

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090418\
 Data File : VD059945.D
 Acq On : 4 Sep 2018 15:31
 Operator : JC/SY
 Sample : VD0904SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBS01

Quant Time: Sep 05 03:52:05 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	6.37	168	1258572	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.42	114	1687977	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.27	117	1416950	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	748558	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.76	65	489515	46.15	ug/l	-0.04
Spiked Amount			Recovery	=	92.30%	
35) Dibromofluoromethane	6.29	113	641352	48.46	ug/l	-0.04
Spiked Amount			Recovery	=	96.92%	
50) Toluene-d8	9.43	98	1740169	47.38	ug/l	-0.03
Spiked Amount			Recovery	=	94.76%	
62) 4-Bromofluorobenzene	12.42	95	720470	48.30	ug/l	-0.02
Spiked Amount			Recovery	=	96.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	183423	16.30	ug/l	100
3) Chloromethane	1.74	50	164656	16.16	ug/l	98
4) Vinyl Chloride	1.83	62	134762	16.86	ug/l	100
5) Bromomethane	2.11	94	11891	8.62	ug/l	80
6) Chloroethane	2.21	64	32831	11.37	ug/l	97
7) Trichlorofluoromethane	2.47	101	162270	17.55	ug/l	96
8) Diethyl Ether	2.79	74	35881	17.30	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.05	101	115003	20.31	ug/l	96
10) Methyl Iodide	3.20	142	85427	16.65	ug/l	98
11) Tert butyl alcohol	3.95	59	78493	96.98	ug/l	96
12) 1,1-Dichloroethene	3.03	96	82334	18.68	ug/l	91
13) Acrolein	2.95	56	19609	55.86	ug/l	99
14) Allyl chloride	3.49	41	201280	20.19	ug/l	95
15) Acrylonitrile	4.05	53	298246	98.40	ug/l	99
16) Acetone	3.13	43	176922	91.54	ug/l	98
17) Carbon Disulfide	3.27	76	203967	14.91	ug/l	97
18) Methyl Acetate	3.52	43	73384	18.19	ug/l	95
19) Methyl tert-butyl Ether	4.09	73	477827	19.16	ug/l	100
20) Methylene Chloride	3.68	84	386539	28.36	ug/l	95
21) trans-1,2-Dichloroethene	4.05	96	222928	18.36	ug/l	96
22) Diisopropyl ether	4.82	45	974309	19.16	ug/l	98
23) Vinyl Acetate	4.77	43	2807728	98.77	ug/l	99
24) 1,1-Dichloroethane	4.72	63	407298	18.54	ug/l	100
25) 2-Butanone	5.60	43	495704	86.60	ug/l	99
26) 2,2-Dichloropropane	5.55	77	362789	19.75	ug/l	96
27) cis-1,2-Dichloroethene	5.56	96	266824	20.07	ug/l	98
28) Bromochloromethane	5.89	49	210051	19.95	ug/l	95
29) Tetrahydrofuran	5.93	42	262072	96.17	ug/l	98
30) Chloroform	6.07	83	458393	20.53	ug/l	98
31) Cyclohexane	6.33	56	345924	17.13	ug/l	100
32) 1,1,1-Trichloroethane	6.26	97	362527	19.13	ug/l	100
36) 1,1-Dichloropropene	6.49	75	303121	19.81	ug/l	99
37) Ethyl Acetate	5.66	43	238511	20.03	ug/l	98
38) Carbon Tetrachloride	6.46	117	308893	20.00	ug/l	99

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Instrument :
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	8.02	83	307724	18.61	ug/l	96
40) Benzene	6.77	78	808319	20.32	ug/l	98
41) Methacrylonitrile	5.92	41	275584	45.95	ug/l #	77
42) 1,2-Dichloroethane	6.87	62	254903	19.96	ug/l	97
43) Isopropyl Acetate	8.33	43	313574	20.24	ug/l	100
44) Trichloroethene	7.71	130	241563	20.62	ug/l	98
45) 1,2-Dichloropropane	8.08	63	230194	20.70	ug/l	97
46) Dibromomethane	8.19	93	143959	20.13	ug/l	92
47) Bromodichloromethane	8.47	83	328064	20.27	ug/l	100
48) Methyl methacrylate	8.22	41	174882	19.37	ug/l	99
49) 1,4-Dioxane	8.21	88	34458	427.42	ug/l #	92
51) 4-Methyl-2-Pentanone	9.33	43	1028137	89.03	ug/l	97
52) Toluene	9.52	92	524961	20.58	ug/l	100
53) t-1,3-Dichloropropene	9.90	75	296156	19.78	ug/l	98
54) cis-1,3-Dichloropropene	9.08	75	355050	20.45	ug/l	100
55) 1,1,2-Trichloroethane	10.16	97	186136	19.96	ug/l	98
56) Ethyl methacrylate	10.01	69	213418	19.83	ug/l	98
57) 1,3-Dichloropropane	10.37	76	283207	20.98	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.90	63	559678	108.40	ug/l	98
59) 2-Hexanone	10.48	43	790103	92.76	ug/l	98
60) Dibromochloromethane	10.62	129	240795	20.54	ug/l	97
61) 1,2-Dibromoethane	10.74	107	189560	20.10	ug/l	100
64) Tetrachloroethene	10.23	164	217895	19.89	ug/l	96
65) Chlorobenzene	11.30	112	591714	21.01	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.40	131	219151	21.30	ug/l	98
67) Ethyl Benzene	11.41	91	1011985	21.36	ug/l	99
68) m/p-Xylenes	11.55	106	756004	43.83	ug/l	97
69) o-Xylene	11.92	106	360733	21.38	ug/l	96
70) Styrene	11.94	104	621969	21.29	ug/l	98
71) Bromoform	12.11	173	175791	19.75	ug/l #	98
73) Isopropylbenzene	12.27	105	1007114	21.08	ug/l	98
74) N-amyl acetate	12.12	43	416657	19.91	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.55	83	229459	20.76	ug/l	99
76) 1,2,3-Trichloropropane	12.58	75	239354	20.57	ug/l	99
77) Bromobenzene	12.53	156	287514	21.70	ug/l	85
78) n-propylbenzene	12.63	91	1275246	21.08	ug/l	98
79) 2-Chlorotoluene	12.70	91	708754	20.71	ug/l	95
80) 1,3,5-Trimethylbenzene	12.78	105	809998	21.32	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.34	75	65447	18.08	ug/l	93
82) 4-Chlorotoluene	12.80	91	844313	21.63	ug/l	96
83) tert-Butylbenzene	13.04	119	921271	21.29	ug/l	95
84) 1,2,4-Trimethylbenzene	13.08	105	833882	21.06	ug/l	100
85) sec-Butylbenzene	13.21	105	1109849	21.81	ug/l	99
86) p-Isopropyltoluene	13.33	119	895552	21.64	ug/l	95
87) 1,3-Dichlorobenzene	13.30	146	516261	21.83	ug/l	99
88) 1,4-Dichlorobenzene	13.38	146	514492	21.80	ug/l	98
89) n-Butylbenzene	13.64	91	929022	20.82	ug/l	96
90) Hexachloroethane	13.85	117	211671	19.05	ug/l	81
91) 1,2-Dichlorobenzene	13.66	146	463974	23.07	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.22	75	32793	19.30	ug/l	76

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Instrument :
MSVOA_D
ClientSampleId :
VD0904SBS01

Quant Time: Sep 05 03:52:05 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
Quant Title : SW846 8260
QLast Update : Thu Aug 23 03:03:08 2018
Response via : Initial Calibration

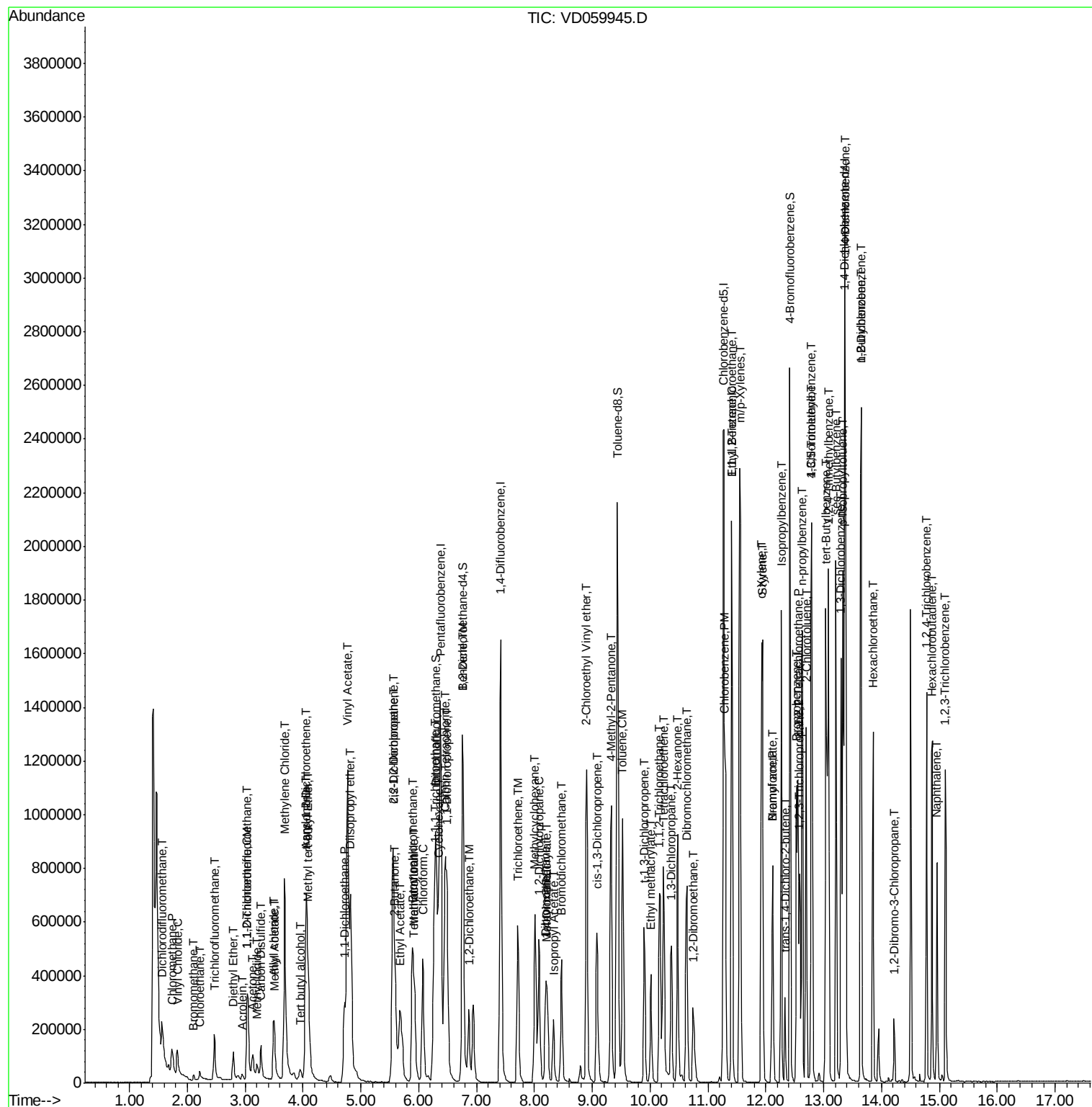
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	369153	21.44	ug/l	98
94) Hexachlorobutadiene	14.88	225	250050	22.15	ug/l	98
95) Naphthalene	14.96	128	560315	21.29	ug/l	99
96) 1,2,3-Trichlorobenzene	15.10	180	320520	21.76	ug/l	95

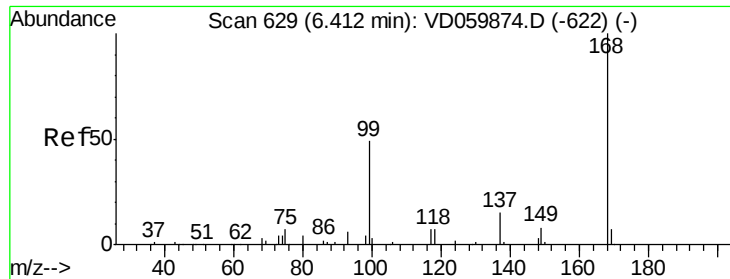
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.37 min Scan# 625

Delta R.T. -0.04 min

Lab File: VD059945.D

Acq: 4 Sep 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

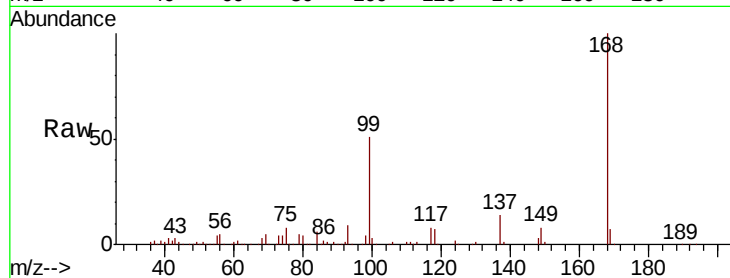
VD0904SBS01

Tot Ion:168 Resp: 1258572

Ion Ratio Lower Upper

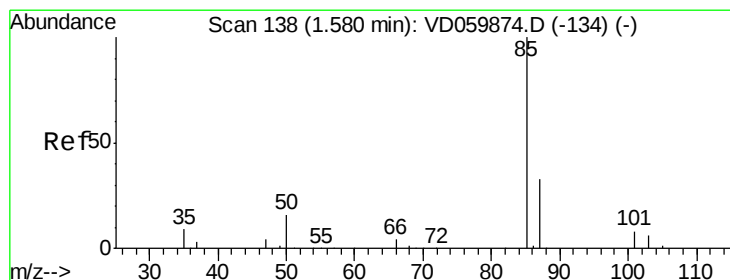
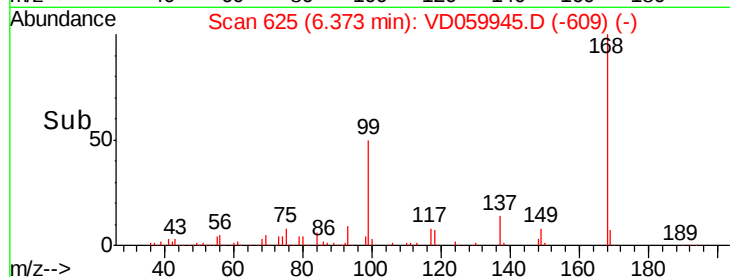
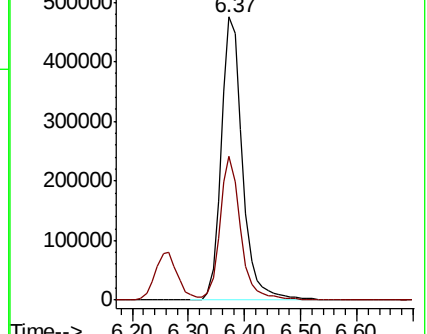
168 100

99 50.7 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 16.30 ug/l

RT: 1.56 min Scan# 136

Delta R.T. -0.02 min

Lab File: VD059945.D

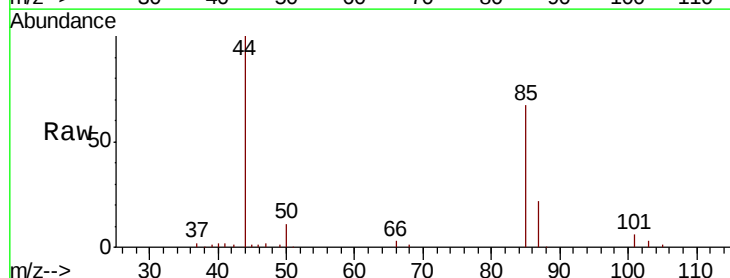
Acq: 4 Sep 2018 15:31

Tgt Ion: 85 Resp: 183423

Ion Ratio Lower Upper

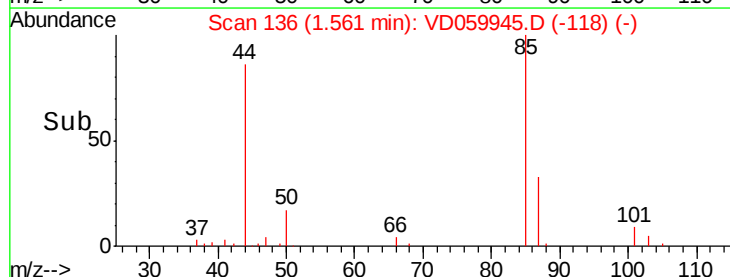
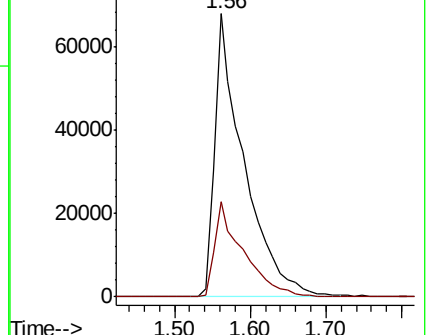
85 100

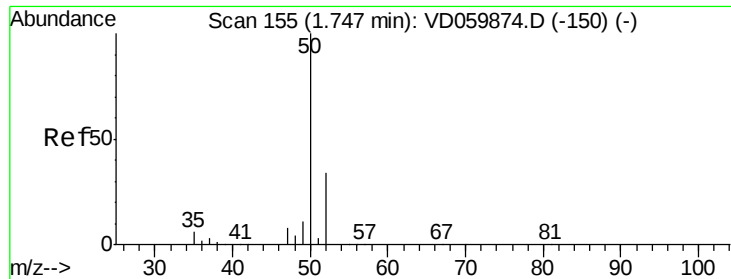
87 33.5 16.8 50.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 16.16 ug/l

RT: 1.74 min Scan# 154

Delta R.T. -0.01 min

Lab File: VD059945.D

Acq: 4 Sep 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

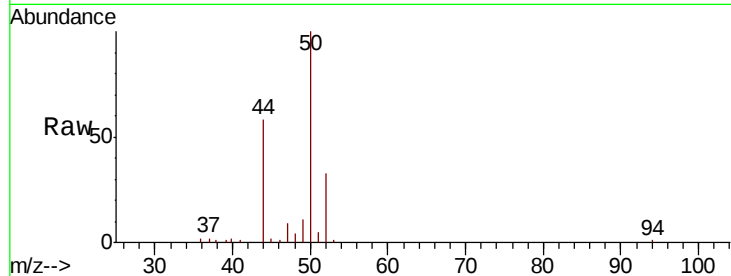
VD0904SBS01

Tot Ion: 50 Resp: 164656

Ion Ratio Lower Upper

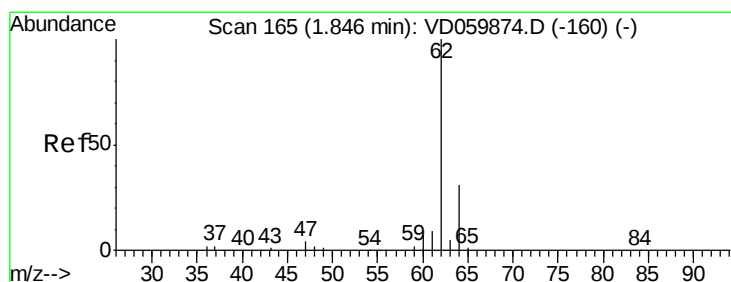
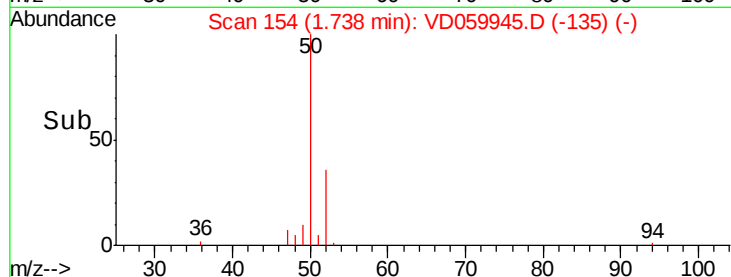
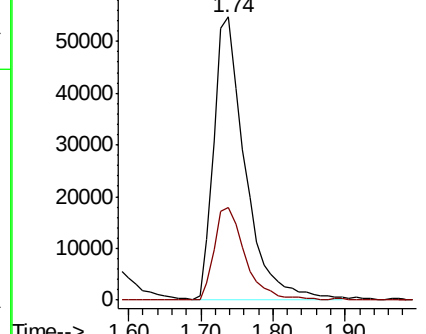
50 100

52 32.8 27.0 40.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 16.86 ug/l

RT: 1.83 min Scan# 163

Delta R.T. -0.02 min

Lab File: VD059945.D

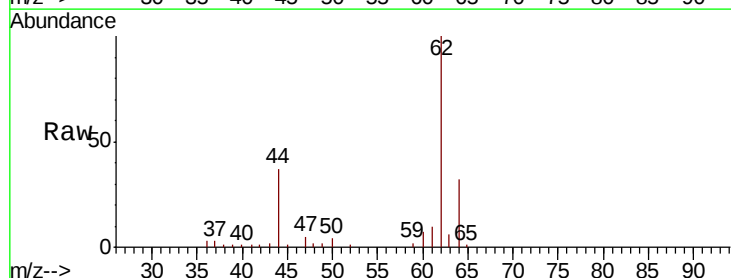
Acq: 4 Sep 2018 15:31

Tgt Ion: 62 Resp: 134762

Ion Ratio Lower Upper

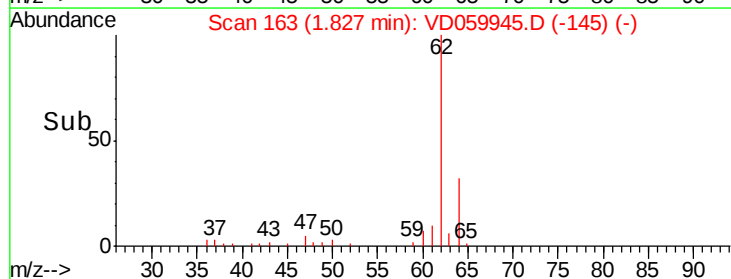
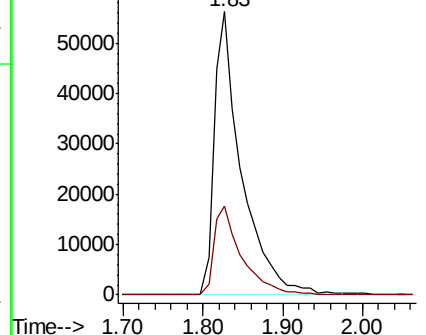
62 100

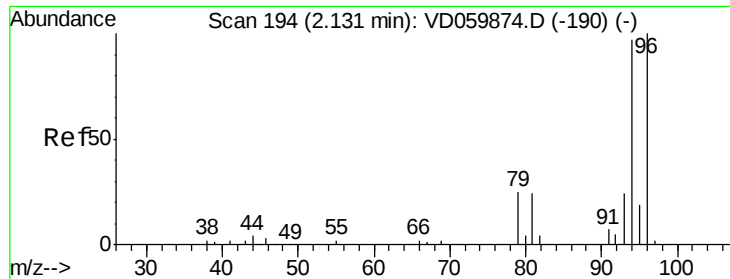
64 31.5 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 8.62 ug/l

RT: 2.11 min Scan# 192

Delta R.T. -0.02 min

Lab File: VD059945.D

Acq: 4 Sep 2018 15:31

Instrument :

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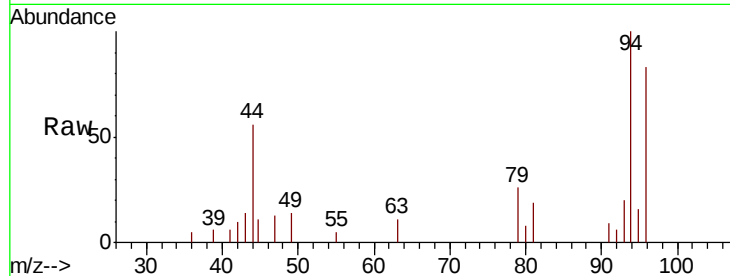
VD0904SBS01

Tot Ion: 94 Resp: 11891

Ion Ratio Lower Upper

94 100

96 82.9 82.4 123.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.11

8000

6000

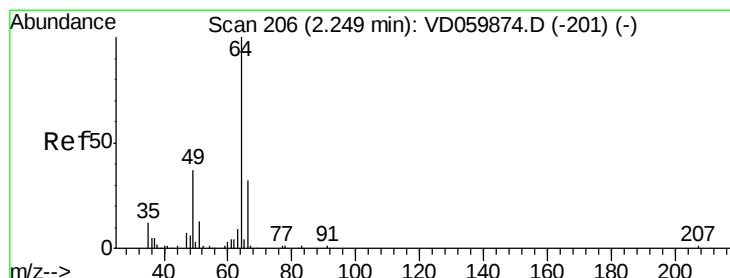
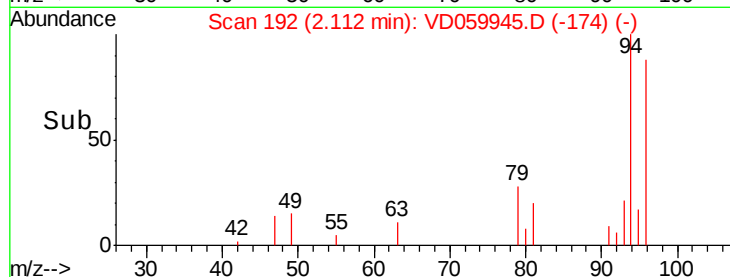
4000

2000

0

Time-->

2.05 2.10 2.15



#6

Chloroethane

Concen: 11.37 ug/l

RT: 2.21 min Scan# 202

Delta R.T. -0.04 min

Lab File: VD059945.D

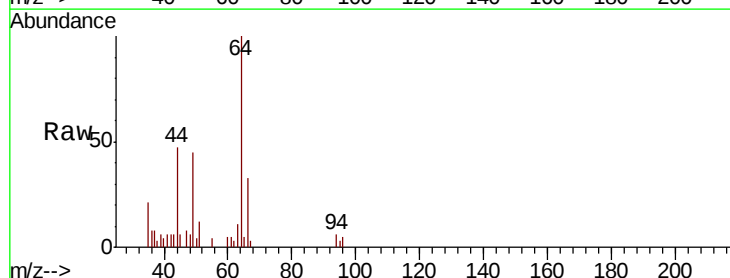
Acq: 4 Sep 2018 15:31

Tgt Ion: 64 Resp: 32831

Ion Ratio Lower Upper

64 100

66 33.4 25.3 37.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.21

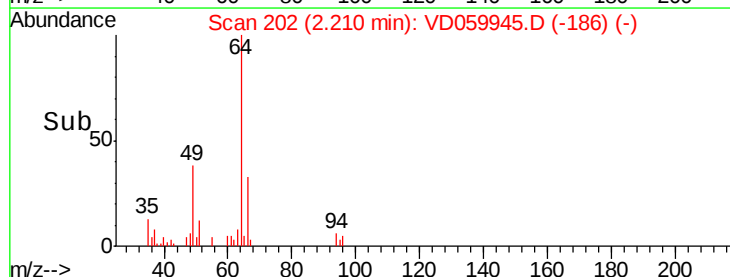
10000

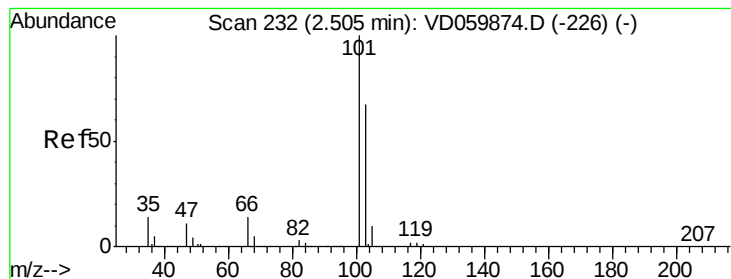
5000

0

Time-->

2.10 2.20 2.30 2.40





#7

Trichlorofluoromethane

Concen: 17.55 ug/l

RT: 2.47 min Scan# 228

Delta R.T. -0.04 min

Lab File: VD059945.D

Acq: 4 Sep 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

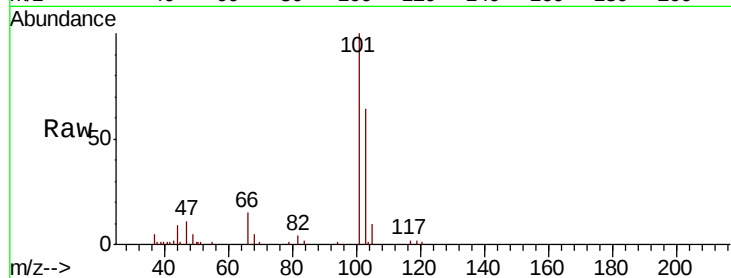
VD0904SBS01

Tot Ion:101 Resp: 162270

Ion Ratio Lower Upper

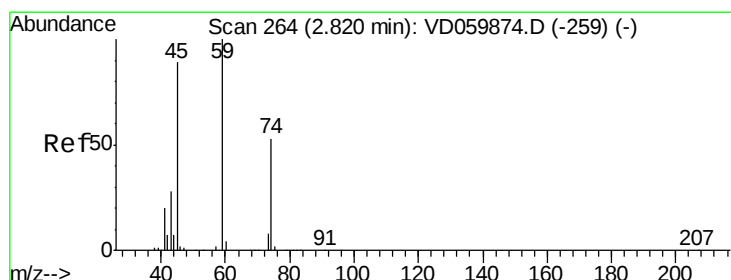
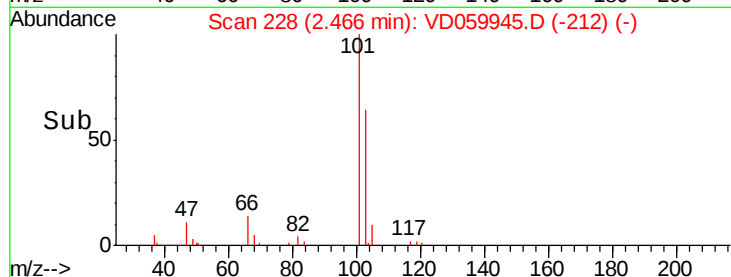
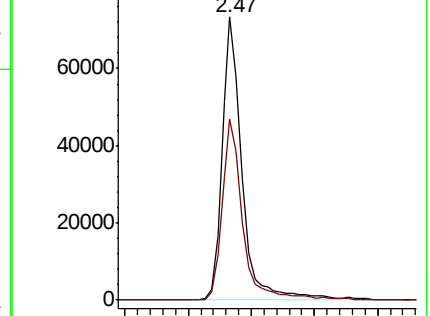
101 100

103 63.8 53.7 80.5



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 17.30 ug/l

RT: 2.79 min Scan# 261

Delta R.T. -0.03 min

Lab File: VD059945.D

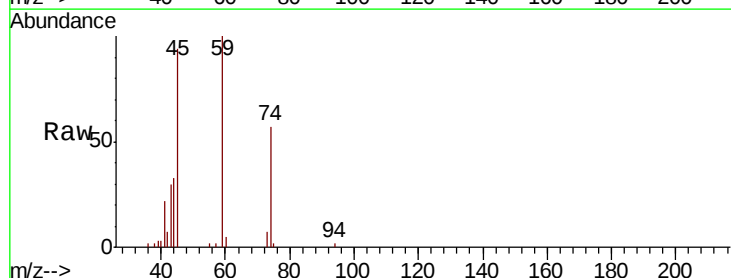
Acq: 4 Sep 2018 15:31

Tgt Ion: 74 Resp: 35881

Ion Ratio Lower Upper

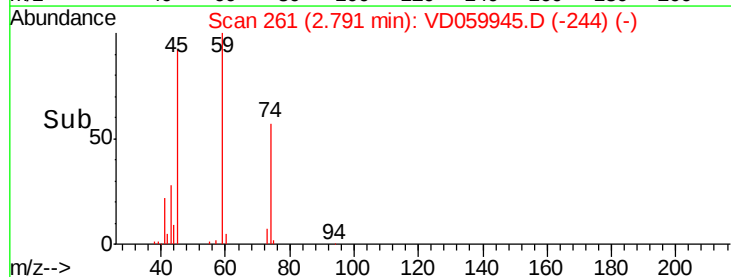
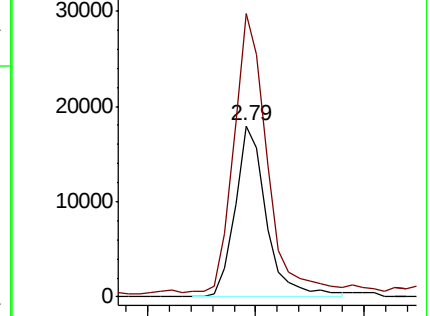
74 100

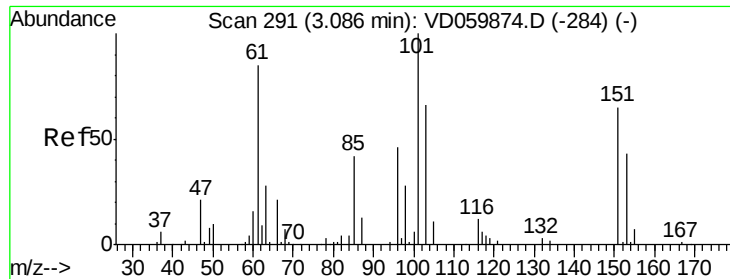
45 165.3 85.7 257.1



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

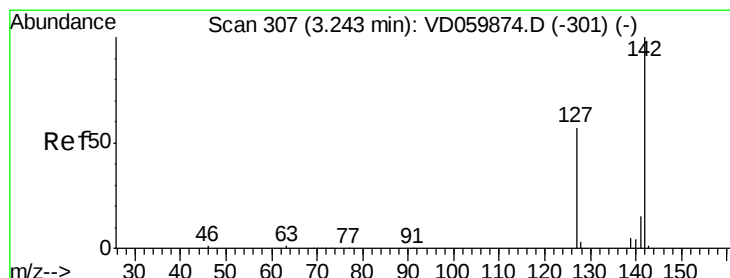
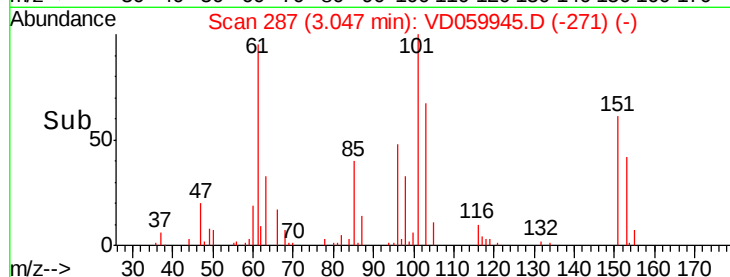
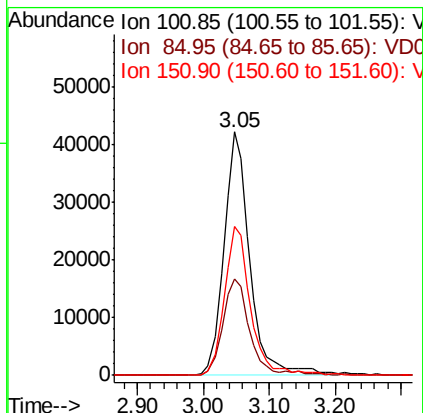
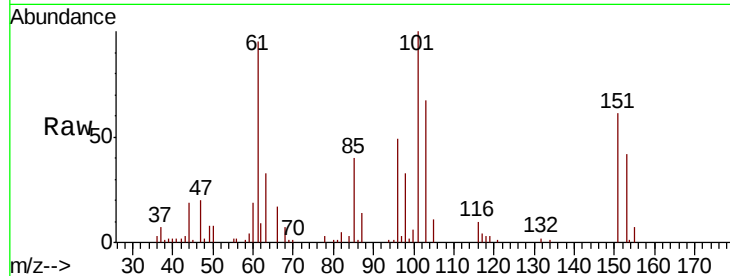




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.31 ug/l
 RT: 3.05 min Scan# 287
 Delta R.T. -0.04 min
 Lab File: VD059945.D
 Acq: 4 Sep 2018 15:31

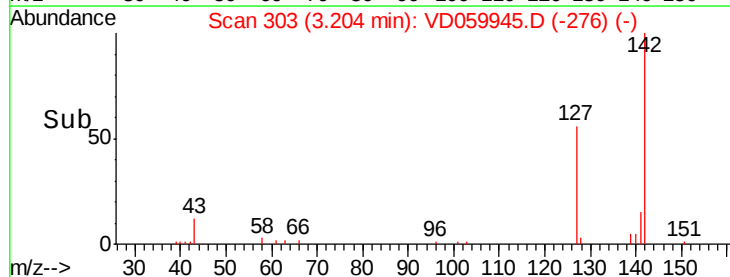
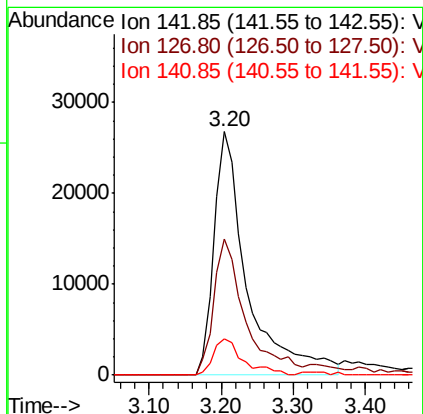
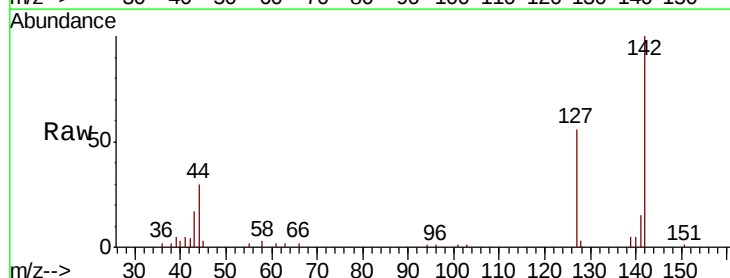
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBS01

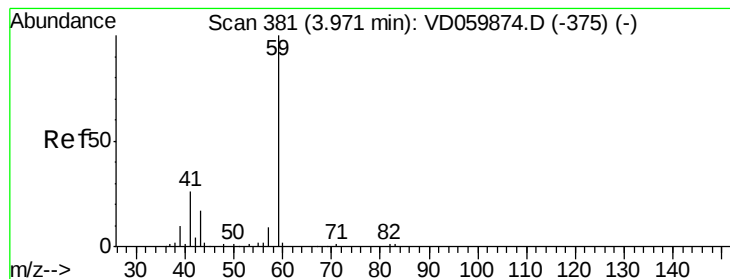
Tot Ion:101 Resp: 115003
 Ion Ratio Lower Upper
 101 100
 85 39.6 33.6 50.4
 151 61.2 52.0 78.0



#10
 Methyl Iodide
 Concen: 16.65 ug/l
 RT: 3.20 min Scan# 303
 Delta R.T. -0.04 min
 Lab File: VD059945.D
 Acq: 4 Sep 2018 15:31

Tgt Ion:142 Resp: 85427
 Ion Ratio Lower Upper
 142 100
 127 56.0 45.8 68.6
 141 15.0 11.6 17.4



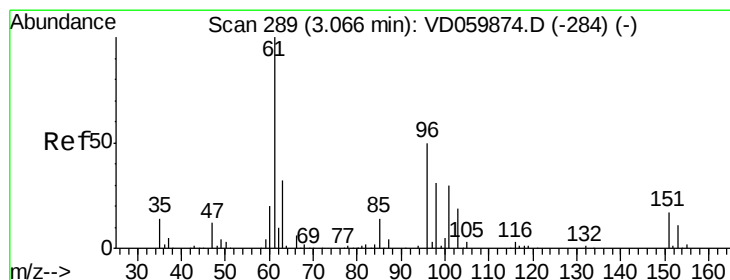
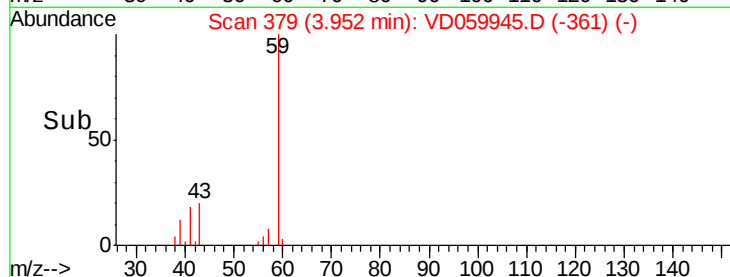
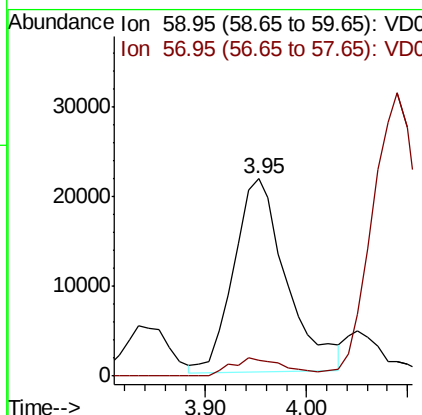
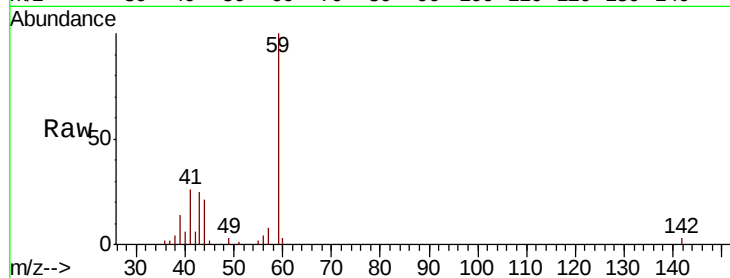


#11

Tert butyl alcohol
 Concen: 96.98 ug/l
 RT: 3.95 min Scan# 379
 Delta R.T. -0.02 min
 Lab File: VD059945.D
 Acq: 4 Sep 2018 15:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBS01

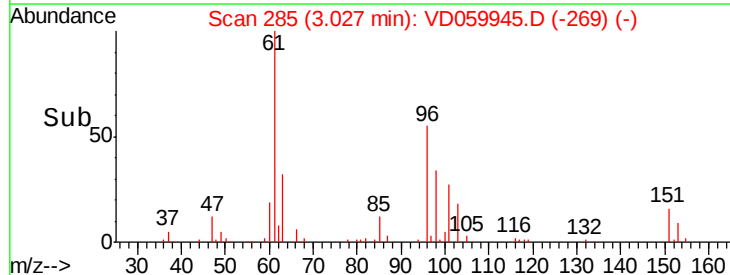
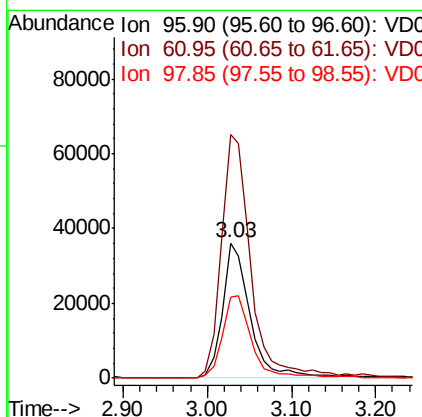
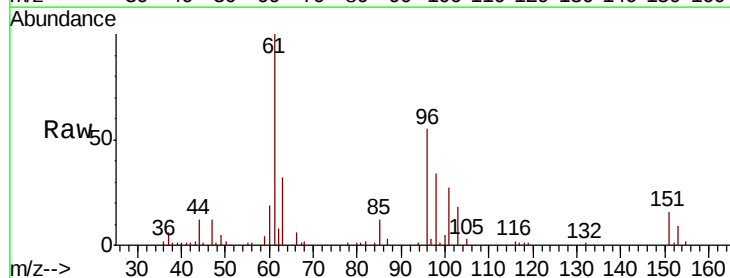
Tot Ion: 59 Resp: 78493
 Ion Ratio Lower Upper
 59 100
 57 7.8 7.4 11.0

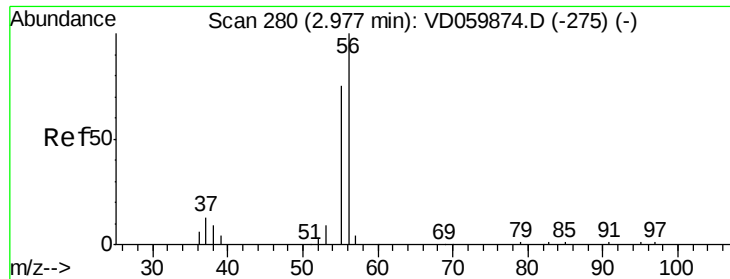


#12

1,1-Dichloroethene
 Concen: 18.68 ug/l
 RT: 3.03 min Scan# 285
 Delta R.T. -0.04 min
 Lab File: VD059945.D
 Acq: 4 Sep 2018 15:31

Tgt Ion: 96 Resp: 82334
 Ion Ratio Lower Upper
 96 100
 61 180.2 158.8 238.2
 98 60.4 48.7 73.1





#13

Acrolein

Concen: 55.86 ug/l

RT: 2.95 min Scan# 277

Delta R.T. -0.03 min

Lab File: VD059945.D

Acq: 4 Sep 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

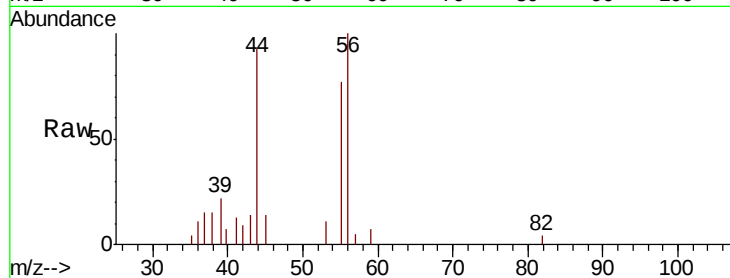
VD0904SBS01

Tot Ion: 56 Resp: 19609

Ion Ratio Lower Upper

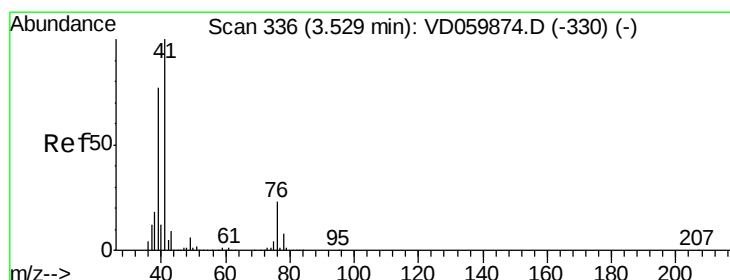
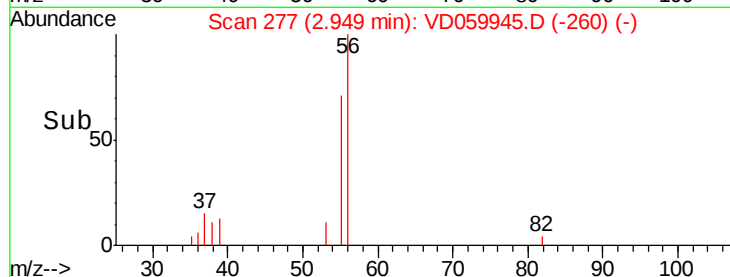
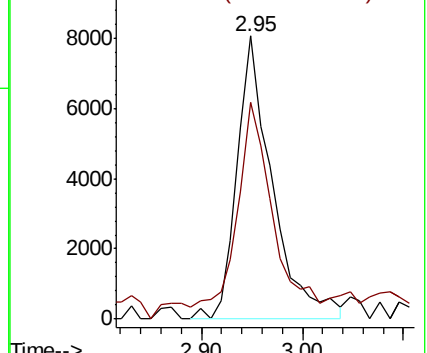
56 100

55 76.8 61.9 92.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.19 ug/l

RT: 3.49 min Scan# 332

Delta R.T. -0.04 min

Lab File: VD059945.D

Acq: 4 Sep 2018 15:31

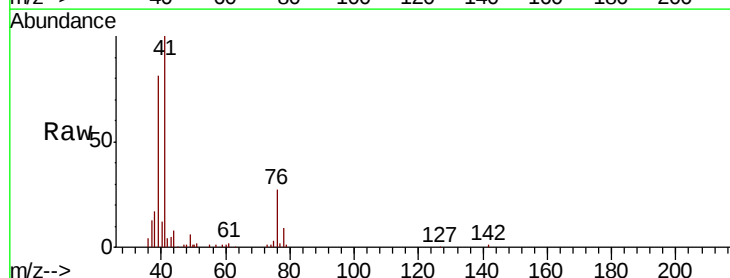
Tgt Ion: 41 Resp: 201280

Ion Ratio Lower Upper

41 100

39 81.2 61.8 92.6

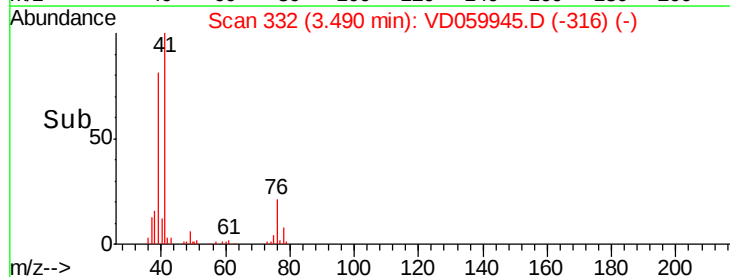
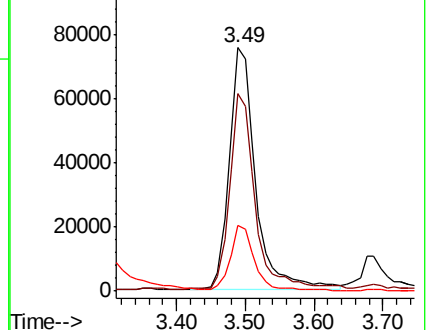
76 27.1 19.4 29.2

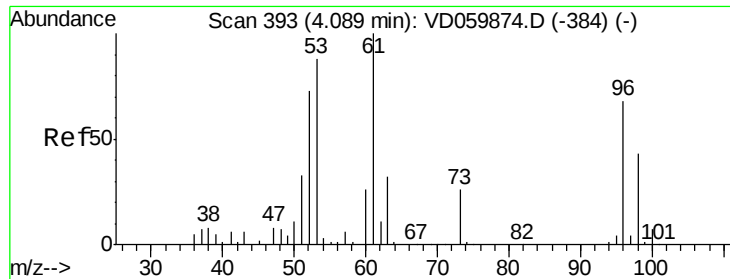


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 98.40 ug/l

RT: 4.05 min Scan# 389

Delta R.T. -0.04 min

Lab File: VD059945.D

Acq: 4 Sep 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBS01

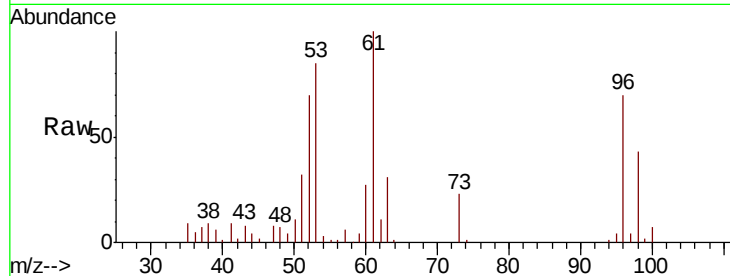
Tot Ion: 53 Resp: 298246

Ion Ratio Lower Upper

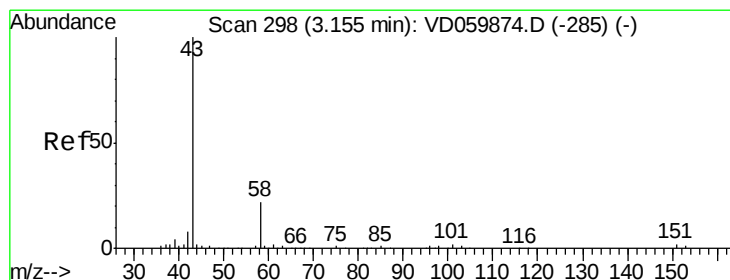
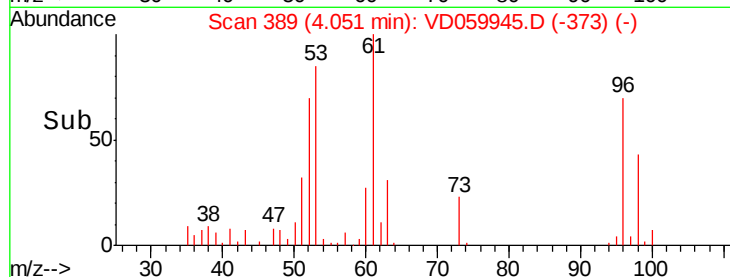
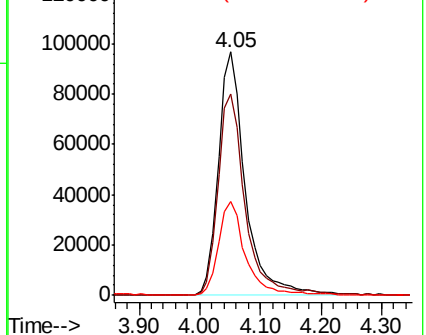
53 100

52 83.0 66.9 100.3

51 38.3 30.3 45.5



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



#16

Acetone

Concen: 91.54 ug/l

RT: 3.13 min Scan# 295

Delta R.T. -0.03 min

Lab File: VD059945.D

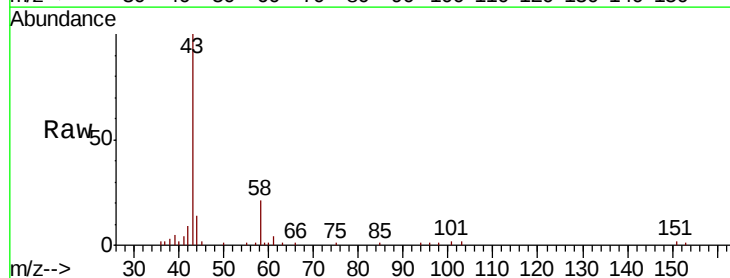
Acq: 4 Sep 2018 15:31

Tgt Ion: 43 Resp: 176922

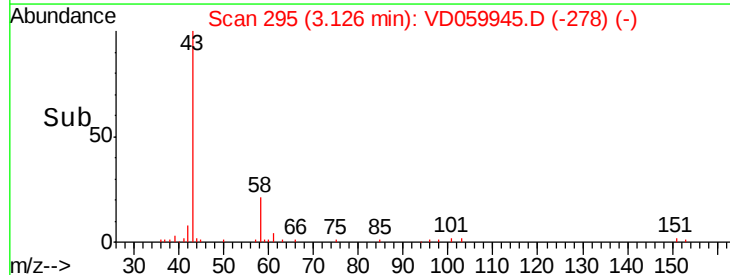
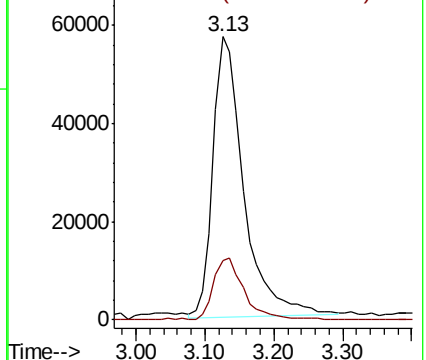
Ion Ratio Lower Upper

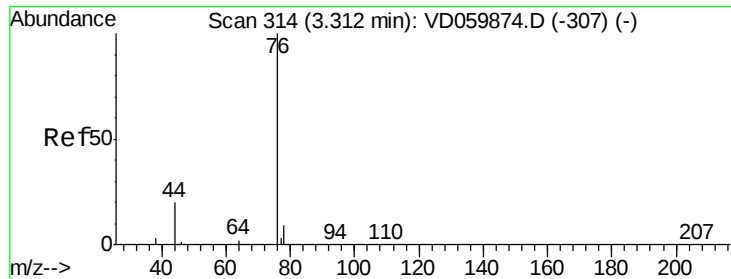
43 100

58 20.9 17.6 26.4



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

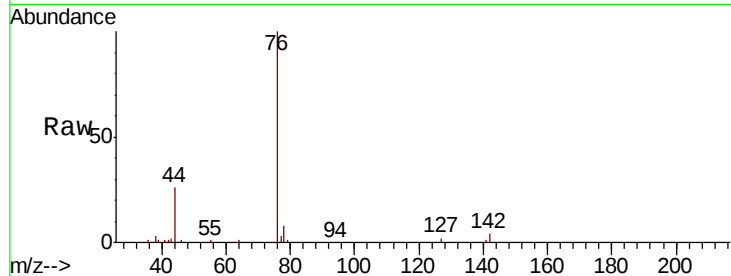




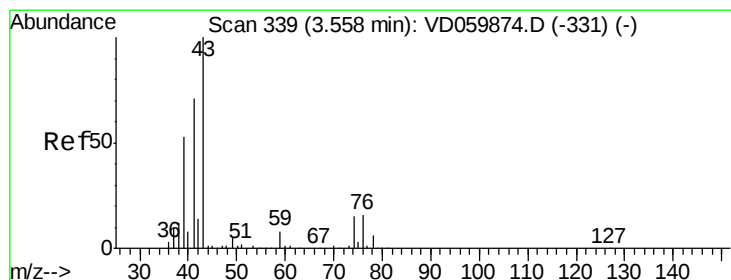
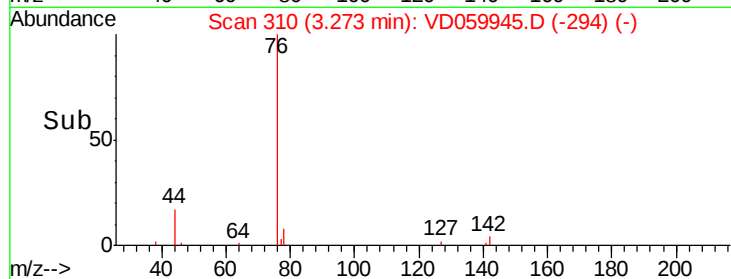
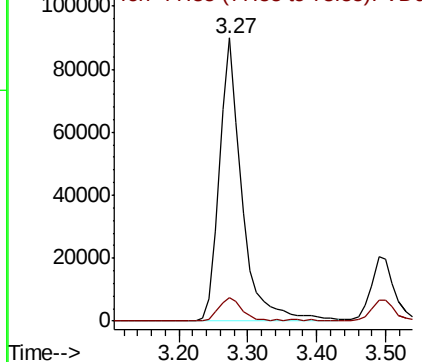
#17
Carbon Disulfide
Concen: 14.91 ug/l
RT: 3.27 min Scan# 310
Delta R.T. -0.04 min
Lab File: VD059945.D
Acq: 4 Sep 2018 15:31

Instrument :
MSVOA_D
ClientSampleId :
VD0904SBS01

Tot Ion: 76 Resp: 203967
Ion Ratio Lower Upper
76 100
78 8.4 7.4 11.2

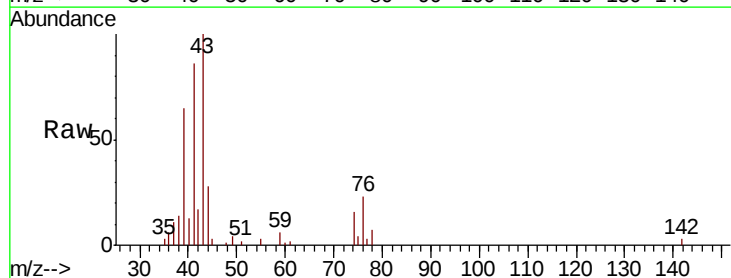


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

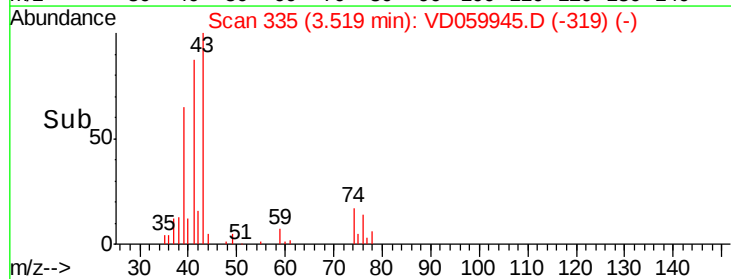
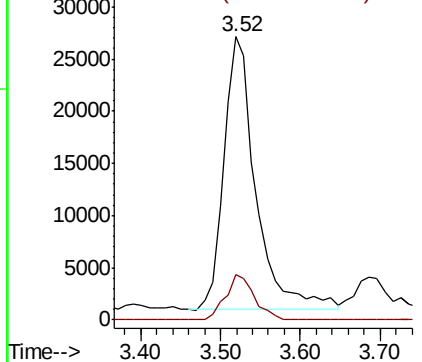


#18
Methyl Acetate
Concen: 18.19 ug/l
RT: 3.52 min Scan# 335
Delta R.T. -0.04 min
Lab File: VD059945.D
Acq: 4 Sep 2018 15:31

Tgt Ion: 43 Resp: 73384
Ion Ratio Lower Upper
43 100
74 16.0 11.2 16.8



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

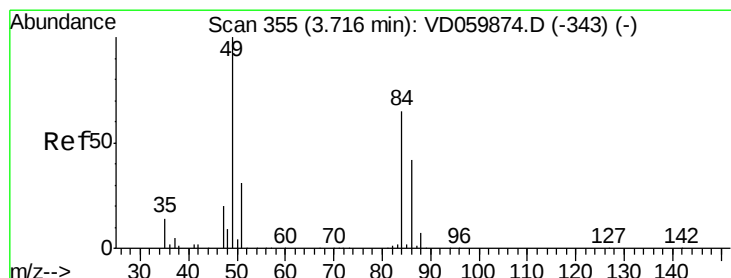
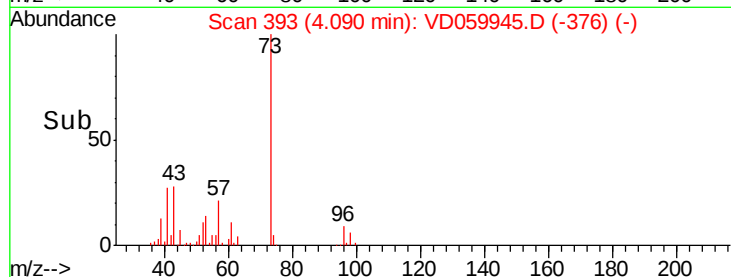
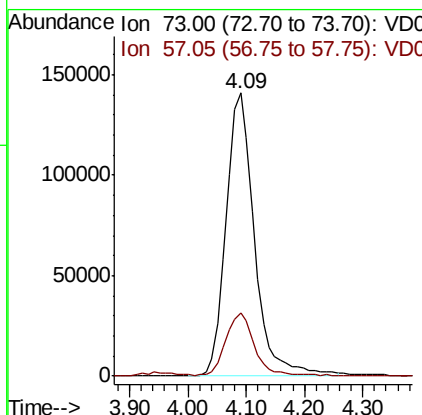
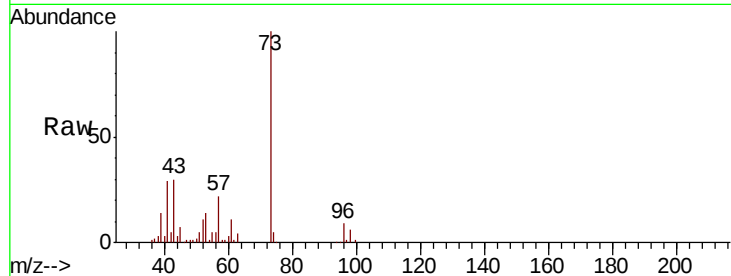




#19
Methyl tert-butyl Ether
Concen: 19.16 ug/l
RT: 4.09 min Scan# 393
Delta R.T. -0.03 min
Lab File: VD059945.D
Acq: 4 Sep 2018 15:31

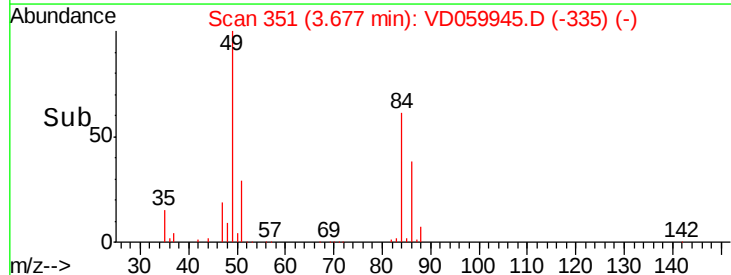
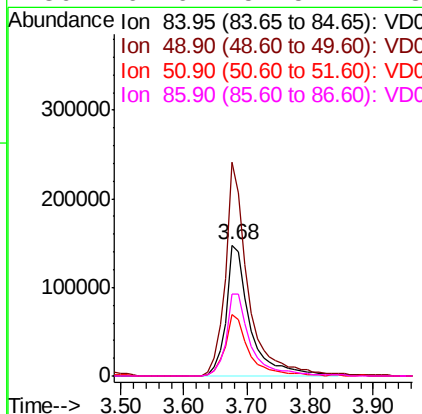
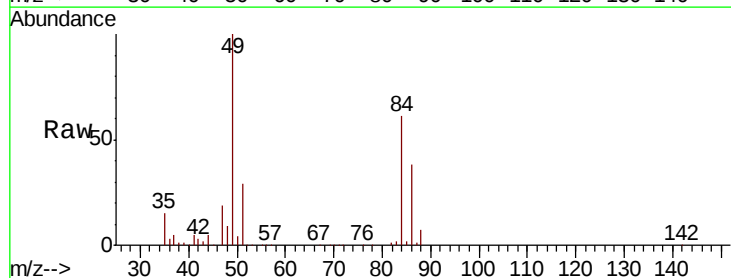
Instrument :
MSVOA_D
ClientSampleId :
VD0904SBS01

Tot Ion: 73 Resp: 477827
Ion Ratio Lower Upper
73 100
57 22.4 17.9 26.9



#20
Methylene Chloride
Concen: 28.36 ug/l
RT: 3.68 min Scan# 351
Delta R.T. -0.04 min
Lab File: VD059945.D
Acq: 4 Sep 2018 15:31

Tgt Ion: 84 Resp: 386539
Ion Ratio Lower Upper
84 100
49 163.5 122.6 183.8
51 47.5 38.4 57.6
86 62.6 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 18.36 ug/l

RT: 4.05 min Scan# 389

Delta R.T. -0.05 min

Lab File: VD059945.D

Acq: 4 Sep 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBS01

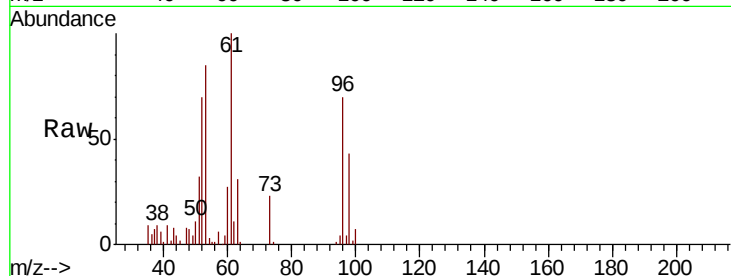
Tot Ion: 96 Resp: 222928

Ion Ratio Lower Upper

96 100

61 142.9 110.2 165.4

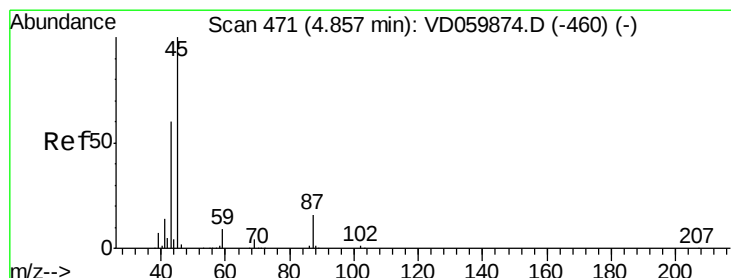
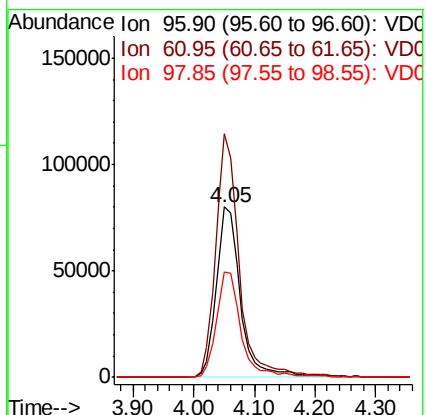
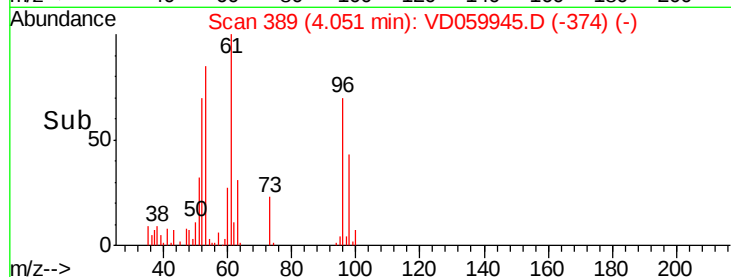
98 61.8 50.9 76.3



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 19.16 ug/l

RT: 4.82 min Scan# 467

Delta R.T. -0.04 min

Lab File: VD059945.D

Acq: 4 Sep 2018 15:31

Tgt Ion: 45 Resp: 974309

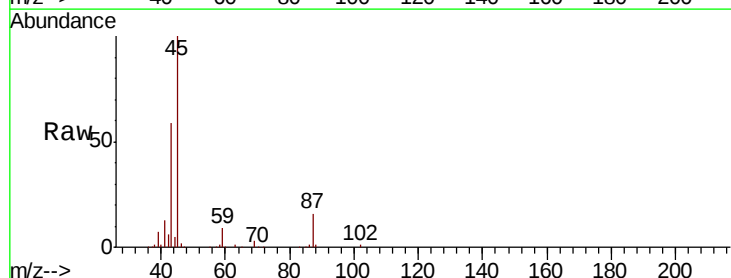
Ion Ratio Lower Upper

45 100

43 59.1 48.6 72.8

87 15.7 13.3 19.9

59 8.9 7.1 10.7

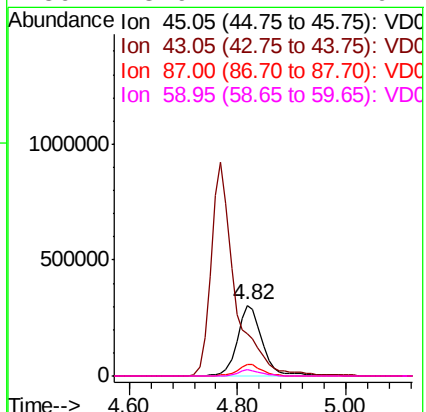
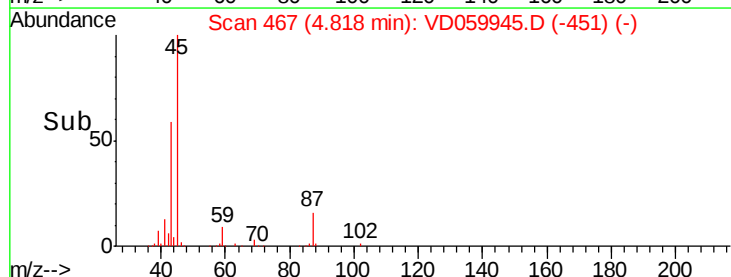


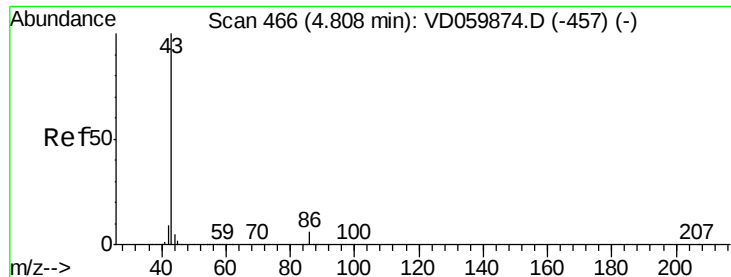
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC

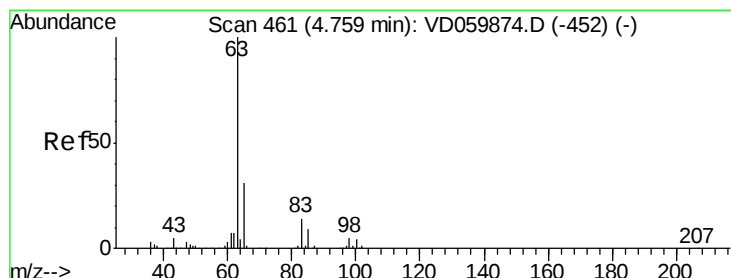
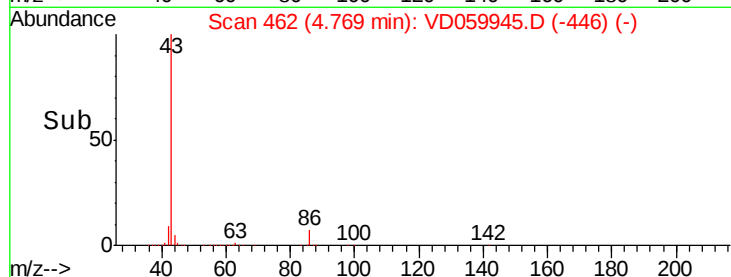
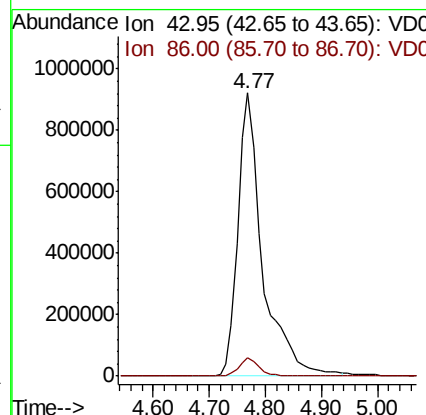
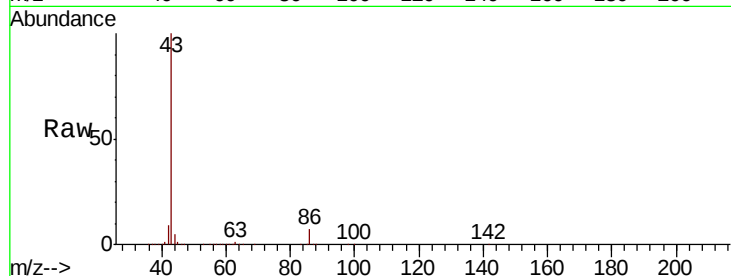




#23
 Vinyl Acetate
 Concen: 98.77 ug/l
 RT: 4.77 min Scan# 462
 Delta R.T. -0.04 min
 Lab File: VD059945.D
 Acq: 4 Sep 2018 15:31

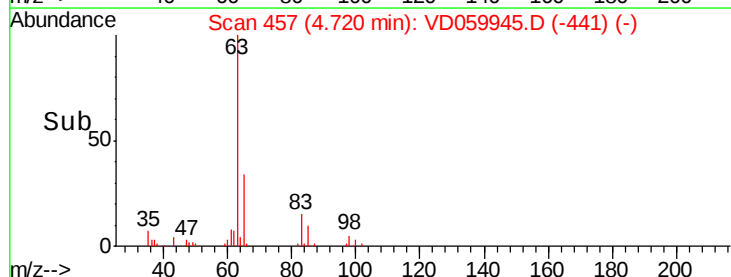
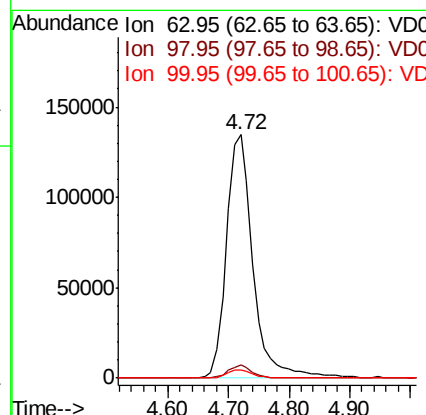
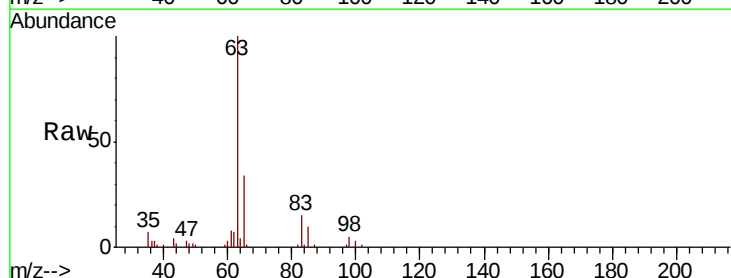
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBS01

Tot Ion: 43 Resp: 2807728
 Ion Ratio Lower Upper
 43 100
 86 6.5 5.0 7.6



#24
 1,1-Dichloroethane
 Concen: 18.54 ug/l
 RT: 4.72 min Scan# 457
 Delta R.T. -0.04 min
 Lab File: VD059945.D
 Acq: 4 Sep 2018 15:31

Tgt Ion: 63 Resp: 407298
 Ion Ratio Lower Upper
 63 100
 98 5.4 2.7 8.1
 100 3.2 1.8 5.3





#25

2-Butanone

Concen: 86.60 ug/l

RT: 5.60 min Scan# 546

Delta R.T. -0.03 min

Lab File: VD059945.D

Acq: 4 Sep 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

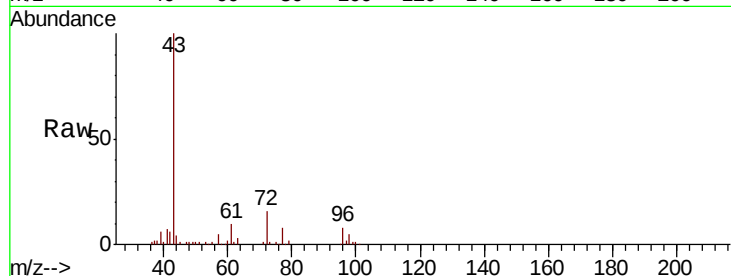
VD0904SBS01

Tot Ion: 43 Resp: 495704

Ion Ratio Lower Upper

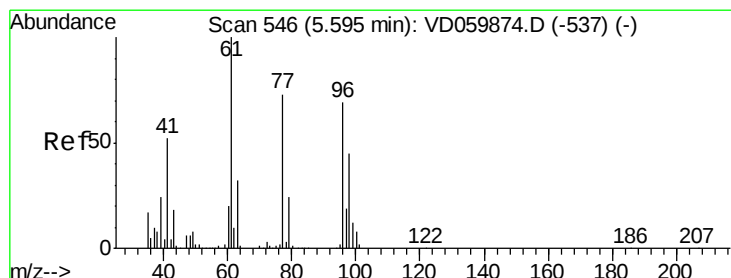
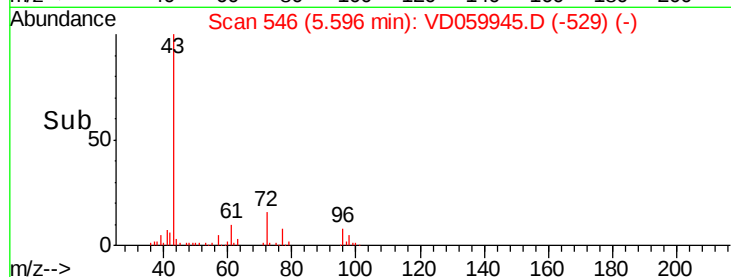
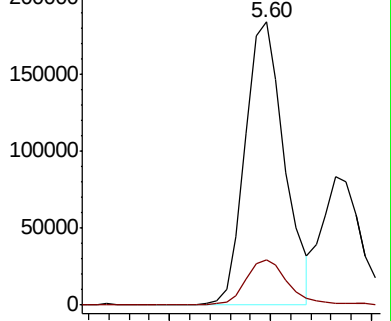
43 100

72 15.9 12.3 18.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.75 ug/l

RT: 5.55 min Scan# 541

Delta R.T. -0.05 min

Lab File: VD059945.D

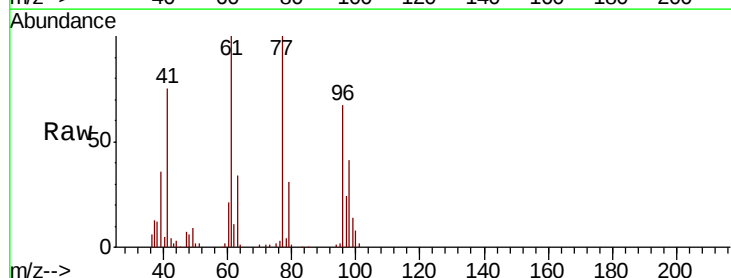
Acq: 4 Sep 2018 15:31

Tgt Ion: 77 Resp: 362789

Ion Ratio Lower Upper

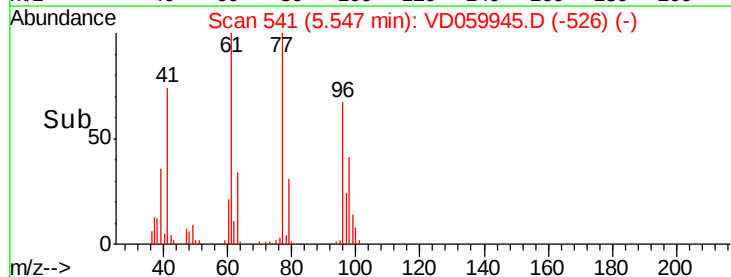
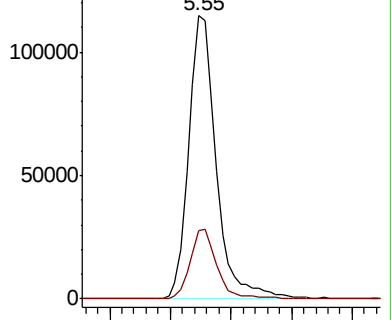
77 100

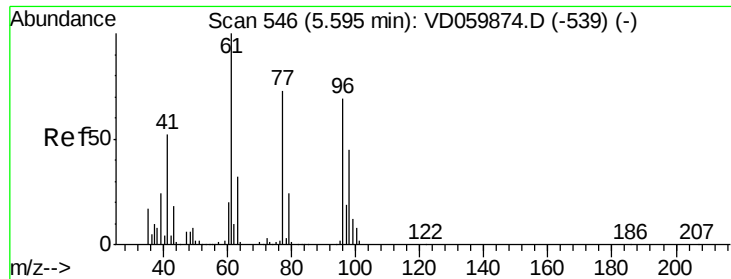
97 24.0 13.0 38.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



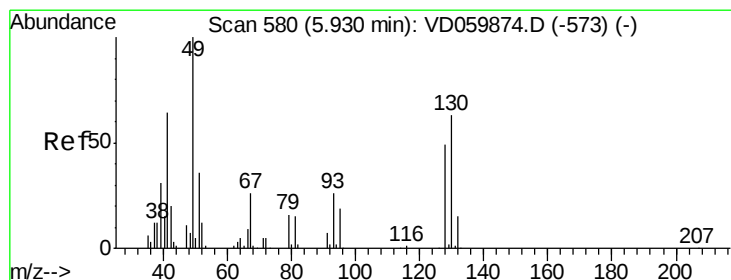
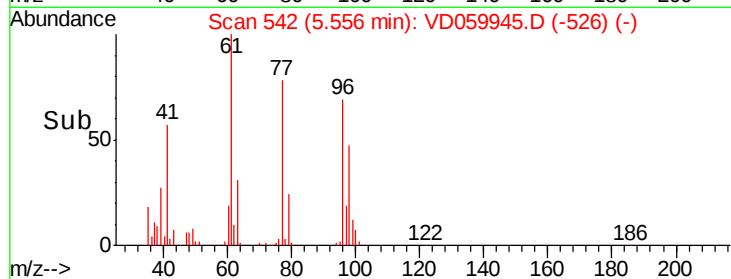
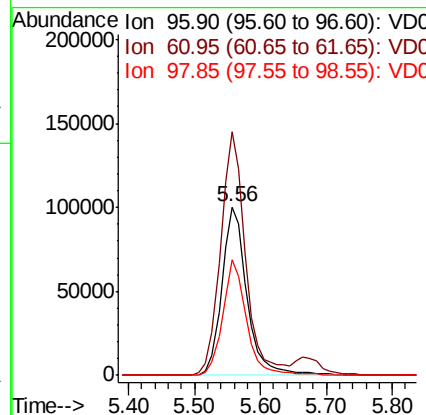
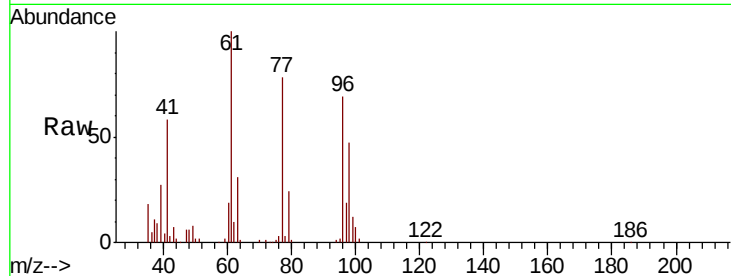


#27

cis-1,2-Dichloroethene
 Concen: 20.07 ug/l
 RT: 5.56 min Scan# 542
 Delta R.T. -0.04 min
 Lab File: VD059945.D
 Acq: 4 Sep 2018 15:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBS01

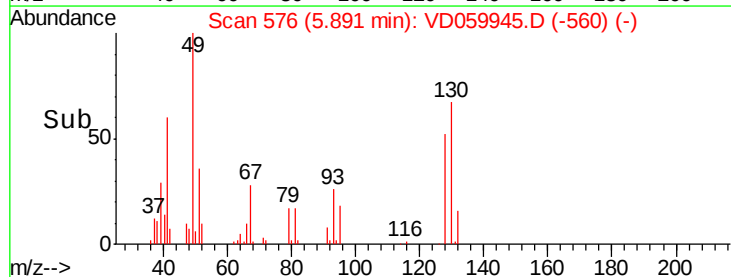
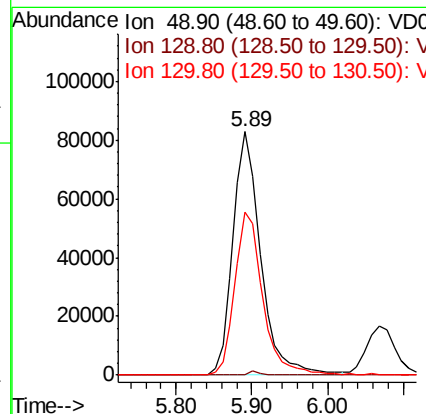
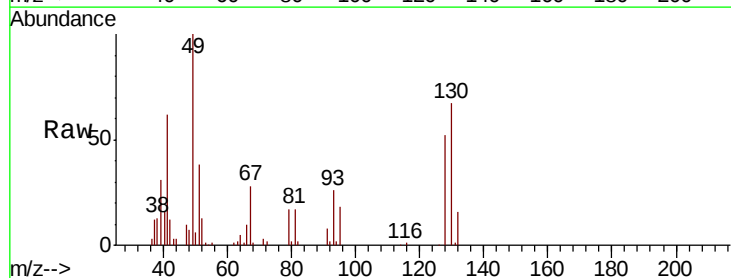
Tot Ion	96	Resp	266824
Ion	Ratio	Lower	Upper
96	100		
61	144.3	0.0	290.2
98	68.2	0.0	130.4



#28

Bromochloromethane
 Concen: 19.95 ug/l
 RT: 5.89 min Scan# 576
 Delta R.T. -0.04 min
 Lab File: VD059945.D
 Acq: 4 Sep 2018 15:31

Tgt Ion	49	Resp	210051
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.2
130	67.1	50.6	75.8

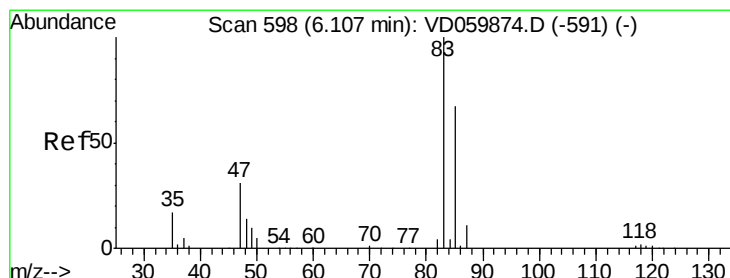
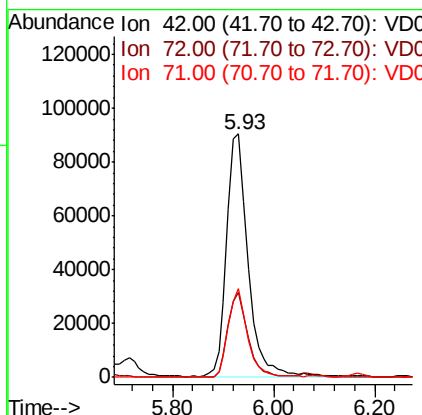
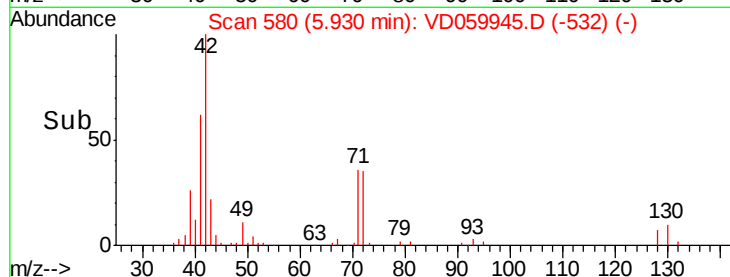
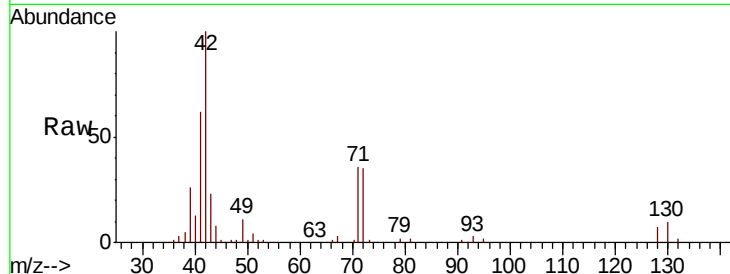




#29
Tetrahydrofuran
Concen: 96.17 ug/l
RT: 5.93 min Scan# 580
Delta R.T. -0.03 min
Lab File: VD059945.D
Acq: 4 Sep 2018 15:31

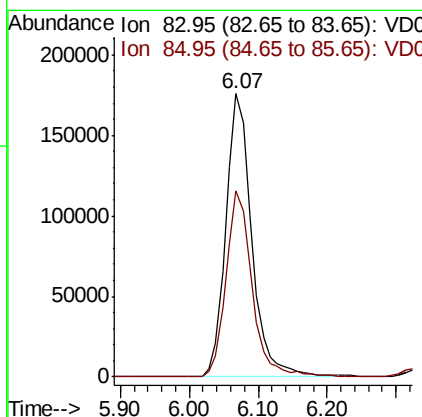
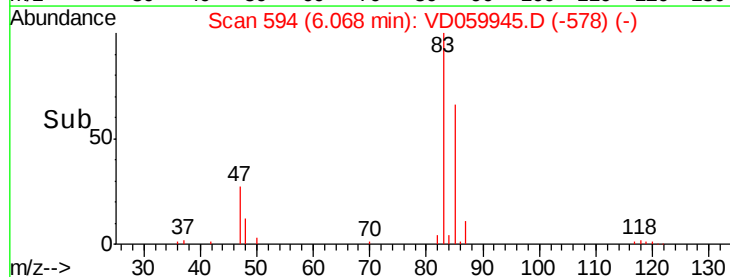
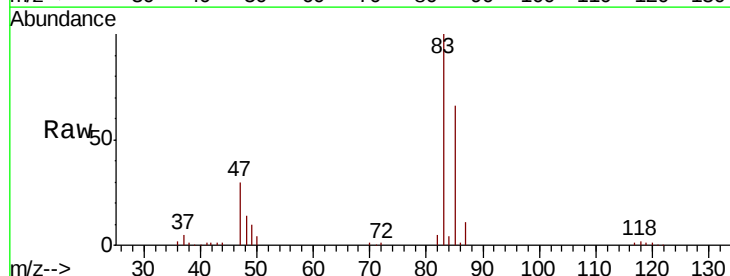
Instrument :
MSVOA_D
ClientSampleId :
VD0904SBS01

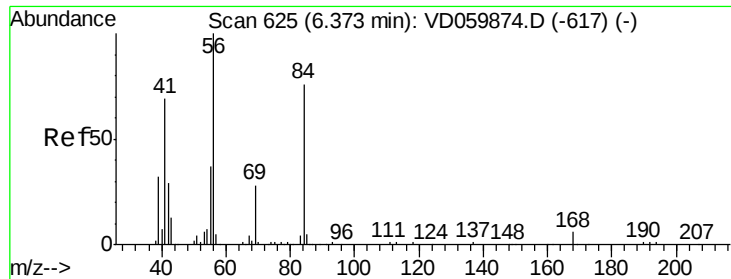
Tot Ion: 42 Resp: 262072
Ion Ratio Lower Upper
42 100
72 32.9 25.7 38.5
71 33.1 25.3 37.9



#30
Chloroform
Concen: 20.53 ug/l
RT: 6.07 min Scan# 594
Delta R.T. -0.04 min
Lab File: VD059945.D
Acq: 4 Sep 2018 15:31

Tgt Ion: 83 Resp: 458393
Ion Ratio Lower Upper
83 100
85 65.6 53.5 80.3

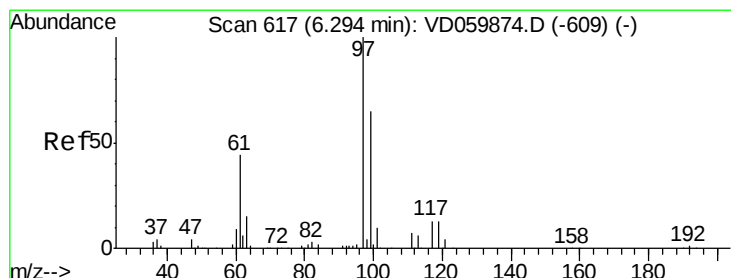
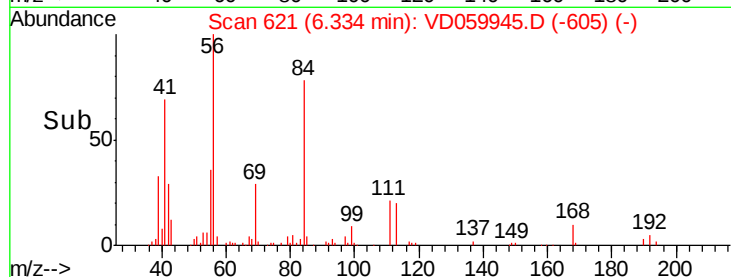
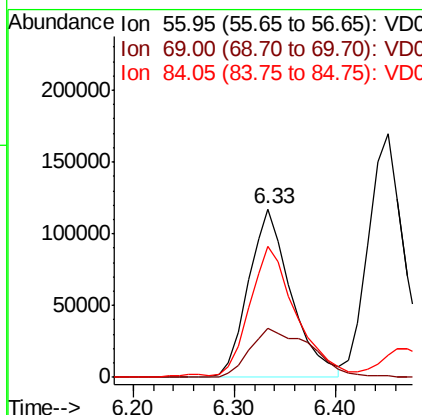
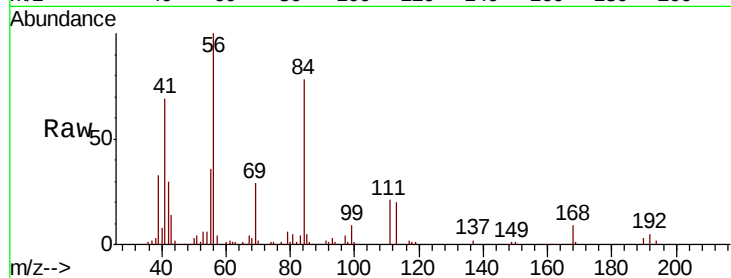




#31
Cyclohexane
Concen: 17.13 ug/l
RT: 6.33 min Scan# 621
Delta R.T. -0.04 min
Lab File: VD059945.D
Acq: 4 Sep 2018 15:31

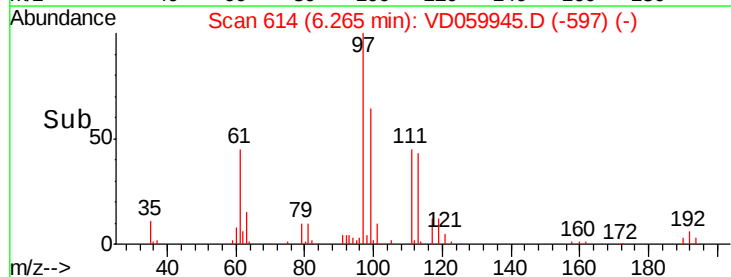
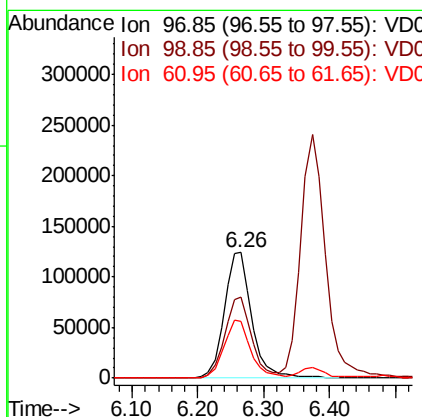
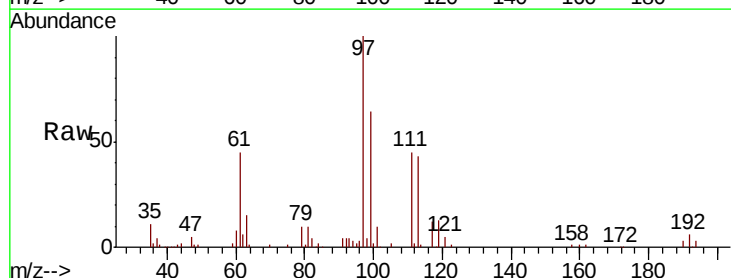
Instrument :
MSVOA_D
ClientSampleId :
VD0904SBS01

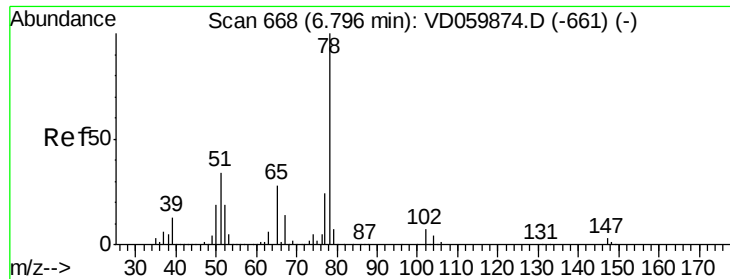
Tot Ion: 56 Resp: 345924
Ion Ratio Lower Upper
56 100
69 28.8 22.4 33.6
84 77.6 62.1 93.1



#32
1,1,1-Trichloroethane
Concen: 19.13 ug/l
RT: 6.26 min Scan# 614
Delta R.T. -0.03 min
Lab File: VD059945.D
Acq: 4 Sep 2018 15:31

Tgt Ion: 97 Resp: 362527
Ion Ratio Lower Upper
97 100
99 64.3 51.7 77.5
61 44.7 35.4 53.2

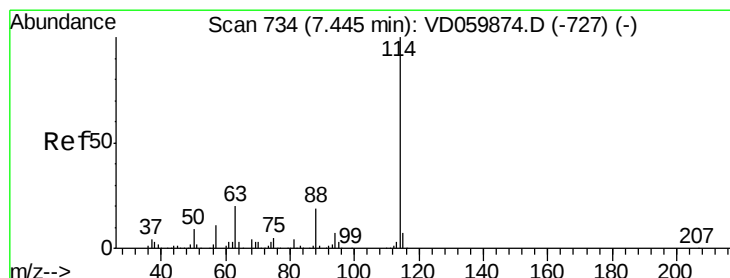
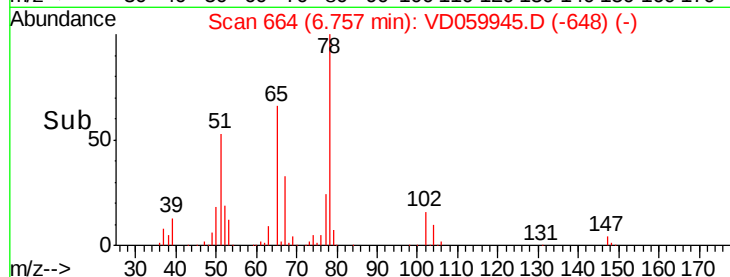
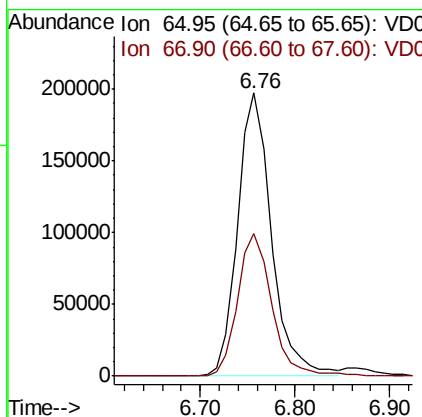
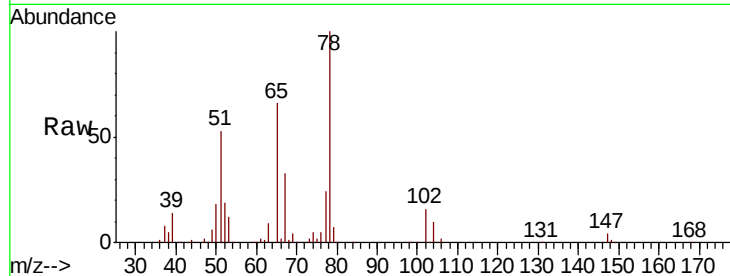




#33
 1,2-Dichloroethane-d4
 Concen: 19.13 ug/l
 RT: 6.76 min Scan# 664
 Delta R.T. -0.04 min
 Lab File: VD059945.D
 Acq: 4 Sep 2018 15:31

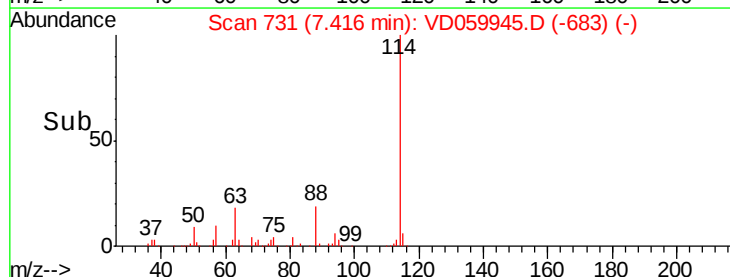
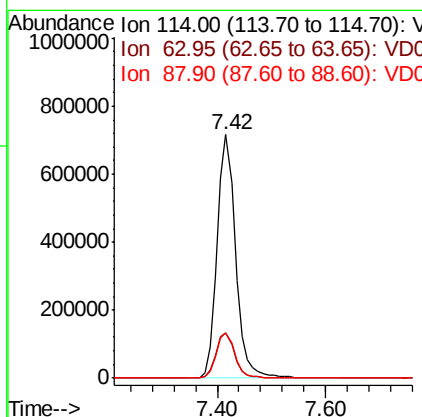
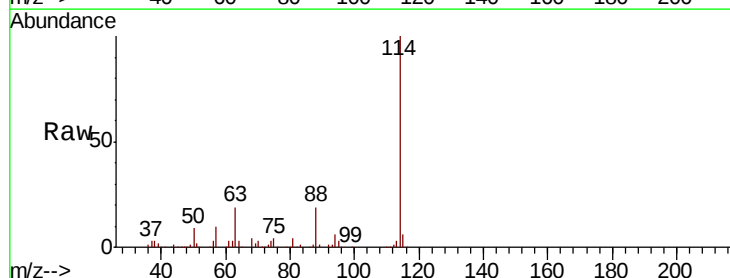
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBS01

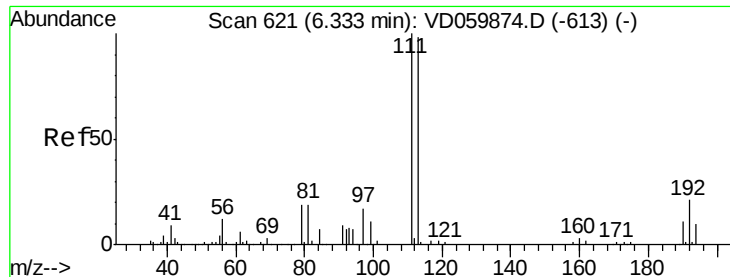
Tot Ion: 65 Resp: 489515
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.42 min Scan# 731
 Delta R.T. -0.03 min
 Lab File: VD059945.D
 Acq: 4 Sep 2018 15:31

Tgt Ion: 114 Resp: 1687977
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 39.4
 88 18.6 0.0 37.6

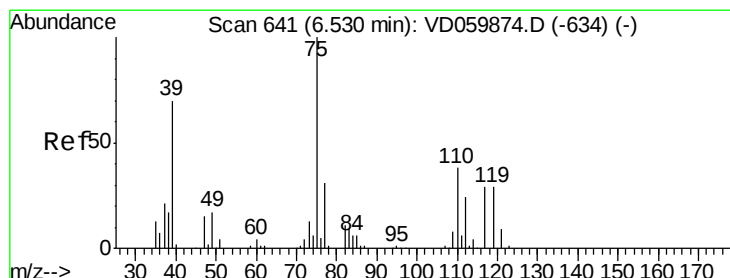
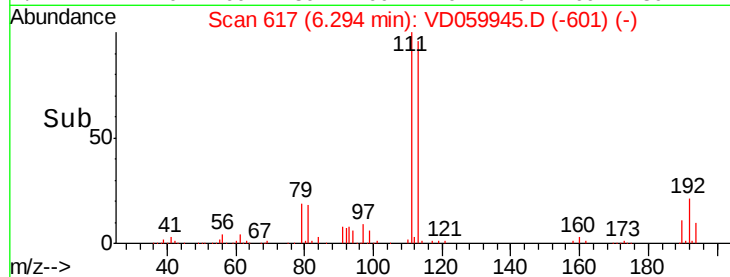
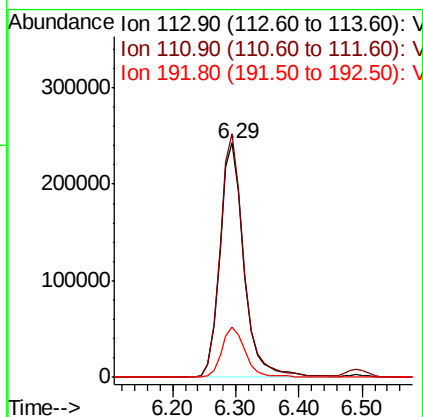
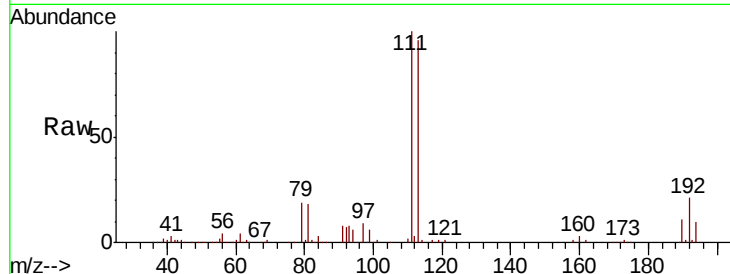




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.29 min Scan# 617
 Delta R.T. -0.04 min
 Lab File: VD059945.D
 Acq: 4 Sep 2018 15:31

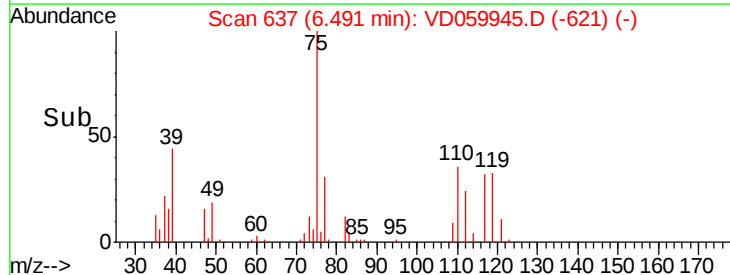
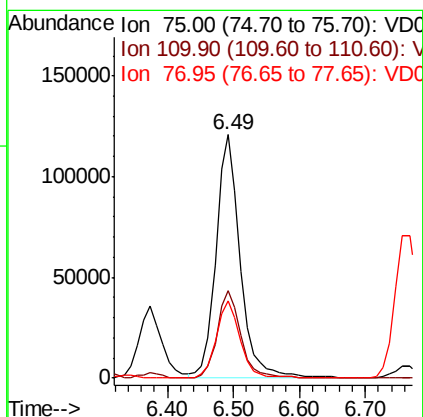
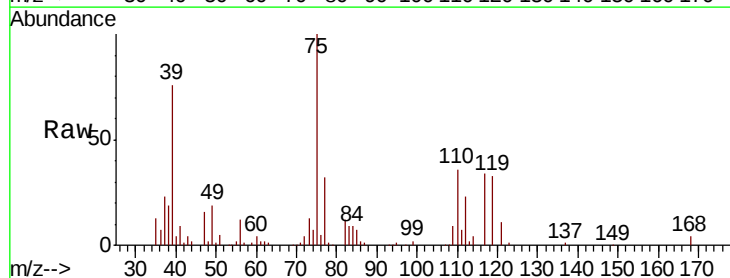
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBS01

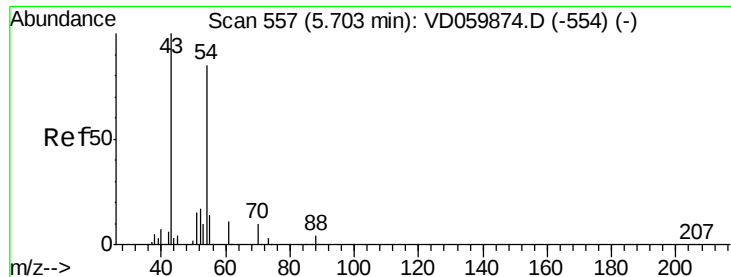
Tot Ion:113 Resp: 641352
 Ion Ratio Lower Upper
 113 100
 111 103.8 81.4 122.2
 192 21.6 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 19.81 ug/l
 RT: 6.49 min Scan# 637
 Delta R.T. -0.04 min
 Lab File: VD059945.D
 Acq: 4 Sep 2018 15:31

Tgt Ion: 75 Resp: 303121
 Ion Ratio Lower Upper
 75 100
 110 35.8 18.6 56.0
 77 31.5 25.1 37.7

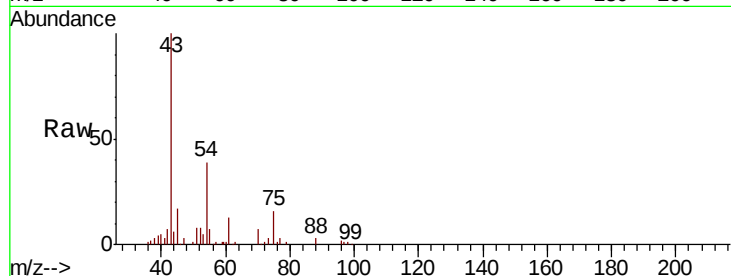




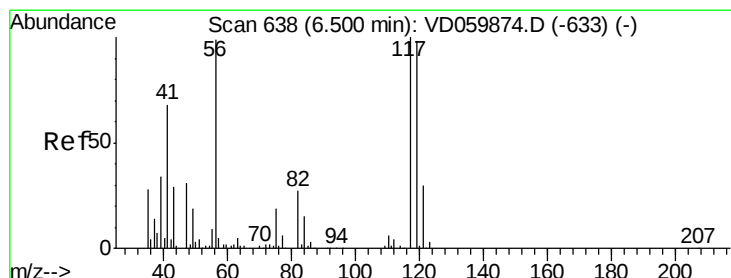
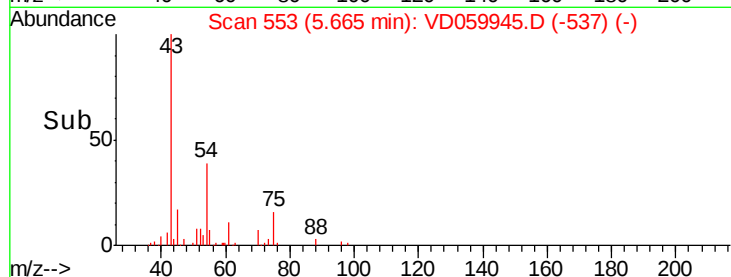
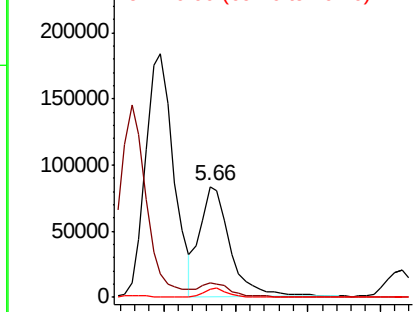
#37
Ethyl Acetate
Concen: 20.03 ug/l
RT: 5.66 min Scan# 553
Delta R.T. -0.04 min
Lab File: VD059945.D
Acq: 4 Sep 2018 15:31

Instrument :
MSVOA_D
ClientSampleID :
VD0904SBS01

Tot Ion: 43 Resp: 238511
Ion Ratio Lower Upper
43 100
61 12.8 11.0 16.6
70 7.1 5.7 8.5

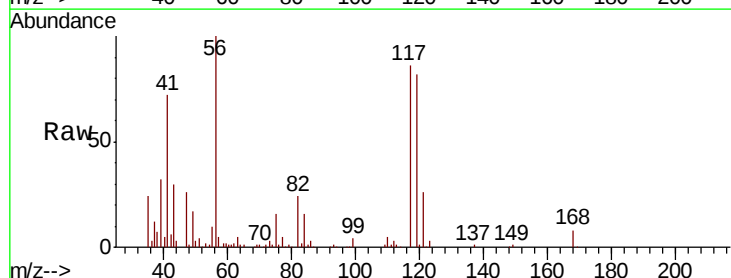


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

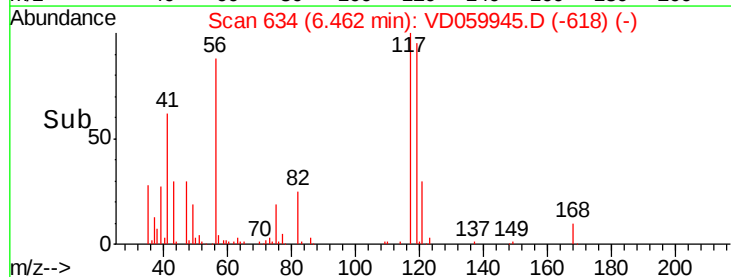
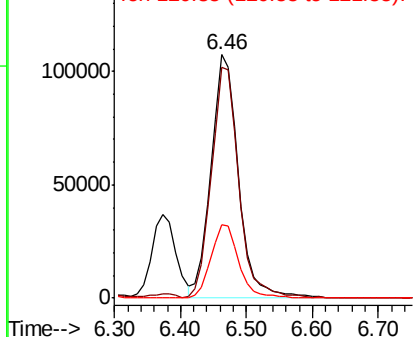


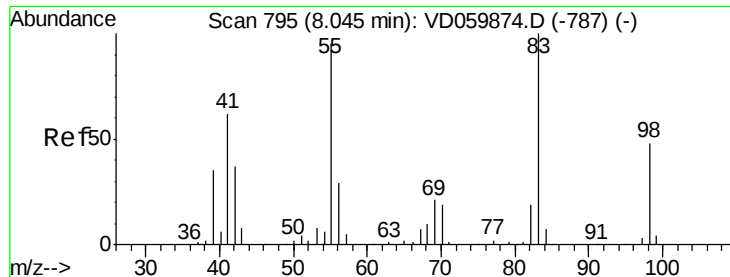
#38
Carbon Tetrachloride
Concen: 20.00 ug/l
RT: 6.46 min Scan# 634
Delta R.T. -0.04 min
Lab File: VD059945.D
Acq: 4 Sep 2018 15:31

Tgt Ion: 117 Resp: 308893
Ion Ratio Lower Upper
117 100
119 94.7 77.2 115.8
121 30.2 24.0 36.0



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

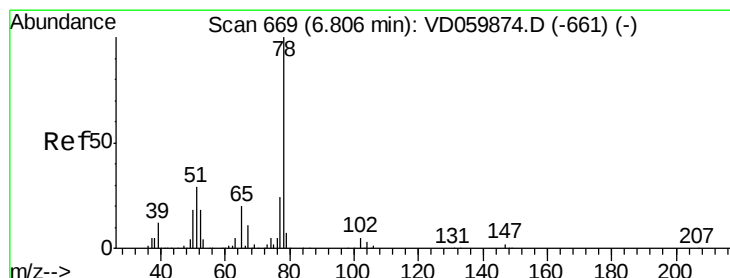
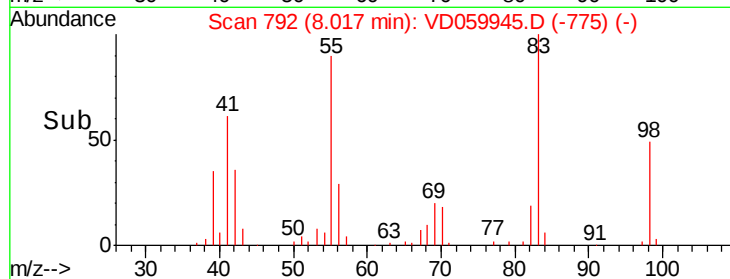
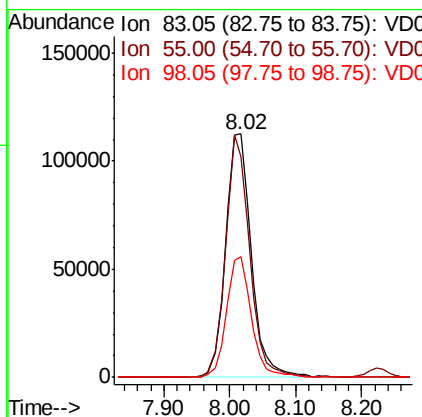
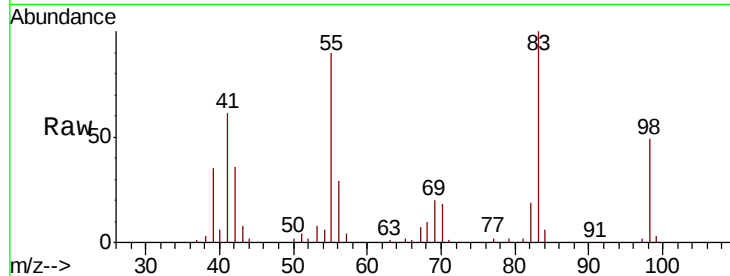




#39
Methvlcvclohexane
Concen: 18.61 ug/l
RT: 8.02 min Scan# 792
Delta R.T. -0.03 min
Lab File: VD059945.D
Acq: 4 Sep 2018 15:31

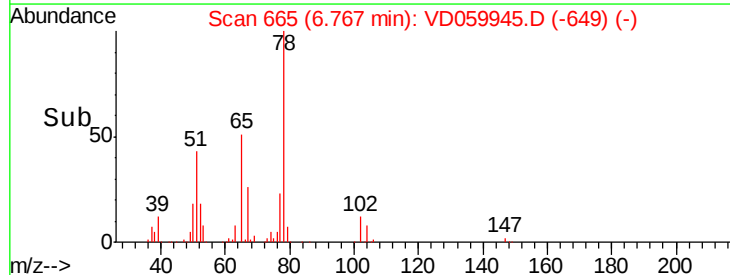
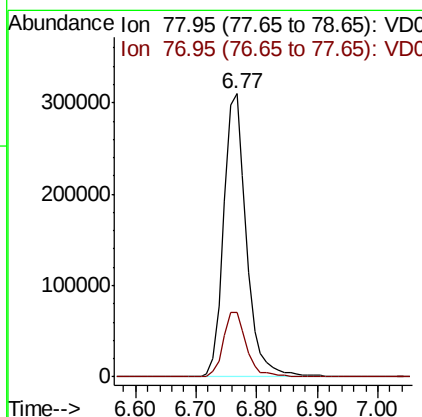
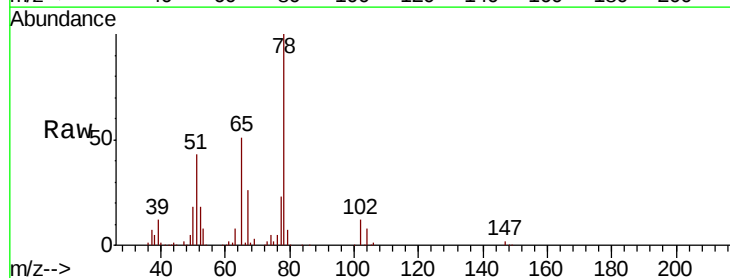
Instrument :
MSVOA_D
ClientSampleId :
VD0904SBS01

Tot Ion: 83 Resp: 307724
Ion Ratio Lower Upper
83 100
55 90.4 75.8 113.6
98 49.5 38.3 57.5



#40
Benzene
Concen: 20.32 ug/l
RT: 6.77 min Scan# 665
Delta R.T. -0.04 min
Lab File: VD059945.D
Acq: 4 Sep 2018 15:31

Tgt Ion: 78 Resp: 808319
Ion Ratio Lower Upper
78 100
77 22.8 19.0 28.4

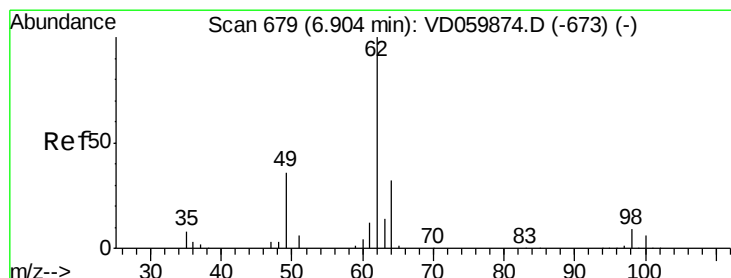
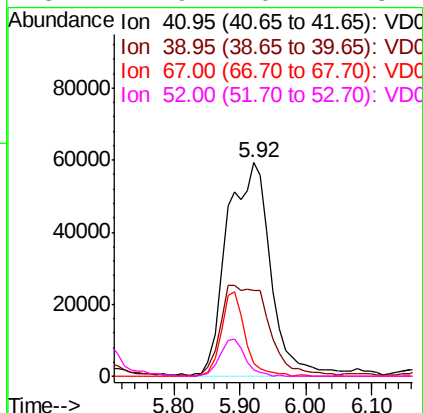
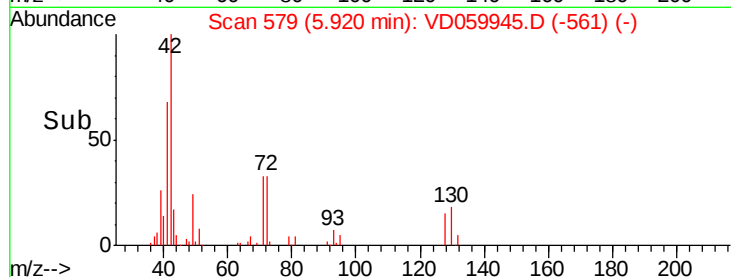
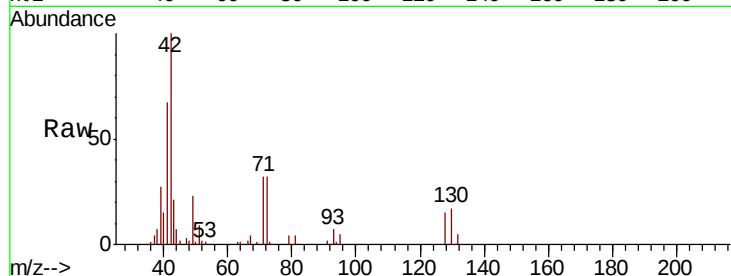




#41
Methacrylonitrile
Concen: 45.95 ug/l
RT: 5.92 min Scan# 579
Delta R.T. -0.02 min
Lab File: VD059945.D
Acq: 4 Sep 2018 15:31

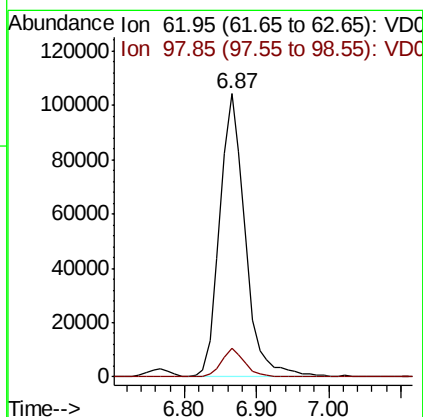
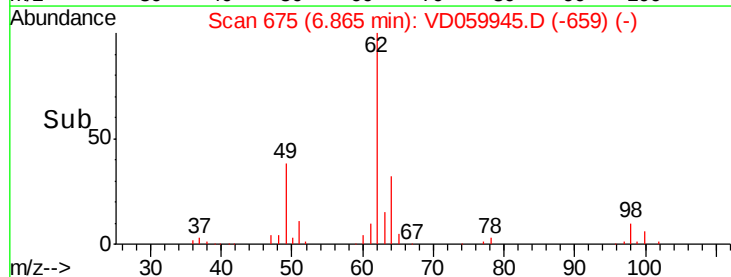
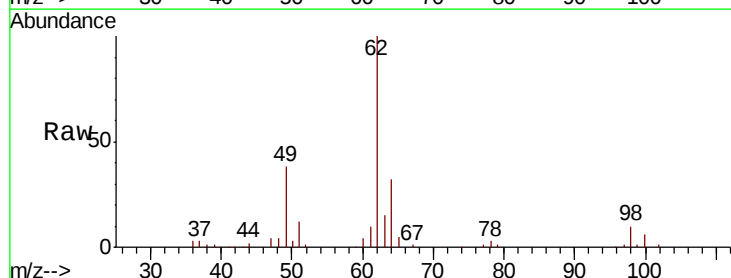
Instrument :
MSVOA_D
ClientSampleId :
VD0904SBS01

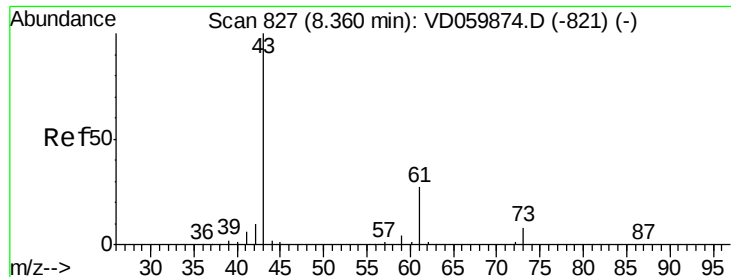
Tot Ion: 41 Resp: 275584
Ion Ratio Lower Upper
41 100
39 40.4 39.4 59.2
67 6.2 22.2 33.2#
52 2.9 10.1 15.1#



#42
1,2-Dichloroethane
Concen: 19.96 ug/l
RT: 6.87 min Scan# 675
Delta R.T. -0.04 min
Lab File: VD059945.D
Acq: 4 Sep 2018 15:31

Tgt Ion: 62 Resp: 254903
Ion Ratio Lower Upper
62 100
98 10.1 0.0 18.4



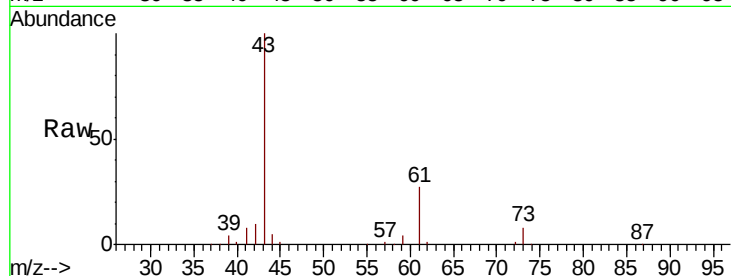


#43

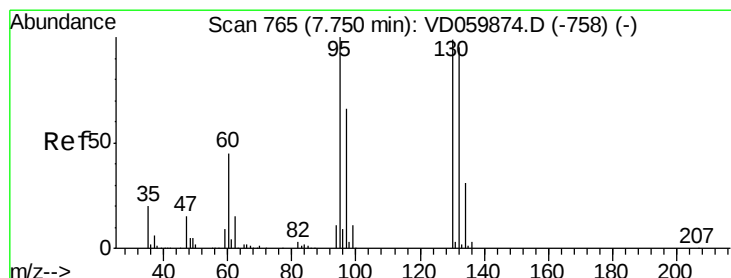
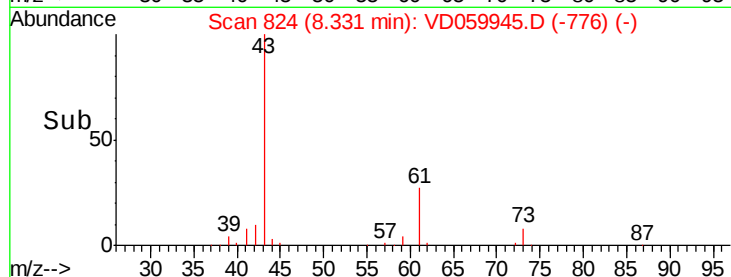
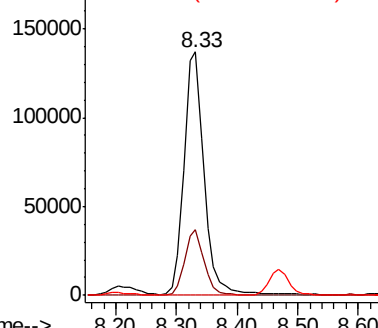
Isopropyl Acetate
 Concen: 20.24 ug/l
 RT: 8.33 min Scan# 824
 Delta R.T. -0.03 min
 Lab File: VD059945.D
 Acq: 4 Sep 2018 15:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBS01

Tot Ion: 43 Resp: 313574
 Ion Ratio Lower Upper
 43 100
 61 26.9 21.4 32.2
 87 0.3 0.2 0.4



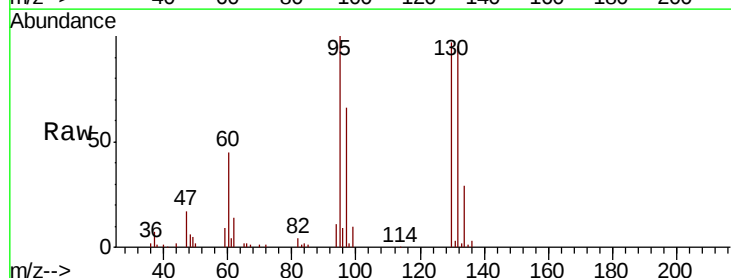
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



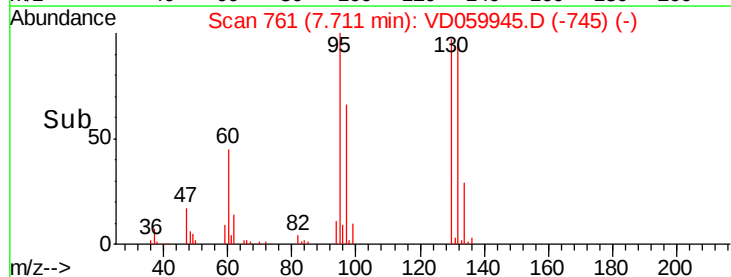
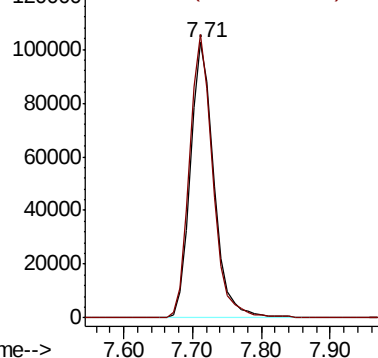
#44

Trichloroethene
 Concen: 20.62 ug/l
 RT: 7.71 min Scan# 761
 Delta R.T. -0.04 min
 Lab File: VD059945.D
 Acq: 4 Sep 2018 15:31

Tgt Ion: 130 Resp: 241563
 Ion Ratio Lower Upper
 130 100
 95 102.7 0.0 202.0



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

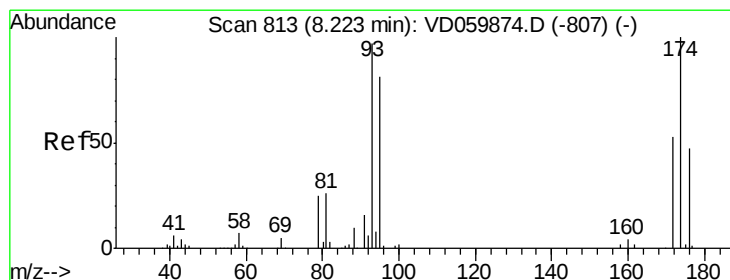
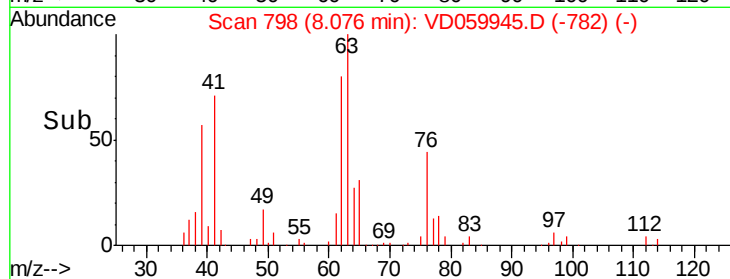
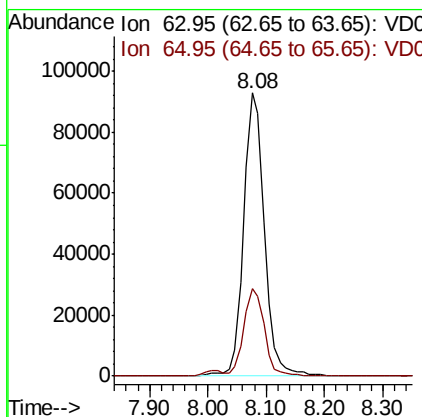
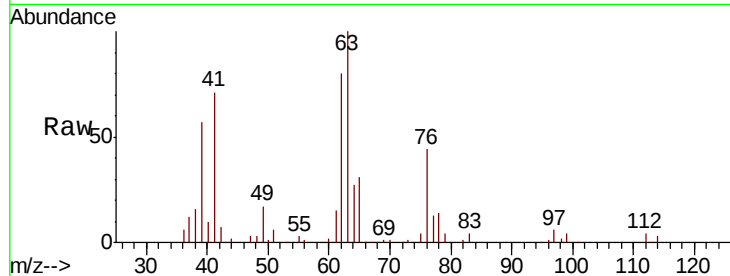




#45
 1,2-Dichloropropane
 Concen: 20.70 ug/l
 RT: 8.08 min Scan# 798
 Delta R.T. -0.04 min
 Lab File: VD059945.D
 Acq: 4 Sep 2018 15:31

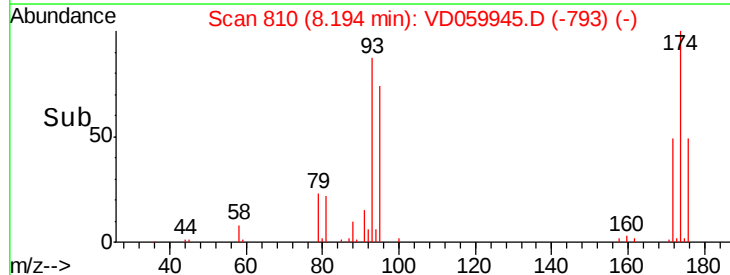
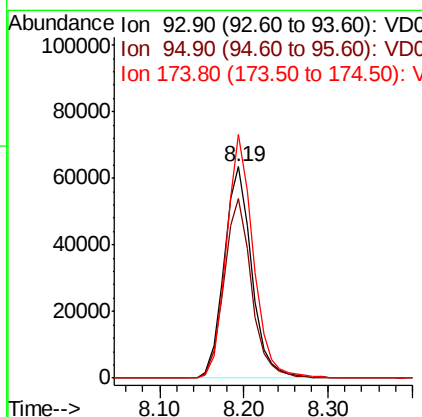
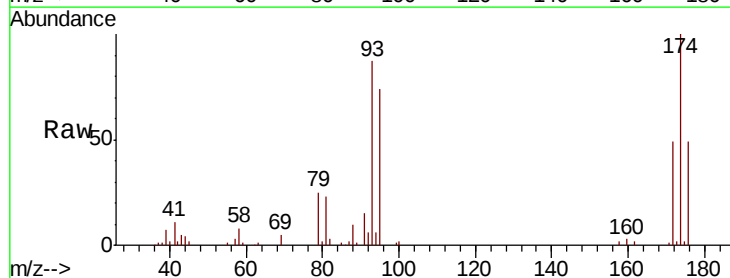
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBS01

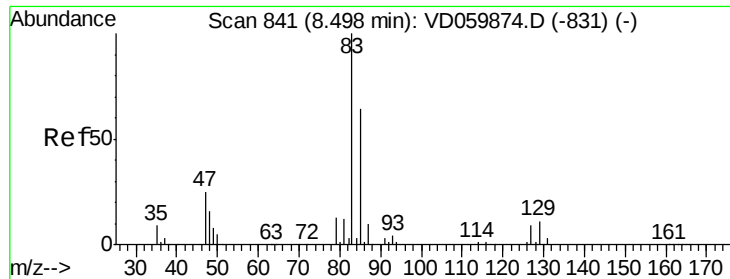
Tot Ion: 63 Resp: 230194
 Ion Ratio Lower Upper
 63 100
 65 30.8 23.5 35.3



#46
 Dibromomethane
 Concen: 20.13 ug/l
 RT: 8.19 min Scan# 810
 Delta R.T. -0.03 min
 Lab File: VD059945.D
 Acq: 4 Sep 2018 15:31

Tgt Ion: 93 Resp: 143959
 Ion Ratio Lower Upper
 93 100
 95 85.1 66.6 100.0
 174 115.2 82.4 123.6





#47

Bromodichloromethane

Concen: 20.27 ug/l

RT: 8.47 min Scan# 838

Delta R.T. -0.03 min

Lab File: VD059945.D

Acq: 4 Sep 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBS01

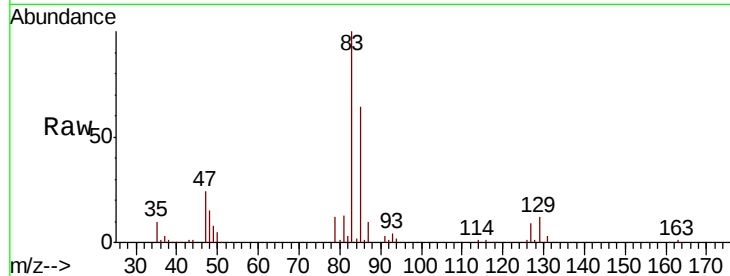
Tot Ion: 83 Resp: 328064

Ion Ratio Lower Upper

83 100

85 64.4 51.3 76.9

127 8.6 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

200000

150000

100000

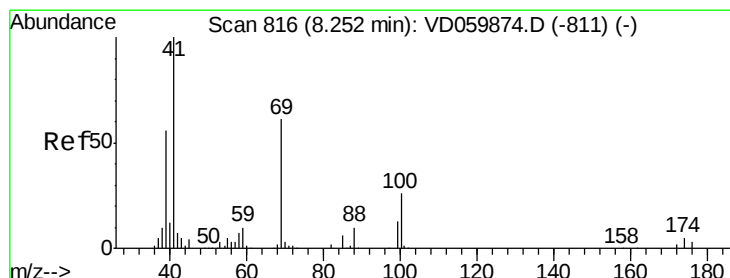
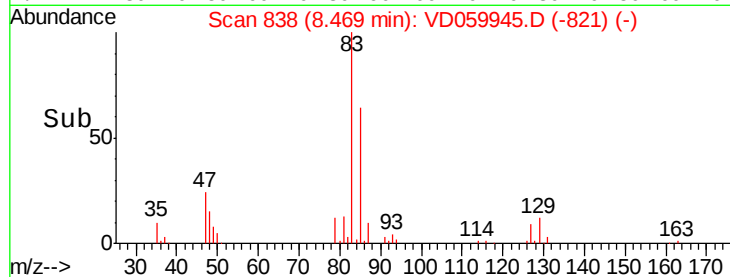
50000

0

8.47

8.30 8.40 8.50 8.60

Time-->



#48

Methyl methacrylate

Concen: 19.37 ug/l

RT: 8.22 min Scan# 813

Delta R.T. -0.03 min

Lab File: VD059945.D

Acq: 4 Sep 2018 15:31

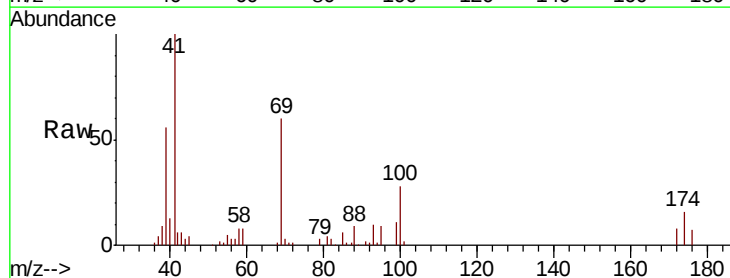
Tgt Ion: 41 Resp: 174882

Ion Ratio Lower Upper

41 100

69 59.6 48.0 72.0

39 55.5 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

100000

80000

60000

40000

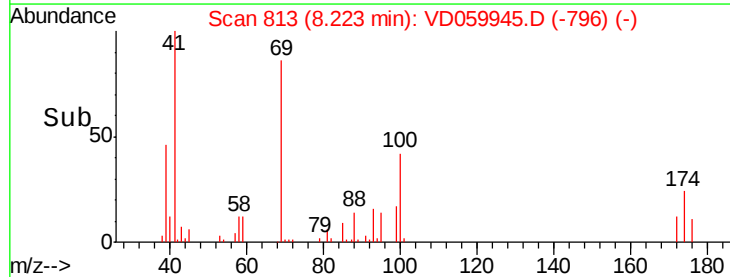
20000

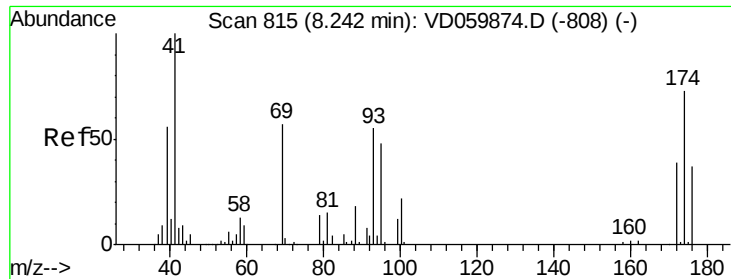
0

8.22

8.15 8.20 8.25 8.30

Time-->





#49

1,4-Dioxane

Concen: 427.42 ug/l

RT: 8.21 min Scan# 812

Delta R.T. -0.03 min

Lab File: VD059945.D

Acq: 4 Sep 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBS01

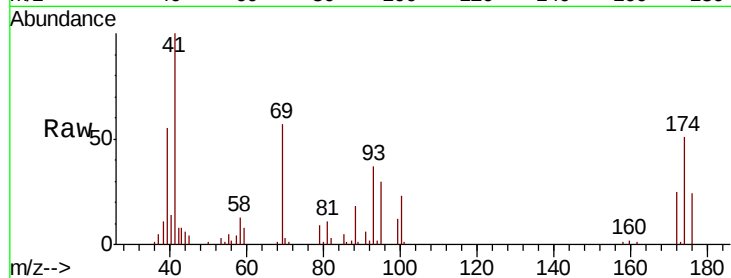
Tot Ion: 88 Resp: 34458

Ion Ratio Lower Upper

88 100

43 43.8 45.0 67.6#

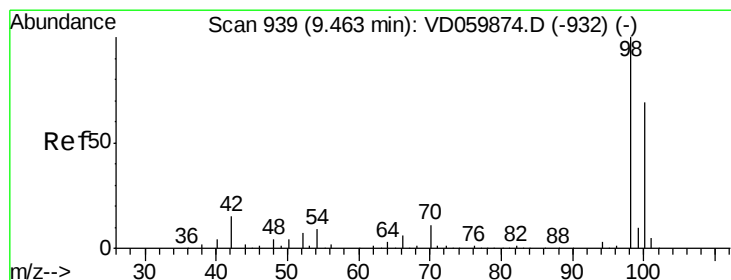
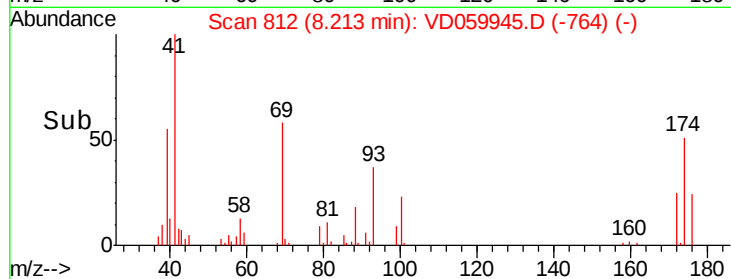
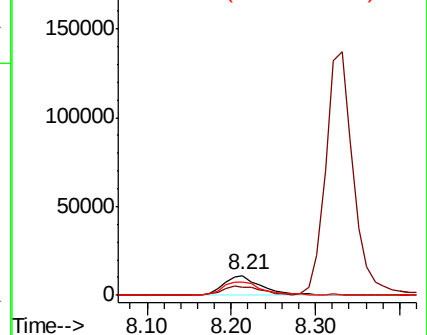
58 70.1 55.8 83.8



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: 427.42 ug/l

RT: 9.43 min Scan# 936

Delta R.T. -0.03 min

Lab File: VD059945.D

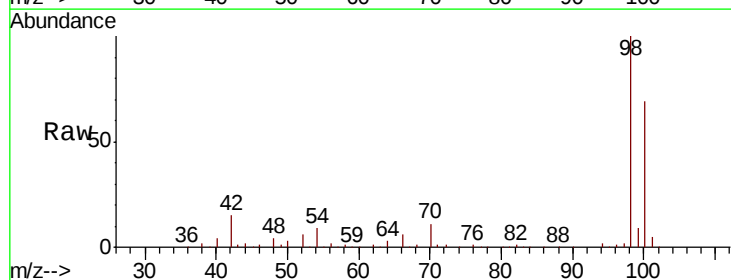
Acq: 4 Sep 2018 15:31

Tgt Ion: 98 Resp: 1740169

Ion Ratio Lower Upper

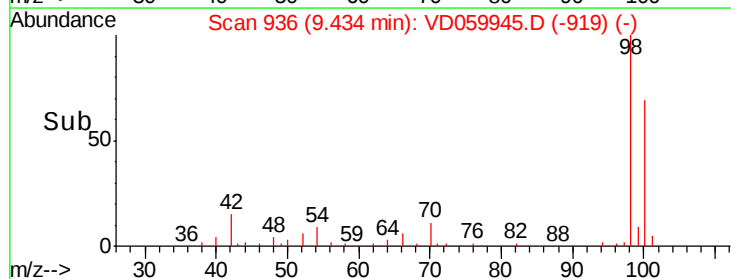
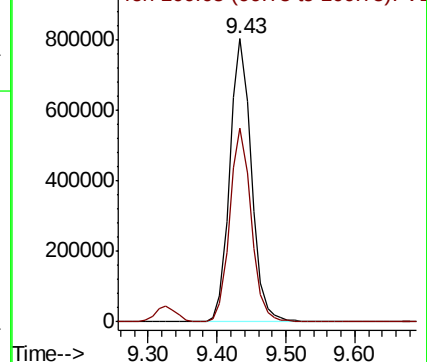
98 100

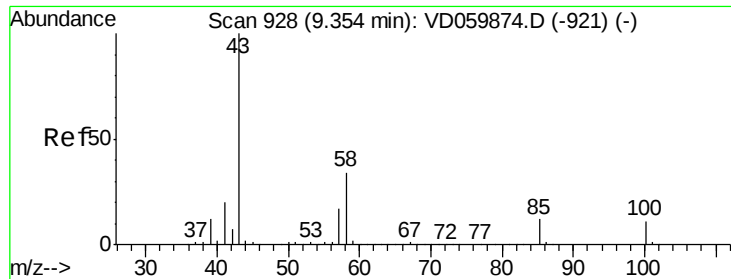
100 68.6 55.8 83.6



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: 89.03 ug/l

RT: 9.33 min Scan# 925

Delta R.T. -0.03 min

Lab File: VD059945.D

Acq: 4 Sep 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

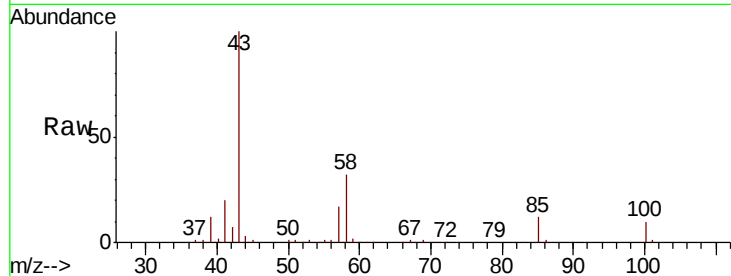
VD0904SBS01

Tot Ion: 43 Resp: 1028137

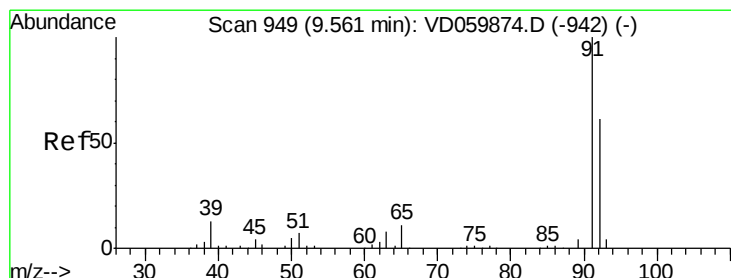
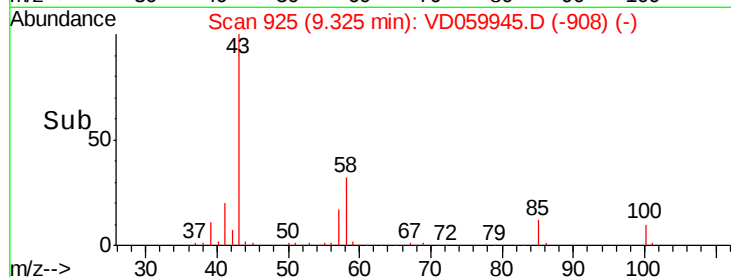
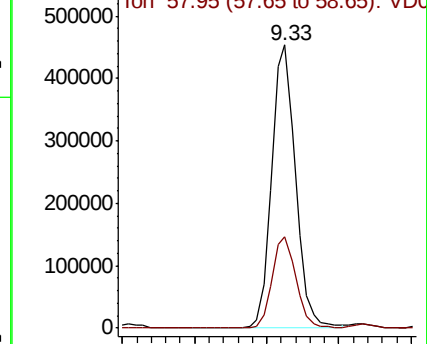
Ion Ratio Lower Upper

43 100

58 32.2 27.0 40.4



Abundance Ion 42.95 (42.65 to 43.65): VDC



#52

Toluene

Concen: 20.58 ug/l

RT: 9.52 min Scan# 945

Delta R.T. -0.04 min

Lab File: VD059945.D

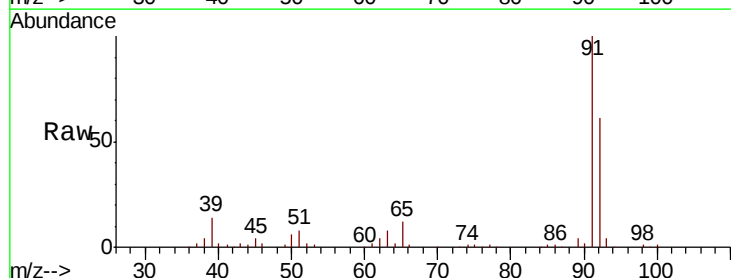
Acq: 4 Sep 2018 15:31

Tgt Ion: 92 Resp: 524961

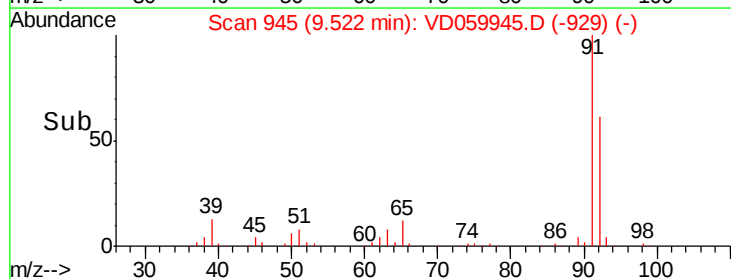
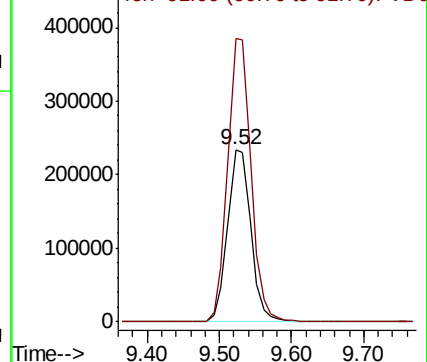
Ion Ratio Lower Upper

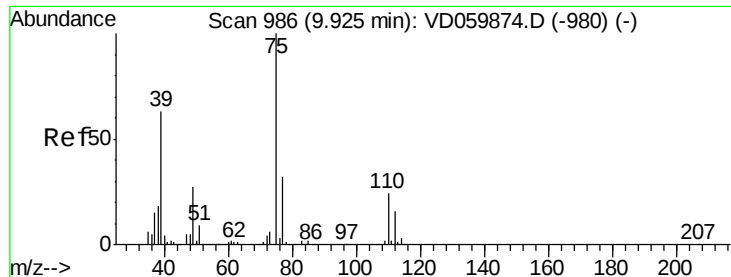
92 100

91 164.4 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC





#53

t-1,3-Dichloropropene

Concen: 19.78 ug/l

RT: 9.90 min Scan# 983

Delta R.T. -0.03 min

Lab File: VD059945.D

Acq: 4 Sep 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

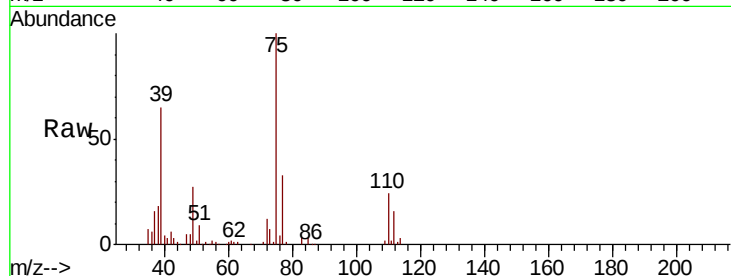
VD0904SBS01

Tot Ion: 75 Resp: 296156

Ion Ratio Lower Upper

75 100

77 33.1 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

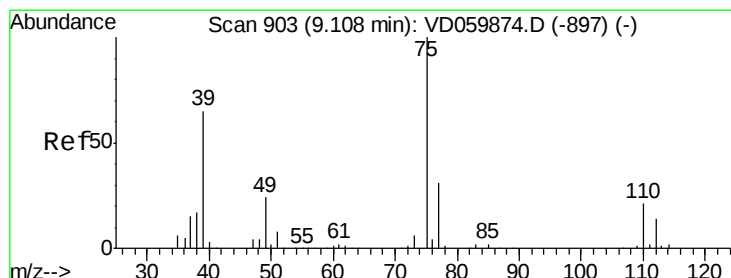
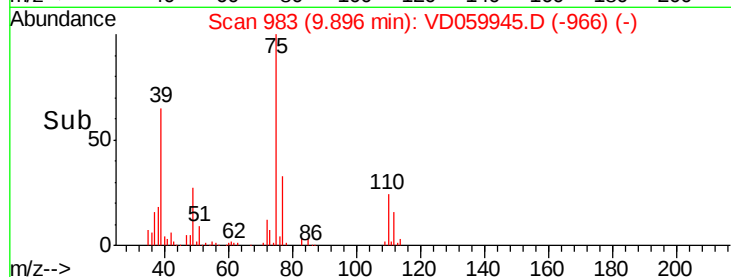
50000

0

9.90

9.80 9.90 10.00

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.45 ug/l

RT: 9.08 min Scan# 900

Delta R.T. -0.03 min

Lab File: VD059945.D

Acq: 4 Sep 2018 15:31

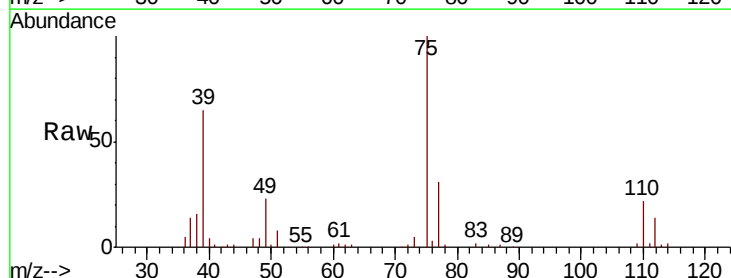
Tgt Ion: 75 Resp: 355050

Ion Ratio Lower Upper

75 100

77 31.0 24.8 37.2

39 64.7 52.1 78.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

200000

150000

100000

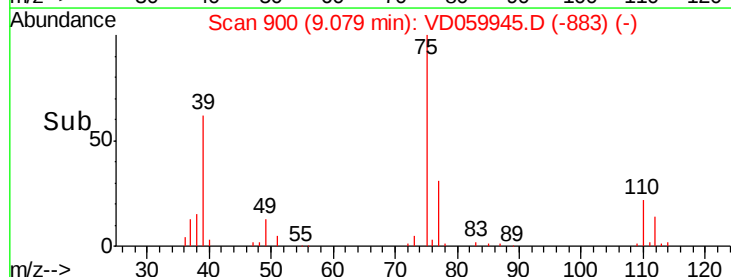
50000

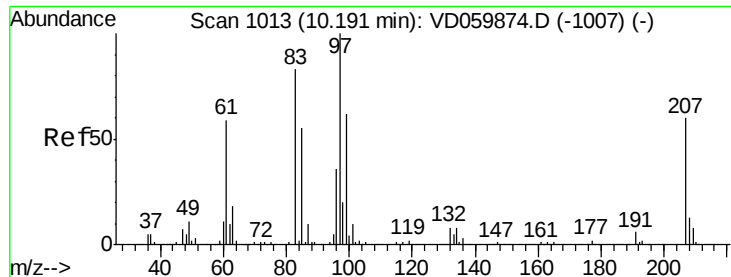
0

9.08

9.00 9.10 9.20 9.30

Time-->

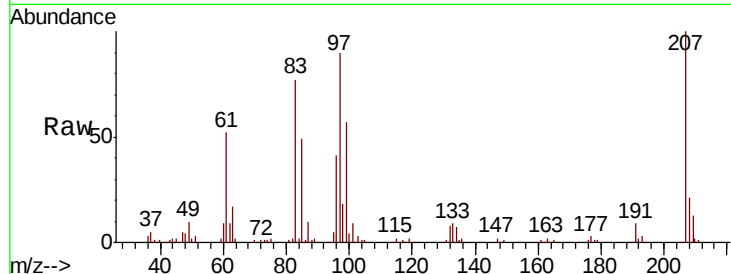




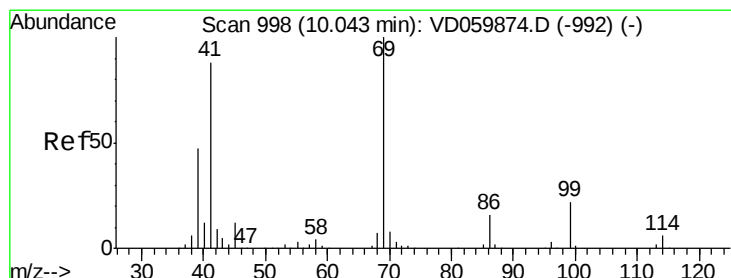
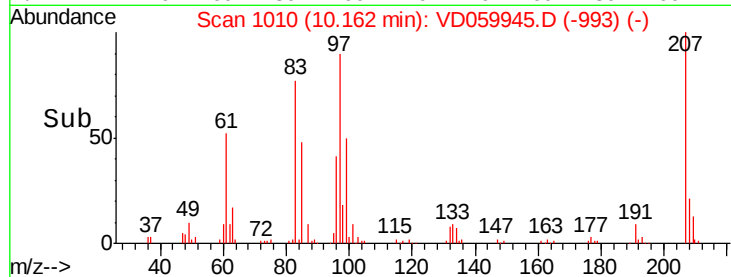
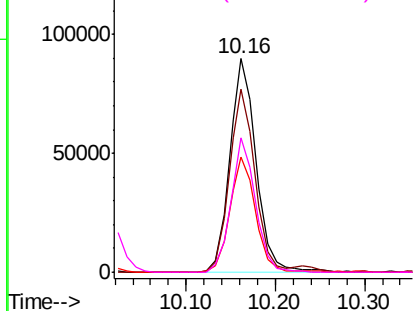
#55
 1,1,2-Trichloroethane
 Concen: 19.96 ug/l
 RT: 10.16 min Scan# 1010
 Delta R.T. -0.03 min
 Lab File: VD059945.D
 Acq: 4 Sep 2018 15:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBS01

Tot Ion: 97 Resp: 186136
 Ion Ratio Lower Upper
 97 100
 83 85.5 66.7 100.1
 85 53.8 43.8 65.6
 99 62.8 49.8 74.6

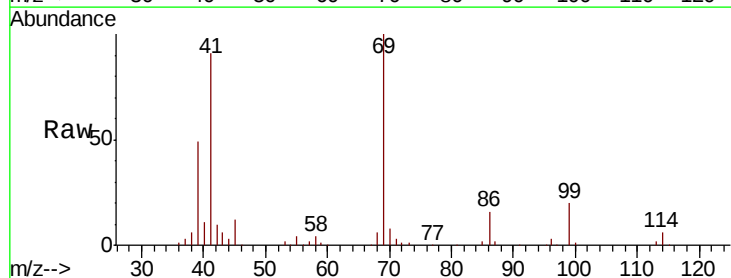


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

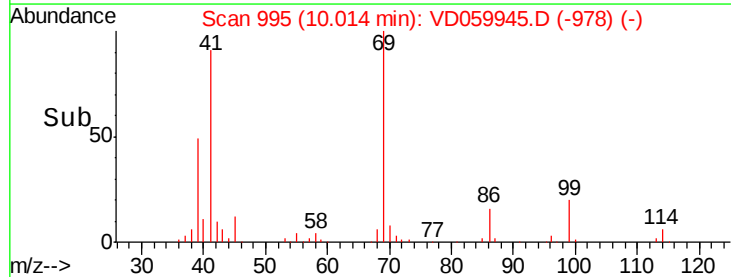
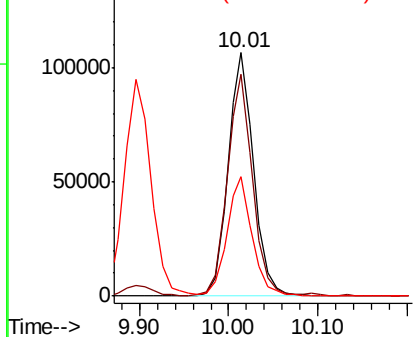


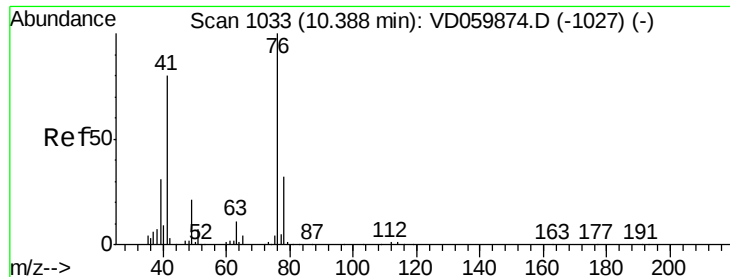
#56
 Ethyl methacrylate
 Concen: 19.83 ug/l
 RT: 10.01 min Scan# 995
 Delta R.T. -0.03 min
 Lab File: VD059945.D
 Acq: 4 Sep 2018 15:31

Tgt Ion: 69 Resp: 213418
 Ion Ratio Lower Upper
 69 100
 41 91.2 71.0 106.4
 39 49.1 38.5 57.7



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

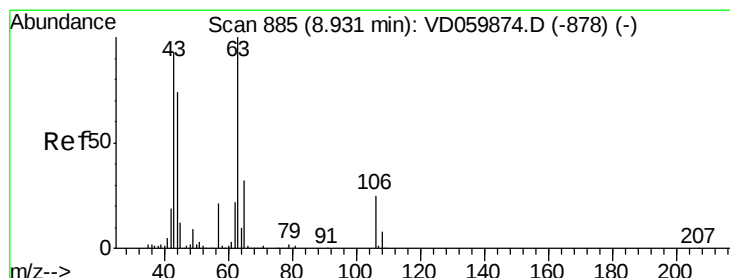
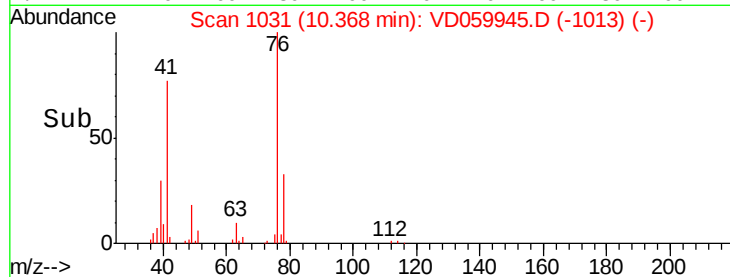
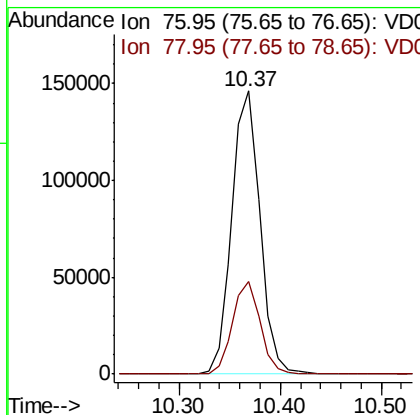
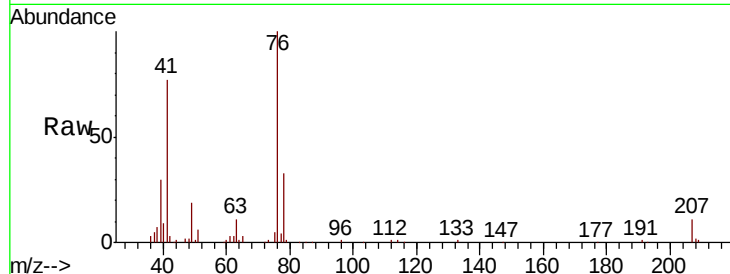




#57
 1,3-Dichloropropane
 Concen: 20.98 ug/l
 RT: 10.37 min Scan# 1031
 Delta R.T. -0.02 min
 Lab File: VD059945.D
 Acq: 4 Sep 2018 15:31

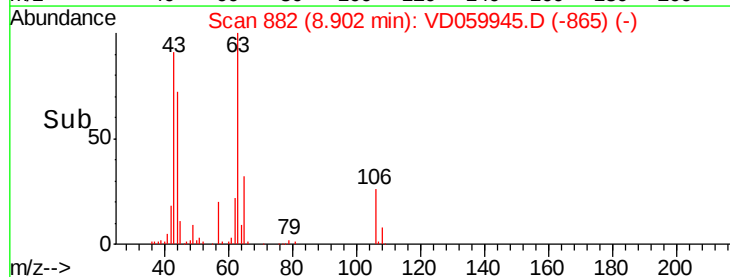
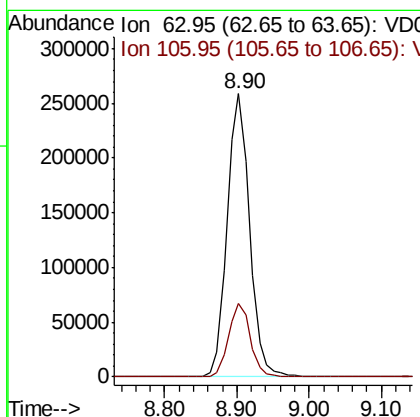
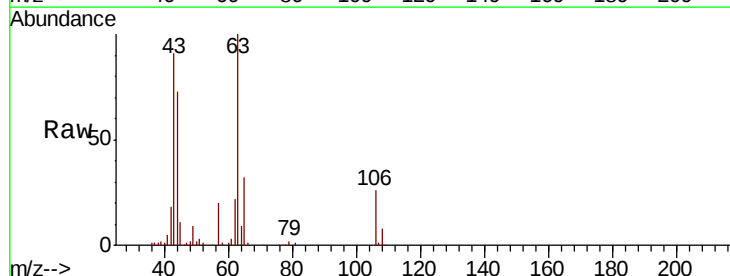
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBS01

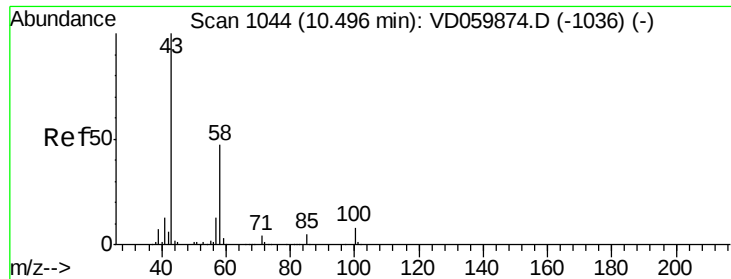
Tot Ion: 76 Resp: 283207
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.40 ug/l
 RT: 8.90 min Scan# 882
 Delta R.T. -0.03 min
 Lab File: VD059945.D
 Acq: 4 Sep 2018 15:31

Tgt Ion: 63 Resp: 559678
 Ion Ratio Lower Upper
 63 100
 106 26.1 20.1 30.1

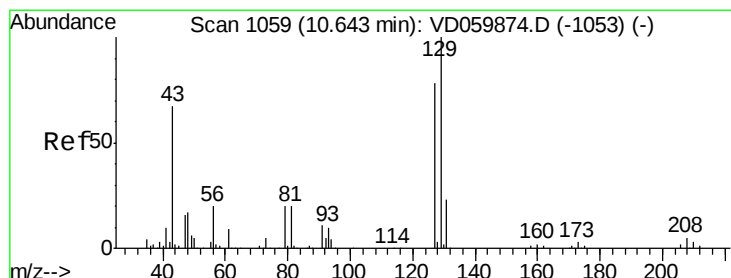
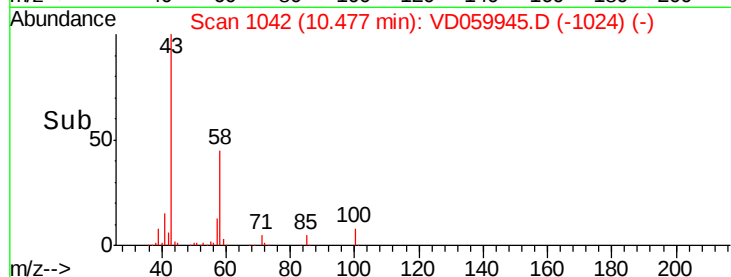
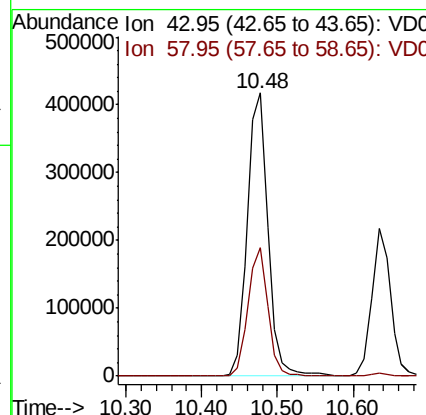
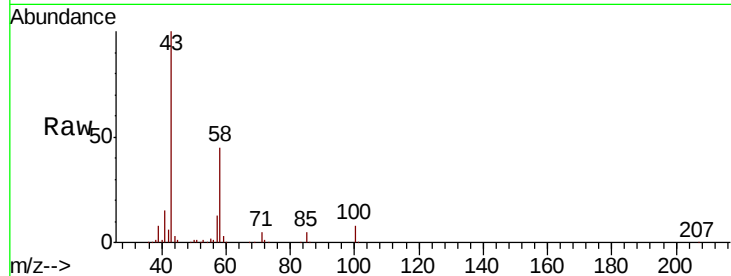




#59
2-Hexanone
Concen: 92.76 ug/l
RT: 10.48 min Scan# 1042
Delta R.T. -0.02 min
Lab File: VD059945.D
Acq: 4 Sep 2018 15:31

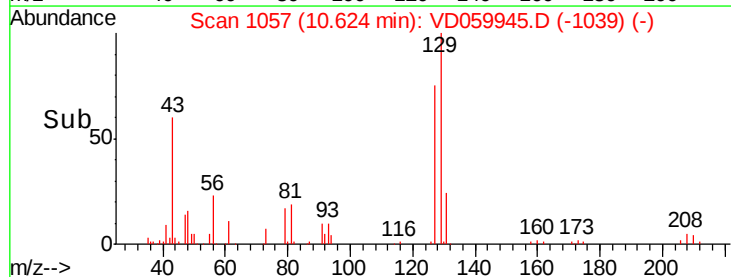
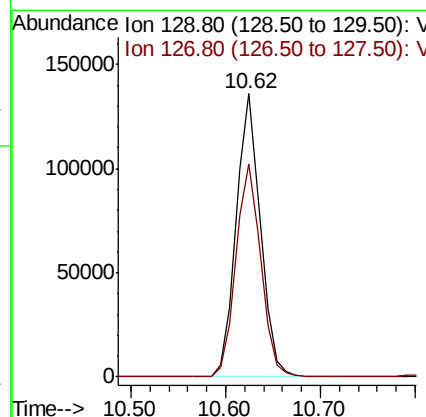
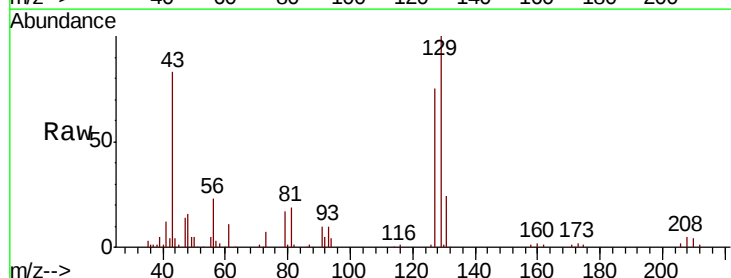
Instrument :
MSVOA_D
ClientSampleId :
VD0904SBS01

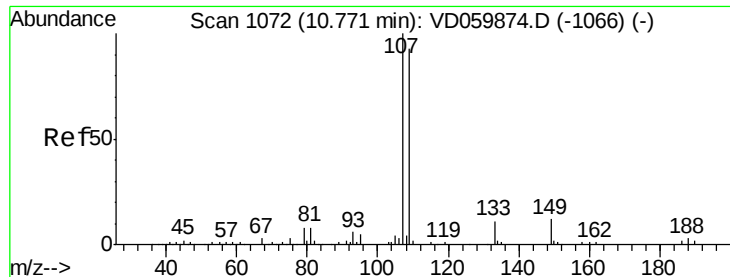
Tot Ion: 43 Resp: 790103
Ion Ratio Lower Upper
43 100
58 45.2 23.3 69.8



#60
Dibromochloromethane
Concen: 20.54 ug/l
RT: 10.62 min Scan# 1057
Delta R.T. -0.02 min
Lab File: VD059945.D
Acq: 4 Sep 2018 15:31

Tgt Ion: 129 Resp: 240795
Ion Ratio Lower Upper
129 100
127 75.4 39.1 117.2

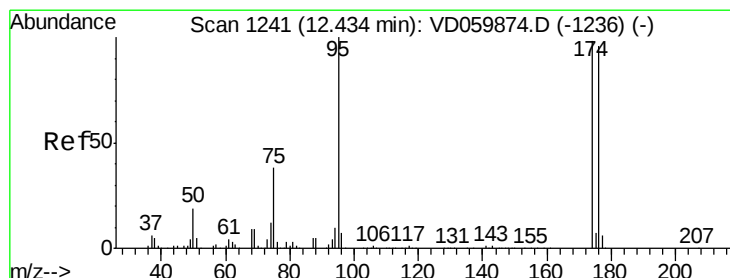
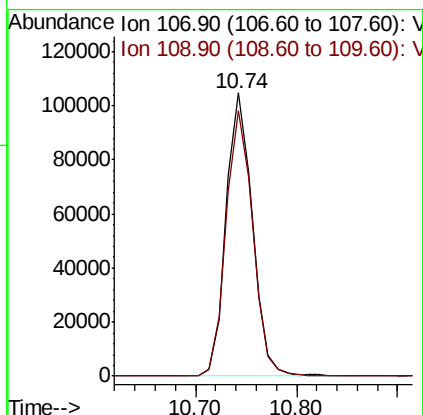
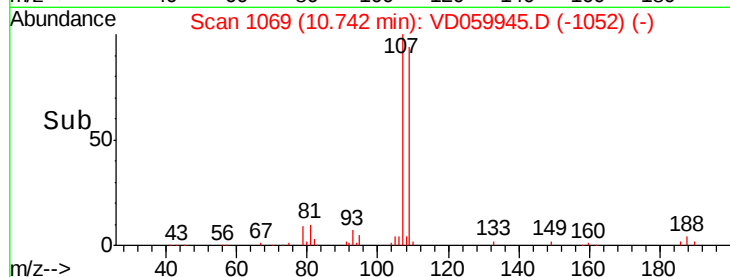
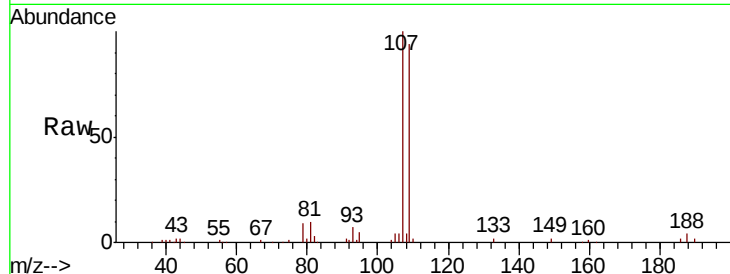




#61
 1,2-Dibromoethane
 Concen: 20.10 ug/l
 RT: 10.74 min Scan# 1069
 Delta R.T. -0.03 min
 Lab File: VD059945.D
 Acq: 4 Sep 2018 15:31

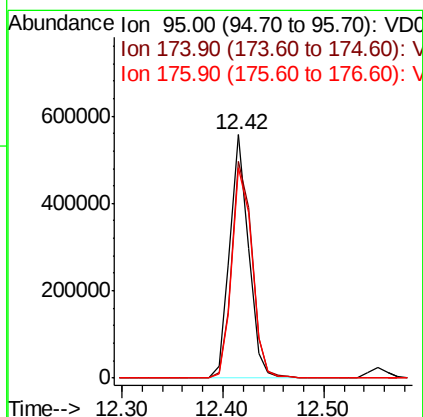
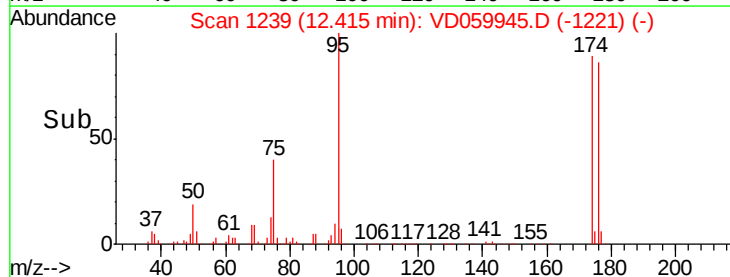
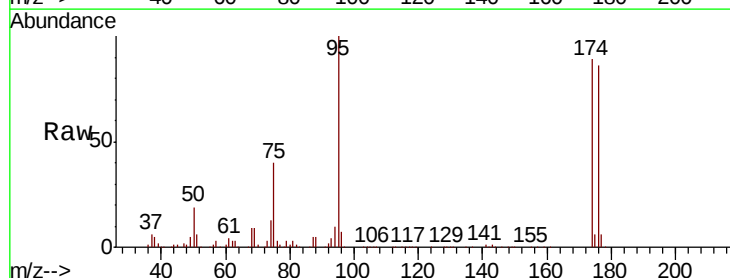
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBS01

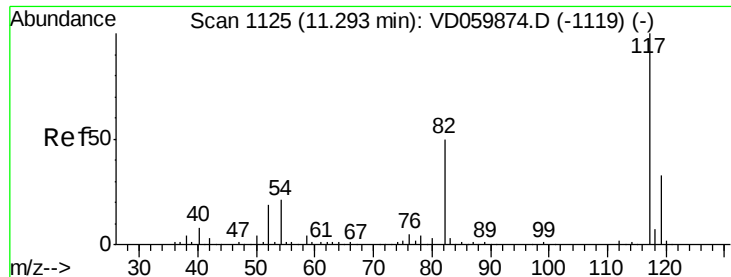
Tot Ion:107 Resp: 189560
 Ion Ratio Lower Upper
 107 100
 109 93.7 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 20.10 ug/l
 RT: 12.42 min Scan# 1239
 Delta R.T. -0.02 min
 Lab File: VD059945.D
 Acq: 4 Sep 2018 15:31

Tgt Ion: 95 Resp: 720470
 Ion Ratio Lower Upper
 95 100
 174 88.8 0.0 195.6
 176 86.1 0.0 191.2

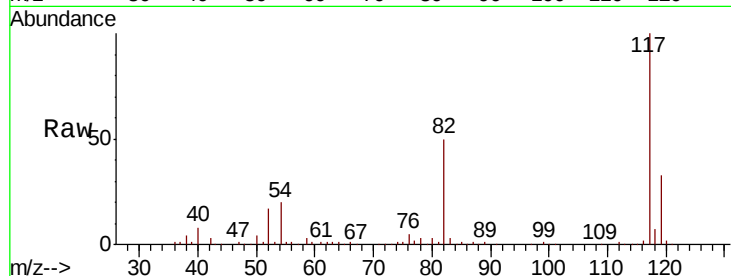




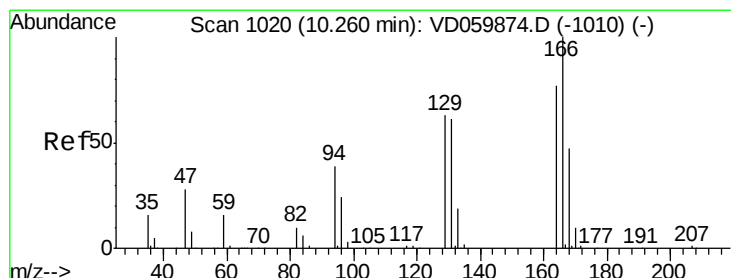
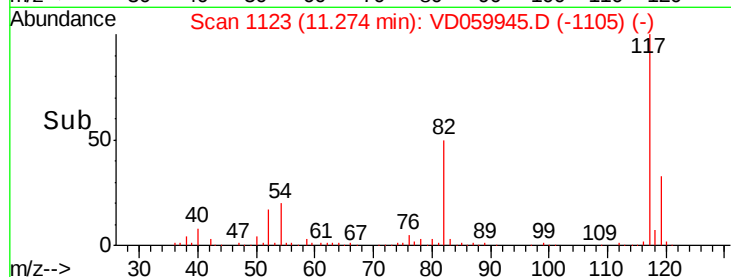
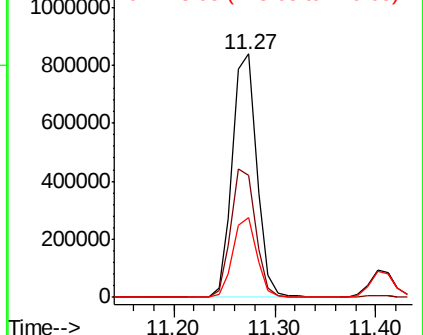
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.27 min Scan# 1123
Delta R.T. -0.02 min
Lab File: VD059945.D
Acq: 4 Sep 2018 15:31

Instrument :
MSVOA_D
ClientSampleId :
VD0904SBS01

Tot Ion:117 Resp: 1416950
Ion Ratio Lower Upper
117 100
82 50.0 40.1 60.1
119 32.7 26.7 40.1

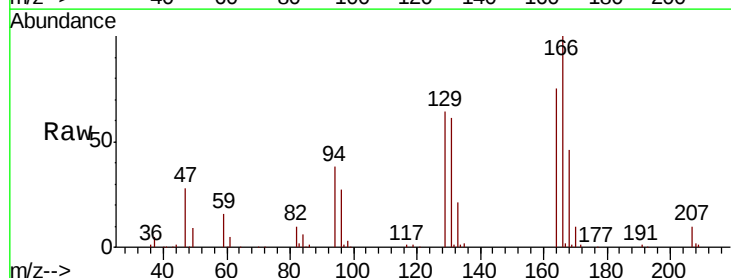


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

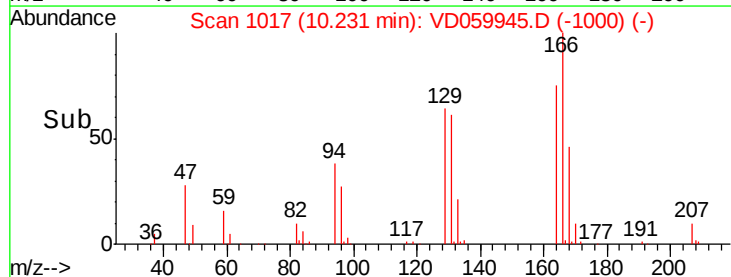
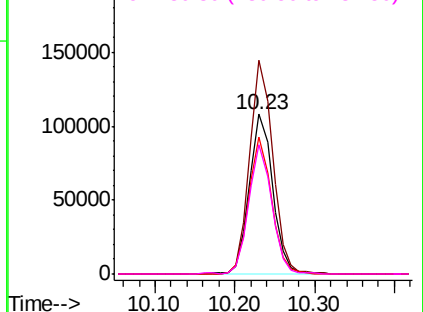


#64
Tetrachloroethene
Concen: 19.89 ug/l
RT: 10.23 min Scan# 1017
Delta R.T. -0.03 min
Lab File: VD059945.D
Acq: 4 Sep 2018 15:31

Tgt Ion:164 Resp: 217895
Ion Ratio Lower Upper
164 100
166 133.9 103.4 155.2
129 86.1 65.2 97.8
131 81.4 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

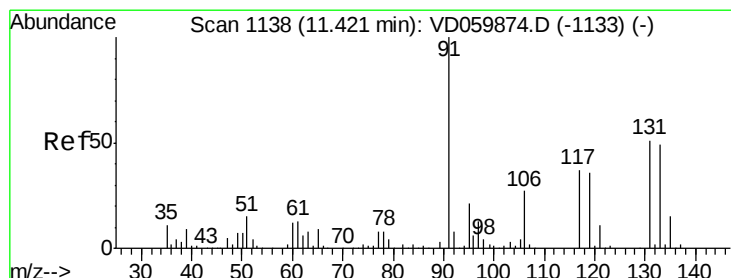
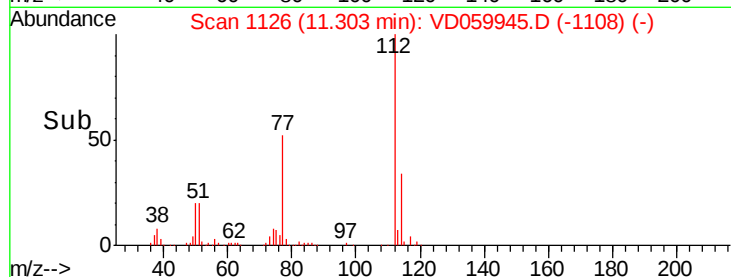
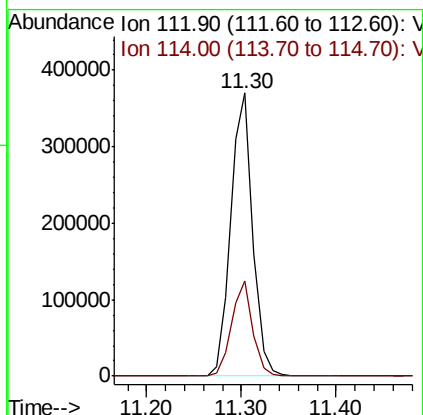
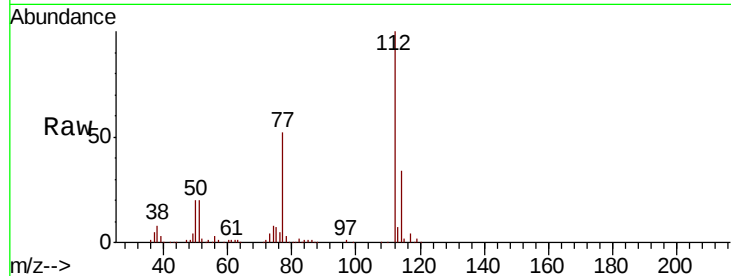




#65
Chlorobenzene
Concen: 21.01 ug/l
RT: 11.30 min Scan# 1126
Delta R.T. -0.02 min
Lab File: VD059945.D
Acq: 4 Sep 2018 15:31

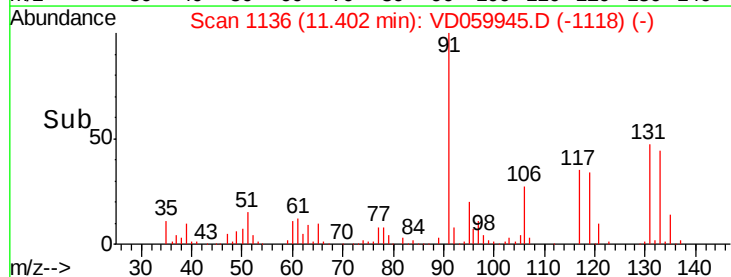
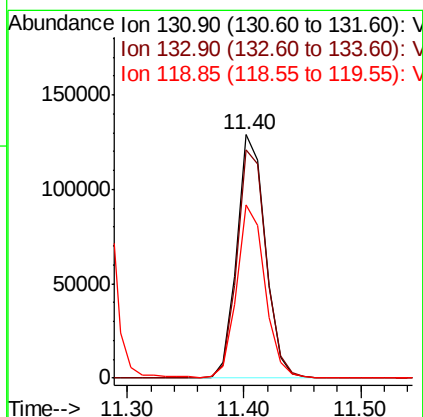
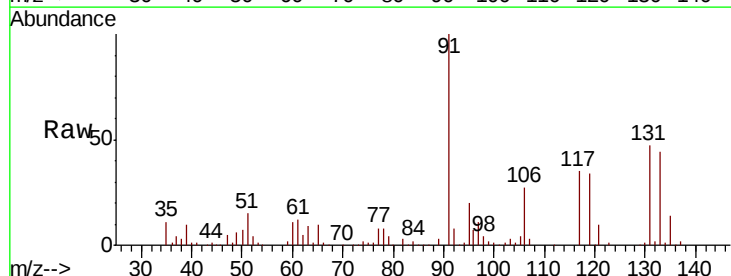
Instrument :
MSVOA_D
ClientSampleId :
VD0904SBS01

Tot Ion:112 Resp: 591714
Ion Ratio Lower Upper
112 100
114 33.5 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 21.30 ug/l
RT: 11.40 min Scan# 1136
Delta R.T. -0.02 min
Lab File: VD059945.D
Acq: 4 Sep 2018 15:31

Tgt Ion:131 Resp: 219151
Ion Ratio Lower Upper
131 100
133 93.8 48.3 144.8
119 70.9 35.4 106.3

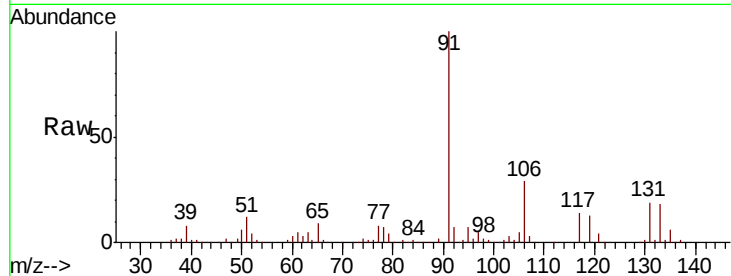




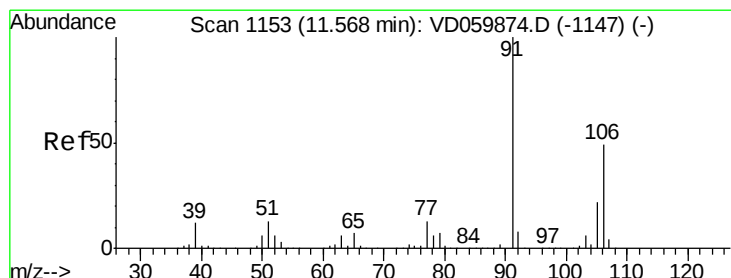
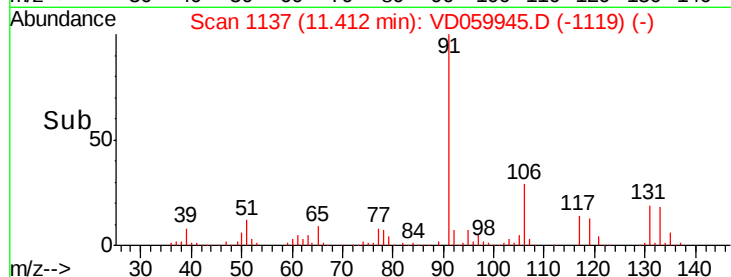
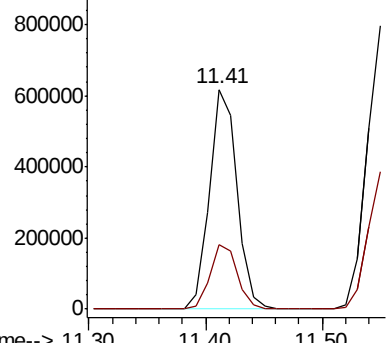
#67
Ethyl Benzene
Concen: 21.36 ug/l
RT: 11.41 min Scan# 1137
Delta R.T. -0.02 min
Lab File: VD059945.D
Acq: 4 Sep 2018 15:31

Instrument :
MSVOA_D
ClientSampleId :
VD0904SBS01

Tot Ion: 91 Resp: 1011985
Ion Ratio Lower Upper
91 100
106 29.3 23.8 35.8

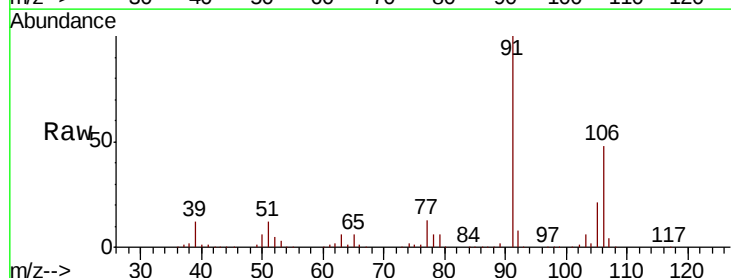


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

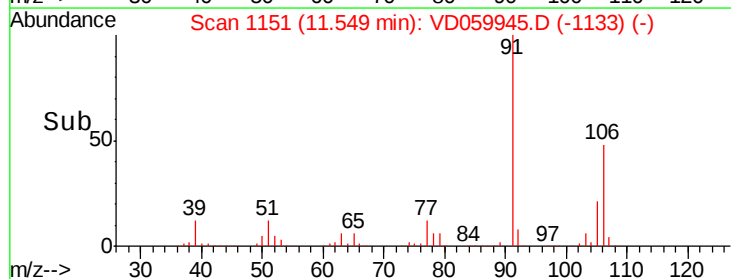
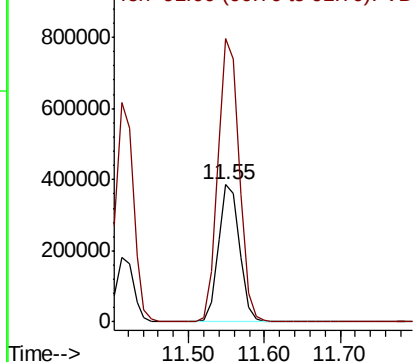


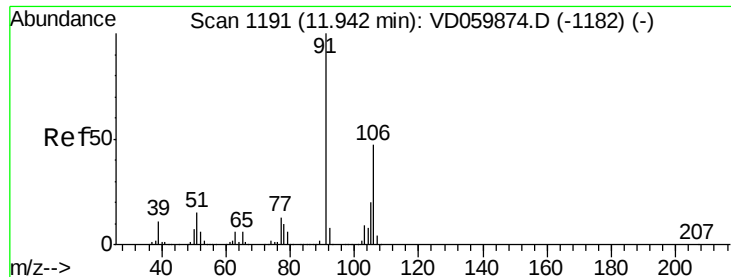
#68
m/p-Xylenes
Concen: 43.83 ug/l
RT: 11.55 min Scan# 1151
Delta R.T. -0.02 min
Lab File: VD059945.D
Acq: 4 Sep 2018 15:31

Tgt Ion: 106 Resp: 756004
Ion Ratio Lower Upper
106 100
91 206.7 162.0 243.0



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

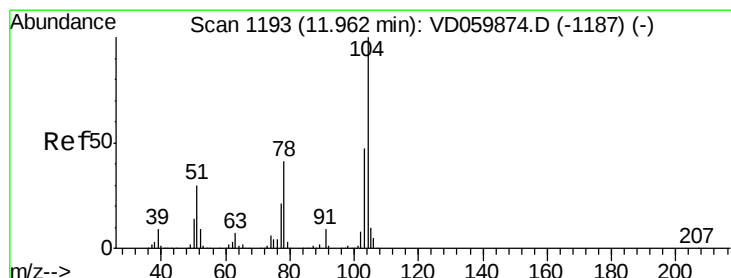
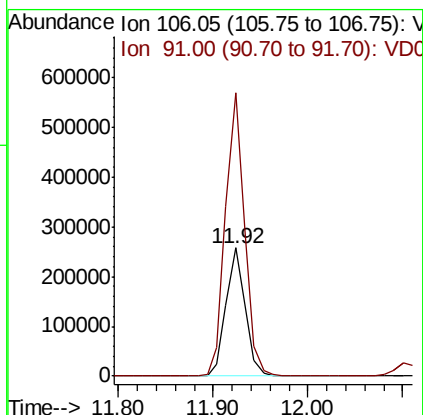
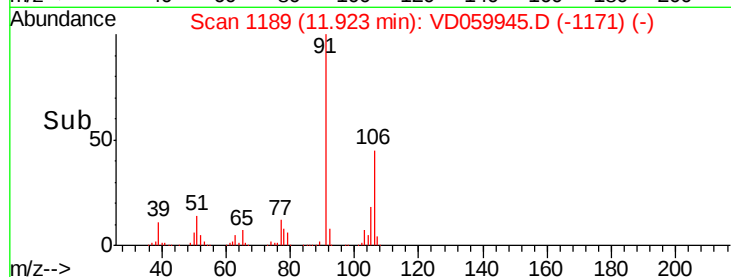
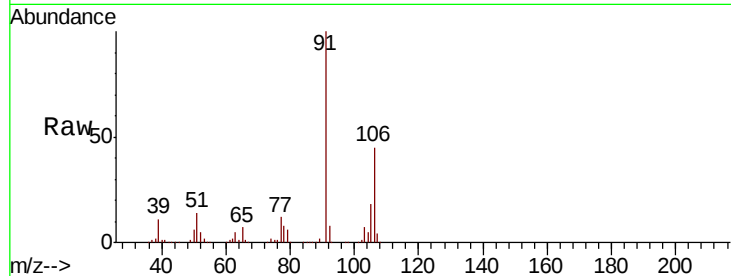




#69
o-Xylene
Concen: 21.38 ug/l
RT: 11.92 min Scan# 1189
Delta R.T. -0.02 min
Lab File: VD059945.D
Acq: 4 Sep 2018 15:31

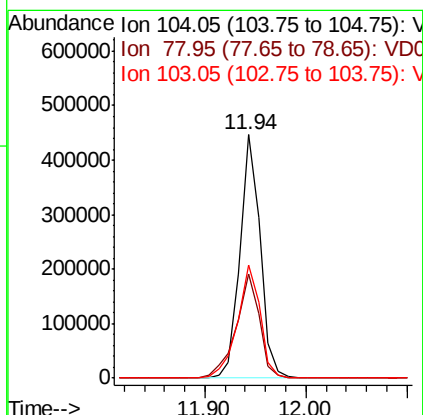
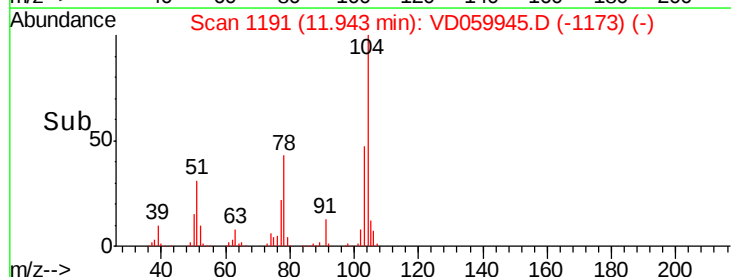
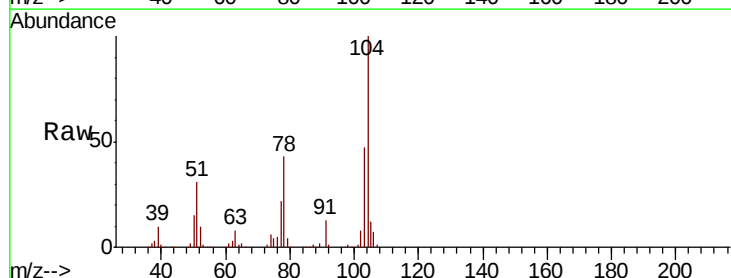
Instrument :
MSVOA_D
ClientSampleId :
VD0904SBS01

Tot Ion:106 Resp: 360733
Ion Ratio Lower Upper
106 100
91 220.8 107.3 322.0



#70
Styrene
Concen: 21.29 ug/l
RT: 11.94 min Scan# 1191
Delta R.T. -0.02 min
Lab File: VD059945.D
Acq: 4 Sep 2018 15:31

Tgt Ion:104 Resp: 621969
Ion Ratio Lower Upper
104 100
78 43.0 32.6 49.0
103 46.5 37.7 56.5





#71

Bromoform

Concen: 19.75 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VD059945.D

Acq: 4 Sep 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBS01

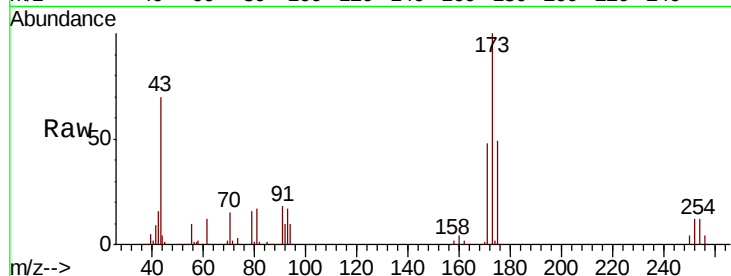
Tot Ion:173 Resp: 175791

Ion Ratio Lower Upper

173 100

175 49.0 24.3 73.0

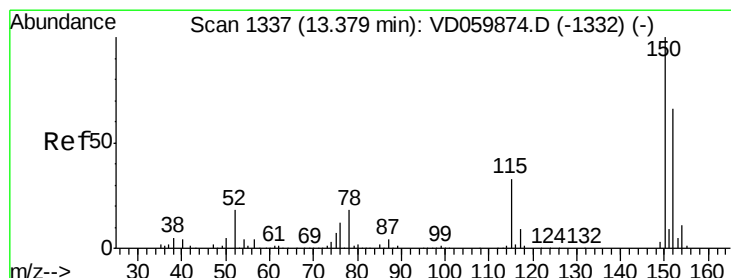
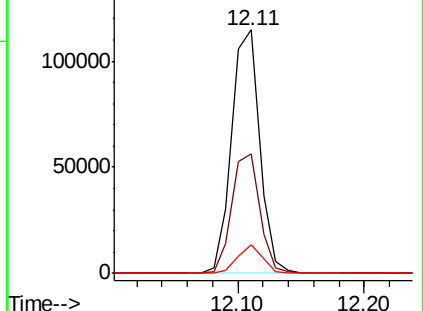
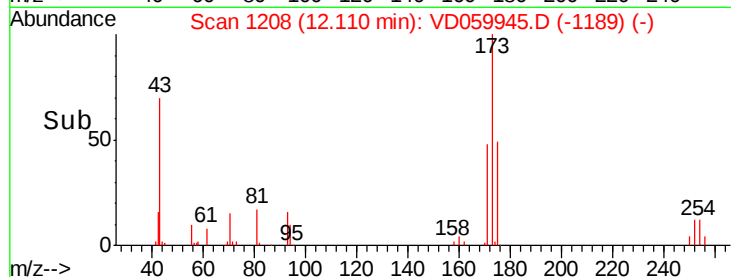
254 11.9 7.0 10.6#



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: 13.36 min Scan# 1335

Delta R.T. -0.02 min

Lab File: VD059945.D

Acq: 4 Sep 2018 15:31

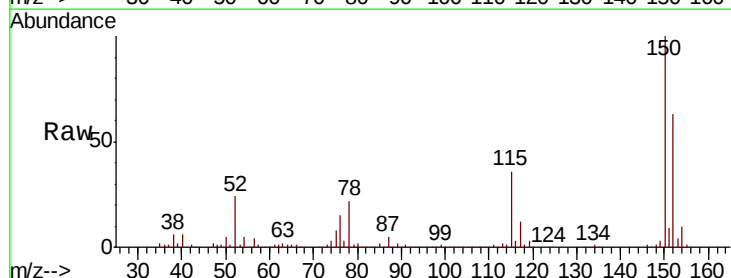
Tgt Ion:152 Resp: 748558

Ion Ratio Lower Upper

152 100

115 56.4 25.7 77.0

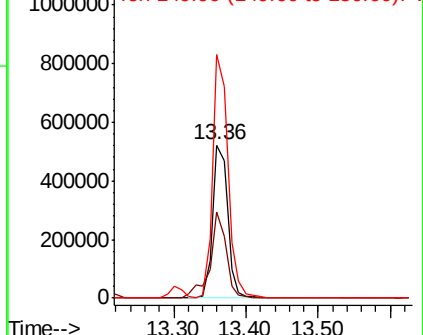
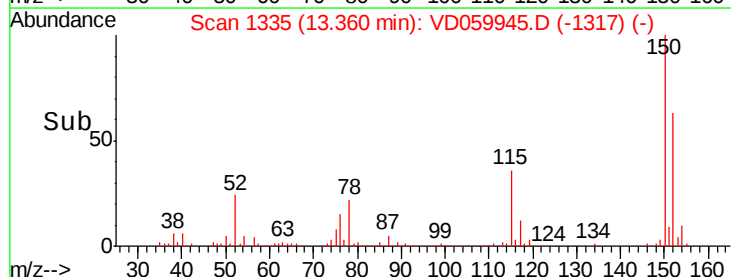
150 158.8 0.0 310.2



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: 21.08 ug/l

RT: 12.27 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VD059945.D

Acq: 4 Sep 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

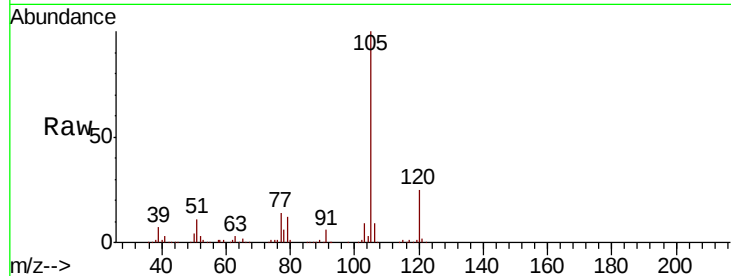
VD0904SBS01

Tot Ion:105 Resp: 1007114

Ion Ratio Lower Upper

105 100

120 24.8 11.8 35.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

12.27

800000

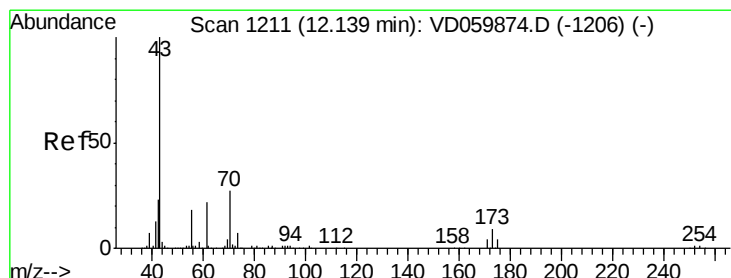
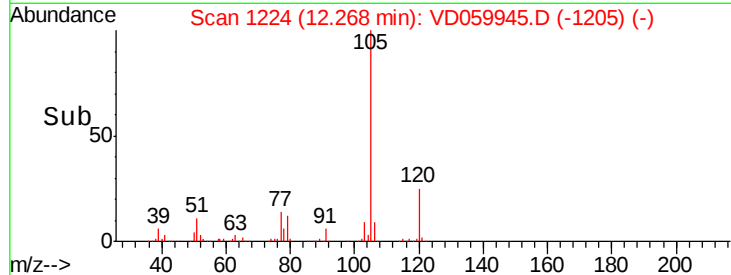
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 19.91 ug/l

RT: 12.12 min Scan# 1209

Delta R.T. -0.02 min

Lab File: VD059945.D

Acq: 4 Sep 2018 15:31

Tgt Ion: 43 Resp: 416657

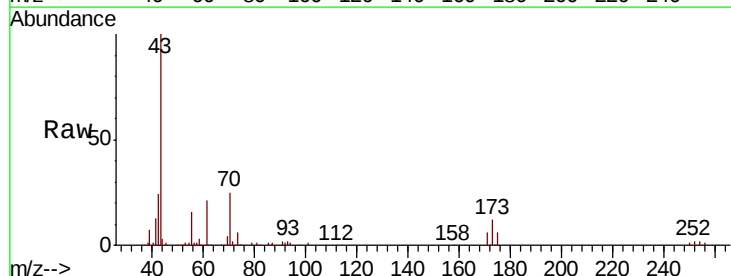
Ion Ratio Lower Upper

43 100

70 24.6 21.4 32.2

55 16.2 14.1 21.1

61 20.7 17.8 26.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

400000

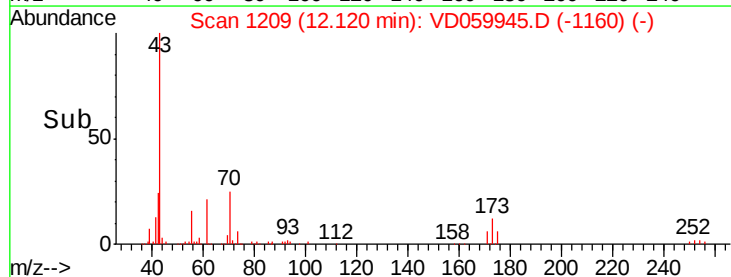
300000

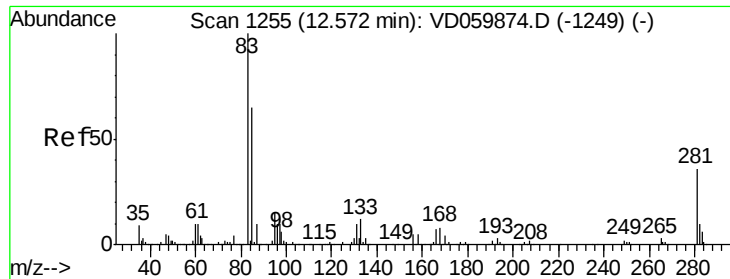
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.76 ug/l

RT: 12.55 min Scan# 1253

Delta R.T. -0.02 min

Lab File: VD059945.D

Acq: 4 Sep 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBS01

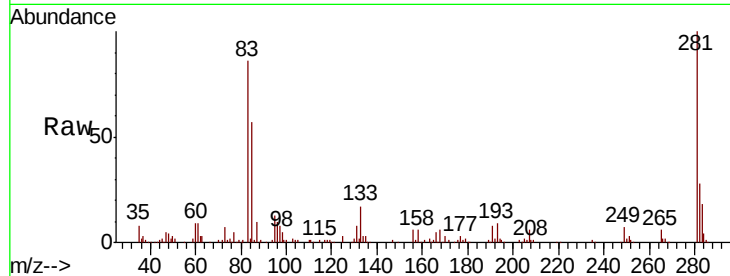
Tot Ion: 83 Resp: 229459

Ion Ratio Lower Upper

83 100

131 9.8 4.8 14.4

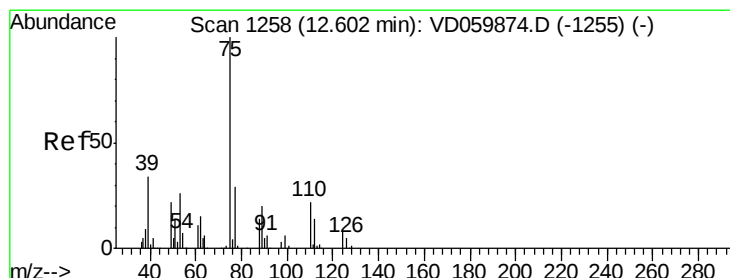
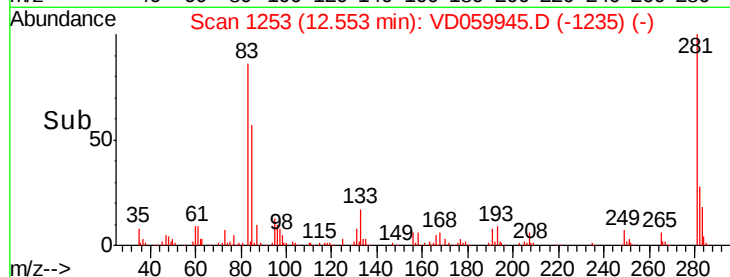
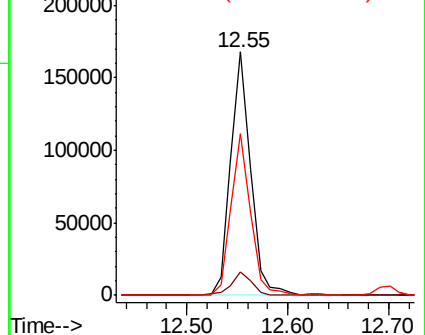
85 66.5 32.6 97.8



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: 20.57 ug/l

RT: 12.58 min Scan# 1256

Delta R.T. -0.02 min

Lab File: VD059945.D

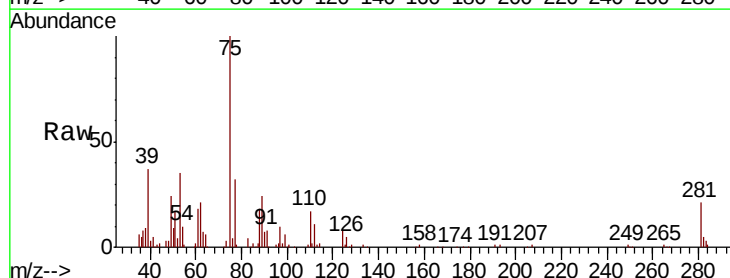
Acq: 4 Sep 2018 15:31

Tgt Ion: 75 Resp: 239354

Ion Ratio Lower Upper

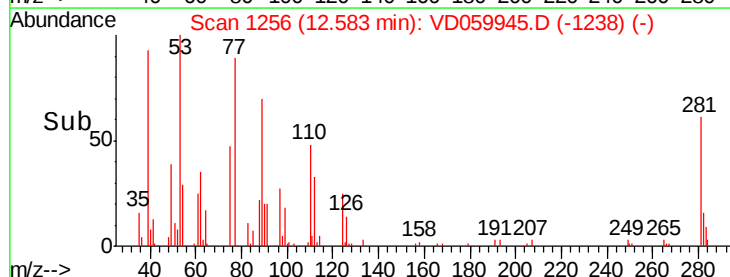
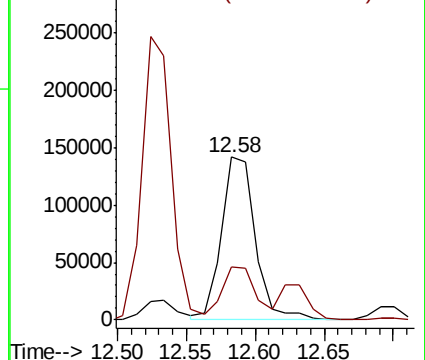
75 100

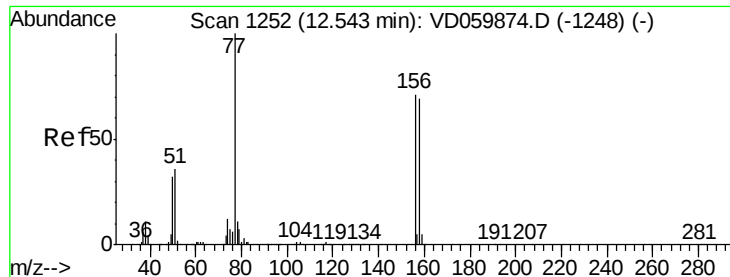
77 32.4 16.4 49.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.70 ug/l

RT: 12.53 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VD059945.D

Acq: 4 Sep 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBS01

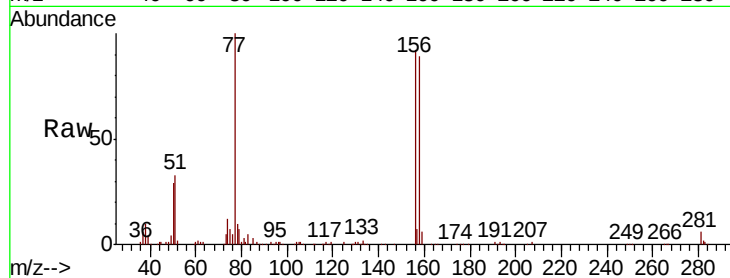
Tot Ion:156 Resp: 287514

Ion Ratio Lower Upper

156 100

77 109.1 70.2 210.4

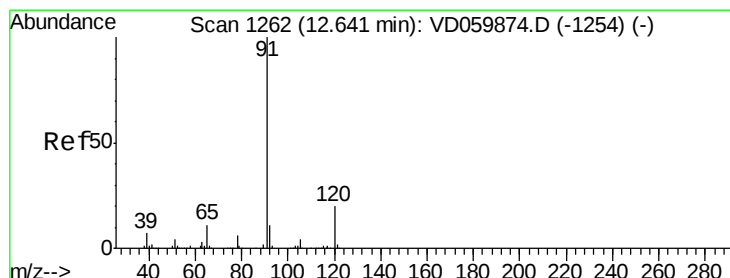
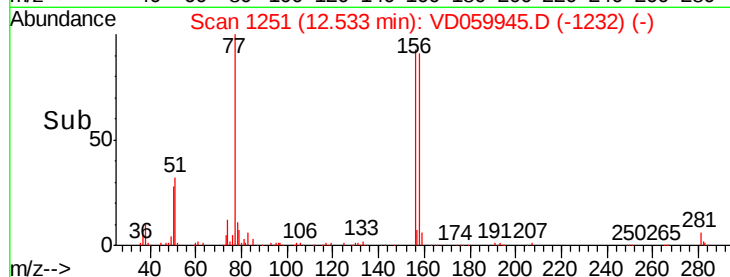
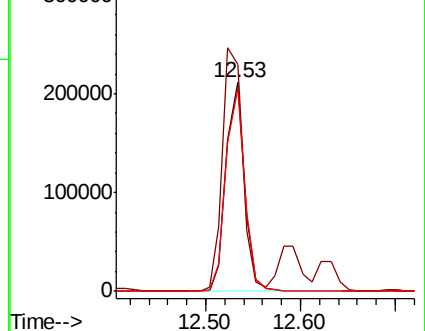
158 97.2 48.4 145.2



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 21.08 ug/l

RT: 12.63 min Scan# 1261

Delta R.T. -0.01 min

Lab File: VD059945.D

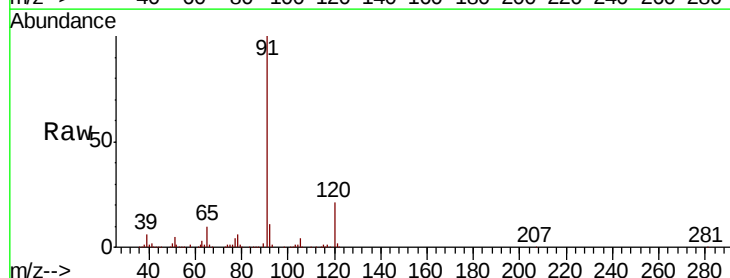
Acq: 4 Sep 2018 15:31

Tgt Ion: 91 Resp: 1275246

Ion Ratio Lower Upper

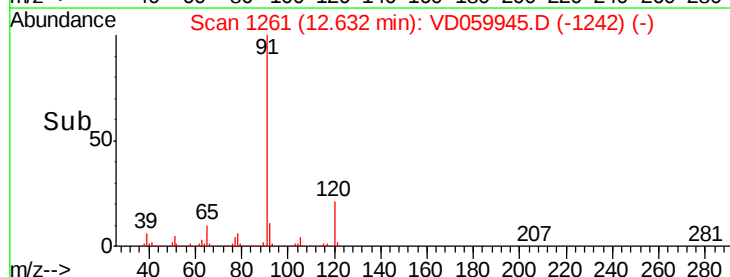
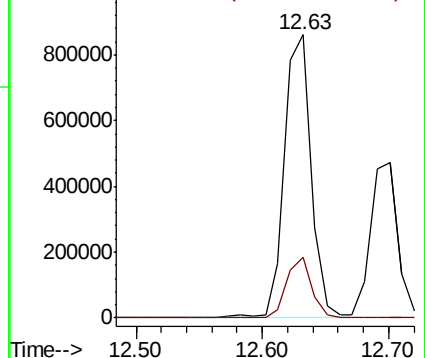
91 100

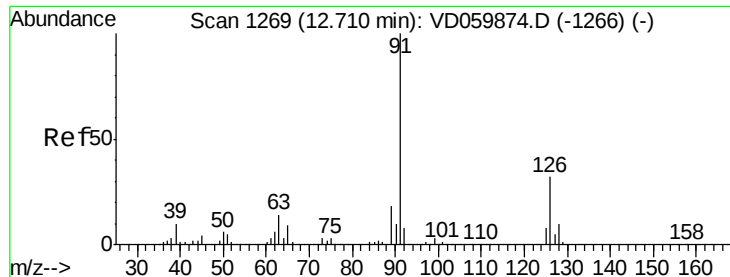
120 21.3 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

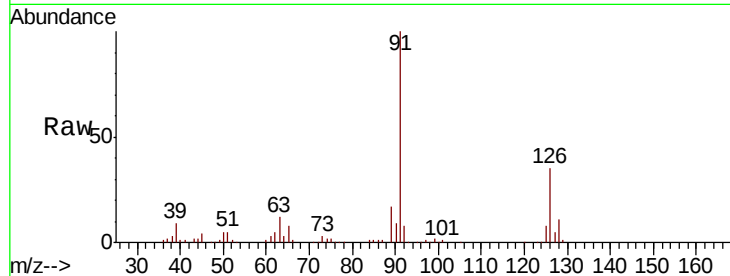




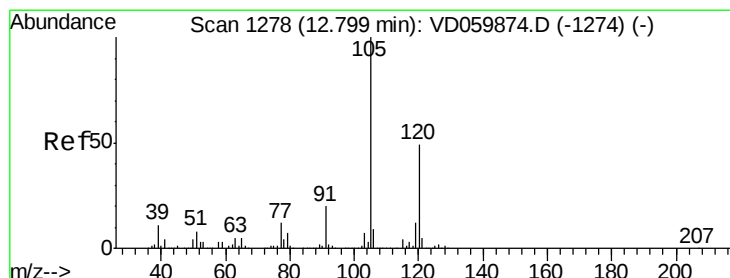
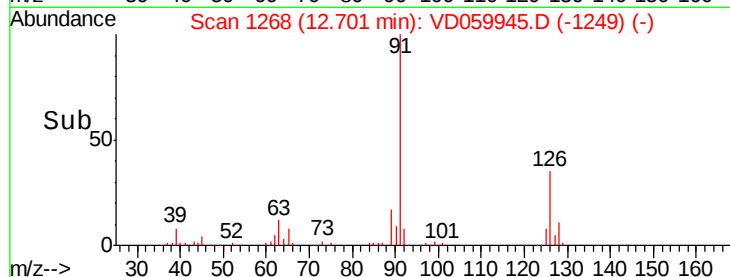
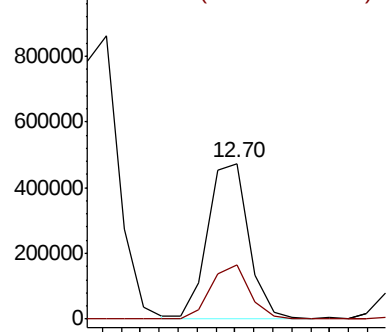
#79
 2-Chlorotoluene
 Concen: 20.71 ug/l
 RT: 12.70 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VD059945.D
 Acq: 4 Sep 2018 15:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBS01

Tot Ion: 91 Resp: 708754
 Ion Ratio Lower Upper
 91 100
 126 35.1 16.1 48.2

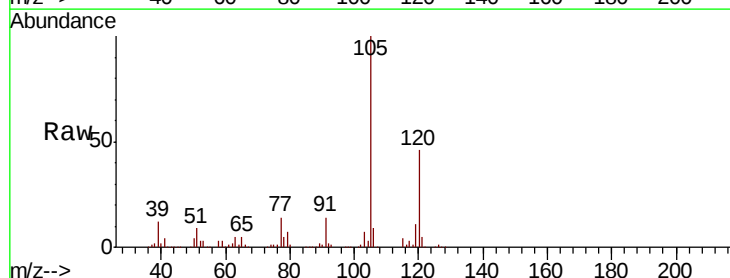


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

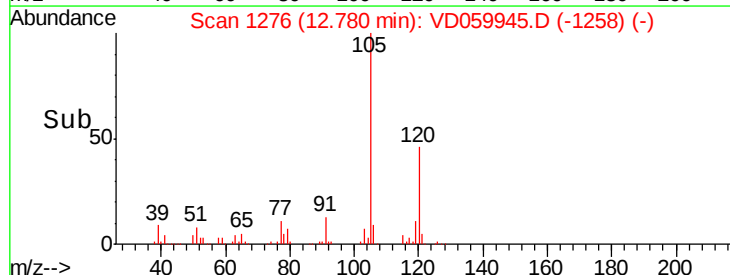
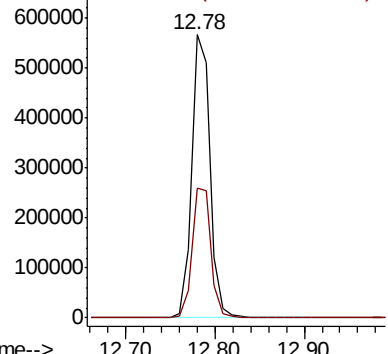


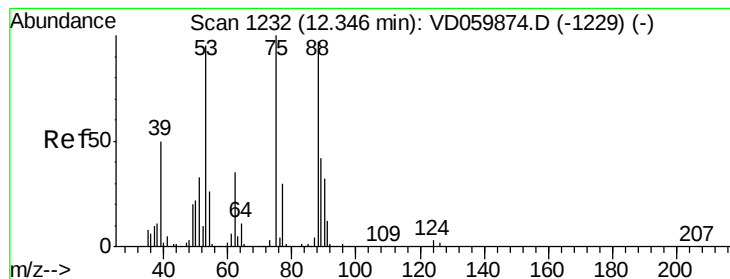
#80
 1,3,5-Trimethylbenzene
 Concen: 21.32 ug/l
 RT: 12.78 min Scan# 1276
 Delta R.T. -0.02 min
 Lab File: VD059945.D
 Acq: 4 Sep 2018 15:31

Tgt Ion:105 Resp: 809998
 Ion Ratio Lower Upper
 105 100
 120 45.9 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: 18.08 ug/l

RT: 12.34 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD059945.D

Acq: 4 Sep 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBS01

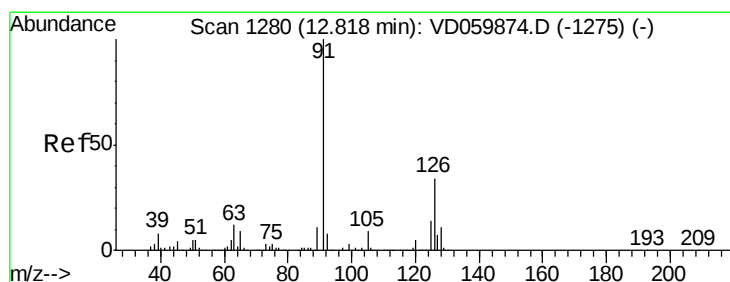
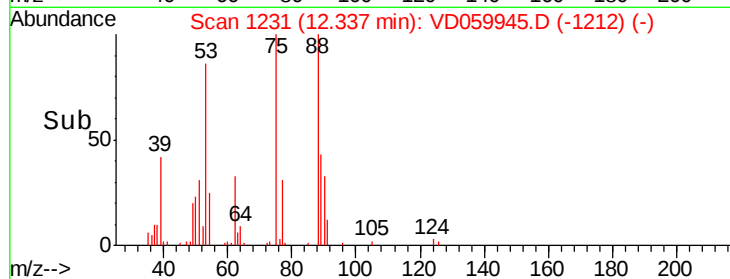
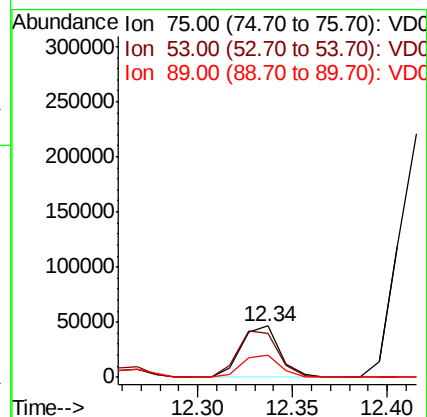
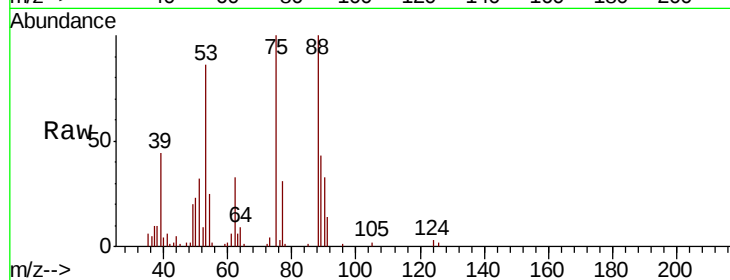
Tot Ion: 75 Resp: 65447

Ion	Ratio	Lower	Upper
75	100		
53	86.0	75.8	113.6
89	43.0	33.6	50.4

75 100

53 86.0 75.8 113.6

89 43.0 33.6 50.4



#82

4-Chlorotoluene

Concen: 21.63 ug/l

RT: 12.80 min Scan# 1278

Delta R.T. -0.02 min

Lab File: VD059945.D

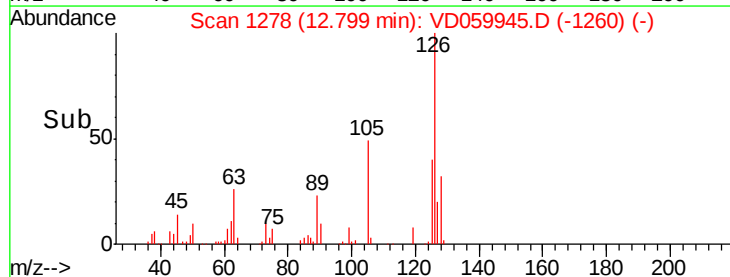
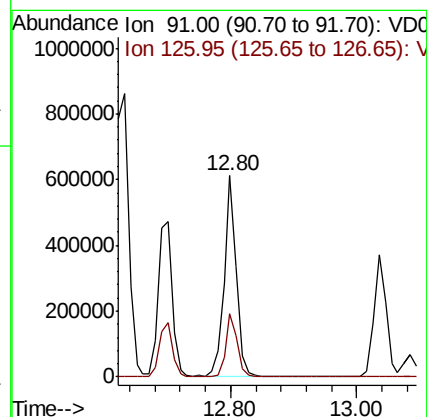
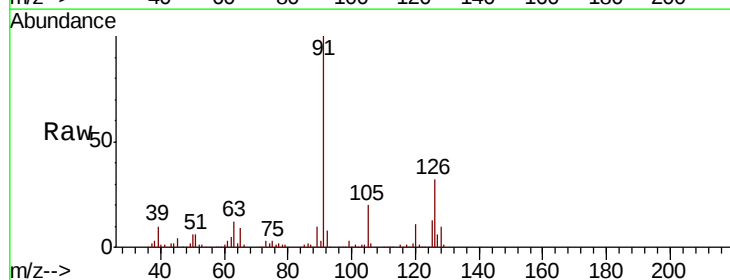
Acq: 4 Sep 2018 15:31

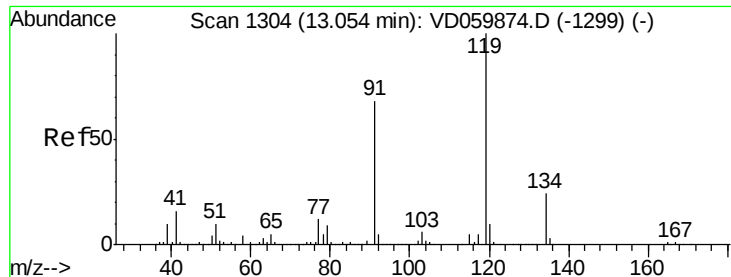
Tgt Ion: 91 Resp: 844313

Ion	Ratio	Lower	Upper
91	100		
126	31.7	17.1	51.2

91 100

126 31.7 17.1 51.2

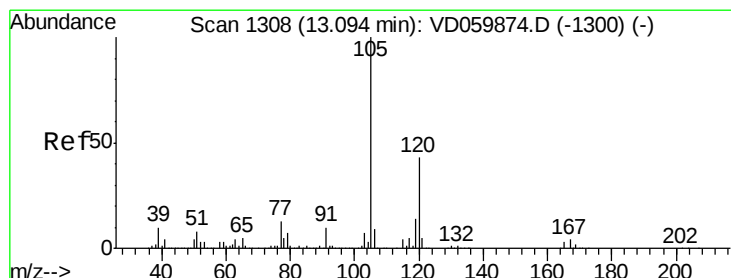
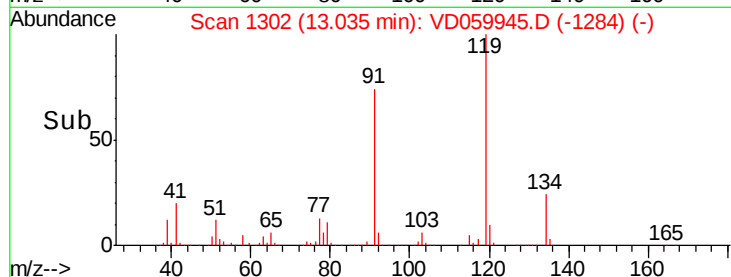
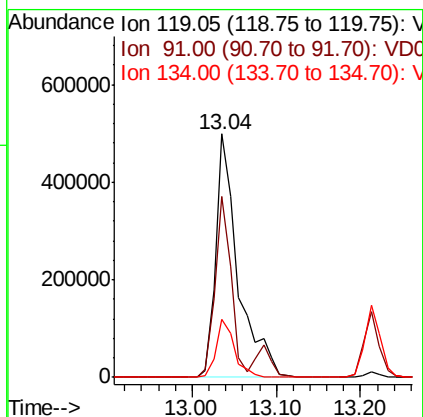
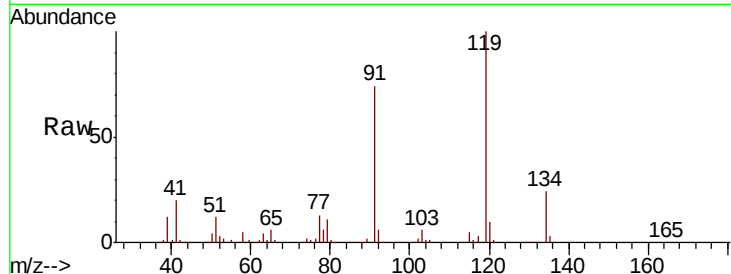




#83
tert-Butylbenzene
Concen: 21.29 ug/l
RT: 13.04 min Scan# 1302
Delta R.T. -0.02 min
Lab File: VD059945.D
Acq: 4 Sep 2018 15:31

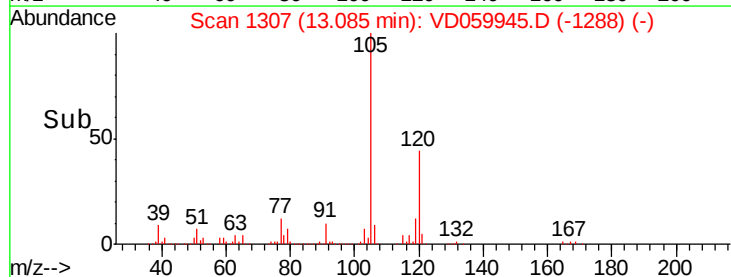
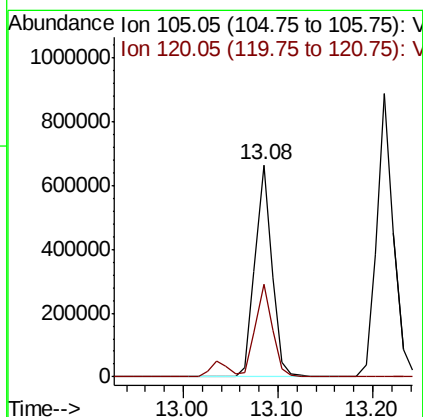
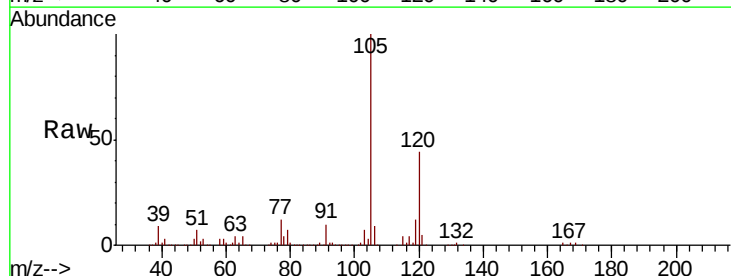
Instrument :
MSVOA_D
ClientSampleId :
VD0904SBS01

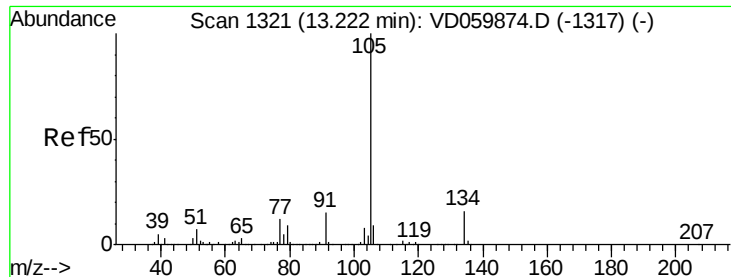
Tot Ion:119 Resp: 921271
Ion Ratio Lower Upper
119 100
91 74.3 34.3 102.9
134 23.6 11.9 35.9



#84
1,2,4-Trimethylbenzene
Concen: 21.06 ug/l
RT: 13.08 min Scan# 1307
Delta R.T. -0.01 min
Lab File: VD059945.D
Acq: 4 Sep 2018 15:31

Tgt Ion:105 Resp: 833882
Ion Ratio Lower Upper
105 100
120 43.8 21.8 65.3

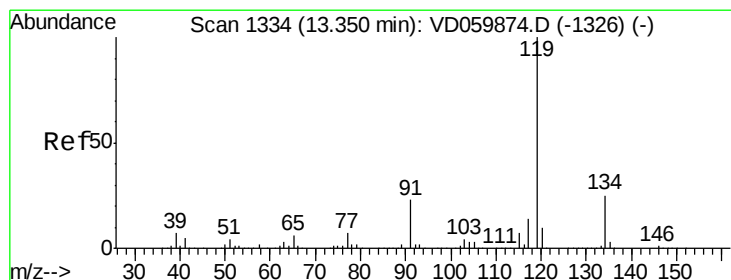
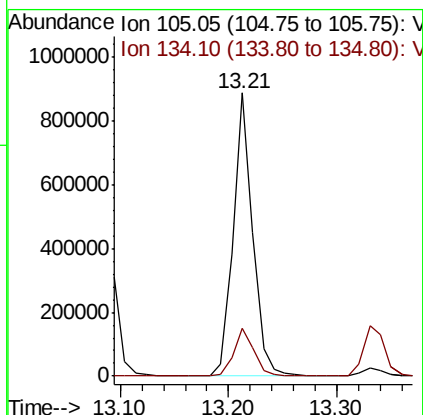
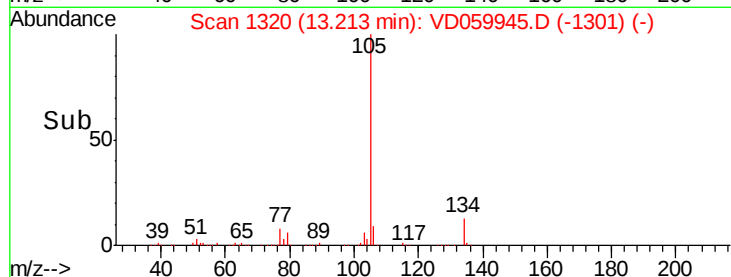
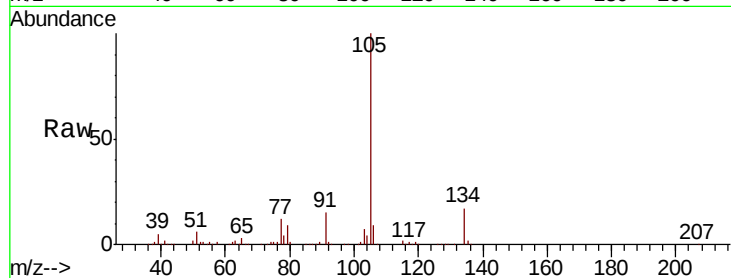




#85
 sec-Butylbenzene
 Concen: 21.81 ug/l
 RT: 13.21 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: VD059945.D
 Acq: 4 Sep 2018 15:31

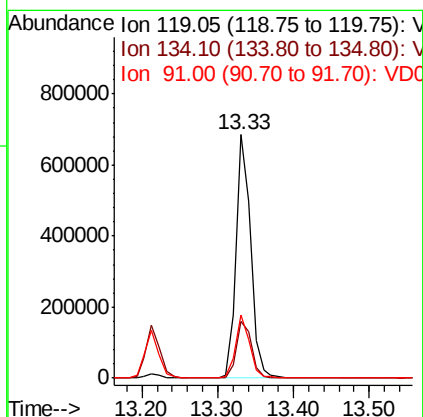
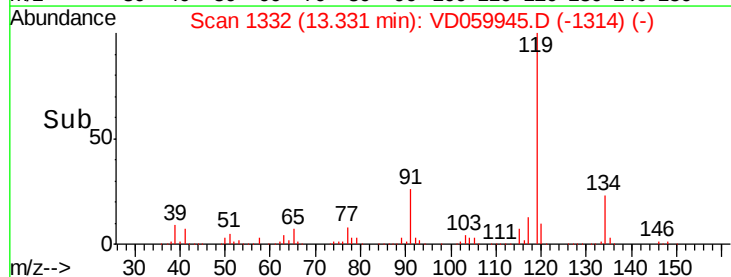
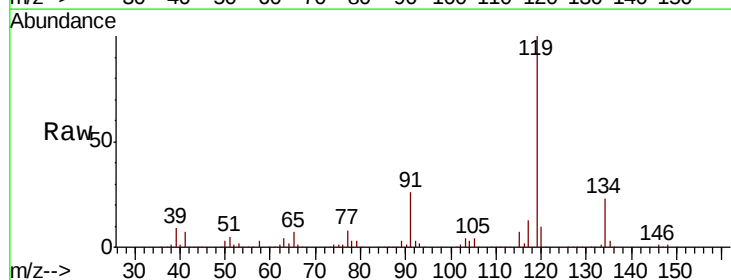
Instrument :
 MSVOA_D
 ClientSampleID :
 VD0904SBS01

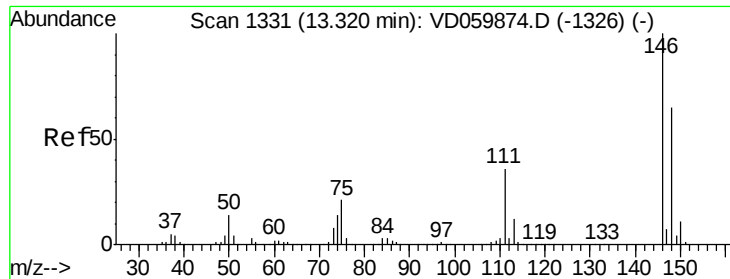
Tot Ion:105 Resp: 1109849
 Ion Ratio Lower Upper
 105 100
 134 16.8 8.2 24.4



#86
 p-Isopropyltoluene
 Concen: 21.64 ug/l
 RT: 13.33 min Scan# 1332
 Delta R.T. -0.02 min
 Lab File: VD059945.D
 Acq: 4 Sep 2018 15:31

Tgt Ion:119 Resp: 895552
 Ion Ratio Lower Upper
 119 100
 134 23.1 12.7 38.1
 91 26.0 11.7 35.0

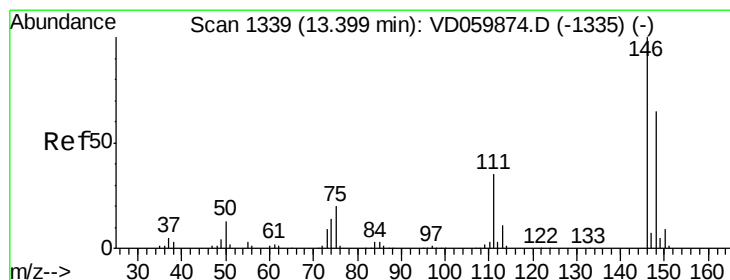
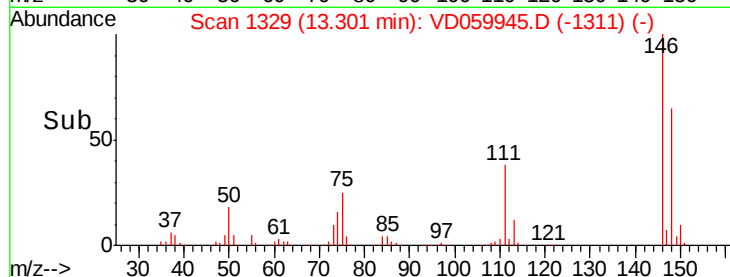
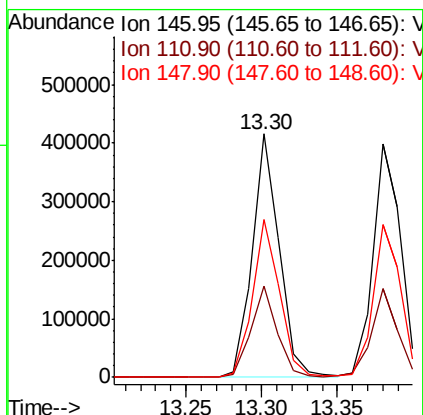
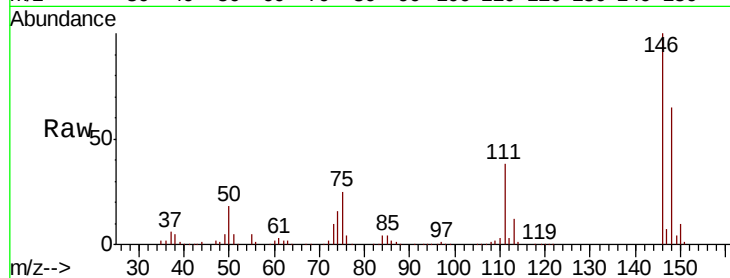




#87
 1,3-Dichlorobenzene
 Concen: 21.83 ug/l
 RT: 13.30 min Scan# 1329
 Delta R.T. -0.02 min
 Lab File: VD059945.D
 Acq: 4 Sep 2018 15:31

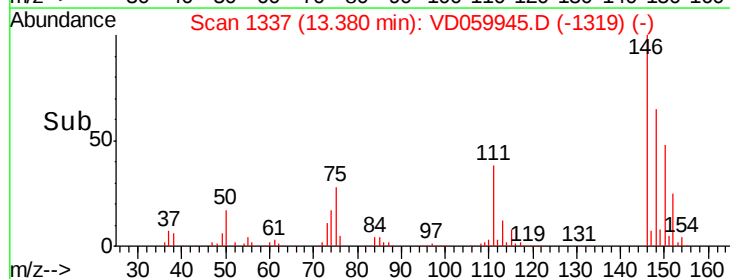
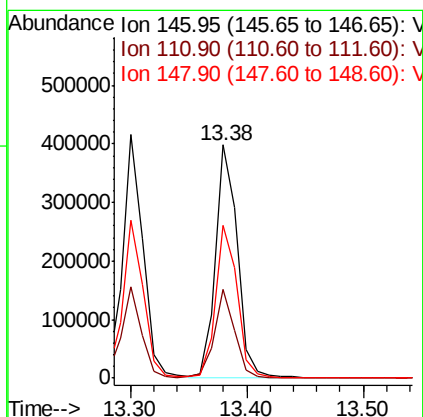
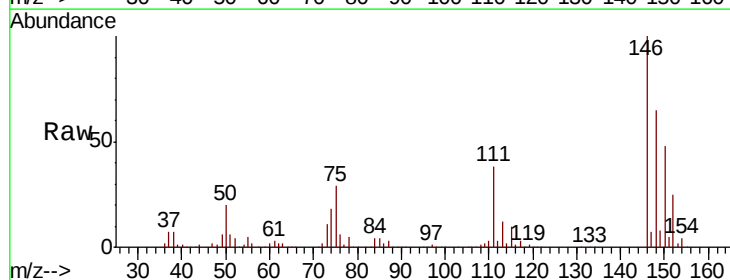
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBS01

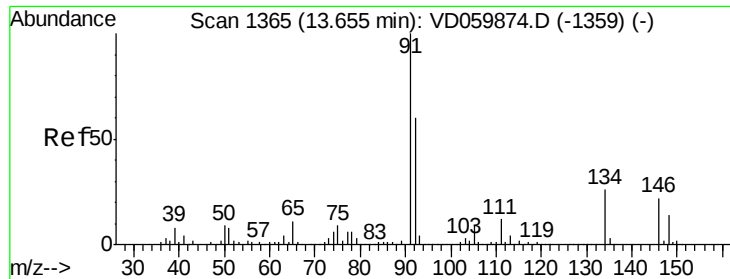
Tot Ion:146 Resp: 516261
 Ion Ratio Lower Upper
 146 100
 111 37.7 17.9 53.7
 148 65.0 32.4 97.0



#88
 1,4-Dichlorobenzene
 Concen: 21.80 ug/l
 RT: 13.38 min Scan# 1337
 Delta R.T. -0.02 min
 Lab File: VD059945.D
 Acq: 4 Sep 2018 15:31

Tgt Ion:146 Resp: 514492
 Ion Ratio Lower Upper
 146 100
 111 37.8 17.5 52.6
 148 65.4 32.5 97.5





#89

n-Butylbenzene

Concen: 20.82 ug/l

RT: 13.64 min Scan# 1363

Delta R.T. -0.02 min

Lab File: VD059945.D

Acq: 4 Sep 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBS01

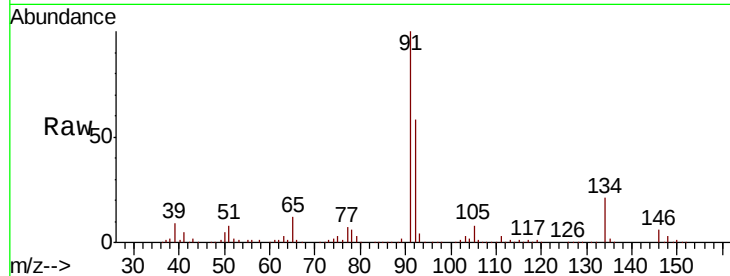
Tot Ion: 91 Resp: 929022

Ion Ratio Lower Upper

91 100

92 58.5 30.0 90.1

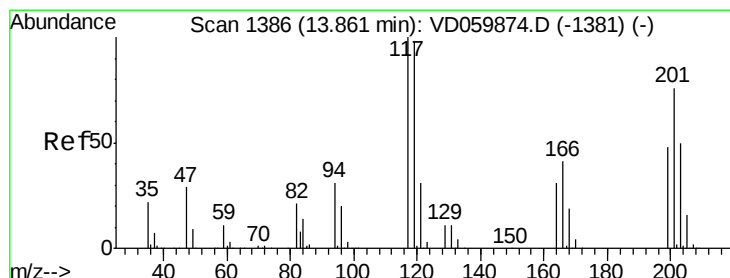
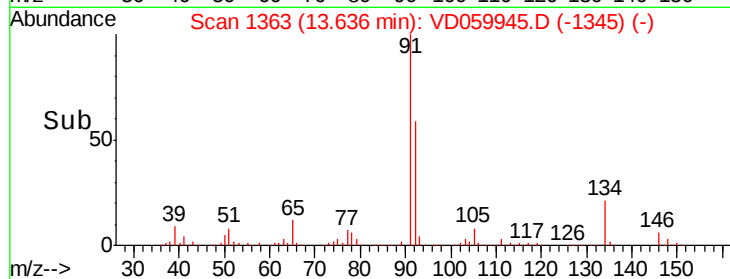
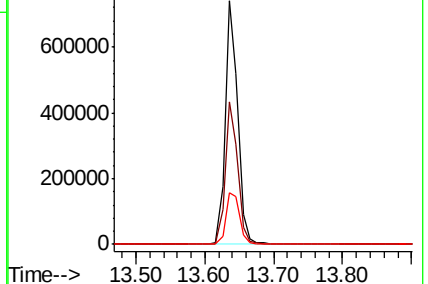
134 21.0 12.8 38.4



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: 19.05 ug/l

RT: 13.85 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VD059945.D

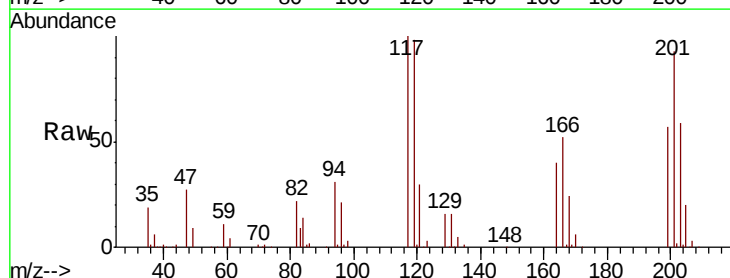
Acq: 4 Sep 2018 15:31

Tgt Ion: 117 Resp: 211671

Ion Ratio Lower Upper

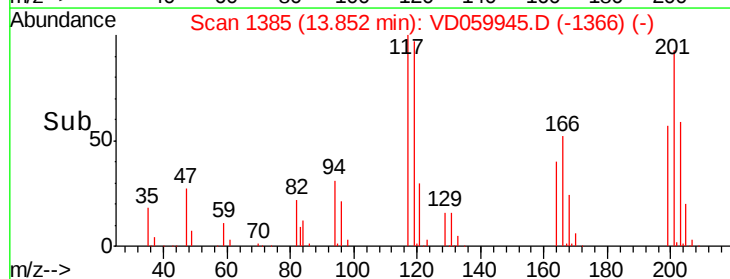
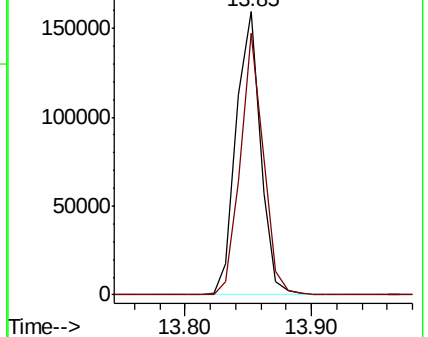
117 100

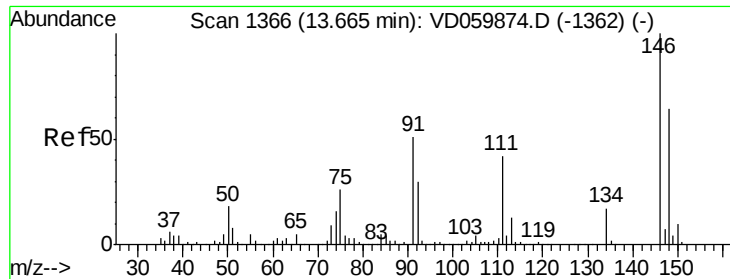
201 92.6 38.1 114.5



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

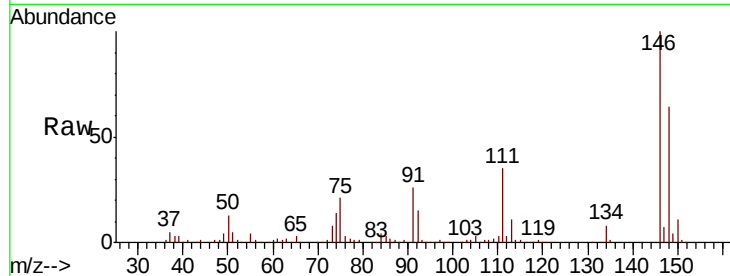




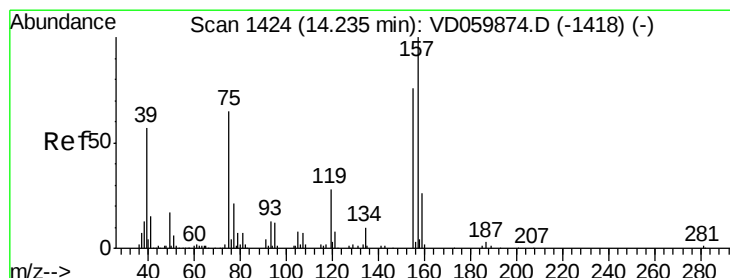
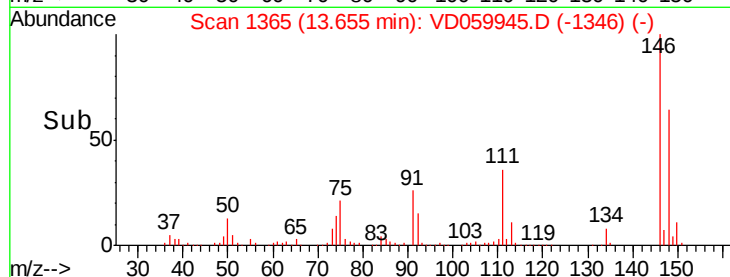
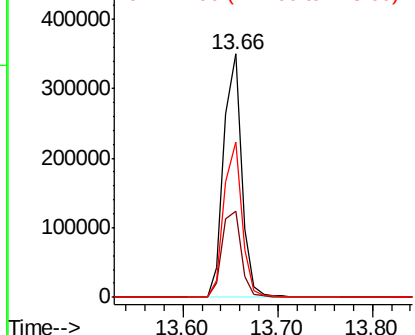
#91
 1,2-Dichlorobenzene
 Concen: 23.07 ug/l
 RT: 13.66 min Scan# 1365
 Delta R.T. -0.01 min
 Lab File: VD059945.D
 Acq: 4 Sep 2018 15:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBS01

Tot Ion:146 Resp: 463974
 Ion Ratio Lower Upper
 146 100
 111 35.4 21.1 63.1
 148 63.8 32.2 96.6

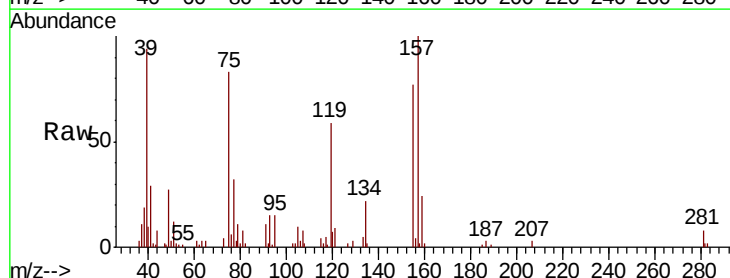


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

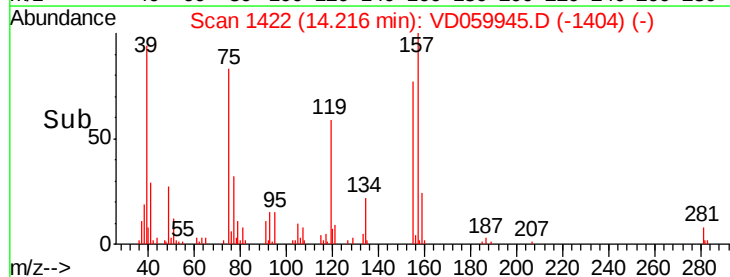
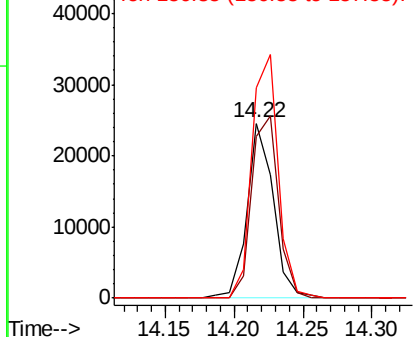


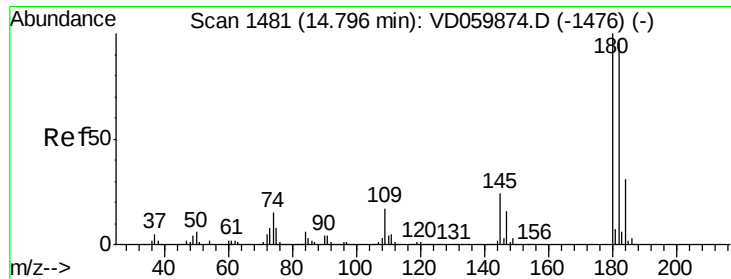
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.30 ug/l
 RT: 14.22 min Scan# 1422
 Delta R.T. -0.02 min
 Lab File: VD059945.D
 Acq: 4 Sep 2018 15:31

Tgt Ion: 75 Resp: 32793
 Ion Ratio Lower Upper
 75 100
 155 92.4 58.2 174.6
 157 120.1 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

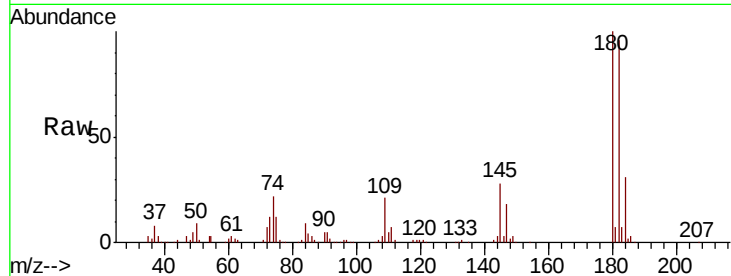




#93
 1,2,4-Trichlorobenzene
 Concen: 21.44 ug/l
 RT: 14.78 min Scan# 1479
 Delta R.T. -0.02 min
 Lab File: VD059945.D
 Acq: 4 Sep 2018 15:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.9	143.7
145	28.2	12.2	36.4

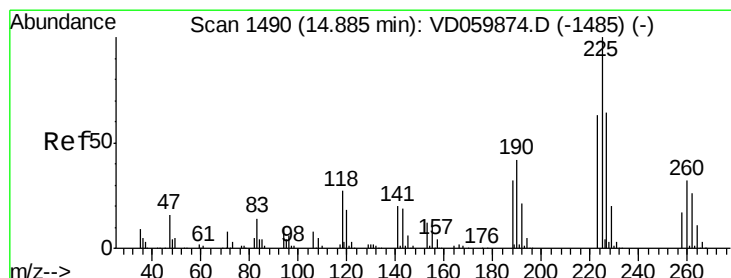
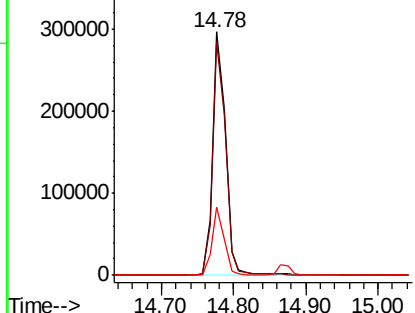
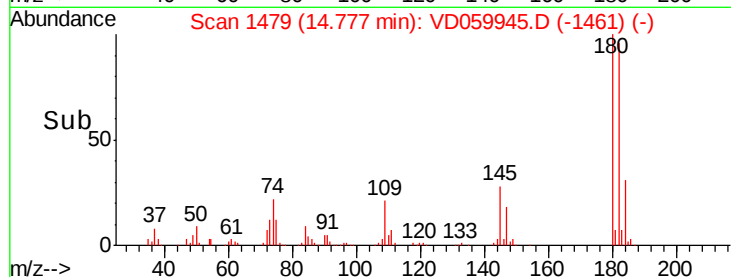


Abundance

Ion 179.85 (179.55 to 180.55): V

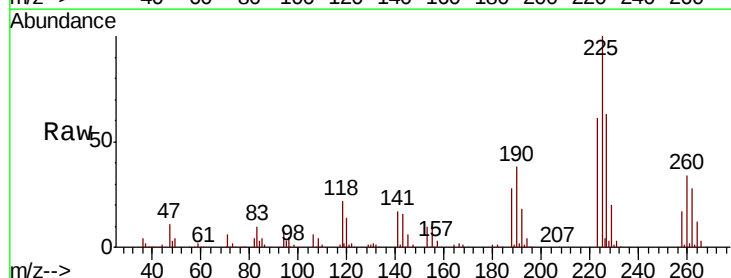
Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V



#94
 Hexachlorobutadiene
 Concen: 22.15 ug/l
 RT: 14.88 min Scan# 1489
 Delta R.T. -0.01 min
 Lab File: VD059945.D
 Acq: 4 Sep 2018 15:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.9	31.6	94.8
227	62.7	32.0	96.0

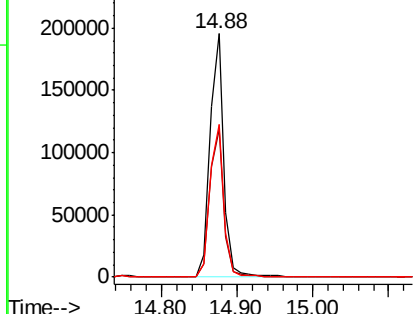
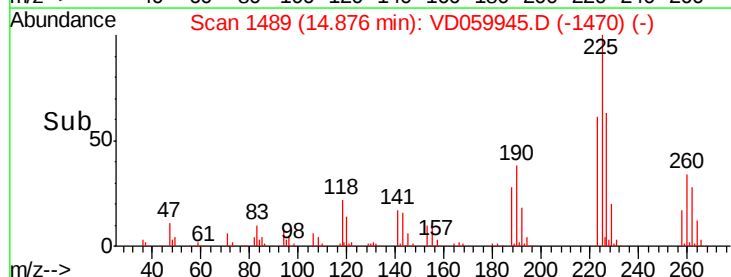


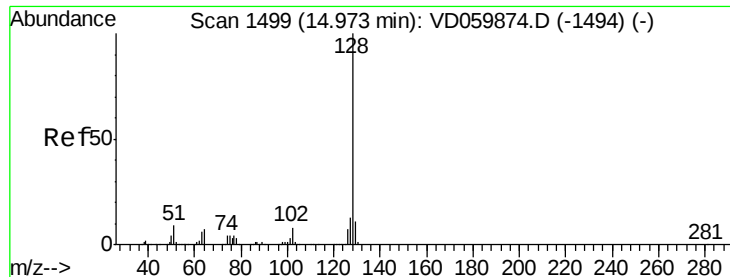
Abundance

Ion 224.75 (224.45 to 225.45): V

Ion 222.75 (222.45 to 223.45): V

Ion 226.75 (226.45 to 227.45): V





#95

Naphthalene

Concen: 21.29 ug/l

RT: 14.96 min Scan# 1498

Delta R.T. -0.01 min

Lab File: VD059945.D

Acq: 4 Sep 2018 15:31

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBS01

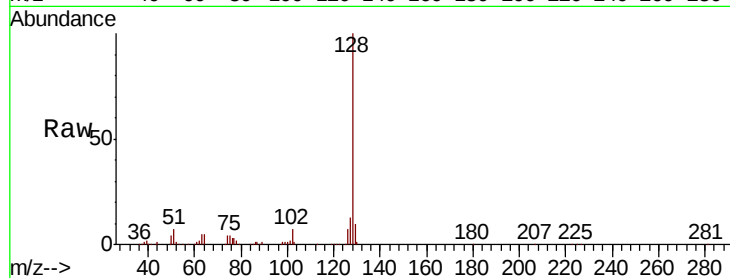
Tot Ion:128 Resp: 560315

Ion Ratio Lower Upper

128 100

127 12.6 10.0 15.0

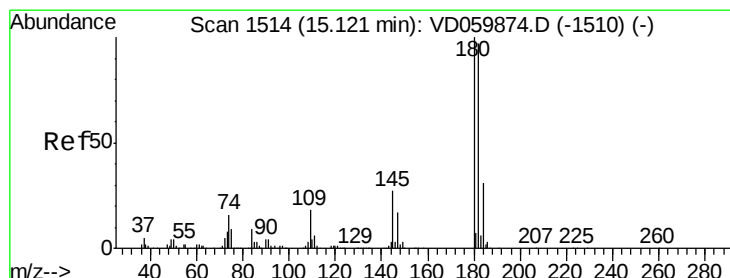
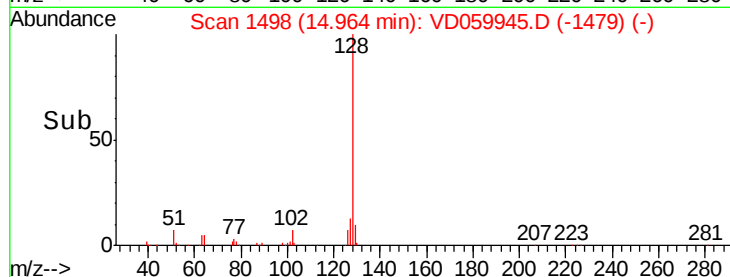
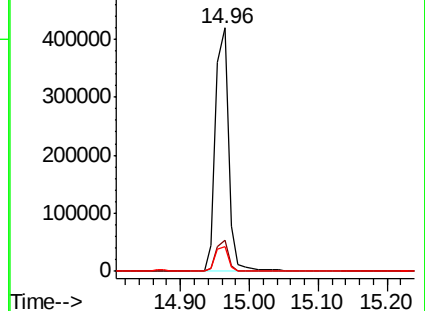
129 10.4 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.76 ug/l

RT: 15.10 min Scan# 1512

Delta R.T. -0.02 min

Lab File: VD059945.D

Acq: 4 Sep 2018 15:31

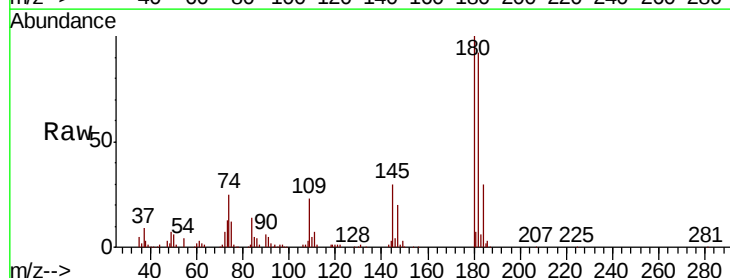
Tgt Ion:180 Resp: 320520

Ion Ratio Lower Upper

180 100

182 92.4 48.6 145.8

145 29.7 13.6 40.8



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

