4 Sep 2018 16:00

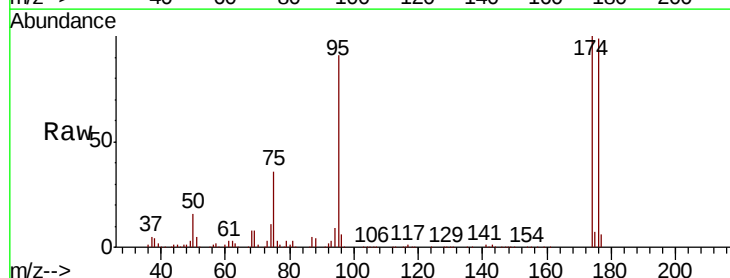
Tgt Ion: 95 Resp: 666241

Ion Ratio Lower Upper

95 100

174 109.5 0.0 195.6

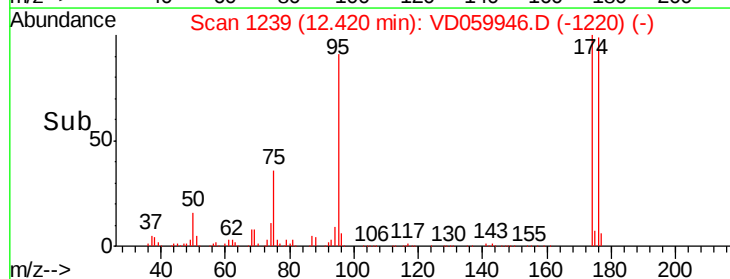
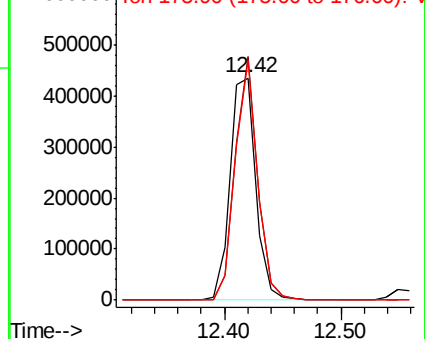
176 107.9 0.0 191.2

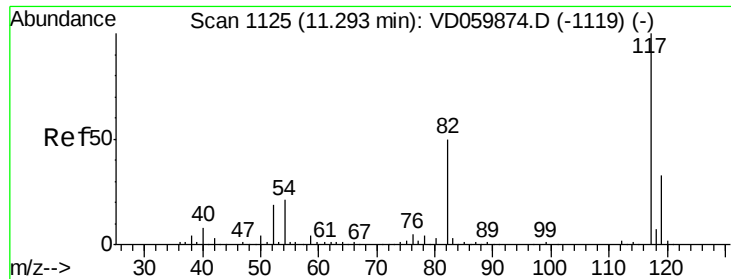


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

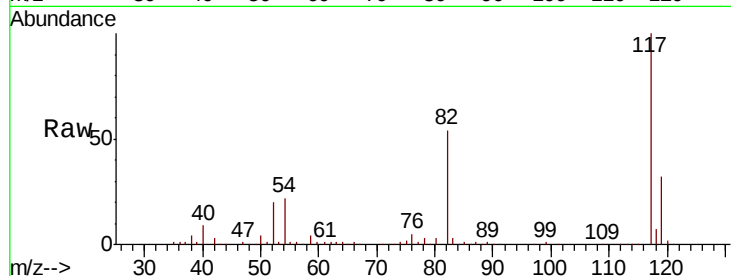




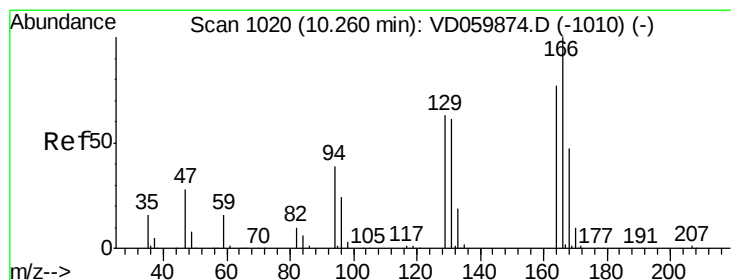
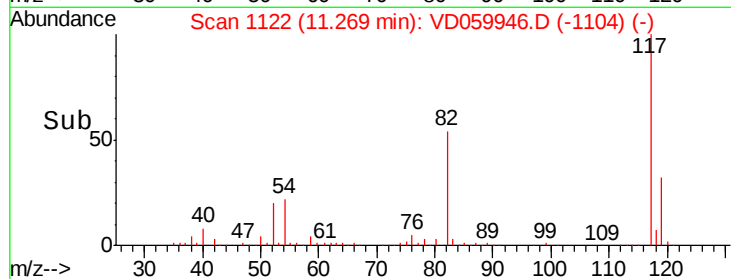
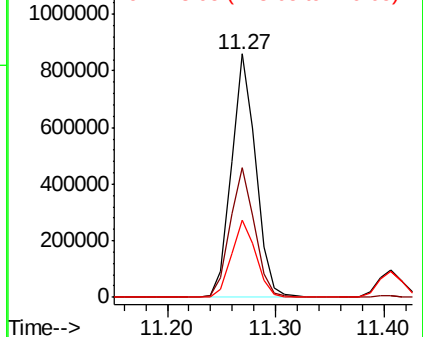
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.27 min Scan# 1122
Delta R.T. -0.02 min
Lab File: VD059946.D
Acq: 4 Sep 2018 16:00

Instrument :
MSVOA_D
ClientSampleId :
VD0904SBSD01

Tot Ion:117 Resp: 1342870
Ion Ratio Lower Upper
117 100
82 53.5 40.1 60.1
119 32.0 26.7 40.1

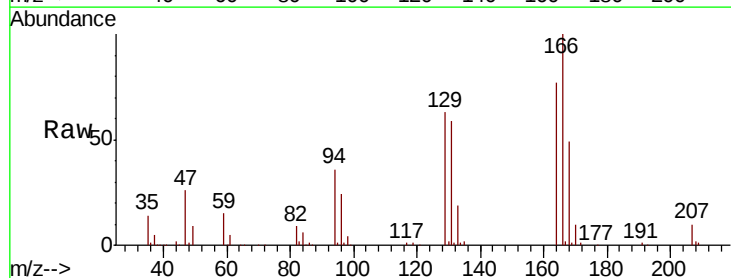


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

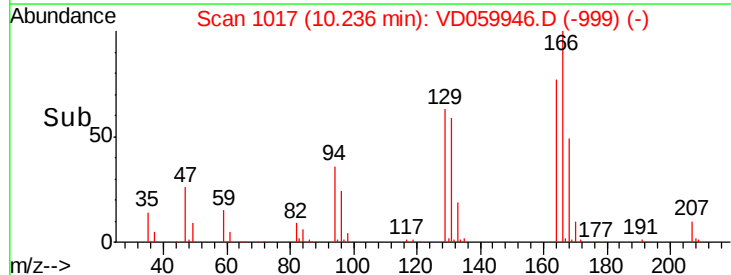
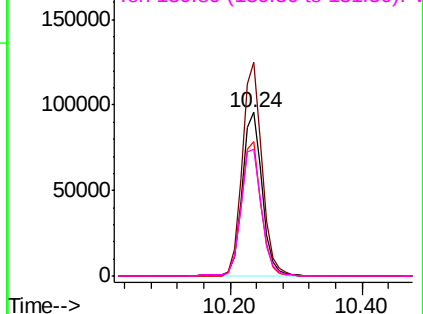


#64
Tetrachloroethene
Concen: 19.57 ug/l
RT: 10.24 min Scan# 1017
Delta R.T. -0.02 min
Lab File: VD059946.D
Acq: 4 Sep 2018 16:00

Tgt Ion:164 Resp: 203218
Ion Ratio Lower Upper
164 100
166 130.7 103.4 155.2
129 82.5 65.2 97.8
131 77.4 63.1 94.7



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

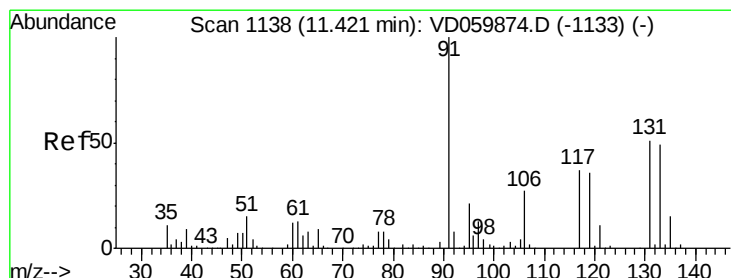
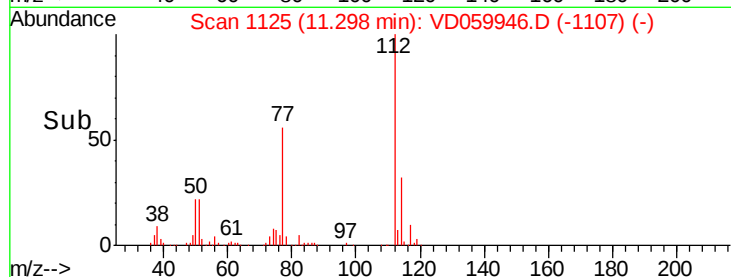
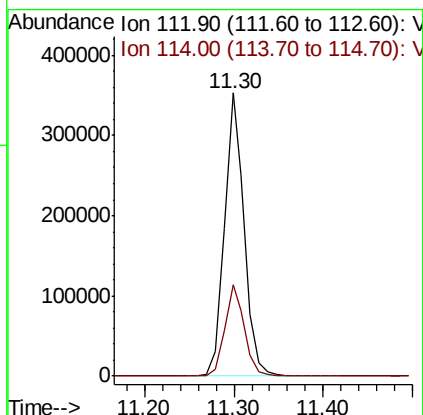
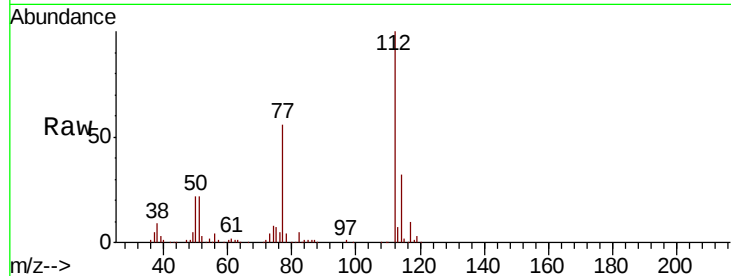




#65
Chlorobenzene
Concen: 20.53 ug/l
RT: 11.30 min Scan# 1125
Delta R.T. -0.02 min
Lab File: VD059946.D
Acq: 4 Sep 2018 16:00

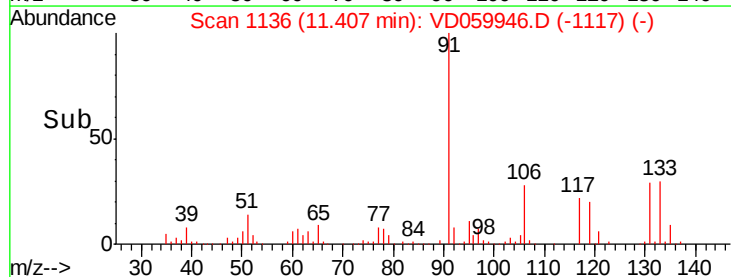
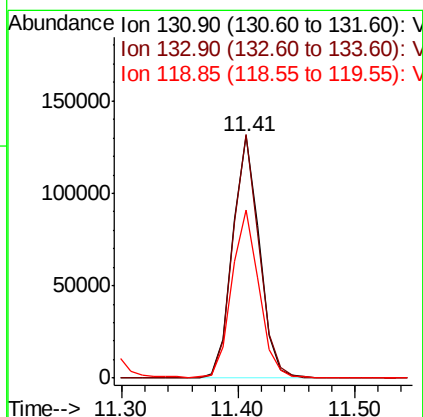
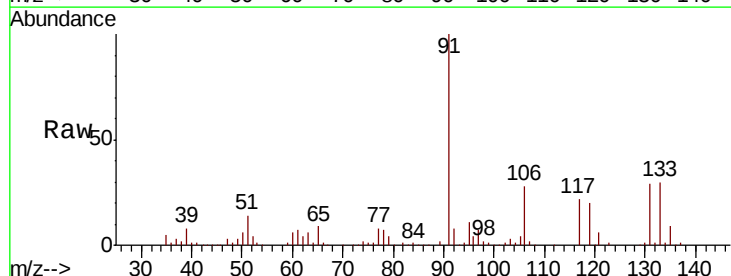
Instrument :
MSVOA_D
ClientSampleId :
VD0904SBSD01

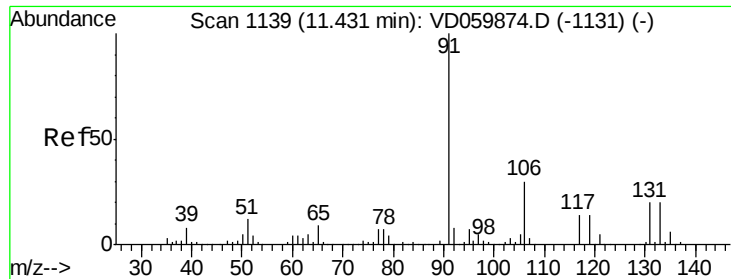
Tot Ion:112 Resp: 547819
Ion Ratio Lower Upper
112 100
114 32.1 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 21.35 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. -0.01 min
Lab File: VD059946.D
Acq: 4 Sep 2018 16:00

Tgt Ion:131 Resp: 208165
Ion Ratio Lower Upper
131 100
133 100.5 48.3 144.8
119 69.6 35.4 106.3

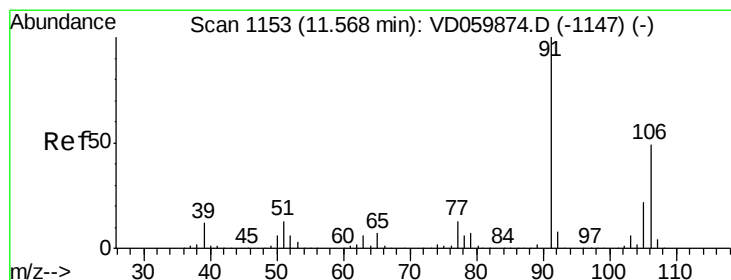
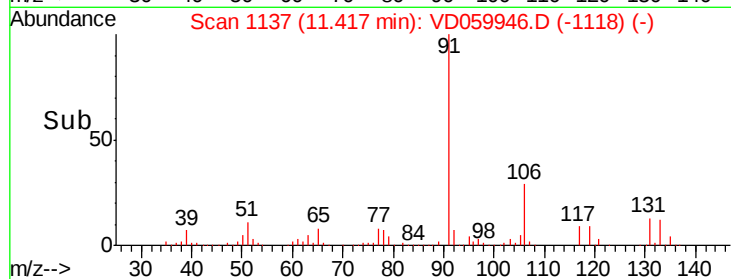
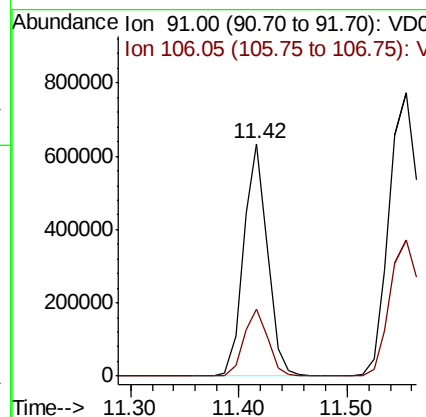
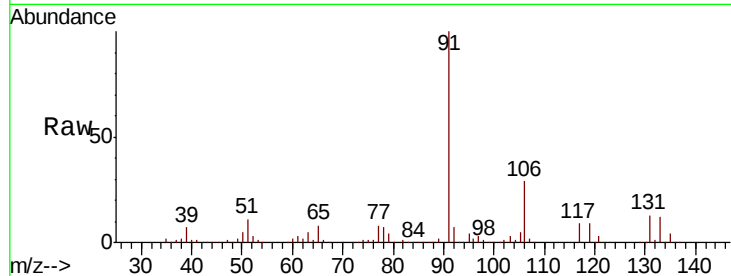




#67
Ethyl Benzene
Concen: 21.47 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. -0.01 min
Lab File: VD059946.D
Acq: 4 Sep 2018 16:00

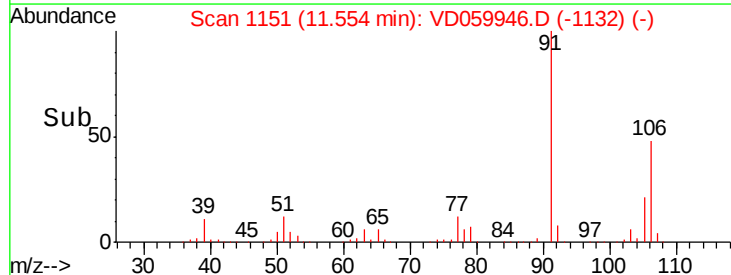
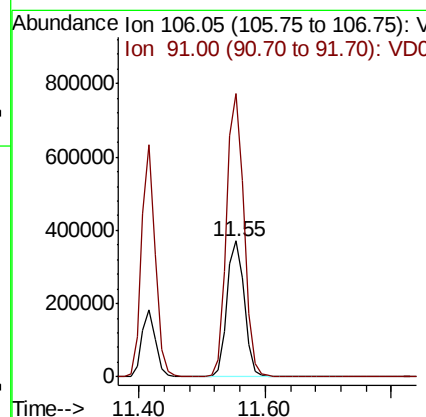
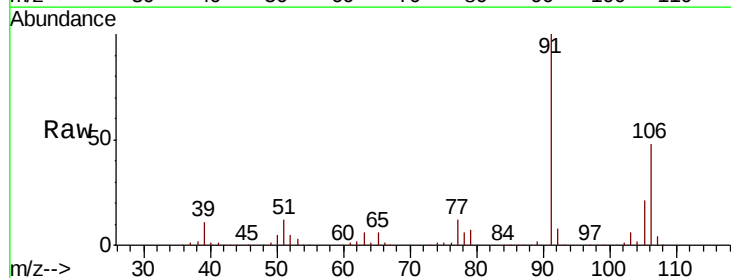
Instrument :
MSVOA_D
ClientSampleId :
VD0904SBS01

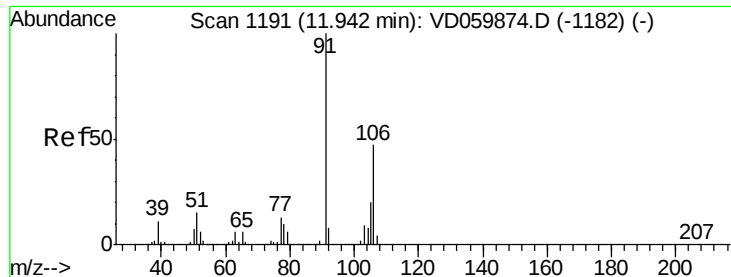
Tot Ion: 91 Resp: 963892
Ion Ratio Lower Upper
91 100
106 29.0 23.8 35.8



#68
m/p-Xylenes
Concen: 43.84 ug/l
RT: 11.55 min Scan# 1151
Delta R.T. -0.01 min
Lab File: VD059946.D
Acq: 4 Sep 2018 16:00

Tgt Ion: 106 Resp: 716639
Ion Ratio Lower Upper
106 100
91 208.5 162.0 243.0

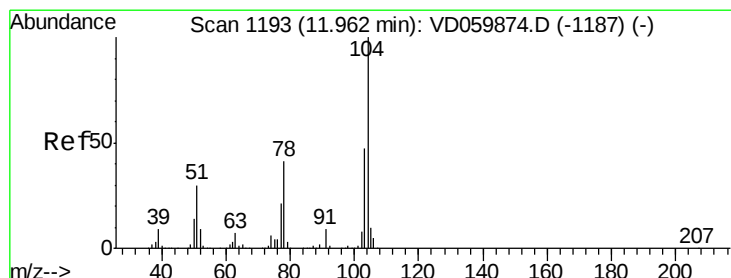
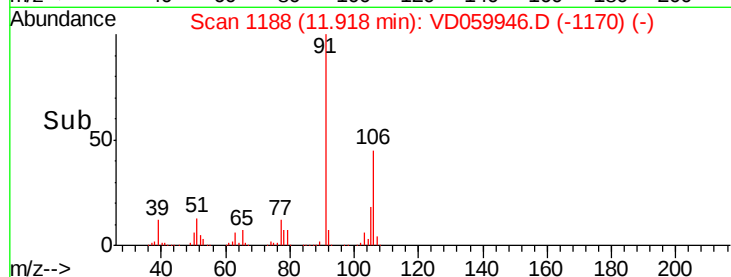
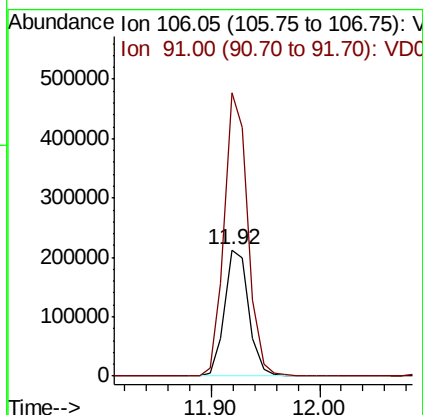
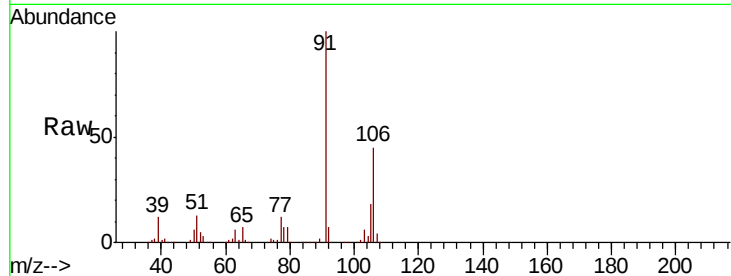




#69
o-Xylene
Concen: 20.83 ug/l
RT: 11.92 min Scan# 1188
Delta R.T. -0.02 min
Lab File: VD059946.D
Acq: 4 Sep 2018 16:00

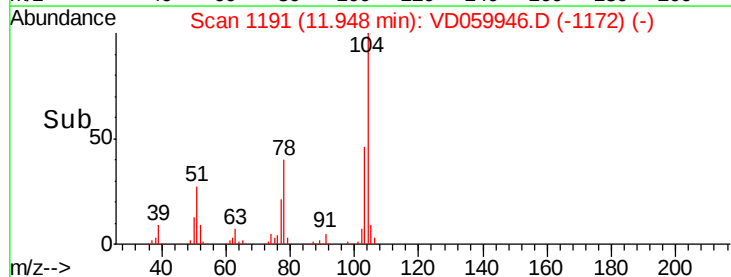
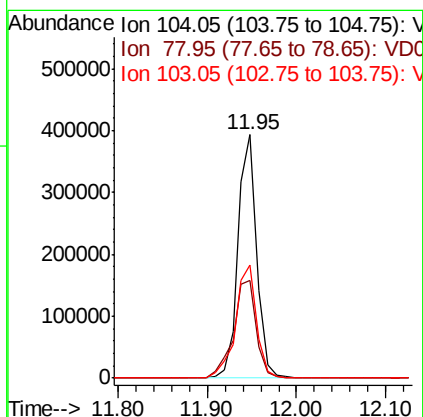
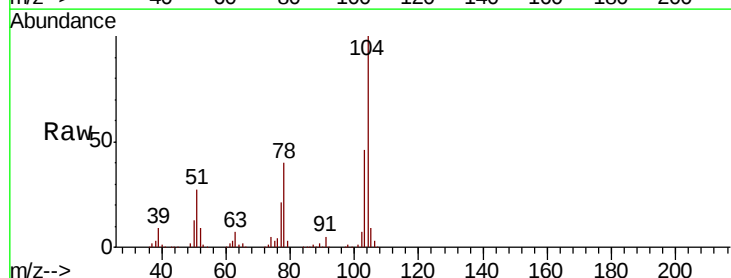
Instrument :
MSVOA_D
ClientSampleId :
VD0904SBSD01

Tot Ion:106 Resp: 333077
Ion Ratio Lower Upper
106 100
91 223.7 107.3 322.0



#70
Styrene
Concen: 20.85 ug/l
RT: 11.95 min Scan# 1191
Delta R.T. -0.01 min
Lab File: VD059946.D
Acq: 4 Sep 2018 16:00

Tgt Ion:104 Resp: 577246
Ion Ratio Lower Upper
104 100
78 39.9 32.6 49.0
103 46.4 37.7 56.5

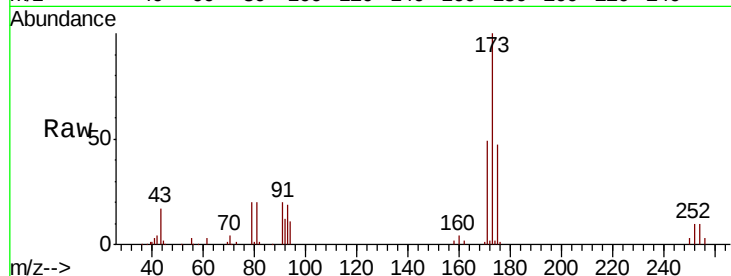




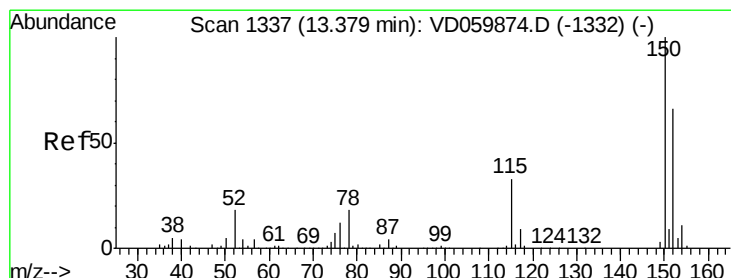
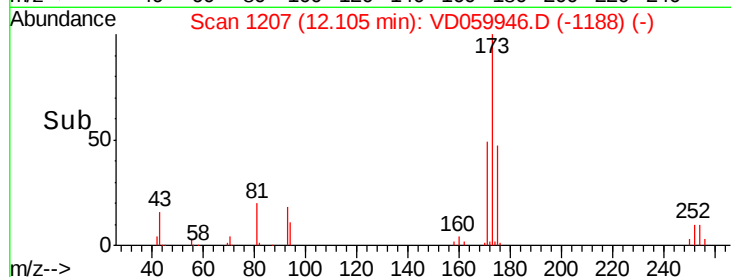
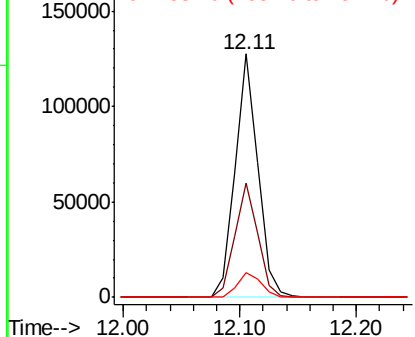
#71
Bromoform
Concen: 20.48 ug/l
RT: 12.11 min Scan# 1207
Delta R.T. -0.01 min
Lab File: VD059946.D
Acq: 4 Sep 2018 16:00

Instrument :
MSVOA_D
ClientSampleId :
VD0904SBSD01

Tot Ion:173 Resp: 172792
Ion Ratio Lower Upper
173 100
175 46.9 24.3 73.0
254 10.2 7.0 10.6

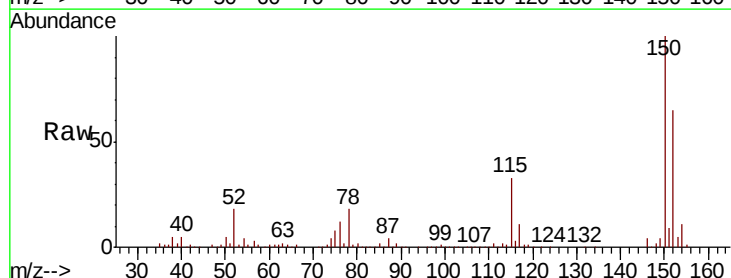


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

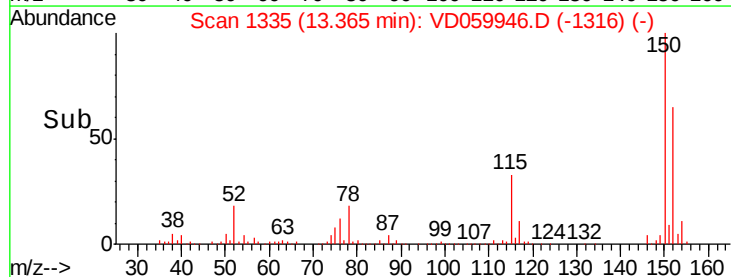
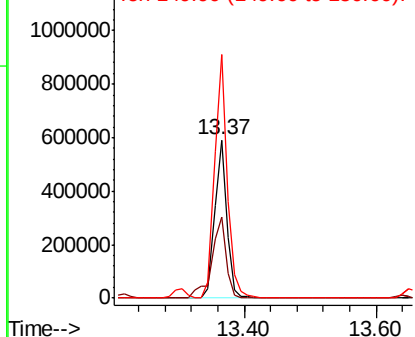


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.37 min Scan# 1335
Delta R.T. -0.01 min
Lab File: VD059946.D
Acq: 4 Sep 2018 16:00

Tgt Ion:152 Resp: 741697
Ion Ratio Lower Upper
152 100
115 51.0 25.7 77.0
150 153.8 0.0 310.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.96 ug/l

RT: 12.26 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD059946.D

Acq: 4 Sep 2018 16:00

Instrument :

MSVOA_D

ClientSampleId :

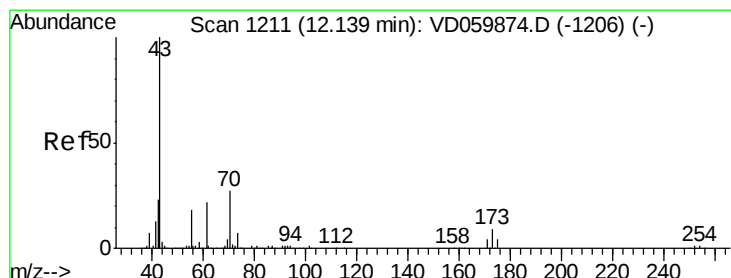
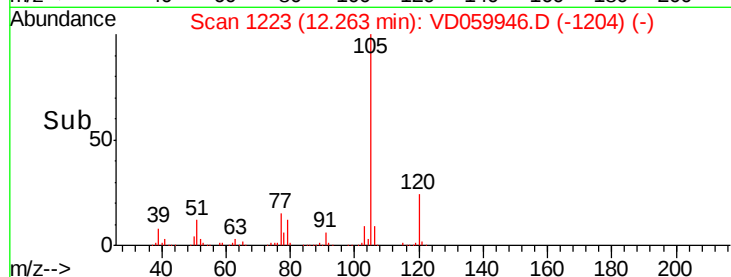
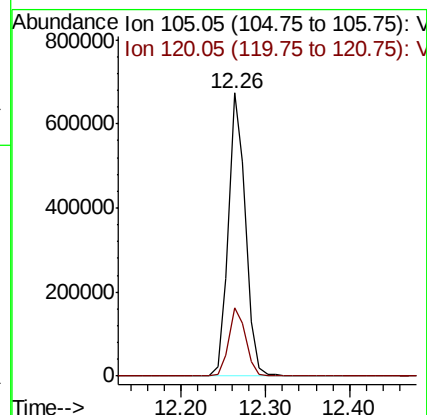
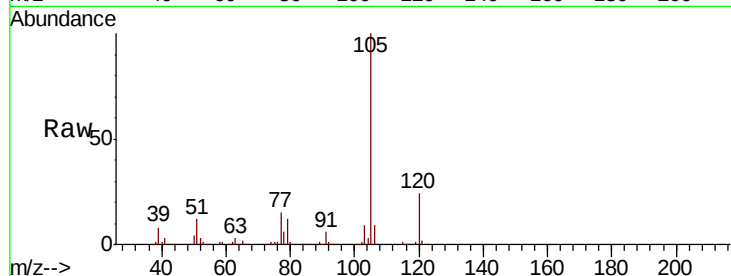
VD0904SBSD01

Tot Ion:105 Resp: 945012

Ion Ratio Lower Upper

105 100

120 23.9 11.8 35.4



#74

N-ethyl acetate

Concen: 19.85 ug/l

RT: 12.13 min Scan# 1209

Delta R.T. -0.01 min

Lab File: VD059946.D

Acq: 4 Sep 2018 16:00

Tgt Ion: 43 Resp: 411443

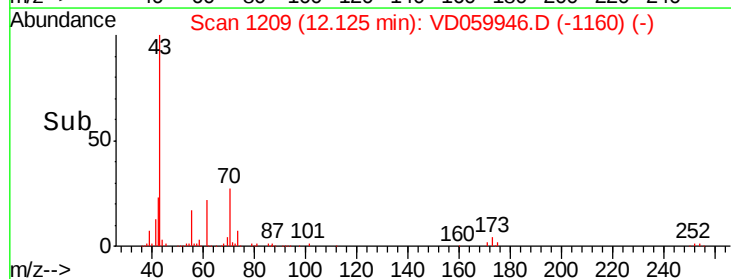
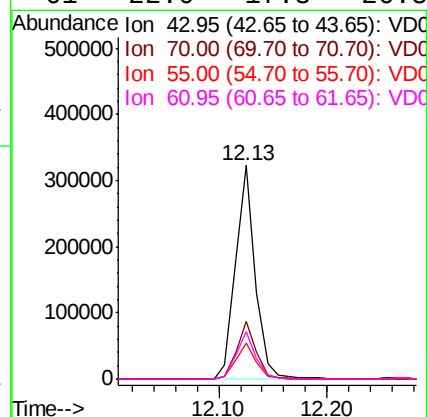
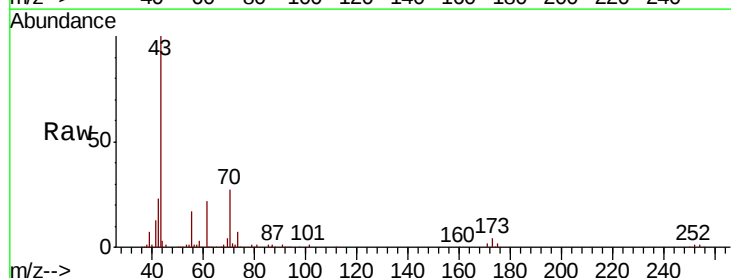
Ion Ratio Lower Upper

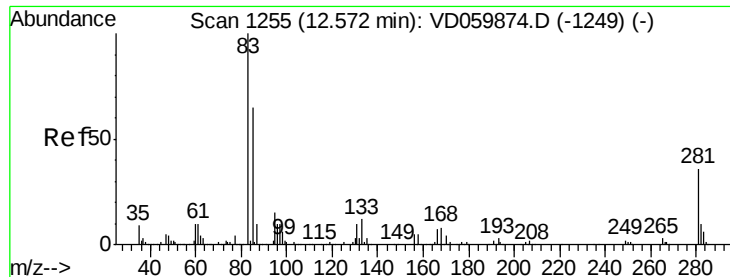
43 100

70 26.7 21.4 32.2

55 16.9 14.1 21.1

61 22.0 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.46 ug/l

RT: 12.55 min Scan# 1252

Delta R.T. -0.02 min

Lab File: VD059946.D

Acq: 4 Sep 2018 16:00

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBSD01

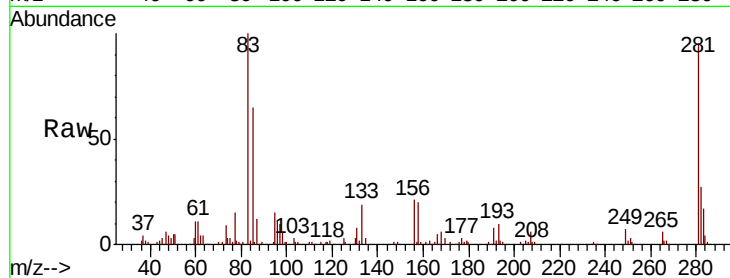
Tot Ion: 83 Resp: 224073

Ion Ratio Lower Upper

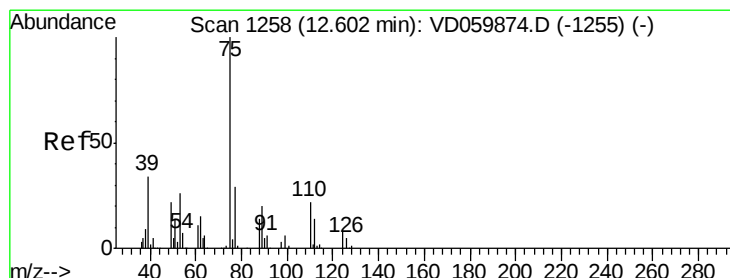
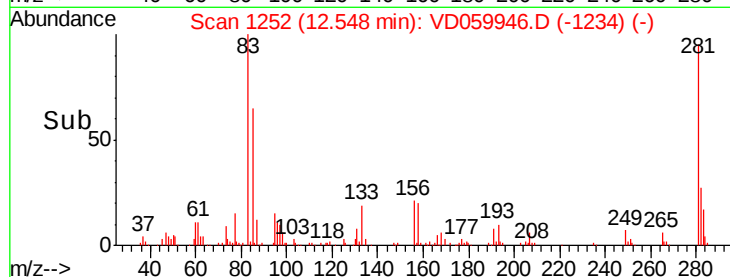
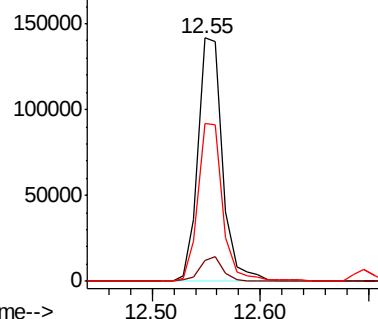
83 100

131 8.3 4.8 14.4

85 65.1 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: 19.91 ug/l

RT: 12.59 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VD059946.D

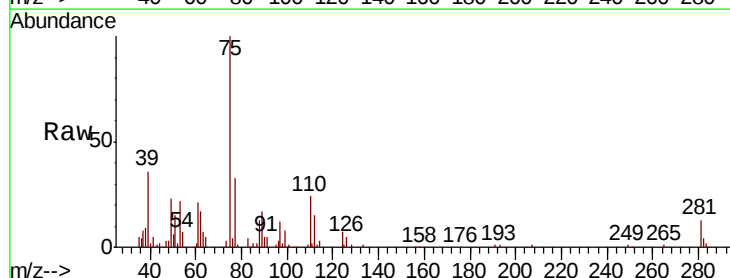
Acq: 4 Sep 2018 16:00

Tgt Ion: 75 Resp: 229519

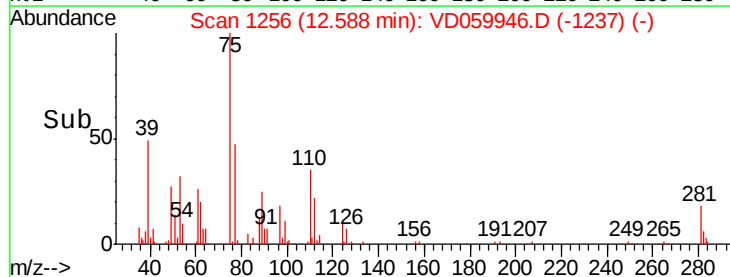
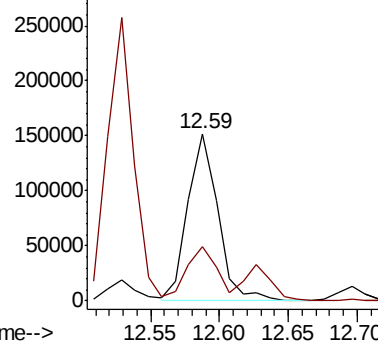
Ion Ratio Lower Upper

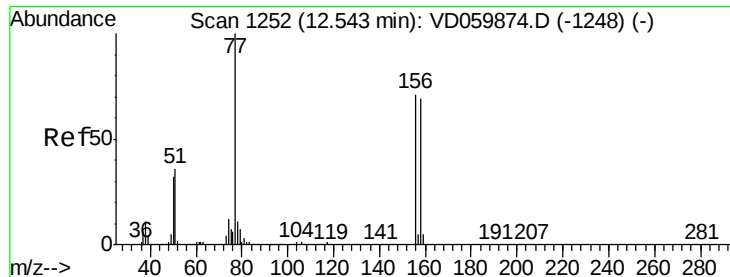
75 100

77 32.7 16.4 49.2



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

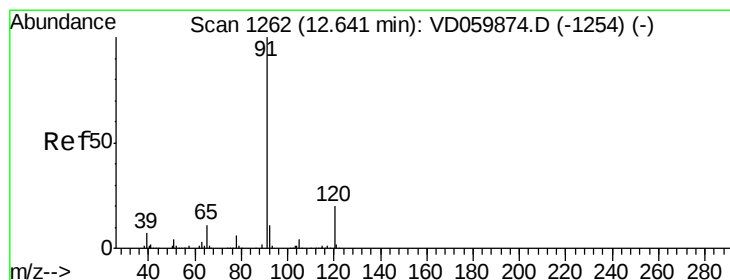
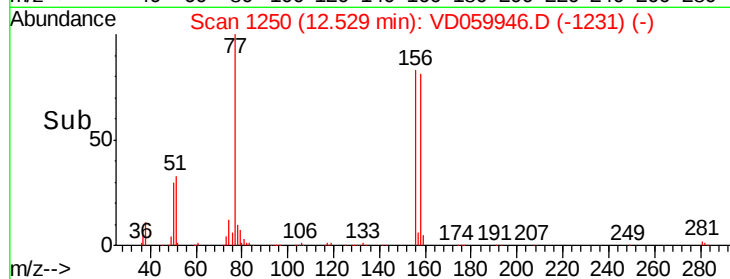
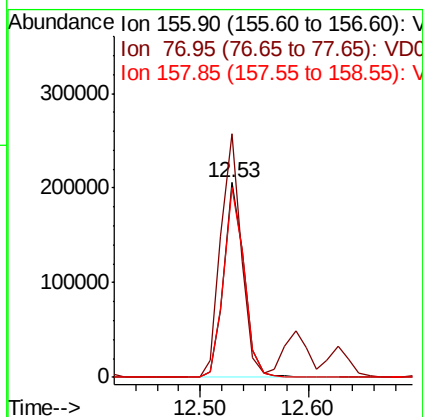
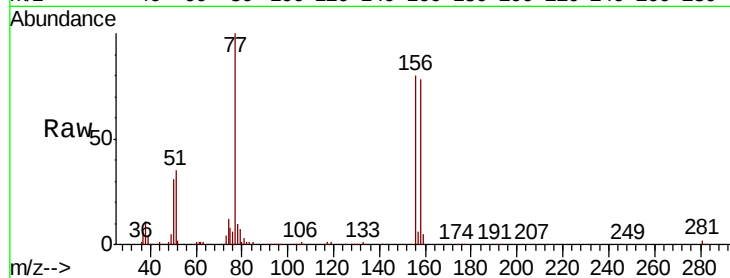




#77
Bromobenzene
Concen: 20.51 ug/l
RT: 12.53 min Scan# 1250
Delta R.T. -0.01 min
Lab File: VD059946.D
Acq: 4 Sep 2018 16:00

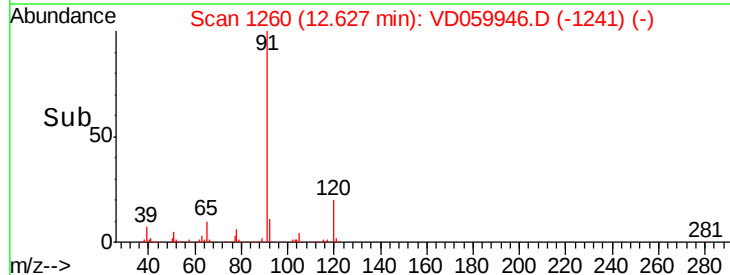
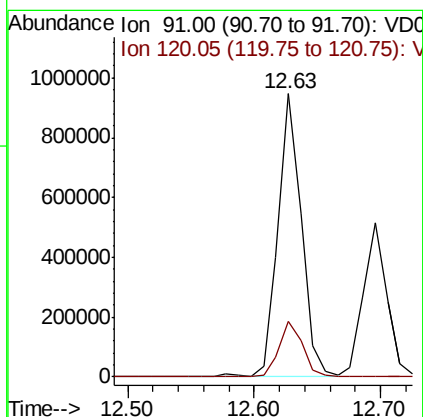
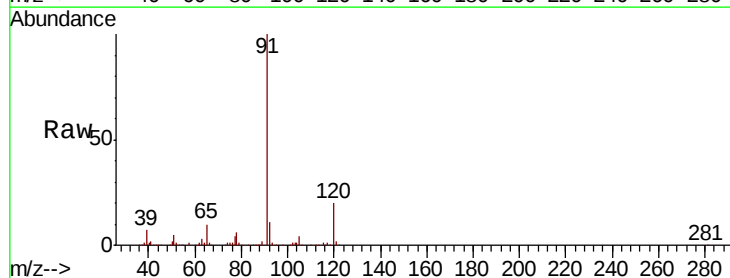
Instrument :
MSVOA_D
ClientSampleId :
VD0904SBSD01

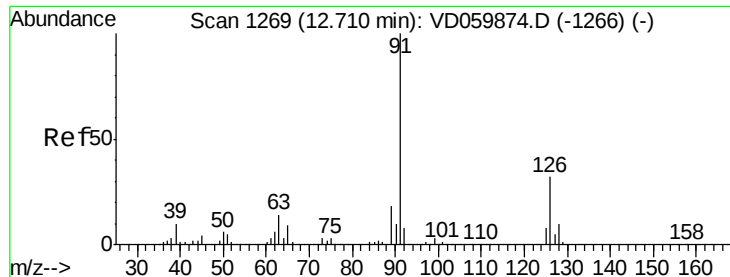
Tot Ion:156 Resp: 269220
Ion Ratio Lower Upper
156 100
77 125.0 70.2 210.4
158 97.7 48.4 145.2



#78
n-propylbenzene
Concen: 20.50 ug/l
RT: 12.63 min Scan# 1260
Delta R.T. -0.01 min
Lab File: VD059946.D
Acq: 4 Sep 2018 16:00

Tgt Ion: 91 Resp: 1228812
Ion Ratio Lower Upper
91 100
120 19.6 10.1 30.3

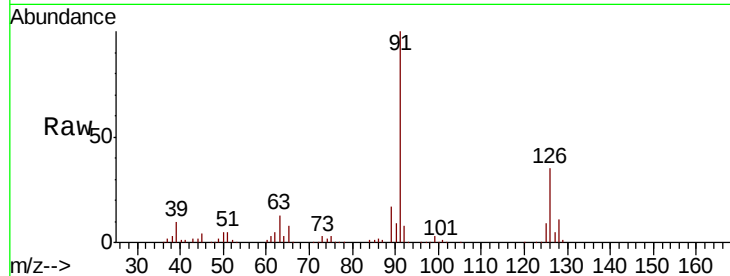




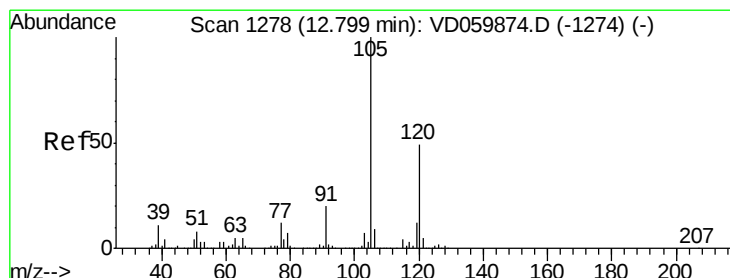
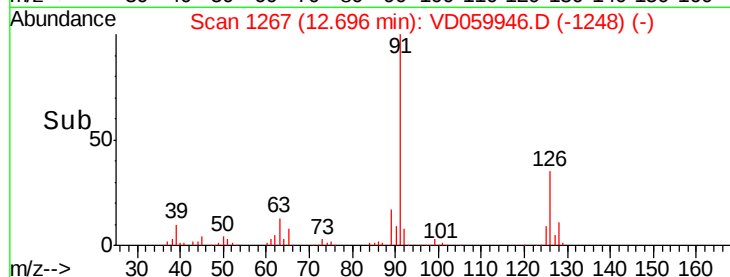
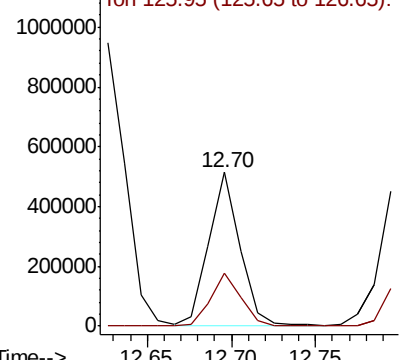
#79
 2-Chlorotoluene
 Concen: 19.61 ug/l
 RT: 12.70 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: VD059946.D
 Acq: 4 Sep 2018 16:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBSD01

Tot Ion: 91 Resp: 665032
 Ion Ratio Lower Upper
 91 100
 126 34.5 16.1 48.2

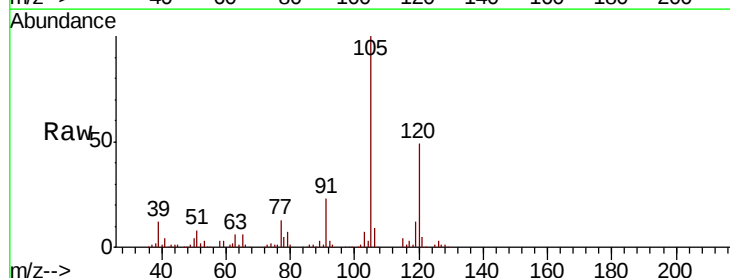


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

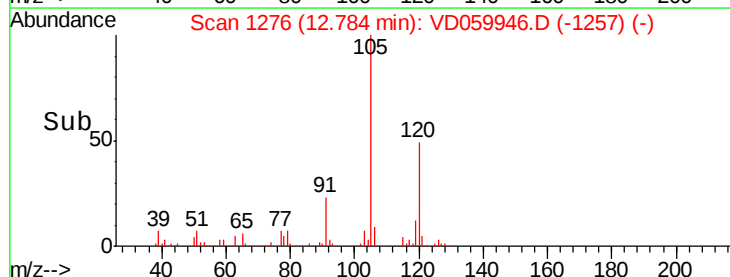
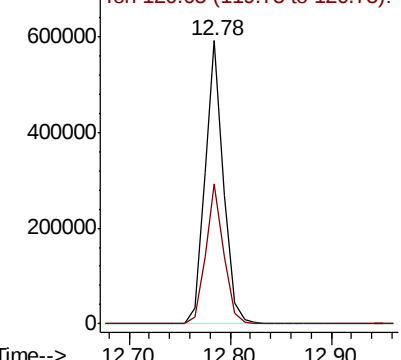


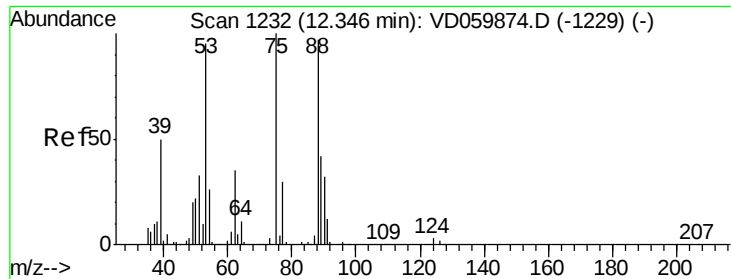
#80
 1,3,5-Trimethylbenzene
 Concen: 19.93 ug/l
 RT: 12.78 min Scan# 1276
 Delta R.T. -0.01 min
 Lab File: VD059946.D
 Acq: 4 Sep 2018 16:00

Tgt Ion: 105 Resp: 750068
 Ion Ratio Lower Upper
 105 100
 120 49.3 24.5 73.5



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





#81

trans-1,4-Dichloro-2-butene

Concen: 18.34 ug/l

RT: 12.33 min Scan# 1230

Delta R.T. -0.01 min

Lab File: VD059946.D

Acq: 4 Sep 2018 16:00

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBSD01

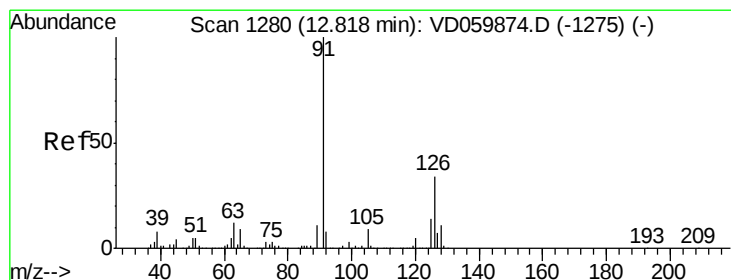
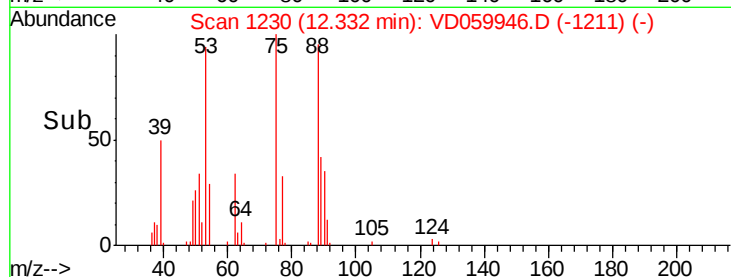
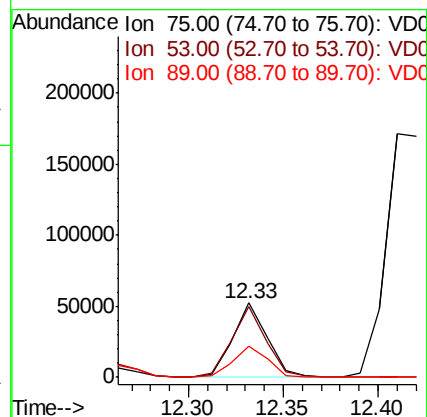
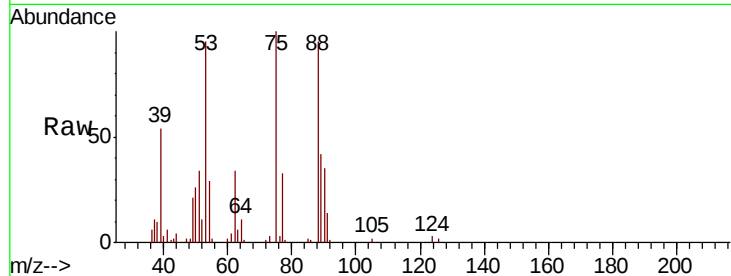
Tot Ion: 75 Resp: 65765

Ion Ratio Lower Upper

75 100

53 95.1 75.8 113.6

89 42.0 33.6 50.4



#82

4-Chlorotoluene

Concen: 19.71 ug/l

RT: 12.80 min Scan# 1278

Delta R.T. -0.01 min

Lab File: VD059946.D

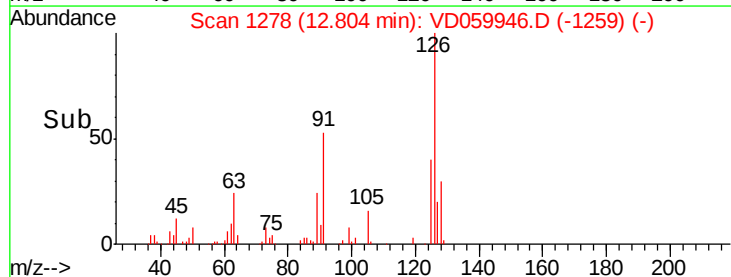
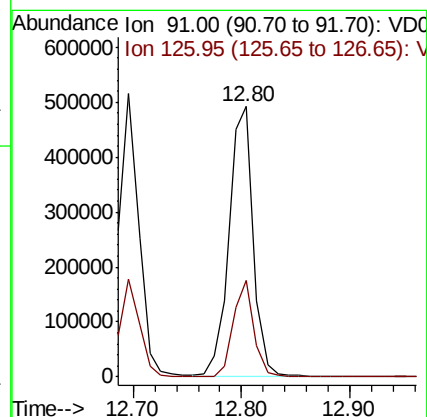
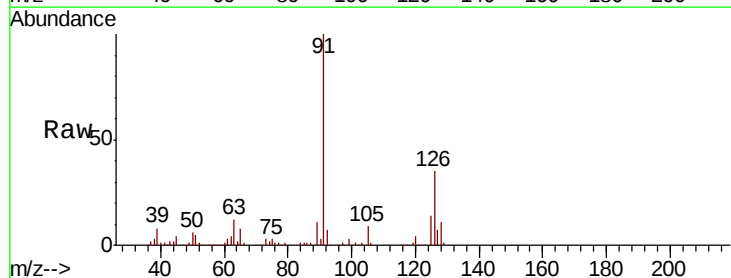
Acq: 4 Sep 2018 16:00

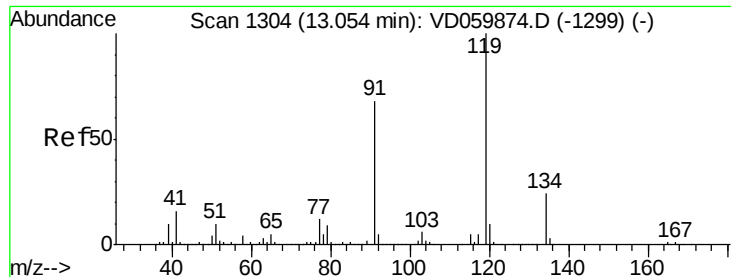
Tgt Ion: 91 Resp: 762395

Ion Ratio Lower Upper

91 100

126 35.5 17.1 51.2

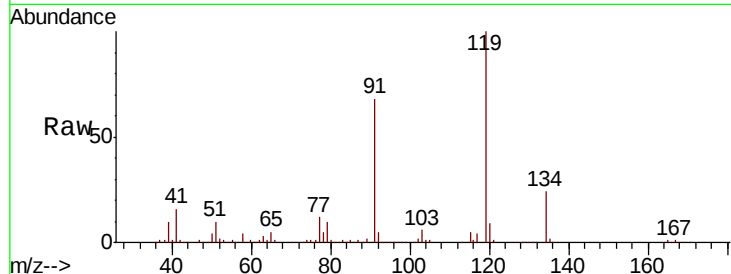




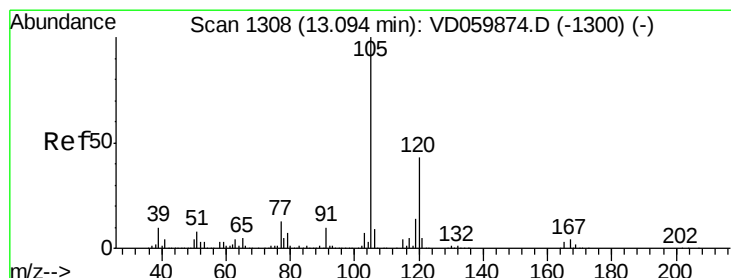
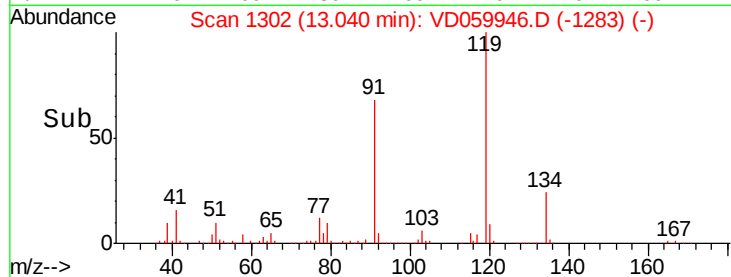
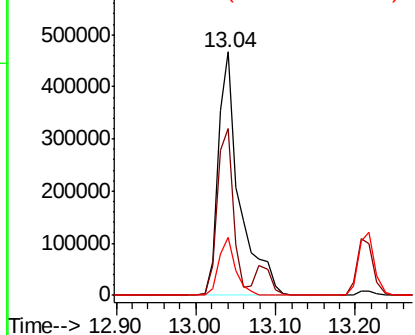
#83
tert-Butylbenzene
Concen: 20.35 ug/l
RT: 13.04 min Scan# 1302
Delta R.T. -0.01 min
Lab File: VD059946.D
Acq: 4 Sep 2018 16:00

Instrument :
MSVOA_D
ClientSampleId :
VD0904SBSD01

Tot Ion:119 Resp: 872562
Ion Ratio Lower Upper
119 100
91 68.3 34.3 102.9
134 23.6 11.9 35.9

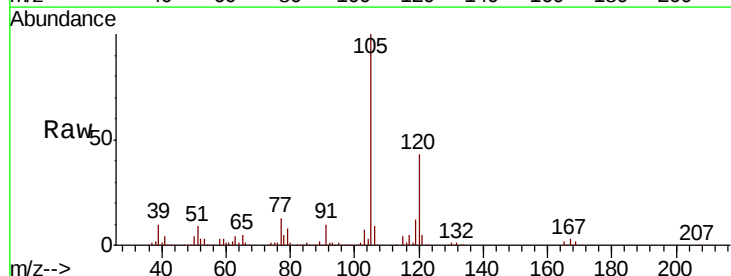


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

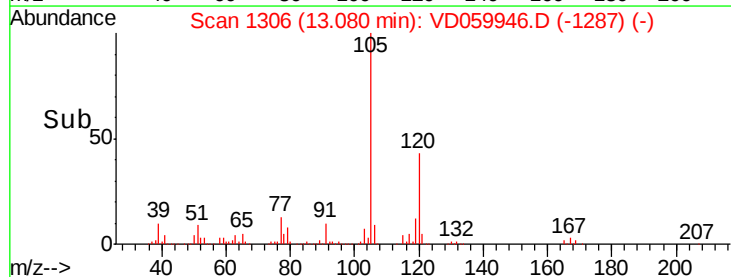
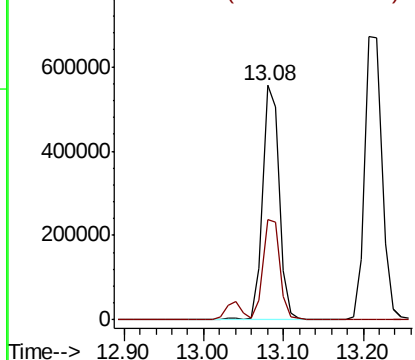


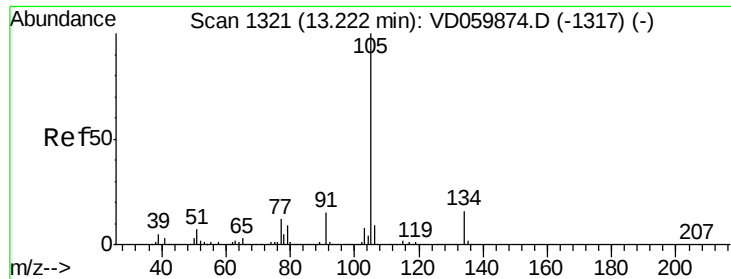
#84
1,2,4-Trimethylbenzene
Concen: 20.22 ug/l
RT: 13.08 min Scan# 1306
Delta R.T. -0.01 min
Lab File: VD059946.D
Acq: 4 Sep 2018 16:00

Tgt Ion:105 Resp: 793145
Ion Ratio Lower Upper
105 100
120 43.0 21.8 65.3



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

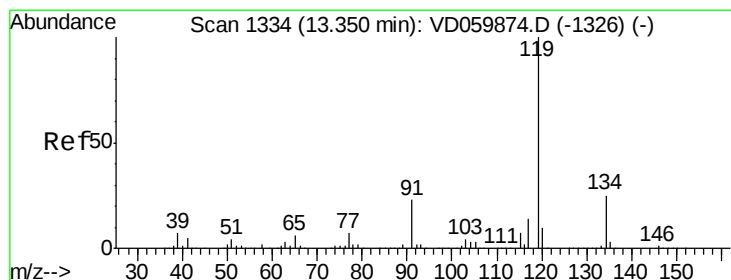
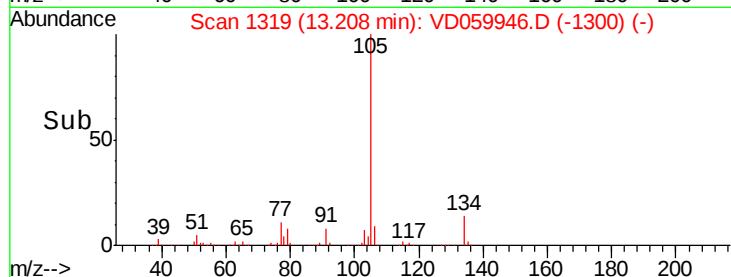
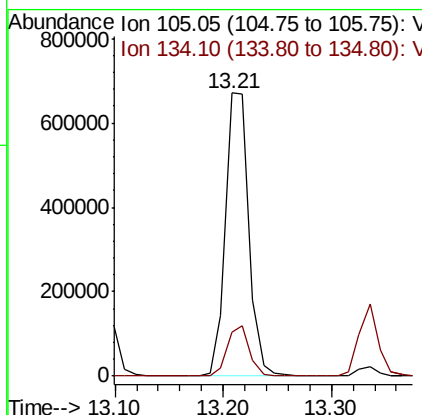
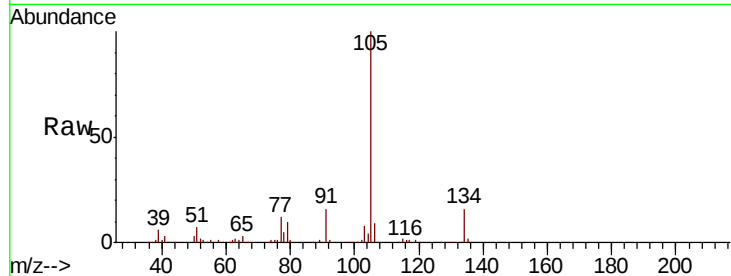




#85
 sec-Butylbenzene
 Concen: 20.03 ug/l
 RT: 13.21 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: VD059946.D
 Acq: 4 Sep 2018 16:00

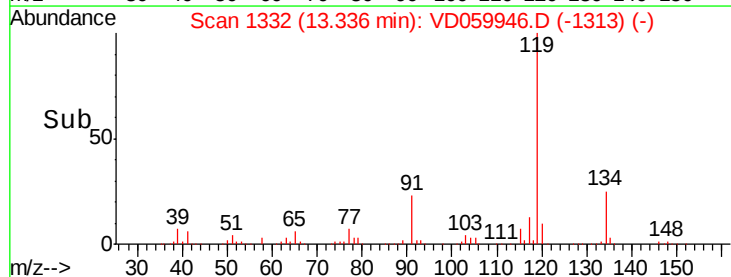
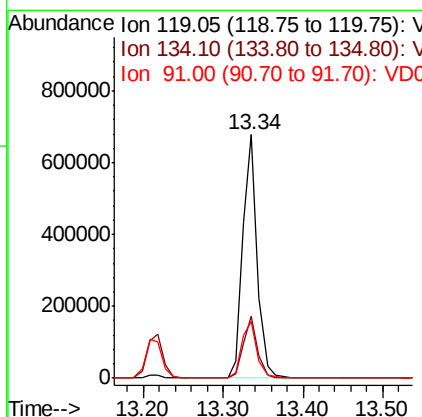
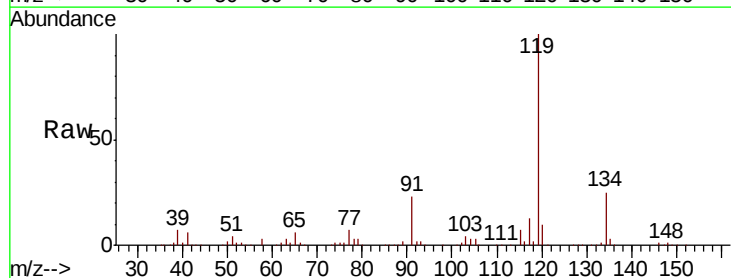
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBSD01

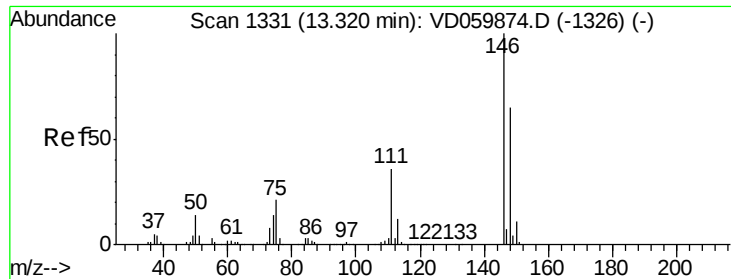
Tot Ion:105 Resp: 1009817
 Ion Ratio Lower Upper
 105 100
 134 15.6 8.2 24.4



#86
 p-Isopropyltoluene
 Concen: 20.58 ug/l
 RT: 13.34 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD059946.D
 Acq: 4 Sep 2018 16:00

Tgt Ion:119 Resp: 844154
 Ion Ratio Lower Upper
 119 100
 134 25.3 12.7 38.1
 91 23.1 11.7 35.0

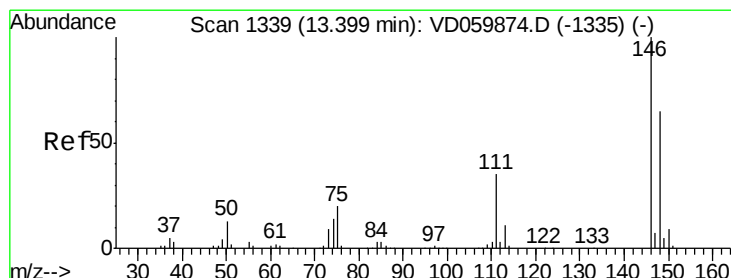
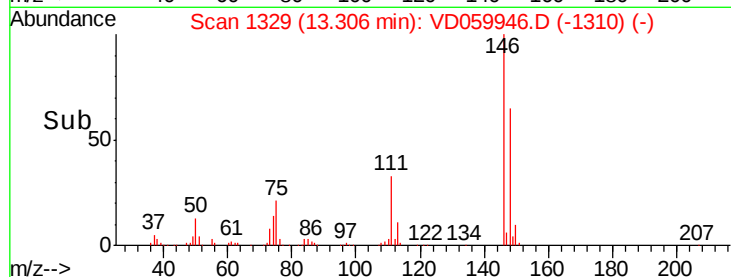
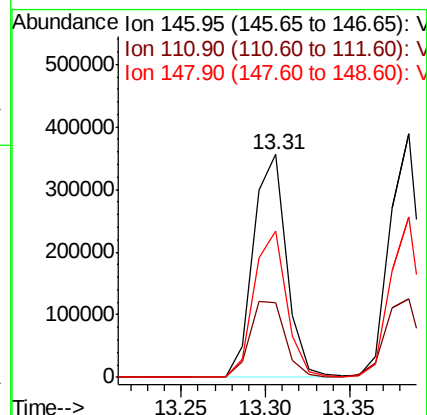
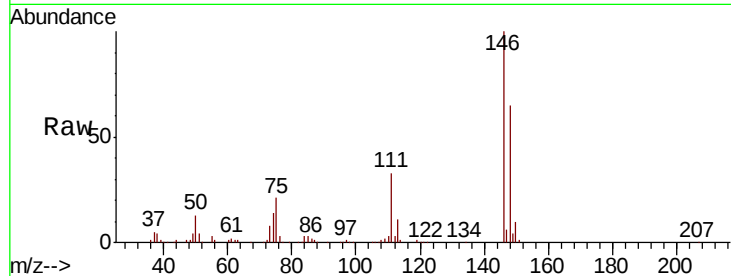




#87
 1,3-Dichlorobenzene
 Concen: 20.80 ug/l
 RT: 13.31 min Scan# 1329
 Delta R.T. -0.01 min
 Lab File: VD059946.D
 Acq: 4 Sep 2018 16:00

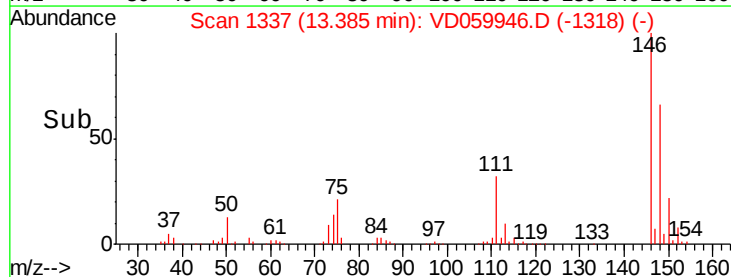
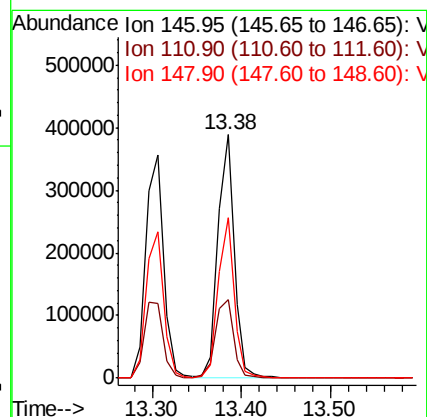
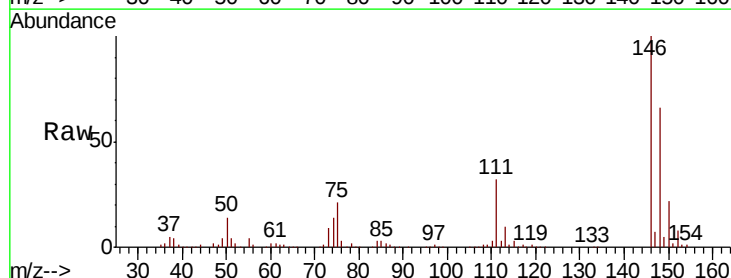
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBS01

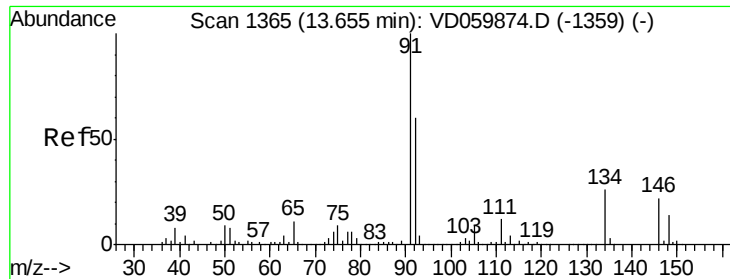
Tot Ion:146 Resp: 487436
 Ion Ratio Lower Upper
 146 100
 111 33.4 17.9 53.7
 148 65.5 32.4 97.0



#88
 1,4-Dichlorobenzene
 Concen: 21.26 ug/l
 RT: 13.38 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: VD059946.D
 Acq: 4 Sep 2018 16:00

Tgt Ion:146 Resp: 497184
 Ion Ratio Lower Upper
 146 100
 111 32.4 17.5 52.6
 148 65.7 32.5 97.5





#89

n-Butylbenzene

Concen: 19.34 ug/l

RT: 13.64 min Scan# 1363

Delta R.T. -0.01 min

Lab File: VD059946.D

Acq: 4 Sep 2018 16:00

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBSD01

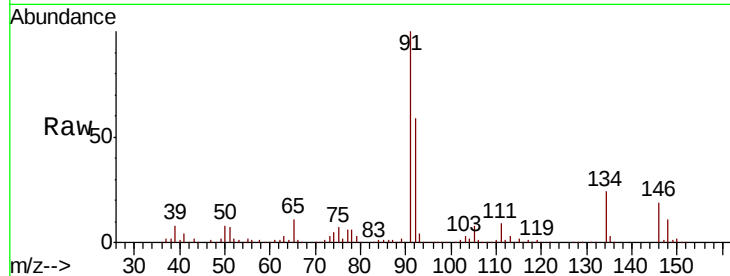
Tot Ion: 91 Resp: 861716

Ion Ratio Lower Upper

91 100

92 58.5 30.0 90.1

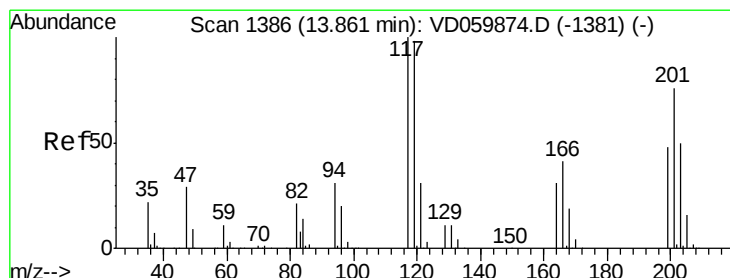
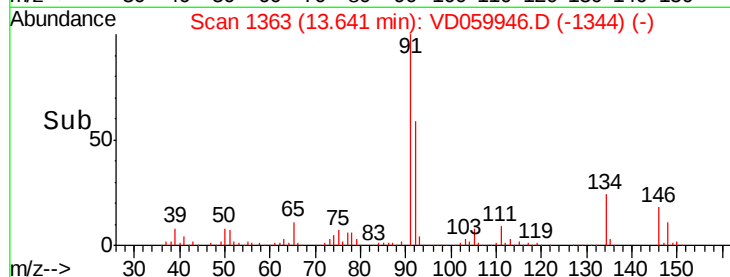
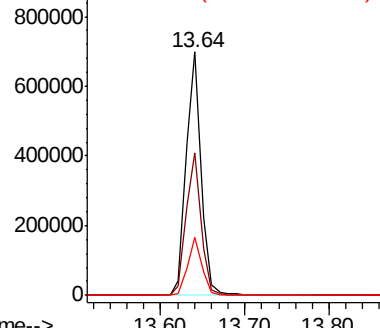
134 24.0 12.8 38.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 18.11 ug/l

RT: 13.85 min Scan# 1384

Delta R.T. -0.01 min

Lab File: VD059946.D

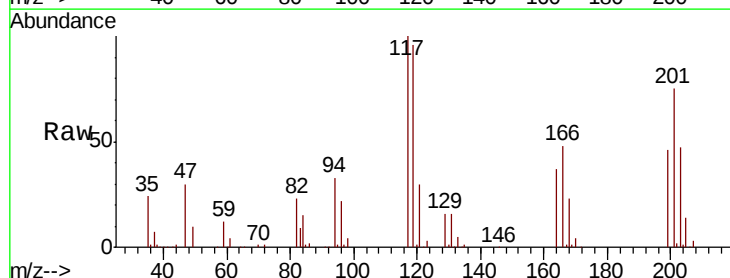
Acq: 4 Sep 2018 16:00

Tgt Ion: 117 Resp: 199416

Ion Ratio Lower Upper

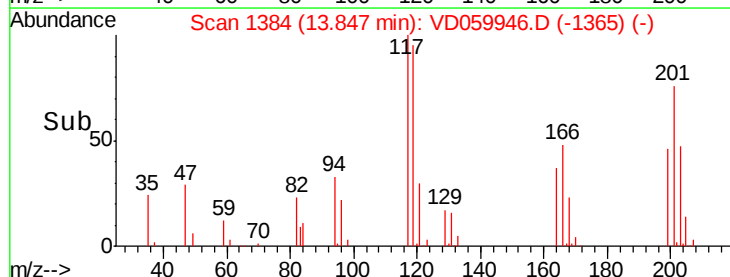
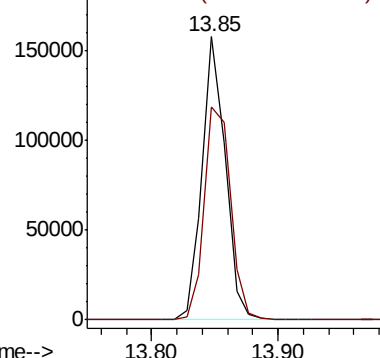
117 100

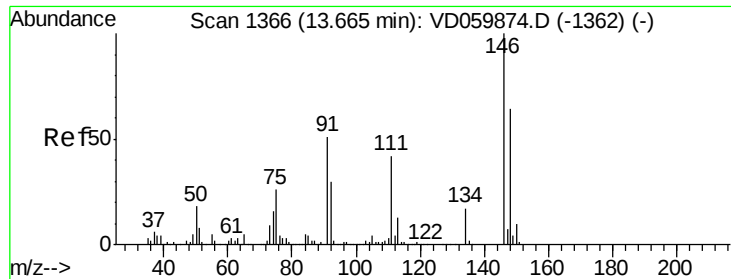
201 75.4 38.1 114.5



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC





#91

1,2-Dichlorobenzene

Concen: 21.92 ug/l

RT: 13.65 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD059946.D

Acq: 4 Sep 2018 16:00

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBSD01

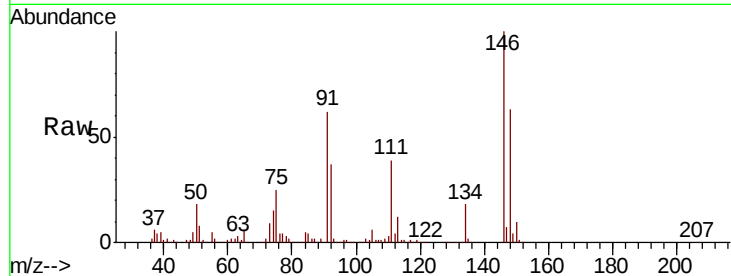
Tot Ion:146 Resp: 436717

Ion Ratio Lower Upper

146 100

111 38.5 21.1 63.1

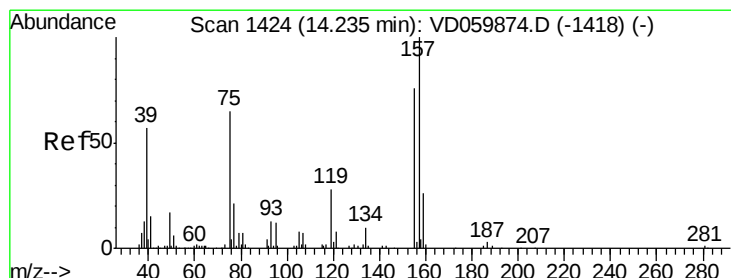
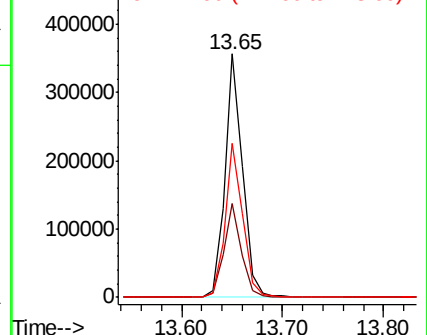
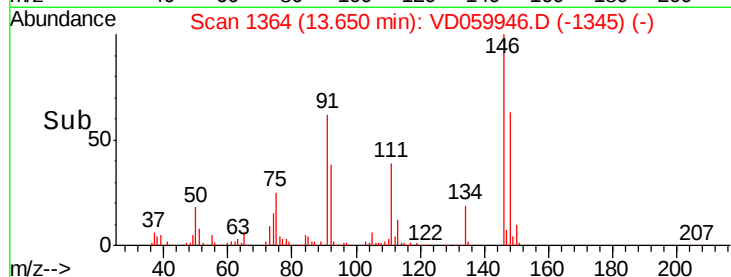
148 63.3 32.2 96.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.69 ug/l

RT: 14.22 min Scan# 1422

Delta R.T. -0.01 min

Lab File: VD059946.D

Acq: 4 Sep 2018 16:00

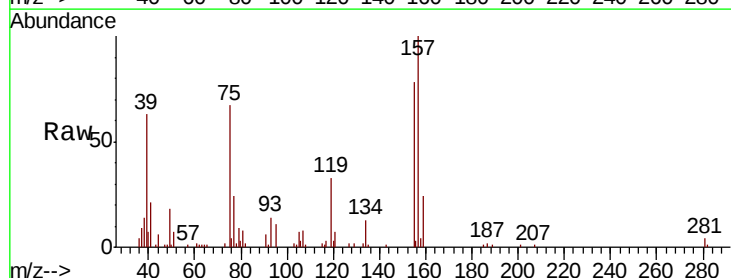
Tgt Ion: 75 Resp: 33153

Ion Ratio Lower Upper

75 100

155 115.5 58.2 174.6

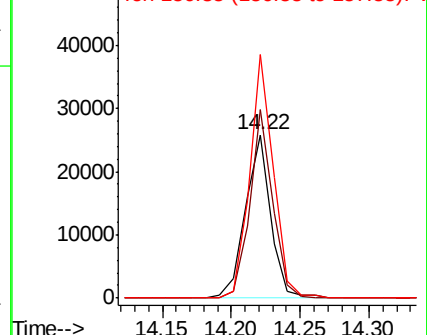
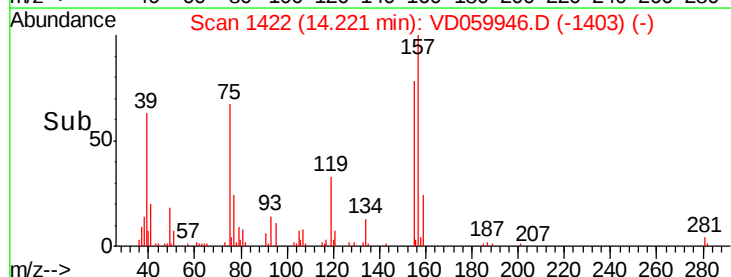
157 148.9 76.8 230.4

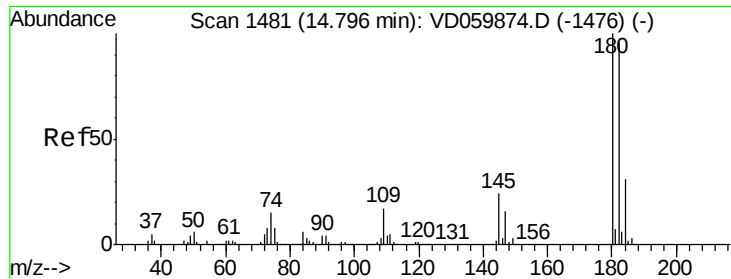


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

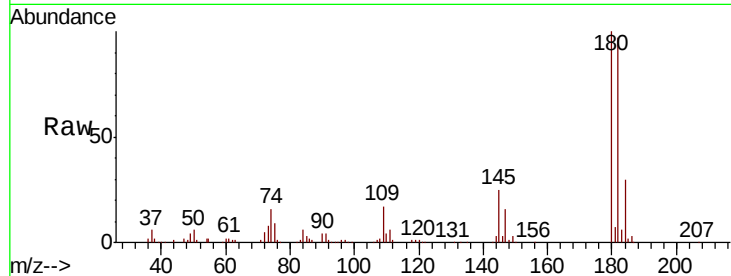




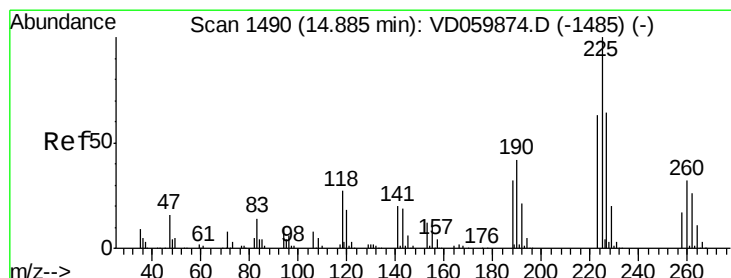
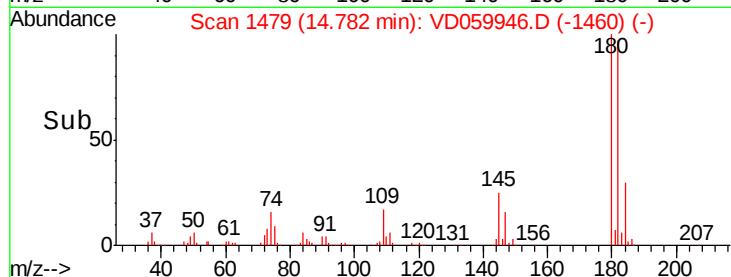
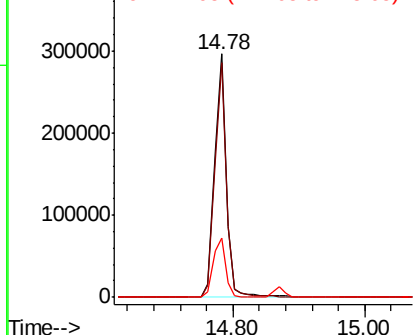
#93
 1,2,4-Trichlorobenzene
 Concen: 21.20 ug/l
 RT: 14.78 min Scan# 1479
 Delta R.T. -0.01 min
 Lab File: VD059946.D
 Acq: 4 Sep 2018 16:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBSD01

Tot Ion:180 Resp: 361674
 Ion Ratio Lower Upper
 180 100
 182 96.5 47.9 143.7
 145 24.6 12.2 36.4

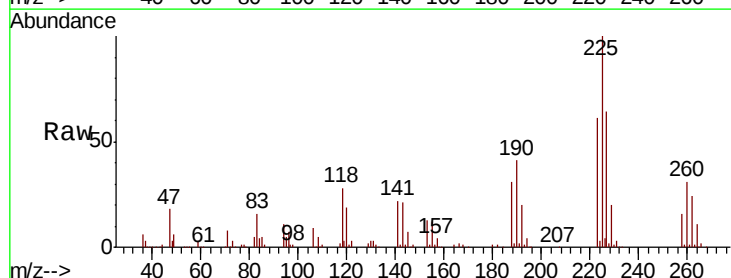


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

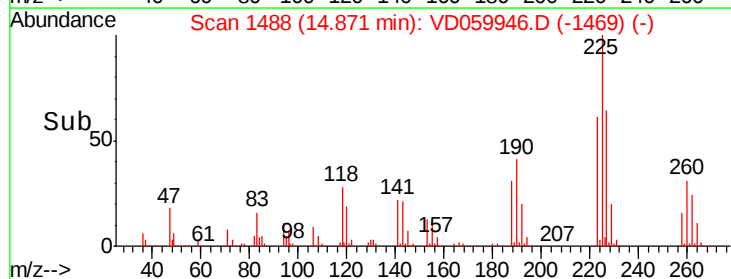
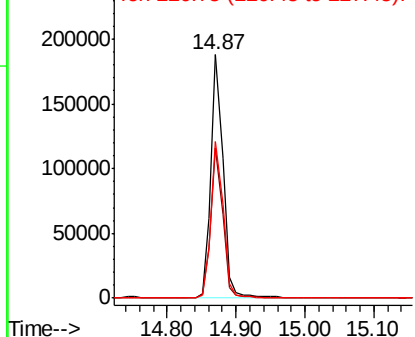


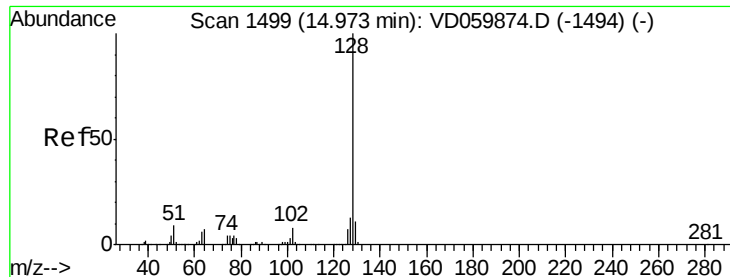
#94
 Hexachlorobutadiene
 Concen: 20.84 ug/l
 RT: 14.87 min Scan# 1488
 Delta R.T. -0.01 min
 Lab File: VD059946.D
 Acq: 4 Sep 2018 16:00

Tgt Ion:225 Resp: 233098
 Ion Ratio Lower Upper
 225 100
 223 61.4 31.6 94.8
 227 64.2 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

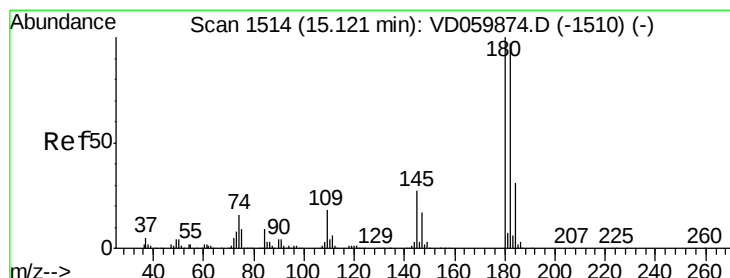
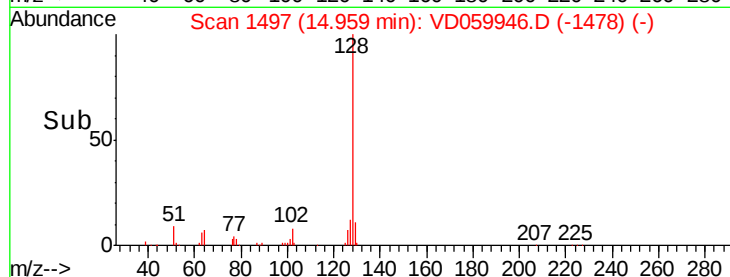
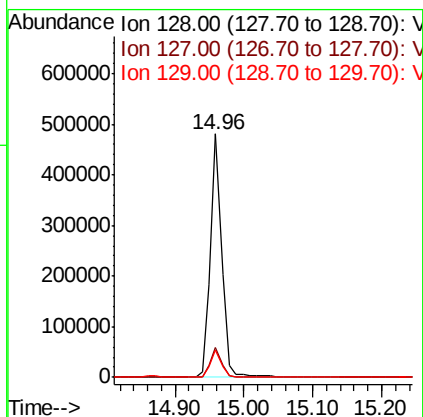
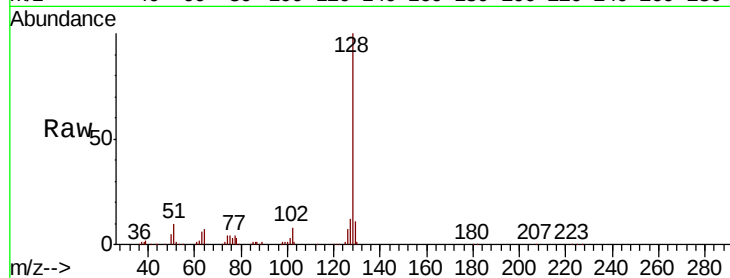




#95
Naphthalene
Concen: 21.19 ug/l
RT: 14.96 min Scan# 1497
Delta R.T. -0.01 min
Lab File: VD059946.D
Acq: 4 Sep 2018 16:00

Instrument :
MSVOA_D
ClientSampleId :
VD0904SBSD01

Tot Ion:128 Resp: 552622
Ion Ratio Lower Upper
128 100
127 12.5 10.0 15.0
129 11.2 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 21.33 ug/l
RT: 15.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VD059946.D
Acq: 4 Sep 2018 16:00

Tgt Ion:180 Resp: 311203
Ion Ratio Lower Upper
180 100
182 95.7 48.6 145.8
145 26.5 13.6 40.8

