

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082218\
 Data File : VD059876.D
 Acq On : 22 Aug 2018 15:05
 Operator : JC/SY
 Sample : VSTDICC100
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Quant Time: Aug 23 01:18:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 01:14:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1222053	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	1699160	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1432027	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	729455	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.80	65	944603	96.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	192.38%	
35) Dibromofluoromethane	6.33	113	1286735	99.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	198.26%	
50) Toluene-d8	9.46	98	3573767	100.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.10%	
62) 4-Bromofluorobenzene	12.43	95	1348124	94.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	188.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	1039625	97.566	ug/l	100
3) Chloromethane	1.75	50	976842	99.277	ug/l	98
4) Vinyl Chloride	1.85	62	800625	103.545	ug/l	100
5) Bromomethane	2.13	94	75115	82.665	ug/l	91
6) Chloroethane	2.23	64	174699	88.975	ug/l	100
7) Trichlorofluoromethane	2.50	101	810734	96.684	ug/l	98
8) Diethyl Ether	2.82	74	187243	97.587	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.08	101	503991	94.452	ug/l	96
10) Methyl Iodide	3.23	142	605757	120.102	ug/l	98
11) Tert butyl alcohol	3.99	59	400706	500.662	ug/l	98
12) 1,1-Dichloroethene	3.07	96	392582	96.626	ug/l	96
13) Acrolein	2.98	56	177477	559.063	ug/l	97
14) Allyl chloride	3.53	41	954155	99.726	ug/l	98
15) Acrylonitrile	4.09	53	1398453	478.803	ug/l	100
16) Acetone	3.16	43	975300	547.742	ug/l	99
17) Carbon Disulfide	3.30	76	1313965	103.988	ug/l	100
18) Methyl Acetate	3.56	43	370182	94.276	ug/l	96
19) Methyl tert-butyl Ether	4.13	73	2327973	95.738	ug/l	99
20) Methylene Chloride	3.72	84	1224113	83.790	ug/l	99
21) trans-1,2-Dichloroethene	4.09	96	1126742	97.923	ug/l	99
22) Diisopropyl ether	4.86	45	4795606	98.504	ug/l	99
23) Vinyl Acetate	4.81	43	13121894	483.653	ug/l	99
24) 1,1-Dichloroethane	4.76	63	2057837	98.015	ug/l	100
25) 2-Butanone	5.63	43	2804423	527.374	ug/l	97
26) 2,2-Dichloropropane	5.59	77	1561663	91.052	ug/l	100
27) cis-1,2-Dichloroethene	5.59	96	1261565	98.773	ug/l	97
28) Bromochloromethane	5.93	49	945744	93.780	ug/l	97
29) Tetrahydrofuran	5.96	42	1294780	487.957	ug/l	100
30) Chloroform	6.11	83	2104023	98.164	ug/l	98
31) Cyclohexane	6.37	56	1790707	93.376	ug/l	100
32) 1,1,1-Trichloroethane	6.29	97	1797172	98.856	ug/l	100
36) 1,1-Dichloropropene	6.53	75	1439873	95.552	ug/l	99
37) Ethyl Acetate	5.70	43	1165628	96.394	ug/l	98
38) Carbon Tetrachloride	6.50	117	1441197	94.356	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.05	83	1598287	96.089	ug/l	99
40) Benzene	6.81	78	3916512	99.173	ug/l	99
41) Methacrylonitrile	5.96	41	1289534	118.826	ug/l #	79
42) 1,2-Dichloroethane	6.90	62	1275162	98.992	ug/l	98
43) Isopropyl Acetate	8.36	43	1607004	101.136	ug/l	99
44) Trichloroethene	7.75	130	1186045	102.244	ug/l	99
45) 1,2-Dichloropropane	8.11	63	1106769	98.986	ug/l	96
46) Dibromomethane	8.22	93	737426	102.907	ug/l	99
47) Bromodichloromethane	8.50	83	1617626	99.867	ug/l	98
48) Methyl methacrylate	8.25	41	893040	99.841	ug/l	98
49) 1,4-Dioxane	8.24	88	168850	2070.213	ug/l	96
51) 4-Methyl-2-Pentanone	9.35	43	5887902	533.162	ug/l	98
52) Toluene	9.56	92	2554746	100.542	ug/l	99
53) t-1,3-Dichloropropene	9.92	75	1504518	100.081	ug/l	100
54) cis-1,3-Dichloropropene	9.11	75	1747822	99.894	ug/l	99
55) 1,1,2-Trichloroethane	10.19	97	885544	95.674	ug/l	99
56) Ethyl methacrylate	10.04	69	1058825	96.157	ug/l	99
57) 1,3-Dichloropropane	10.40	76	1349866	99.587	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.94	63	2460237	468.852	ug/l	94
59) 2-Hexanone	10.50	43	4352096	543.434	ug/l	99
60) Dibromochloromethane	10.65	129	1184338	100.475	ug/l	100
61) 1,2-Dibromoethane	10.77	107	976162	102.270	ug/l	98
64) Tetrachloroethene	10.26	164	1106677	101.135	ug/l	99
65) Chlorobenzene	11.32	112	2810622	100.064	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.43	131	940044	92.462	ug/l	99
67) Ethyl Benzene	11.44	91	4076479	88.805	ug/l	96
68) m/p-Xylenes	11.58	106	2953963	178.299	ug/l	96
69) o-Xylene	11.94	106	1556815	95.724	ug/l	95
70) Styrene	11.96	104	2701028	95.610	ug/l	99
71) Bromoform	12.12	173	937630	103.917	ug/l	100
73) Isopropylbenzene	12.29	105	4332572	94.191	ug/l	97
74) N-amyl acetate	12.14	43	2027784	98.662	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.57	83	1050368	99.337	ug/l	99
76) 1,2,3-Trichloropropane	12.60	75	1104572	97.023	ug/l	100
77) Bromobenzene	12.55	156	1264837	99.030	ug/l	82
78) n-propylbenzene	12.64	91	5085970	88.974	ug/l	99
79) 2-Chlorotoluene	12.71	91	3067567	94.189	ug/l	97
80) 1,3,5-Trimethylbenzene	12.80	105	3252386	90.974	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.35	75	356378	101.659	ug/l	99
82) 4-Chlorotoluene	12.82	91	3205044	88.149	ug/l	99
83) tert-Butylbenzene	13.05	119	3769606	90.708	ug/l	99
84) 1,2,4-Trimethylbenzene	13.10	105	3442655	91.402	ug/l	96
85) sec-Butylbenzene	13.23	105	4485701	92.132	ug/l	96
86) p-Isopropyltoluene	13.35	119	3577419	90.826	ug/l	98
87) 1,3-Dichlorobenzene	13.32	146	2155658	95.095	ug/l	97
88) 1,4-Dichlorobenzene	13.40	146	2122527	93.879	ug/l	98
89) n-Butylbenzene	13.65	91	3181745	82.225	ug/l	99
90) Hexachloroethane	13.86	117	1031472	96.171	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	1636595	86.607	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.24	75	169261	101.469	ug/l	98

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Quant Title : SW846 8260
QLast Update : Thu Aug 23 01:14:23 2018
Response via : Initial Calibration

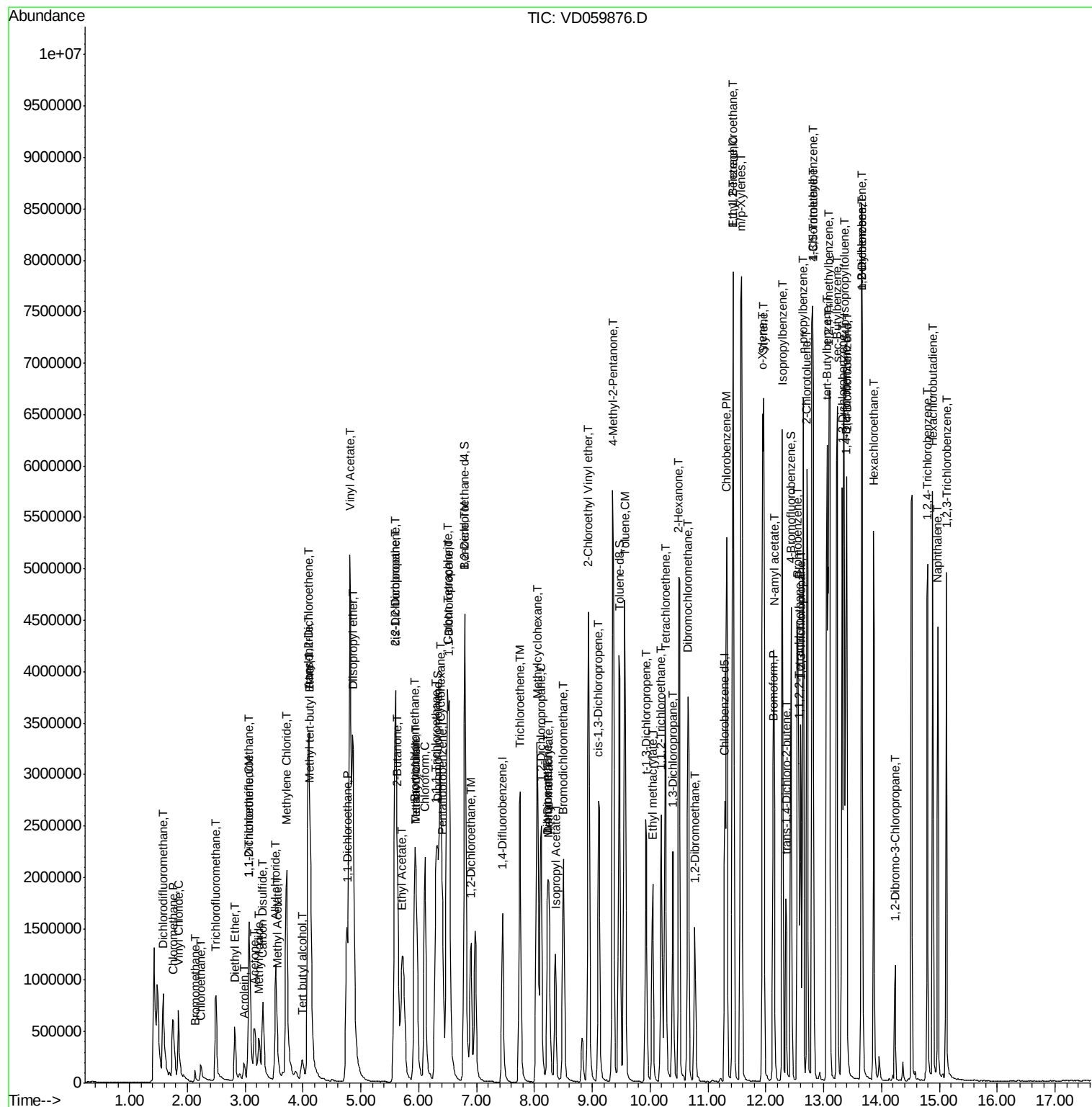
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.80	180	1568882	96.700	ug/l	99
94) Hexachlorobutadiene	14.88	225	1043031	96.912	ug/l	99
95) Naphthalene	14.97	128	2597356	100.874	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	1411012	99.170	ug/l	99

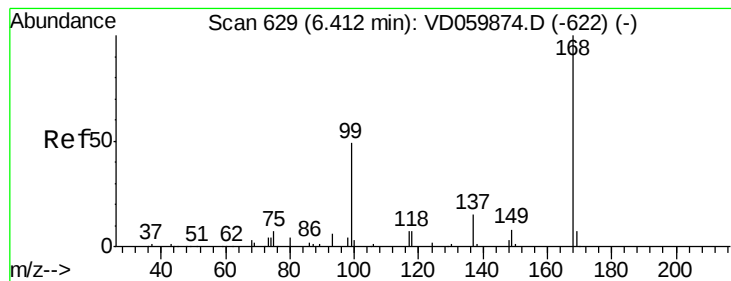
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD082218\
 Data File : VD059876.D
 Acq On : 22 Aug 2018 15:05
 Operator : JC/SY
 Sample : VSTDIC100
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
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 Client Sample ID :
 VSTDIC100

Quant Time: Aug 23 01:18:13 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 629

Delta R.T. -0.00 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

Instrument :

MSVOA_D

ClientSampleId :

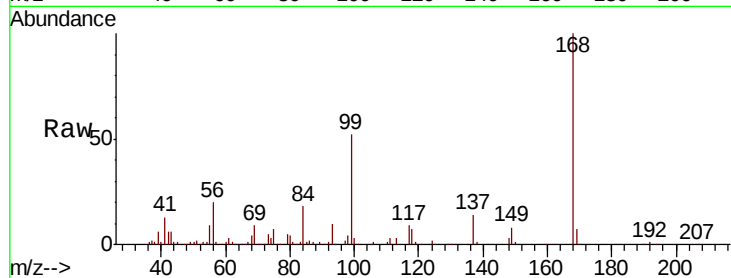
VSTDIC100

Tgt Ion:168 Resp: 1222053

Ion Ratio Lower Upper

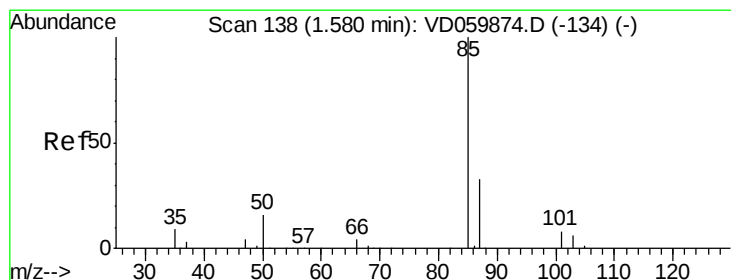
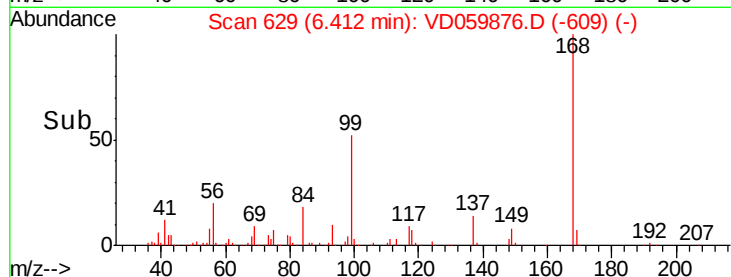
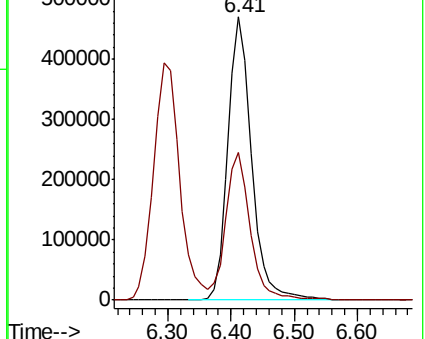
168 100

99 52.1 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: 97.566 ug/l

RT: 1.58 min Scan# 138

Delta R.T. -0.00 min

Lab File: VD059876.D

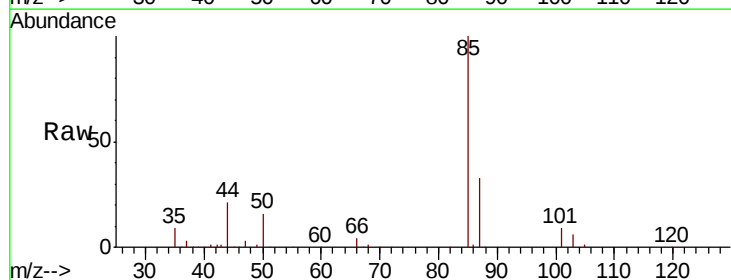
Acq: 22 Aug 2018 15:05

Tgt Ion: 85 Resp: 1039625

Ion Ratio Lower Upper

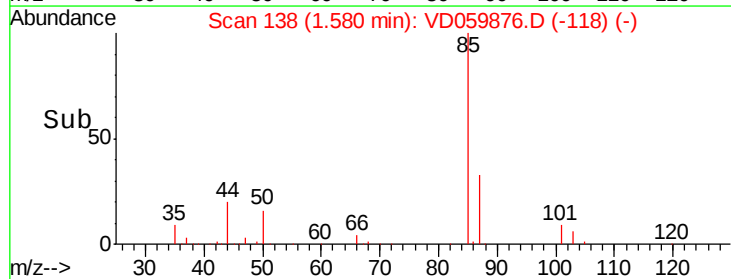
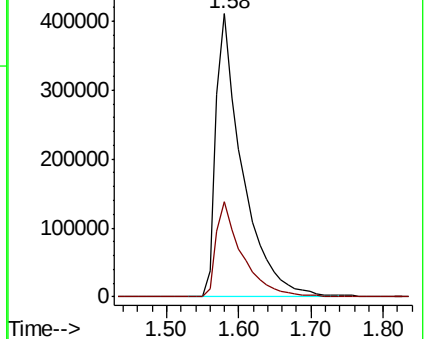
85 100

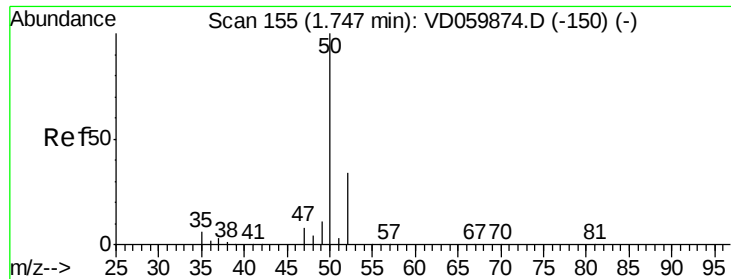
87 33.4 16.8 50.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 99.277 ug/l

RT: 1.75 min Scan# 155

Delta R.T. -0.00 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

Instrument :

MSVOA_D

ClientSampleId :

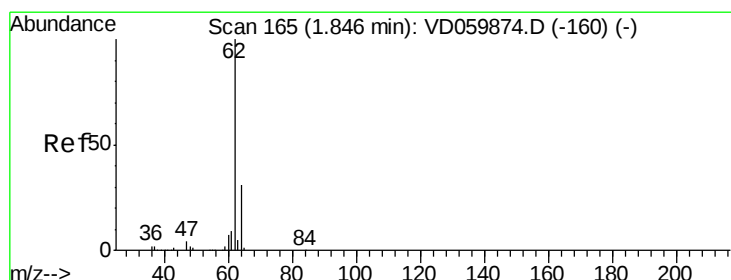
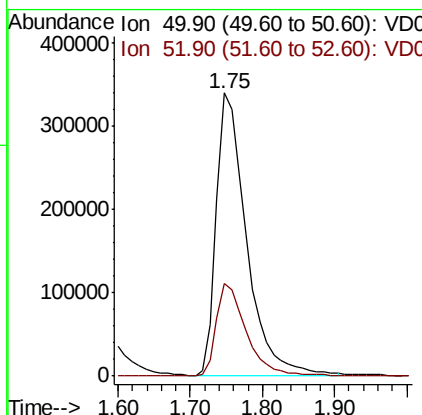
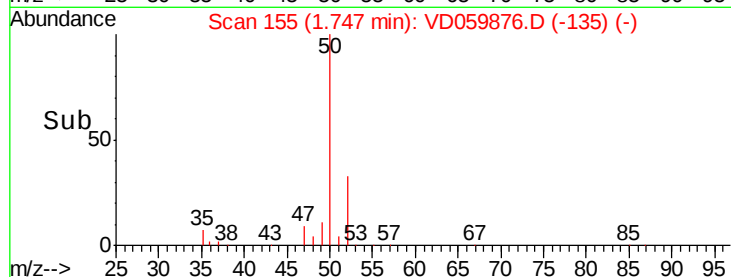
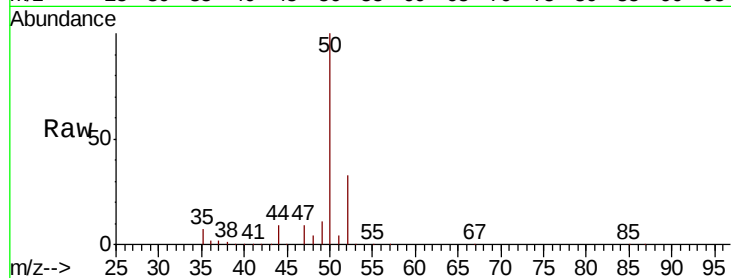
VSTDIC100

Tgt Ion: 50 Resp: 976842

Ion Ratio Lower Upper

50 100

52 32.7 27.0 40.6



#4

Vinyl Chloride

Concen: 103.545 ug/l

RT: 1.85 min Scan# 165

Delta R.T. -0.00 min

Lab File: VD059876.D

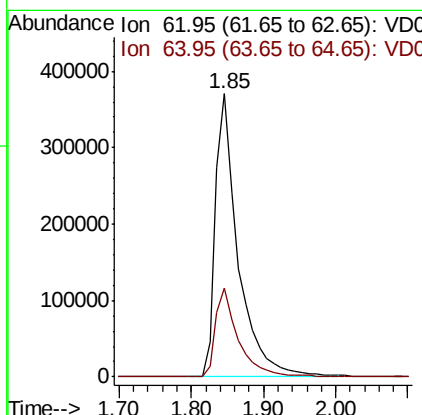
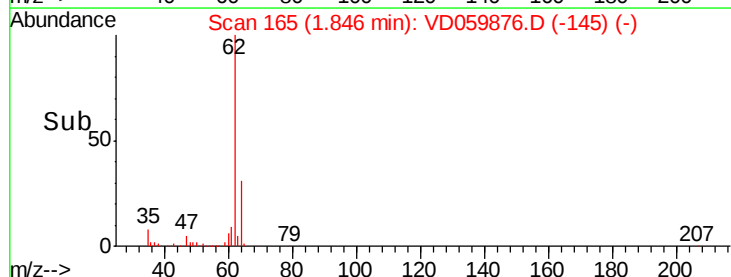
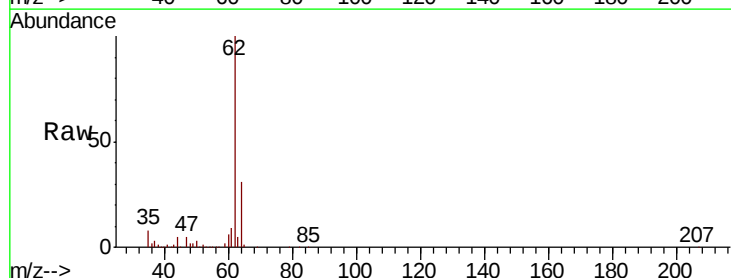
Acq: 22 Aug 2018 15:05

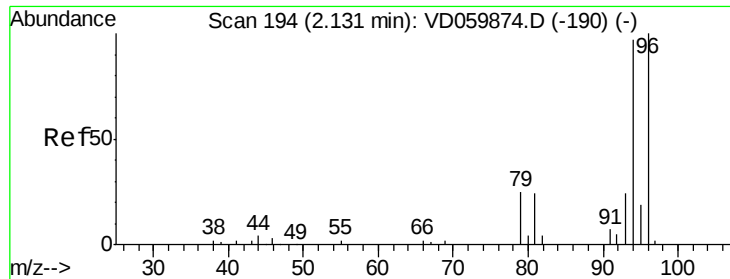
Tgt Ion: 62 Resp: 800625

Ion Ratio Lower Upper

62 100

64 31.5 25.0 37.6





#5

Bromomethane

Concen: 82.665 ug/l

RT: 2.13 min Scan# 194

Delta R.T. -0.00 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

Instrument :

MSVOA_D

ClientSampleId :

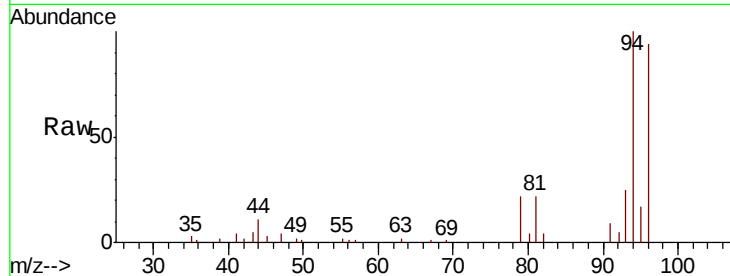
VSTDIC100

Tgt Ion: 94 Resp: 75115

Ion Ratio Lower Upper

94 100

96 94.1 82.4 123.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.13

40000

30000

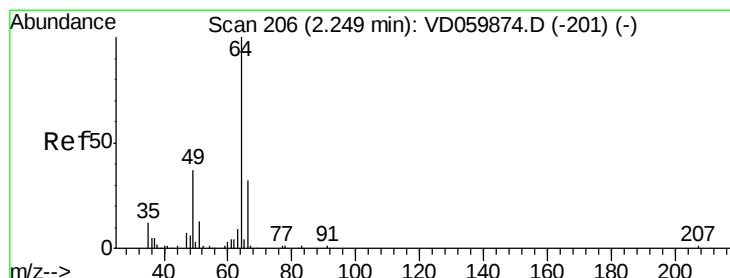
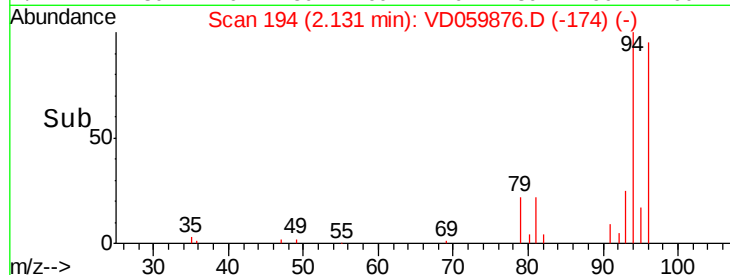
20000

10000

0

Time-->

2.00 2.10 2.20 2.30



#6

Chloroethane

Concen: 88.975 ug/l

RT: 2.23 min Scan# 204

Delta R.T. -0.02 min

Lab File: VD059876.D

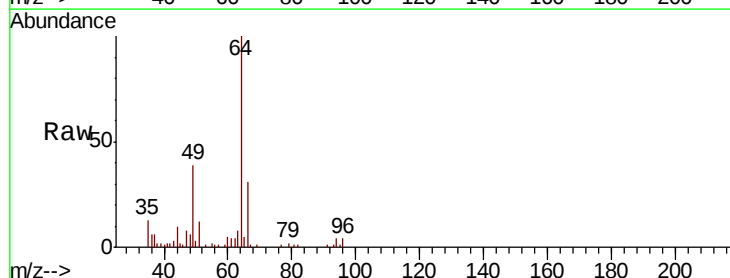
Acq: 22 Aug 2018 15:05

Tgt Ion: 64 Resp: 174699

Ion Ratio Lower Upper

64 100

66 31.4 25.3 37.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.23

60000

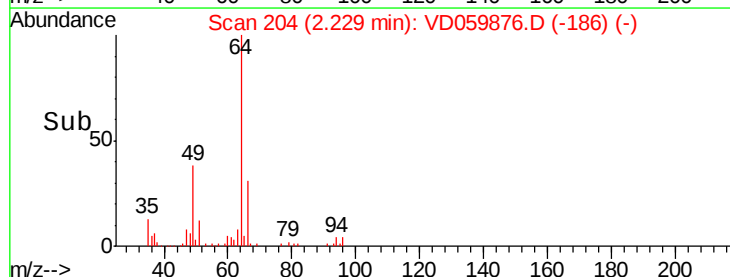
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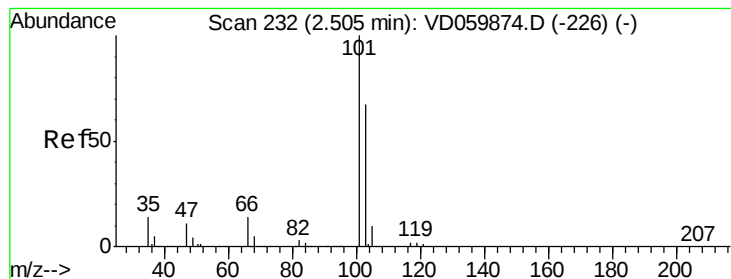
20000

0

Time-->

2.10 2.20 2.30 2.40





#7

Trichlorofluoromethane

Concen: 96.684 ug/l

RT: 2.50 min Scan# 231

Delta R.T. -0.01 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

Instrument :

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ClientSampleId :

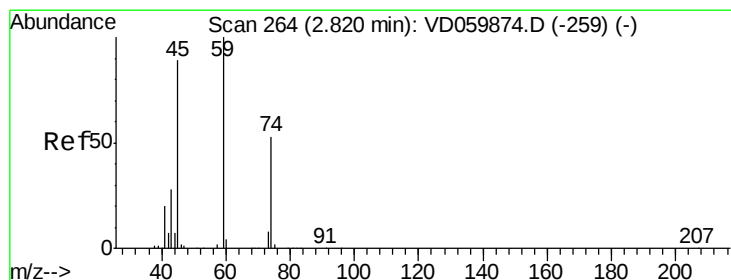
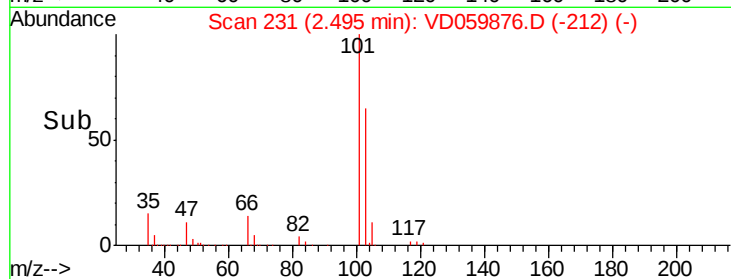
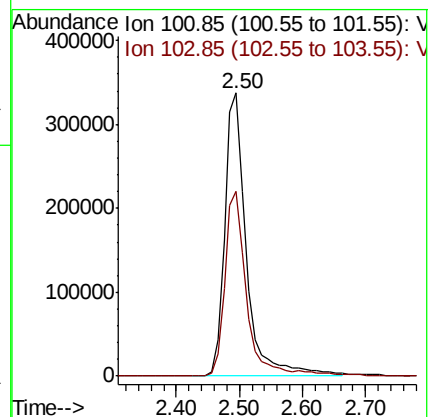
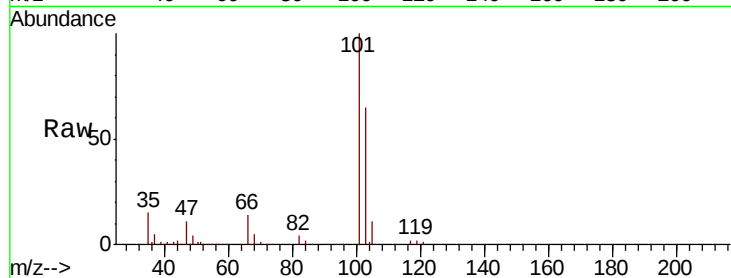
VSTDIC100

Tgt Ion:101 Resp: 810734

Ion Ratio Lower Upper

101 100

103 65.1 53.7 80.5



#8

Diethyl Ether

Concen: 97.587 ug/l

RT: 2.82 min Scan# 264

Delta R.T. -0.00 min

Lab File: VD059876.D

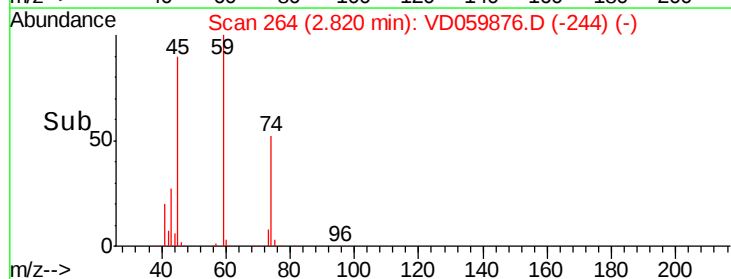
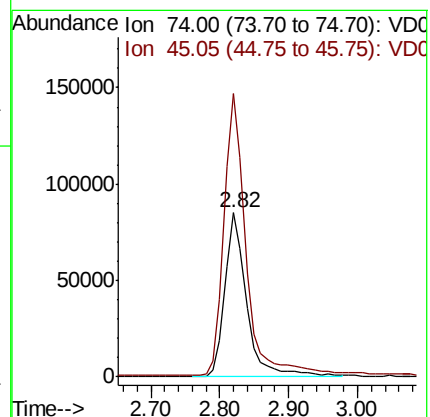
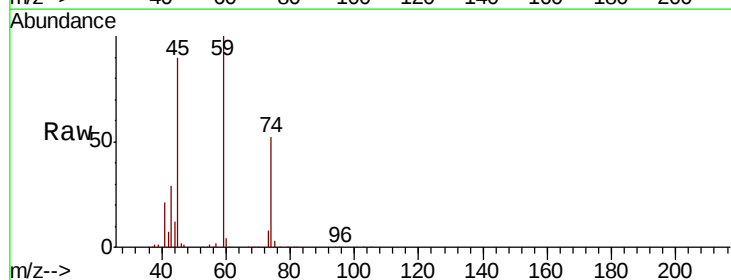
Acq: 22 Aug 2018 15:05

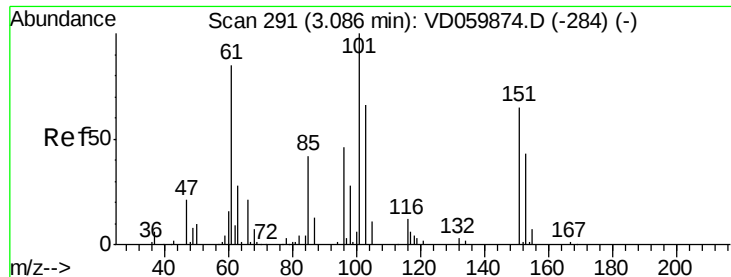
Tgt Ion: 74 Resp: 187243

Ion Ratio Lower Upper

74 100

45 172.6 85.7 257.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 94.452 ug/l

RT: 3.08 min Scan# 290

Delta R.T. -0.01 min

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VSTDIC100

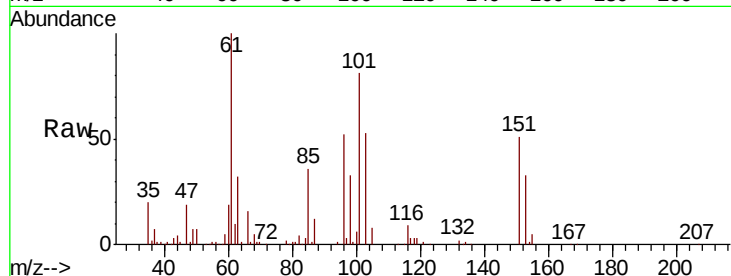
Tgt Ion:101 Resp: 503991

Ion Ratio Lower Upper

101 100

85 44.8 33.6 50.4

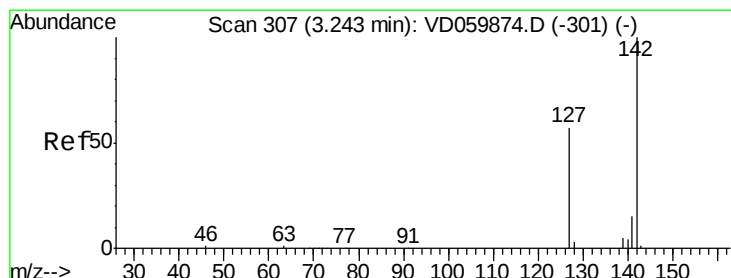
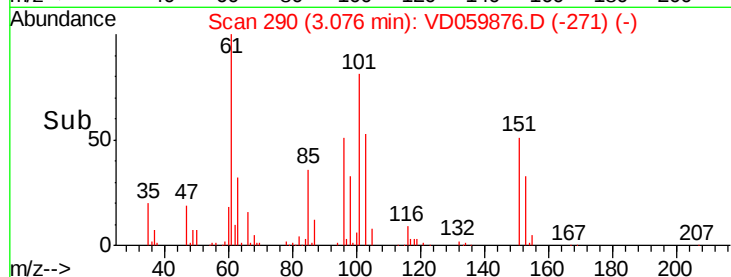
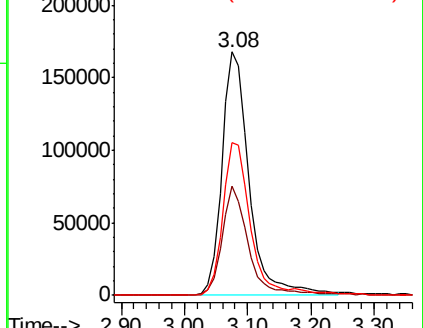
151 62.5 52.0 78.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 120.102 ug/l

RT: 3.23 min Scan# 306

Delta R.T. -0.01 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

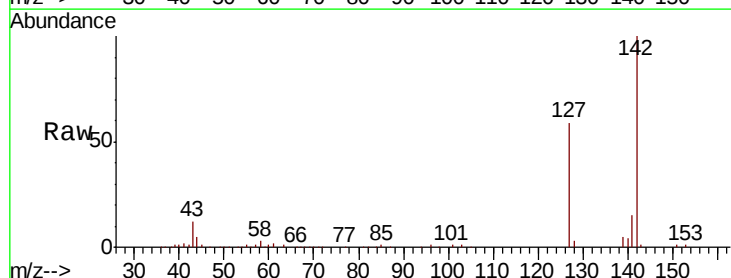
Tgt Ion:142 Resp: 605757

Ion Ratio Lower Upper

142 100

127 58.9 45.8 68.6

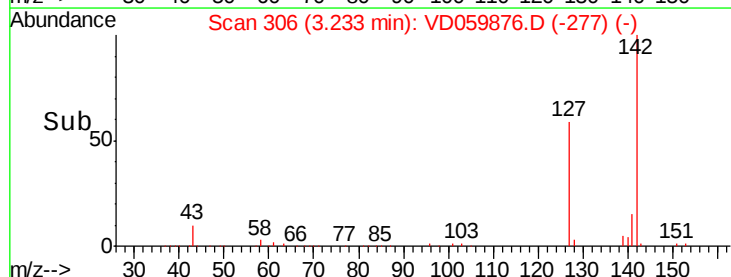
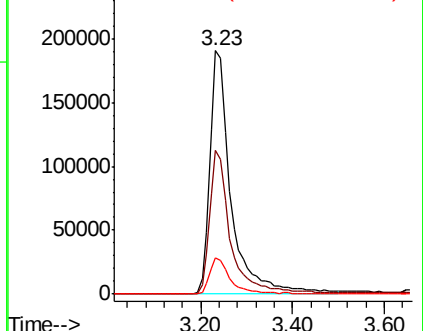
141 15.0 11.6 17.4

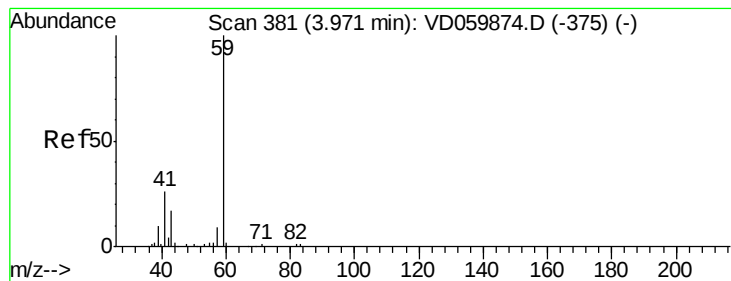


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



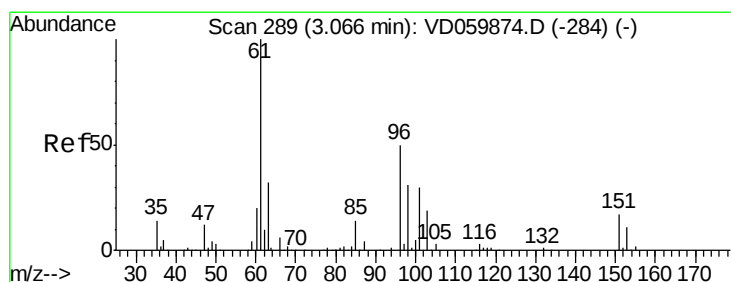
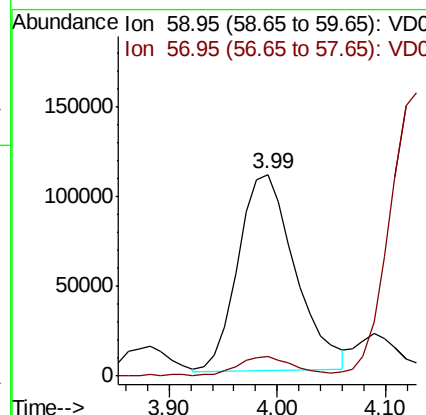
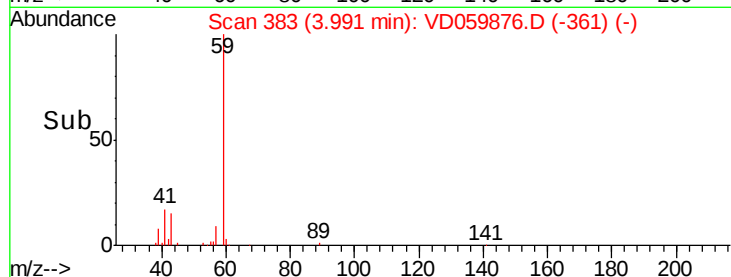
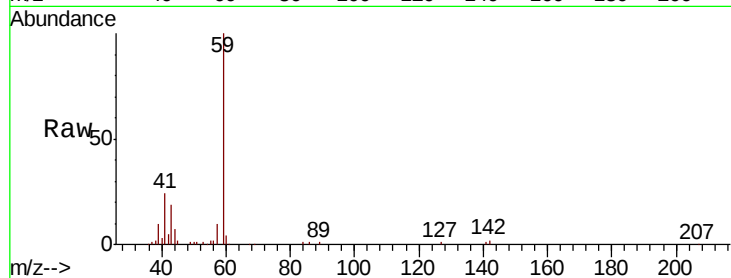


#11

Tert butyl alcohol
Concen: 500.662 ug/l
RT: 3.99 min Scan# 383
Delta R.T. 0.02 min
Lab File: VD059876.D
Acq: 22 Aug 2018 15:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

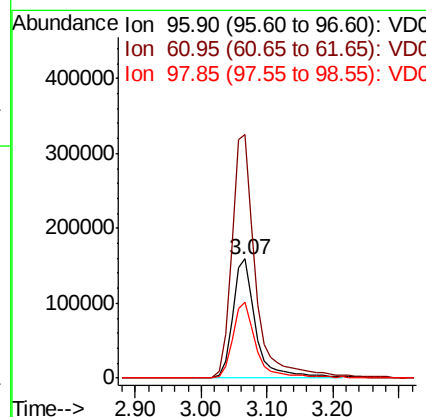
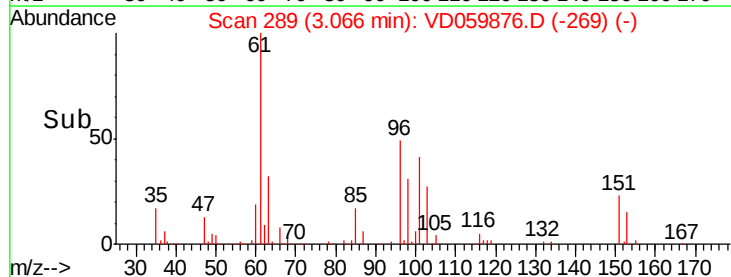
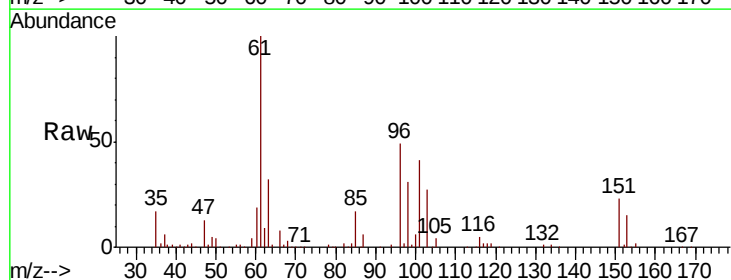
Tgt Ion: 59 Resp: 400706
Ion Ratio Lower Upper
59 100
57 9.9 7.4 11.0

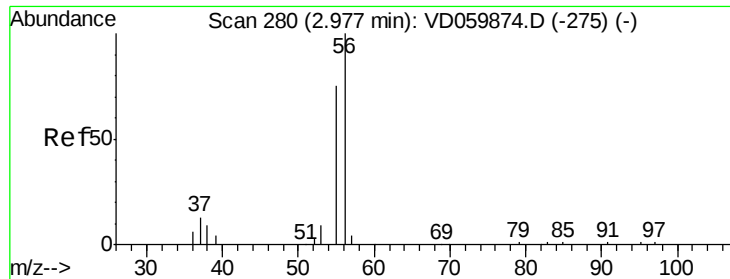


#12

1,1-Dichloroethene
Concen: 96.626 ug/l
RT: 3.07 min Scan# 289
Delta R.T. -0.00 min
Lab File: VD059876.D
Acq: 22 Aug 2018 15:05

Tgt Ion: 96 Resp: 392582
Ion Ratio Lower Upper
96 100
61 204.9 158.8 238.2
98 63.7 48.7 73.1





#13

Acrolein

Concen: 559.063 ug/l

RT: 2.98 min Scan# 280

Delta R.T. -0.00 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

Instrument :

MSVOA_D

ClientSampleId :

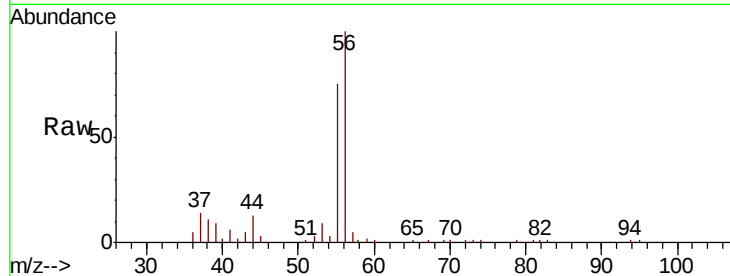
VSTDIC100

Tgt Ion: 56 Resp: 177477

Ion Ratio Lower Upper

56 100

55 75.2 61.9 92.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.98

60000

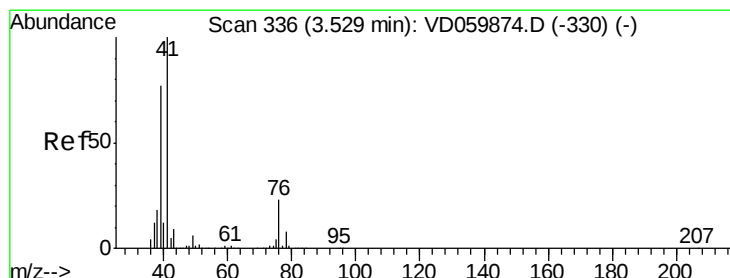
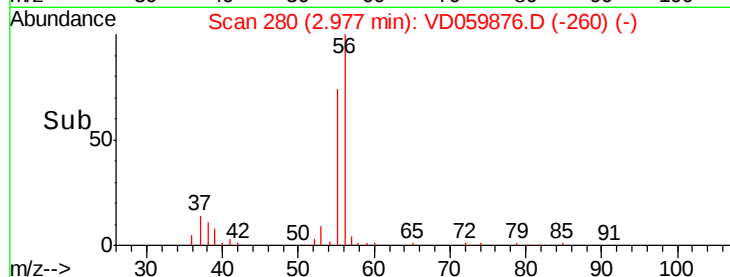
40000

20000

0

Time-->

2.80 2.90 3.00 3.10 3.20



#14

Allyl chloride

Concen: 99.726 ug/l

RT: 3.53 min Scan# 336

Delta R.T. -0.00 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

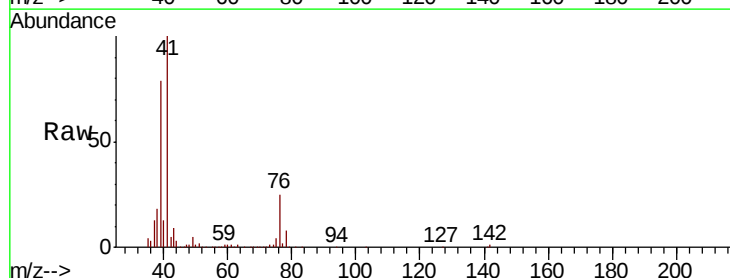
Tgt Ion: 41 Resp: 954155

Ion Ratio Lower Upper

41 100

39 79.4 61.8 92.6

76 25.3 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

3.53

400000

300000

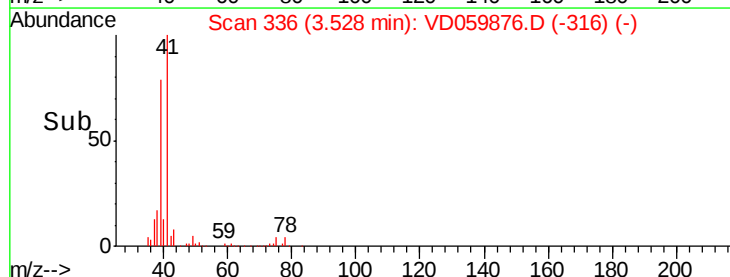
200000

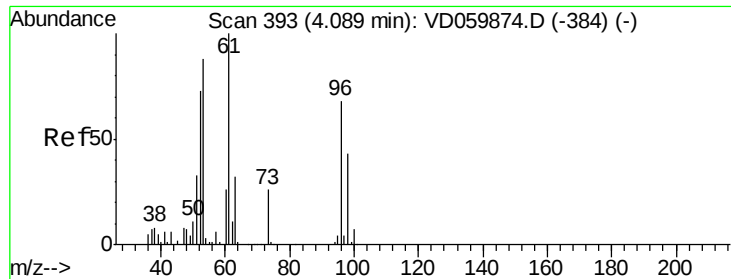
100000

0

Time-->

3.40 3.50 3.60





#15

Acrylonitrile

Concen: 478.803 ug/l

RT: 4.09 min Scan# 393

Delta R.T. -0.00 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

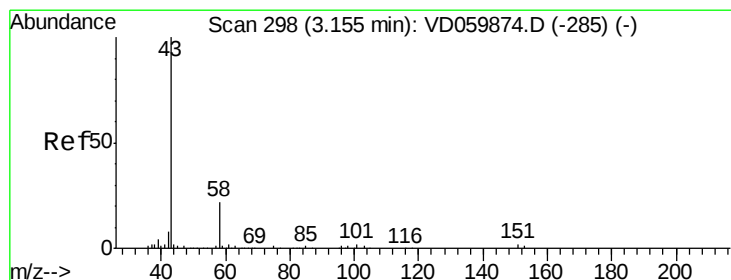
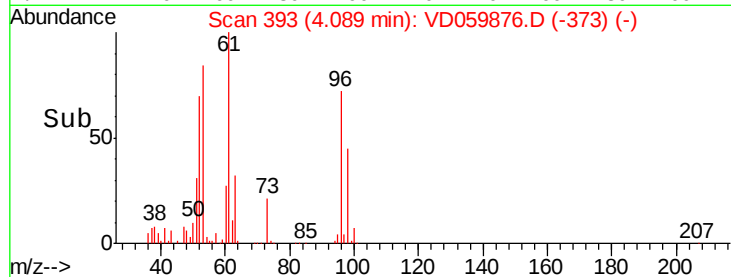
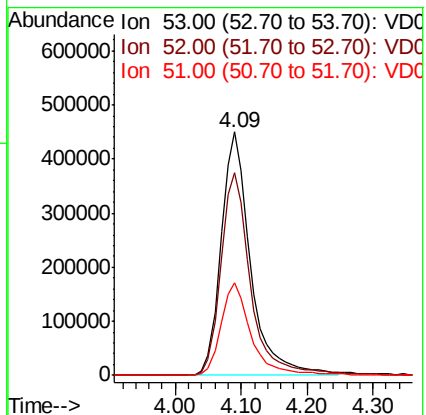
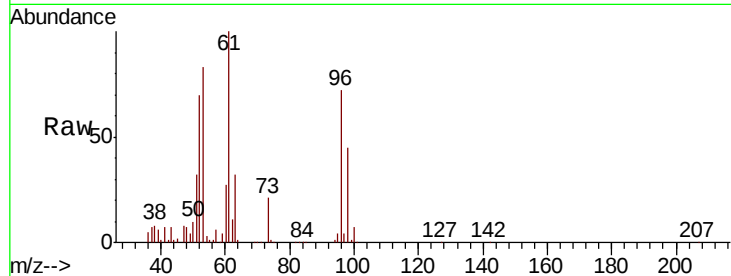
Tgt Ion: 53 Resp: 1398453

Ion Ratio Lower Upper

53 100

52 83.4 66.9 100.3

51 37.8 30.3 45.5



#16

Acetone

Concen: 547.742 ug/l

RT: 3.16 min Scan# 299

Delta R.T. 0.01 min

Lab File: VD059876.D

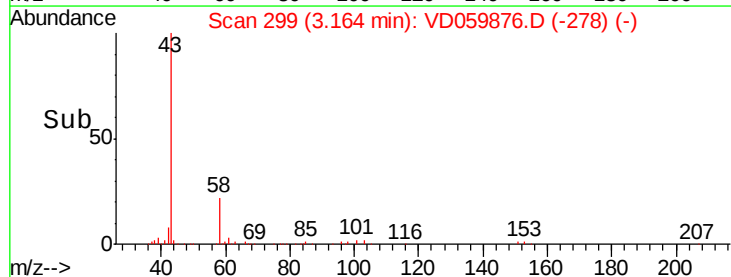
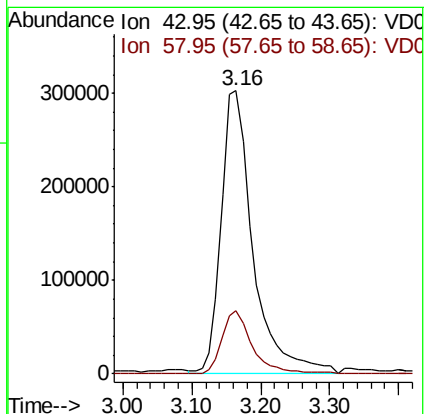
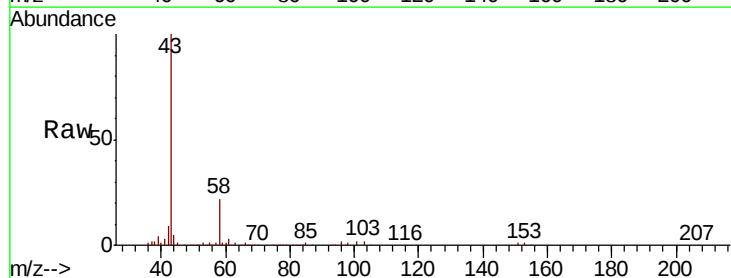
Acq: 22 Aug 2018 15:05

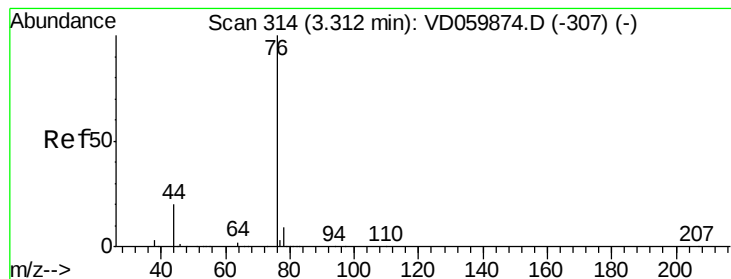
Tgt Ion: 43 Resp: 975300

Ion Ratio Lower Upper

43 100

58 22.3 17.6 26.4





#17

Carbon Disulfide

Concen: 103.988 ug/l

RT: 3.30 min Scan# 313

Delta R.T. -0.01 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

Instrument :

MSVOA_D

ClientSampleId :

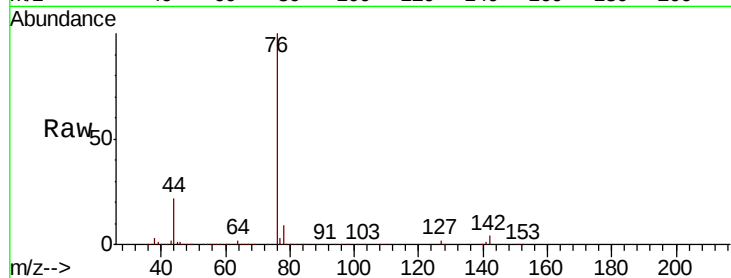
VSTDIC100

Tgt Ion: 76 Resp: 1313965

Ion Ratio Lower Upper

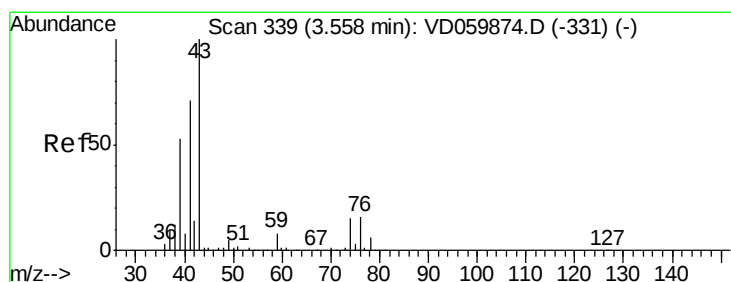
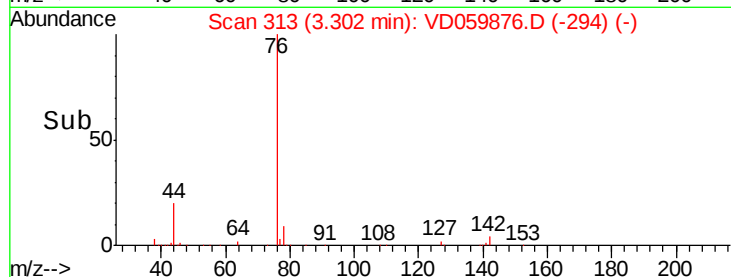
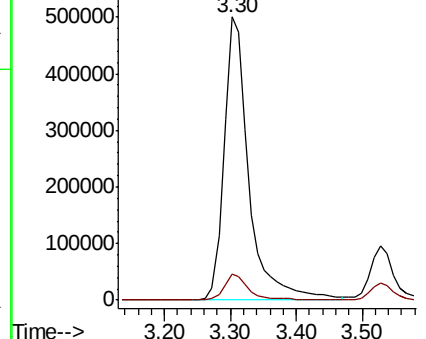
76 100

78 9.2 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: 94.276 ug/l

RT: 3.56 min Scan# 339

Delta R.T. -0.00 min

Lab File: VD059876.D

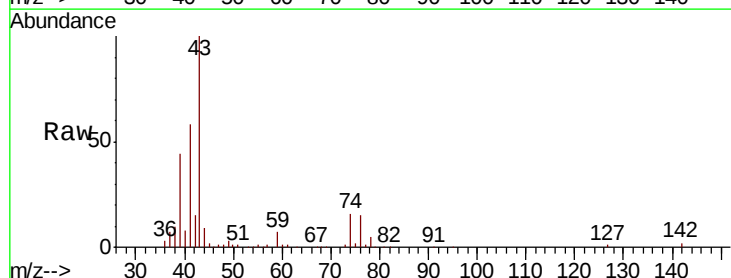
Acq: 22 Aug 2018 15:05

Tgt Ion: 43 Resp: 370182

Ion Ratio Lower Upper

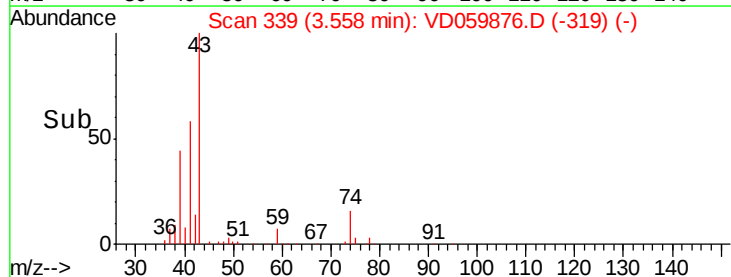
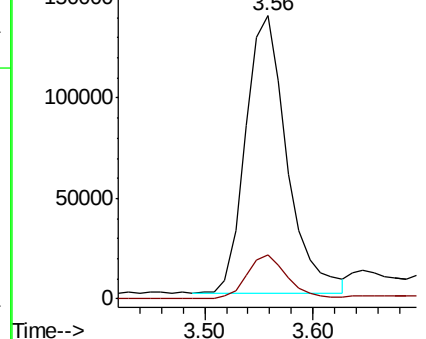
43 100

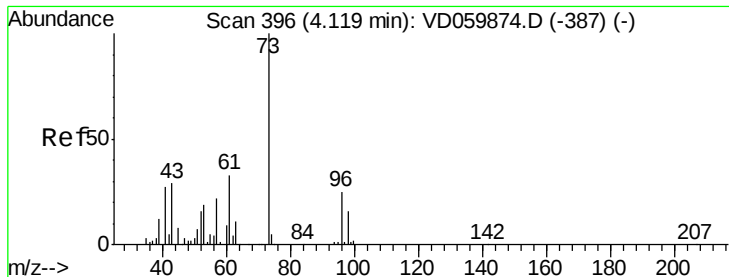
74 15.5 11.2 16.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



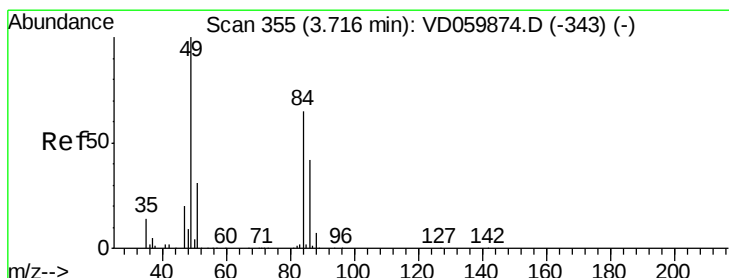
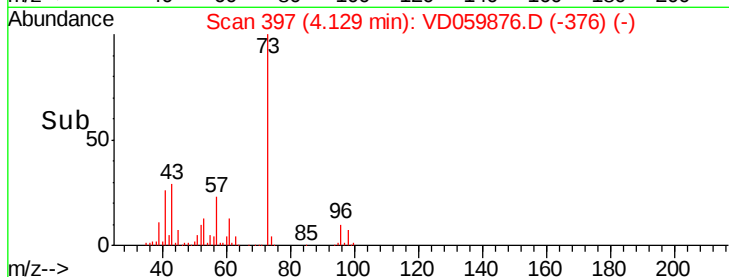
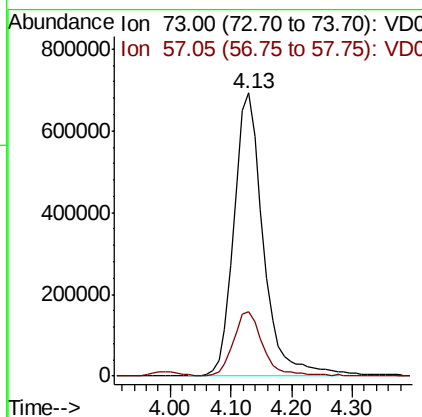
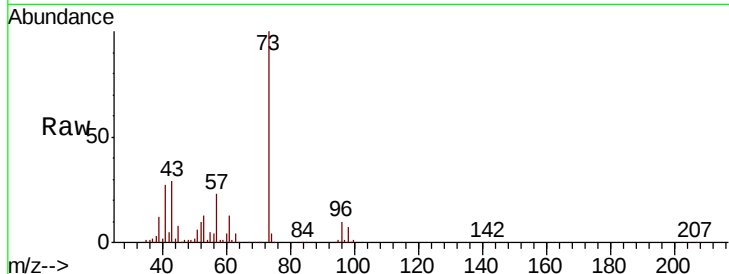


#19

Methyl tert-butyl Ether
 Concen: 95.738 ug/l
 RT: 4.13 min Scan# 397
 Delta R.T. 0.01 min
 Lab File: VD059876.D
 Acq: 22 Aug 2018 15:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

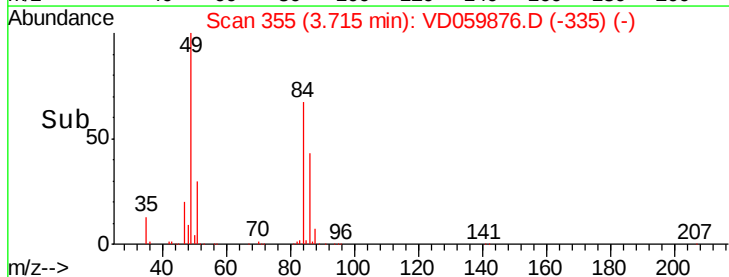
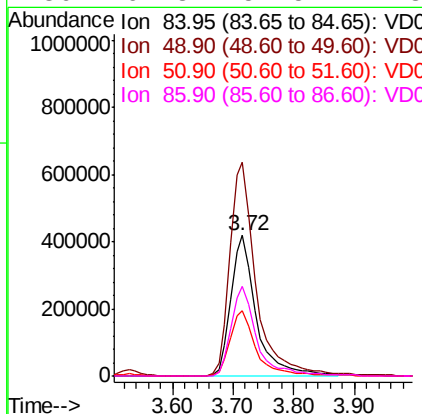
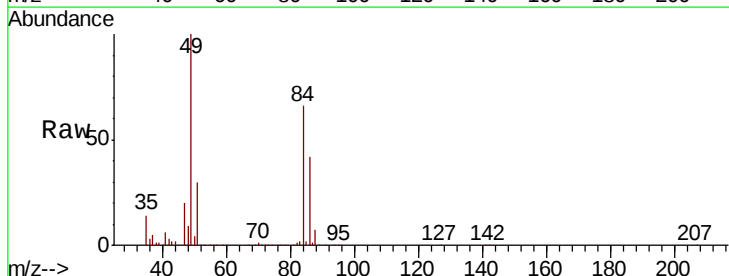
Tgt Ion: 73 Resp: 2327973
 Ion Ratio Lower Upper
 73 100
 57 22.8 17.9 26.9

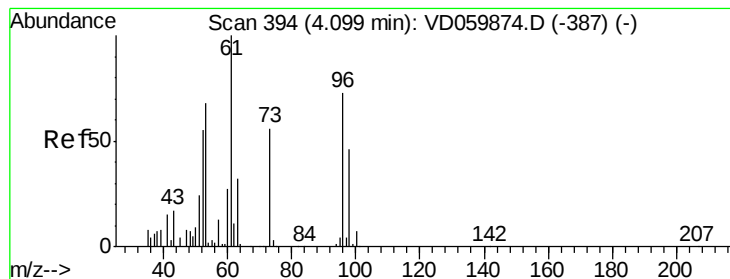


#20

Methylene Chloride
 Concen: 83.790 ug/l
 RT: 3.72 min Scan# 355
 Delta R.T. -0.00 min
 Lab File: VD059876.D
 Acq: 22 Aug 2018 15:05

Tgt Ion: 84 Resp: 1224113
 Ion Ratio Lower Upper
 84 100
 49 152.3 122.6 183.8
 51 46.1 38.4 57.6
 86 64.3 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 97.923 ug/l

RT: 4.09 min Scan# 393

Delta R.T. -0.01 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

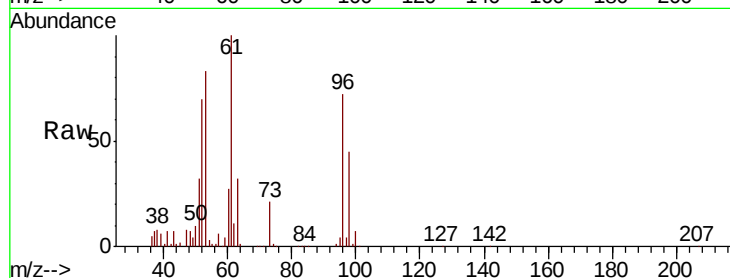
Tgt Ion: 96 Resp: 1126742

Ion Ratio Lower Upper

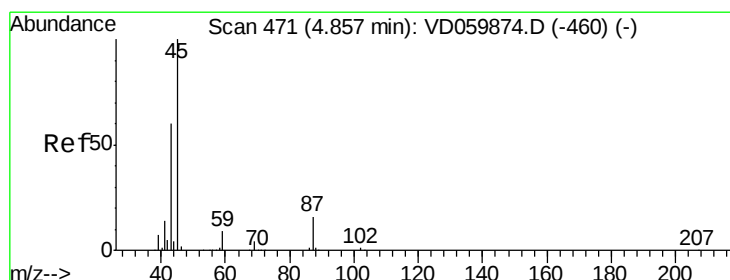
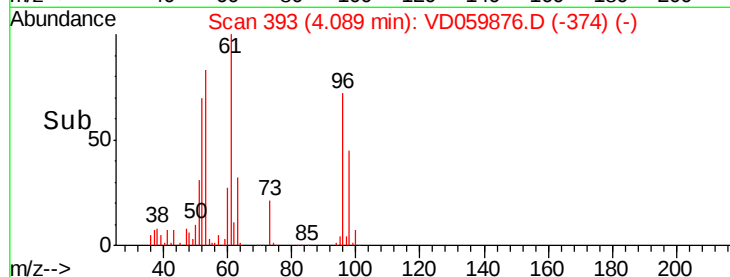
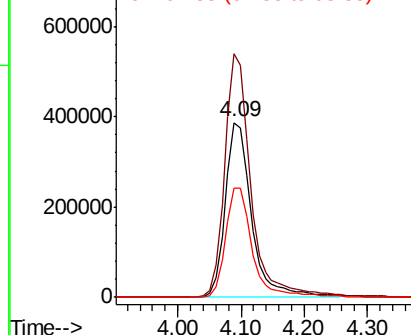
96 100

61 139.5 110.2 165.4

98 62.4 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: 98.504 ug/l

RT: 4.86 min Scan# 471

Delta R.T. -0.00 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

Tgt Ion: 45 Resp: 4795606

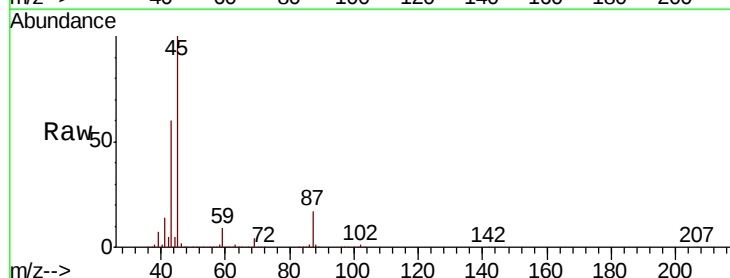
Ion Ratio Lower Upper

45 100

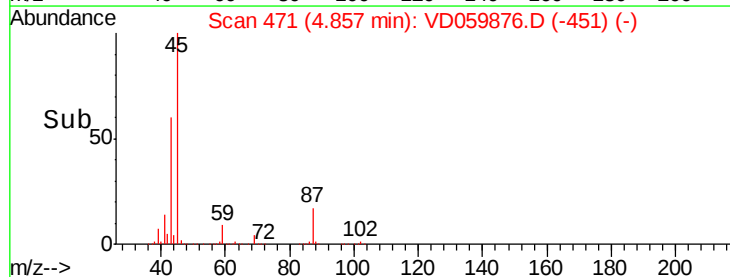
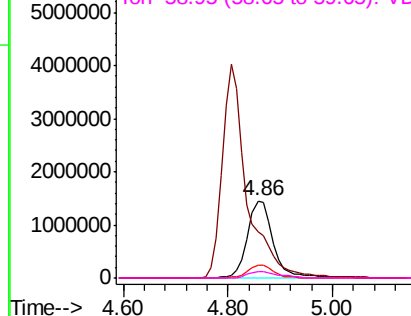
43 60.1 48.6 72.8

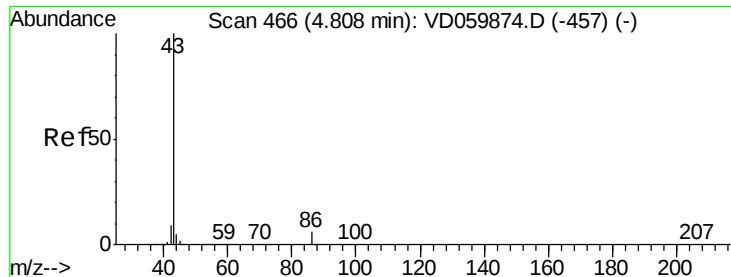
87 16.7 13.3 19.9

59 8.9 7.1 10.7



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 483.653 ug/l

RT: 4.81 min Scan# 466

Delta R.T. -0.00 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

Instrument :

MSVOA_D

ClientSampleId :

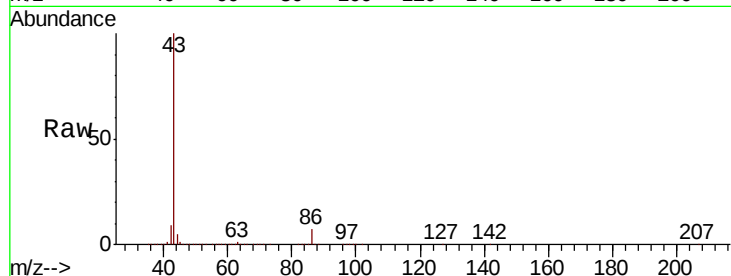
VSTDIC100

Tgt Ion: 43 Resp:13121894

Ion Ratio Lower Upper

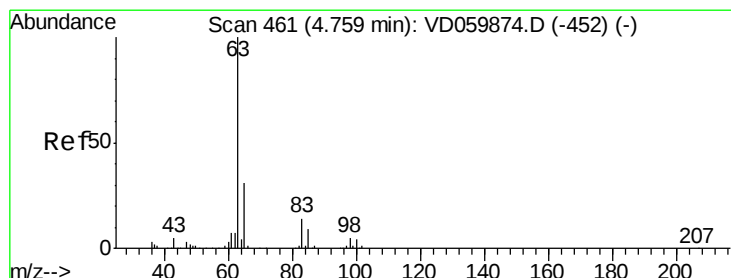
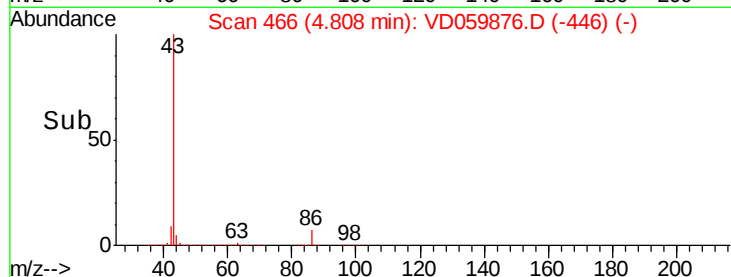
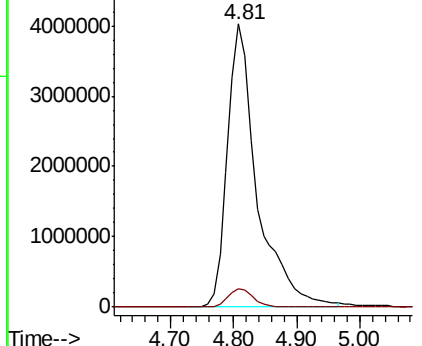
43 100

86 6.6 5.0 7.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 98.015 ug/l

RT: 4.76 min Scan# 461

Delta R.T. -0.00 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

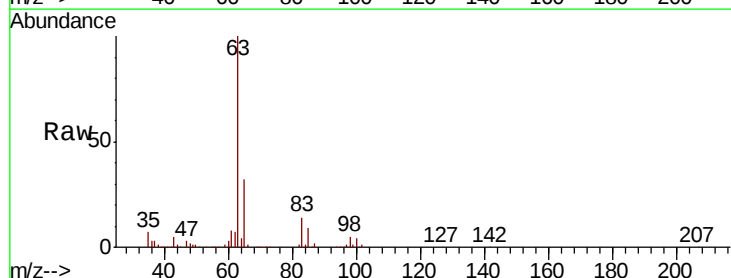
Tgt Ion: 63 Resp: 2057837

Ion Ratio Lower Upper

63 100

98 5.3 2.7 8.1

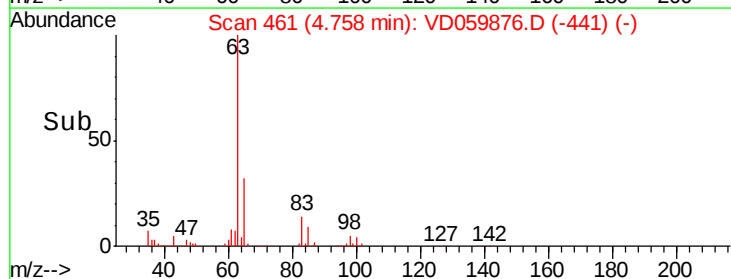
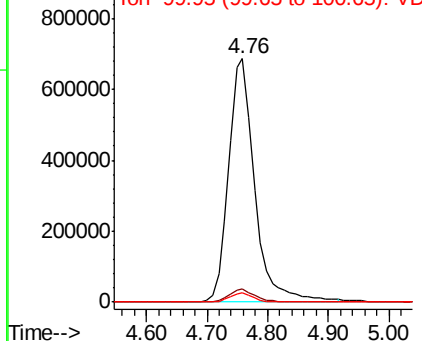
100 3.7 1.8 5.3

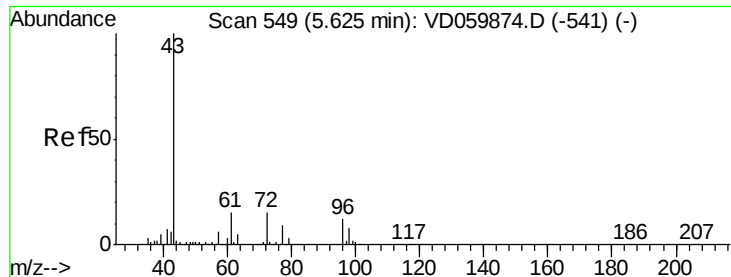


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 527.374 ug/l

RT: 5.63 min Scan# 550

Delta R.T. 0.01 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

Instrument :

MSVOA_D

ClientSampleId :

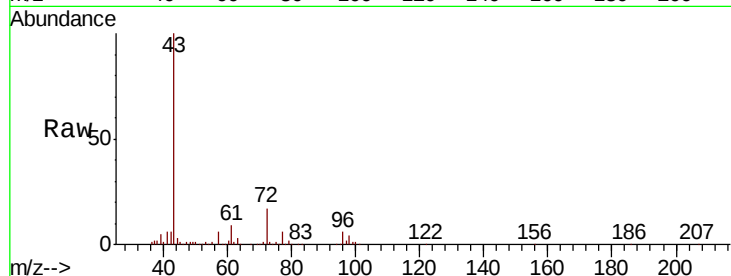
VSTDIC100

Tgt Ion: 43 Resp: 2804423

Ion Ratio Lower Upper

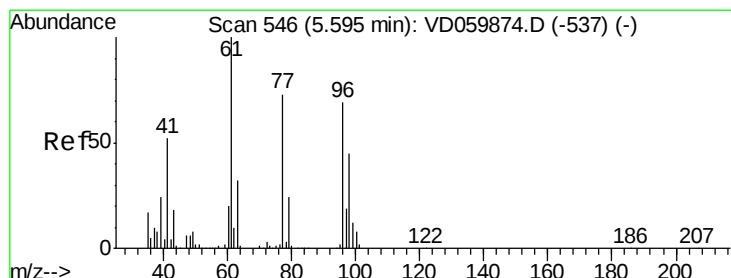
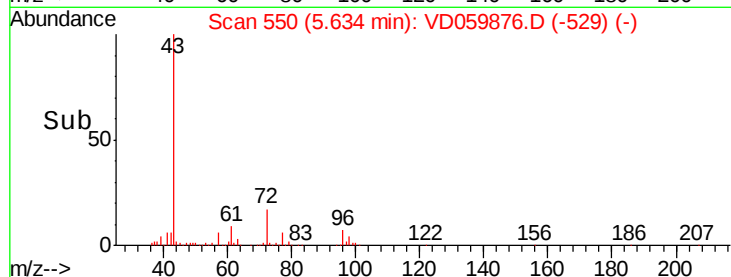
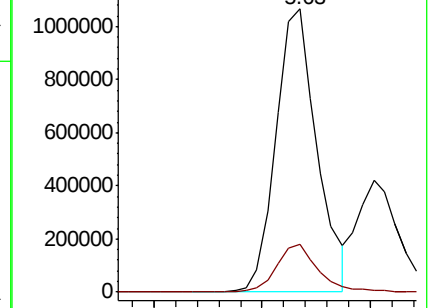
43 100

72 16.8 12.3 18.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 91.052 ug/l

RT: 5.59 min Scan# 545

Delta R.T. -0.01 min

Lab File: VD059876.D

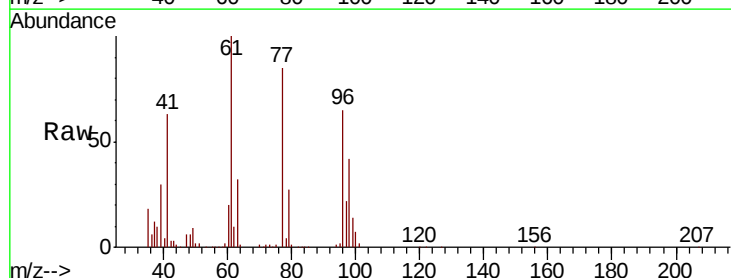
Acq: 22 Aug 2018 15:05

Tgt Ion: 77 Resp: 1561663

Ion Ratio Lower Upper

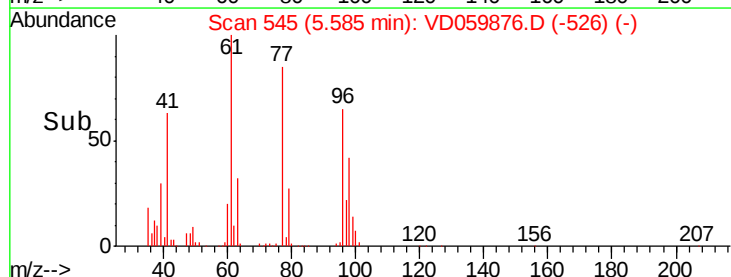
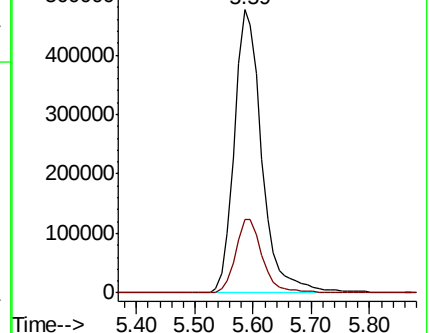
77 100

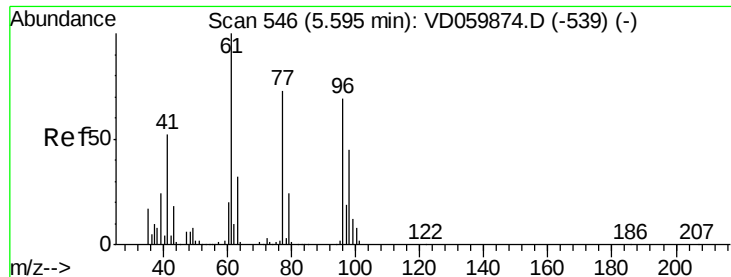
97 26.0 13.0 38.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



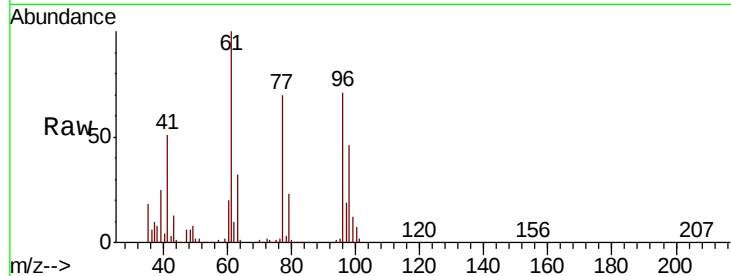


#27

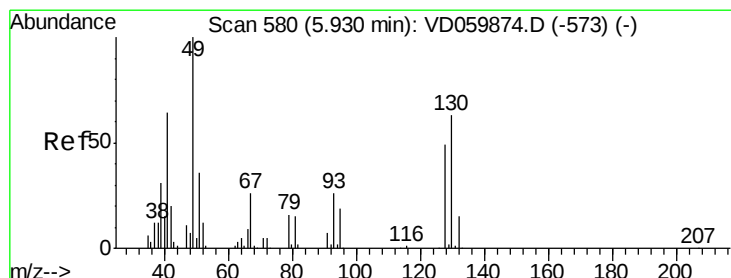
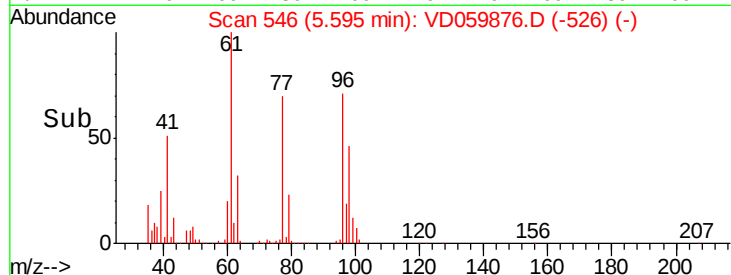
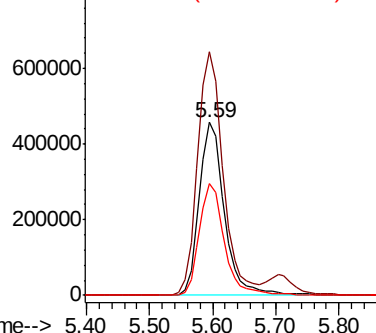
cis-1,2-Dichloroethene
Concen: 98.773 ug/l
RT: 5.59 min Scan# 546
Delta R.T. -0.00 min
Lab File: VD059876.D
Acq: 22 Aug 2018 15:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion: 96 Resp: 1261565
Ion Ratio Lower Upper
96 100
61 140.8 0.0 290.2
98 64.6 0.0 130.4



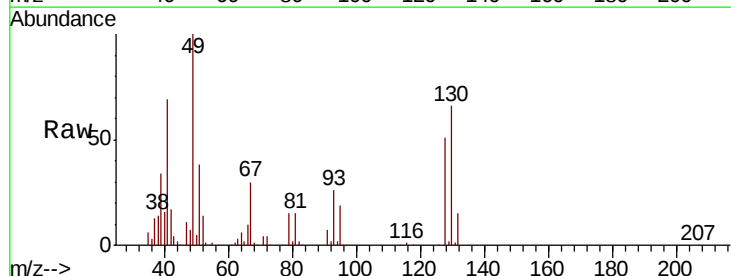
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



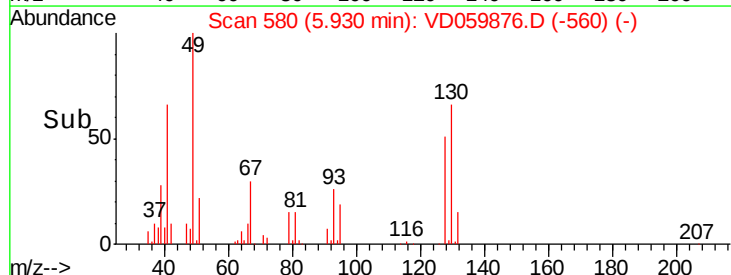
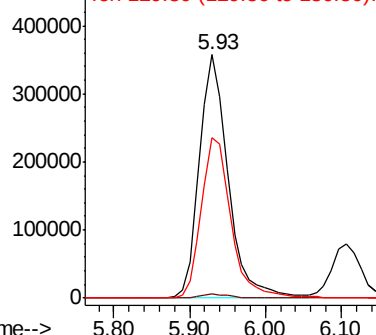
#28

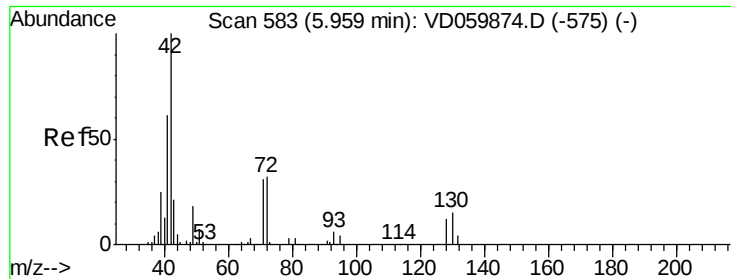
Bromochloromethane
Concen: 93.780 ug/l
RT: 5.93 min Scan# 580
Delta R.T. -0.00 min
Lab File: VD059876.D
Acq: 22 Aug 2018 15:05

Tgt Ion: 49 Resp: 945744
Ion Ratio Lower Upper
49 100
129 1.7 0.0 3.2
130 65.8 50.6 75.8



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

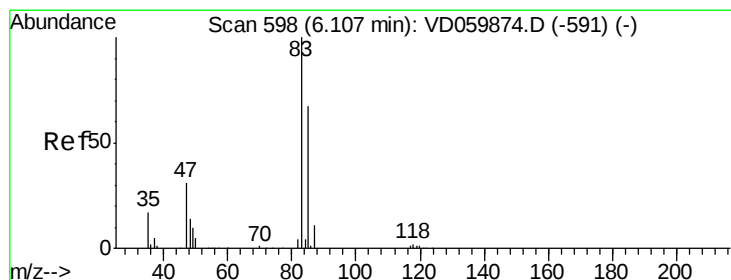
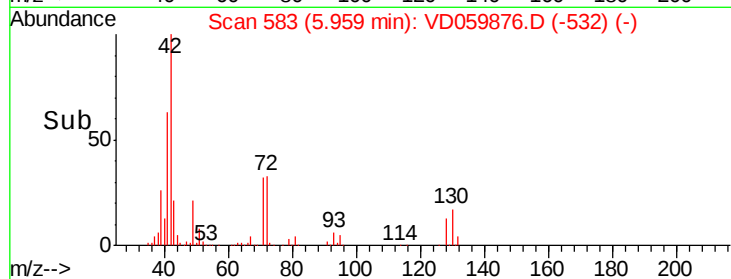
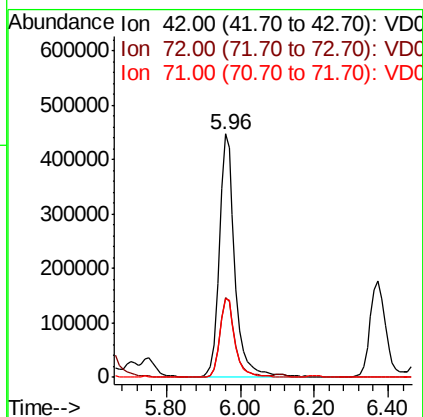
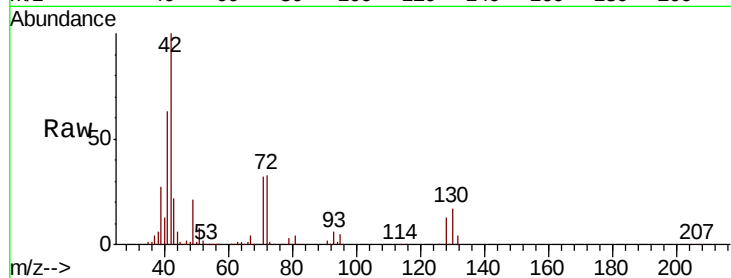




#29
Tetrahydrofuran
Concen: 487.957 ug/l
RT: 5.96 min Scan# 583
Delta R.T. -0.00 min
Lab File: VD059876.D
Acq: 22 Aug 2018 15:05

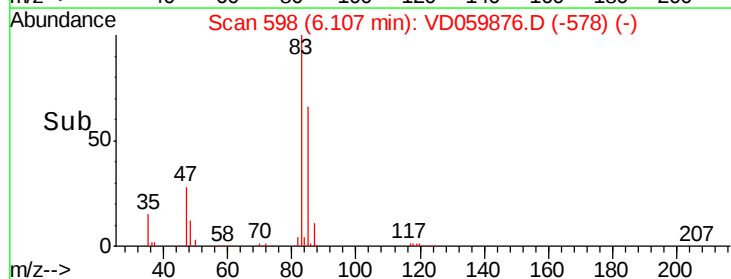
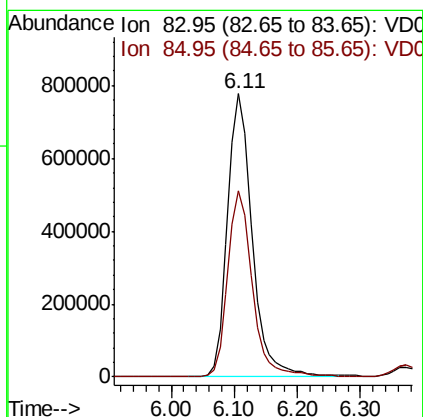
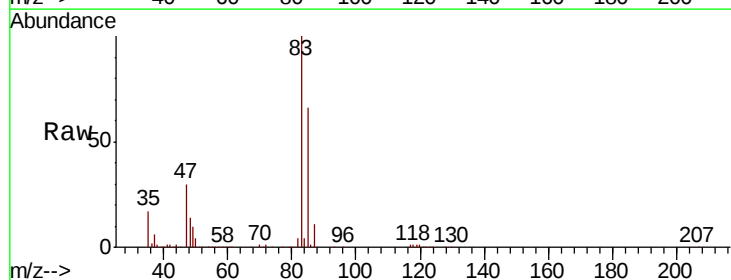
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

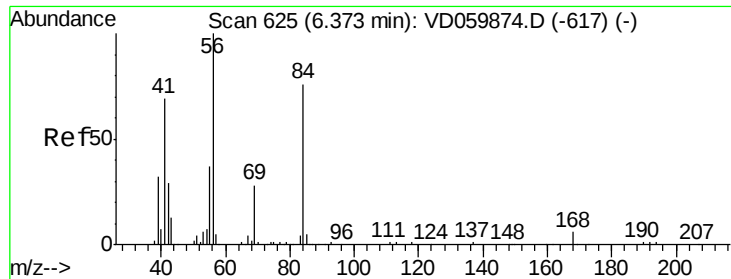
Tgt Ion: 42 Resp: 1294780
Ion Ratio Lower Upper
42 100
72 32.3 25.7 38.5
71 31.8 25.3 37.9



#30
Chloroform
Concen: 98.164 ug/l
RT: 6.11 min Scan# 598
Delta R.T. -0.00 min
Lab File: VD059876.D
Acq: 22 Aug 2018 15:05

Tgt Ion: 83 Resp: 2104023
Ion Ratio Lower Upper
83 100
85 65.7 53.5 80.3

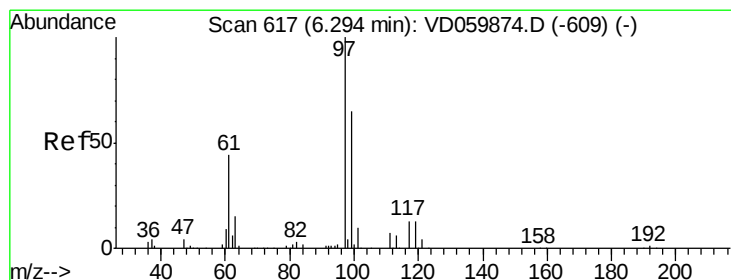
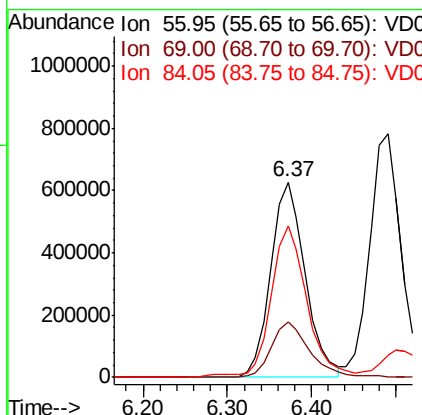
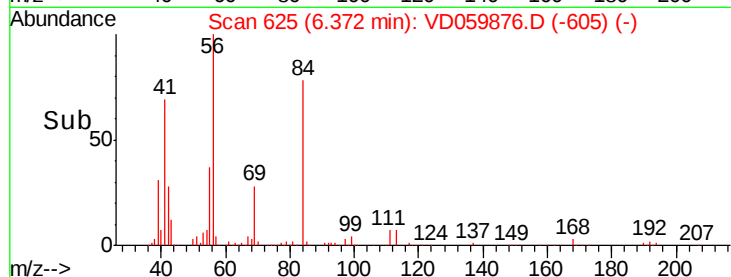
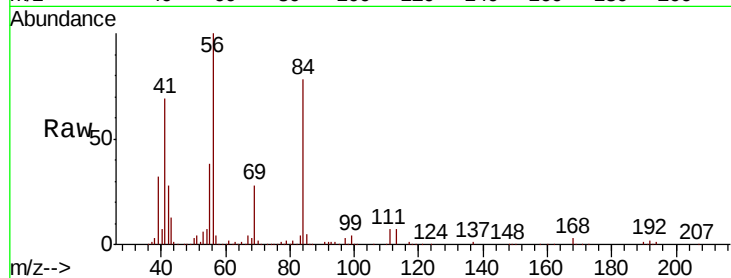




#31
Cyclohexane
Concen: 93.376 ug/l
RT: 6.37 min Scan# 625
Delta R.T. -0.00 min
Lab File: VD059876.D
Acq: 22 Aug 2018 15:05

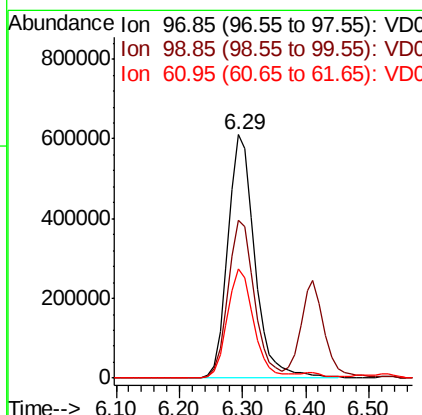
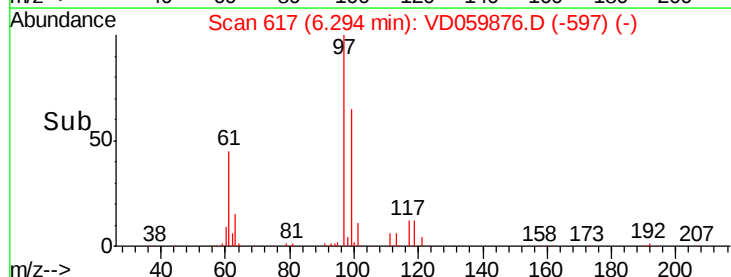
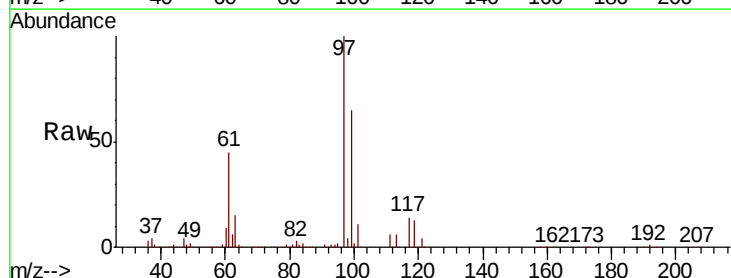
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

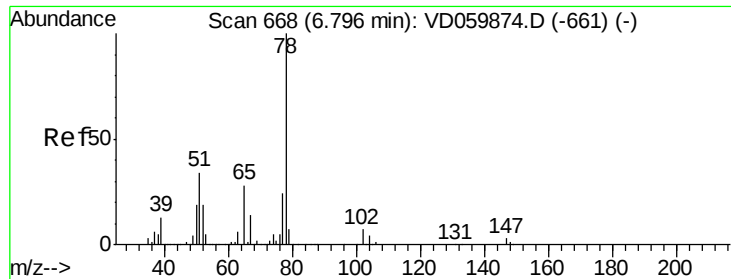
Tgt Ion: 56 Resp: 1790707
Ion Ratio Lower Upper
56 100
69 28.1 22.4 33.6
84 77.6 62.1 93.1



#32
1,1,1-Trichloroethane
Concen: 98.856 ug/l
RT: 6.29 min Scan# 617
Delta R.T. -0.00 min
Lab File: VD059876.D
Acq: 22 Aug 2018 15:05

Tgt Ion: 97 Resp: 1797172
Ion Ratio Lower Upper
97 100
99 64.7 51.7 77.5
61 45.0 35.4 53.2





#33

1,2-Dichloroethane-d4

Concen: 98.856 ug/l

RT: 6.80 min Scan# 668

Delta R.T. -0.00 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

Instrument :

MSVOA_D

ClientSampleId :

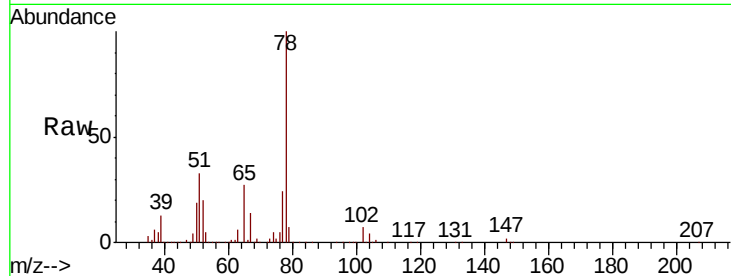
VSTDIC100

Tgt Ion: 65 Resp: 944603

Ion Ratio Lower Upper

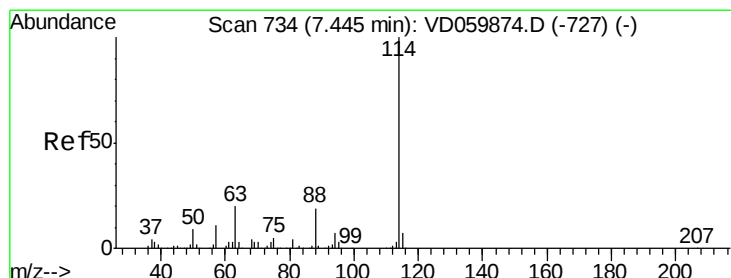
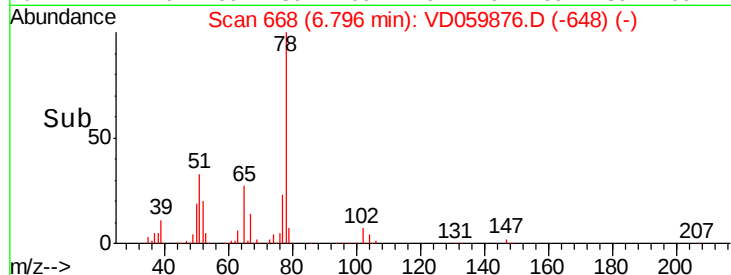
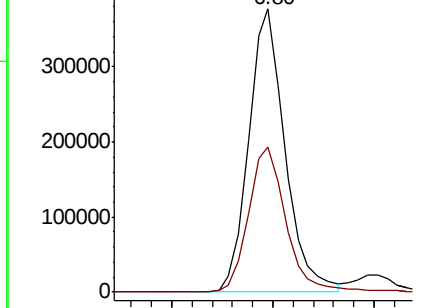
65 100

67 51.1 0.0 103.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.45 min Scan# 734

Delta R.T. -0.00 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

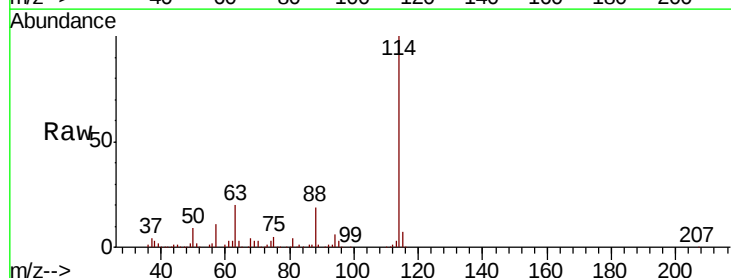
Tgt Ion: 114 Resp: 1699160

Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.4

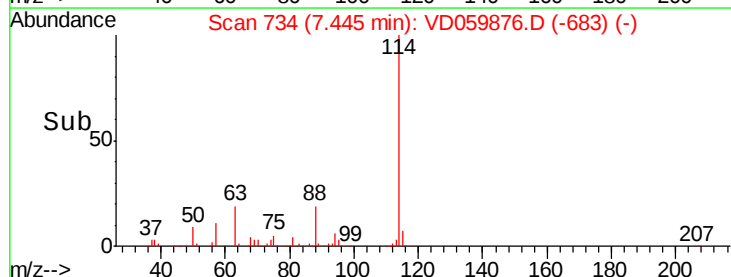
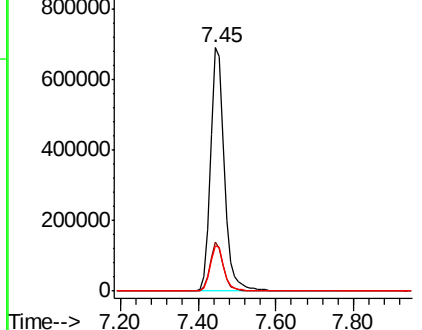
88 18.7 0.0 37.6

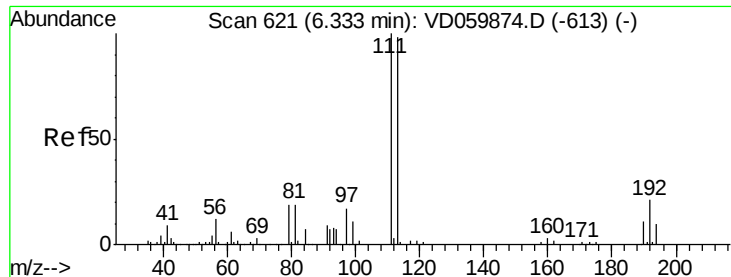


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

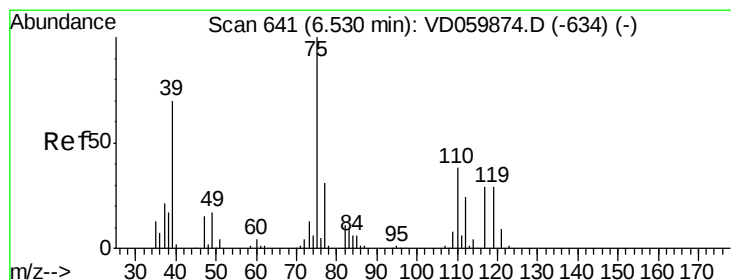
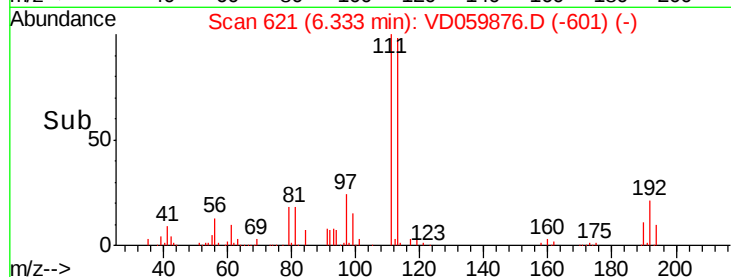
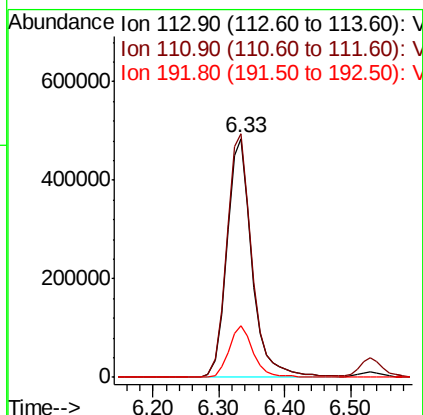
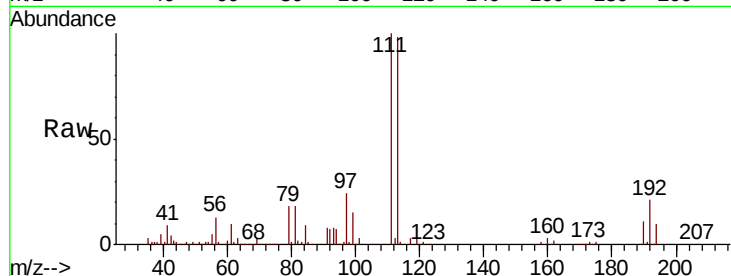




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.33 min Scan# 621
 Delta R.T. -0.00 min
 Lab File: VD059876.D
 Acq: 22 Aug 2018 15:05

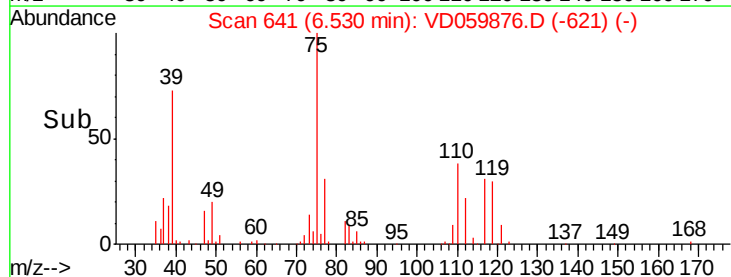
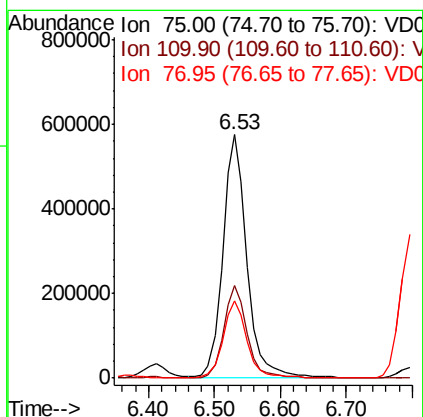
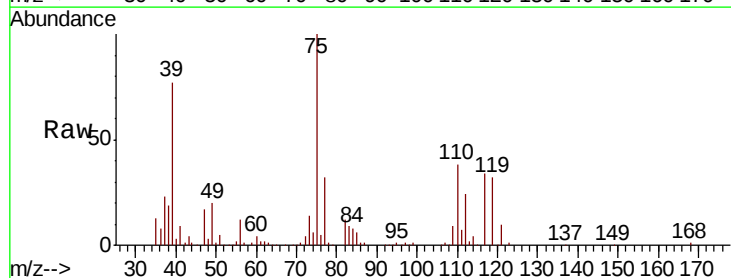
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

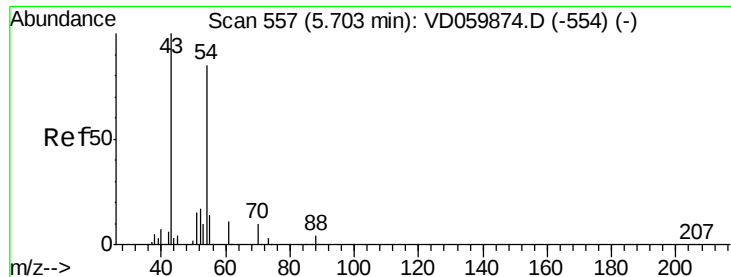
Tgt Ion:113 Resp: 1286735
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.4 122.2
 192 21.4 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 95.552 ug/l
 RT: 6.53 min Scan# 641
 Delta R.T. -0.00 min
 Lab File: VD059876.D
 Acq: 22 Aug 2018 15:05

Tgt Ion: 75 Resp: 1439873
 Ion Ratio Lower Upper
 75 100
 110 37.9 18.6 56.0
 77 31.5 25.1 37.7

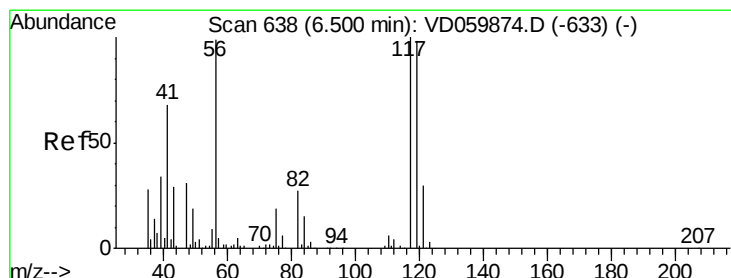
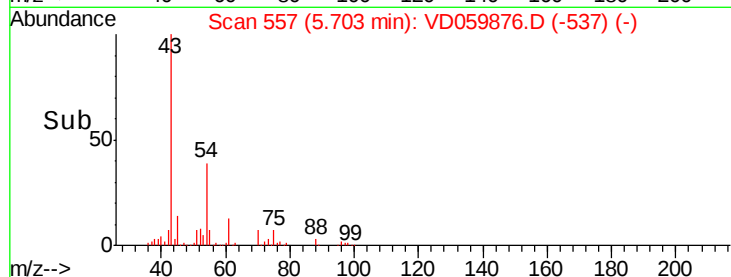
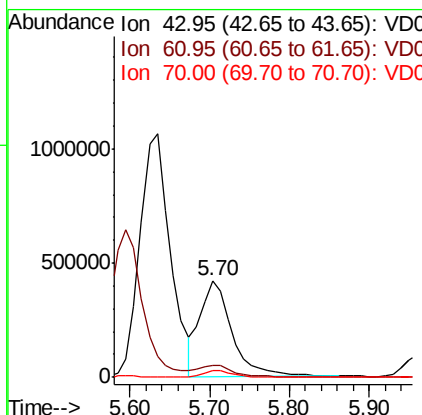
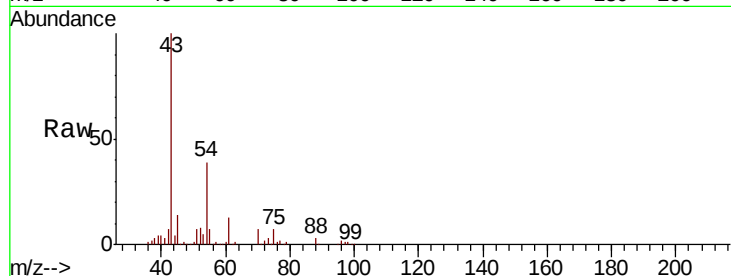




#37
Ethyl Acetate
Concen: 96.394 ug/l
RT: 5.70 min Scan# 557
Delta R.T. -0.00 min
Lab File: VD059876.D
Acq: 22 Aug 2018 15:05

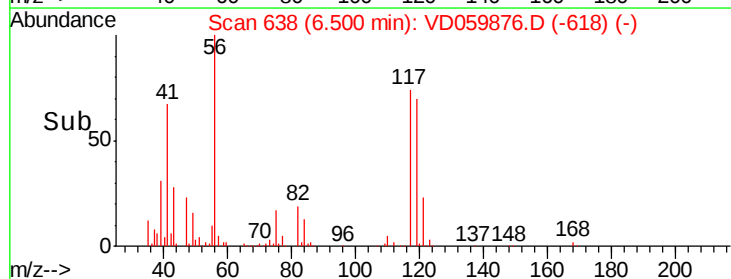
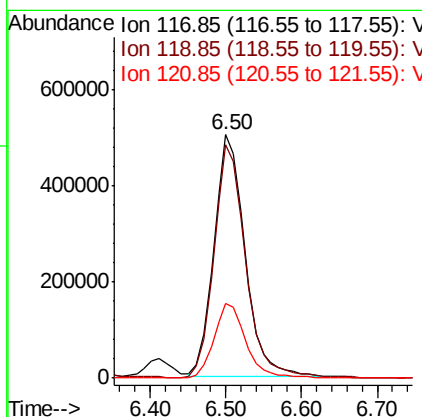
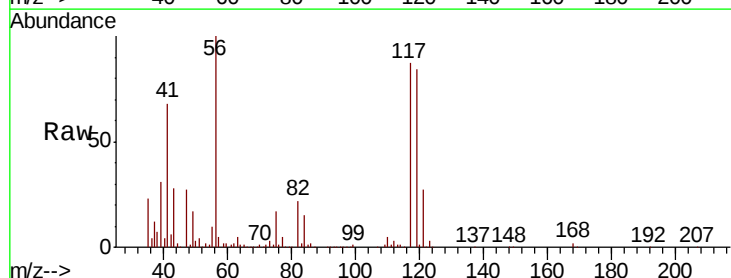
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

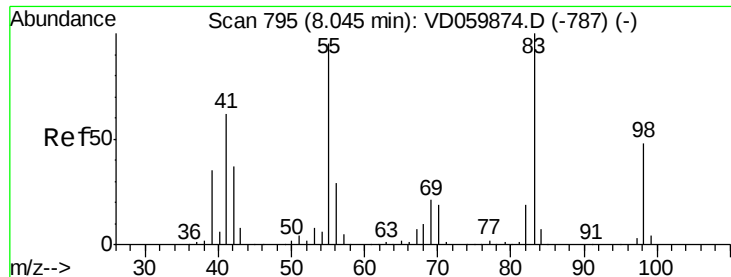
Tgt Ion: 43 Resp: 1165628
Ion Ratio Lower Upper
43 100
61 12.9 11.0 16.6
70 7.3 5.7 8.5



#38
Carbon Tetrachloride
Concen: 94.356 ug/l
RT: 6.50 min Scan# 638
Delta R.T. -0.00 min
Lab File: VD059876.D
Acq: 22 Aug 2018 15:05

Tgt Ion: 117 Resp: 1441197
Ion Ratio Lower Upper
117 100
119 95.9 77.2 115.8
121 30.5 24.0 36.0

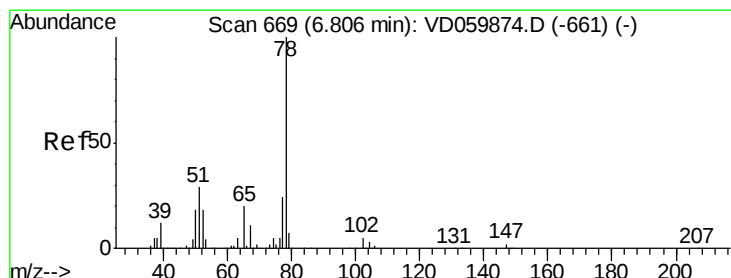
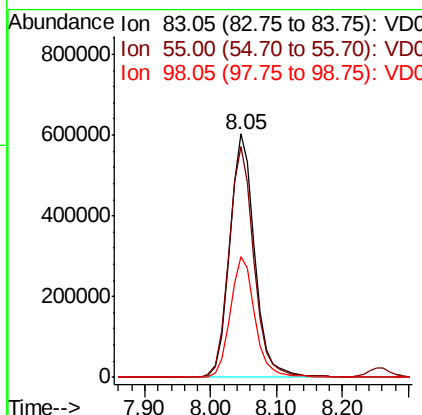
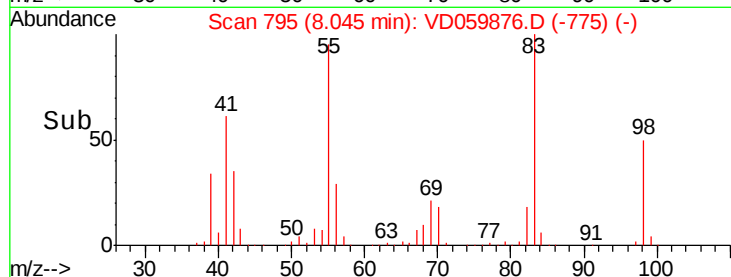
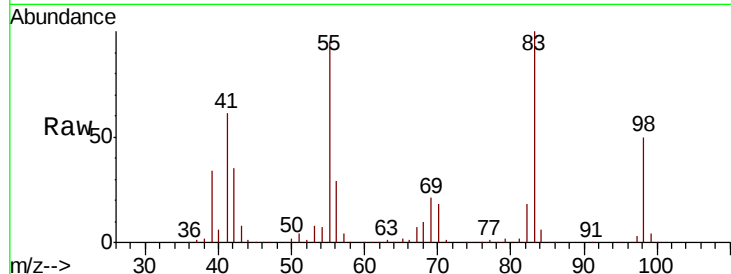




#39
Methylcyclohexane
Concen: 96.089 ug/l
RT: 8.05 min Scan# 795
Delta R.T. -0.00 min
Lab File: VD059876.D
Acq: 22 Aug 2018 15:05

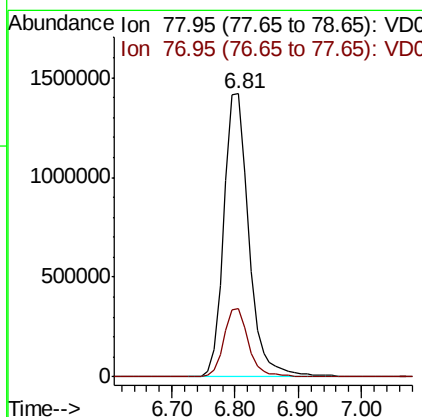
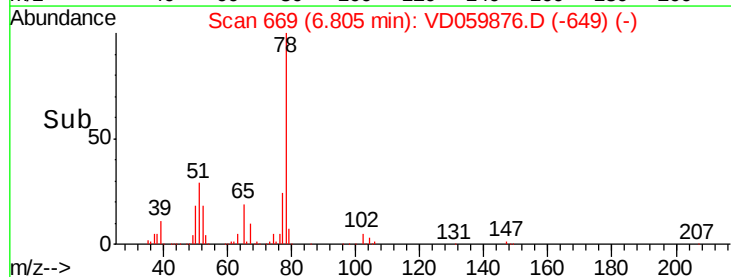
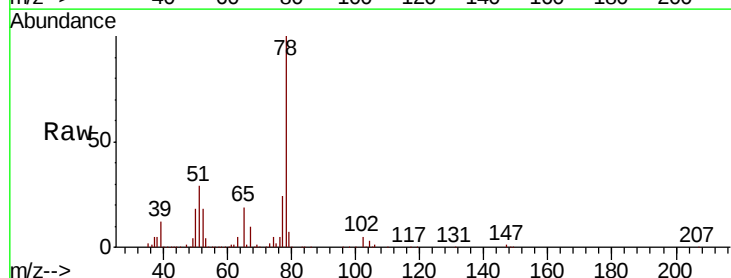
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

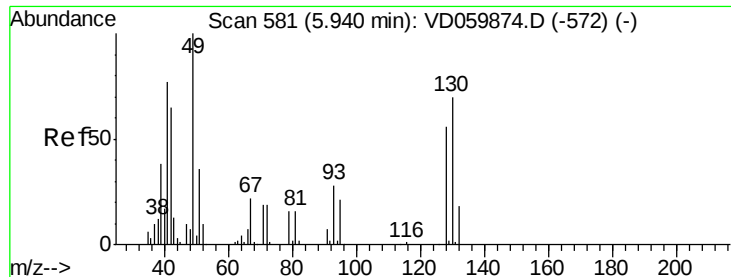
Tgt Ion: 83 Resp: 1598287
Ion Ratio Lower Upper
83 100
55 95.1 75.8 113.6
98 49.7 38.3 57.5



#40
Benzene
Concen: 99.173 ug/l
RT: 6.81 min Scan# 669
Delta R.T. -0.00 min
Lab File: VD059876.D
Acq: 22 Aug 2018 15:05

Tgt Ion: 78 Resp: 3916512
Ion Ratio Lower Upper
78 100
77 24.1 19.0 28.4





#41

Methacrylonitrile

Concen: 118.826 ug/l

RT: 5.96 min Scan# 583

Delta R.T. 0.02 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tgt Ion: 41 Resp: 1289534

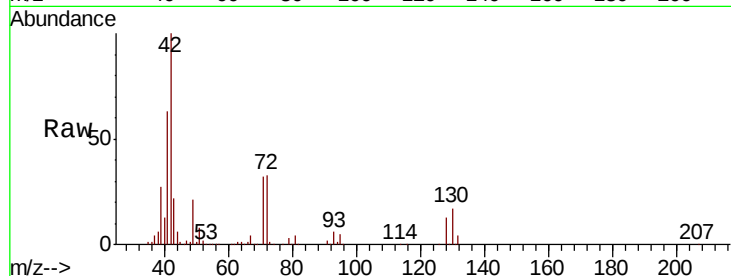
Ion Ratio Lower Upper

41 100

39 42.2 39.4 59.2

67 6.9 22.2 33.2#

52 3.2 10.1 15.1#

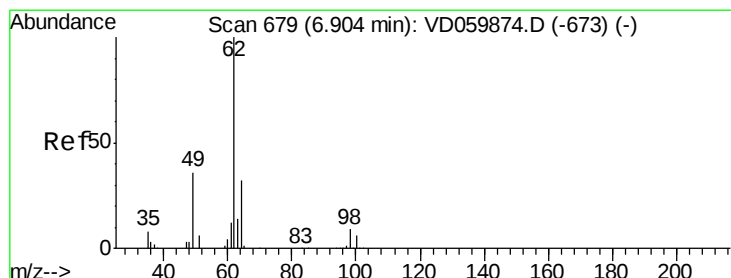
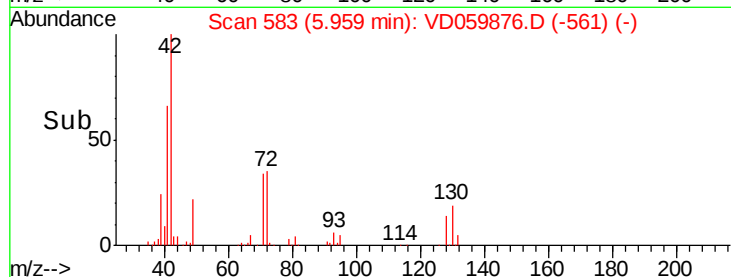
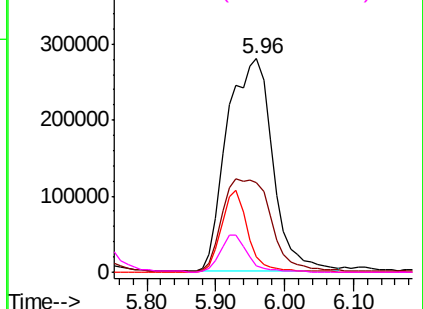


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 98.992 ug/l

RT: 6.90 min Scan# 679

Delta R.T. -0.00 min

Lab File: VD059876.D

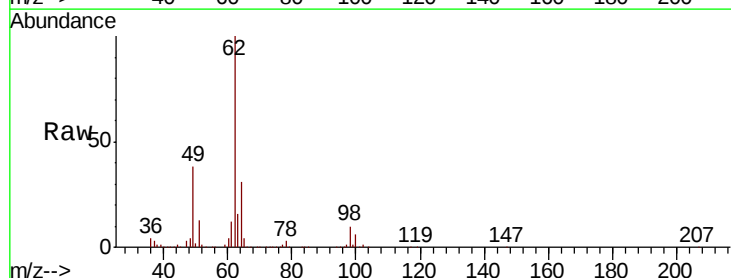
Acq: 22 Aug 2018 15:05

Tgt Ion: 62 Resp: 1275162

Ion Ratio Lower Upper

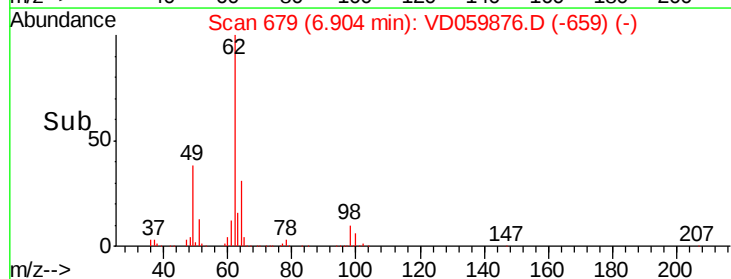
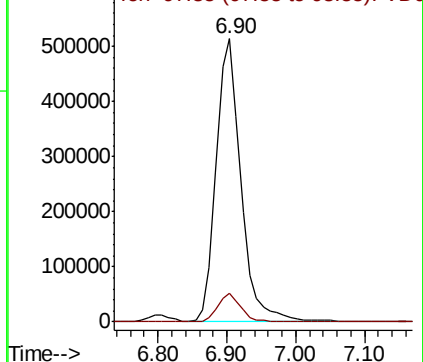
62 100

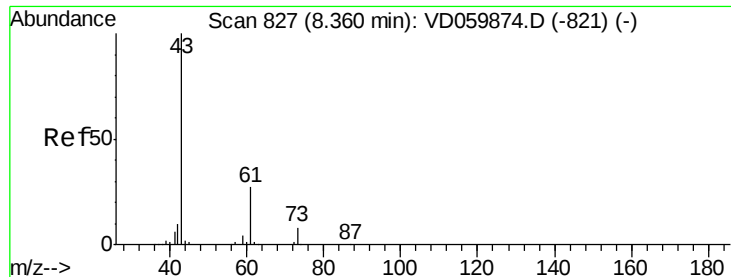
98 9.9 0.0 18.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 101.136 ug/l

RT: 8.36 min Scan# 827

Delta R.T. -0.00 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

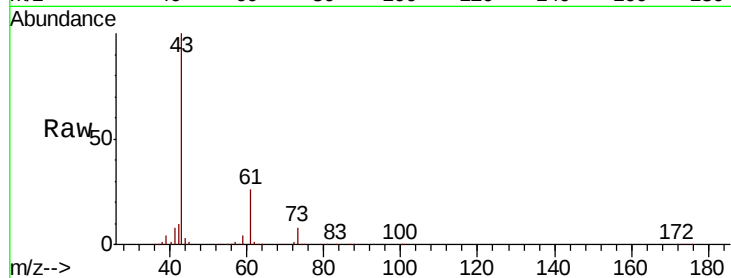
Tgt Ion: 43 Resp: 1607004

Ion Ratio Lower Upper

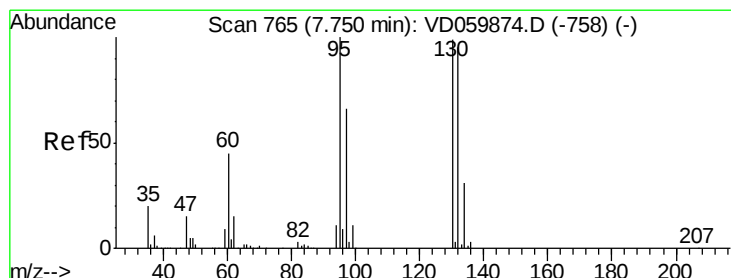
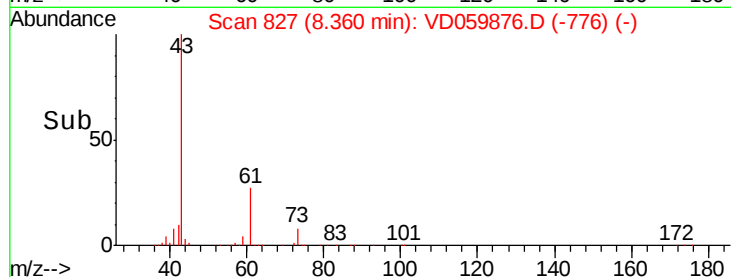
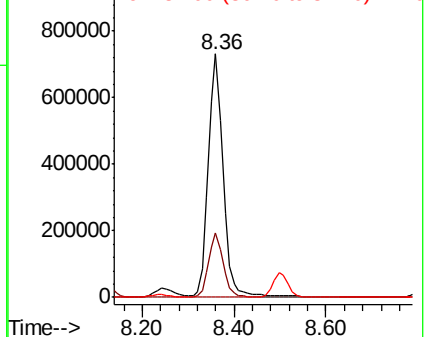
43 100

61 26.5 21.4 32.2

87 0.3 0.2 0.4



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



#44

Trichloroethene

Concen: 102.244 ug/l

RT: 7.75 min Scan# 765

Delta R.T. -0.00 min

Lab File: VD059876.D

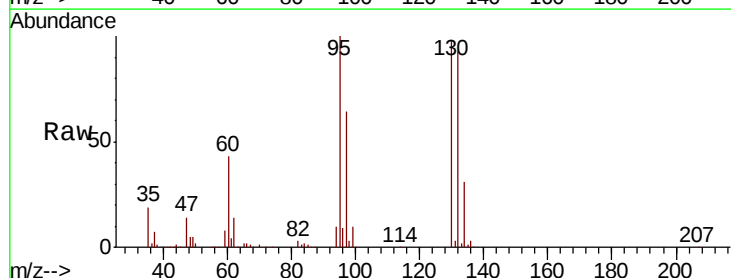
Acq: 22 Aug 2018 15:05

Tgt Ion: 130 Resp: 1186045

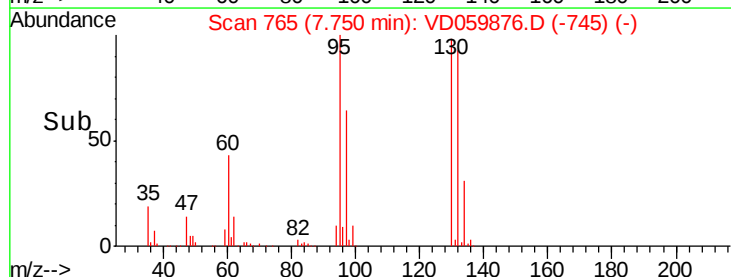
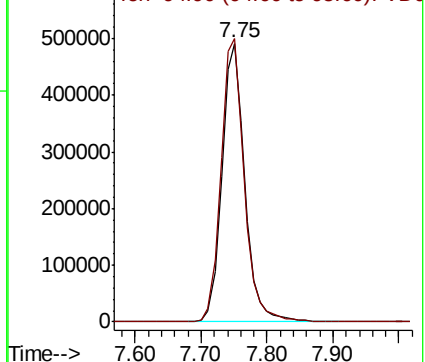
Ion Ratio Lower Upper

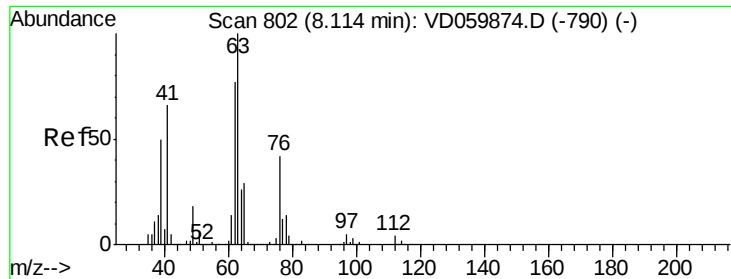
130 100

95 101.7 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: 98.986 ug/l

RT: 8.11 min Scan# 802

Delta R.T. -0.00 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

Instrument :

MSVOA_D

ClientSampleId :

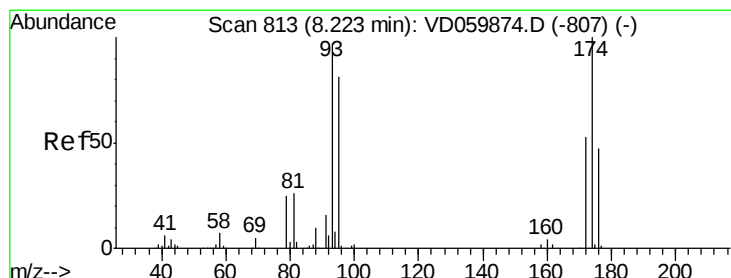
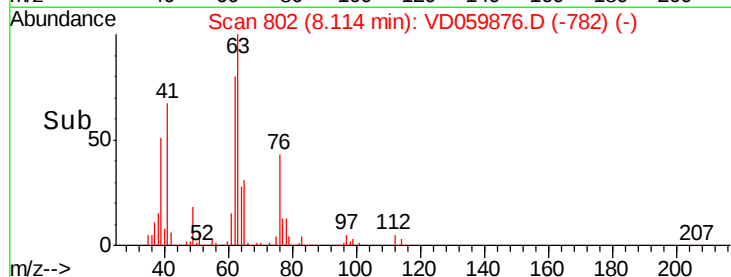
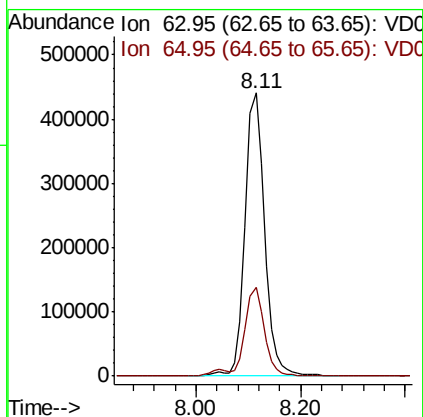
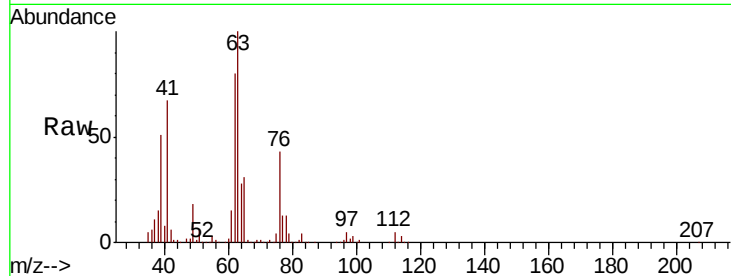
VSTDIC100

Tgt Ion: 63 Resp: 1106769

Ion Ratio Lower Upper

63 100

65 31.3 23.5 35.3



#46

Dibromomethane

Concen: 102.907 ug/l

RT: 8.22 min Scan# 813

Delta R.T. -0.00 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

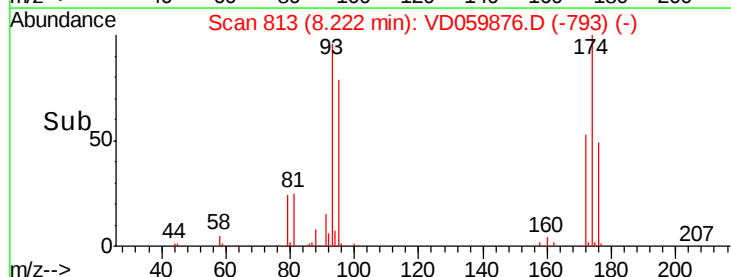
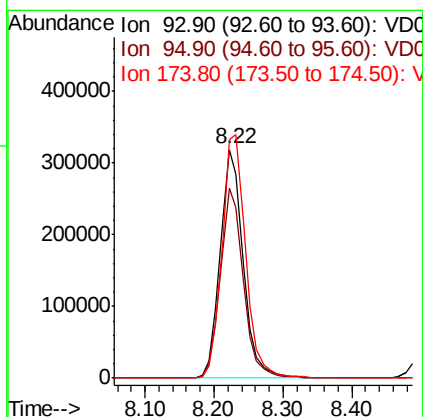
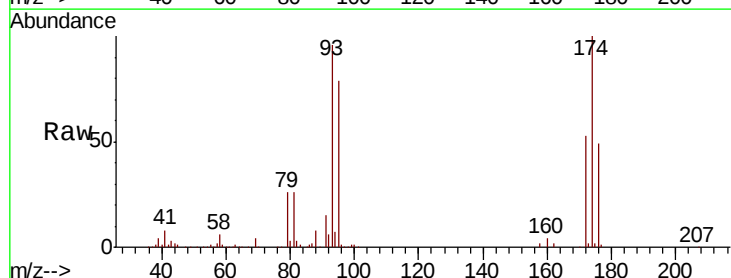
Tgt Ion: 93 Resp: 737426

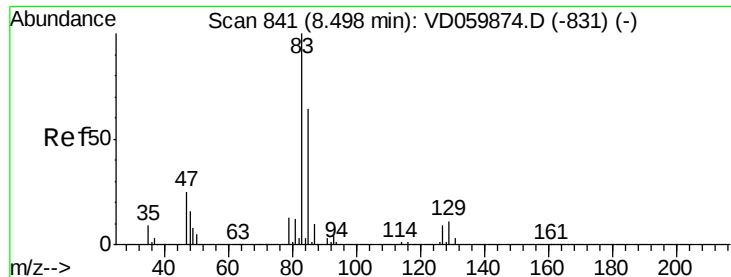
Ion Ratio Lower Upper

93 100

95 82.8 66.6 100.0

174 104.5 82.4 123.6





#47

Bromodichloromethane

Concen: 99.867 ug/l

RT: 8.50 min Scan# 841

Delta R.T. -0.00 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

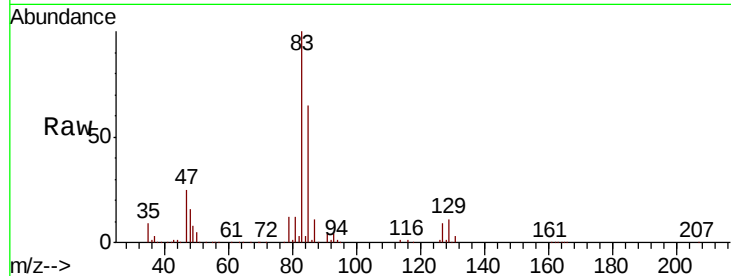
Tgt Ion: 83 Resp: 1617626

Ion Ratio Lower Upper

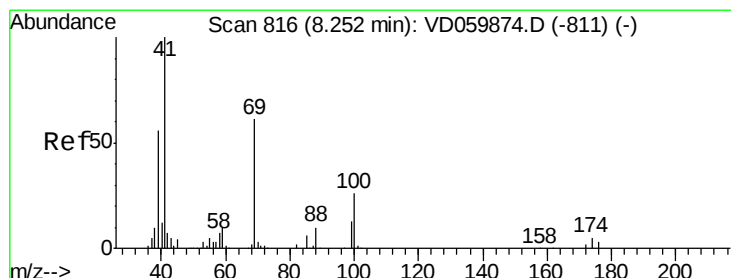
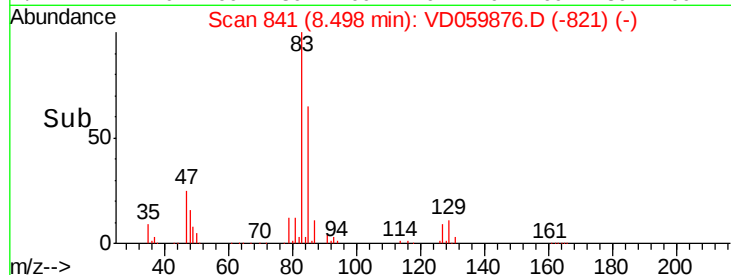
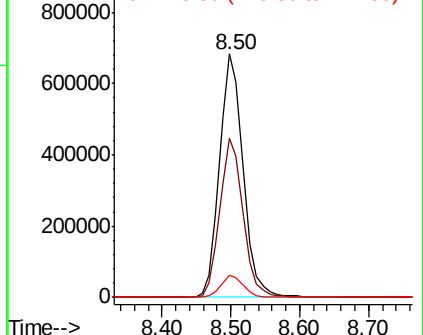
83 100

85 65.4 51.3 76.9

127 8.9 7.0 10.4



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



#48

Methyl methacrylate

Concen: 99.841 ug/l

RT: 8.25 min Scan# 816

Delta R.T. -0.00 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

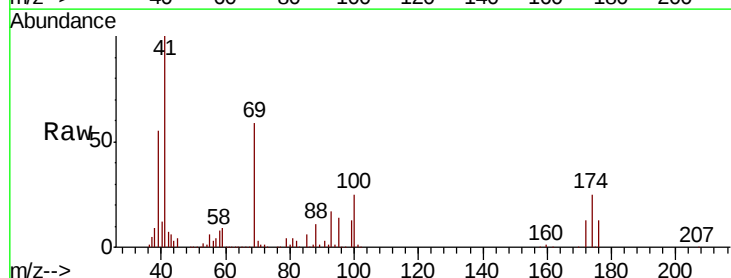
Tgt Ion: 41 Resp: 893040

Ion Ratio Lower Upper

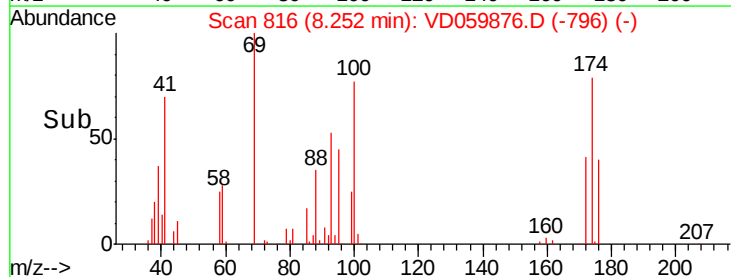
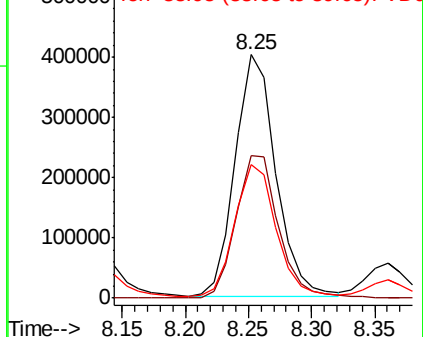
41 100

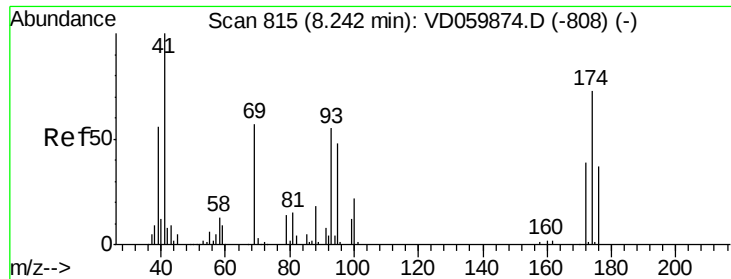
69 58.5 48.0 72.0

39 55.0 45.4 68.0



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





#49

1,4-Dioxane

Concen: 2070.213 ug/l

RT: 8.24 min Scan# 815

Delta R.T. -0.00 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

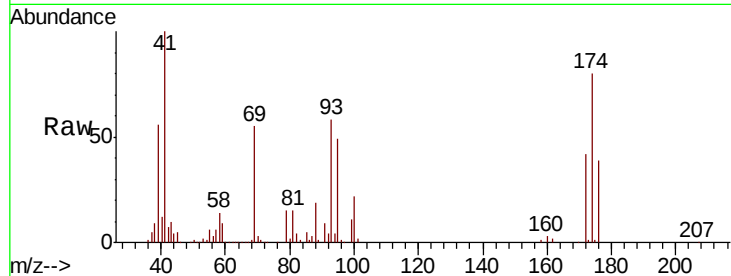
Tgt Ion: 88 Resp: 168850

Ion Ratio Lower Upper

88 100

43 50.4 45.0 67.6

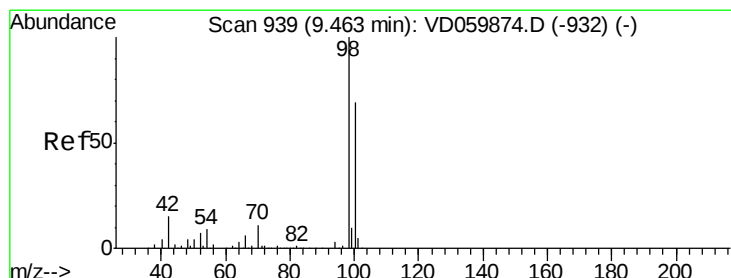
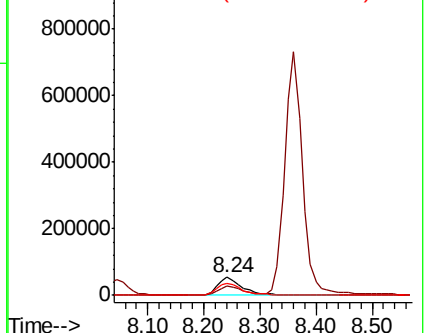
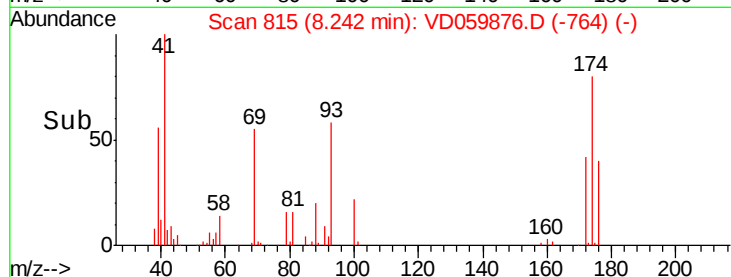
58 70.5 55.8 83.8



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: 2070.213 ug/l

RT: 9.46 min Scan# 939

Delta R.T. -0.00 min

Lab File: VD059876.D

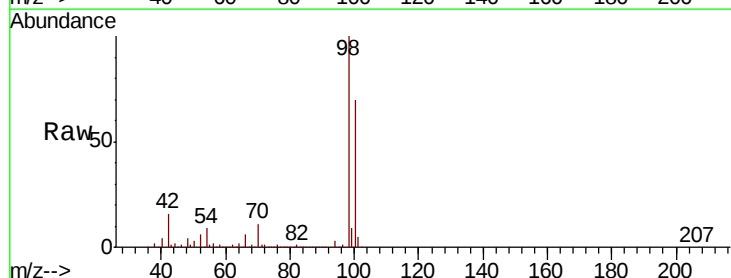
Acq: 22 Aug 2018 15:05

Tgt Ion: 98 Resp: 3573767

Ion Ratio Lower Upper

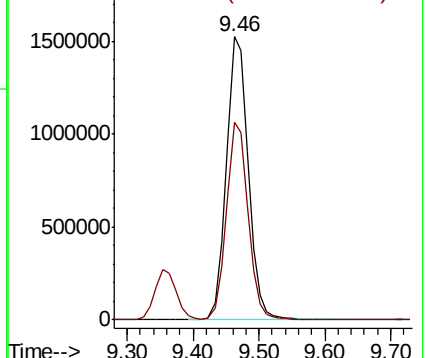
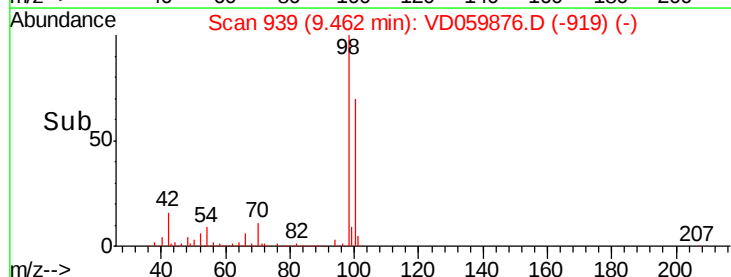
98 100

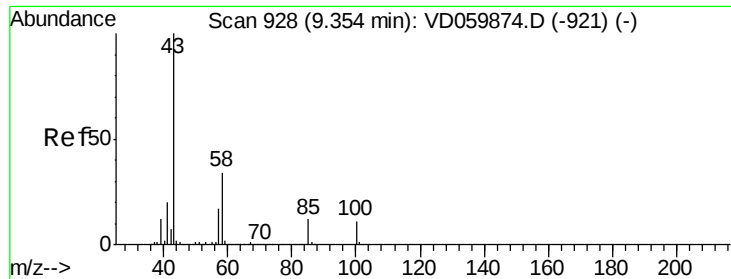
100 69.7 55.8 83.6



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: 533.162 ug/l

RT: 9.35 min Scan# 928

Delta R.T. -0.00 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

Instrument :

MSVOA_D

ClientSampleId :

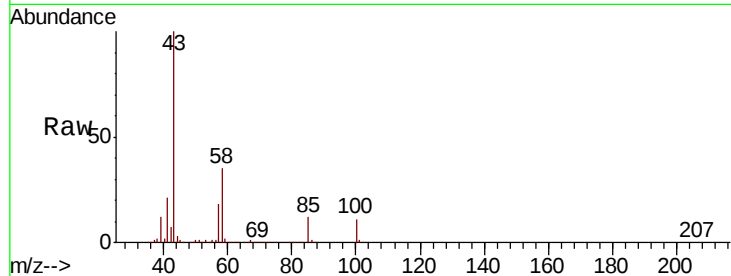
VSTDIC100

Tgt Ion: 43 Resp: 5887902

Ion Ratio Lower Upper

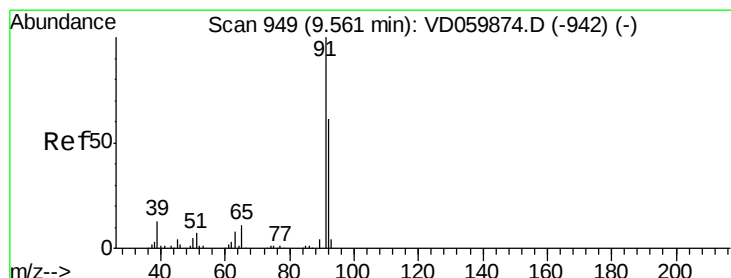
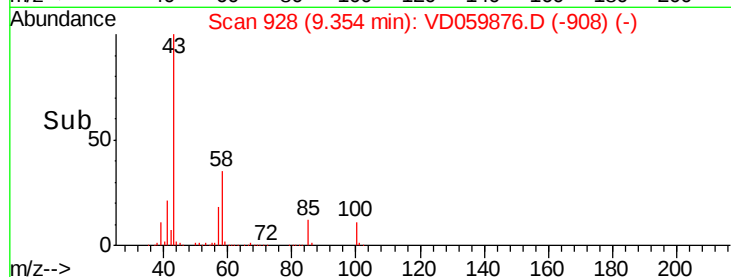
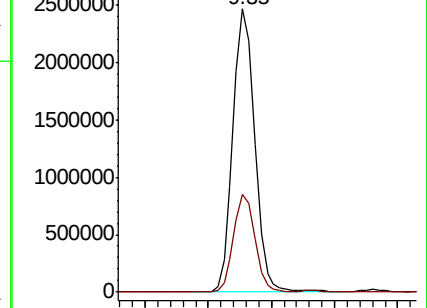
43 100

58 34.7 27.0 40.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 100.542 ug/l

RT: 9.56 min Scan# 949

Delta R.T. -0.00 min

Lab File: VD059876.D

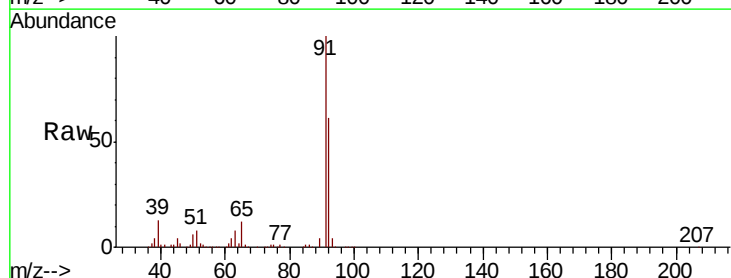
Acq: 22 Aug 2018 15:05

Tgt Ion: 92 Resp: 2554746

Ion Ratio Lower Upper

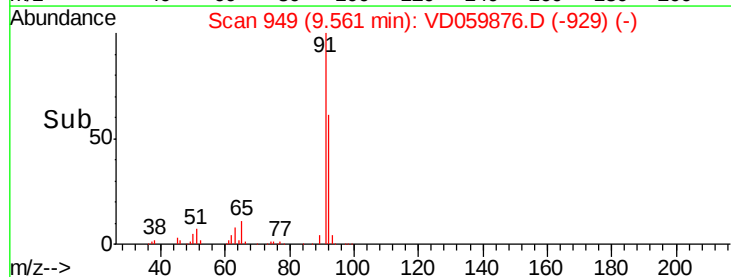
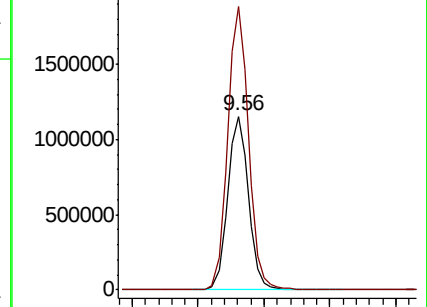
92 100

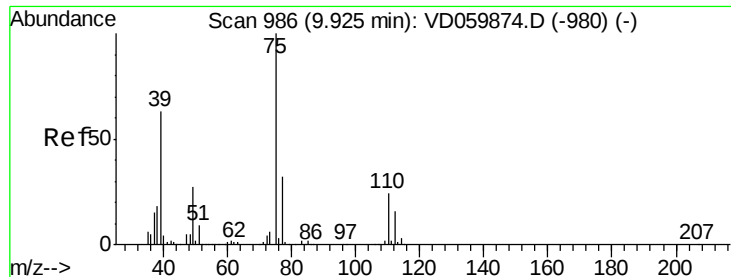
91 163.0 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 100.081 ug/l

RT: 9.92 min Scan# 986

Delta R.T. -0.00 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

Instrument :

MSVOA_D

ClientSampleId :

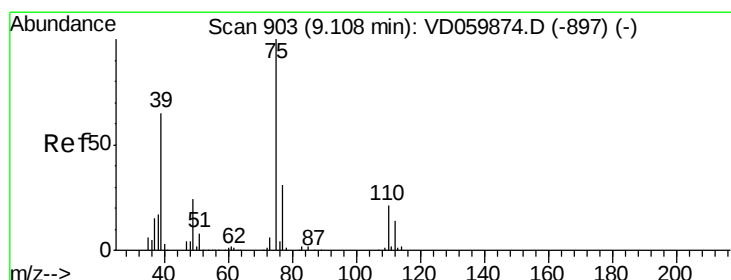
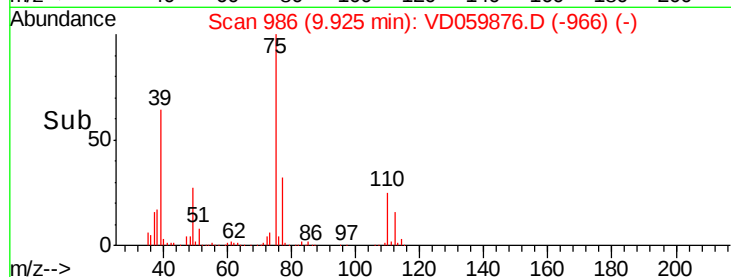
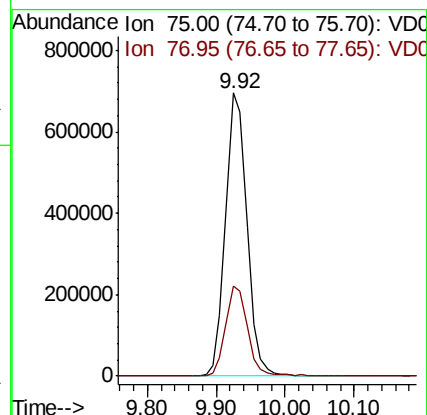
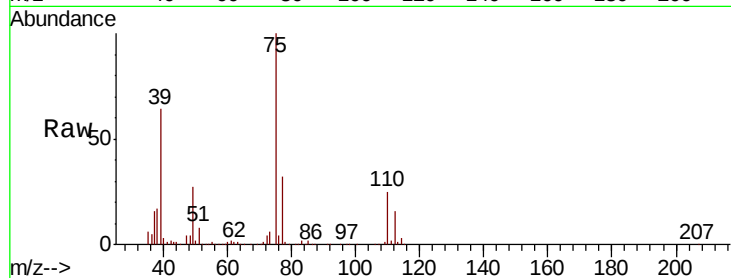
VSTDIC100

Tgt Ion: 75 Resp: 1504518

Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 99.894 ug/l

RT: 9.11 min Scan# 903

Delta R.T. -0.00 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

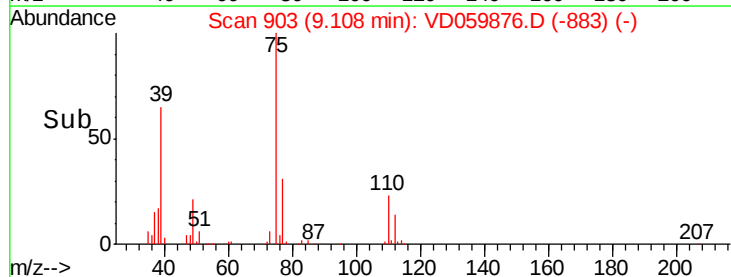
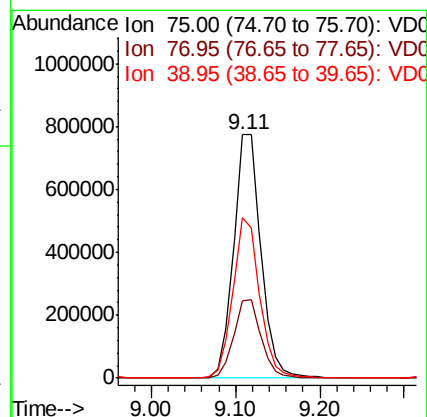
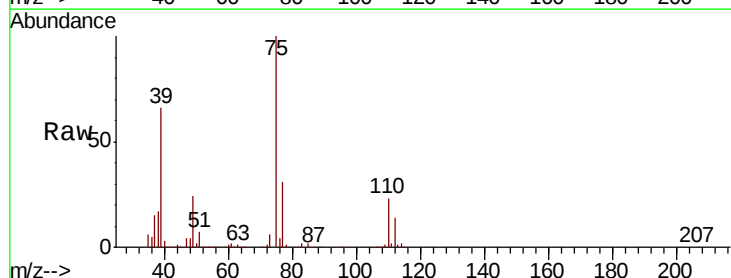
Tgt Ion: 75 Resp: 1747822

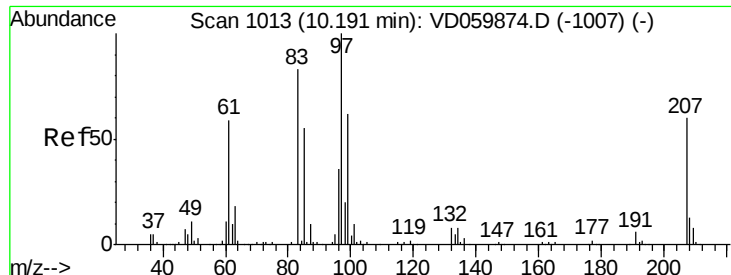
Ion Ratio Lower Upper

75 100

77 31.5 24.8 37.2

39 65.8 52.1 78.1

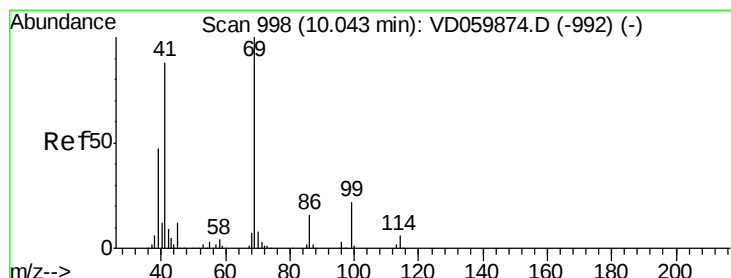
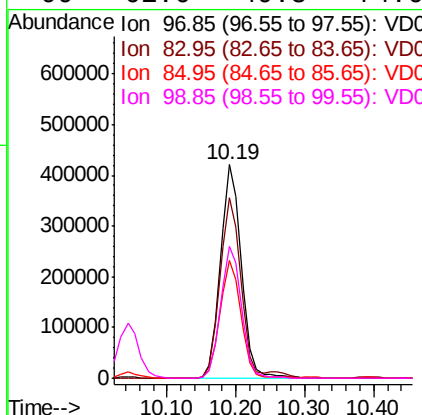
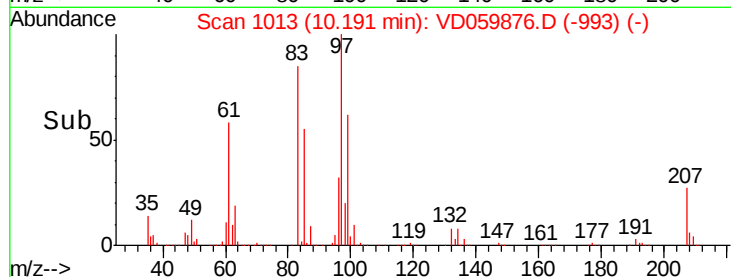
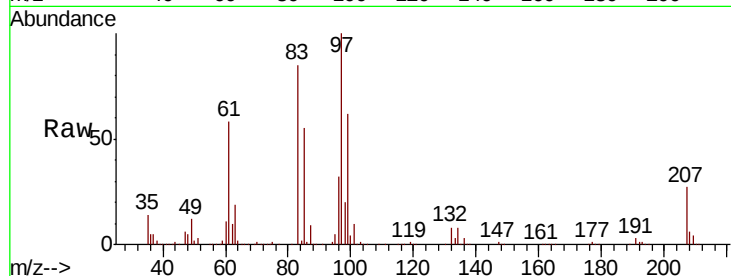




#55
 1,1,2-Trichloroethane
 Concen: 95.674 ug/l
 RT: 10.19 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VD059876.D
 Acq: 22 Aug 2018 15:05

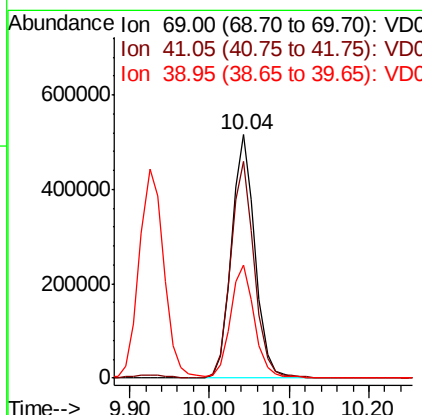
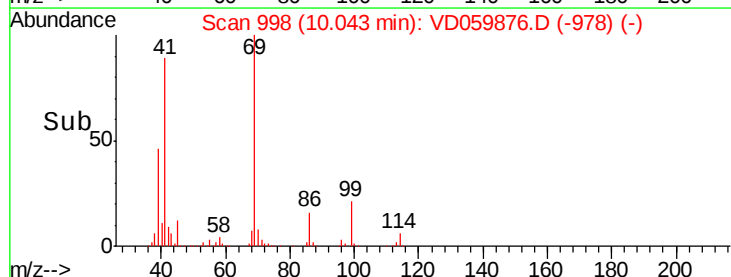
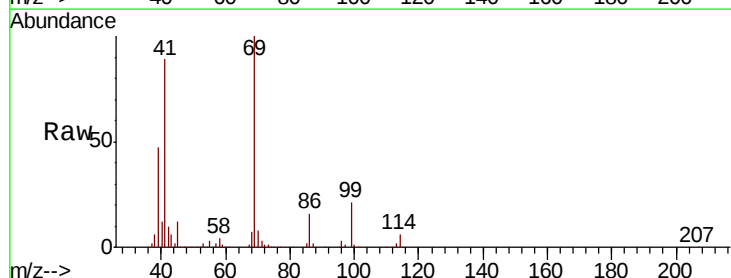
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

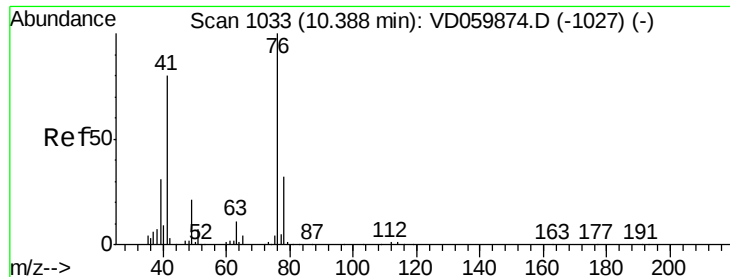
Tgt Ion: 97 Resp: 885544
 Ion Ratio Lower Upper
 97 100
 83 84.5 66.7 100.1
 85 55.0 43.8 65.6
 99 61.6 49.8 74.6



#56
 Ethyl methacrylate
 Concen: 96.157 ug/l
 RT: 10.04 min Scan# 998
 Delta R.T. -0.00 min
 Lab File: VD059876.D
 Acq: 22 Aug 2018 15:05

Tgt Ion: 69 Resp: 1058825
 Ion Ratio Lower Upper
 69 100
 41 88.9 71.0 106.4
 39 46.5 38.5 57.7

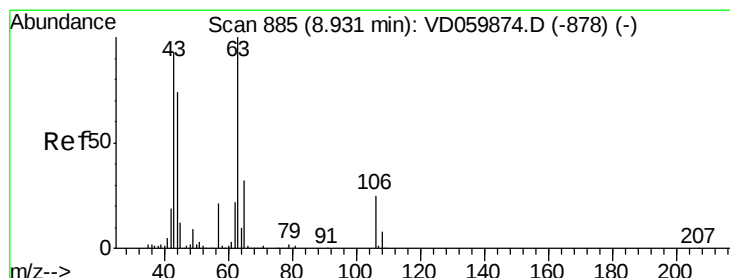
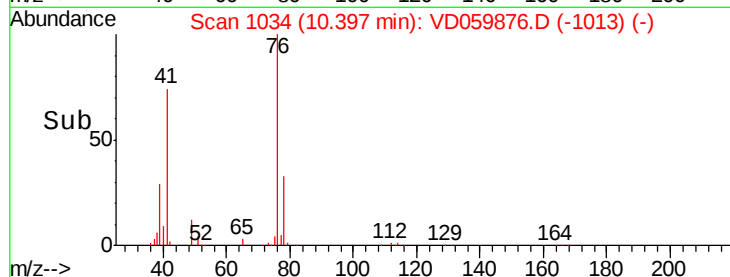
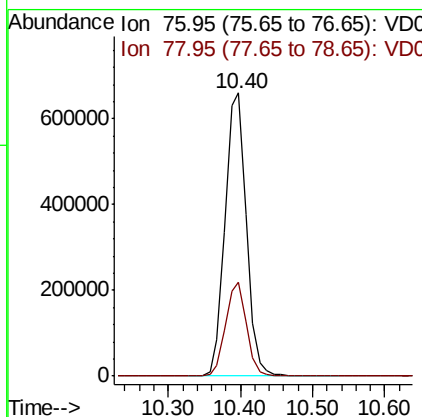
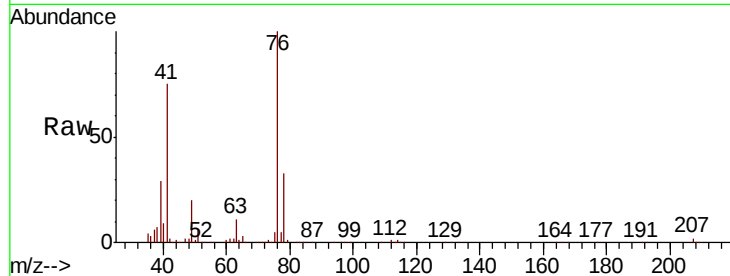




#57
 1,3-Dichloropropane
 Concen: 99.587 ug/l
 RT: 10.40 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: VD059876.D
 Acq: 22 Aug 2018 15:05

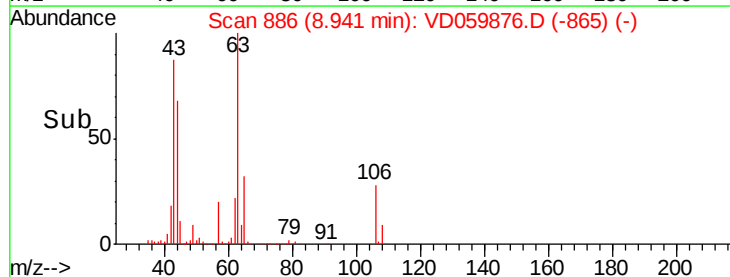
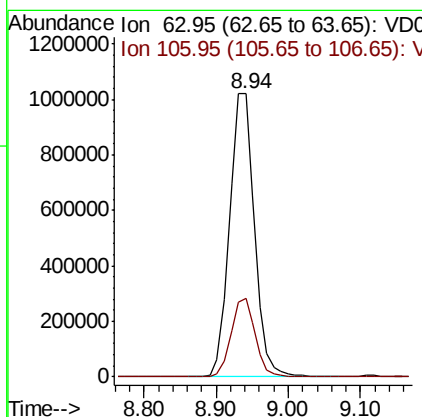
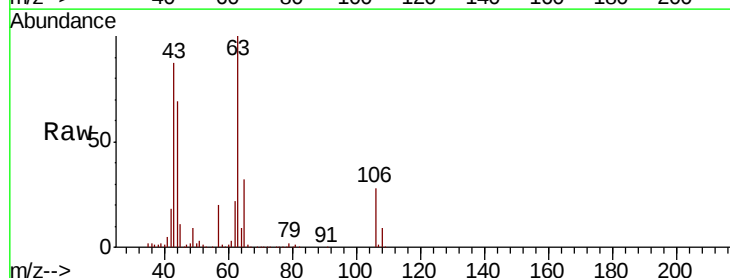
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

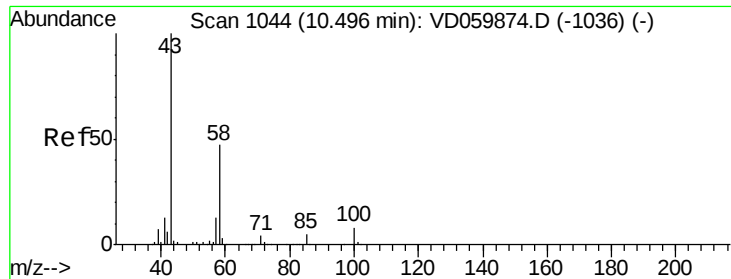
Tgt Ion: 76 Resp: 1349866
 Ion Ratio Lower Upper
 76 100
 78 33.0 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 468.852 ug/l
 RT: 8.94 min Scan# 886
 Delta R.T. 0.01 min
 Lab File: VD059876.D
 Acq: 22 Aug 2018 15:05

Tgt Ion: 63 Resp: 2460237
 Ion Ratio Lower Upper
 63 100
 106 27.9 20.1 30.1

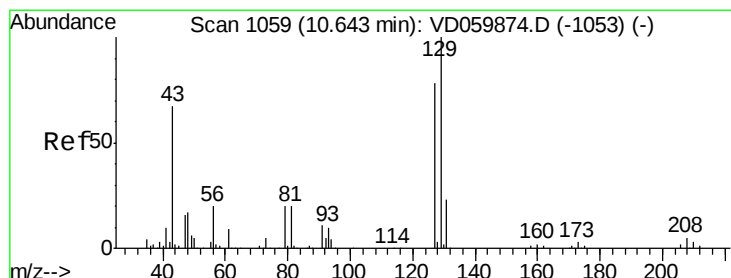
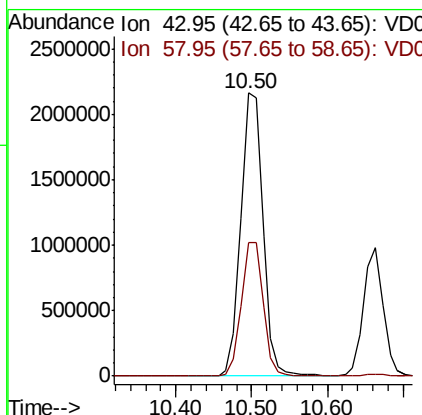
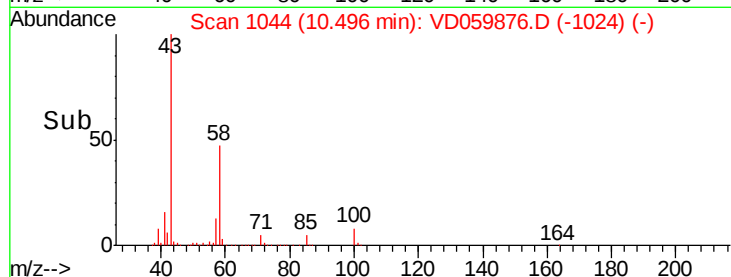
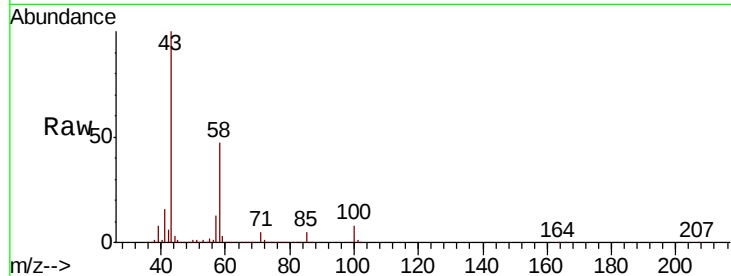




#59
2-Hexanone
Concen: 543.434 ug/l
RT: 10.50 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VD059876.D
Acq: 22 Aug 2018 15:05

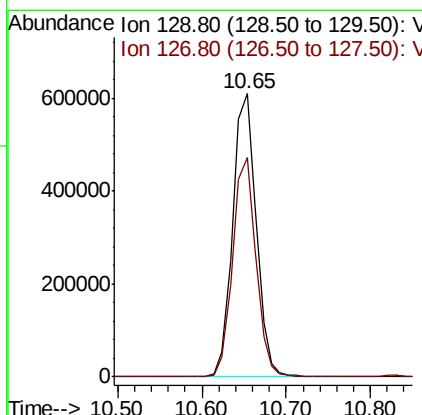
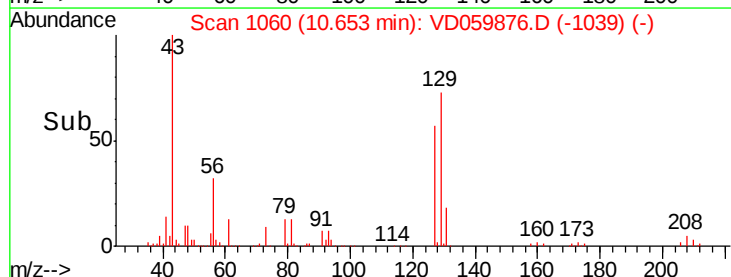
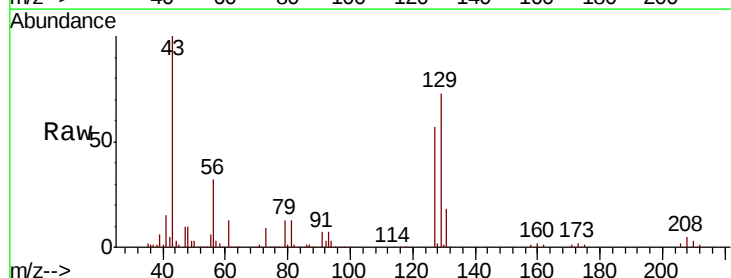
Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

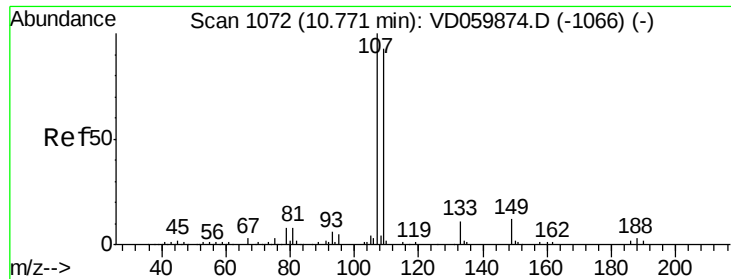
Tgt Ion: 43 Resp: 4352096
Ion Ratio Lower Upper
43 100
58 47.3 23.3 69.8



#60
Dibromochloromethane
Concen: 100.475 ug/l
RT: 10.65 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD059876.D
Acq: 22 Aug 2018 15:05

Tgt Ion: 129 Resp: 1184338
Ion Ratio Lower Upper
129 100
127 77.7 39.1 117.2





#61

1,2-Dibromoethane

Concen: 102.270 ug/l

RT: 10.77 min Scan# 1072

Delta R.T. -0.00 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

Instrument :

MSVOA_D

ClientSampleId :

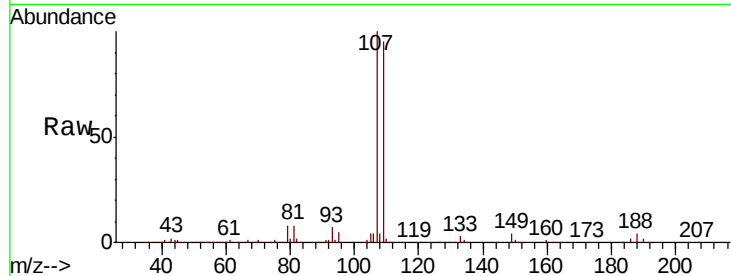
VSTDIC100

Tgt Ion:107 Resp: 976162

Ion Ratio Lower Upper

107 100

109 95.0 74.6 112.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.77

600000

500000

400000

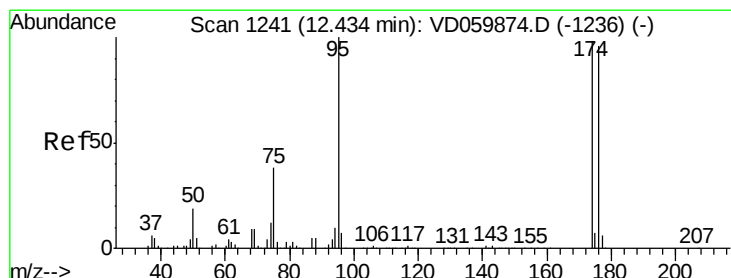
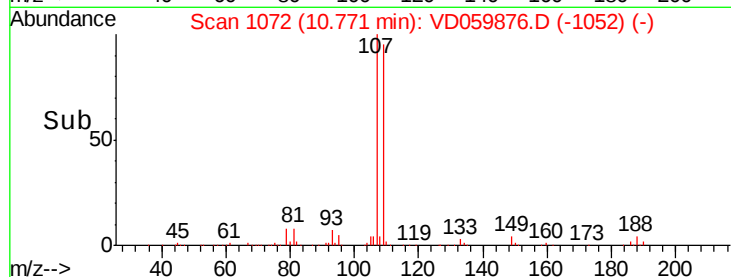
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 102.270 ug/l

RT: 12.43 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

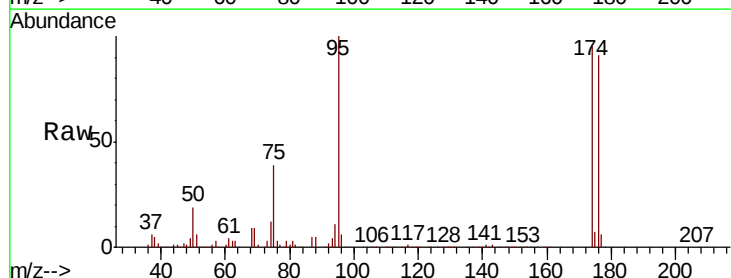
Tgt Ion: 95 Resp: 1348124

Ion Ratio Lower Upper

95 100

174 94.6 0.0 195.6

176 91.2 0.0 191.2



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

12.43

1200000

1000000

800000

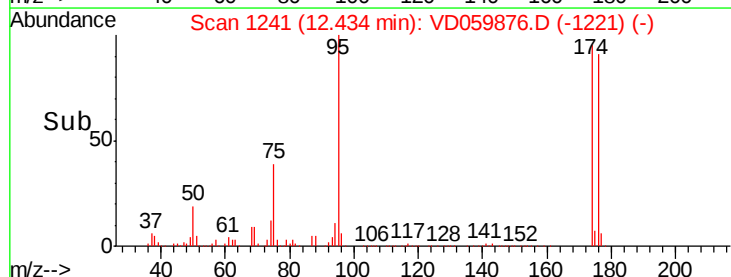
600000

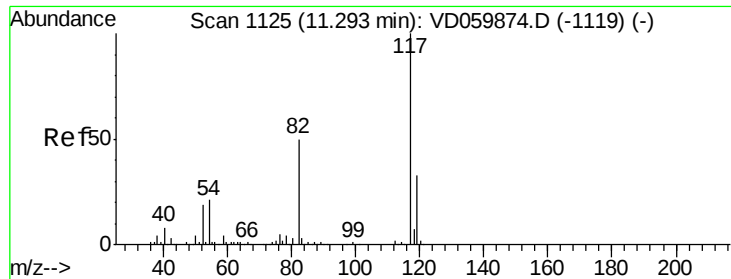
400000

200000

0

Time-->

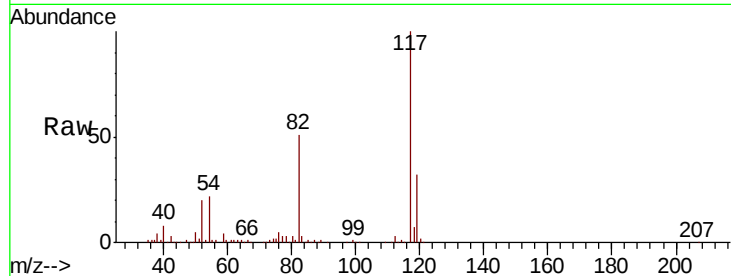




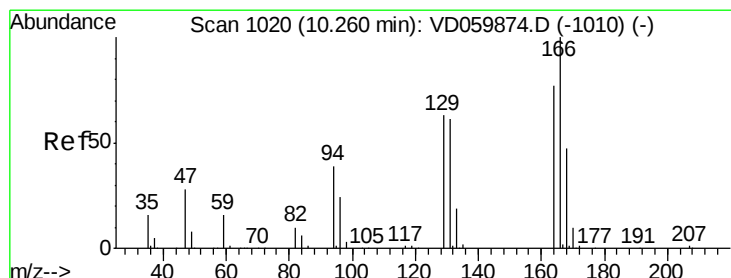
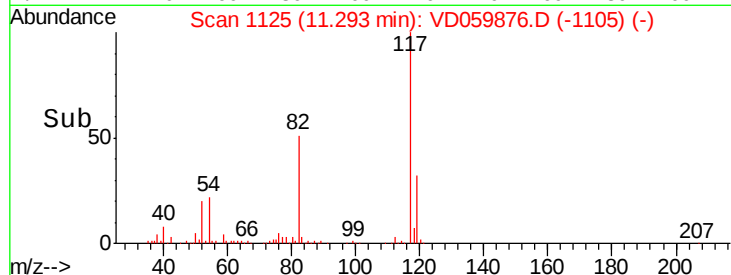
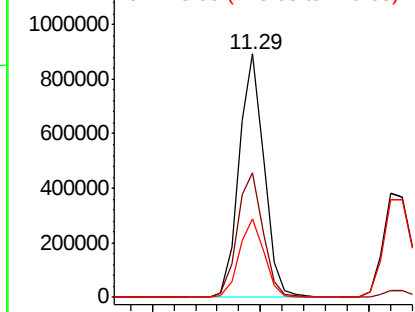
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 1125
Delta R.T. -0.00 min
Lab File: VD059876.D
Acq: 22 Aug 2018 15:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion:117 Resp: 1432027
Ion Ratio Lower Upper
117 100
82 51.2 40.1 60.1
119 32.1 26.7 40.1

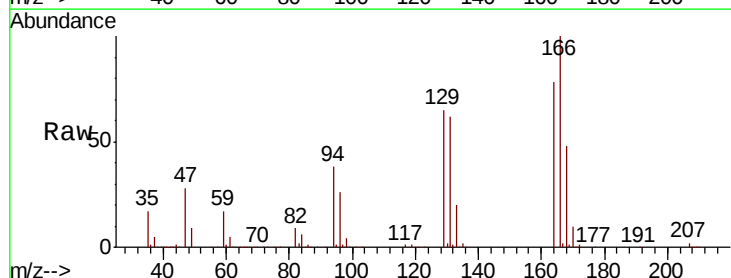


Abundance Ion 116.95 (116.65 to 117.65): V
1200000 Ion 82.05 (81.75 to 82.75): V
1000000 Ion 118.95 (118.65 to 119.65): V

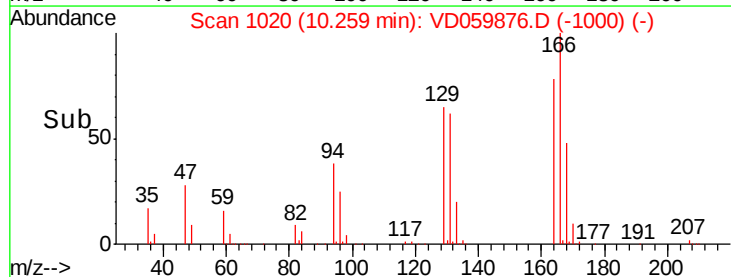
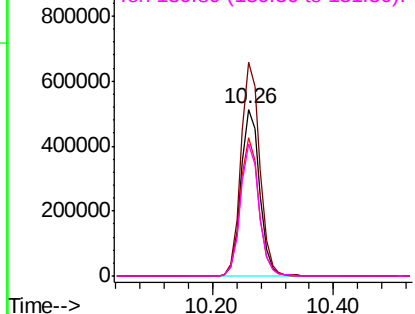


#64
Tetrachloroethene
Concen: 101.135 ug/l
RT: 10.26 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD059876.D
Acq: 22 Aug 2018 15:05

Tgt Ion:164 Resp: 1106677
Ion Ratio Lower Upper
164 100
166 128.3 103.4 155.2
129 82.8 65.2 97.8
131 79.4 63.1 94.7



Abundance Ion 163.85 (163.55 to 164.55): V
1000000 Ion 165.85 (165.55 to 166.55): V
800000 Ion 128.80 (128.50 to 129.50): V
600000 Ion 130.80 (130.50 to 131.50): V

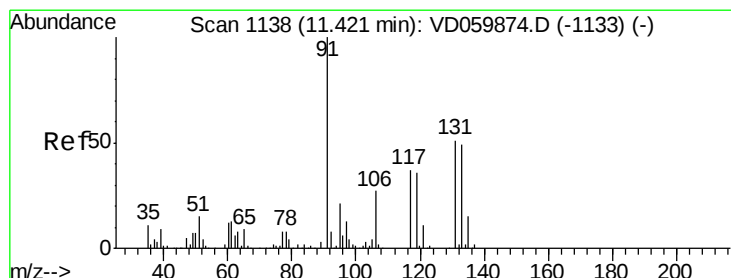
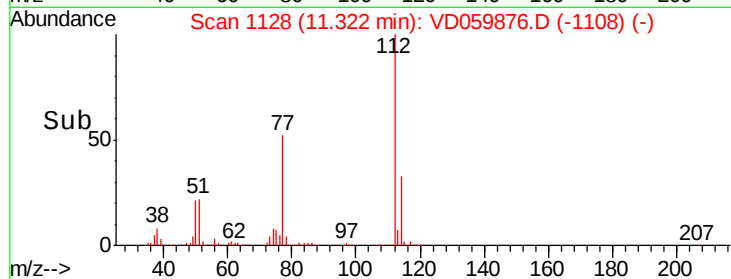
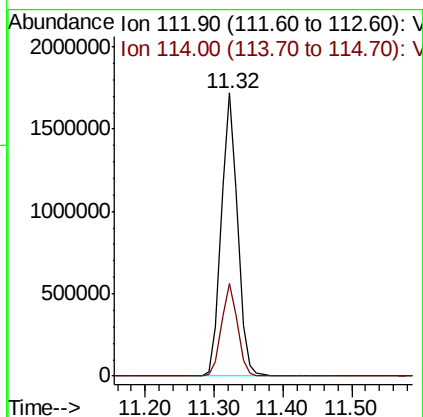
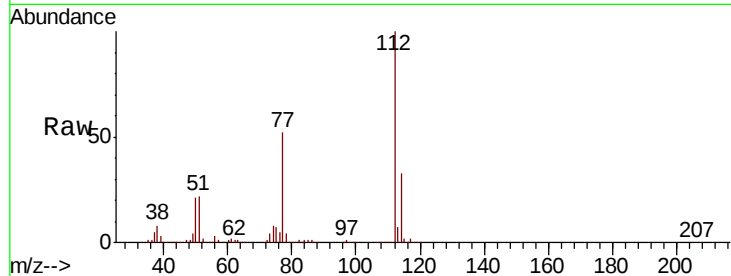




#65
Chlorobenzene
Concen: 100.064 ug/l
RT: 11.32 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD059876.D
Acq: 22 Aug 2018 15:05

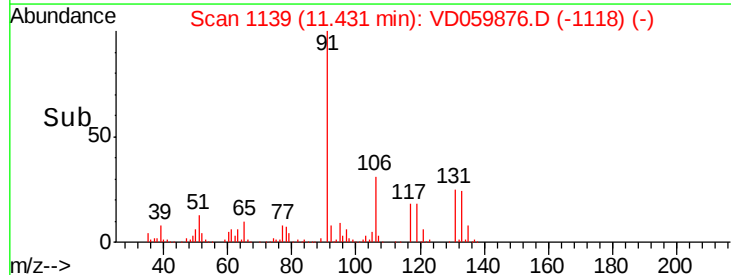
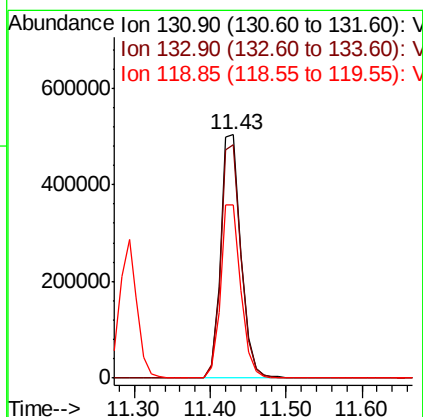
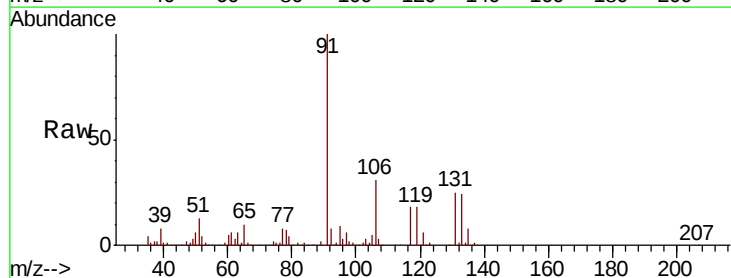
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

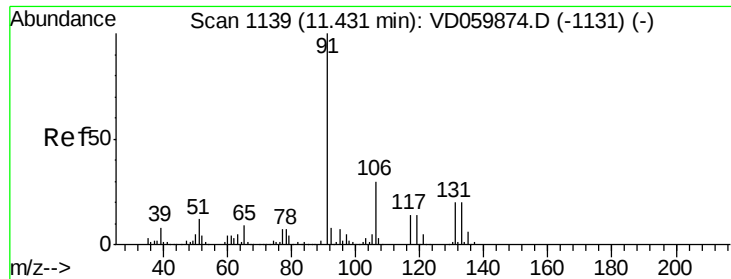
Tgt Ion:112 Resp: 2810622
Ion Ratio Lower Upper
112 100
114 32.9 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 92.462 ug/l
RT: 11.43 min Scan# 1139
Delta R.T. 0.01 min
Lab File: VD059876.D
Acq: 22 Aug 2018 15:05

Tgt Ion:131 Resp: 940044
Ion Ratio Lower Upper
131 100
133 95.6 48.3 144.8
119 71.0 35.4 106.3

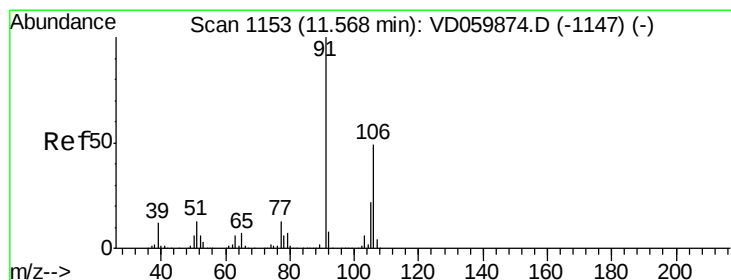
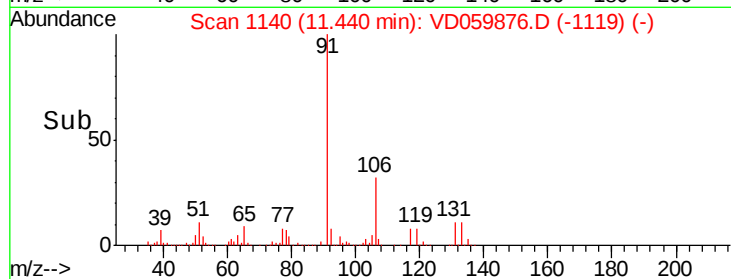
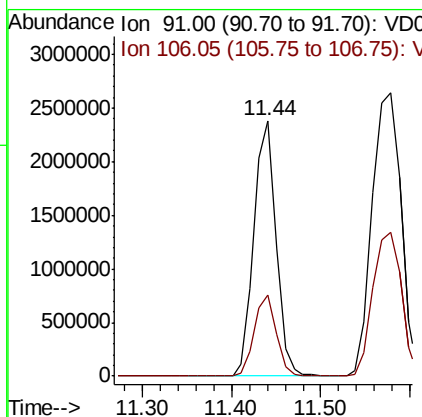
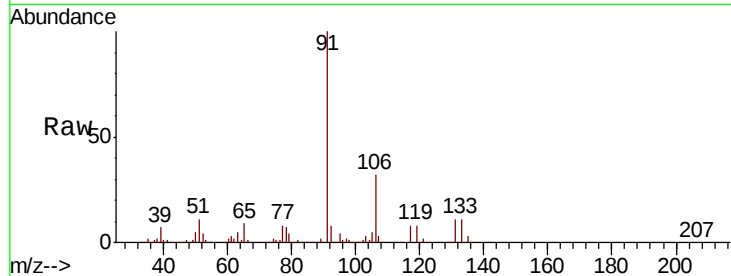




#67
Ethyl Benzene
Concen: 88.805 ug/l
RT: 11.44 min Scan# 1140
Delta R.T. 0.01 min
Lab File: VD059876.D
Acq: 22 Aug 2018 15:05

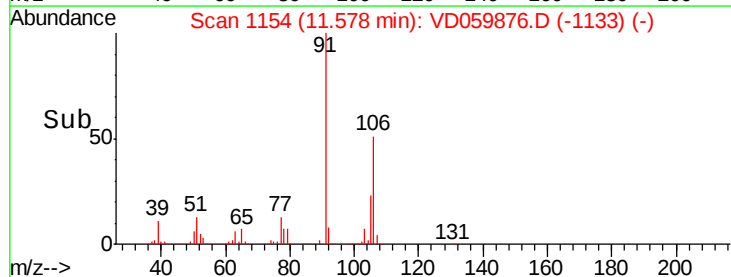
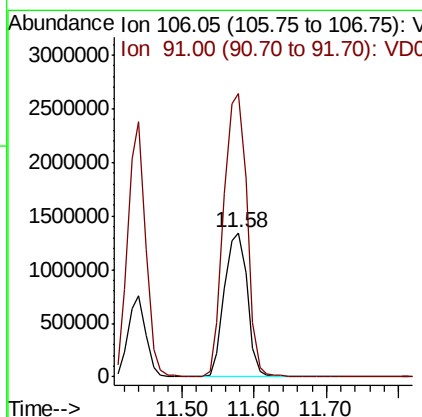
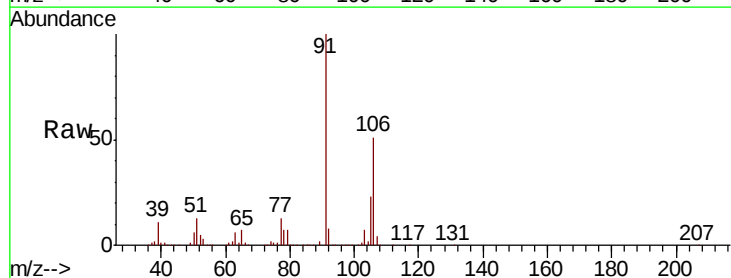
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

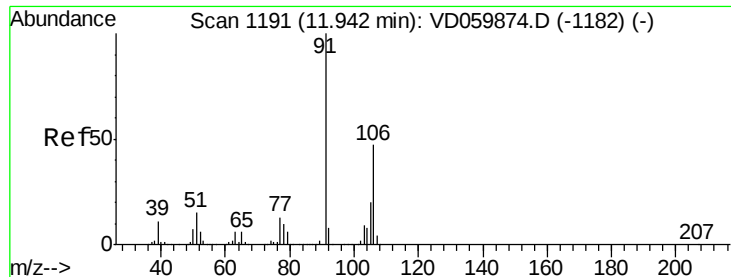
Tgt Ion: 91 Resp: 4076479
Ion Ratio Lower Upper
91 100
106 32.0 23.8 35.8



#68
m/p-Xylenes
Concen: 178.299 ug/l
RT: 11.58 min Scan# 1154
Delta R.T. 0.01 min
Lab File: VD059876.D
Acq: 22 Aug 2018 15:05

Tgt Ion: 106 Resp: 2953963
Ion Ratio Lower Upper
106 100
91 196.0 162.0 243.0

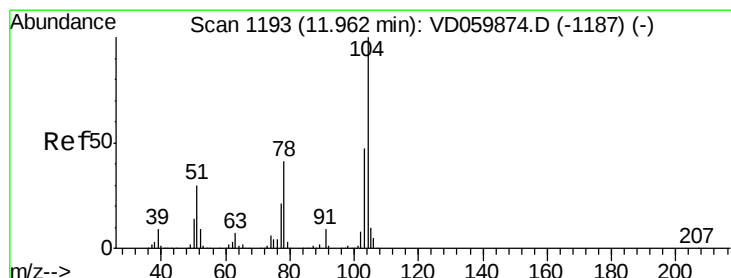
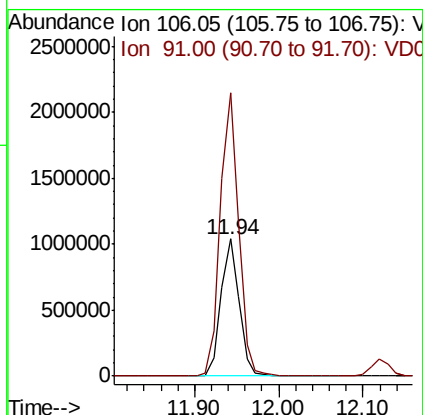
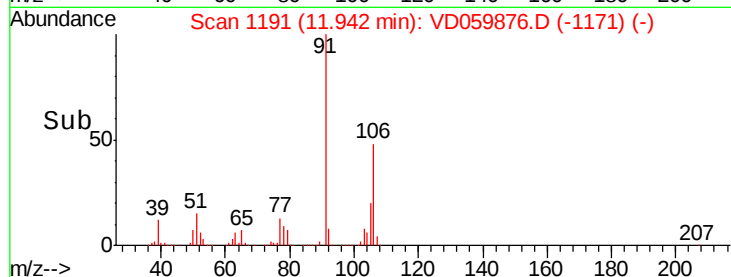
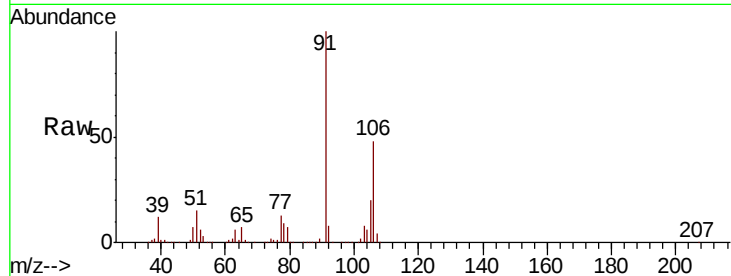




#69
o-Xylene
Concen: 95.724 ug/l
RT: 11.94 min Scan# 1191
Delta R.T. -0.00 min
Lab File: VD059876.D
Acq: 22 Aug 2018 15:05

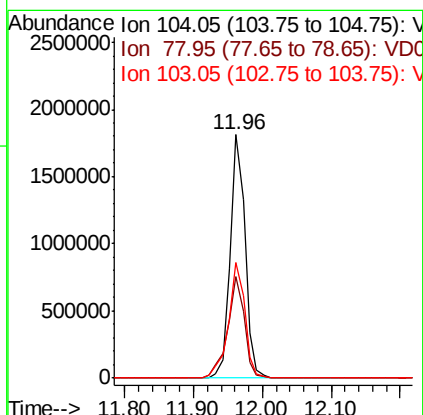
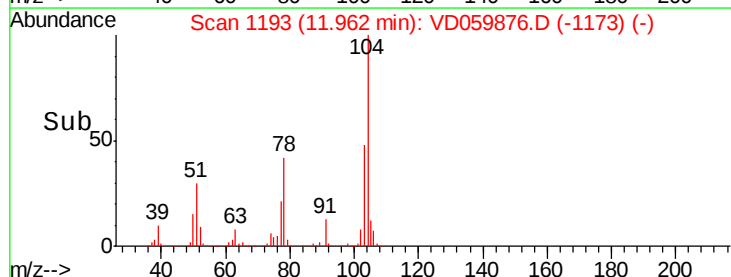
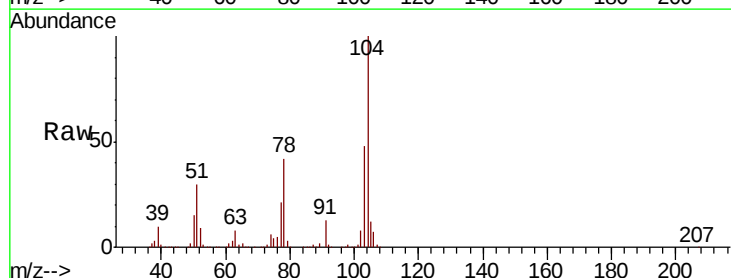
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion:106 Resp: 1556815
Ion Ratio Lower Upper
106 100
91 206.8 107.3 322.0



#70
Styrene
Concen: 95.610 ug/l
RT: 11.96 min Scan# 1193
Delta R.T. -0.00 min
Lab File: VD059876.D
Acq: 22 Aug 2018 15:05

Tgt Ion:104 Resp: 2701028
Ion Ratio Lower Upper
104 100
78 41.7 32.6 49.0
103 47.6 37.7 56.5





#71

Bromoform

Concen: 103.917 ug/l

RT: 12.12 min Scan# 1209

Delta R.T. -0.00 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

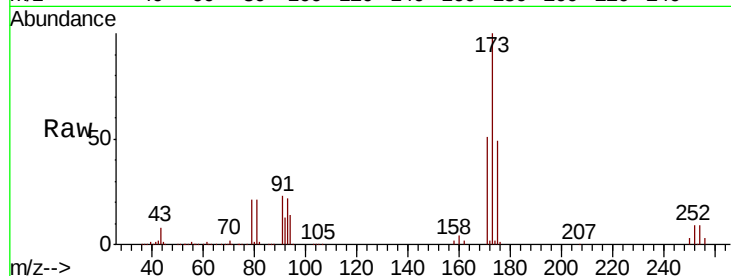
Tgt Ion:173 Resp: 937630

Ion Ratio Lower Upper

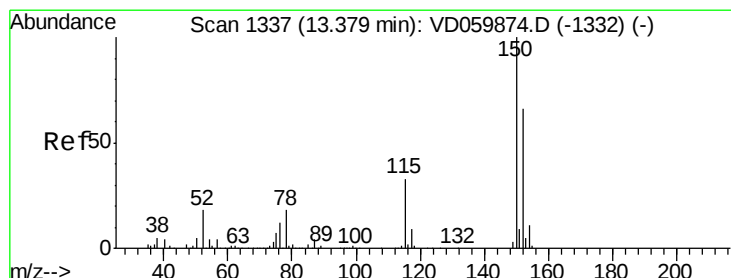
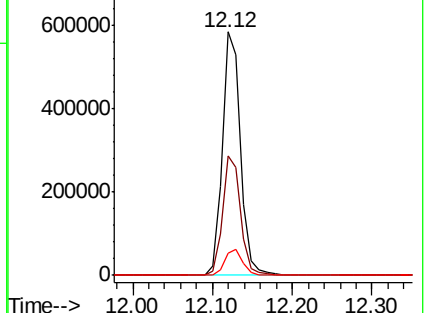
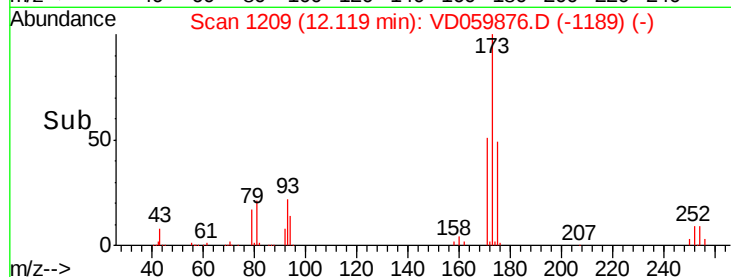
173 100

175 48.9 24.3 73.0

254 8.9 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: 50.000 ug/l

RT: 13.38 min Scan# 1337

Delta R.T. -0.00 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

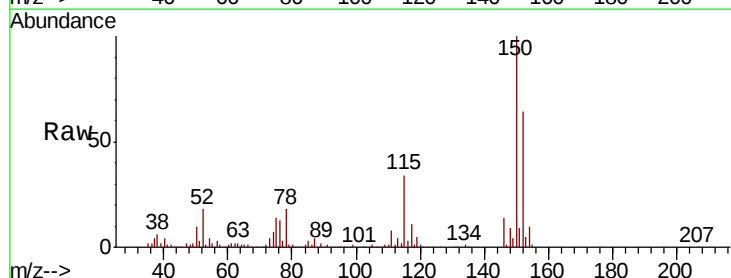
Tgt Ion:152 Resp: 729455

Ion Ratio Lower Upper

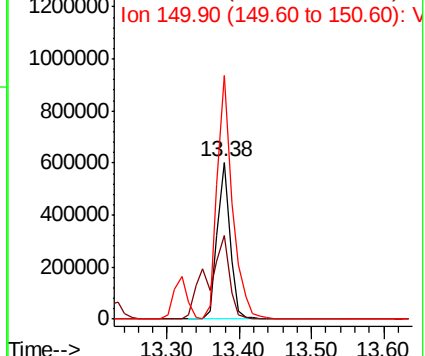
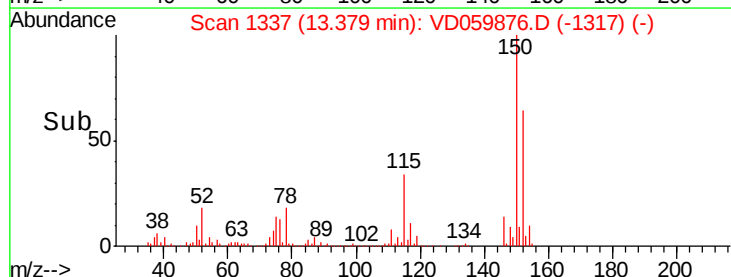
152 100

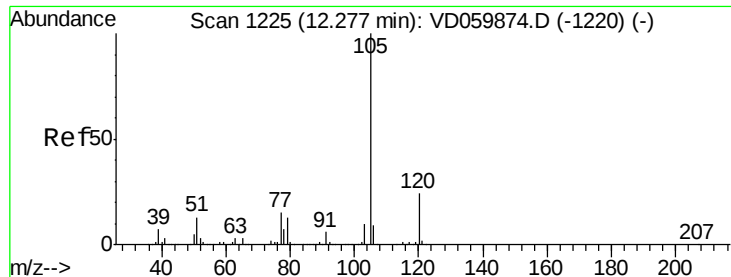
115 52.9 25.7 77.0

150 155.1 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: 94.191 ug/l

RT: 12.29 min Scan# 1226

Delta R.T. 0.01 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

Instrument :

MSVOA_D

ClientSampleId :

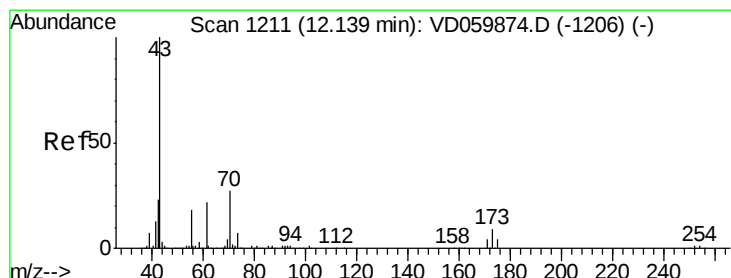
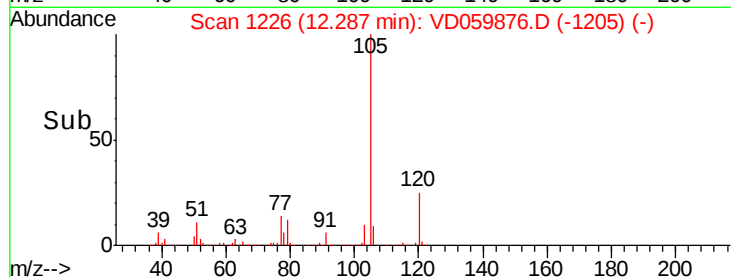
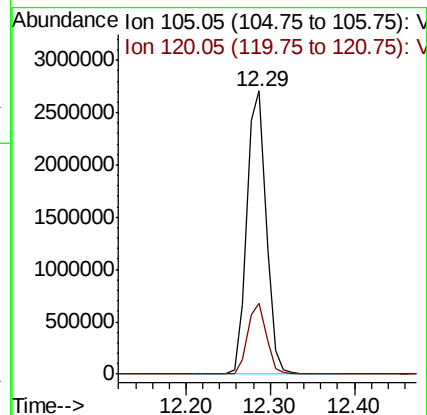
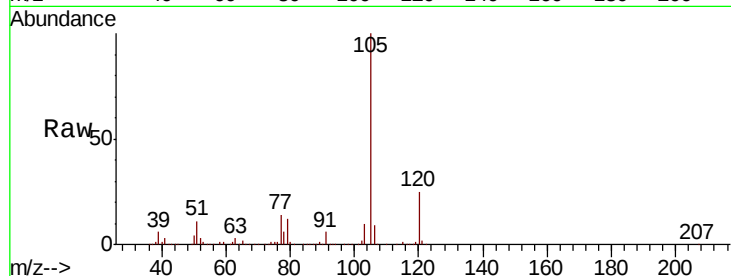
VSTDIC100

Tgt Ion:105 Resp: 4332572

Ion Ratio Lower Upper

105 100

120 24.9 11.8 35.4



#74

N-ethyl acetate

Concen: 98.662 ug/l

RT: 12.14 min Scan# 1211

Delta R.T. -0.00 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

Tgt Ion: 43 Resp: 2027784

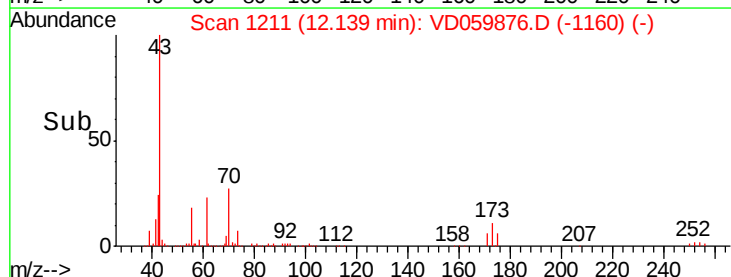
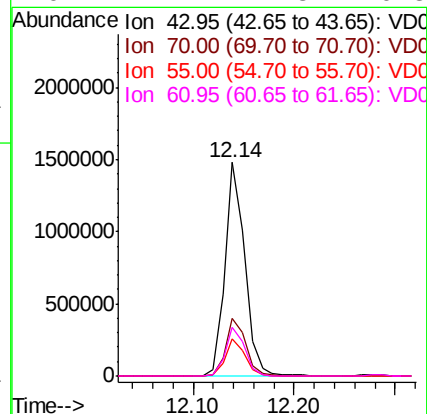
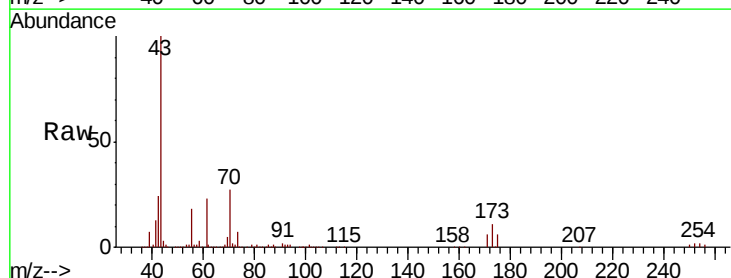
Ion Ratio Lower Upper

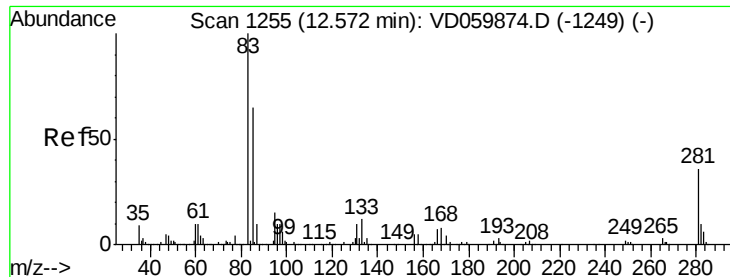
43 100

70 27.1 21.4 32.2

55 17.7 14.1 21.1

61 22.7 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 99.337 ug/l

RT: 12.57 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

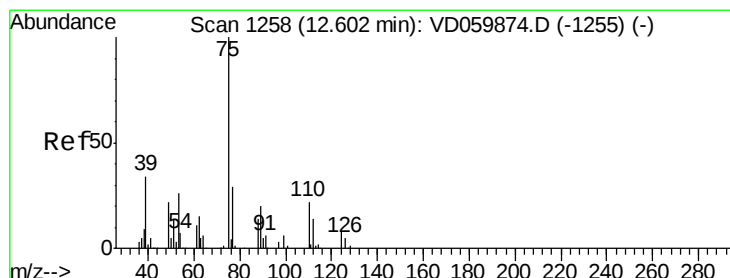
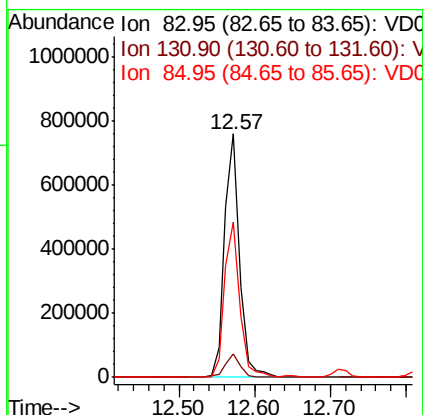
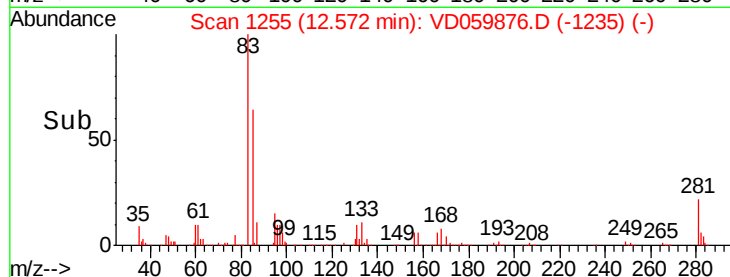
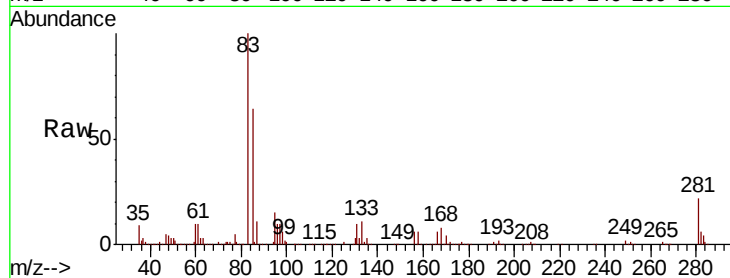
Tgt Ion: 83 Resp: 1050368

Ion Ratio Lower Upper

83 100

131 9.6 4.8 14.4

85 63.9 32.6 97.8



#76

1,2,3-Trichloropropane

Concen: 97.023 ug/l

RT: 12.60 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VD059876.D

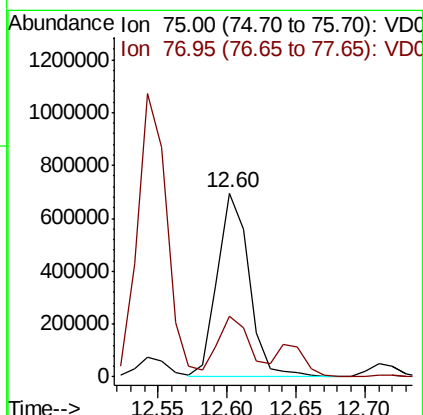
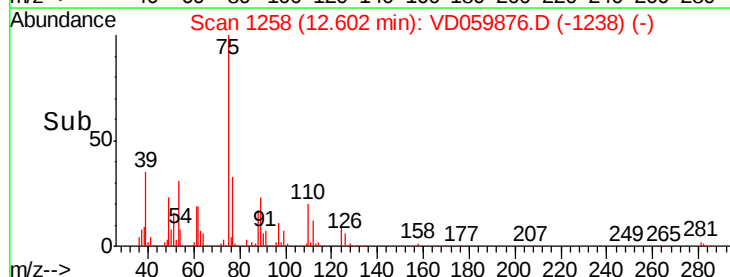
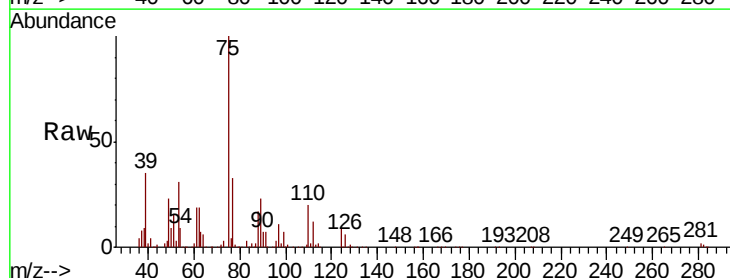
Acq: 22 Aug 2018 15:05

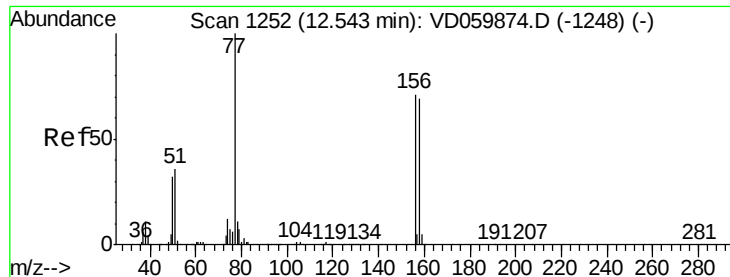
Tgt Ion: 75 Resp: 1104572

Ion Ratio Lower Upper

75 100

77 32.7 16.4 49.2





#77

Bromobenzene

Concen: 99.030 ug/l

RT: 12.55 min Scan# 1253

Delta R.T. 0.01 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

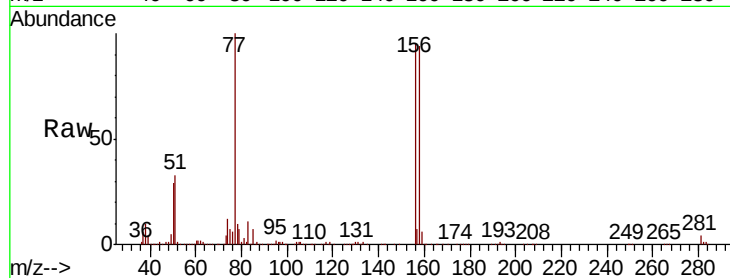
Tgt Ion:156 Resp: 1264837

Ion Ratio Lower Upper

156 100

77 105.6 70.2 210.4

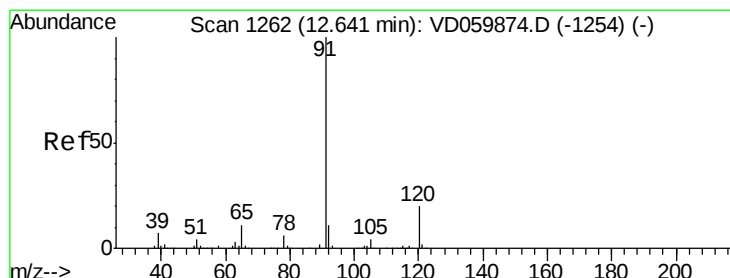
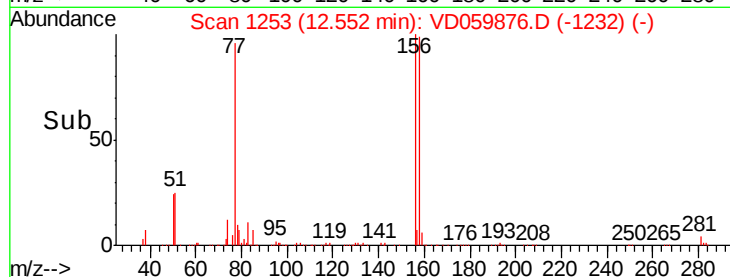
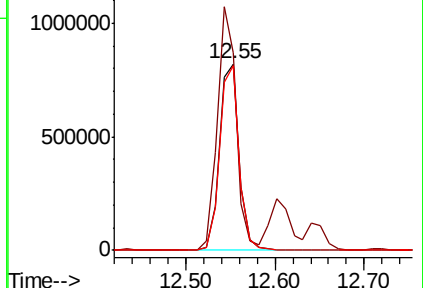
158 99.3 48.4 145.2



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: 88.974 ug/l

RT: 12.64 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VD059876.D

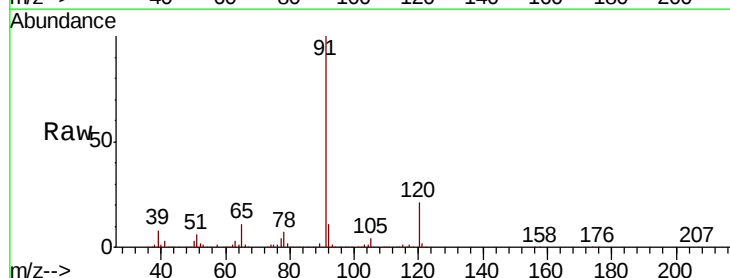
Acq: 22 Aug 2018 15:05

Tgt Ion: 91 Resp: 5085970

Ion Ratio Lower Upper

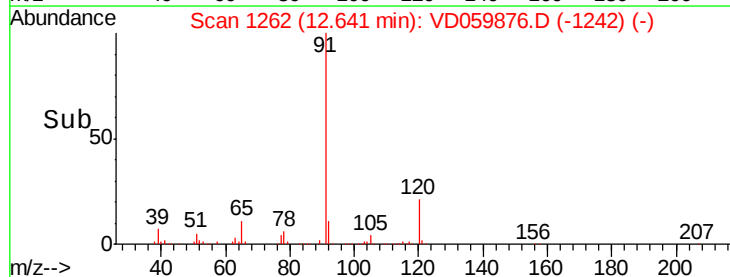
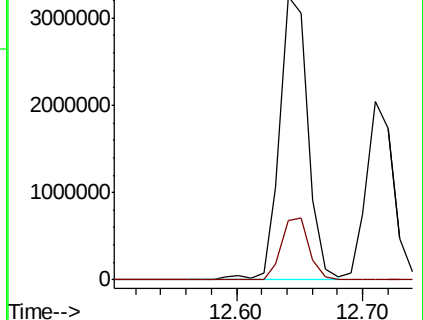
91 100

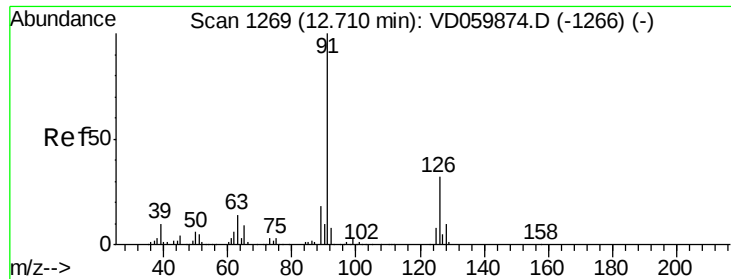
120 20.8 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 94.189 ug/l

RT: 12.71 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

Instrument :

MSVOA_D

ClientSampleId :

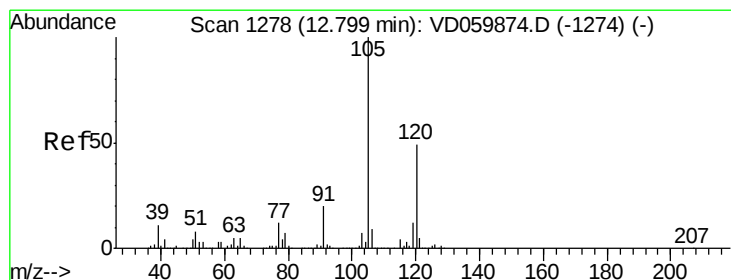
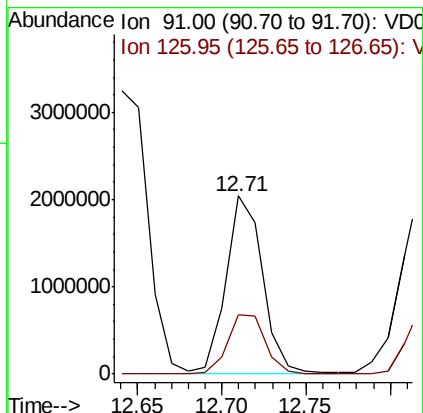
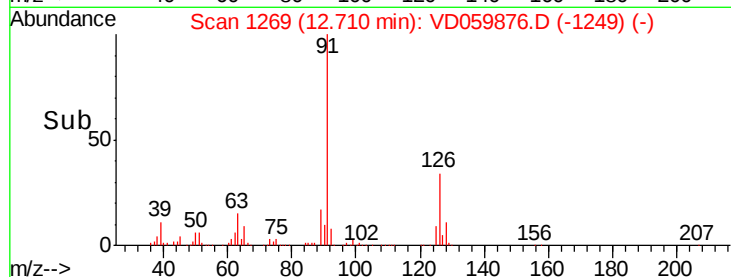
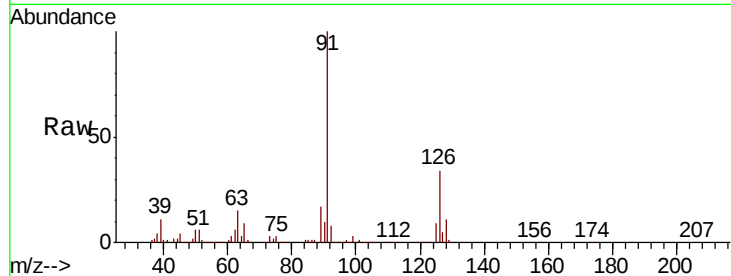
VSTDIC100

Tgt Ion: 91 Resp: 3067567

Ion Ratio Lower Upper

91 100

126 33.5 16.1 48.2



#80

1,3,5-Trimethylbenzene

Concen: 90.974 ug/l

RT: 12.80 min Scan# 1278

Delta R.T. -0.00 min

Lab File: VD059876.D

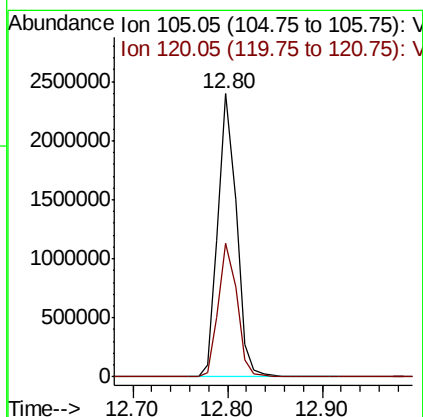
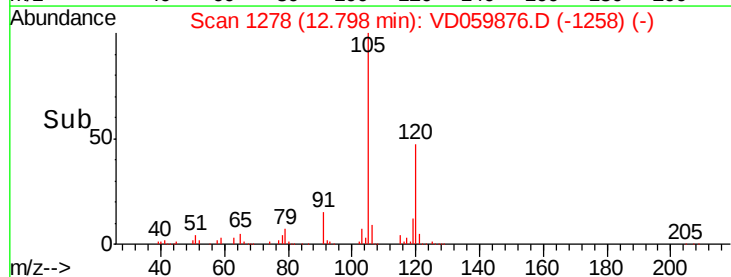
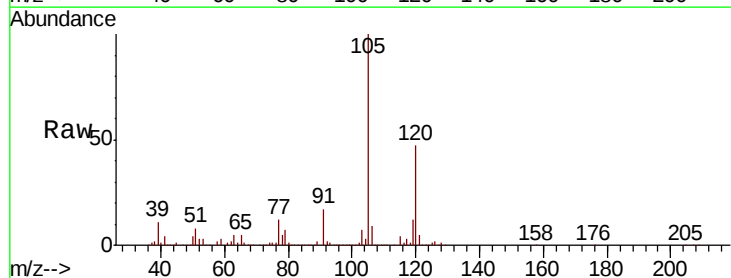
Acq: 22 Aug 2018 15:05

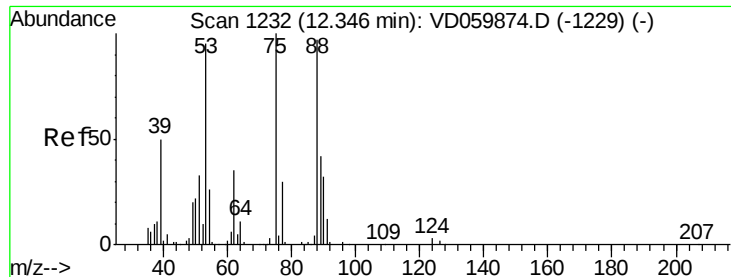
Tgt Ion: 105 Resp: 3252386

Ion Ratio Lower Upper

105 100

120 47.0 24.5 73.5





#81

trans-1,4-Dichloro-2-butene

Concen: 101.659 ug/l

RT: 12.35 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

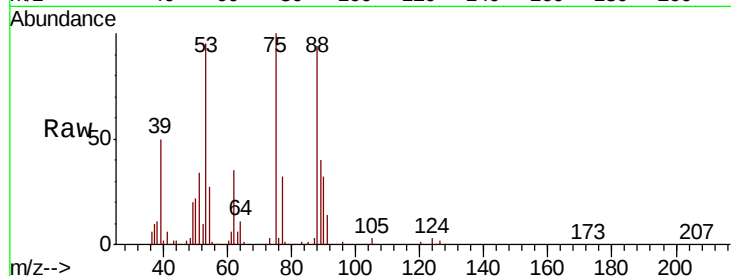
Tgt Ion: 75 Resp: 356378

Ion Ratio Lower Upper

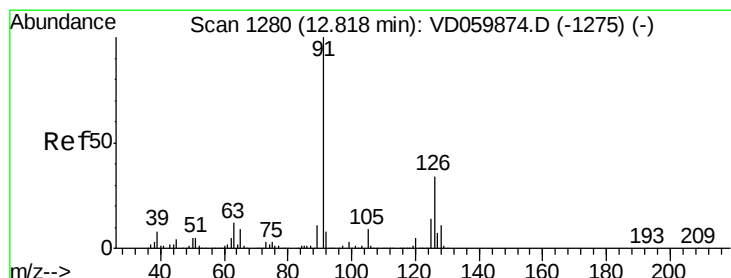
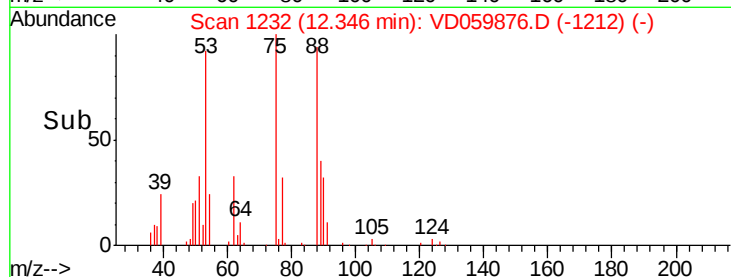
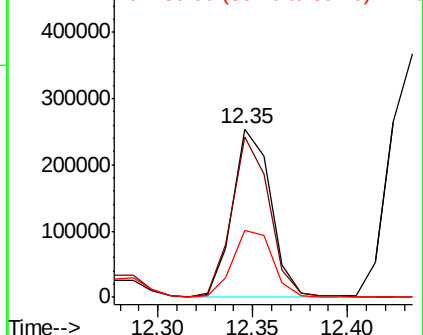
75 100

53 94.9 75.8 113.6

89 39.9 33.6 50.4



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 88.149 ug/l

RT: 12.82 min Scan# 1280

Delta R.T. -0.00 min

Lab File: VD059876.D

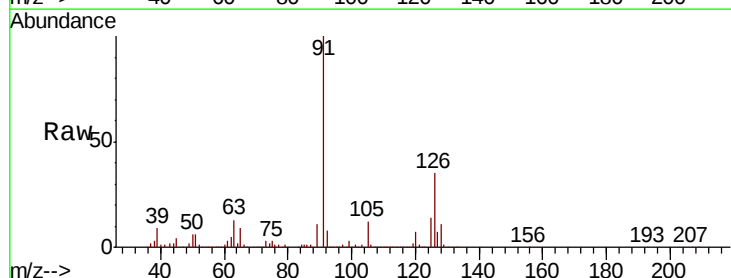
Acq: 22 Aug 2018 15:05

Tgt Ion: 91 Resp: 3205044

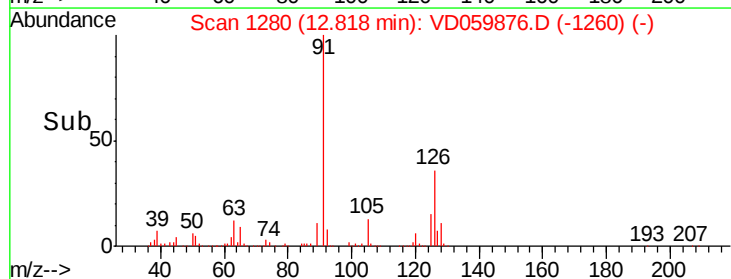
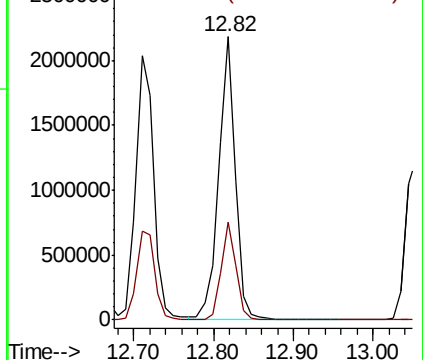
Ion Ratio Lower Upper

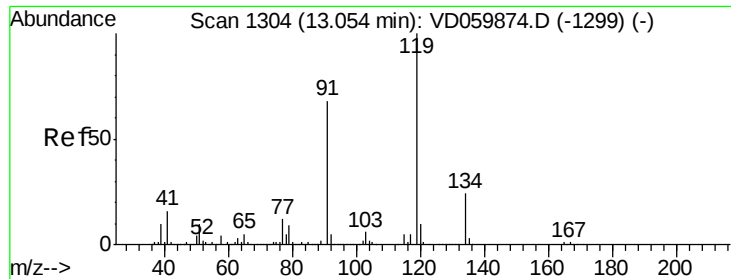
91 100

126 34.7 17.1 51.2



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

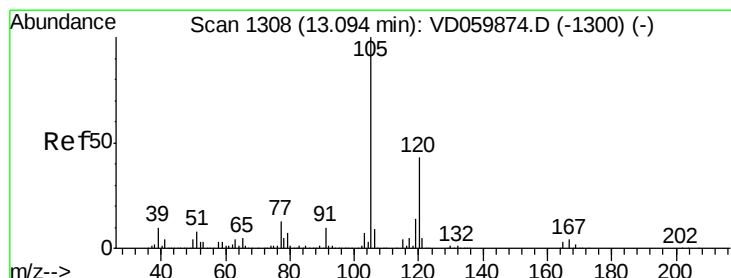
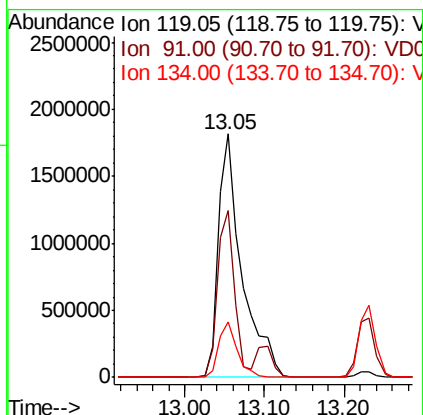
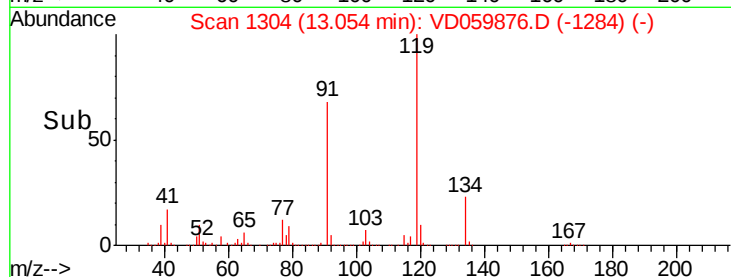
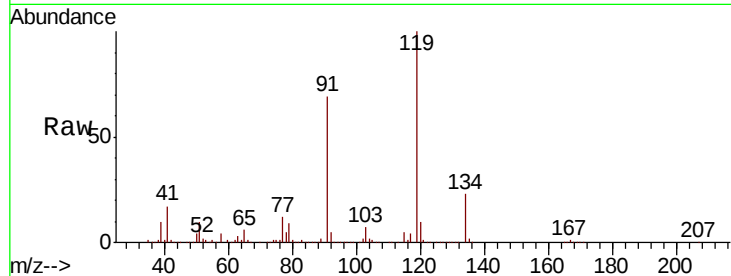




#83
 tert-Butylbenzene
 Concen: 90.708 ug/l
 RT: 13.05 min Scan# 1304
 Delta R.T. -0.00 min
 Lab File: VD059876.D
 Acq: 22 Aug 2018 15:05

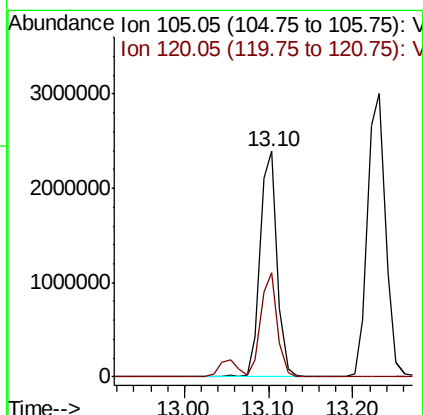
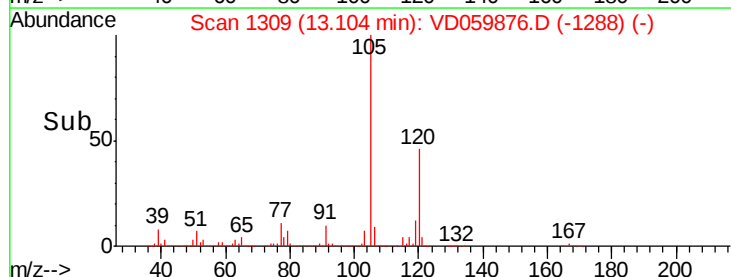
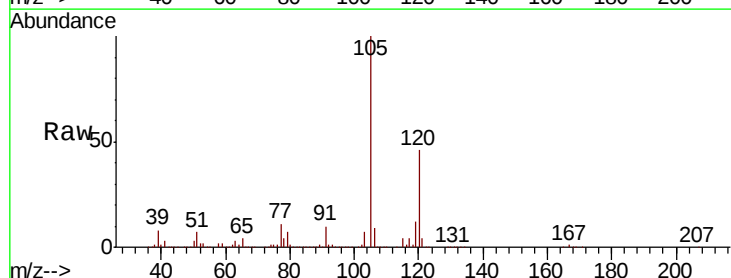
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

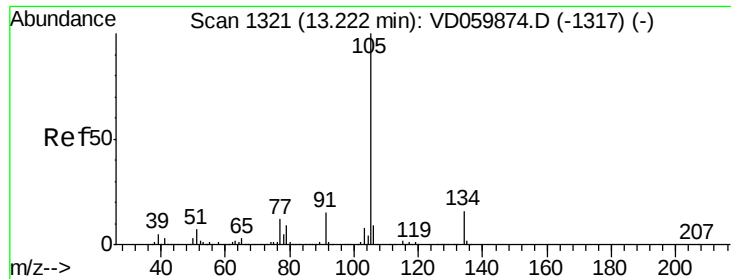
Tgt Ion:119 Resp: 3769606
 Ion Ratio Lower Upper
 119 100
 91 68.7 34.3 102.9
 134 22.9 11.9 35.9



#84
 1,2,4-Trimethylbenzene
 Concen: 91.402 ug/l
 RT: 13.10 min Scan# 1309
 Delta R.T. 0.01 min
 Lab File: VD059876.D
 Acq: 22 Aug 2018 15:05

Tgt Ion:105 Resp: 3442655
 Ion Ratio Lower Upper
 105 100
 120 46.1 21.8 65.3

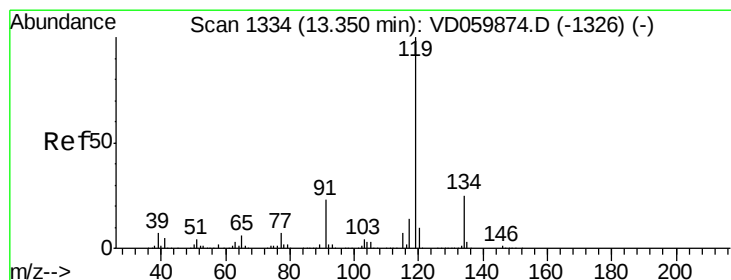
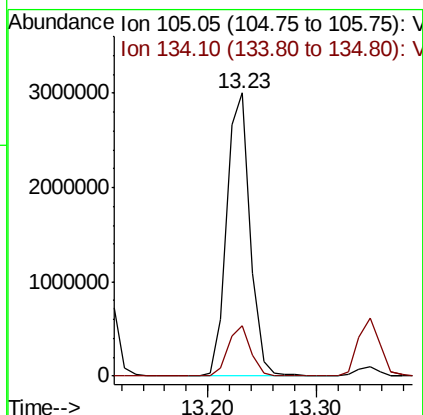
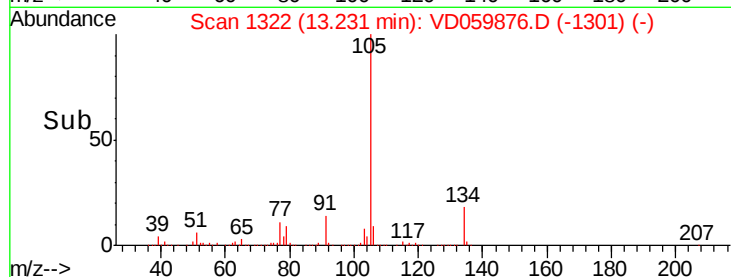
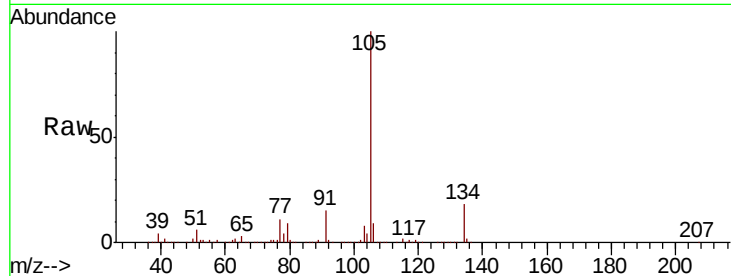




#85
 sec-Butylbenzene
 Concen: 92.132 ug/l
 RT: 13.23 min Scan# 1322
 Delta R.T. 0.01 min
 Lab File: VD059876.D
 Acq: 22 Aug 2018 15:05

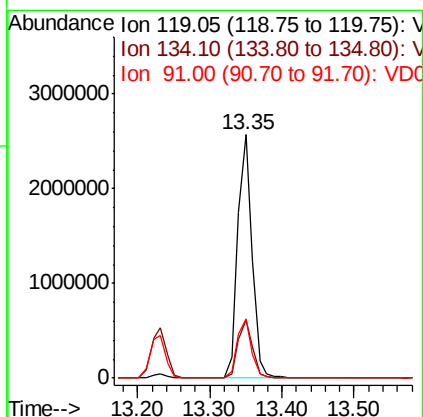
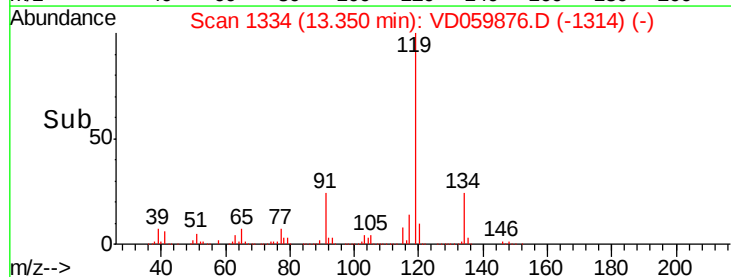
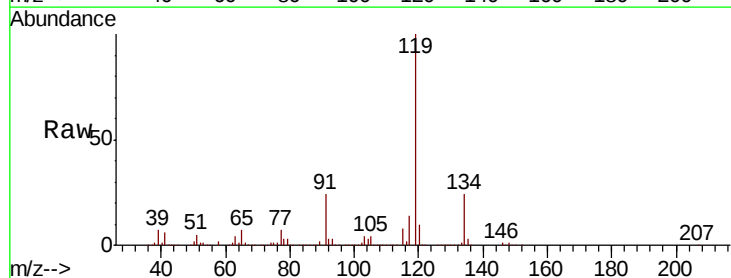
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

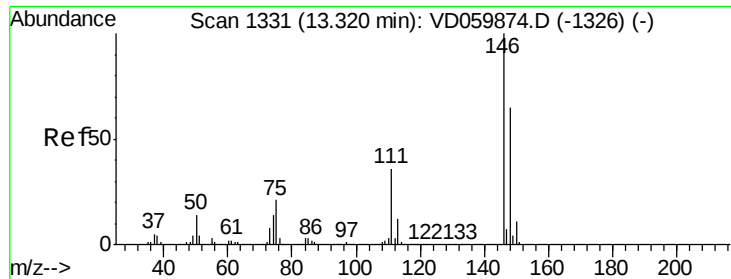
Tgt Ion:105 Resp: 4485701
 Ion Ratio Lower Upper
 105 100
 134 17.8 8.2 24.4



#86
 p-Isopropyltoluene
 Concen: 90.826 ug/l
 RT: 13.35 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: VD059876.D
 Acq: 22 Aug 2018 15:05

Tgt Ion:119 Resp: 3577419
 Ion Ratio Lower Upper
 119 100
 134 23.9 12.7 38.1
 91 24.3 11.7 35.0

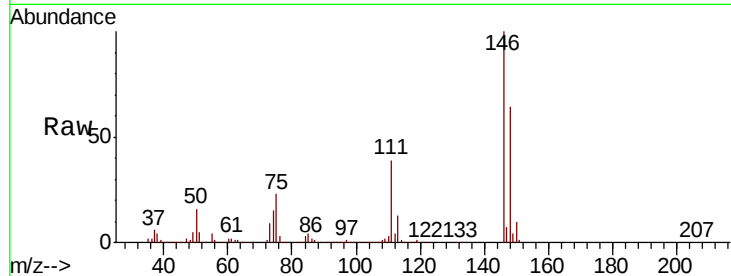




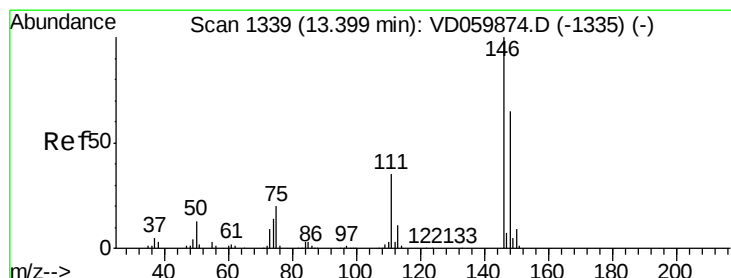
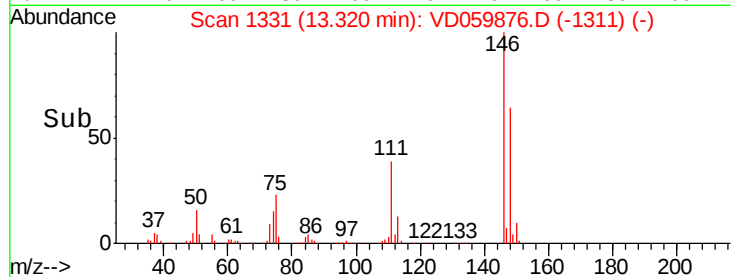
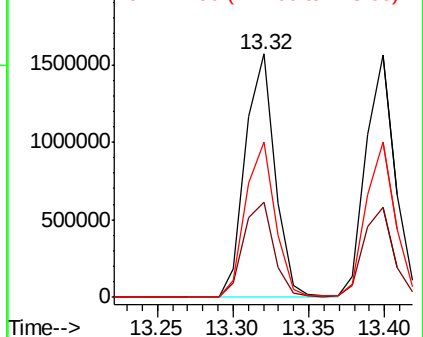
#87
 1,3-Dichlorobenzene
 Concen: 95.095 ug/l
 RT: 13.32 min Scan# 1331
 Delta R.T. -0.00 min
 Lab File: VD059876.D
 Acq: 22 Aug 2018 15:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion:146 Resp: 2155658
 Ion Ratio Lower Upper
 146 100
 111 39.0 17.9 53.7
 148 63.9 32.4 97.0

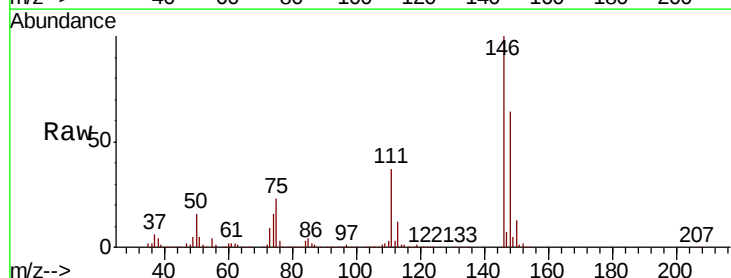


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

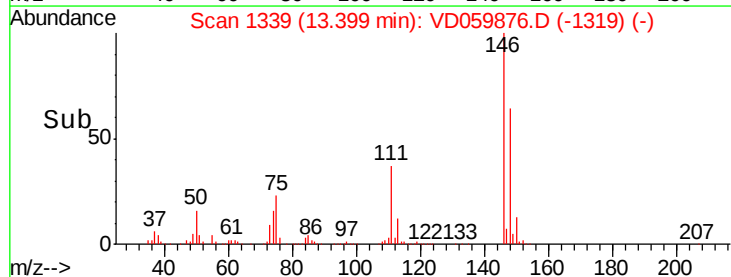
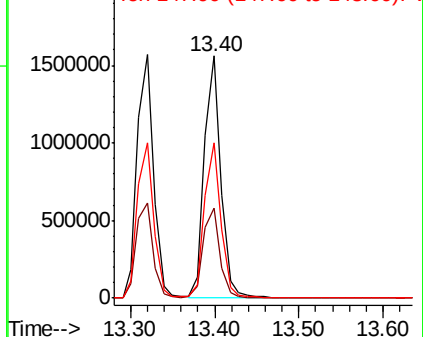


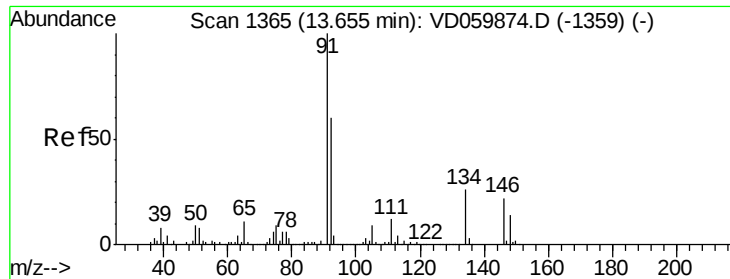
#88
 1,4-Dichlorobenzene
 Concen: 93.879 ug/l
 RT: 13.40 min Scan# 1339
 Delta R.T. -0.00 min
 Lab File: VD059876.D
 Acq: 22 Aug 2018 15:05

Tgt Ion:146 Resp: 2122527
 Ion Ratio Lower Upper
 146 100
 111 37.2 17.5 52.6
 148 64.2 32.5 97.5



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

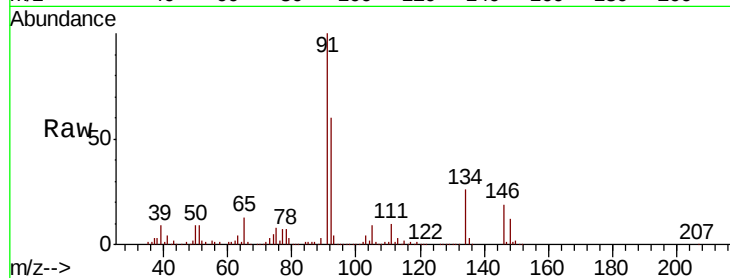




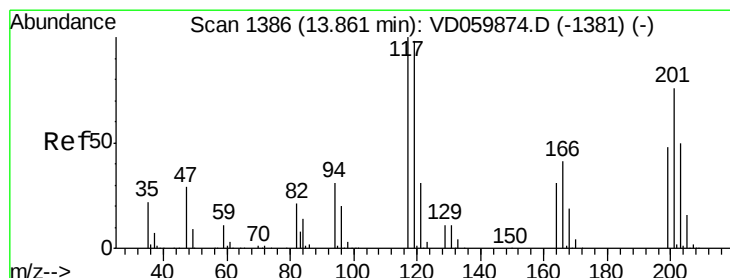
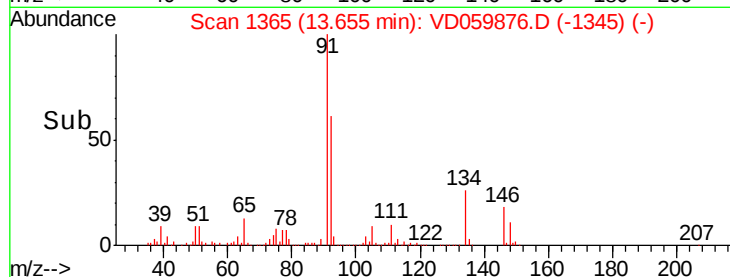
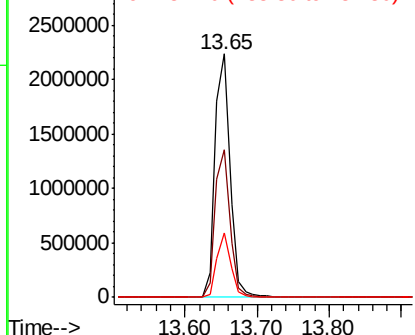
#89
n-Butylbenzene
Concen: 82.225 ug/l
RT: 13.65 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VD059876.D
Acq: 22 Aug 2018 15:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion: 91 Resp: 3181745
Ion Ratio Lower Upper
91 100
92 60.5 30.0 90.1
134 26.2 12.8 38.4

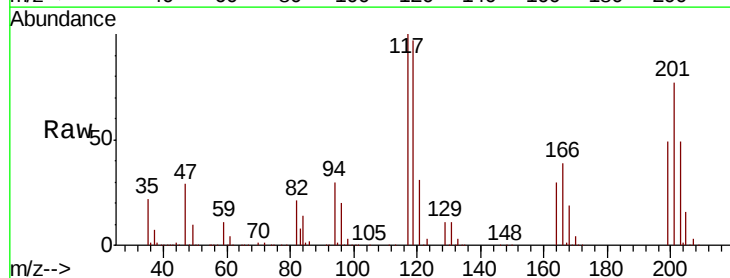


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

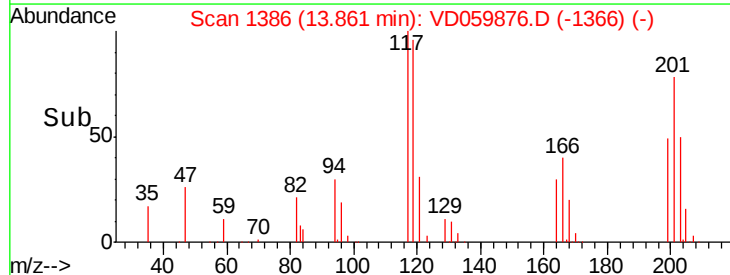
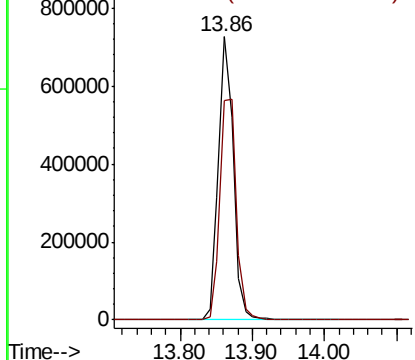


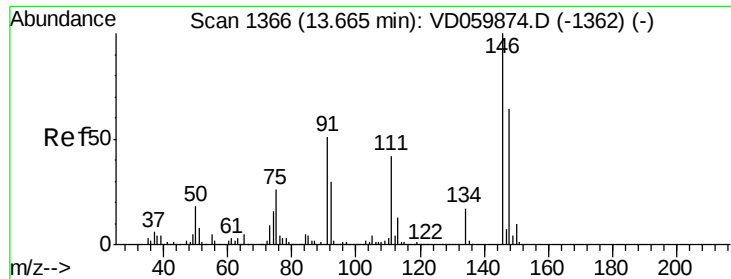
#90
Hexachloroethane
Concen: 96.171 ug/l
RT: 13.86 min Scan# 1386
Delta R.T. -0.00 min
Lab File: VD059876.D
Acq: 22 Aug 2018 15:05

Tgt Ion: 117 Resp: 1031472
Ion Ratio Lower Upper
117 100
201 77.3 38.1 114.5



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V





#91

1,2-Dichlorobenzene

Concen: 86.607 ug/l

RT: 13.66 min Scan# 1366

Delta R.T. -0.00 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

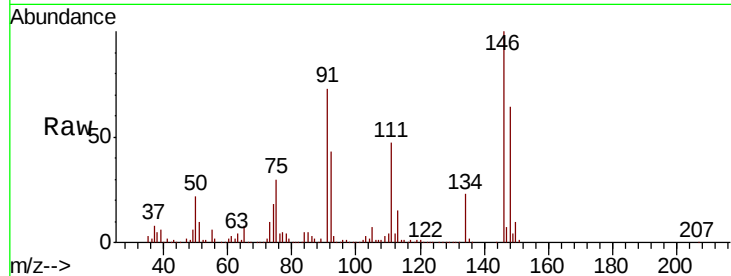
Tgt Ion:146 Resp: 1636595

Ion Ratio Lower Upper

146 100

111 46.9 21.1 63.1

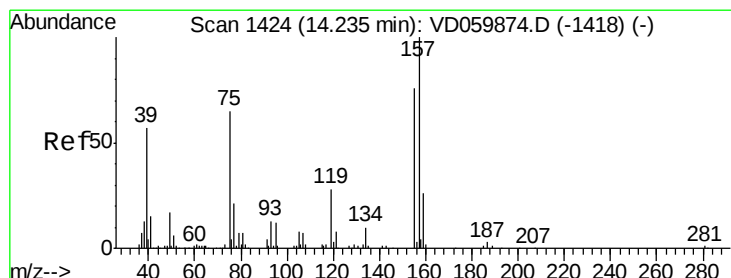
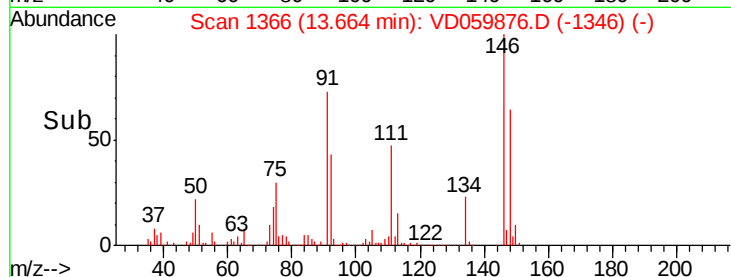
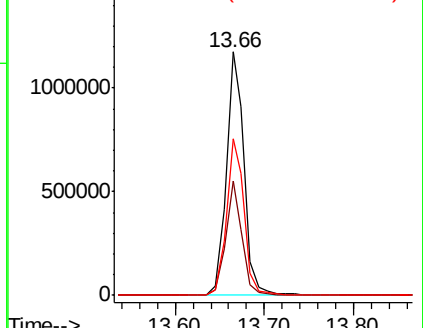
148 64.1 32.2 96.6



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: 101.469 ug/l

RT: 14.24 min Scan# 1424

Delta R.T. -0.00 min

Lab File: VD059876.D

Acq: 22 Aug 2018 15:05

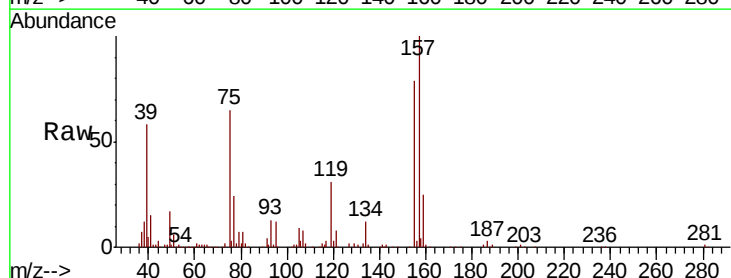
Tgt Ion: 75 Resp: 169261

Ion Ratio Lower Upper

75 100

155 121.7 58.2 174.6

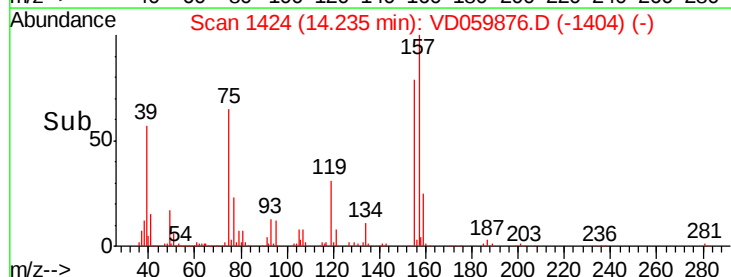
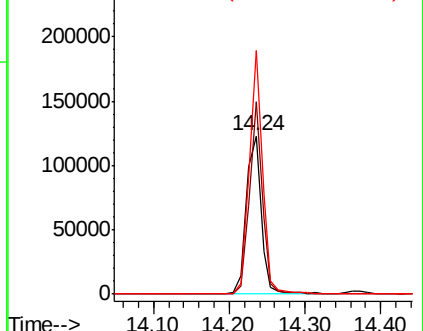
157 154.1 76.8 230.4

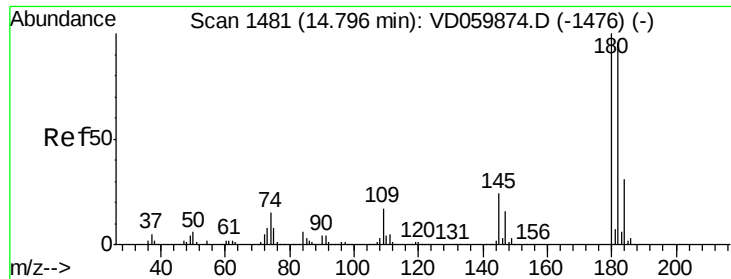


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

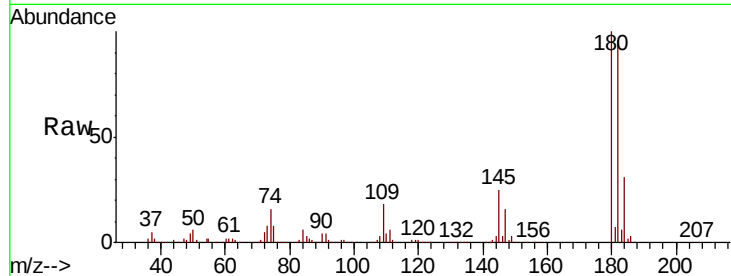




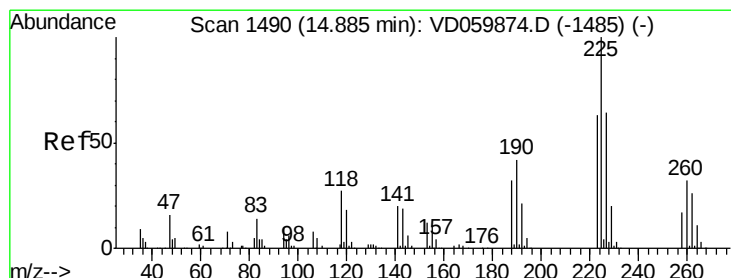
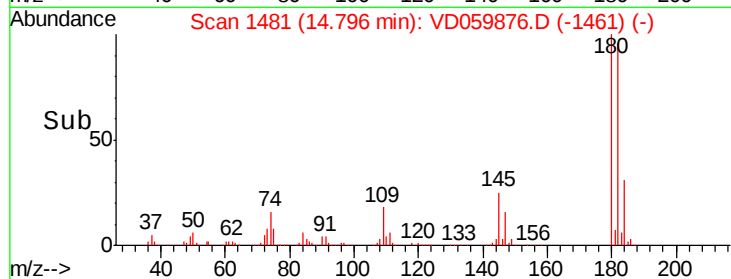
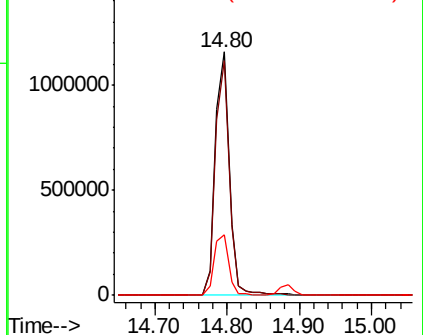
#93
 1,2,4-Trichlorobenzene
 Concen: 96.700 ug/l
 RT: 14.80 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VD059876.D
 Acq: 22 Aug 2018 15:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tgt Ion:180 Resp: 1568882
 Ion Ratio Lower Upper
 180 100
 182 96.5 47.9 143.7
 145 24.8 12.2 36.4

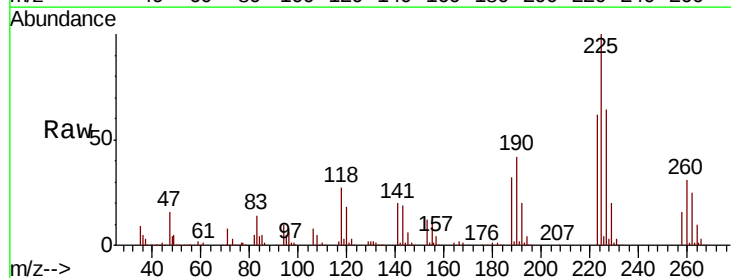


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

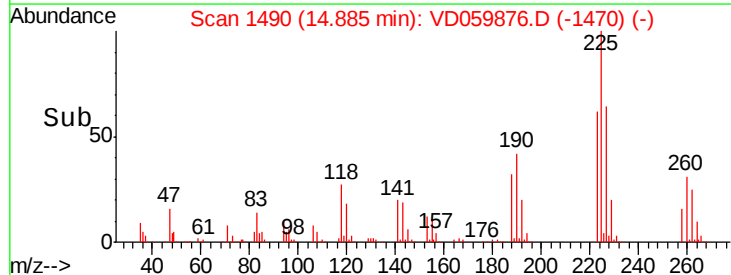
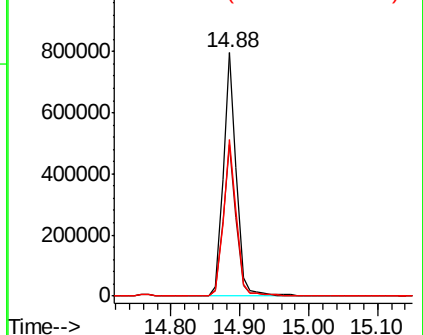


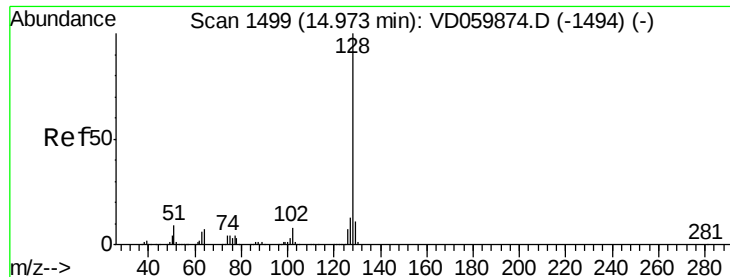
#94
 Hexachlorobutadiene
 Concen: 96.912 ug/l
 RT: 14.88 min Scan# 1490
 Delta R.T. -0.00 min
 Lab File: VD059876.D
 Acq: 22 Aug 2018 15:05

Tgt Ion:225 Resp: 1043031
 Ion Ratio Lower Upper
 225 100
 223 62.4 31.6 94.8
 227 64.5 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

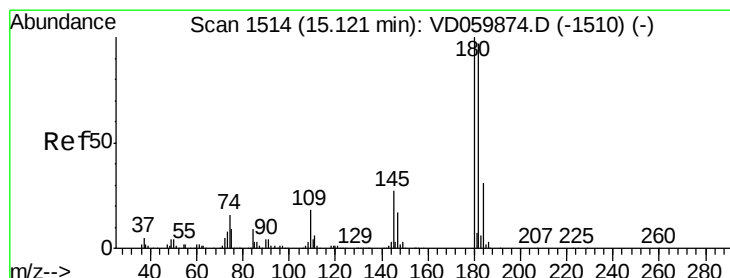
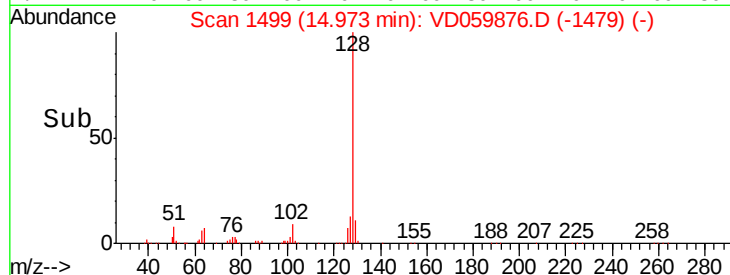
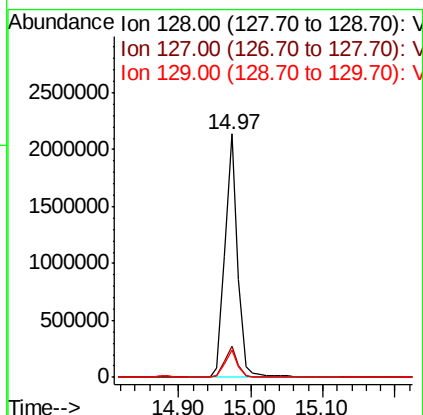
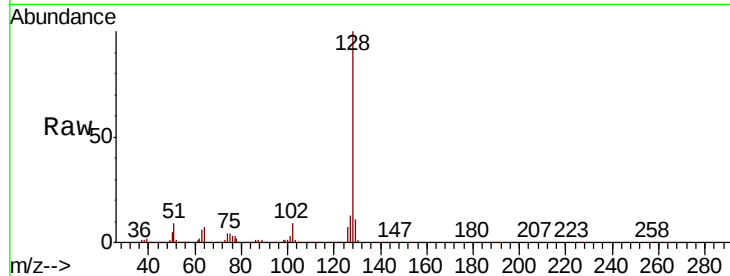




#95
Naphthalene
Concen: 100.874 ug/l
RT: 14.97 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VD059876.D
Acq: 22 Aug 2018 15:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tgt Ion:128 Resp: 2597356
Ion Ratio Lower Upper
128 100
127 13.0 10.0 15.0
129 11.1 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 99.170 ug/l
RT: 15.12 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VD059876.D
Acq: 22 Aug 2018 15:05

Tgt Ion:180 Resp: 1411012
Ion Ratio Lower Upper
180 100
182 95.8 48.6 145.8
145 26.8 13.6 40.8

