

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW032919\
 Data File : VW009568.D
 Acq On : 29 Mar 2019 11:43
 Operator : SY/VA
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Quant Time: Mar 29 12:24:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W032919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 29 12:17:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	325592	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	499822	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	468381	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	255145	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	366135	96.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	193.78%	
35) Dibromofluoromethane	7.88	113	306787	97.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	194.46%	
50) Toluene-d8	10.32	98	1174241	96.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	192.88%	
62) 4-Bromofluorobenzene	12.62	95	449357	98.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.86%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	191512	100.598	ug/l	94
3) Chloromethane	2.22	50	270706	107.462	ug/l	98
4) Vinyl Chloride	2.37	62	340744	98.546	ug/l	98
5) Bromomethane	2.78	94	258438	98.953	ug/l	99
6) Chloroethane	2.92	64	254403	97.327	ug/l	98
7) Trichlorofluoromethane	3.26	101	240056	100.059	ug/l	98
8) Diethyl Ether	3.68	74	162235	95.714	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	310321	96.870	ug/l	96
10) Methyl Iodide	4.27	142	436487	97.000	ug/l	97
11) Tert butyl alcohol	5.21	59	106808	511.933	ug/l	99
12) 1,1-Dichloroethene	4.04	96	294402	96.860	ug/l	96
13) Acrolein	3.89	56	78244	495.514	ug/l	98
14) Allyl chloride	4.66	41	490507	97.836	ug/l	97
15) Acrylonitrile	5.37	53	390173	519.416	ug/l	99
16) Acetone	4.13	43	394446	469.101	ug/l	96
17) Carbon Disulfide	4.38	76	827551	97.468	ug/l	99
18) Methyl Acetate	4.67	43	208433	106.126	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	461358	105.050	ug/l	96
20) Methylene Chloride	4.91	84	313265	94.424	ug/l	92
21) trans-1,2-Dichloroethene	5.42	96	320177	98.016	ug/l	89
22) Diisopropyl ether	6.31	45	1121891	102.427	ug/l	95
23) Vinyl Acetate	6.25	43	3748879	543.105	ug/l	99
24) 1,1-Dichloroethane	6.21	63	627821	97.833	ug/l	99
25) 2-Butanone	7.17	43	621620	543.001	ug/l	96
26) 2,2-Dichloropropane	7.17	77	349002	95.055	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	363523	100.472	ug/l	97
28) Bromochloromethane	7.51	49	289144	106.776	ug/l	94
29) Tetrahydrofuran	7.53	42	391444	546.237	ug/l	98
30) Chloroform	7.67	83	657372	99.607	ug/l	99
31) Cyclohexane	7.95	56	559092	97.595	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	519787	96.714	ug/l	97
36) 1,1-Dichloropropene	8.08	75	501778	96.452	ug/l	100
37) Ethyl Acetate	7.26	43	257436	105.346	ug/l	99
38) Carbon Tetrachloride	8.06	117	517277	98.202	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	608880	101.583	ug/l	94
40) Benzene	8.32	78	1379015	98.009	ug/l	99
41) Methacrylonitrile	7.48	41	171944	118.261	ug/l #	88
42) 1,2-Dichloroethane	8.40	62	476424	101.457	ug/l	99
43) Isopropyl Acetate	8.42	43	527074	111.318	ug/l	98
44) Trichloroethene	9.09	130	357180	98.356	ug/l	98
45) 1,2-Dichloropropane	9.37	63	349547	97.429	ug/l	99
46) Dibromomethane	9.46	93	196958	102.681	ug/l	96
47) Bromodichloromethane	9.64	83	502874	100.629	ug/l	96
48) Methyl methacrylate	9.43	41	257268	109.585	ug/l	95
49) 1,4-Dioxane	9.47	88	60633	2044.399	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	1429668	550.830	ug/l	100
52) Toluene	10.38	92	891536	98.795	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	527322	105.989	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	573969	103.796	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	270592	103.717	ug/l	97
56) Ethyl methacrylate	10.65	69	382413	112.743	ug/l	98
57) 1,3-Dichloropropane	10.93	76	485102	103.415	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	957682	576.311	ug/l	97
59) 2-Hexanone	10.97	43	1027740	556.558	ug/l	99
60) Dibromochloromethane	11.13	129	335983	106.060	ug/l	99
61) 1,2-Dibromoethane	11.23	107	261559	103.880	ug/l	99
64) Tetrachloroethene	10.86	164	305335	98.165	ug/l	95
65) Chlorobenzene	11.66	112	974664	99.585	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	364038	101.238	ug/l	99
67) Ethyl Benzene	11.73	91	1803148	100.572	ug/l	100
68) m/p-Xylenes	11.84	106	1367763	200.759	ug/l	99
69) o-Xylene	12.16	106	654143	102.348	ug/l	99
70) Styrene	12.18	104	1105421	102.369	ug/l	100
71) Bromoform	12.35	173	209358	107.892	ug/l #	99
73) Isopropylbenzene	12.46	105	1873643	99.420	ug/l	100
74) N-amyl acetate	12.27	43	540187	113.669	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	345599	103.981	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	478860	198.440	ug/l #	100
77) Bromobenzene	12.75	156	411891	98.061	ug/l	96
78) n-propylbenzene	12.80	91	2272993	97.908	ug/l	100
79) 2-Chlorotoluene	12.90	91	1273505	97.625	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	1564108	98.076	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	116447	112.660	ug/l	99
82) 4-Chlorotoluene	12.99	91	1341928	97.678	ug/l	99
83) tert-Butylbenzene	13.21	119	1366470	100.703	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	1606624	97.563	ug/l	99
85) sec-Butylbenzene	13.38	105	2010266	97.548	ug/l	99
86) p-Isopropyltoluene	13.50	119	1774727	99.082	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	840624	97.224	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	827702	96.282	ug/l	99
89) n-Butylbenzene	13.83	91	1732922	98.243	ug/l	99
90) Hexachloroethane	14.10	117	330386	99.572	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	756101	97.143	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	63539	103.830	ug/l	98

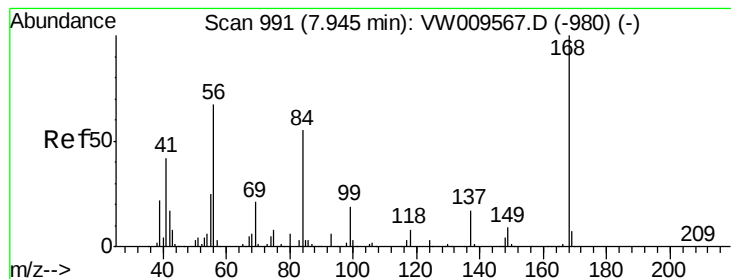
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW032919\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	530497	102.894	ug/l	99
94) Hexachlorobutadiene	15.24	225	313308	97.758	ug/l	99
95) Naphthalene	15.37	128	1057191	110.506	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	470982	103.681	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

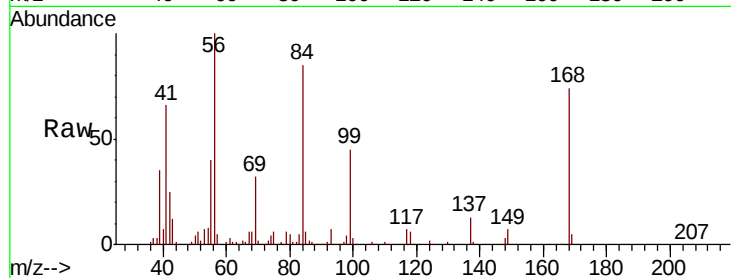
VSTDIC100

Tgt Ion:168 Resp: 325592

Ion Ratio Lower Upper

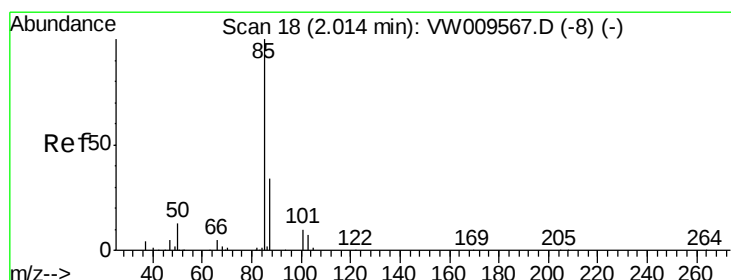
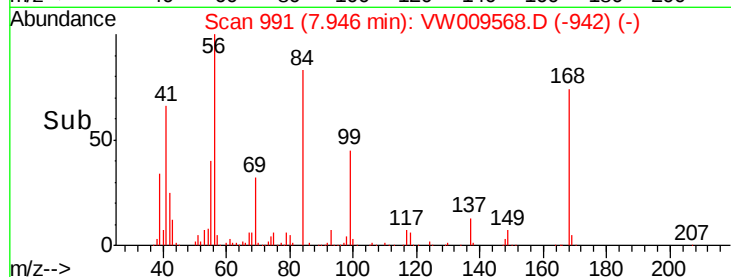
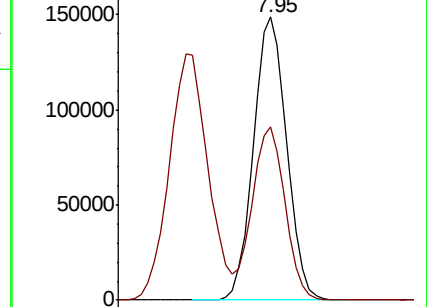
168 100

99 61.0 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 100.598 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW009568.D

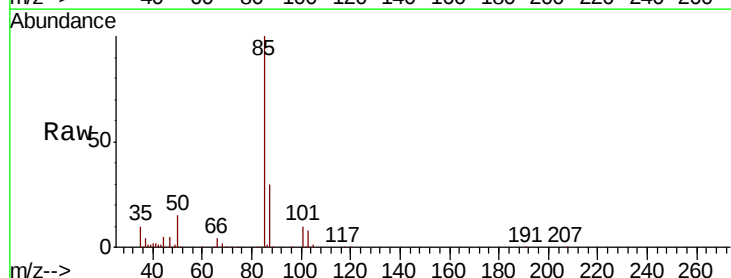
Acq: 29 Mar 2019 11:43

Tgt Ion: 85 Resp: 191512

Ion Ratio Lower Upper

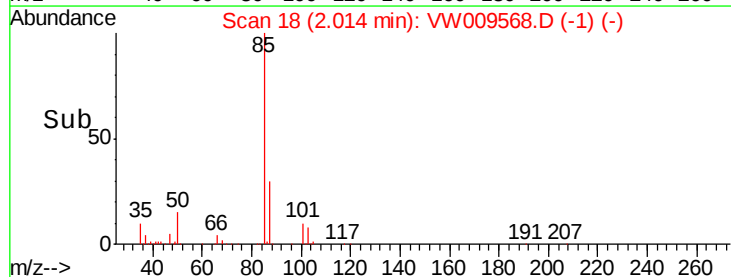
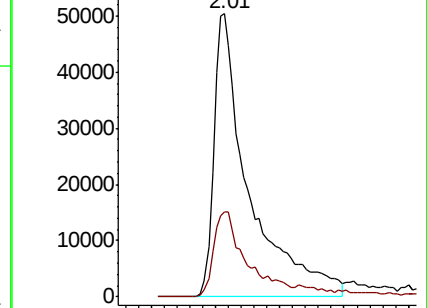
85 100

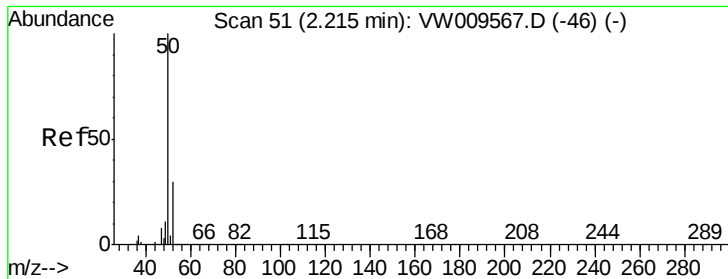
87 30.1 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 107.462 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

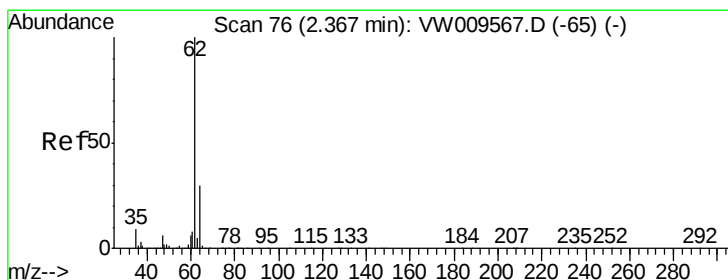
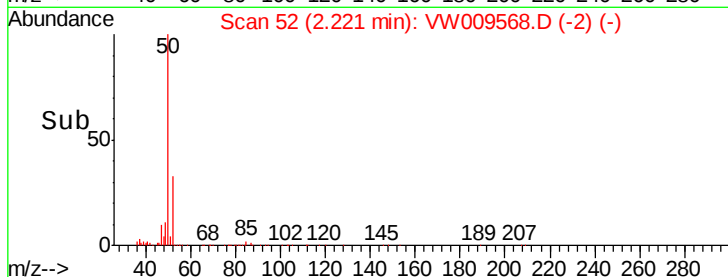
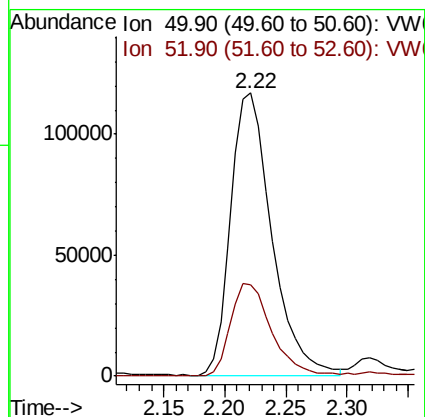
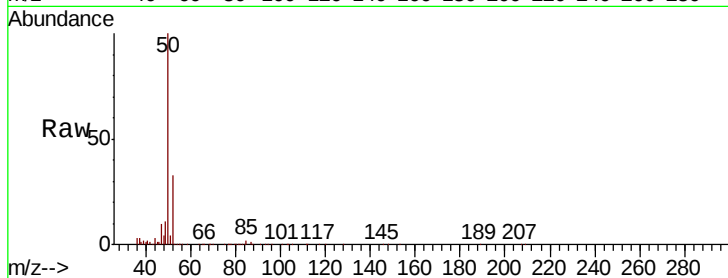
VSTDICC100

Tgt Ion: 50 Resp: 270706

Ion Ratio Lower Upper

50 100

52 32.6 27.2 40.8



#4

Vinyl Chloride

Concen: 98.546 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW009568.D

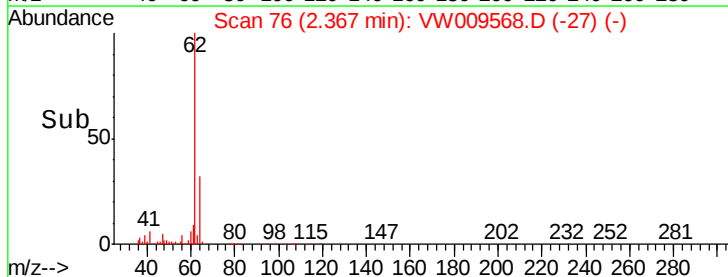
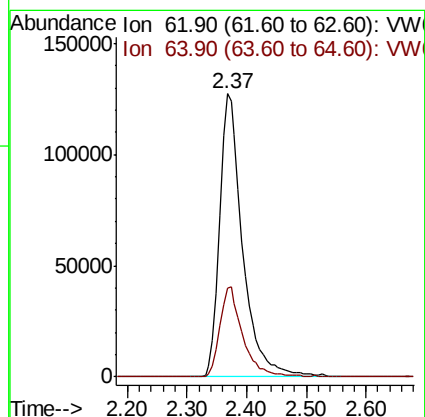
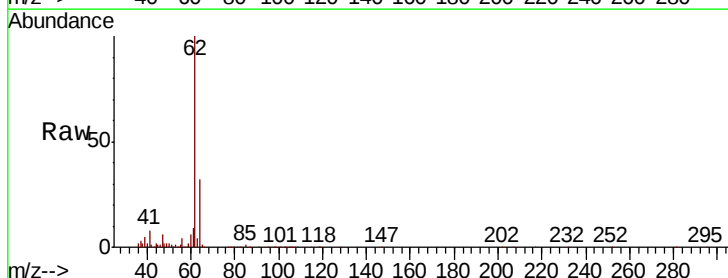
Acq: 29 Mar 2019 11:43

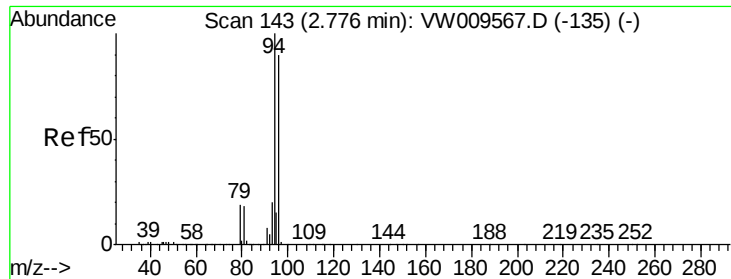
Tgt Ion: 62 Resp: 340744

Ion Ratio Lower Upper

62 100

64 31.5 26.2 39.2





#5

Bromomethane

Concen: 98.953 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

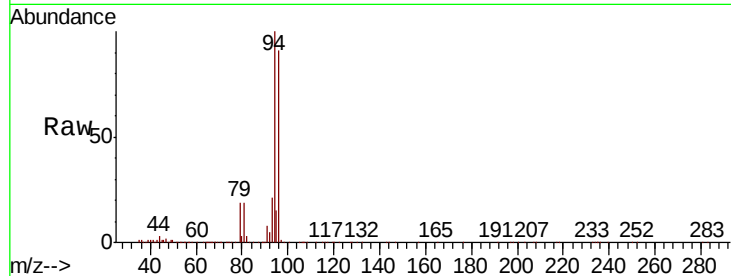
VSTDIC100

Tgt Ion: 94 Resp: 258438

Ion Ratio Lower Upper

94 100

96 90.7 71.4 107.2



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.78

120000

100000

80000

60000

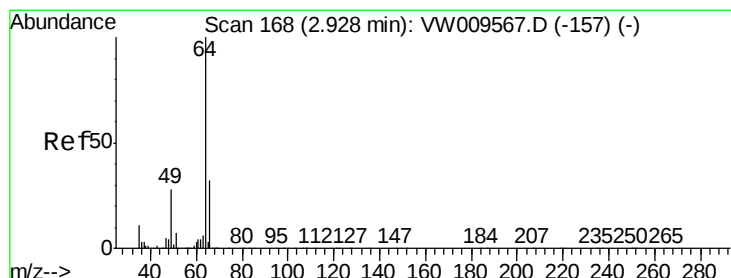
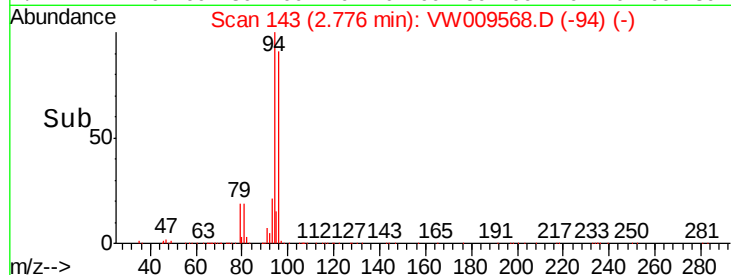
40000

20000

0

Time-->

2.70 2.80 2.90



#6

Chloroethane

Concen: 97.327 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW009568.D

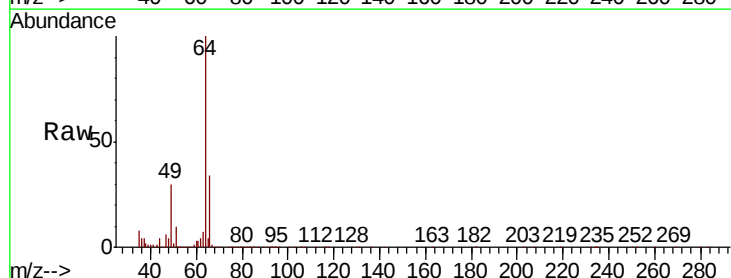
Acq: 29 Mar 2019 11:43

Tgt Ion: 64 Resp: 254403

Ion Ratio Lower Upper

64 100

66 34.0 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

100000

80000

60000

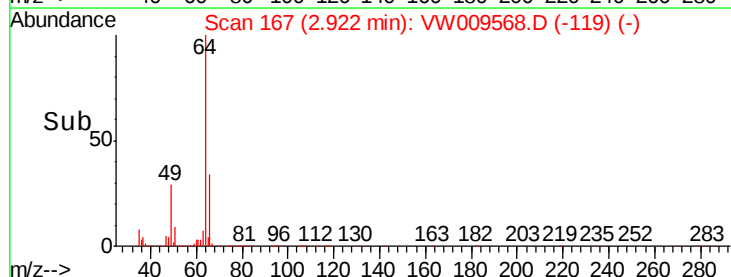
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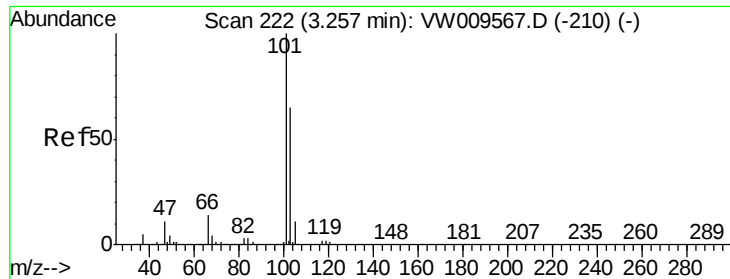
20000

0

Time-->

2.80 2.90 3.00 3.10



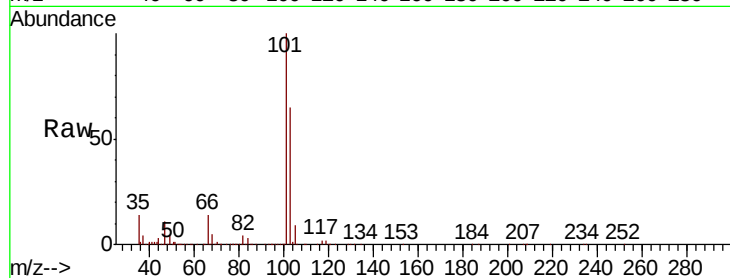


#7

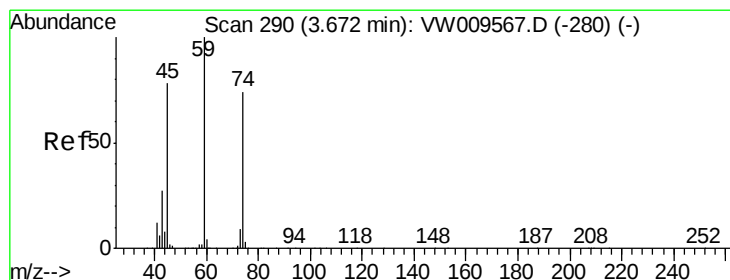
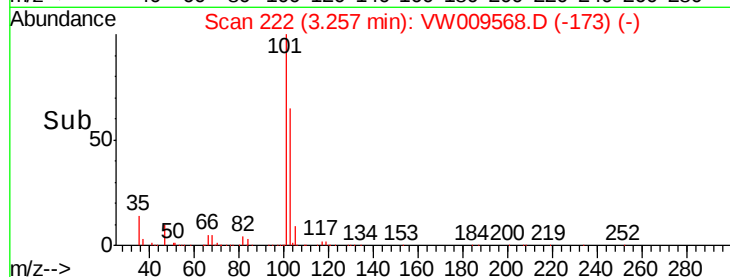
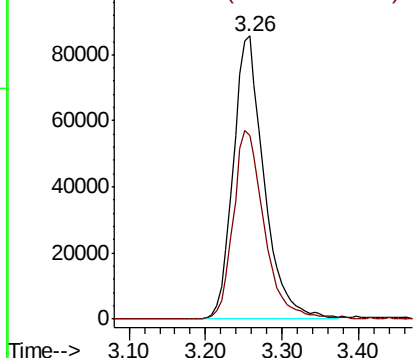
Trichlorofluoromethane
Concen: 100.059 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 240056
Ion Ratio Lower Upper
101 100
103 64.9 50.5 75.7



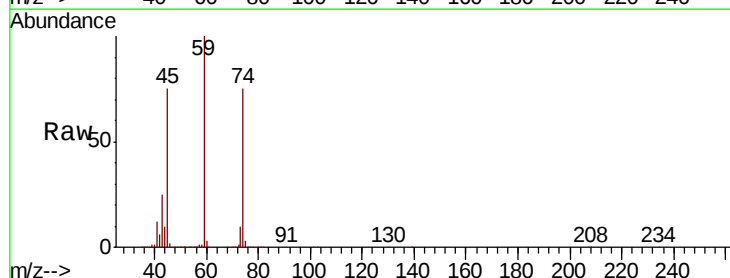
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



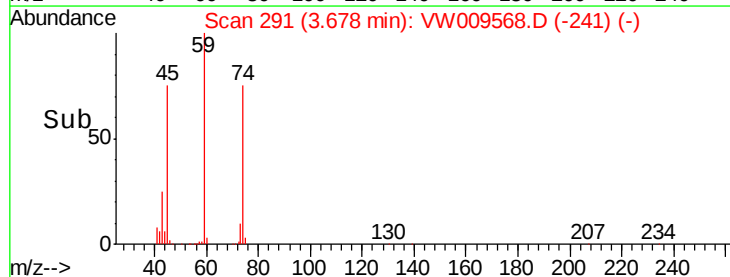
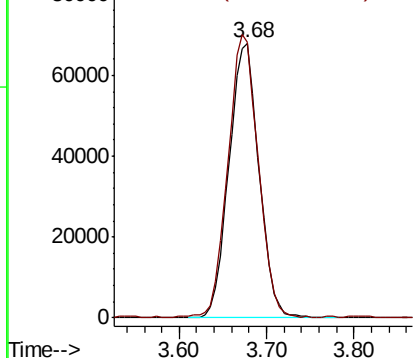
#8

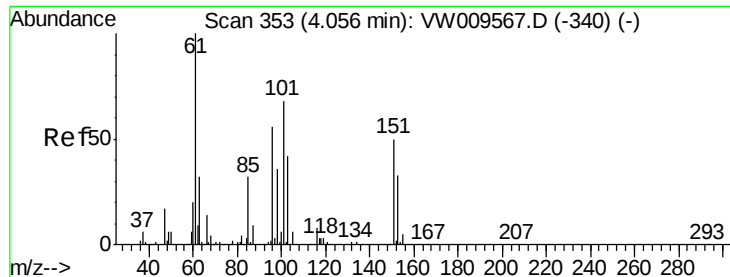
Diethyl Ether
Concen: 95.714 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.01 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Tgt Ion: 74 Resp: 162235
Ion Ratio Lower Upper
74 100
45 103.2 50.6 151.9



Abundance Ion 74.00 (73.70 to 74.70): VW
Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 96.870 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

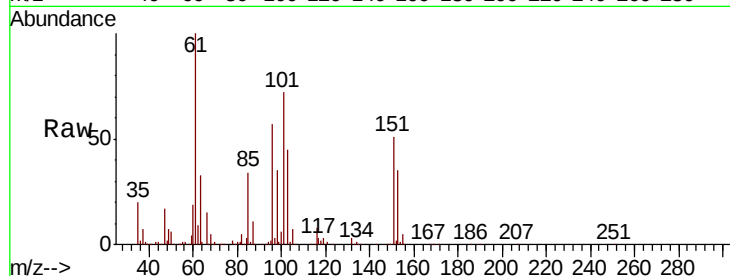
Tgt Ion:101 Resp: 310321

Ion Ratio Lower Upper

101 100

85 46.9 35.1 52.7

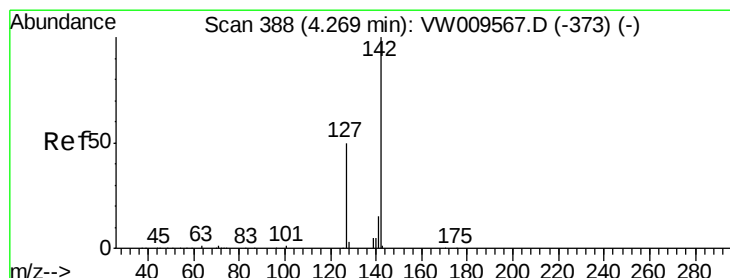
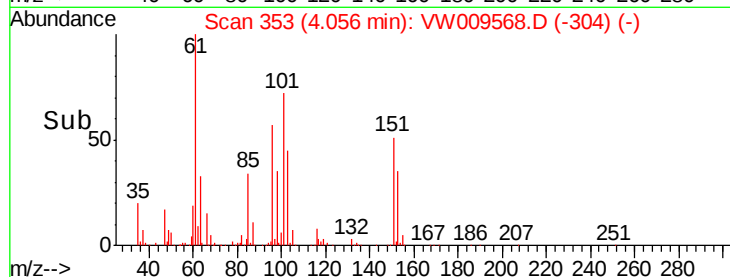
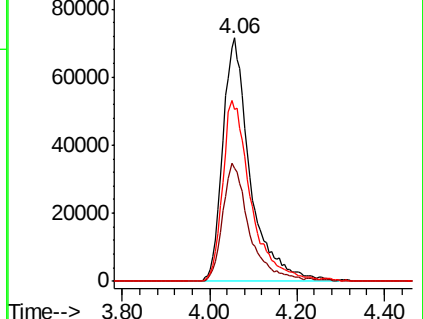
151 76.1 62.9 94.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 97.000 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

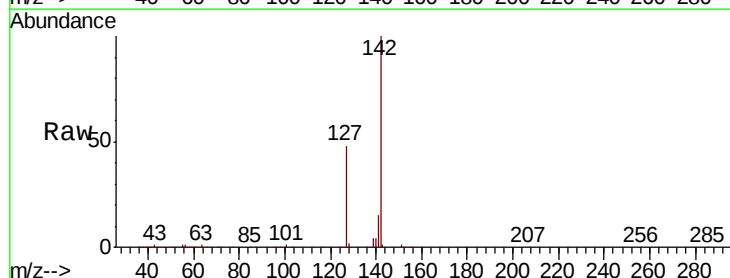
Tgt Ion:142 Resp: 436487

Ion Ratio Lower Upper

142 100

127 47.1 35.9 53.9

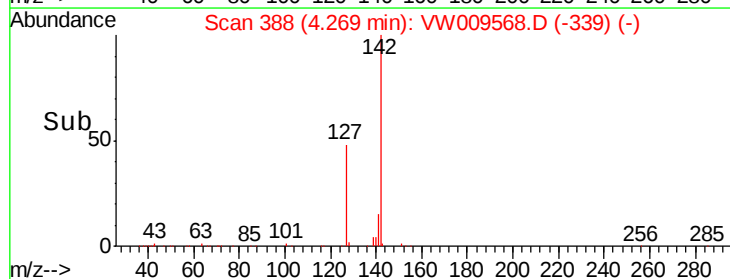
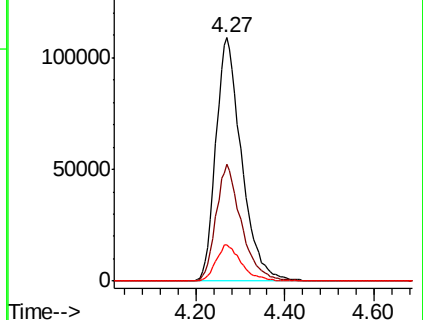
141 14.7 11.4 17.2

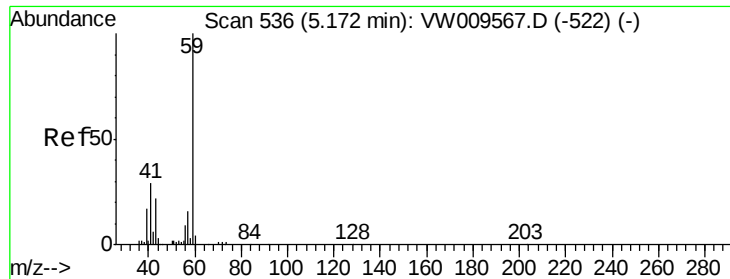


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



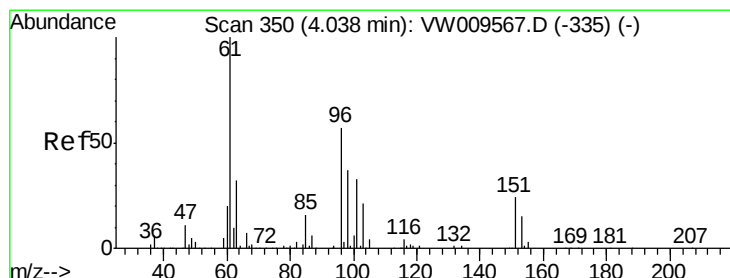
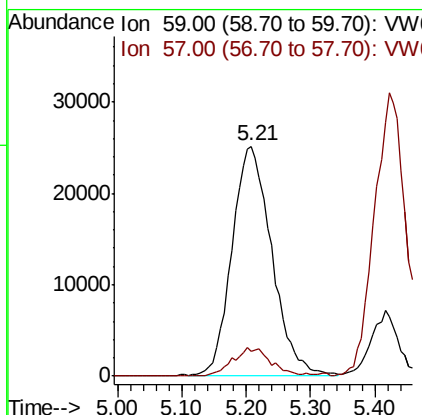
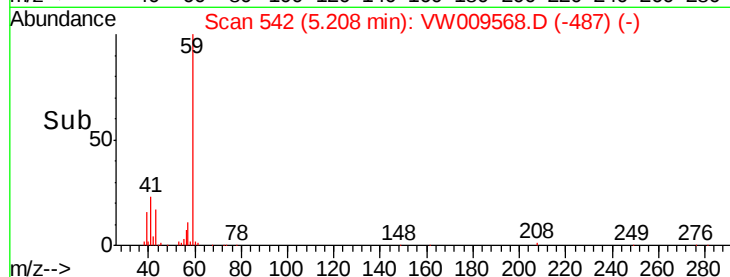
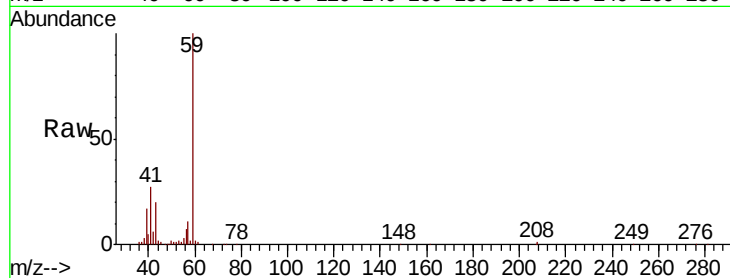


#11

Tert butyl alcohol
 Concen: 511.933 ug/l
 RT: 5.21 min Scan# 542
 Delta R.T. 0.04 min
 Lab File: VW009568.D
 Acq: 29 Mar 2019 11:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

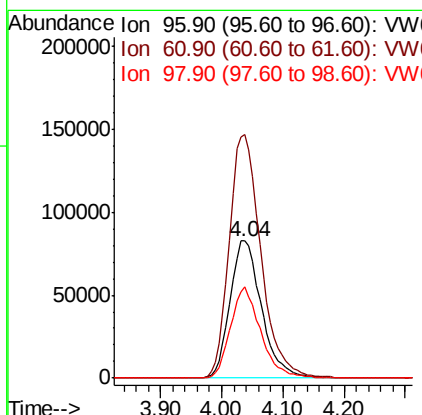
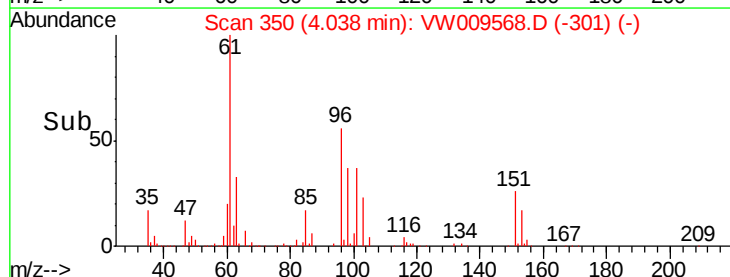
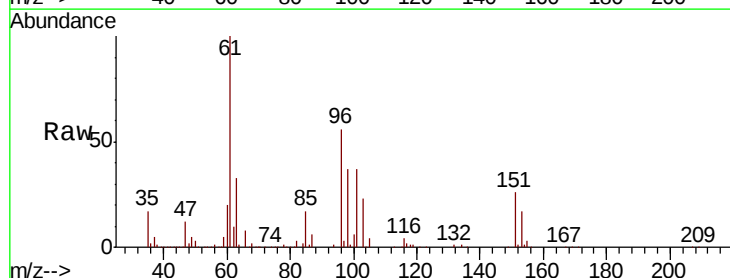
Tgt Ion: 59 Resp: 106808
 Ion Ratio Lower Upper
 59 100
 57 12.0 9.4 14.0

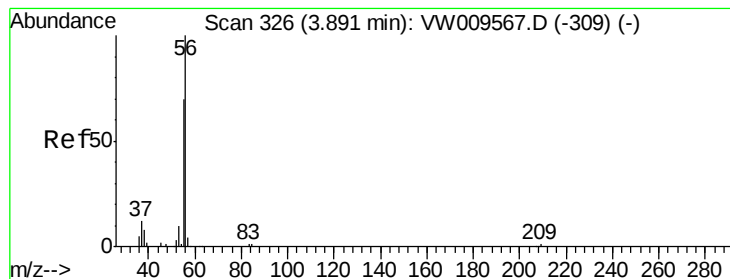


#12

1,1-Dichloroethene
 Concen: 96.860 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW009568.D
 Acq: 29 Mar 2019 11:43

Tgt Ion: 96 Resp: 294402
 Ion Ratio Lower Upper
 96 100
 61 177.8 138.0 207.0
 98 66.3 49.8 74.8





#13

Acrolein

Concen: 495.514 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

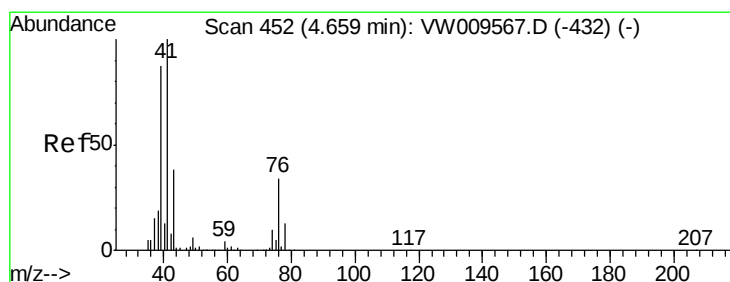
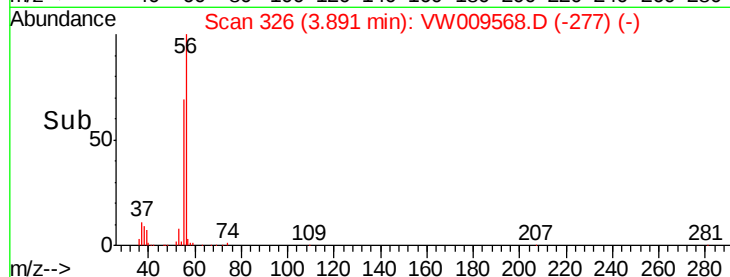
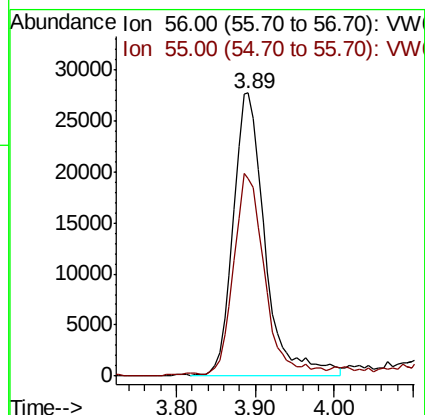
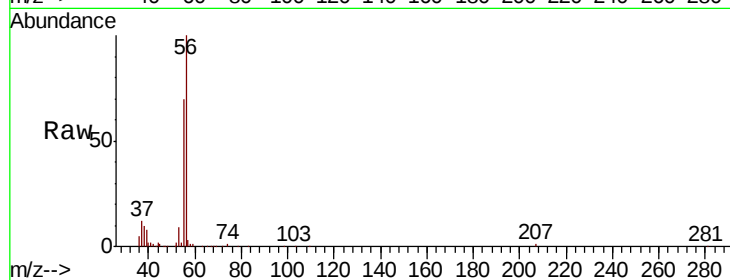
VSTDIC100

Tgt Ion: 56 Resp: 78244

Ion Ratio Lower Upper

56 100

55 67.4 55.2 82.8



#14

Allyl chloride

Concen: 97.836 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

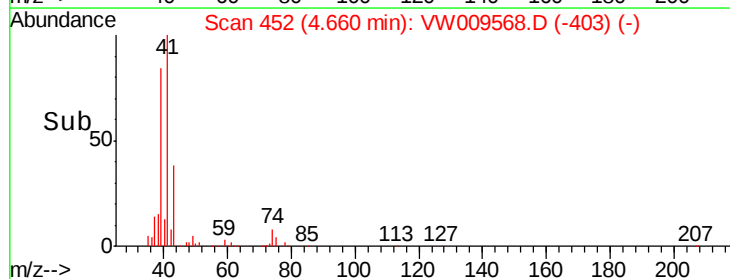
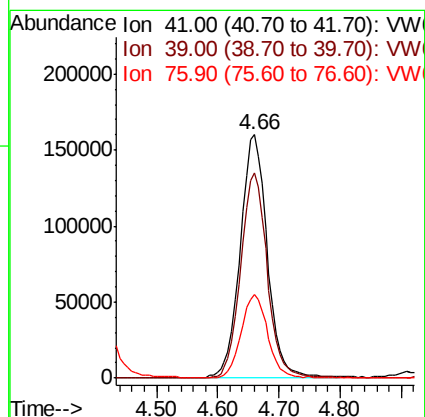
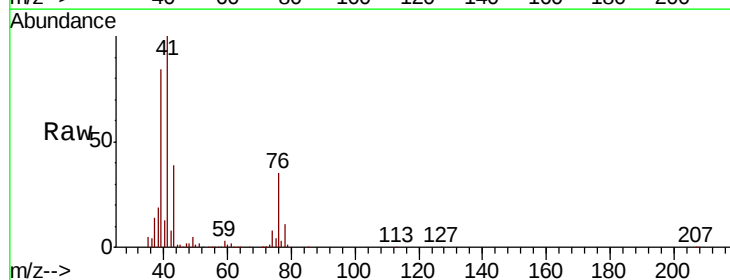
Tgt Ion: 41 Resp: 490507

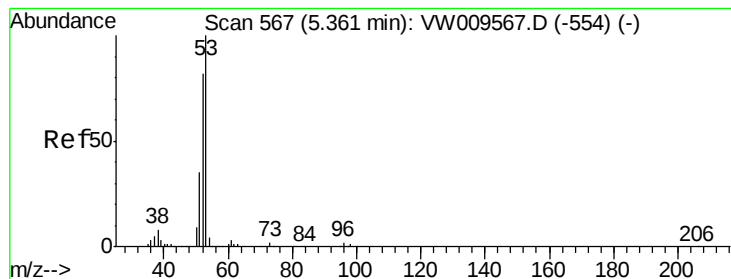
Ion Ratio Lower Upper

41 100

39 82.8 63.8 95.6

76 33.8 27.8 41.6





#15

Acrylonitrile

Concen: 519.416 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

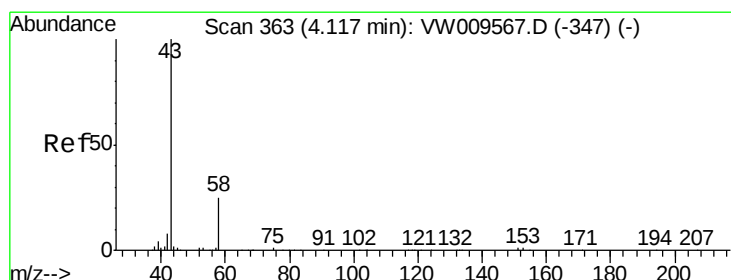
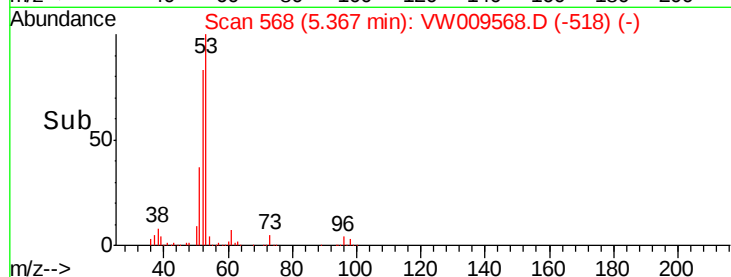
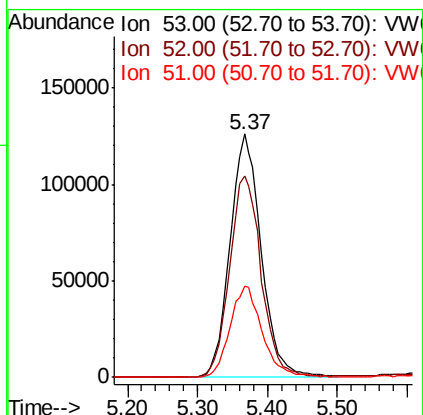
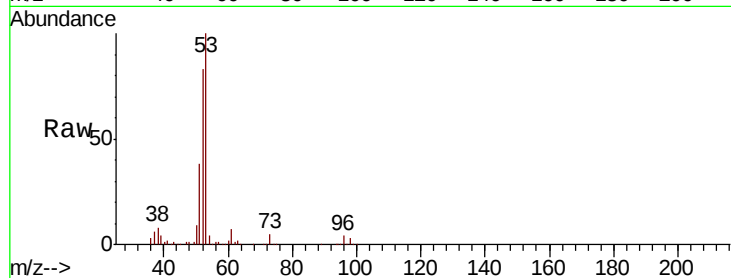
Tgt Ion: 53 Resp: 390173

Ion Ratio Lower Upper

53 100

52 84.0 67.6 101.4

51 38.7 30.6 45.8



#16

Acetone

Concen: 469.101 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW009568.D

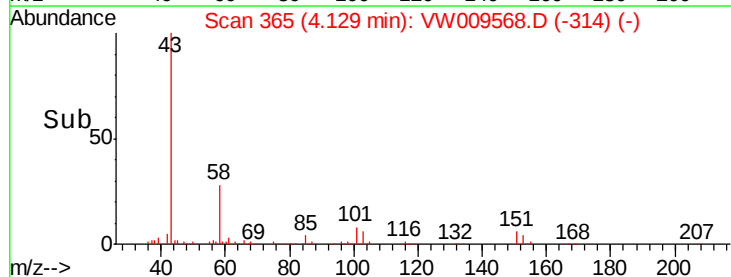
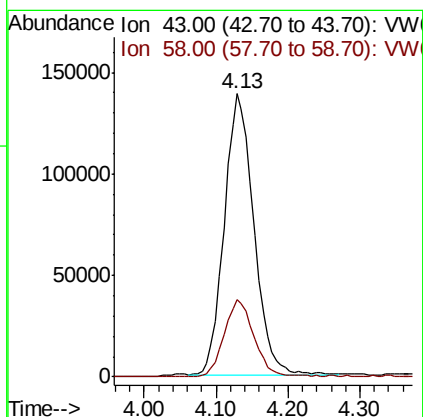
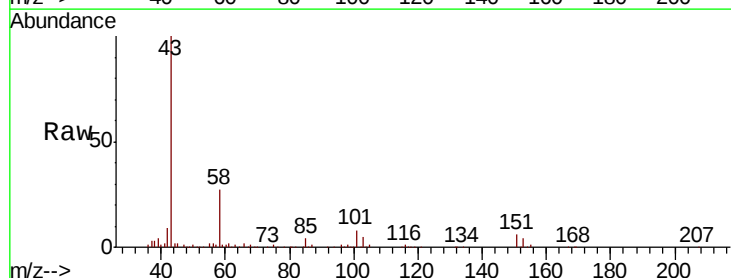
Acq: 29 Mar 2019 11:43

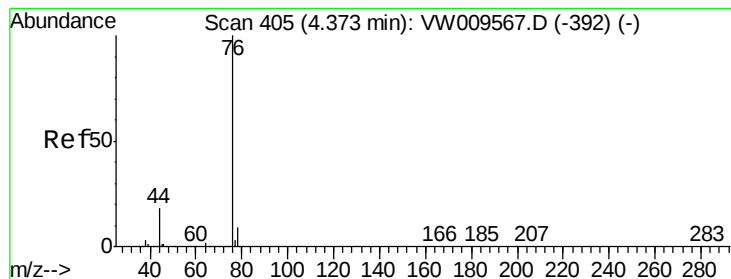
Tgt Ion: 43 Resp: 394446

Ion Ratio Lower Upper

43 100

58 27.2 23.6 35.4





#17

Carbon Disulfide

Concen: 97.468 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

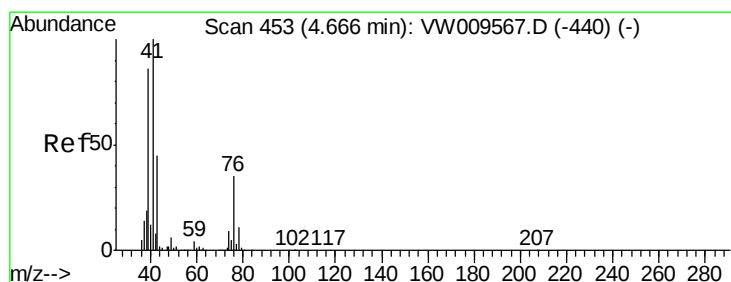
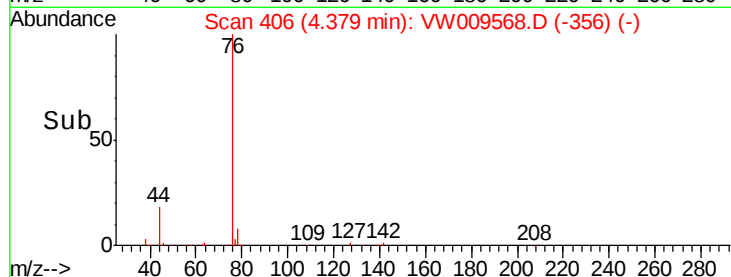
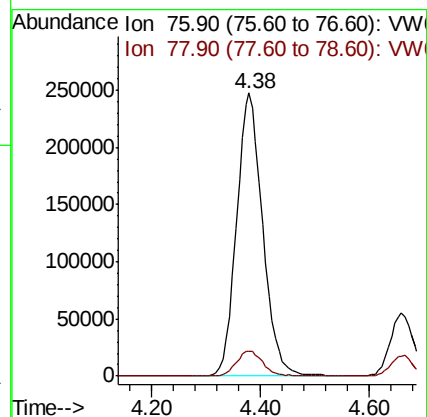
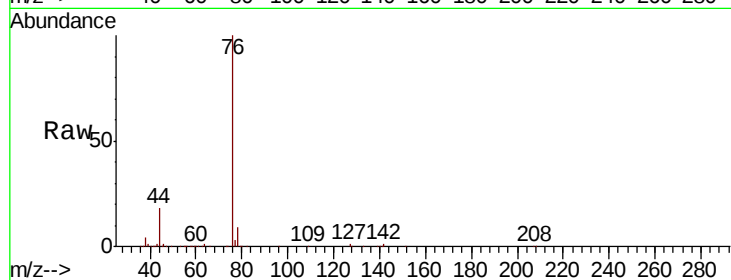
VSTDIC100

Tgt Ion: 76 Resp: 827551

Ion Ratio Lower Upper

76 100

78 8.6 6.6 9.8



#18

Methyl Acetate

Concen: 106.126 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW009568.D

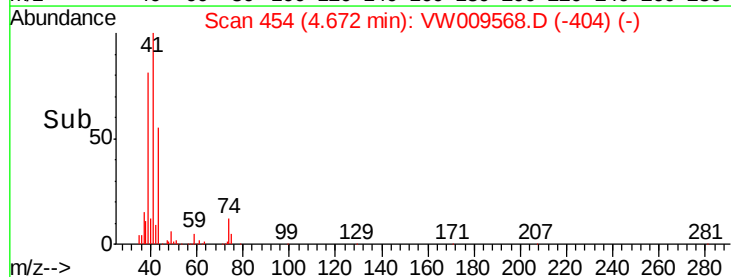
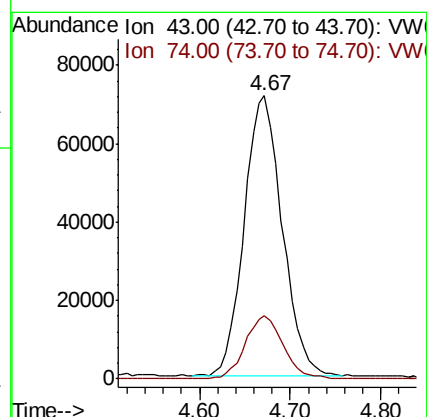
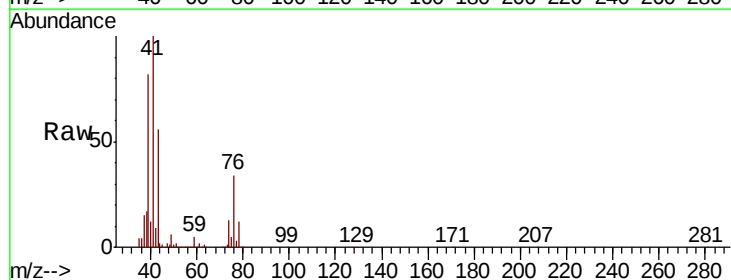
Acq: 29 Mar 2019 11:43

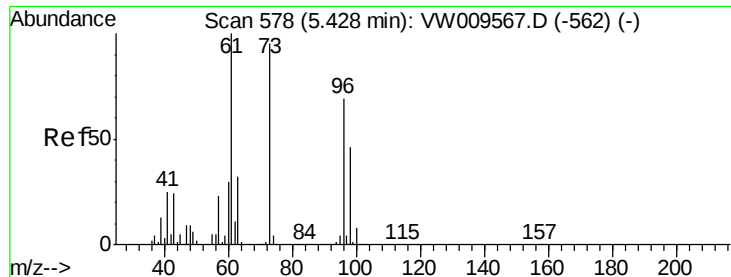
Tgt Ion: 43 Resp: 208433

Ion Ratio Lower Upper

43 100

74 22.4 17.7 26.5

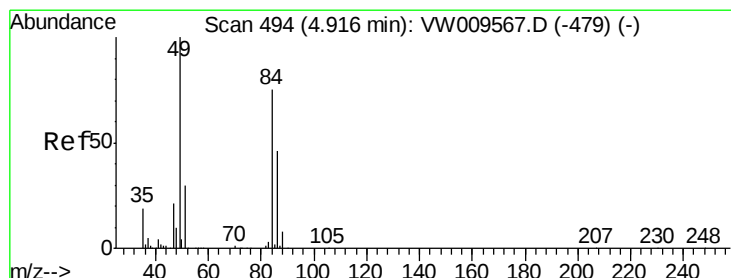
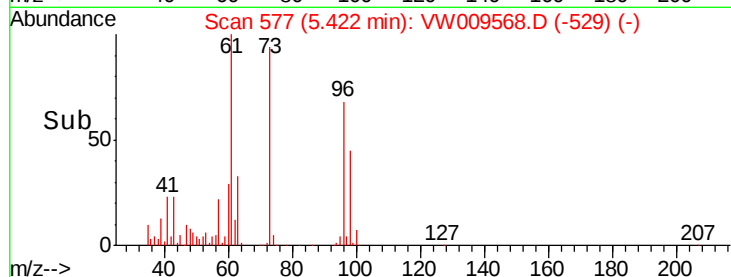
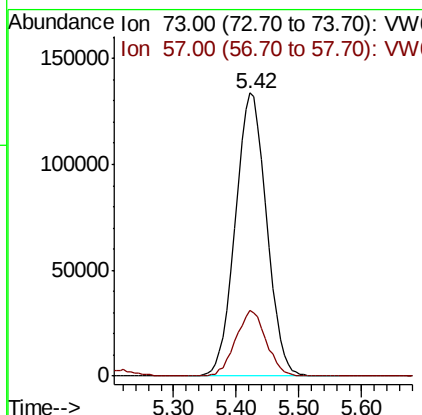
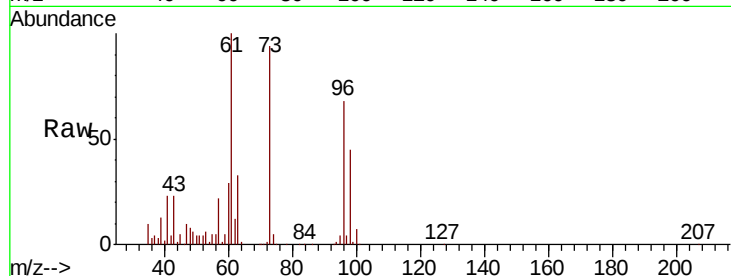




#19
Methyl tert-butyl Ether
Concen: 105.050 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

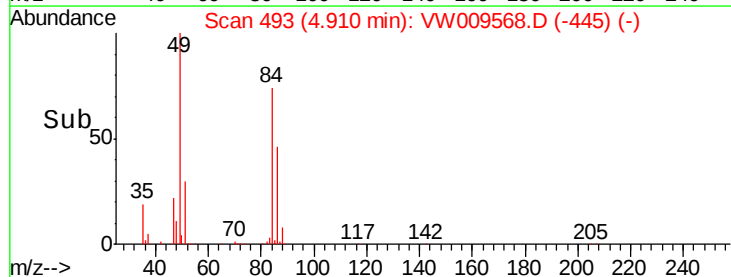
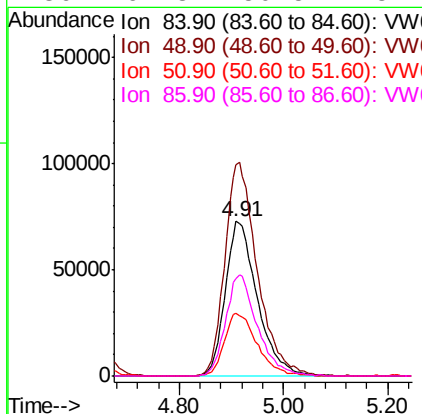
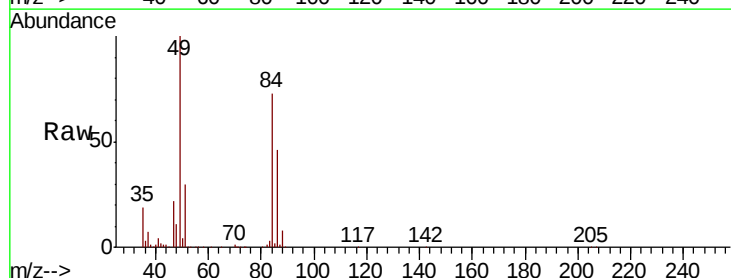
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

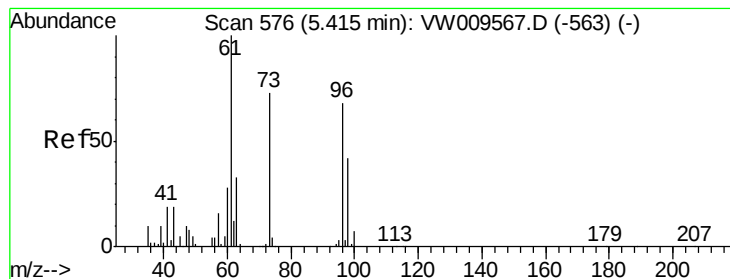
Tgt Ion: 73 Resp: 461358
Ion Ratio Lower Upper
73 100
57 23.2 17.0 25.6



#20
Methylene Chloride
Concen: 94.424 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Tgt Ion: 84 Resp: 313265
Ion Ratio Lower Upper
84 100
49 136.6 99.1 148.7
51 40.8 28.7 43.1
86 62.8 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 98.016 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

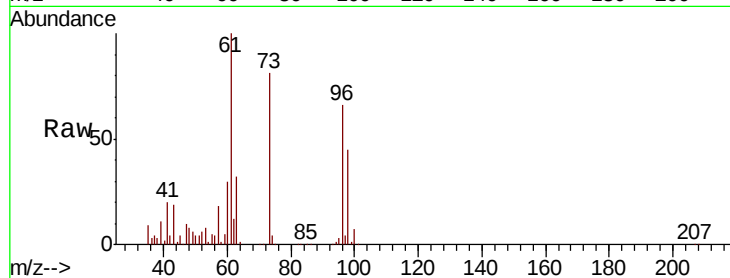
Tgt Ion: 96 Resp: 320177

Ion Ratio Lower Upper

96 100

61 150.6 108.2 162.4

98 68.5 50.9 76.3

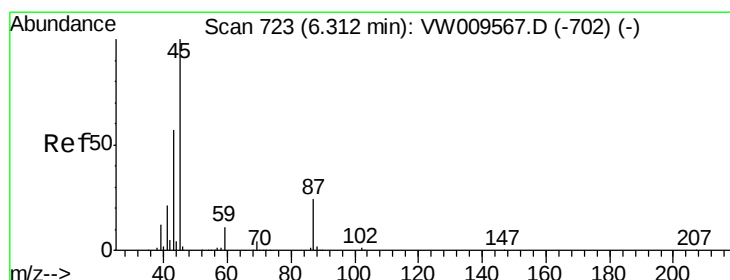
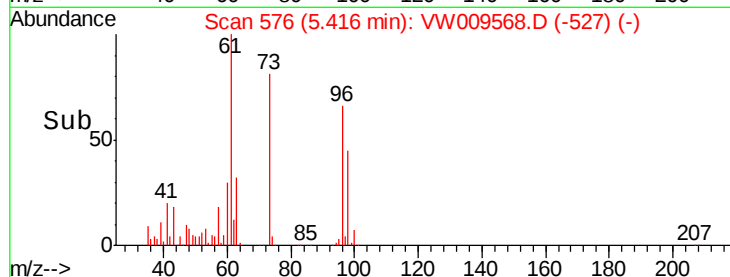
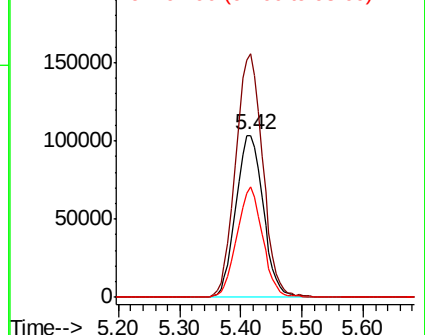


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 102.427 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Tgt Ion: 45 Resp: 1121891

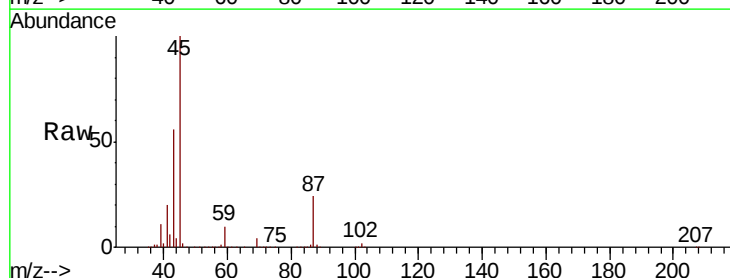
Ion Ratio Lower Upper

45 100

43 55.6 47.9 71.9

87 24.4 20.6 30.8

59 10.1 9.0 13.4



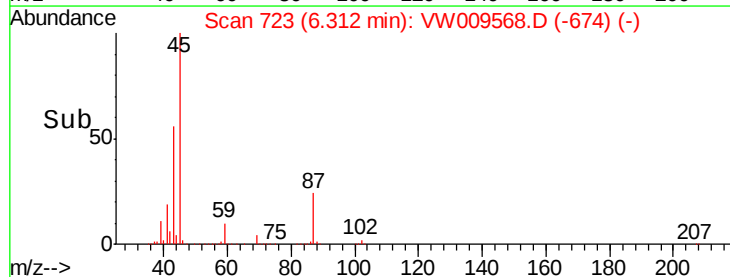
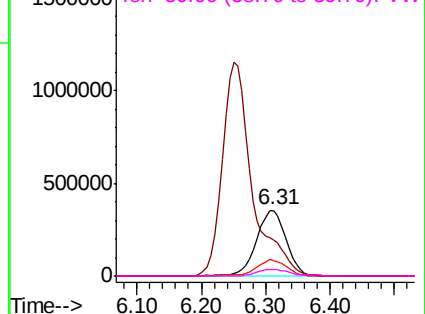
Abundance

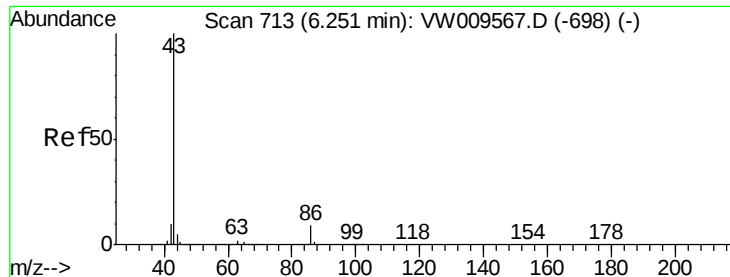
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 543.105 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

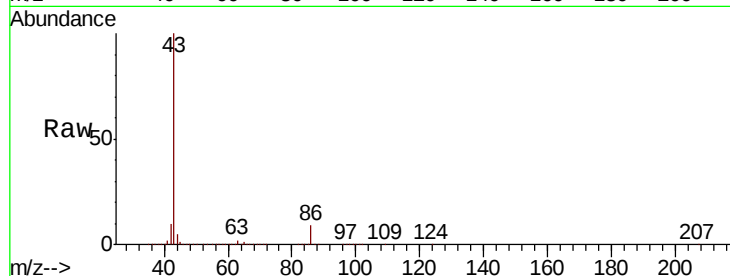
VSTDIC100

Tgt Ion: 43 Resp: 3748879

Ion Ratio Lower Upper

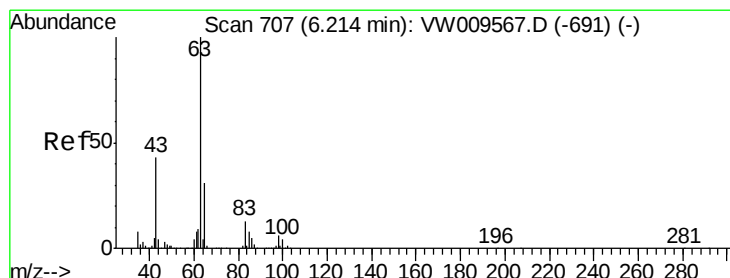
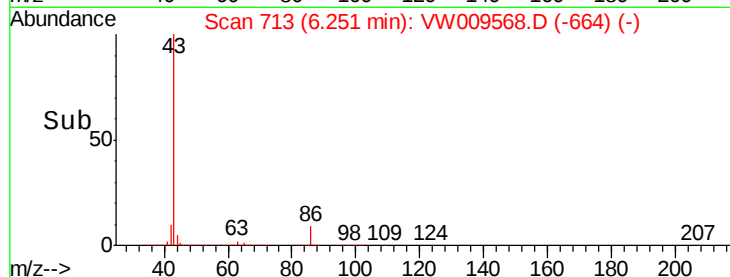
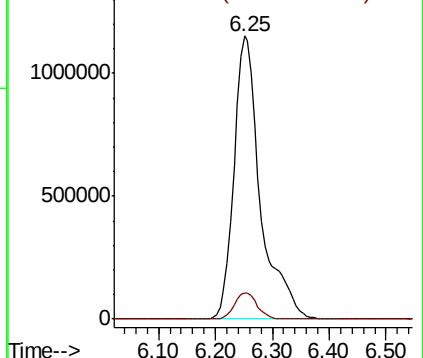
43 100

86 9.4 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 97.833 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

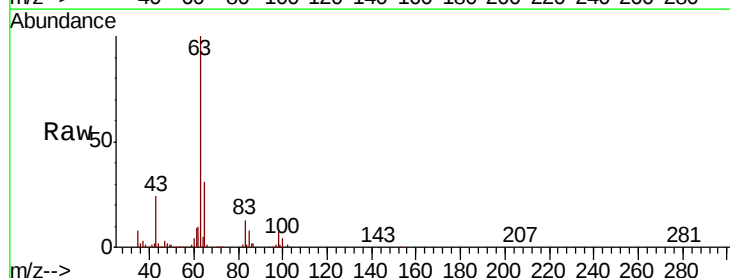
Tgt Ion: 63 Resp: 627821

Ion Ratio Lower Upper

63 100

98 7.0 3.7 11.1

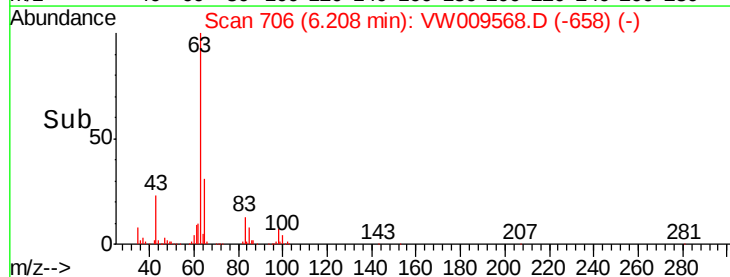
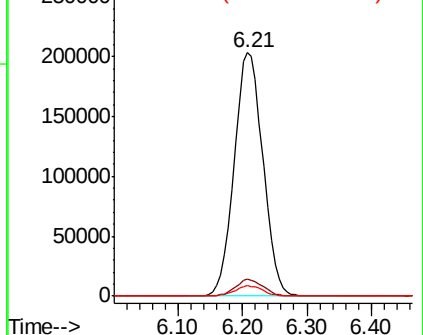
100 4.2 2.4 7.1

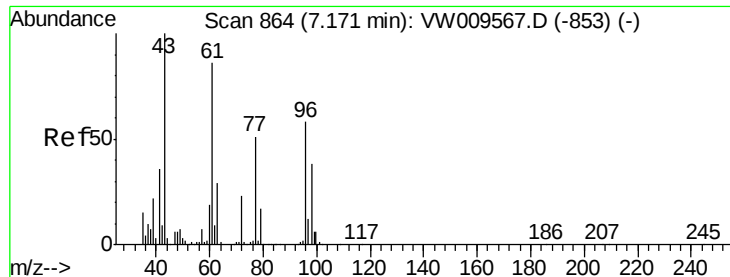


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 543.001 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampled :

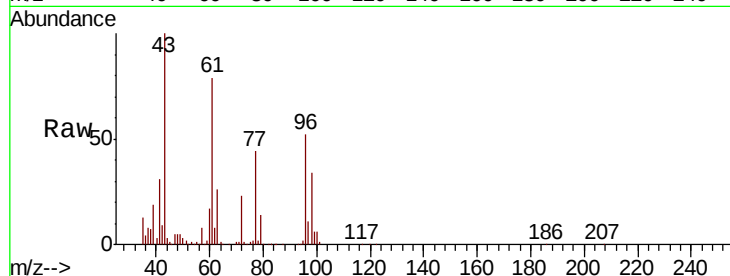
VSTDIC100

Tgt Ion: 43 Resp: 621620

Ion Ratio Lower Upper

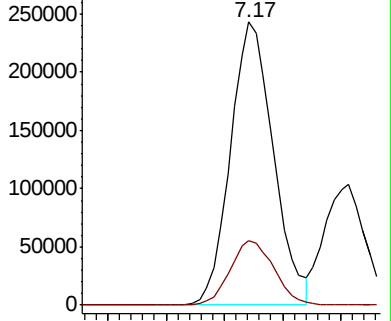
43 100

72 22.9 20.0 30.0

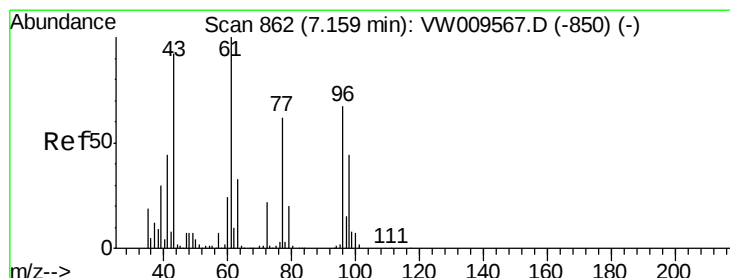
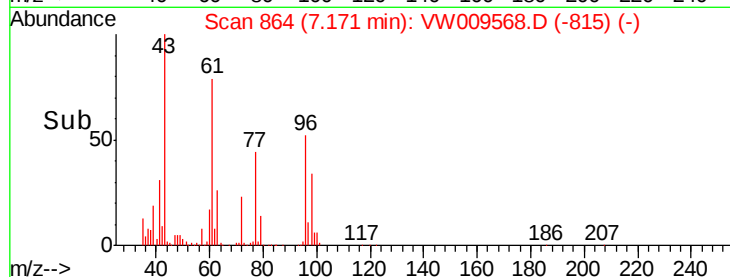


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



Time-->



#26

2,2-Dichloropropane

Concen: 95.055 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW009568.D

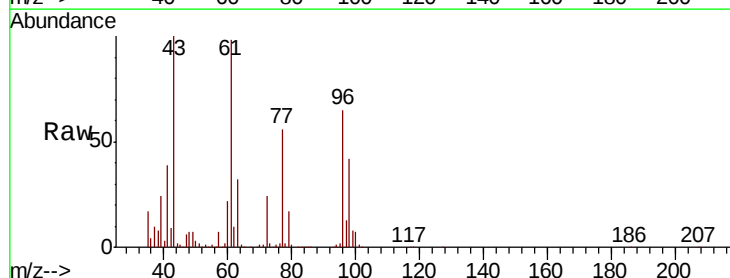
Acq: 29 Mar 2019 11:43

Tgt Ion: 77 Resp: 349002

Ion Ratio Lower Upper

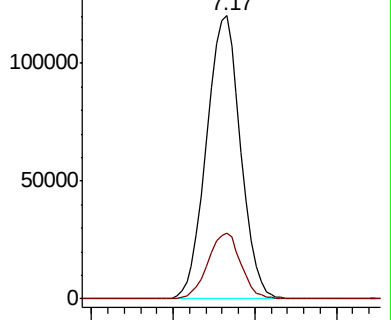
77 100

97 22.4 11.6 34.7

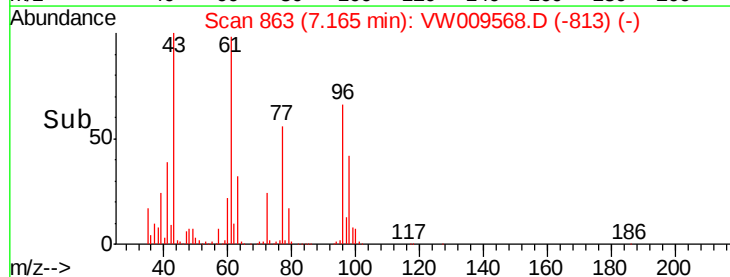


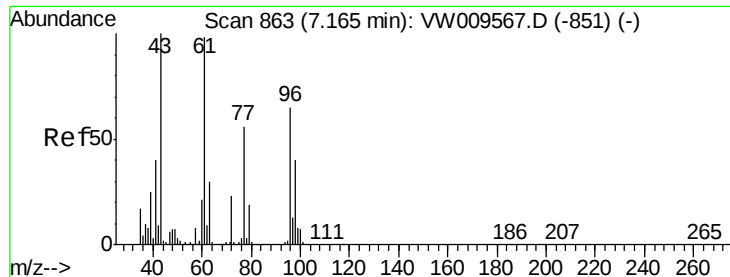
Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



Time-->



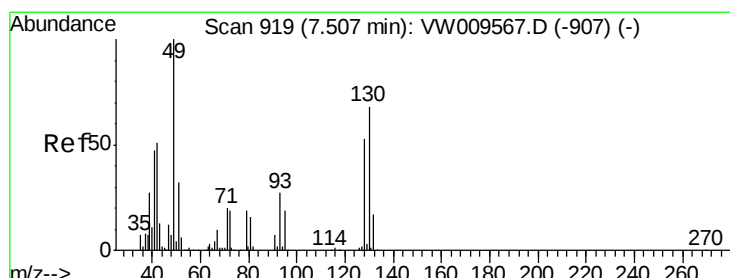
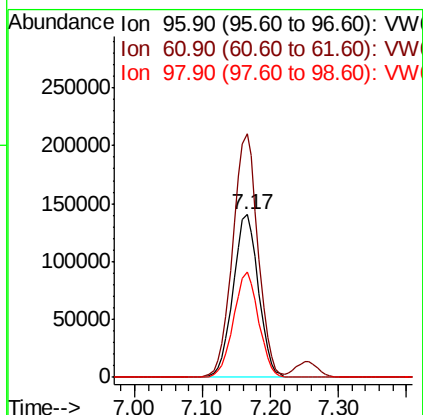
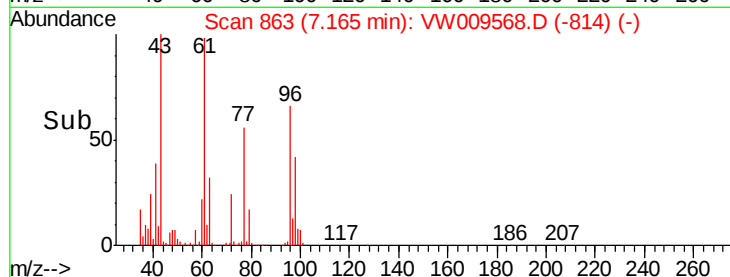
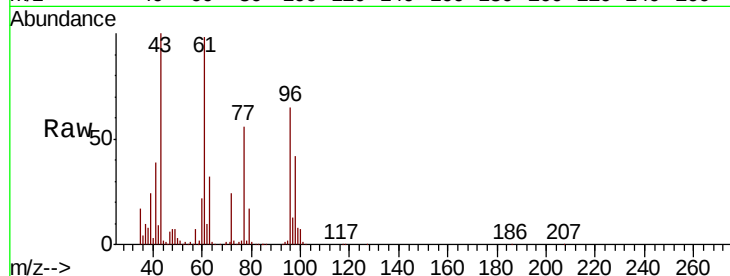


#27

cis-1,2-Dichloroethene
Concen: 100.472 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

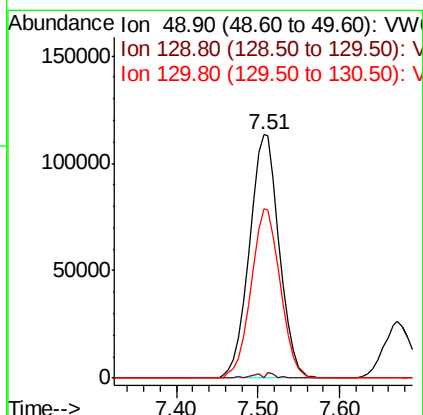
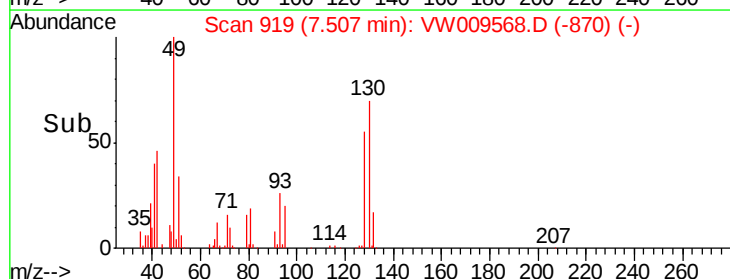
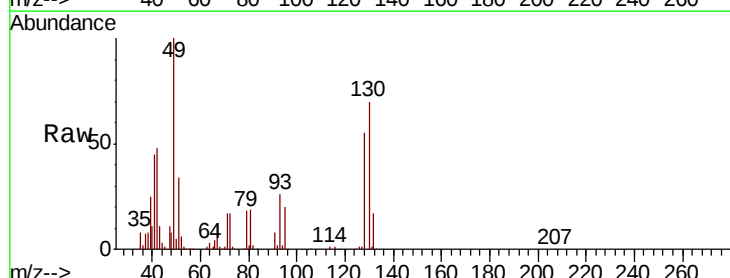
Tgt Ion: 96 Resp: 363523
Ion Ratio Lower Upper
96 100
61 149.2 0.0 289.8
98 64.0 0.0 130.8

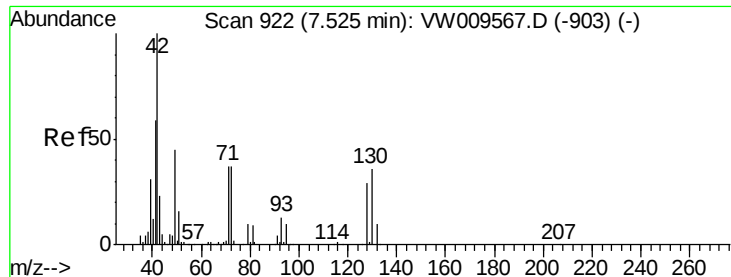


#28

Bromochloromethane
Concen: 106.776 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Tgt Ion: 49 Resp: 289144
Ion Ratio Lower Upper
49 100
129 0.7 0.0 1.4
130 68.1 58.6 88.0

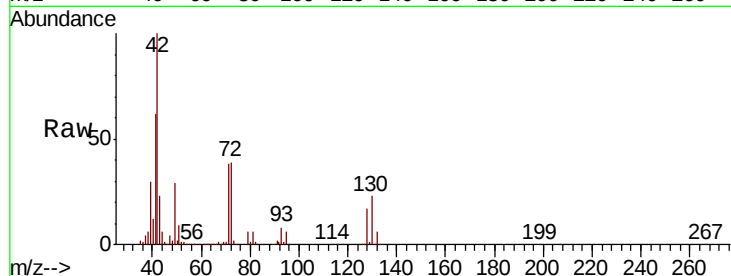




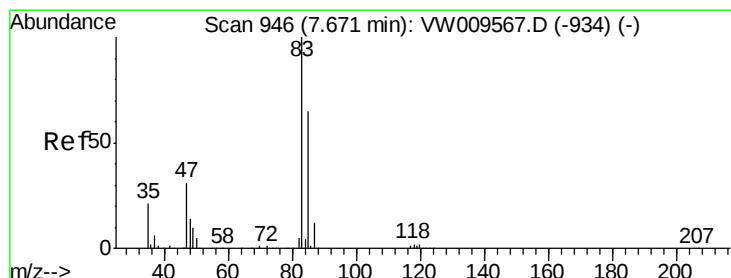
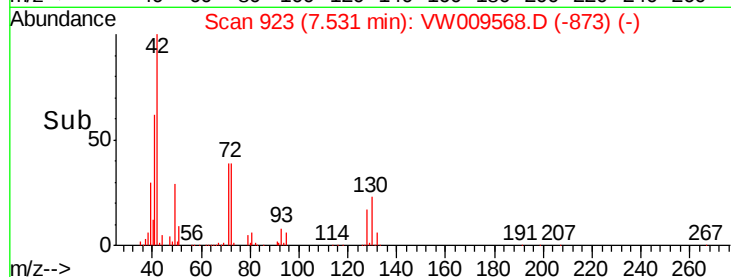
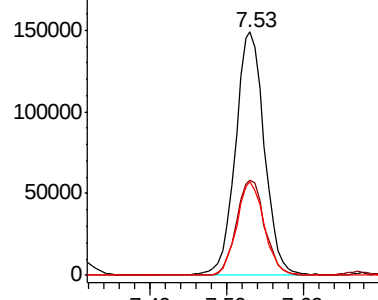
#29
Tetrahydrofuran
Concen: 546.237 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 42 Resp: 391444
Ion Ratio Lower Upper
42 100
72 38.5 32.4 48.6
71 36.8 30.1 45.1

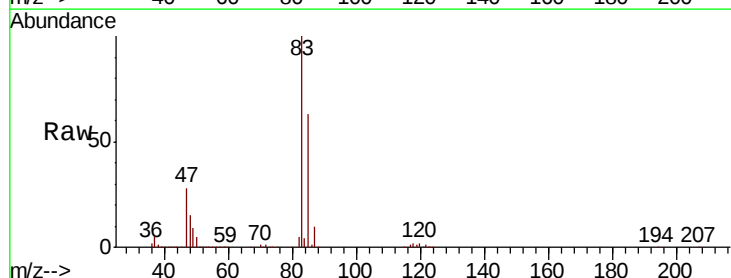


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

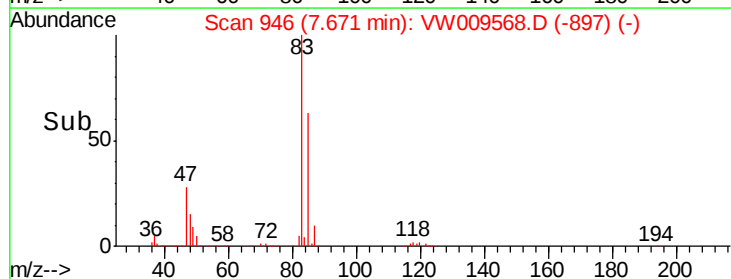
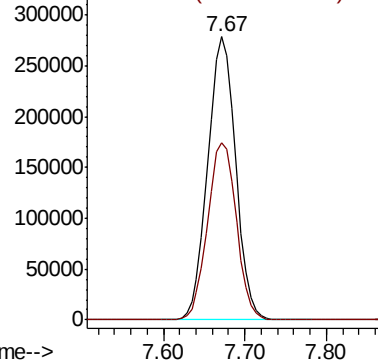


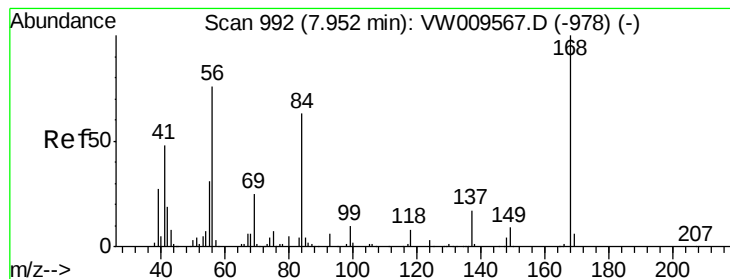
#30
Chloroform
Concen: 99.607 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Tgt Ion: 83 Resp: 657372
Ion Ratio Lower Upper
83 100
85 62.7 51.0 76.6



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 97.595 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

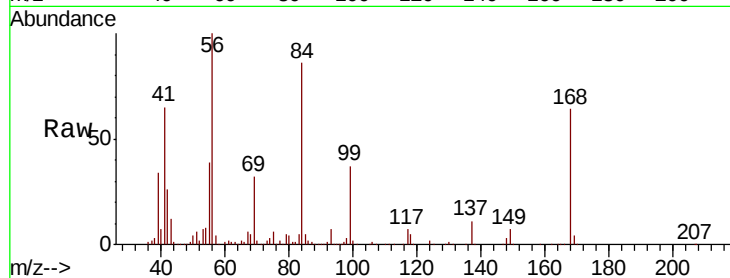
Tgt Ion: 56 Resp: 559092

Ion Ratio Lower Upper

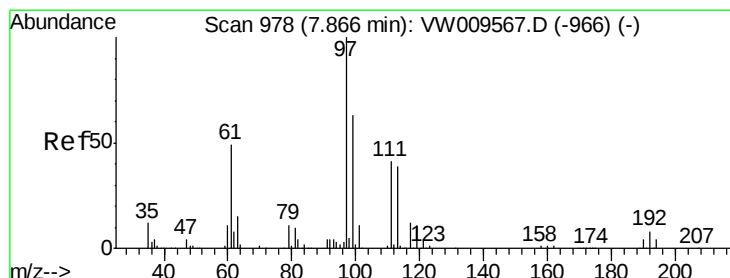
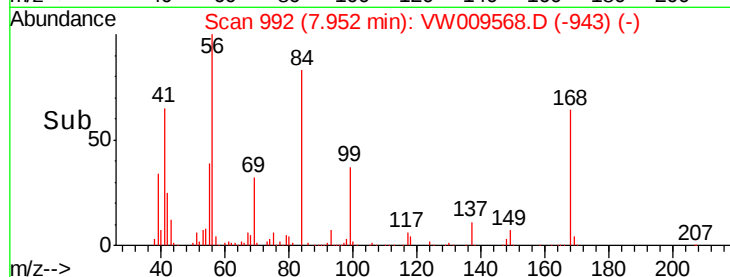
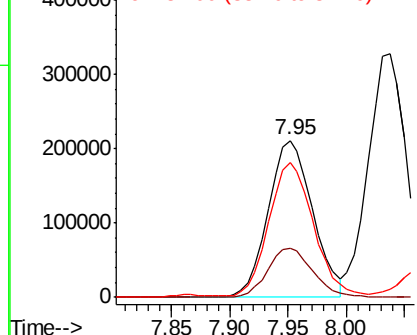
56 100

69 31.6 26.1 39.1

84 84.4 68.6 103.0



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 96.714 ug/l

RT: 7.87 min Scan# 978

Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

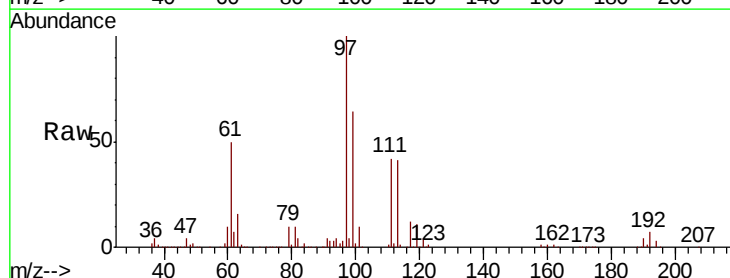
Tgt Ion: 97 Resp: 519787

Ion Ratio Lower Upper

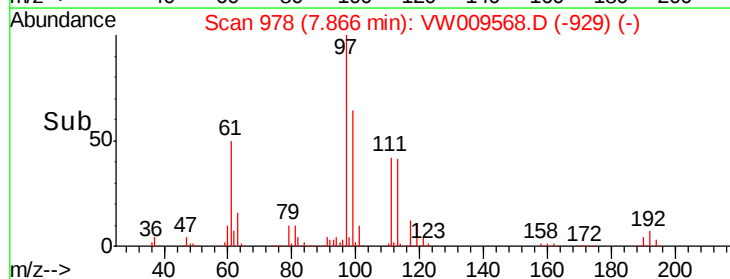
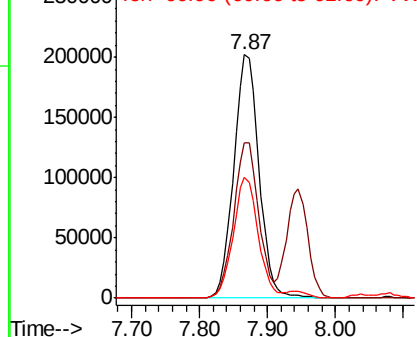
97 100

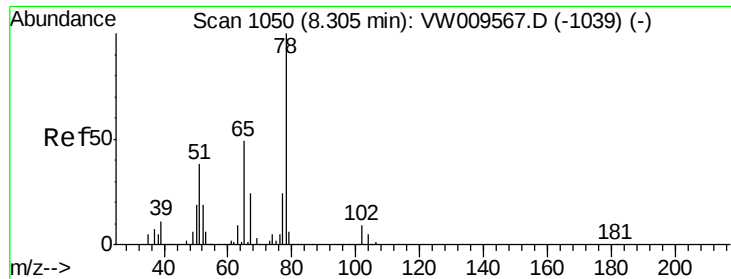
99 63.2 51.9 77.9

61 49.0 36.8 55.2



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW

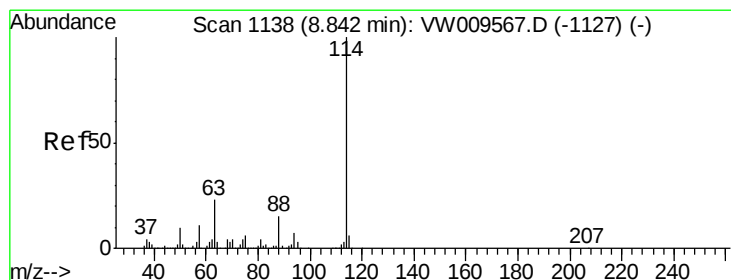
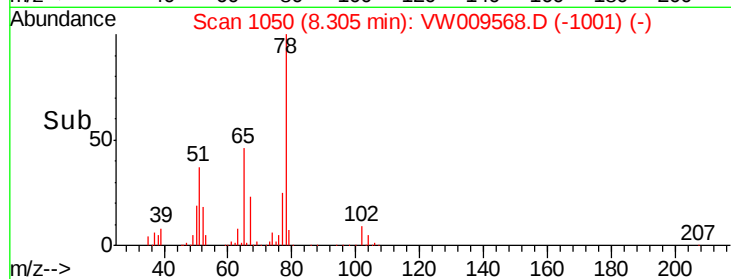
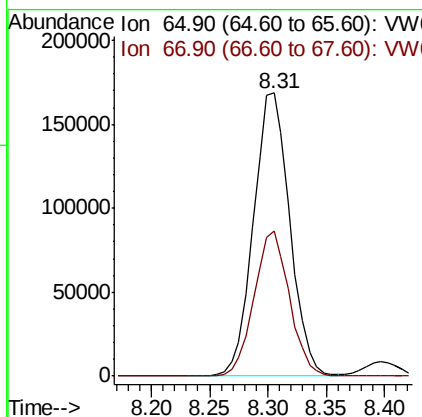
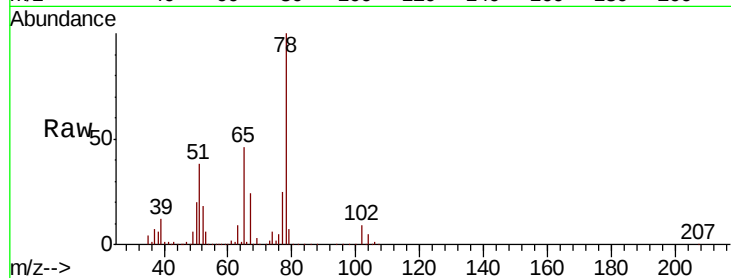




#33
 1,2-Dichloroethane-d4
 Concen: 96.891 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW009568.D
 Acq: 29 Mar 2019 11:43

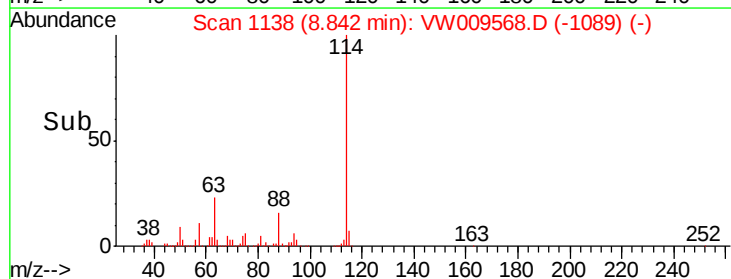
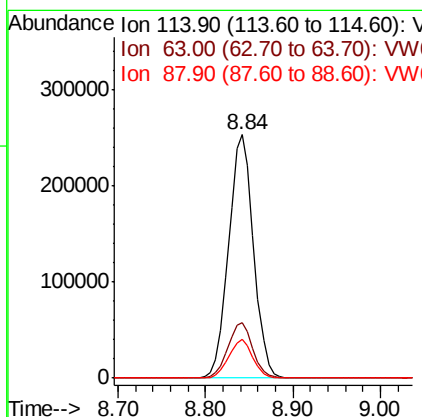
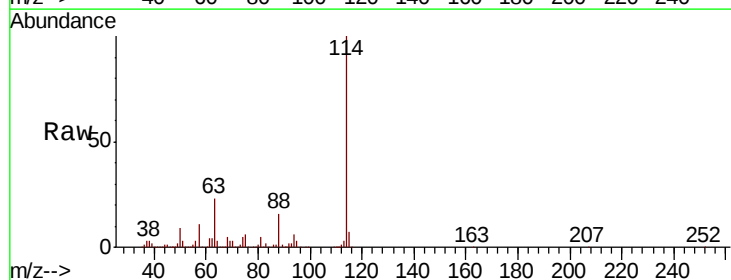
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

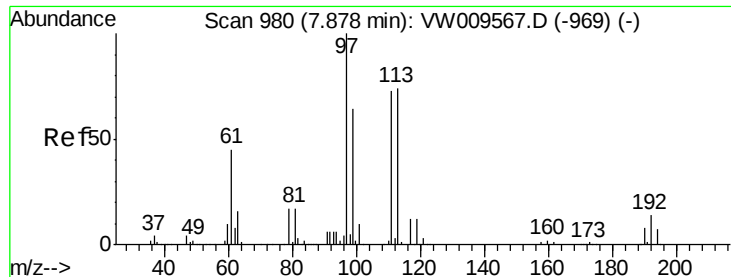
Tgt Ion: 65 Resp: 366135
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009568.D
 Acq: 29 Mar 2019 11:43

Tgt Ion: 114 Resp: 499822
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 42.2
 88 15.9 0.0 30.8

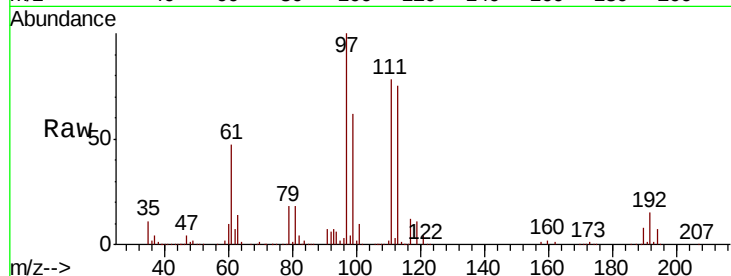




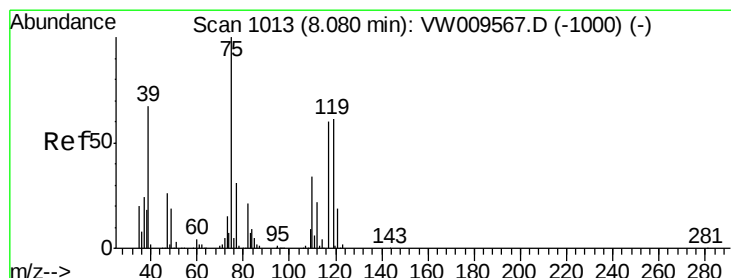
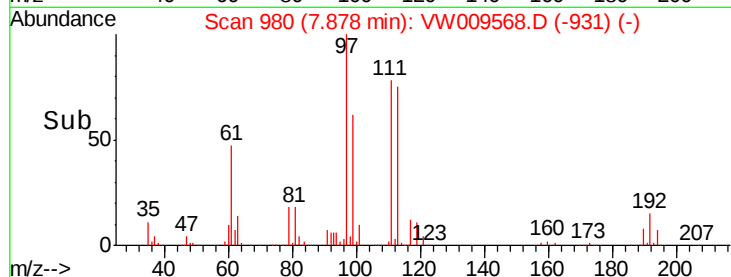
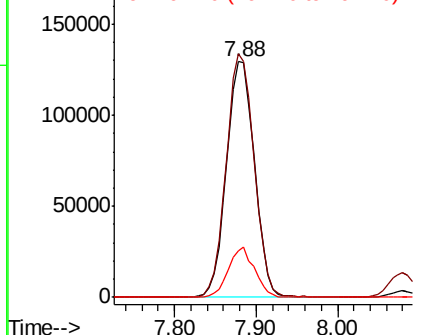
#35
 Dibromofluoromethane
 Concen: 97.228 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW009568.D
 Acq: 29 Mar 2019 11:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tgt Ion:113 Resp: 306787
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.6 124.0
 192 19.8 16.4 24.6

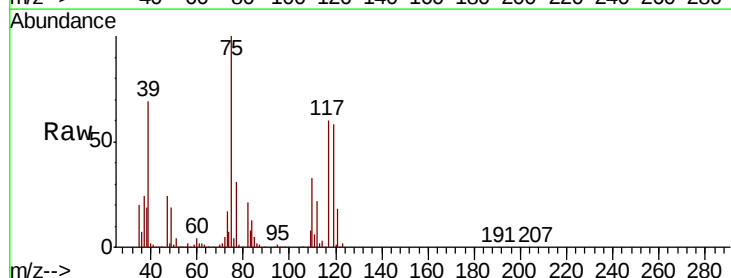


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

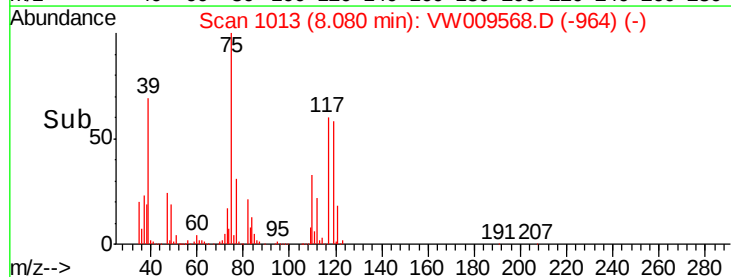
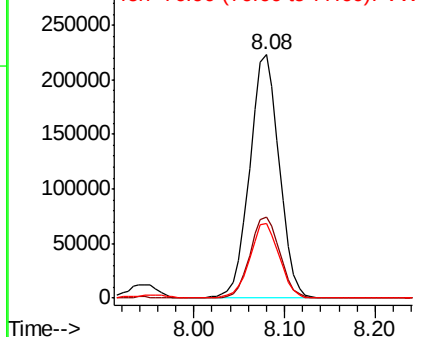


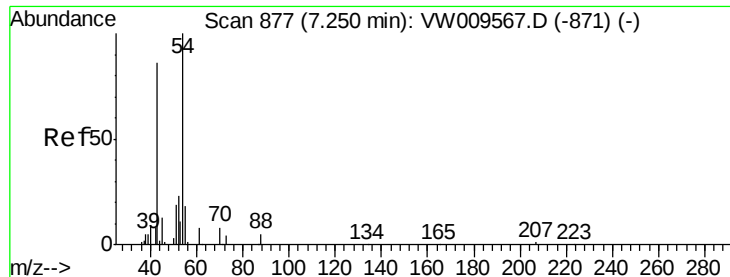
#36
 1,1-Dichloropropene
 Concen: 96.452 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW009568.D
 Acq: 29 Mar 2019 11:43

Tgt Ion: 75 Resp: 501778
 Ion Ratio Lower Upper
 75 100
 110 33.5 16.8 50.4
 77 30.7 24.6 36.8



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

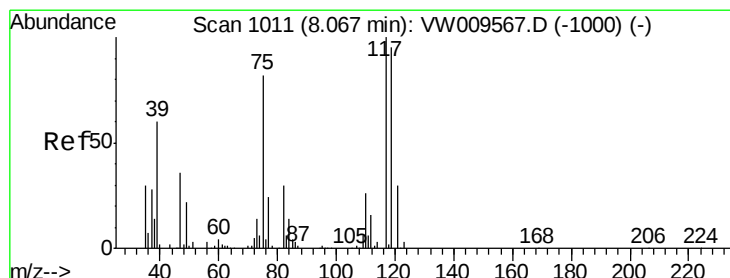
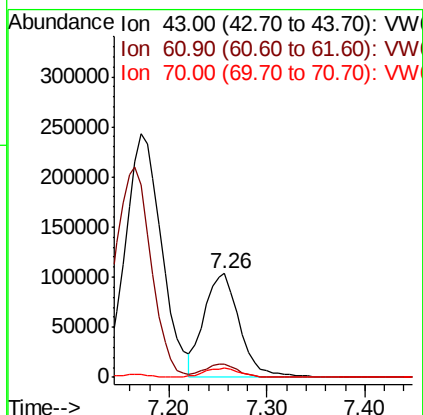
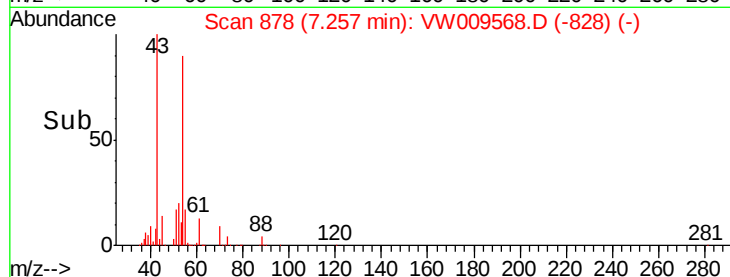
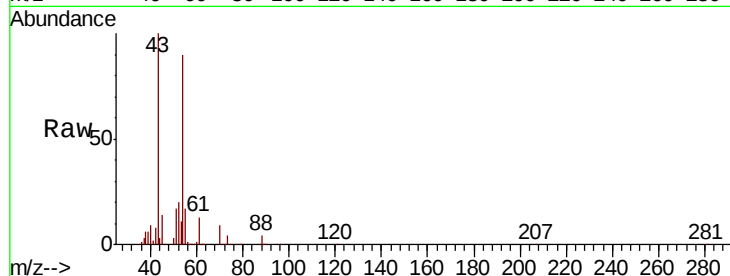




#37
Ethyl Acetate
Concen: 105.346 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

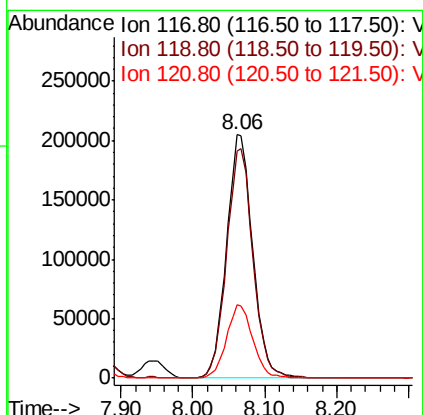
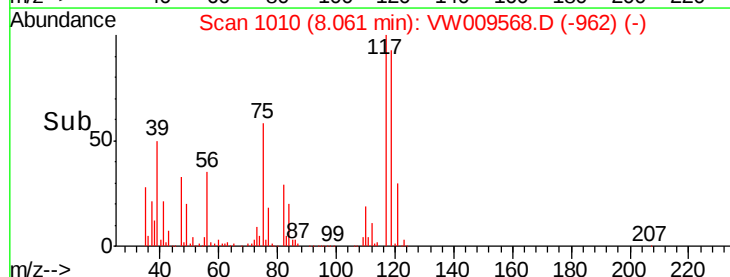
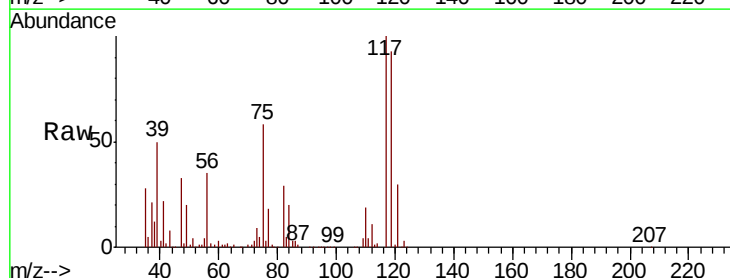
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

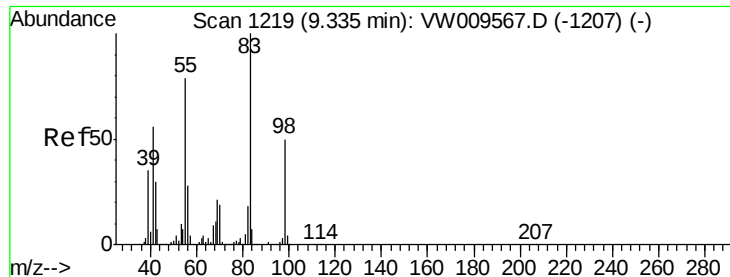
Tgt Ion: 43 Resp: 257436
Ion Ratio Lower Upper
43 100
61 12.7 10.0 15.0
70 8.7 7.3 10.9



#38
Carbon Tetrachloride
Concen: 98.202 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Tgt Ion: 117 Resp: 517277
Ion Ratio Lower Upper
117 100
119 93.2 75.4 113.0
121 30.3 24.9 37.3

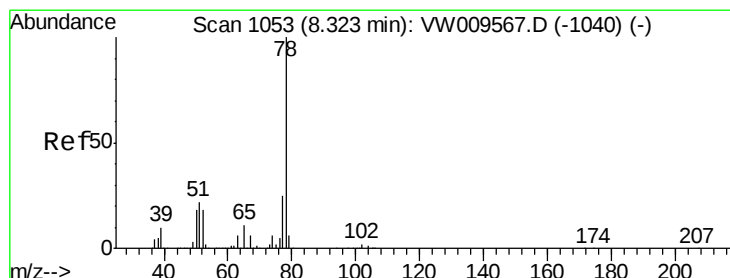
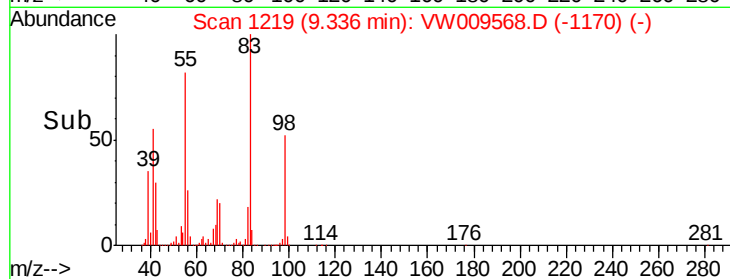
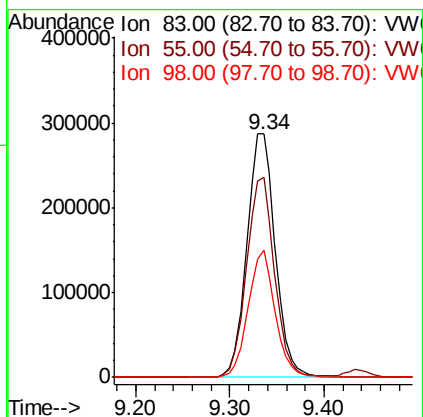
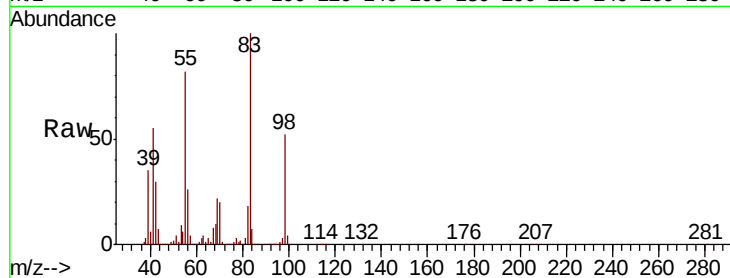




#39
Methylcyclohexane
Concen: 101.583 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

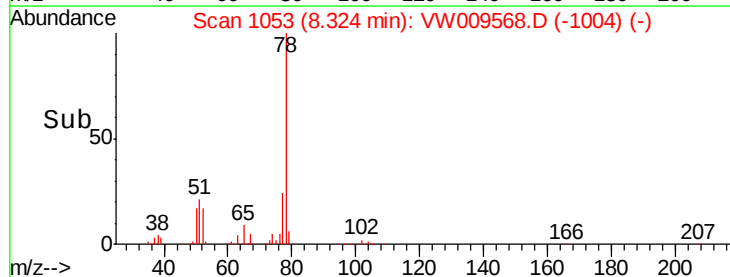
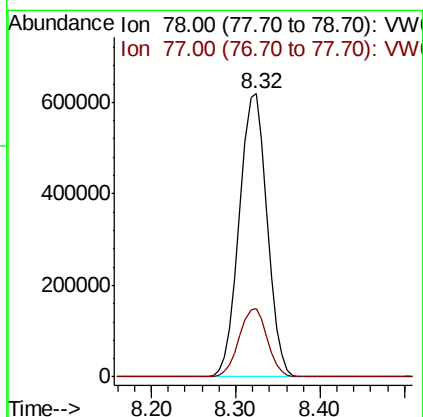
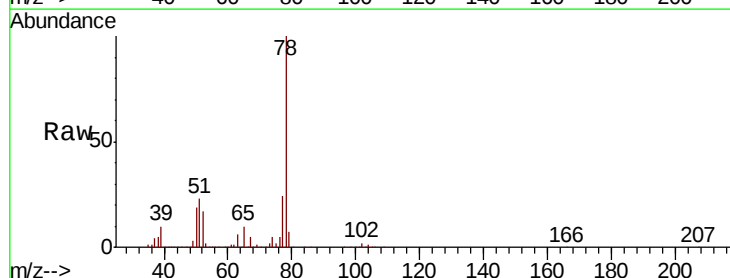
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

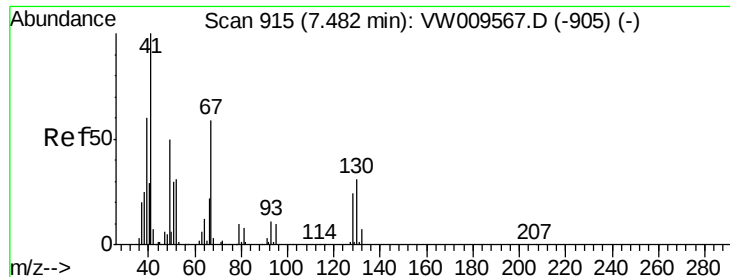
Tgt Ion: 83 Resp: 608880
Ion Ratio Lower Upper
83 100
55 82.0 61.1 91.7
98 52.1 39.0 58.4



#40
Benzene
Concen: 98.009 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Tgt Ion: 78 Resp: 1379015
Ion Ratio Lower Upper
78 100
77 24.0 19.8 29.6





#41

Methacrylonitrile

Concen: 118.261 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tgt Ion: 41 Resp: 171944

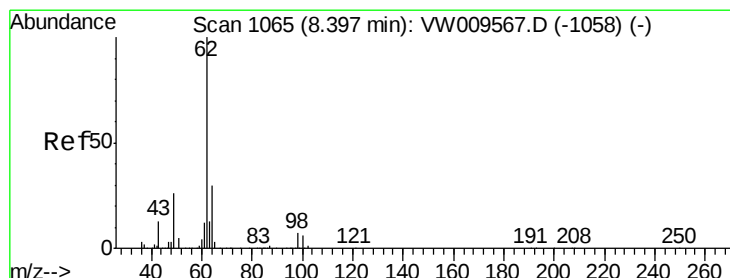
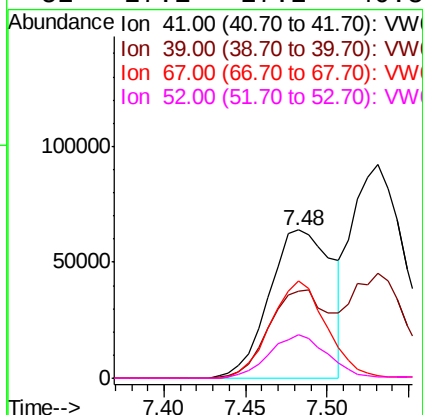
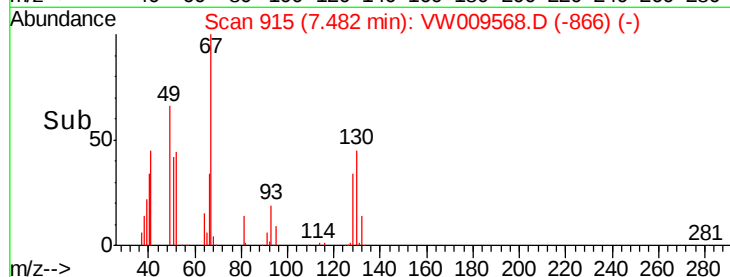
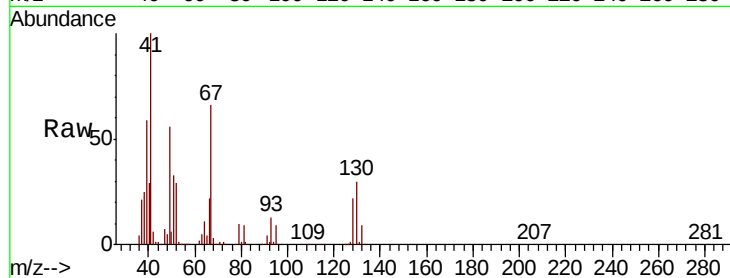
Ion Ratio Lower Upper

41 100

39 58.2 52.5 78.7

67 58.2 56.6 84.8

52 27.1 27.2 40.8#



#42

1,2-Dichloroethane

Concen: 101.457 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW009568.D

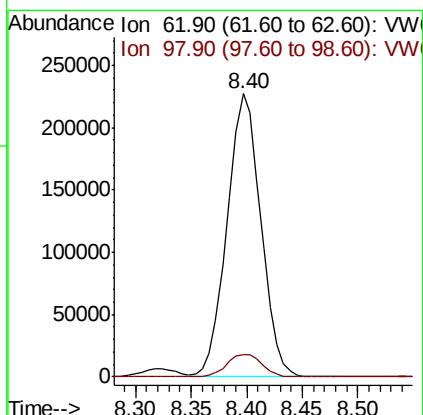
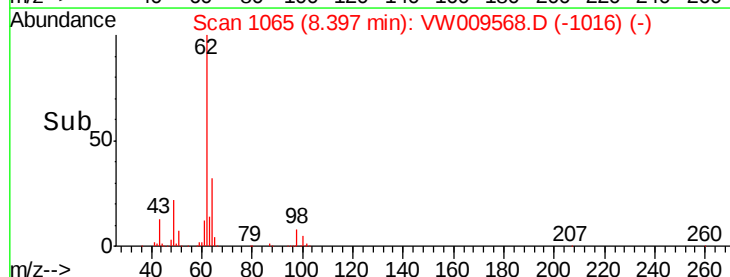
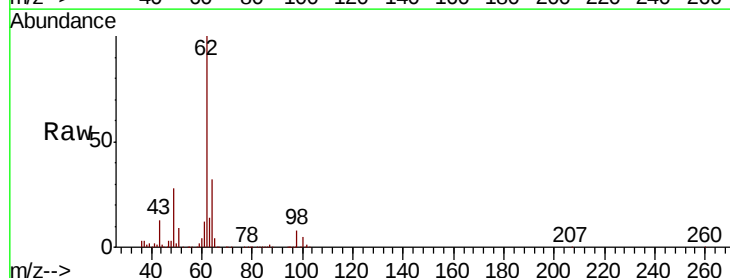
Acq: 29 Mar 2019 11:43

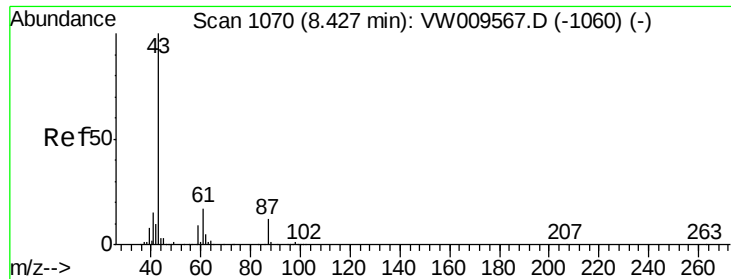
Tgt Ion: 62 Resp: 476424

Ion Ratio Lower Upper

62 100

98 8.4 0.0 17.4





#43

Isopropyl Acetate

Concen: 111.318 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

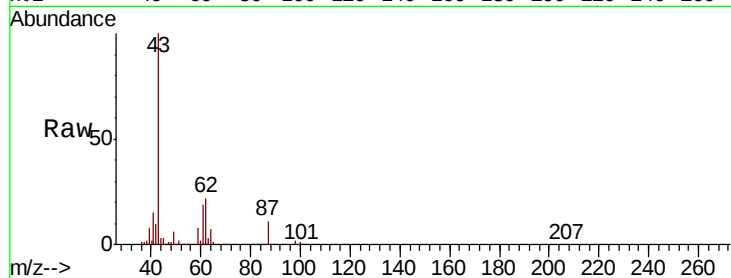
Tgt Ion: 43 Resp: 527074

Ion Ratio Lower Upper

43 100

61 26.8 22.2 33.2

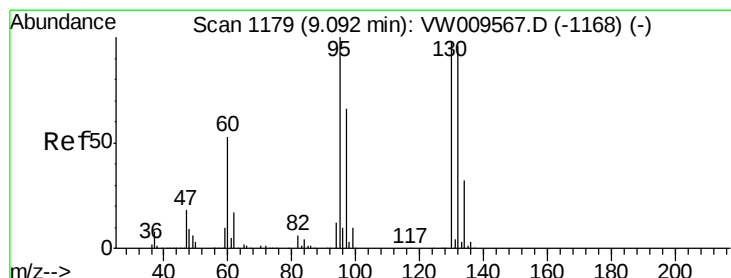
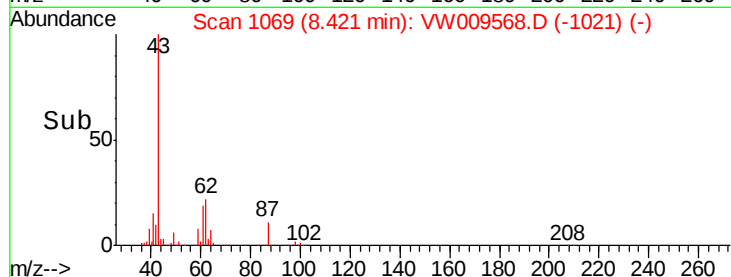
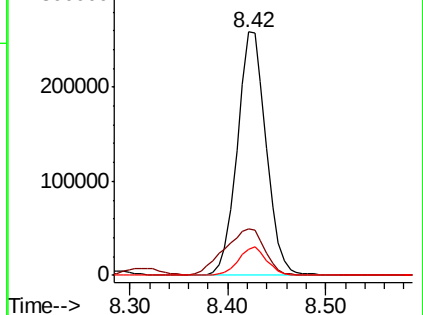
87 11.6 9.6 14.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 98.356 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW009568.D

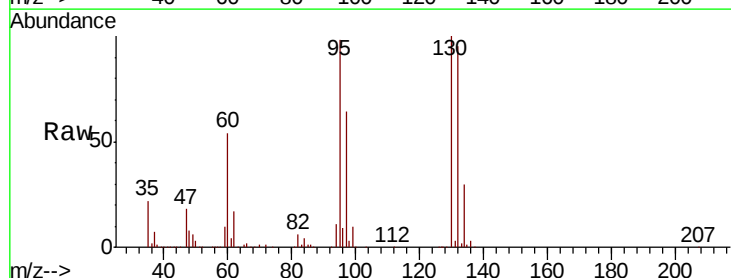
Acq: 29 Mar 2019 11:43

Tgt Ion: 130 Resp: 357180

Ion Ratio Lower Upper

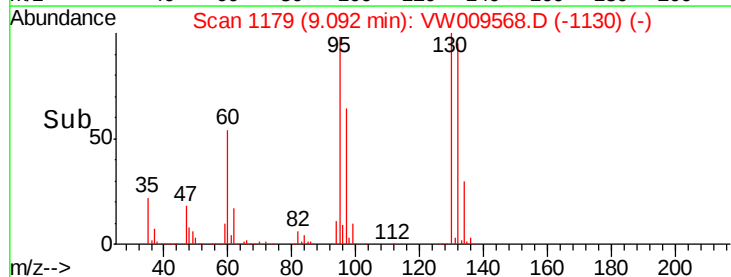
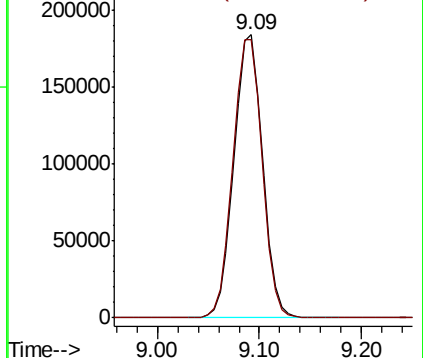
130 100

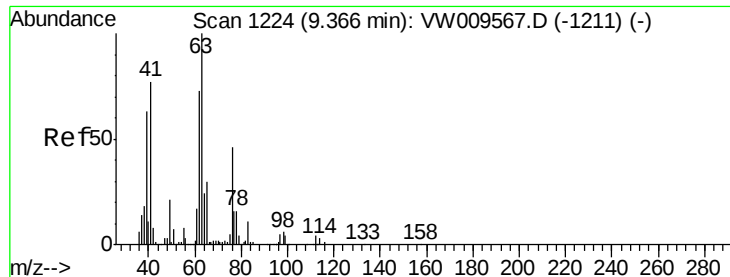
95 98.3 0.0 192.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 97.429 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

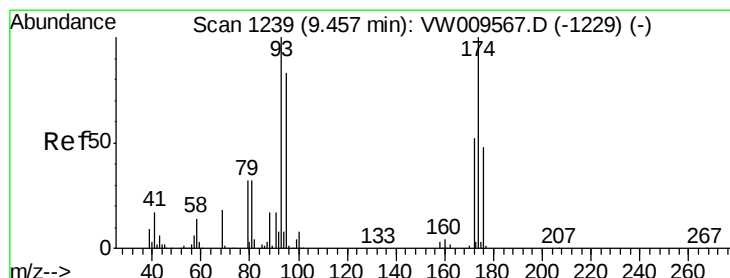
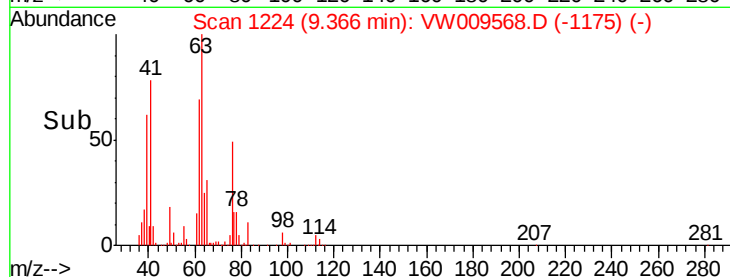
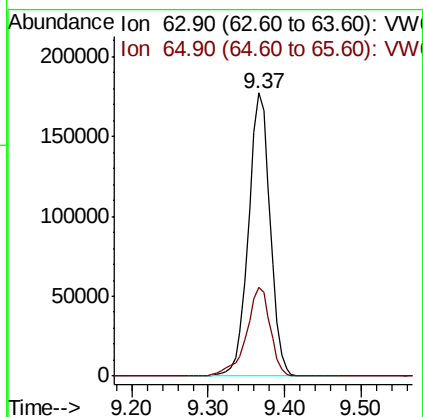
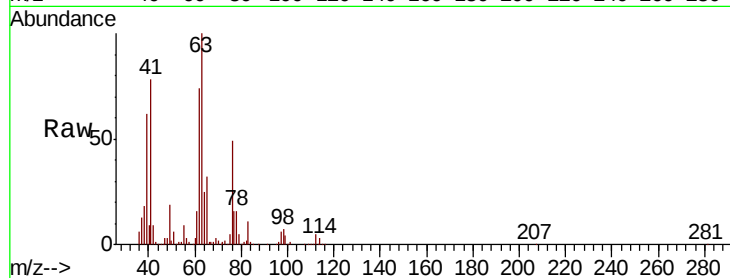
VSTDIC100

Tgt Ion: 63 Resp: 349547

Ion Ratio Lower Upper

63 100

65 31.5 25.8 38.8



#46

Dibromomethane

Concen: 102.681 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

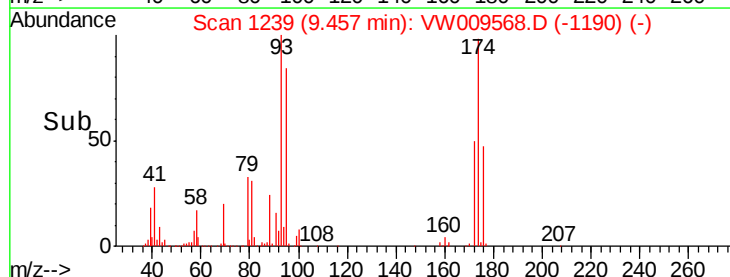
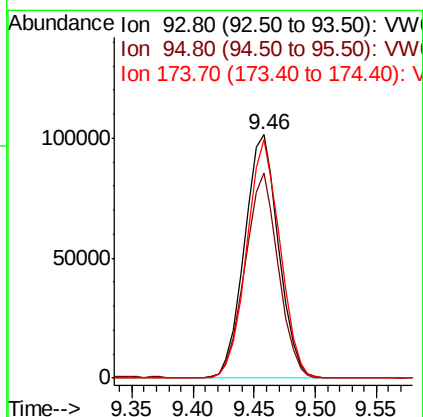
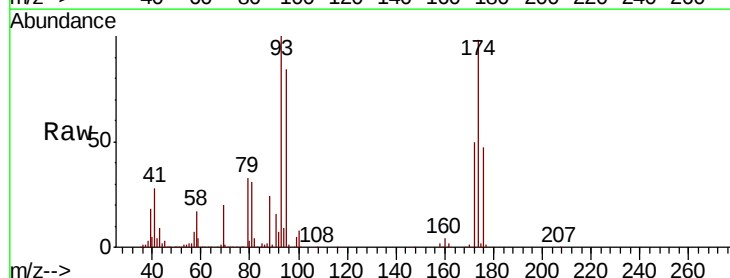
Tgt Ion: 93 Resp: 196958

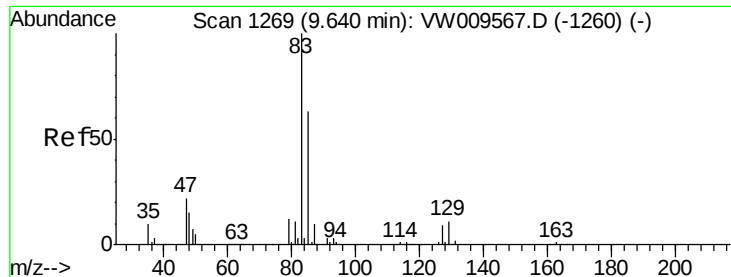
Ion Ratio Lower Upper

93 100

95 82.0 66.9 100.3

174 95.8 80.8 121.2





#47

Bromodichloromethane

Concen: 100.629 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

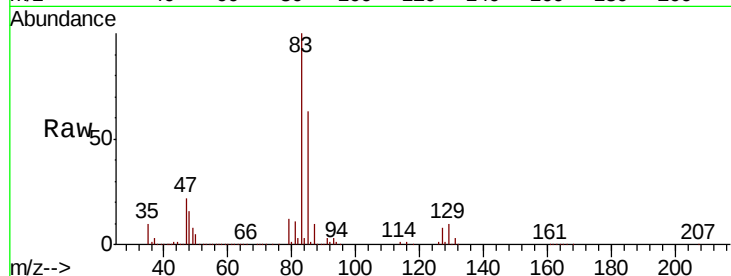
Tgt Ion: 83 Resp: 502874

Ion Ratio Lower Upper

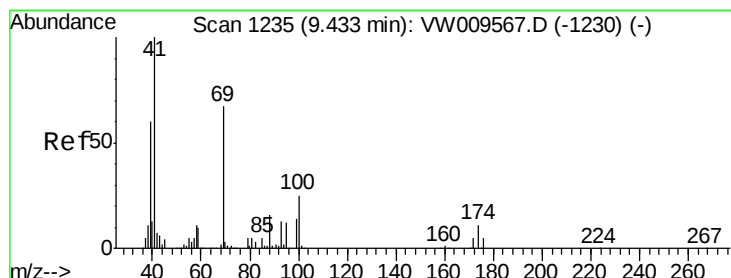
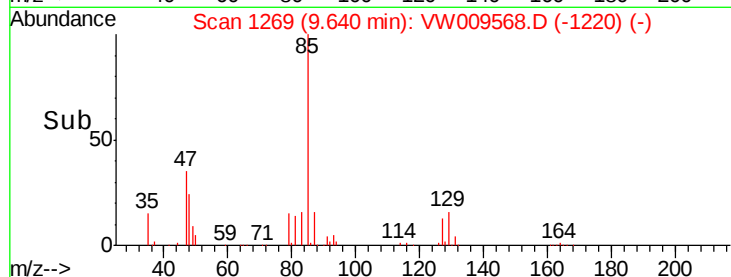
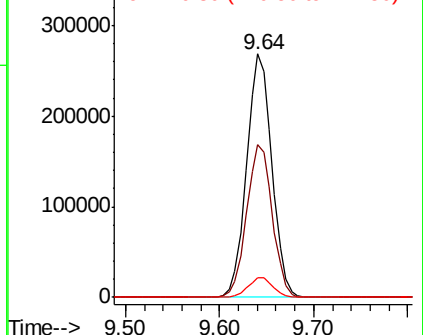
83 100

85 62.5 52.6 79.0

127 7.9 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 109.585 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

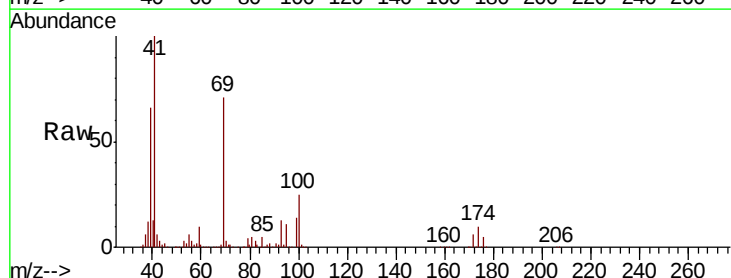
Tgt Ion: 41 Resp: 257268

Ion Ratio Lower Upper

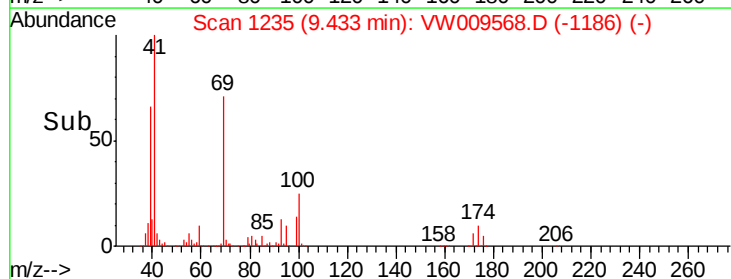
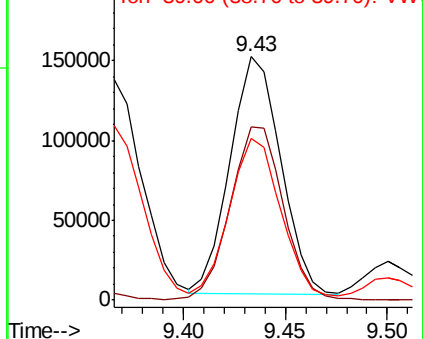
41 100

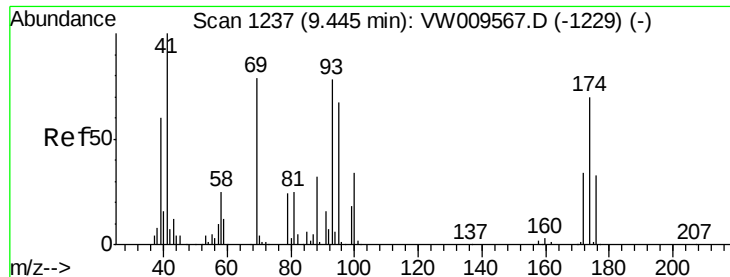
69 76.5 63.0 94.6

39 66.0 57.2 85.8



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 2044.399 ug/l

RT: 9.47 min Scan# 1241

Delta R.T. 0.02 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

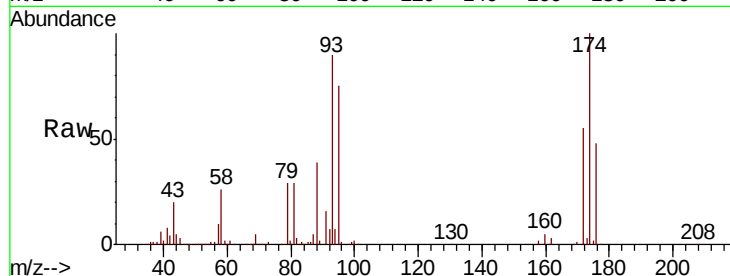
Tgt Ion: 88 Resp: 60633

Ion Ratio Lower Upper

88 100

43 0.0 29.7 44.5#

58 76.5 58.1 87.1

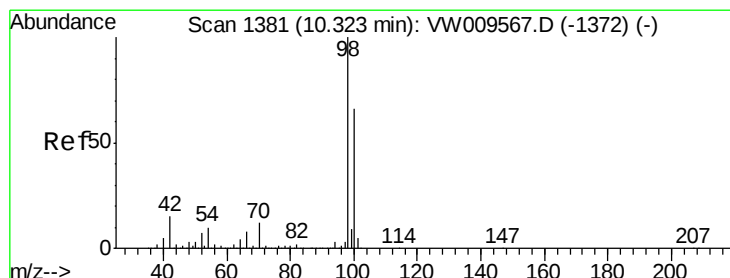
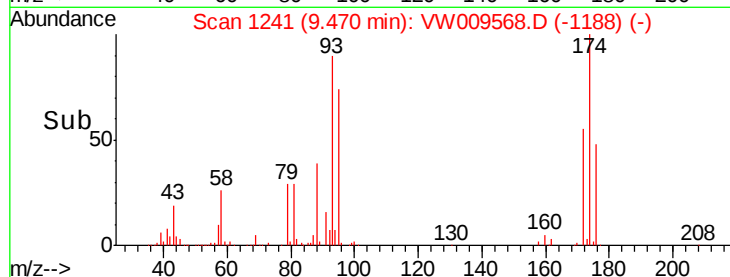
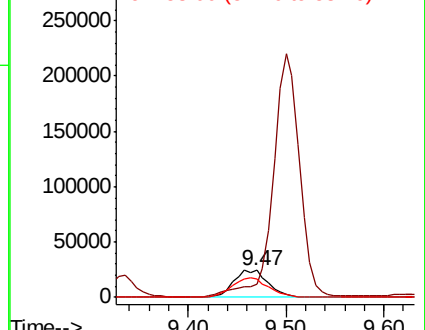


Abundance

Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 96.435 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009568.D

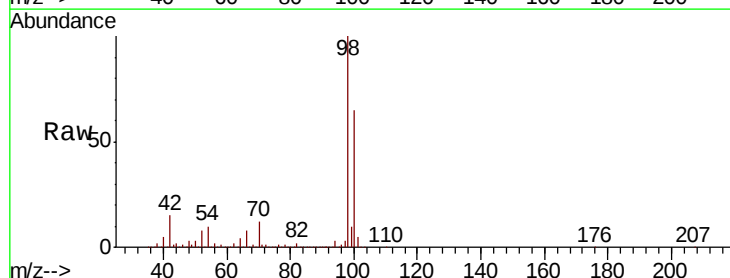
Acq: 29 Mar 2019 11:43

Tgt Ion: 98 Resp: 1174241

Ion Ratio Lower Upper

98 100

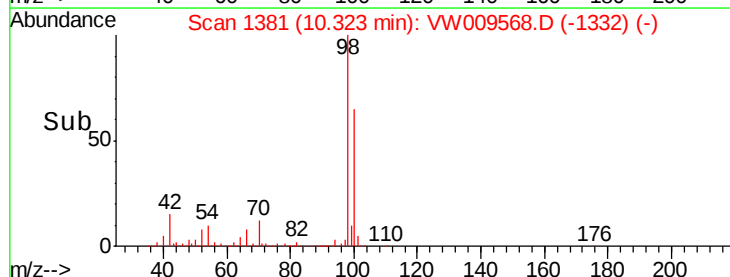
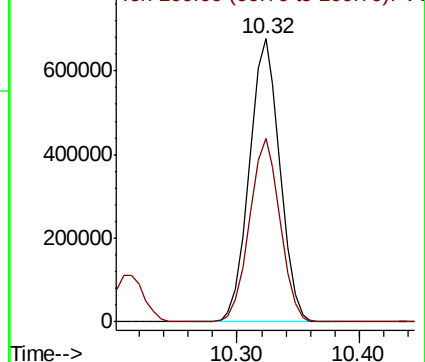
100 64.7 52.6 79.0

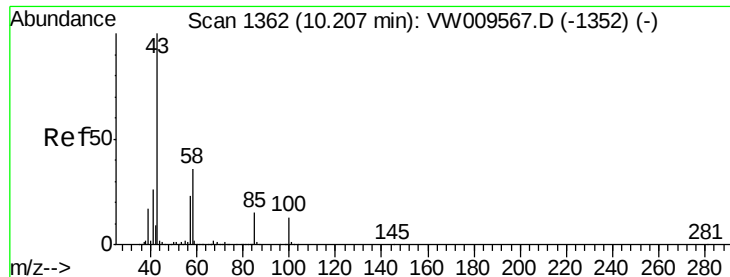


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 550.830 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

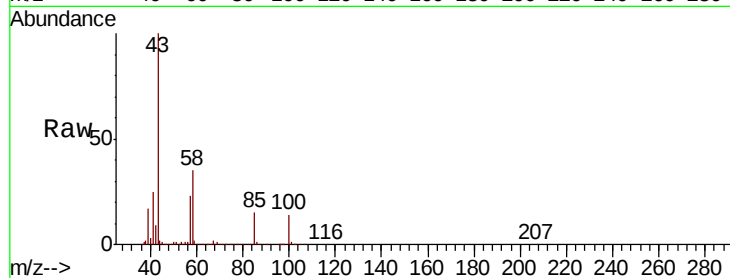
VSTDIC100

Tgt Ion: 43 Resp: 1429668

Ion Ratio Lower Upper

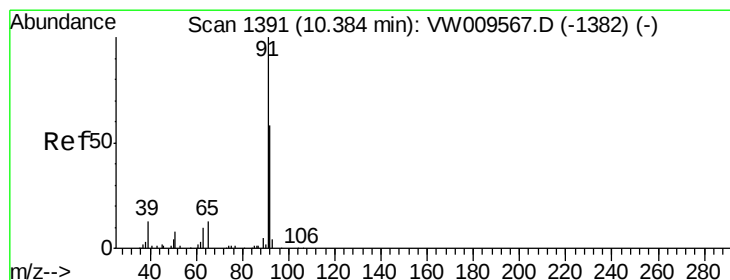
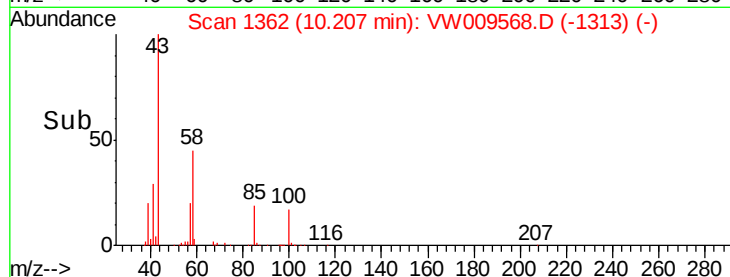
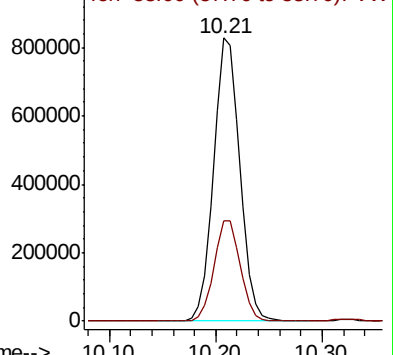
43 100

58 35.7 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 98.795 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW009568.D

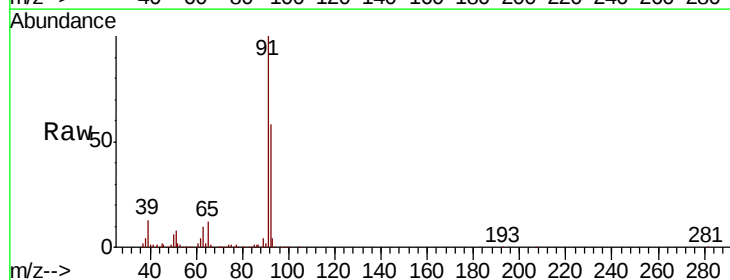
Acq: 29 Mar 2019 11:43

Tgt Ion: 92 Resp: 891536

Ion Ratio Lower Upper

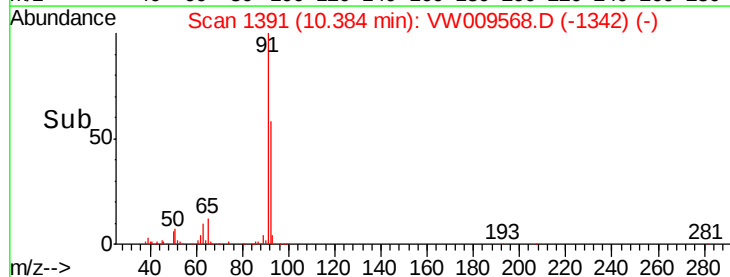
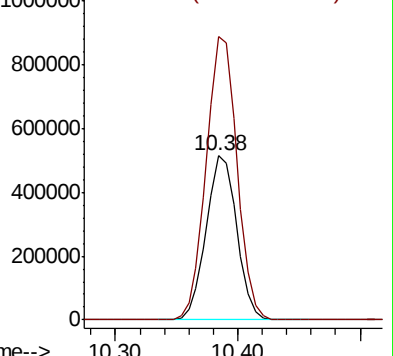
92 100

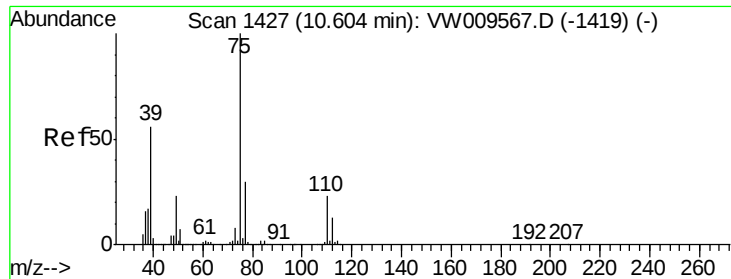
91 173.9 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 105.989 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

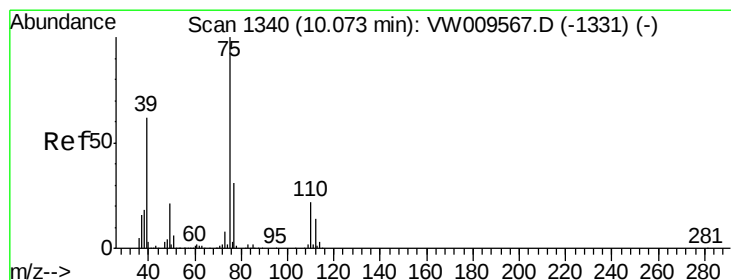
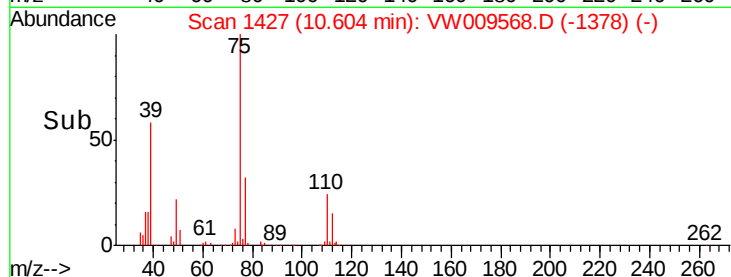
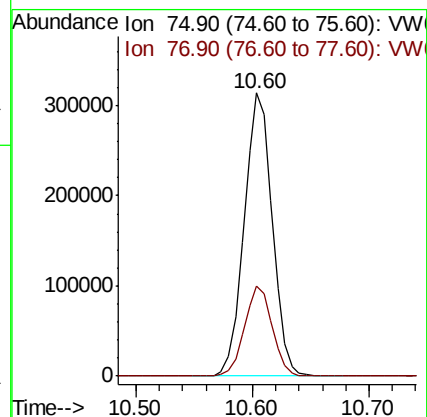
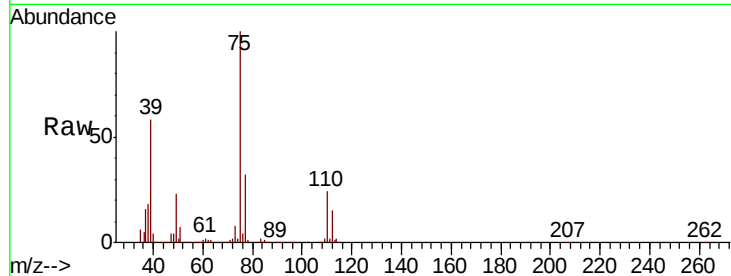
VSTDIC100

Tgt Ion: 75 Resp: 527322

Ion Ratio Lower Upper

75 100

77 31.9 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 103.796 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

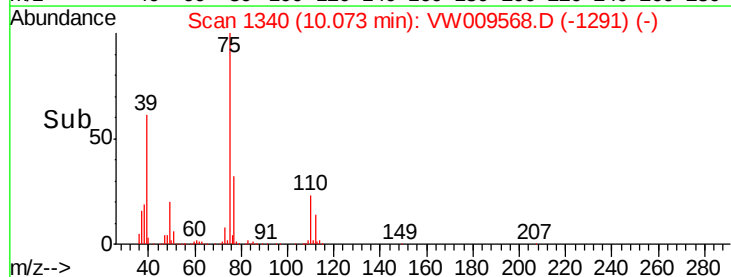
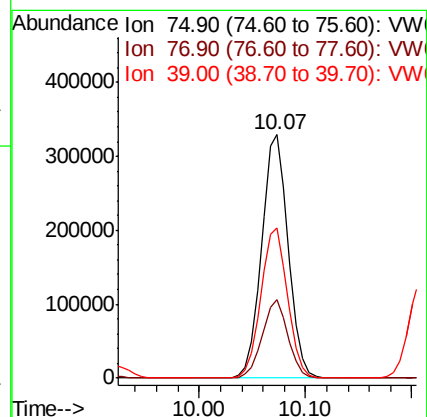
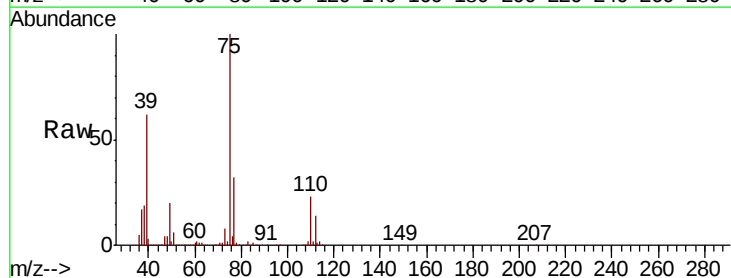
Tgt Ion: 75 Resp: 573969

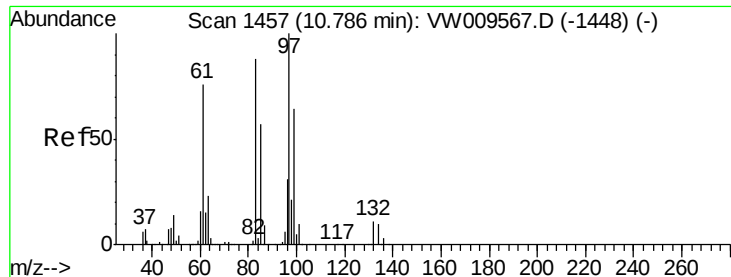
Ion Ratio Lower Upper

75 100

77 32.2 25.9 38.9

39 61.5 46.8 70.2

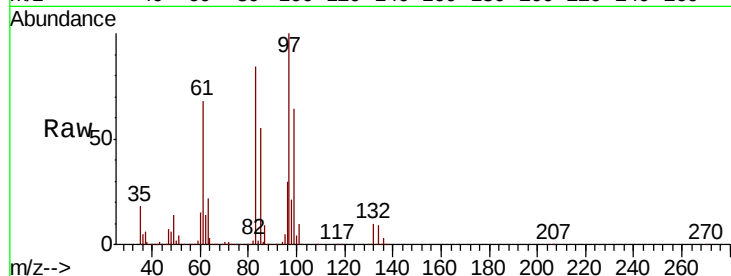




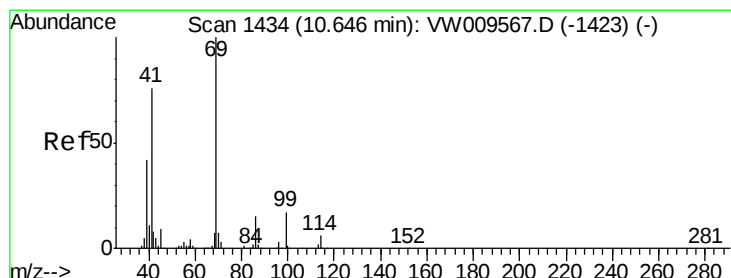
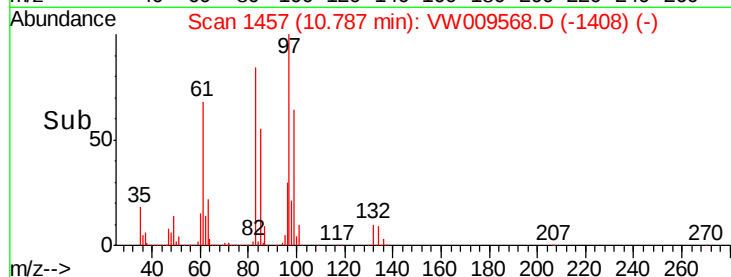
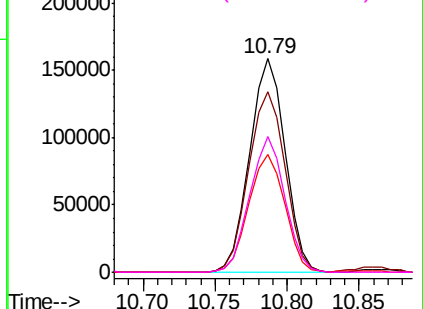
#55
 1,1,2-Trichloroethane
 Concen: 103.717 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW009568.D
 Acq: 29 Mar 2019 11:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tgt Ion:	97	Resp:	270592
Ion	Ratio	Lower	Upper
97	100		
83	84.4	66.3	99.5
85	55.3	41.4	62.2
99	63.7	48.7	73.1

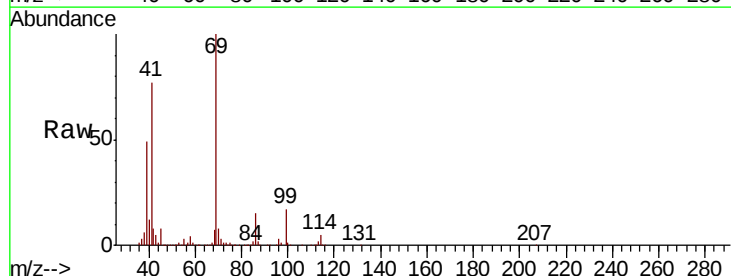


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

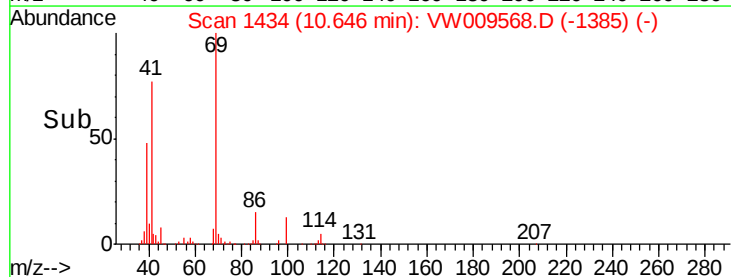
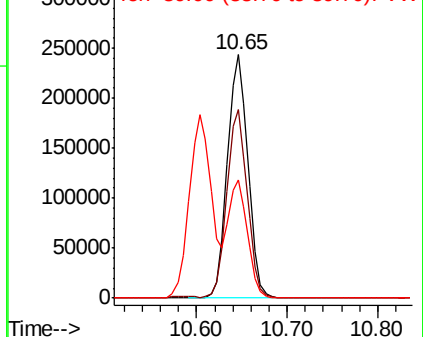


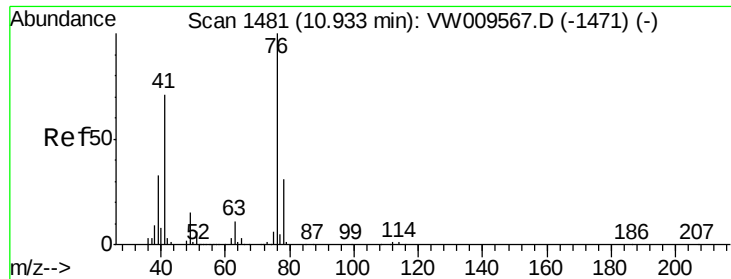
#56
 Ethyl methacrylate
 Concen: 112.743 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW009568.D
 Acq: 29 Mar 2019 11:43

Tgt Ion:	69	Resp:	382413
Ion	Ratio	Lower	Upper
69	100		
41	76.7	59.3	88.9
39	45.0	36.2	54.2



Abundance Ion 69.00 (68.70 to 69.70): VW
 Ion 41.00 (40.70 to 41.70): VW
 Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 103.415 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

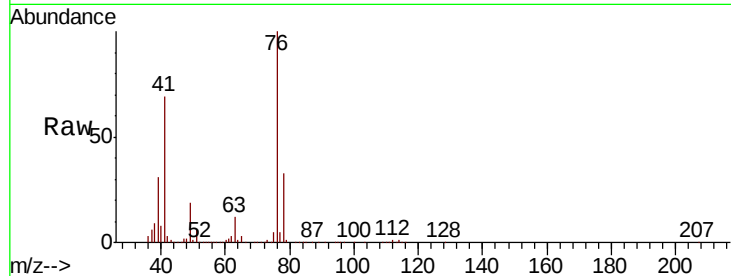
VSTDIC100

Tgt Ion: 76 Resp: 485102

Ion Ratio Lower Upper

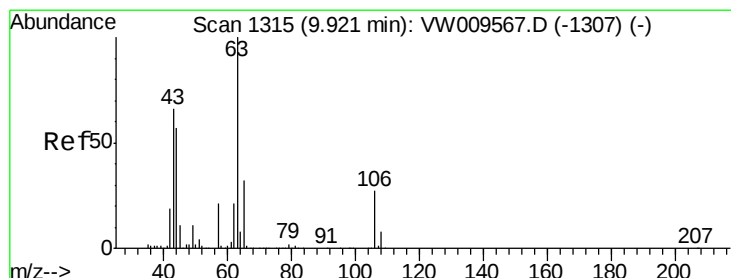
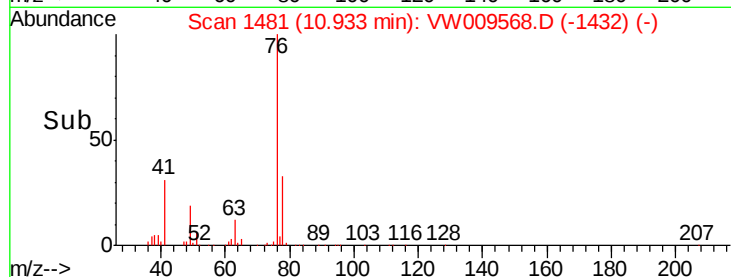
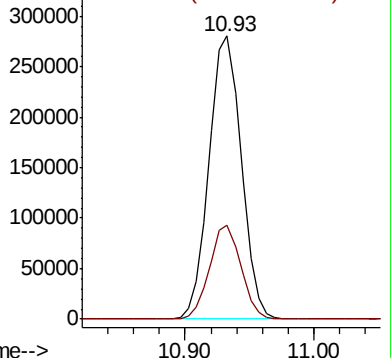
76 100

78 32.3 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#58

2-Chloroethyl Vinyl ether

Concen: 576.311 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW009568.D

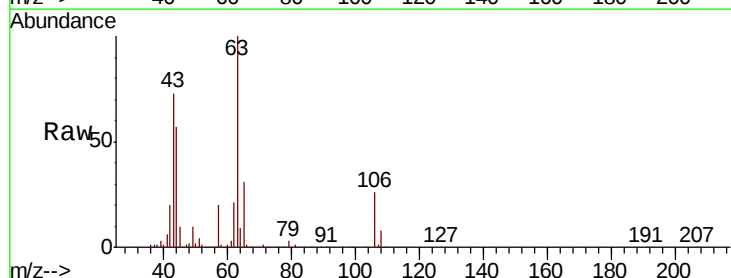
Acq: 29 Mar 2019 11:43

Tgt Ion: 63 Resp: 957682

Ion Ratio Lower Upper

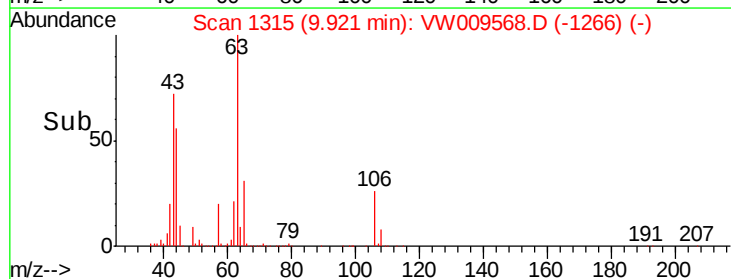
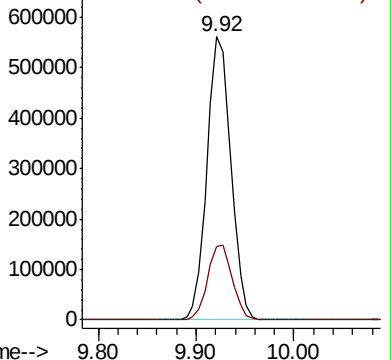
63 100

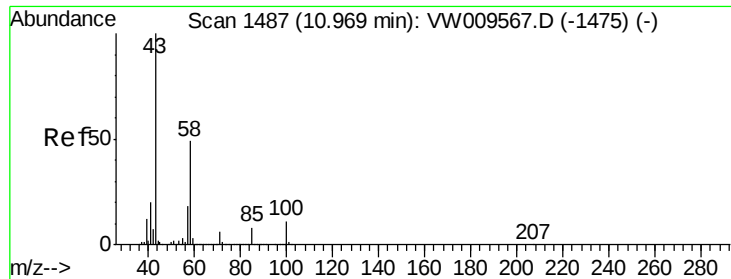
106 27.2 22.9 34.3



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

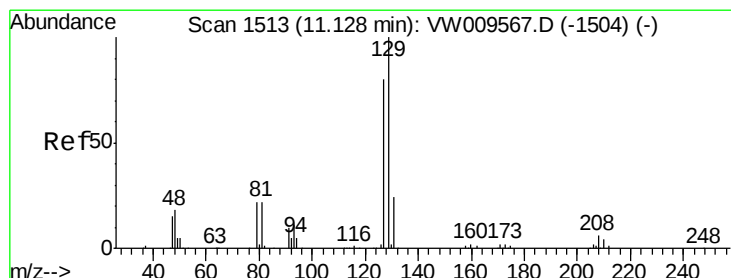
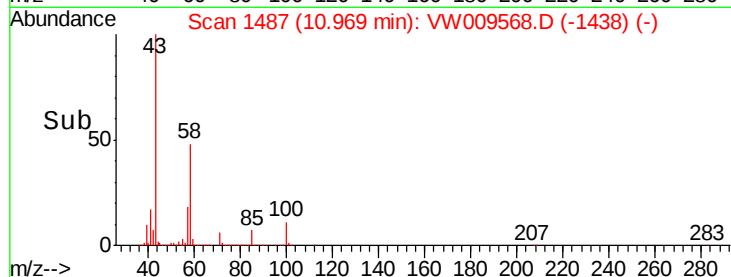
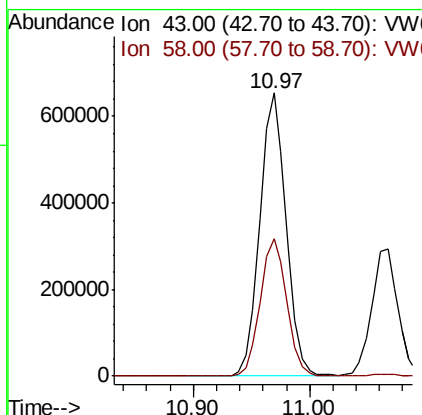
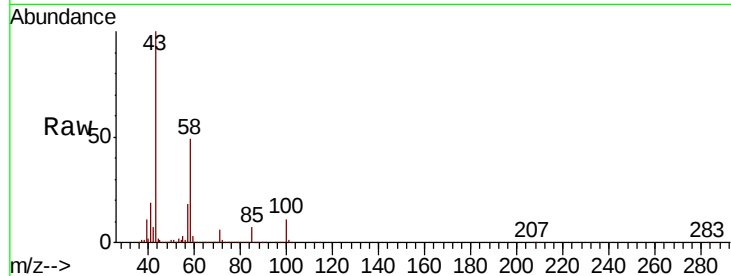




#59
2-Hexanone
Concen: 556.558 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

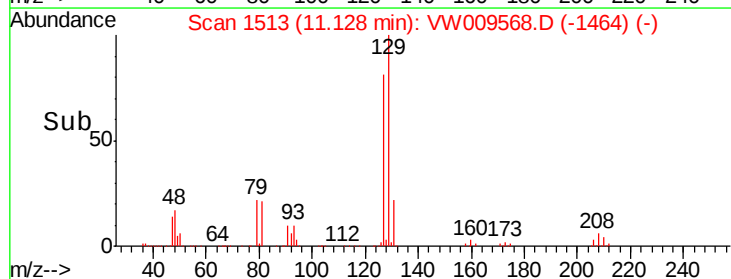
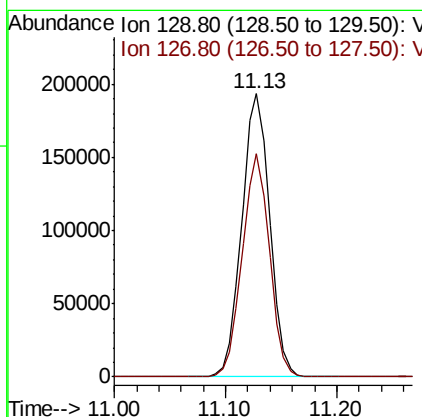
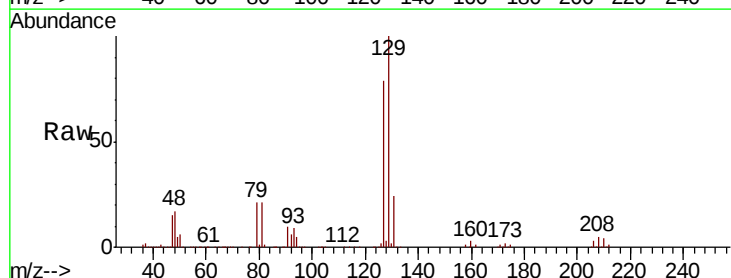
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

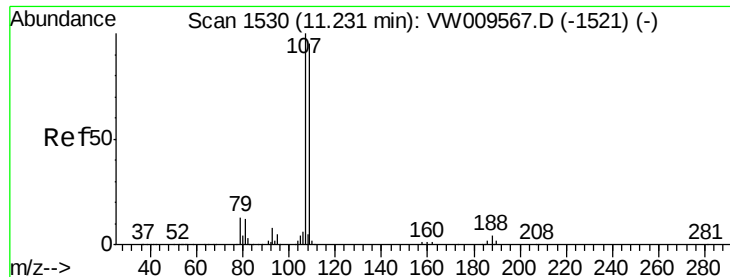
Tgt Ion: 43 Resp: 1027740
Ion Ratio Lower Upper
43 100
58 49.0 24.2 72.6



#60
Dibromochloromethane
Concen: 106.060 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Tgt Ion: 129 Resp: 335983
Ion Ratio Lower Upper
129 100
127 76.9 38.1 114.5





#61

1,2-Dibromoethane

Concen: 103.880 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

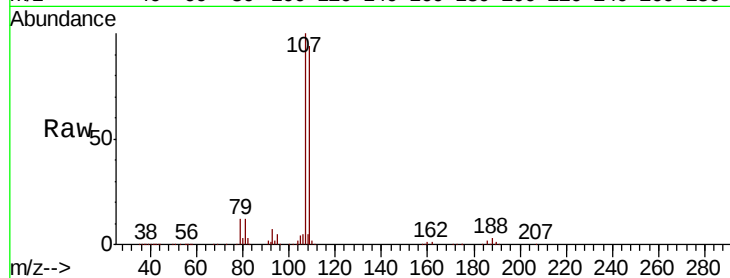
VSTDIC100

Tgt Ion: 107 Resp: 261559

Ion Ratio Lower Upper

107 100

109 94.7 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23

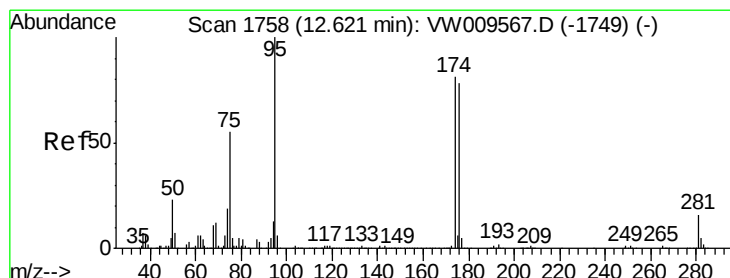
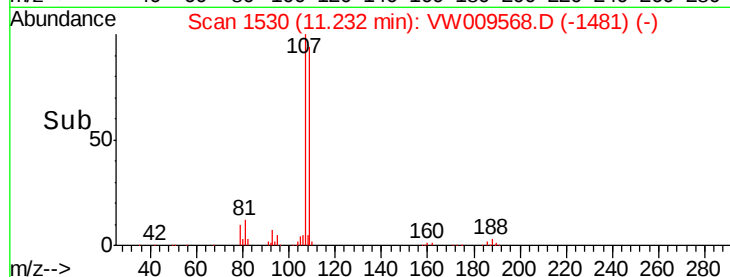
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 98.929 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

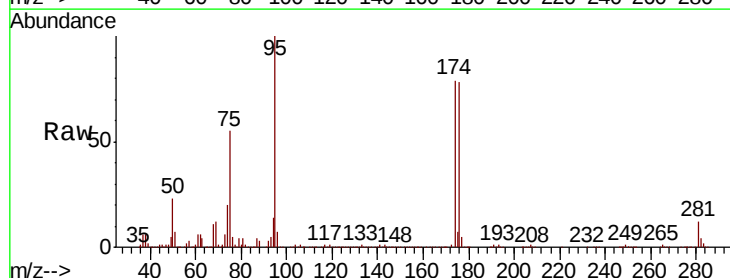
Tgt Ion: 95 Resp: 449357

Ion Ratio Lower Upper

95 100

174 78.1 0.0 168.4

176 75.4 0.0 161.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

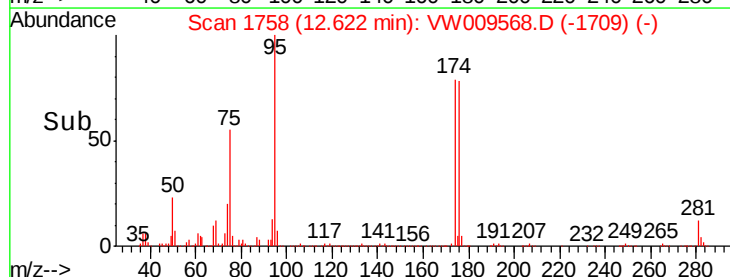
300000

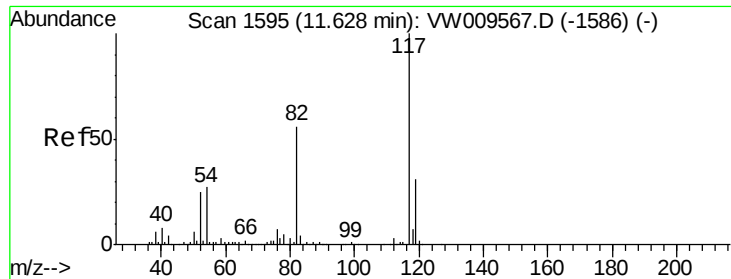
200000

100000

0

Time-->

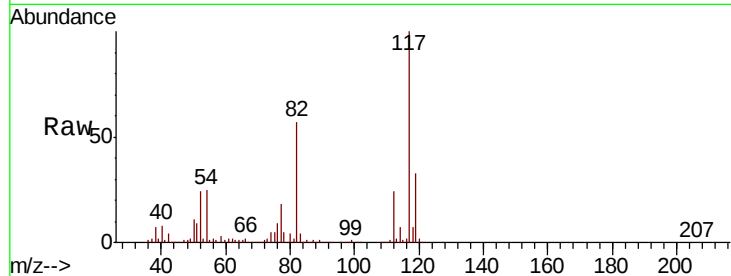




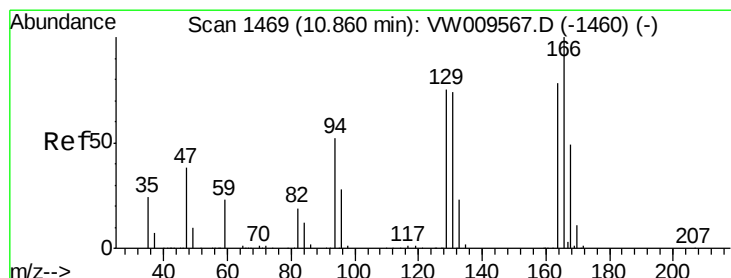
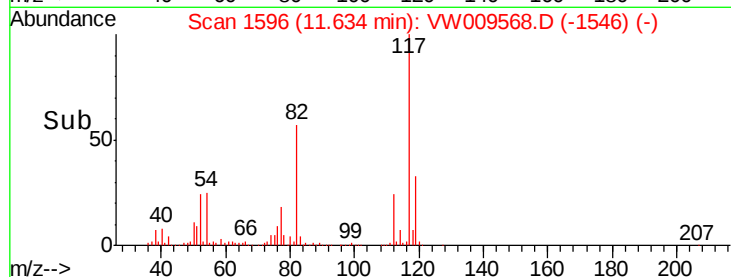
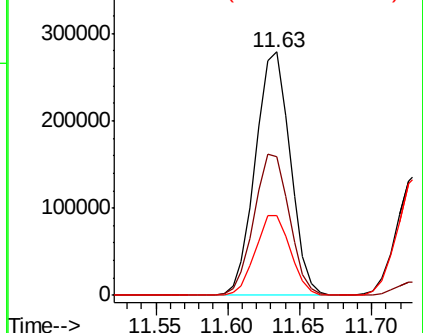
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion:117 Resp: 468381
Ion Ratio Lower Upper
117 100
82 56.8 43.6 65.4
119 32.9 26.0 39.0

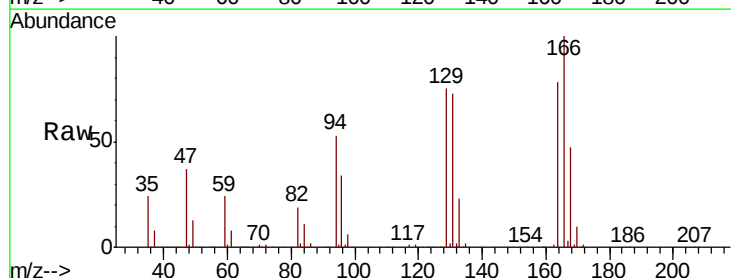


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

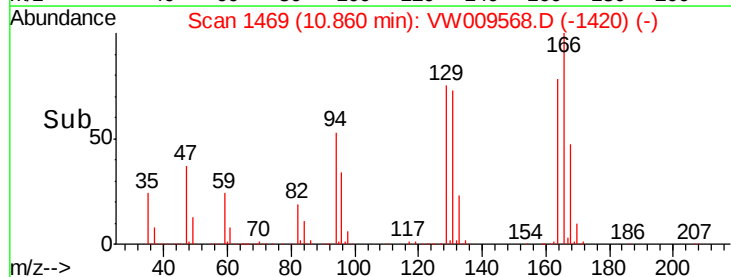
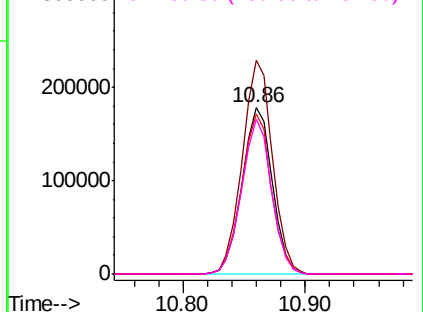


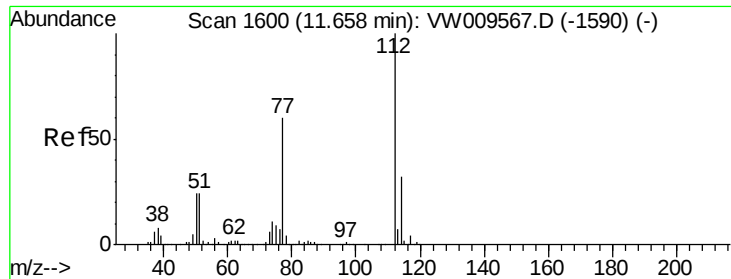
#64
Tetrachloroethene
Concen: 98.165 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Tgt Ion:164 Resp: 305335
Ion Ratio Lower Upper
164 100
166 128.4 100.9 151.3
129 96.4 72.0 108.0
131 93.1 69.8 104.6



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 99.585 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

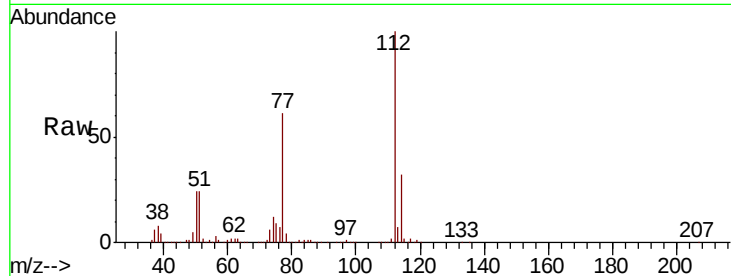
VSTDIC100

Tgt Ion:112 Resp: 974664

Ion Ratio Lower Upper

112 100

114 32.0 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

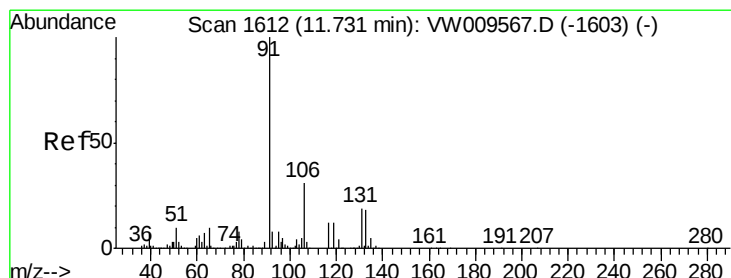
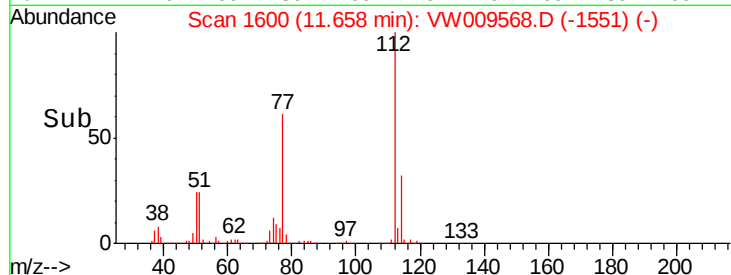
600000

400000

200000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 101.238 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

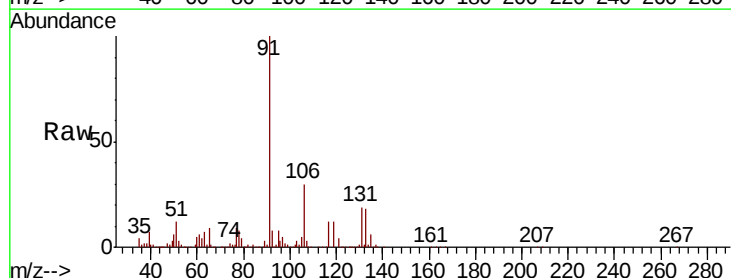
Tgt Ion:131 Resp: 364038

Ion Ratio Lower Upper

131 100

133 95.3 47.3 141.8

119 63.8 31.6 95.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

300000

250000

200000

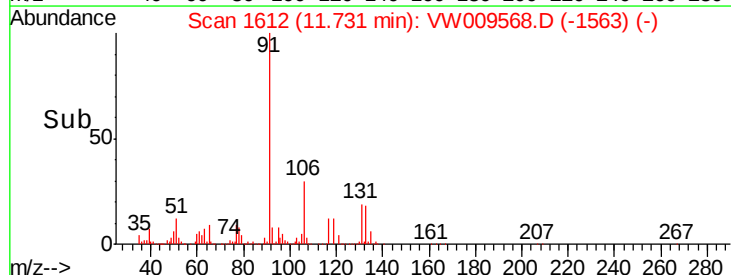
150000

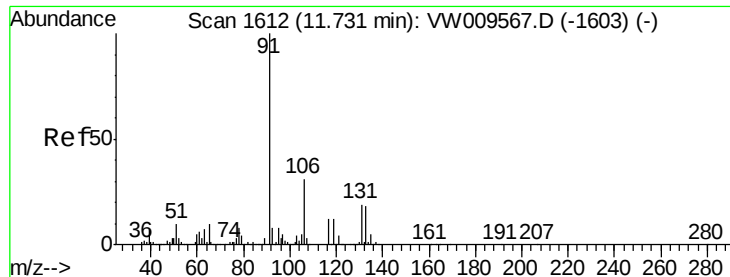
100000

50000

0

Time-->

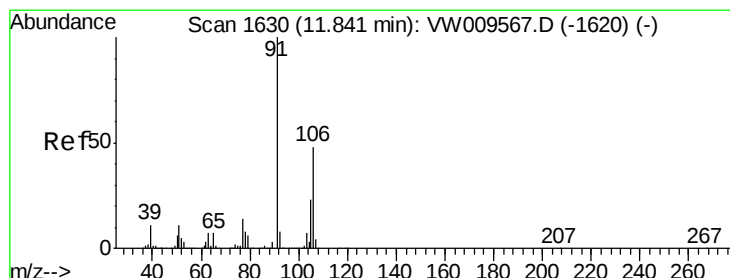
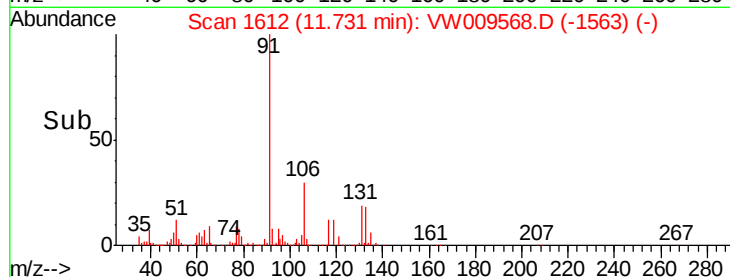
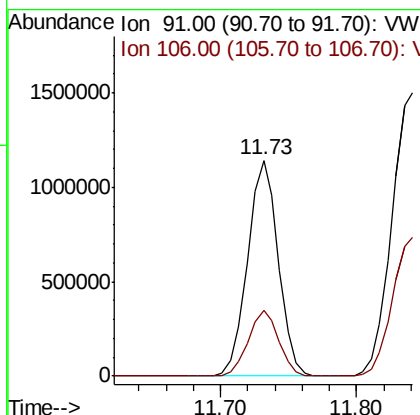
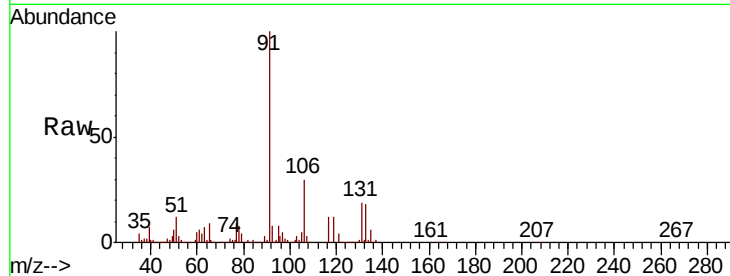




#67
Ethyl Benzene
Concen: 100.572 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

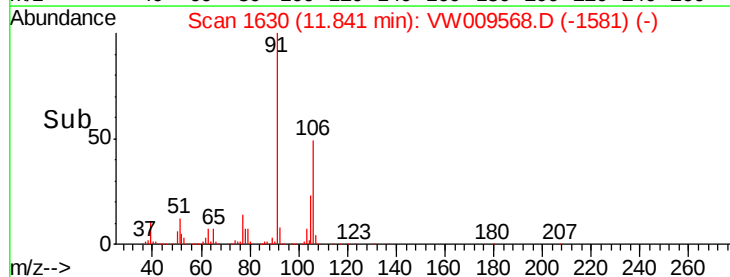
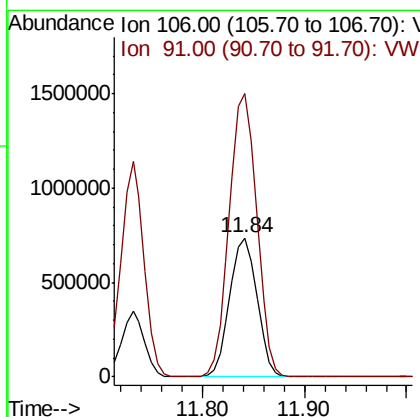
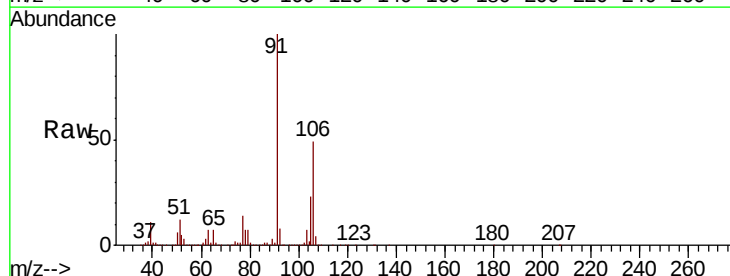
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

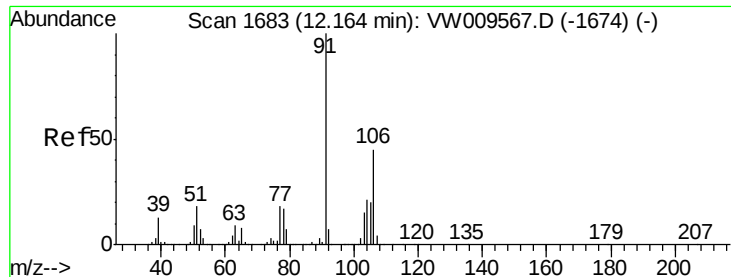
Tgt Ion: 91 Resp: 1803148
Ion Ratio Lower Upper
91 100
106 30.4 24.6 36.8



#68
m/p-Xylenes
Concen: 200.759 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Tgt Ion: 106 Resp: 1367763
Ion Ratio Lower Upper
106 100
91 204.9 163.1 244.7

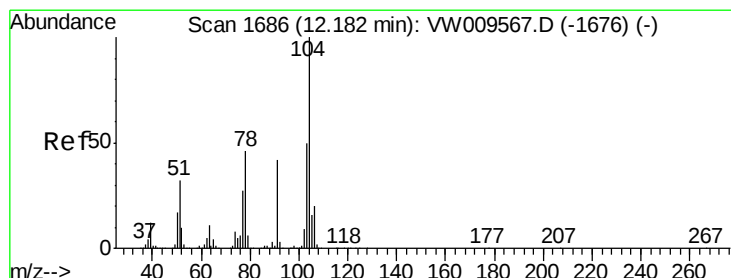
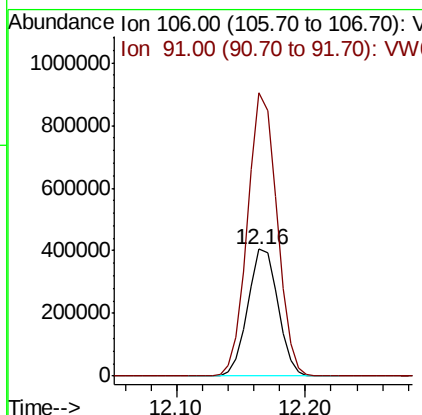
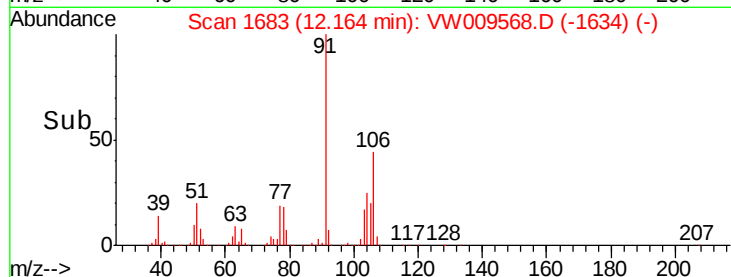
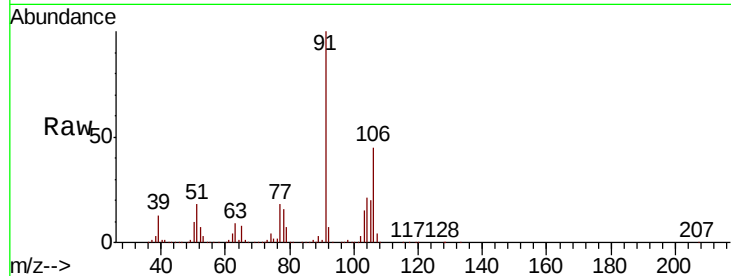




#69
o-Xylene
Concen: 102.348 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

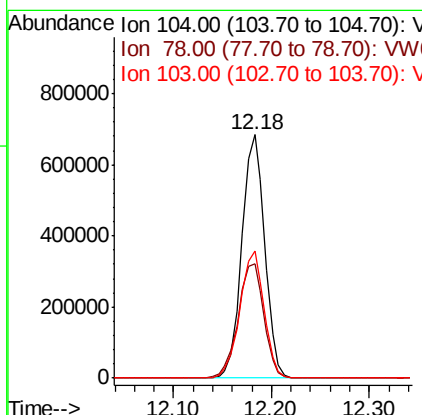
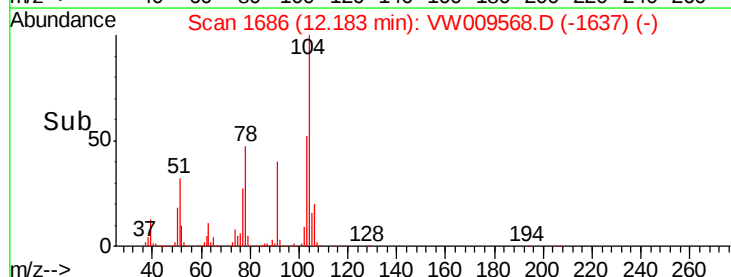
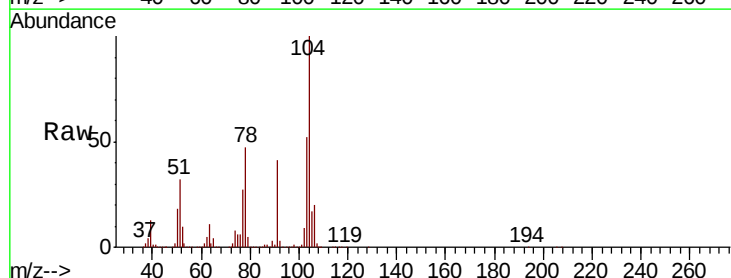
Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

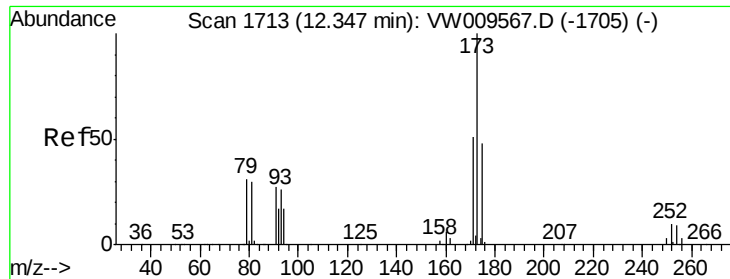
Tgt Ion:106 Resp: 654143
Ion Ratio Lower Upper
106 100
91 218.1 108.6 325.8



#70
Styrene
Concen: 102.369 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Tgt Ion:104 Resp: 1105421
Ion Ratio Lower Upper
104 100
78 53.0 42.2 63.4
103 55.5 44.6 66.8

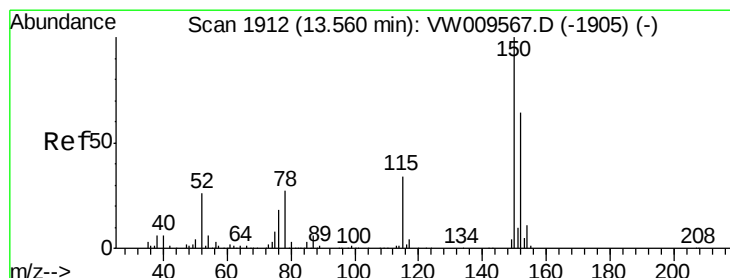
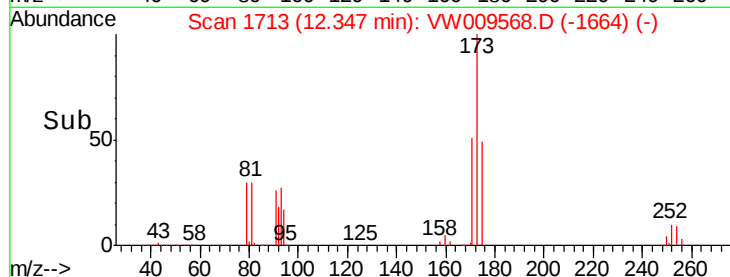
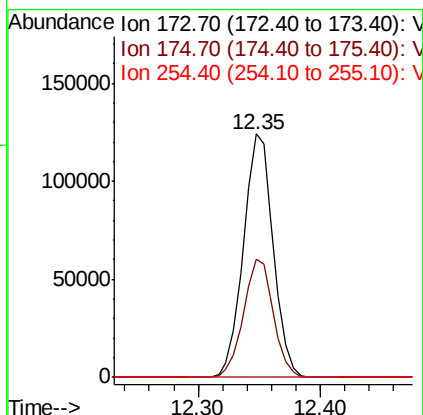
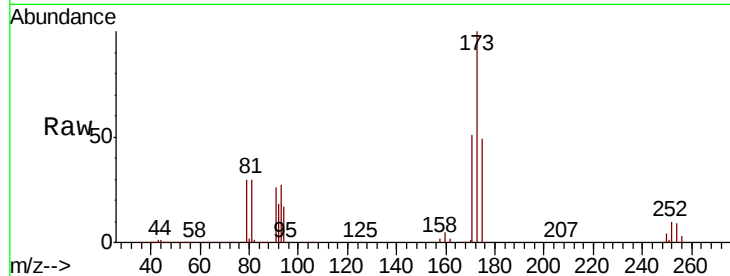




#71
Bromoform
Concen: 107.892 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

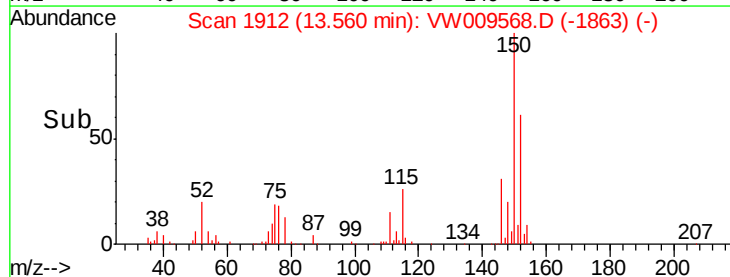
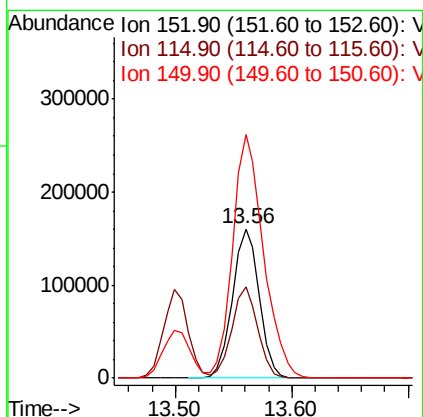
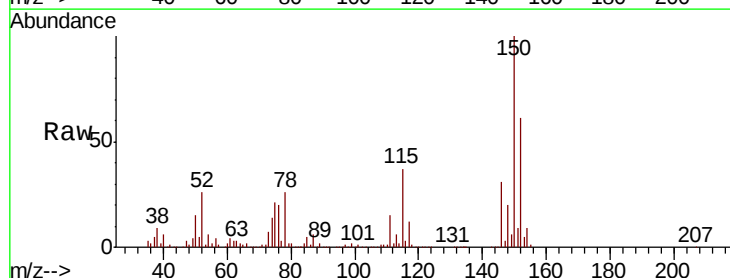
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

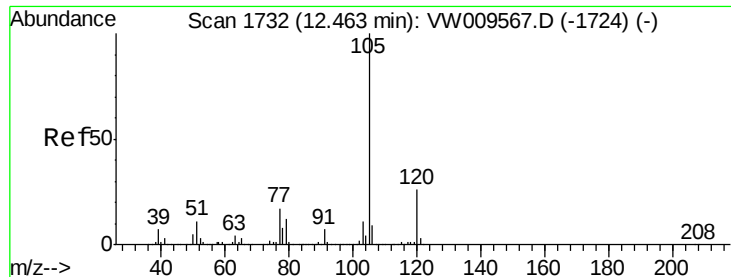
Tgt Ion:173 Resp: 209358
Ion Ratio Lower Upper
173 100
175 48.8 24.1 72.4
254 0.2 0.2 0.4#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Tgt Ion:152 Resp: 255145
Ion Ratio Lower Upper
152 100
115 59.2 29.6 88.8
150 188.5 0.0 349.2





#73

Isopropylbenzene

Concen: 99.420 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

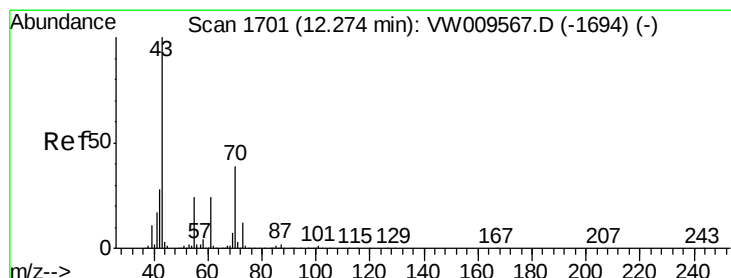
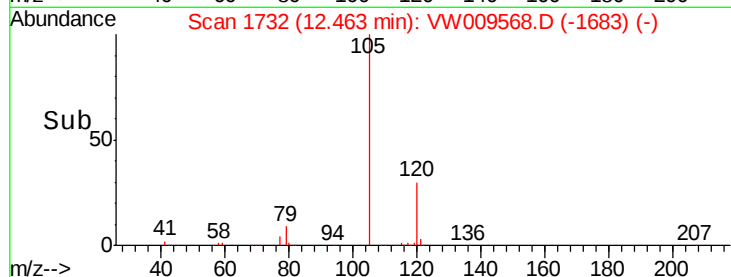
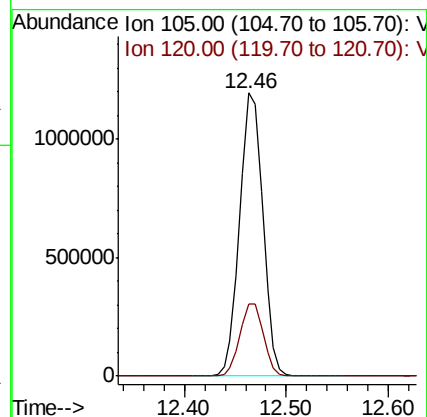
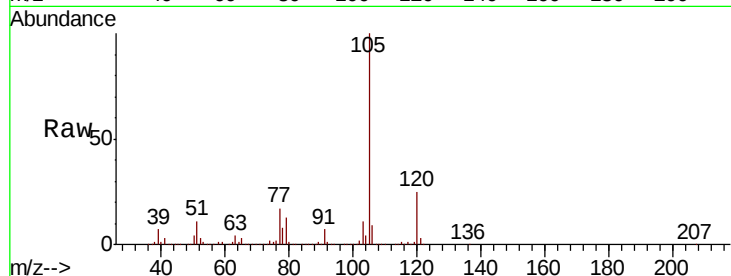
VSTDIC100

Tgt Ion:105 Resp: 1873643

Ion Ratio Lower Upper

105 100

120 26.0 13.0 39.0



#74

N-ethyl acetate

Concen: 113.669 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Tgt Ion: 43 Resp: 540187

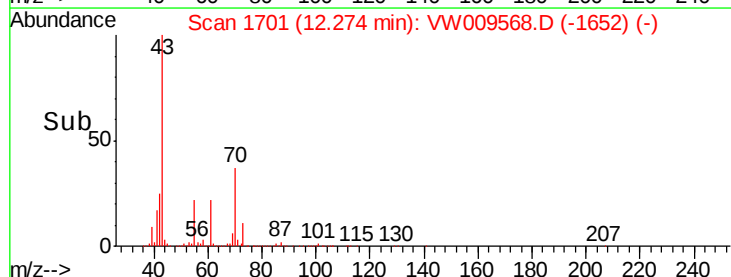
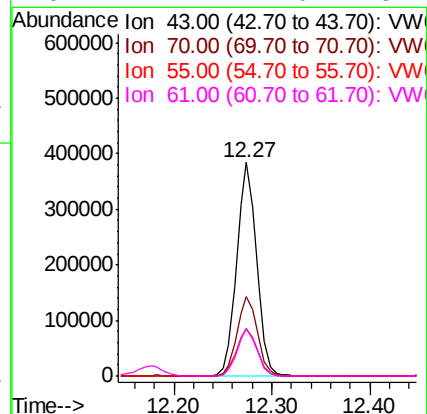
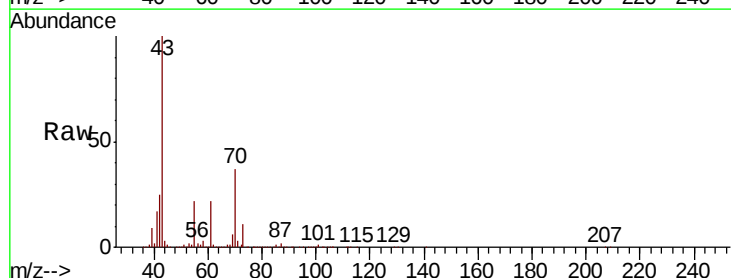
Ion Ratio Lower Upper

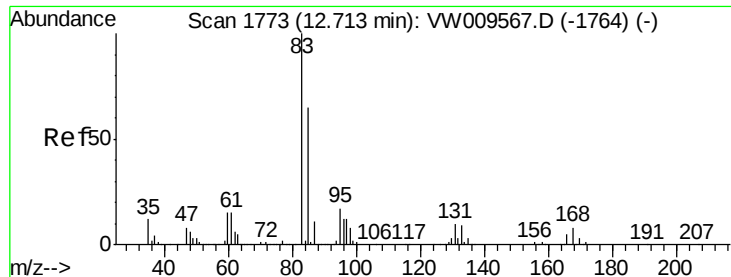
43 100

70 38.4 30.6 46.0

55 23.2 19.3 28.9

61 22.2 17.0 25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 103.981 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

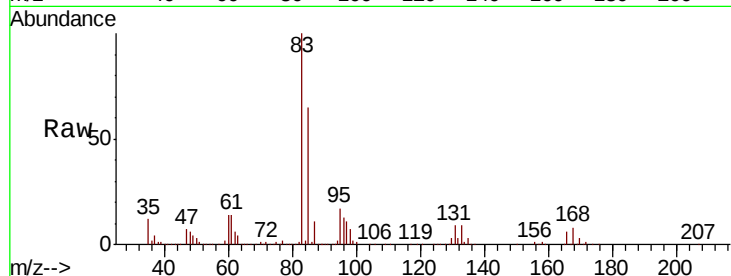
Tgt Ion: 83 Resp: 345599

Ion Ratio Lower Upper

83 100

131 10.4 5.3 16.1

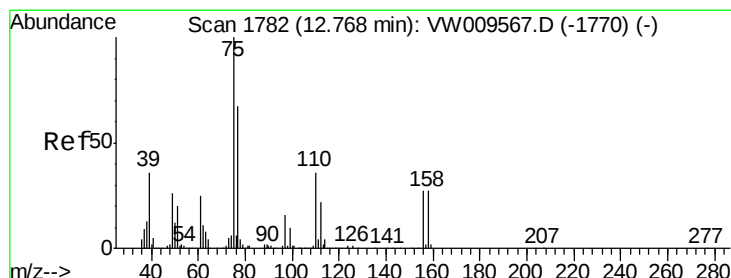
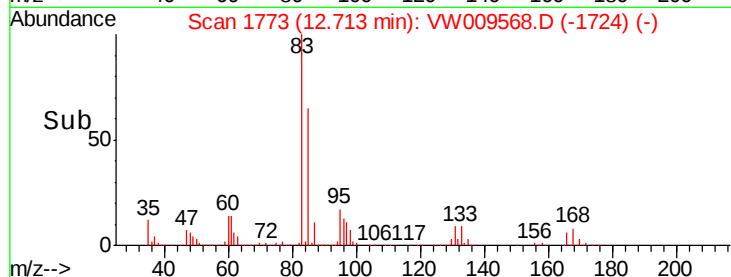
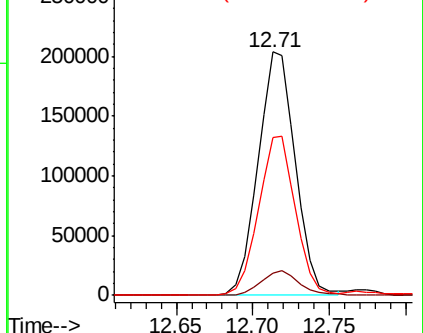
85 64.6 32.6 97.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 198.440 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW009568.D

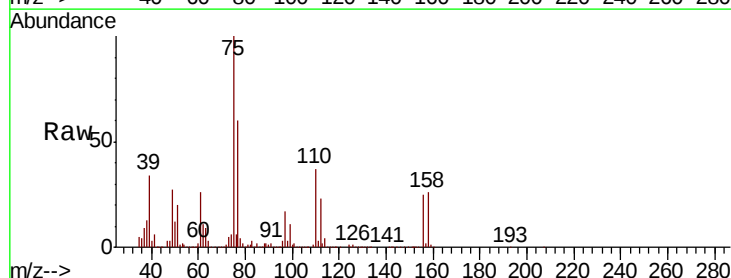
Acq: 29 Mar 2019 11:43

Tgt Ion: 75 Resp: 478860

Ion Ratio Lower Upper

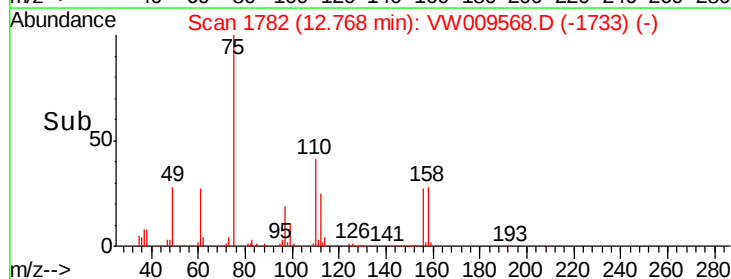
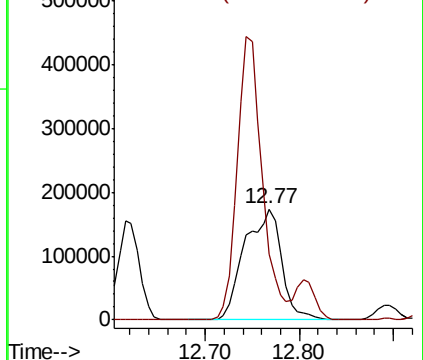
75 100

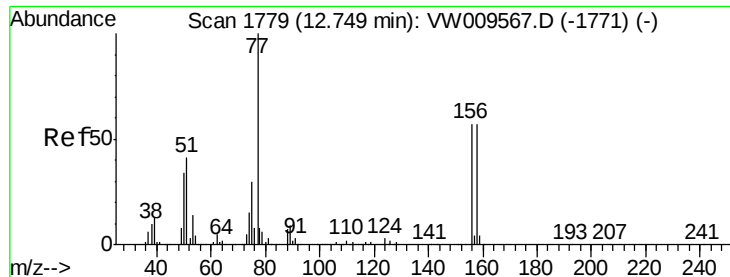
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

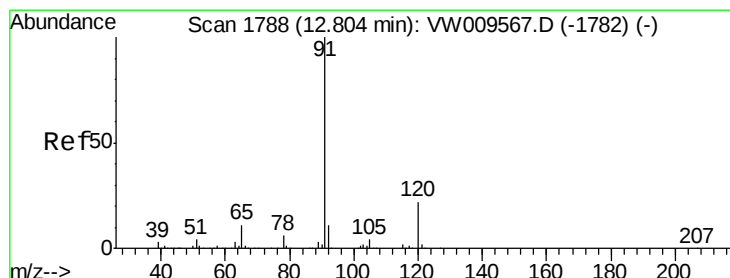
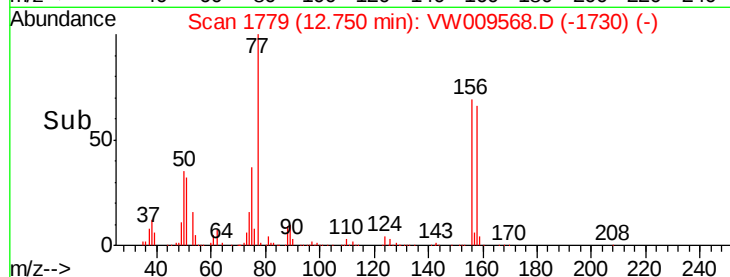
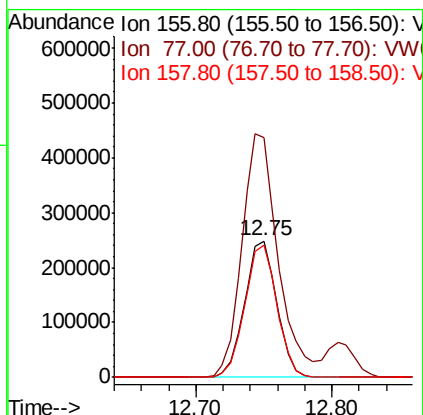
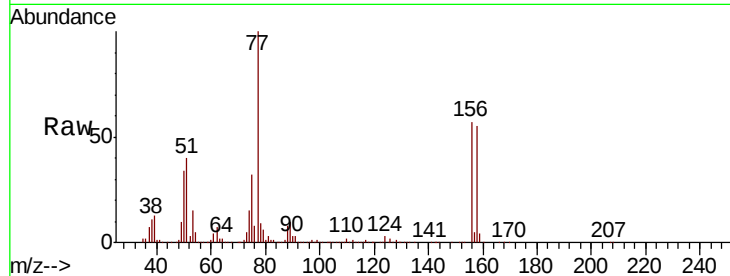




#77
Bromobenzene
Concen: 98.061 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

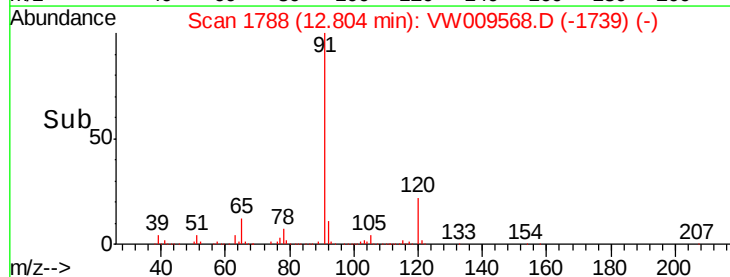
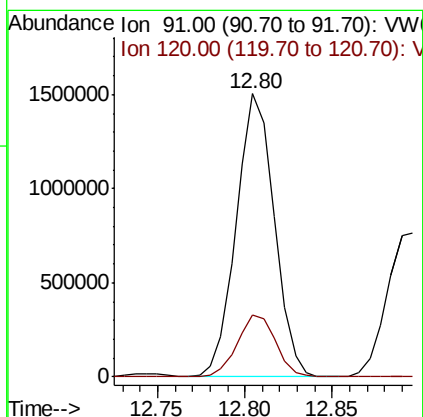
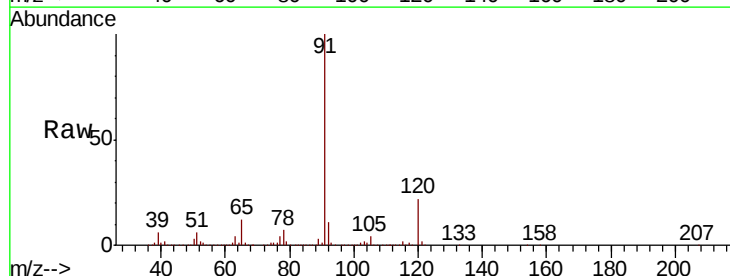
Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

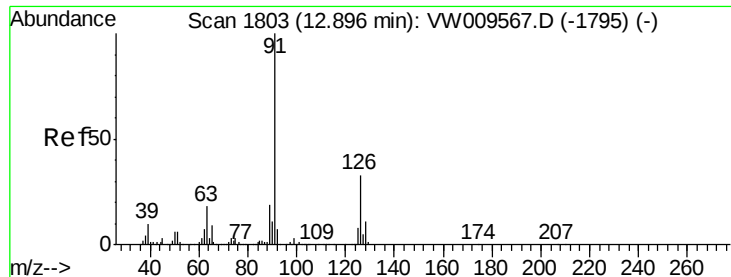
Tgt Ion: 156 Resp: 411891
Ion Ratio Lower Upper
156 100
77 198.8 96.0 288.0
158 96.5 49.1 147.3



#78
n-propylbenzene
Concen: 97.908 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Tgt Ion: 91 Resp: 2272993
Ion Ratio Lower Upper
91 100
120 22.1 11.1 33.3





#79

2-Chlorotoluene

Concen: 97.625 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

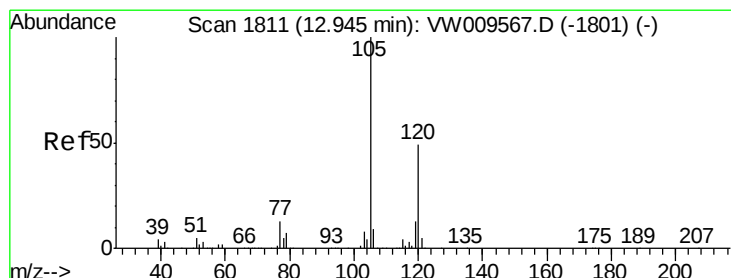
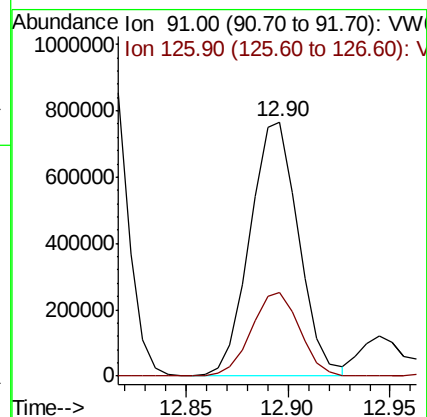
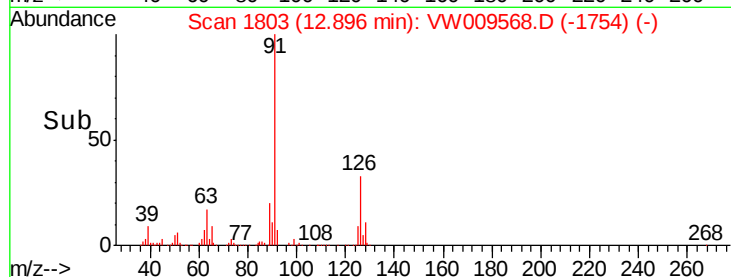
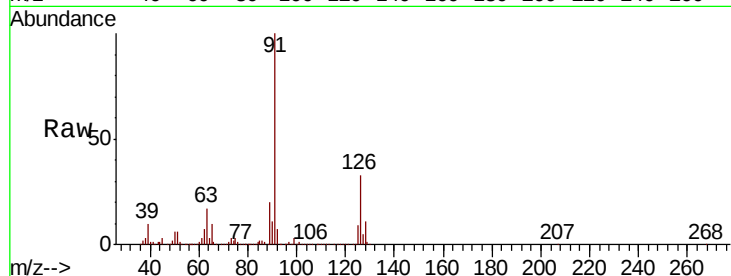
VSTDIC100

Tgt Ion: 91 Resp: 1273505

Ion Ratio Lower Upper

91 100

126 32.7 17.0 51.0



#80

1,3,5-Trimethylbenzene

Concen: 98.076 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW009568.D

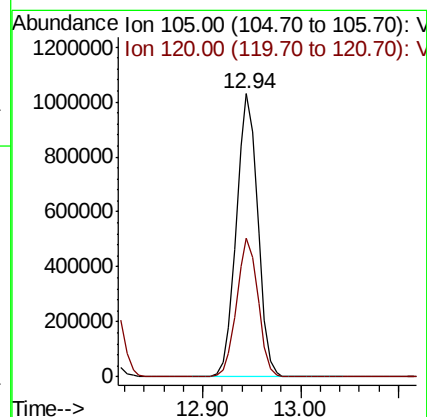
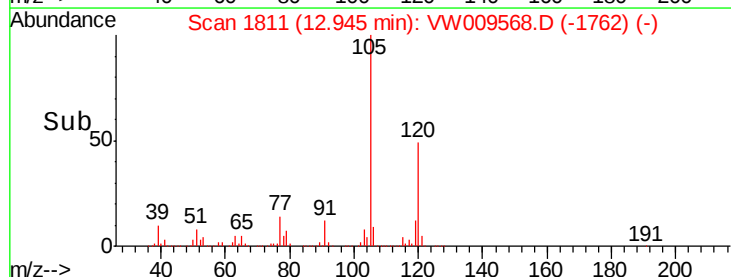
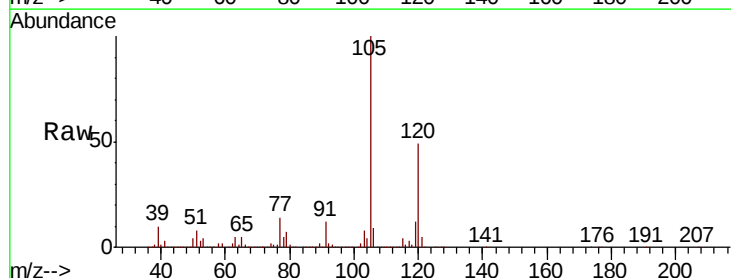
Acq: 29 Mar 2019 11:43

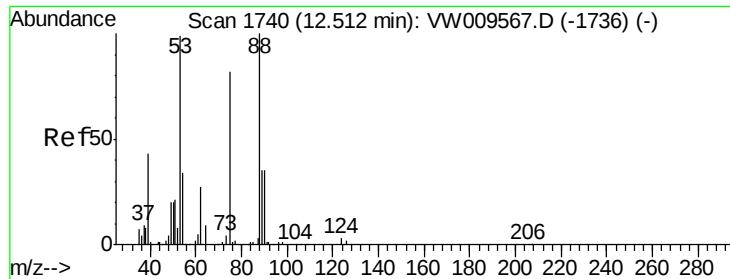
Tgt Ion: 105 Resp: 1564108

Ion Ratio Lower Upper

105 100

120 48.8 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 112.660 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

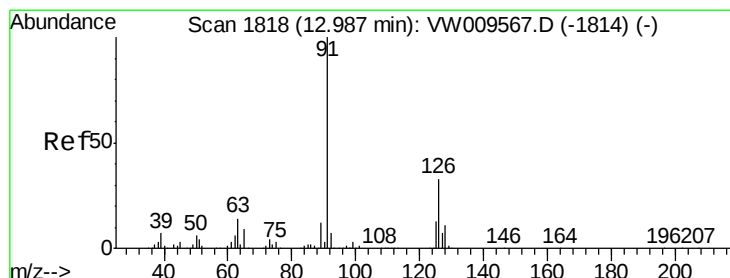
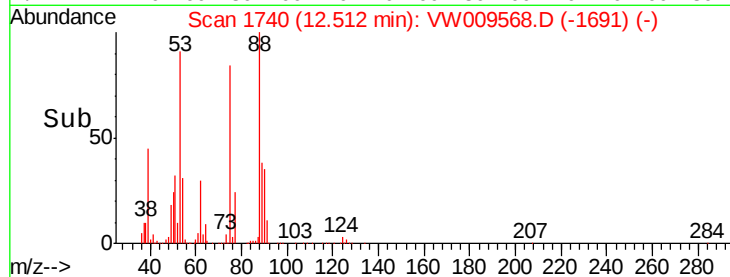
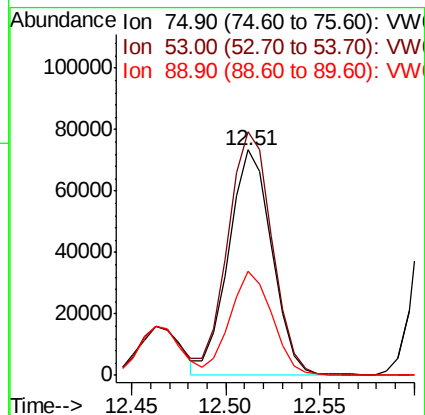
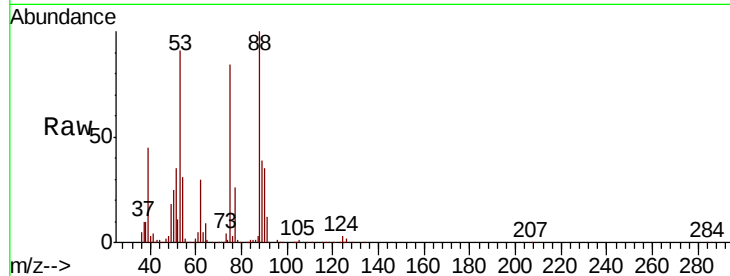
Tgt Ion: 75 Resp: 116447

Ion Ratio Lower Upper

75 100

53 109.5 86.7 130.1

89 45.2 36.4 54.6



#82

4-Chlorotoluene

Concen: 97.678 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW009568.D

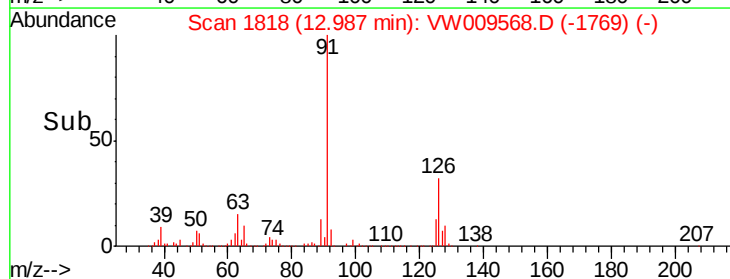
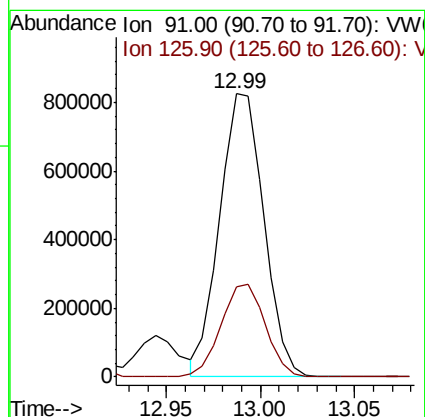
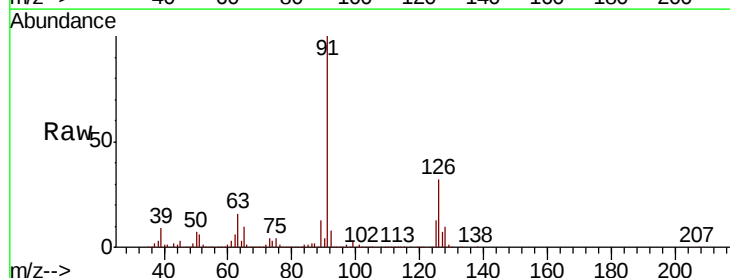
Acq: 29 Mar 2019 11:43

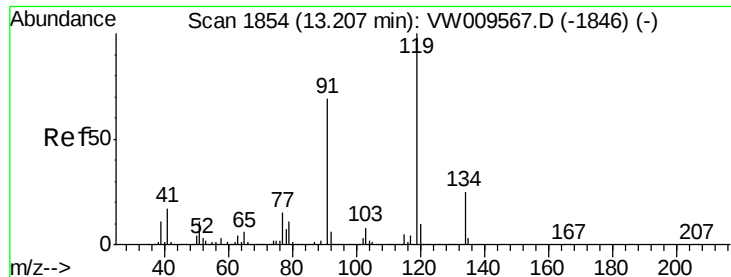
Tgt Ion: 91 Resp: 1341928

Ion Ratio Lower Upper

91 100

126 32.9 16.9 50.6

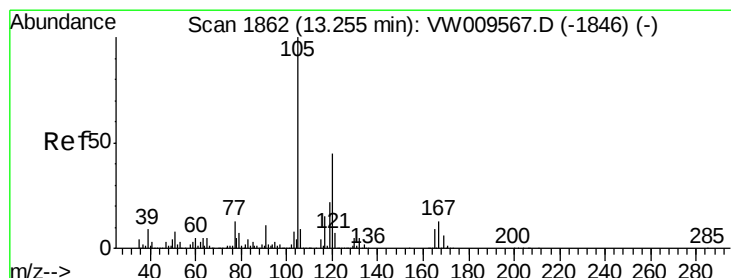
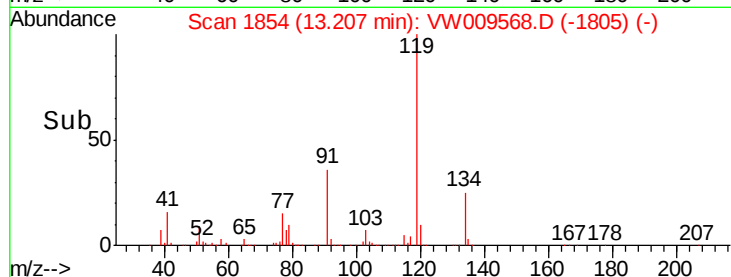
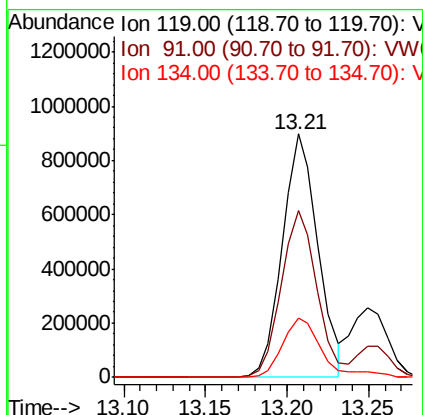
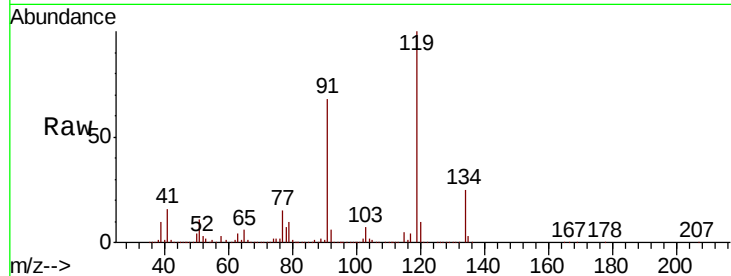




#83
 tert-Butylbenzene
 Concen: 100.703 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW009568.D
 Acq: 29 Mar 2019 11:43

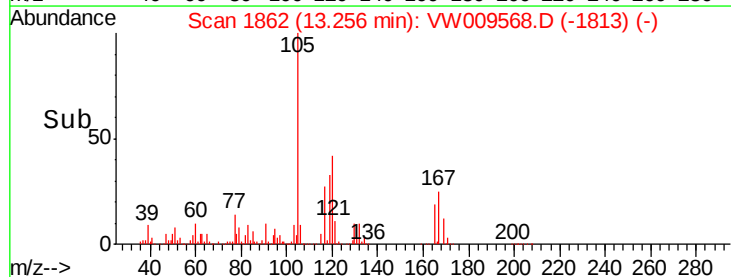
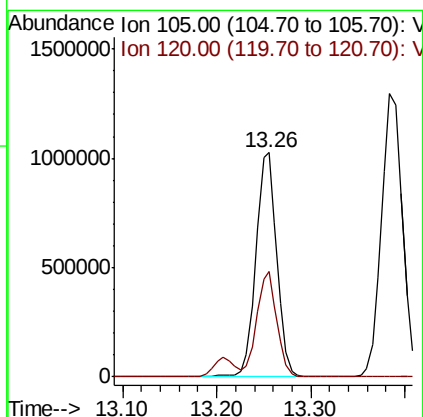
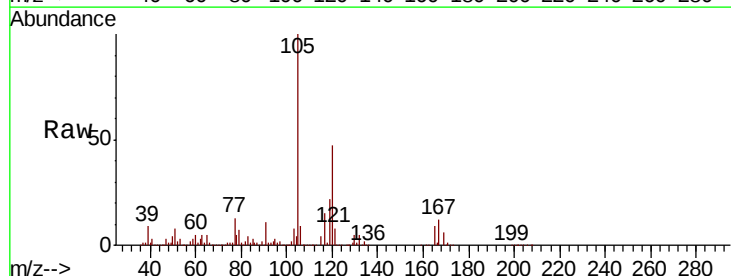
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

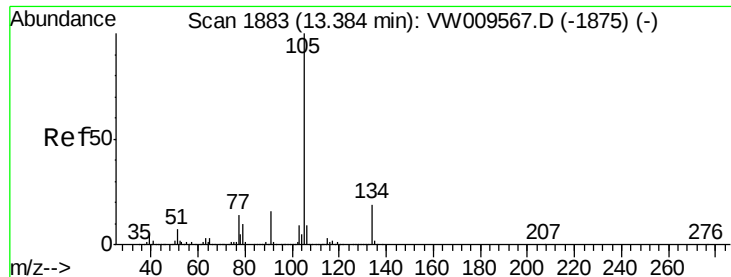
Tgt Ion:119 Resp: 1366470
 Ion Ratio Lower Upper
 119 100
 91 69.3 34.4 103.2
 134 27.1 12.7 38.1



#84
 1,2,4-Trimethylbenzene
 Concen: 97.563 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW009568.D
 Acq: 29 Mar 2019 11:43

Tgt Ion:105 Resp: 1606624
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.8 68.3

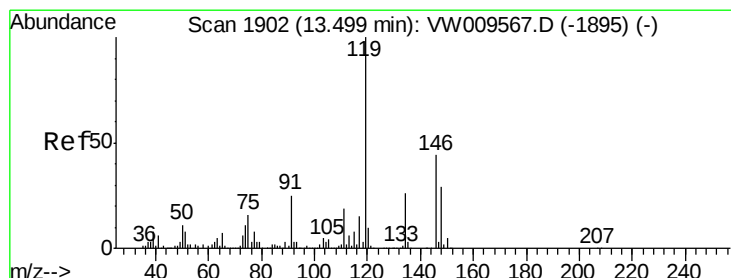
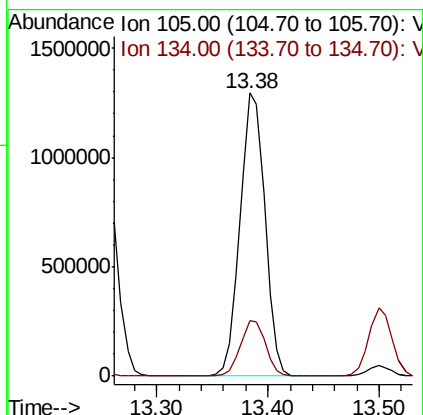
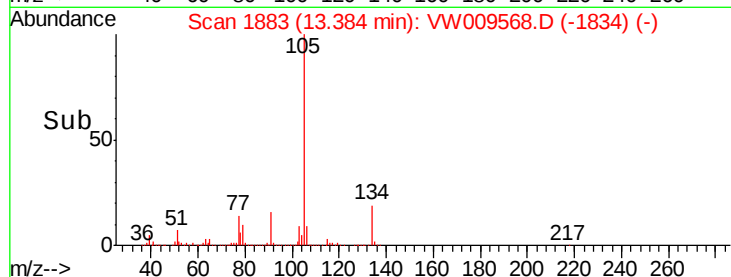
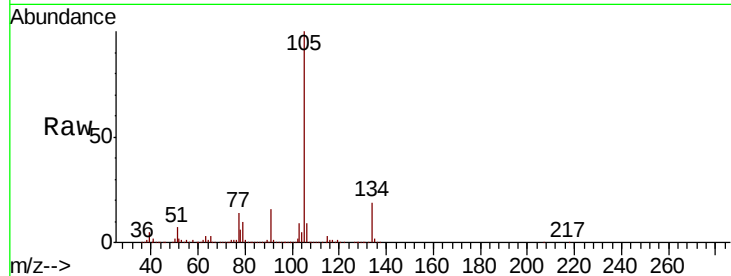




#85
 sec-Butylbenzene
 Concen: 97.548 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW009568.D
 Acq: 29 Mar 2019 11:43

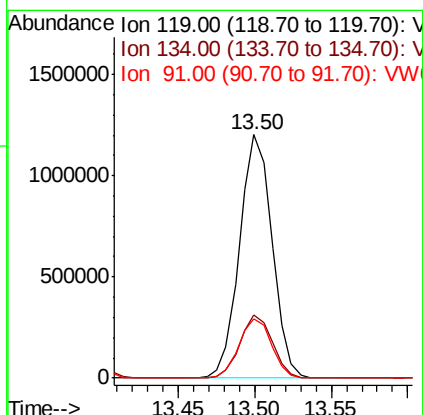
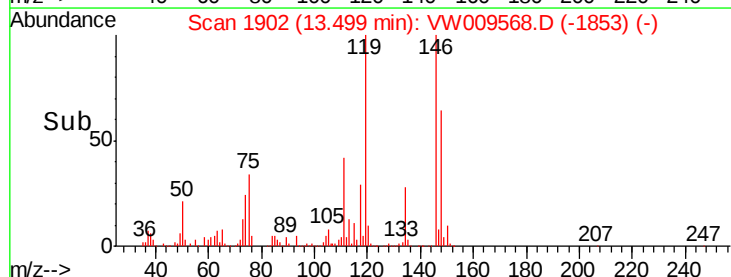
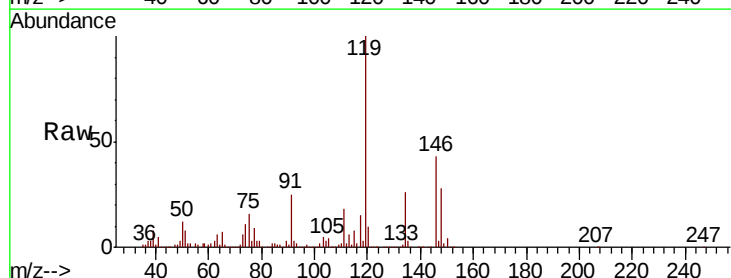
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

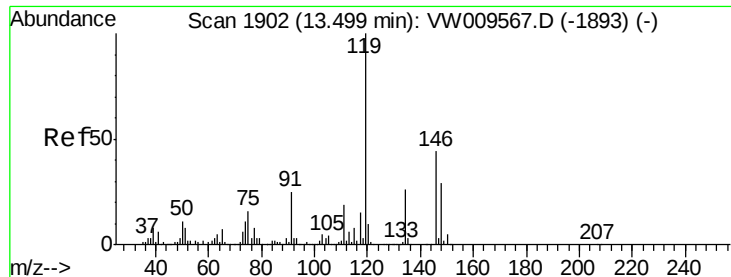
Tgt Ion:105 Resp: 2010266
 Ion Ratio Lower Upper
 105 100
 134 19.8 10.2 30.6



#86
 p-Isopropyltoluene
 Concen: 99.082 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009568.D
 Acq: 29 Mar 2019 11:43

Tgt Ion:119 Resp: 1774727
 Ion Ratio Lower Upper
 119 100
 134 25.7 13.1 39.3
 91 24.5 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 97.224 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

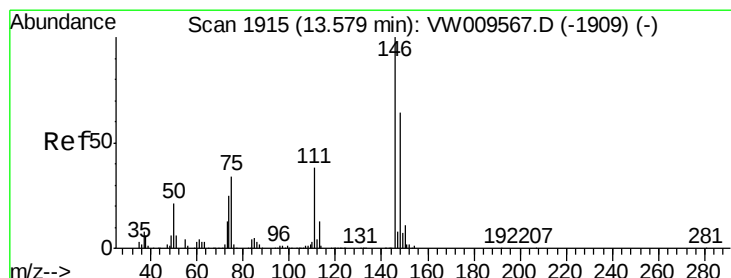
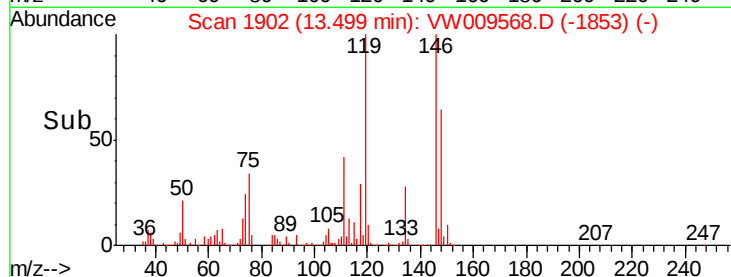
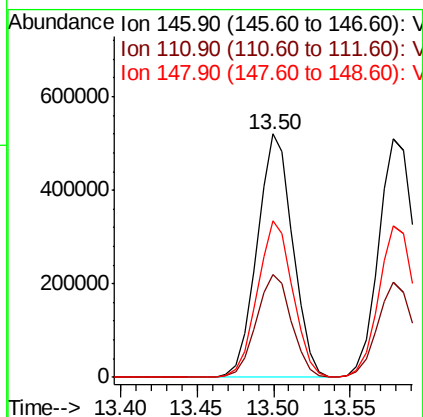
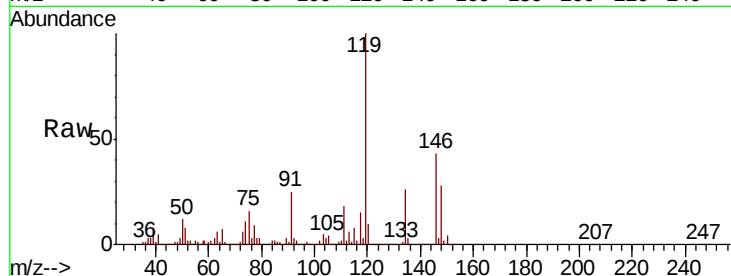
Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion:146 Resp: 840624

Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.1	60.2
148	64.0	31.4	94.3



#88

1,4-Dichlorobenzene

Concen: 96.282 ug/l

RT: 13.58 min Scan# 1915

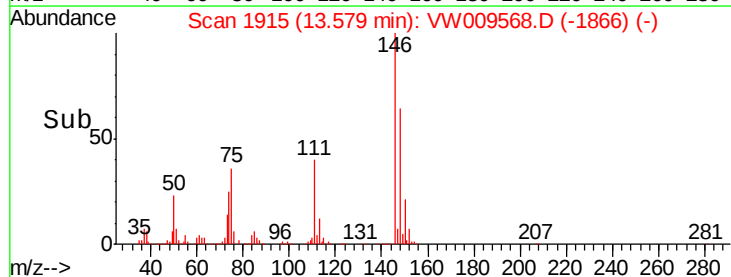
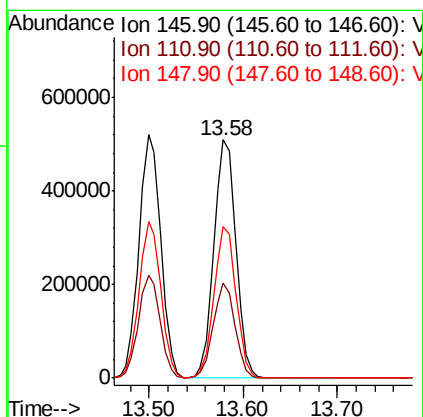
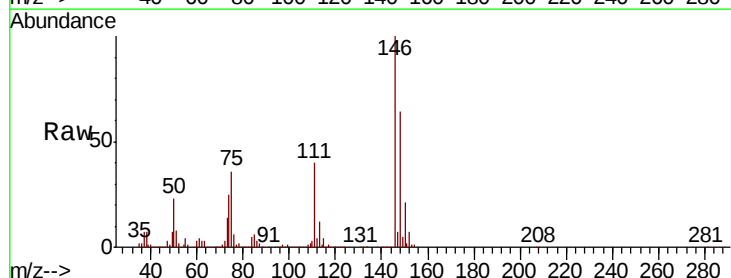
Delta R.T. 0.00 min

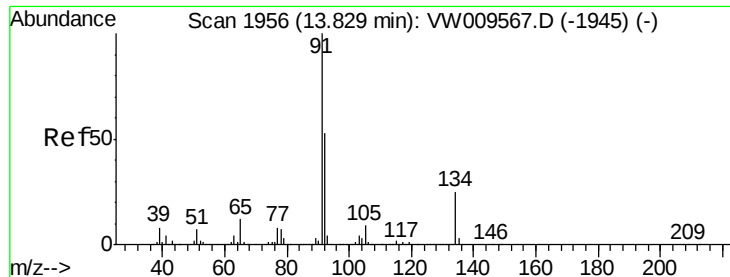
Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Tgt Ion:146 Resp: 827702

Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.9	59.6
148	63.5	32.2	96.6





#89

n-Butylbenzene

Concen: 98.243 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

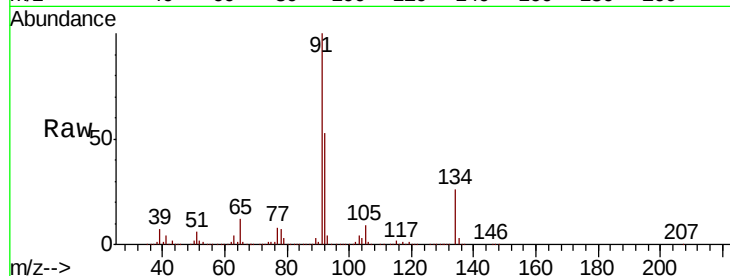
Tgt Ion: 91 Resp: 1732922

Ion Ratio Lower Upper

91 100

92 53.9 26.4 79.0

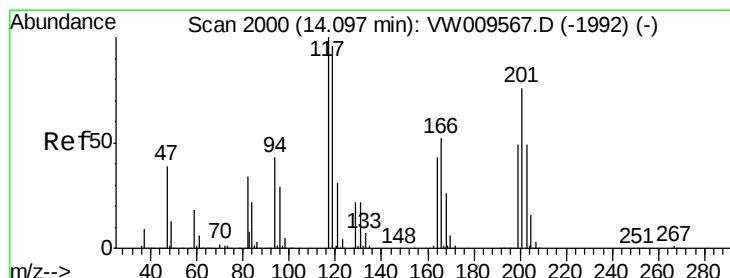
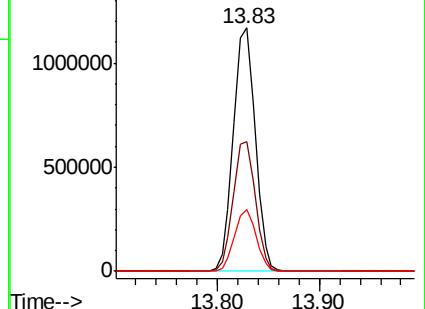
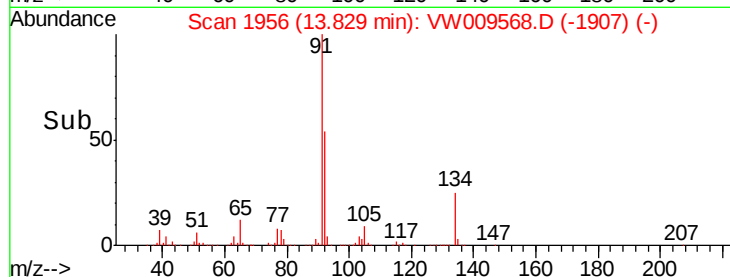
134 25.1 12.9 38.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 99.572 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW009568.D

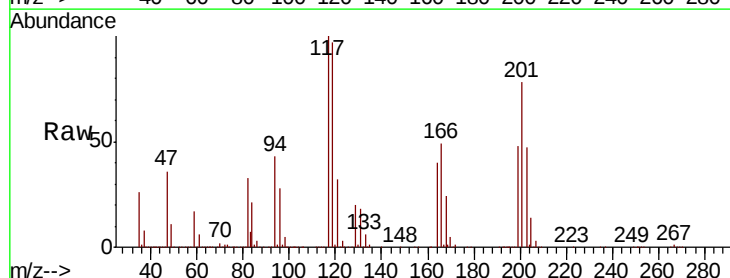
Acq: 29 Mar 2019 11:43

Tgt Ion: 117 Resp: 330386

Ion Ratio Lower Upper

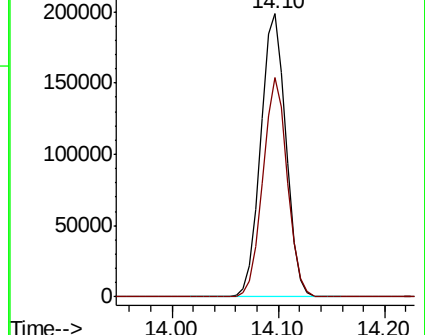
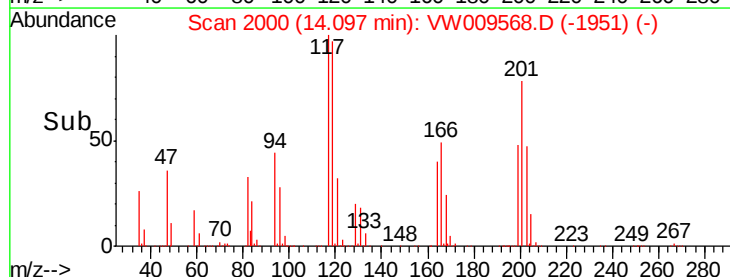
117 100

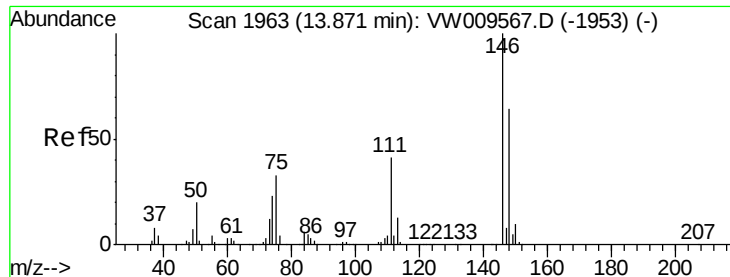
201 75.2 38.2 114.6



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 97.143 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

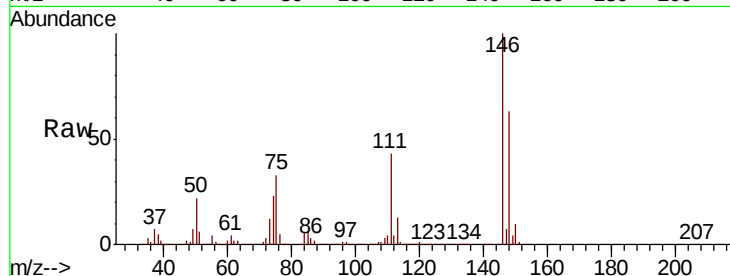
Tgt Ion:146 Resp: 756101

Ion Ratio Lower Upper

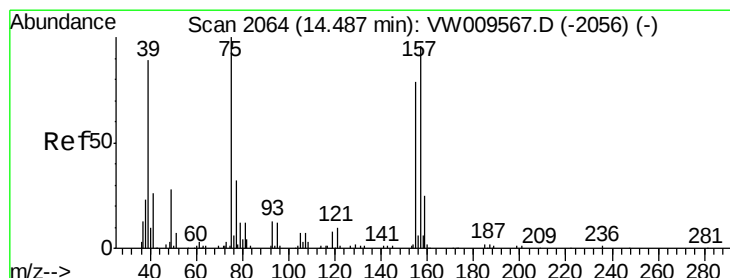
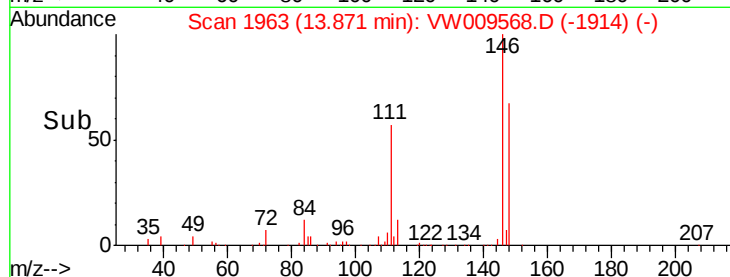
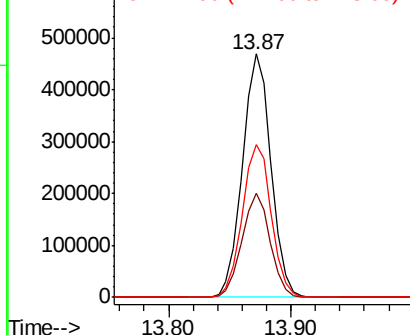
146 100

111 42.1 20.4 61.2

148 63.9 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): 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: 103.830 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

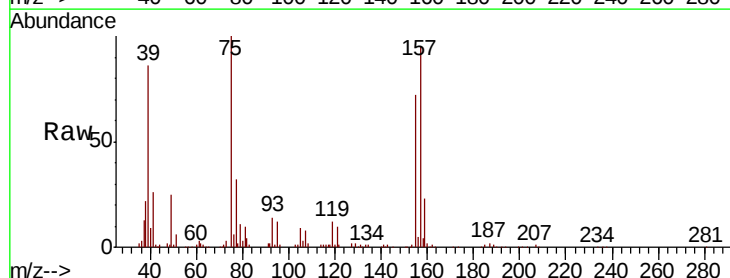
Tgt Ion: 75 Resp: 63539

Ion Ratio Lower Upper

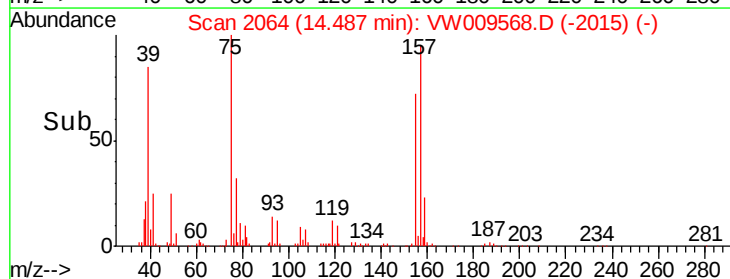
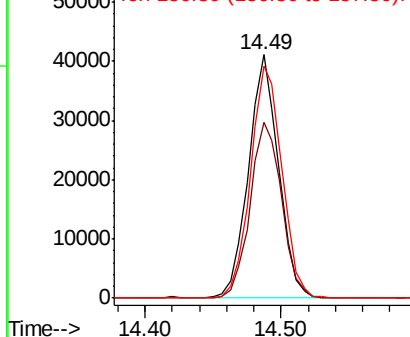
75 100

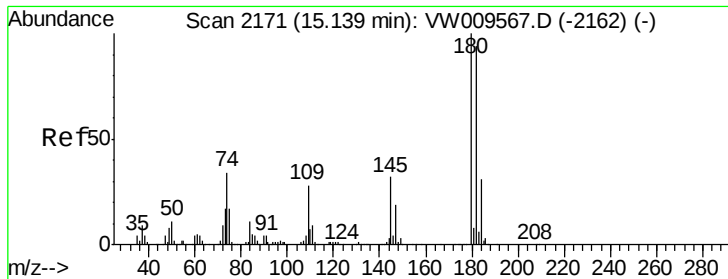
155 75.8 39.3 117.8

157 99.9 49.5 148.5



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

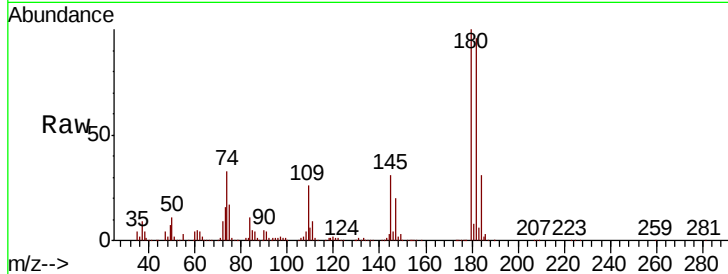




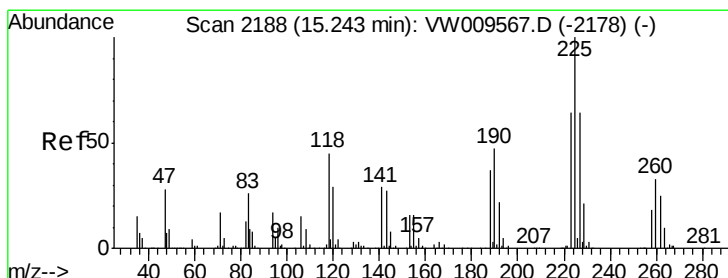
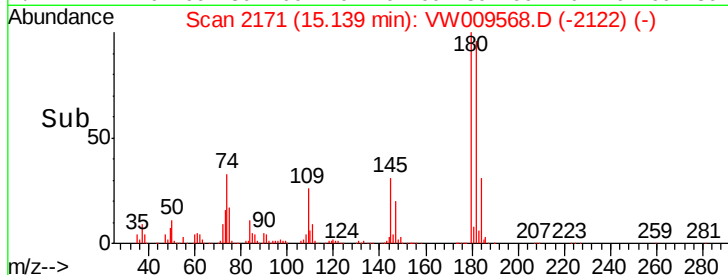
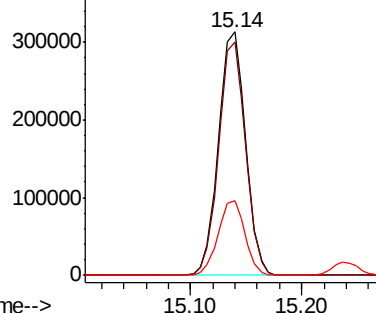
#93
 1,2,4-Trichlorobenzene
 Concen: 102.894 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW009568.D
 Acq: 29 Mar 2019 11:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tgt Ion:180 Resp: 530497
 Ion Ratio Lower Upper
 180 100
 182 95.1 47.9 143.7
 145 30.4 15.0 45.0

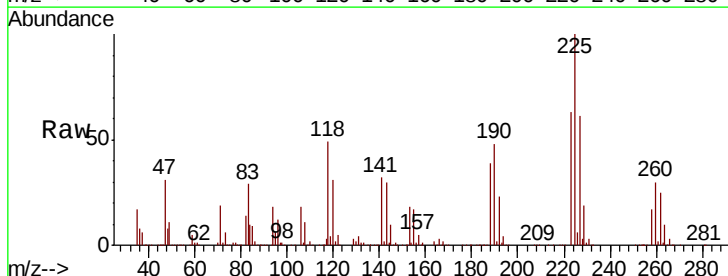


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

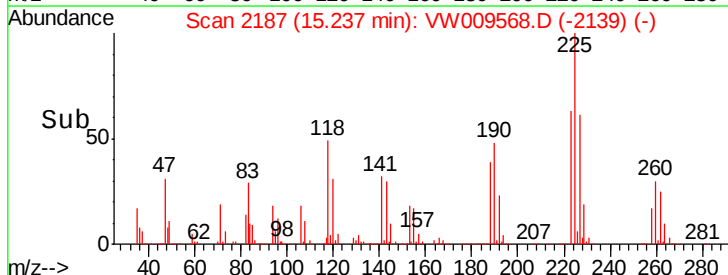
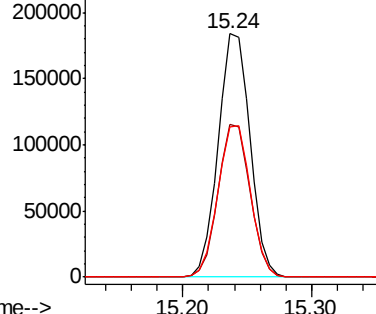


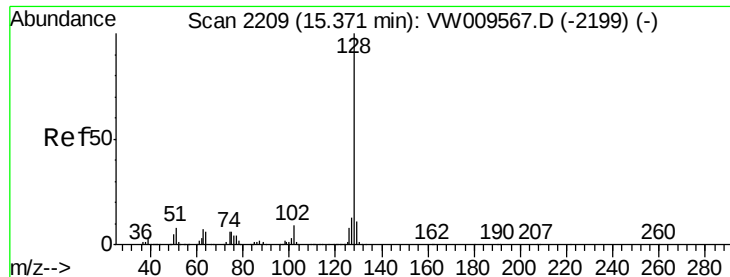
#94
 Hexachlorobutadiene
 Concen: 97.758 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW009568.D
 Acq: 29 Mar 2019 11:43

Tgt Ion:225 Resp: 313308
 Ion Ratio Lower Upper
 225 100
 223 63.2 31.4 94.3
 227 63.6 32.1 96.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

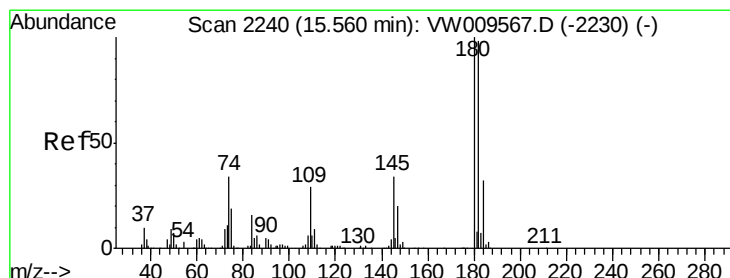
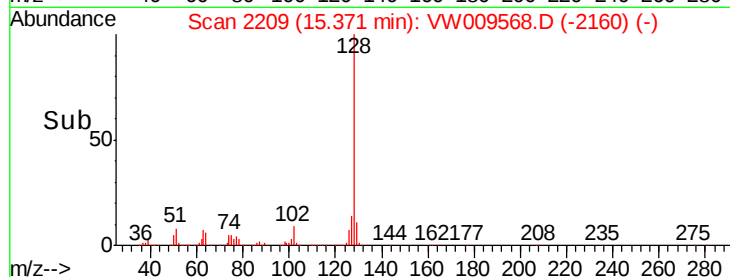
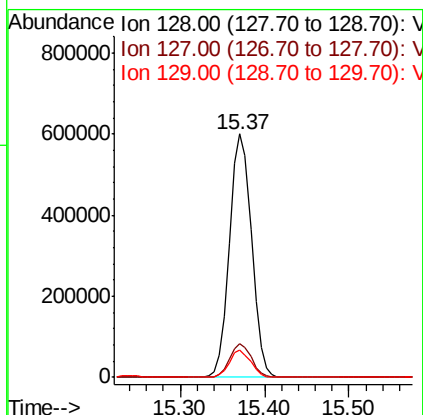
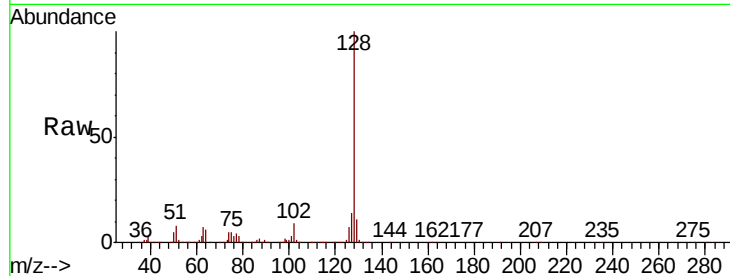




#95
Naphthalene
Concen: 110.506 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion:128 Resp: 1057191
Ion Ratio Lower Upper
128 100
127 13.6 10.8 16.2
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 103.681 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Tgt Ion:180 Resp: 470982
Ion Ratio Lower Upper
180 100
182 95.8 47.3 141.9
145 33.0 16.0 48.0

