

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW032919\
 Data File : VW009565.D
 Acq On : 29 Mar 2019 10:21
 Operator : SY/VA
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Quant Time: Mar 29 12:20:02 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	295406	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	460371	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	422695	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	229122	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	33537	9.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.56%	
35) Dibromofluoromethane	7.88	113	28653	9.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.72%	
50) Toluene-d8	10.32	98	103103	9.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.38%	
62) 4-Bromofluorobenzene	12.62	95	37855	9.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.10%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.01	85	22171	12.836	ug/l 92
3) Chloromethane	2.21	50	25108	10.986	ug/l 96
4) Vinyl Chloride	2.37	62	34565	11.018	ug/l 97
5) Bromomethane	2.78	94	27323	11.531	ug/l 99
6) Chloroethane	2.92	64	25458	10.735	ug/l 98
7) Trichlorofluoromethane	3.25	101	22322	10.255	ug/l 88
8) Diethyl Ether	3.68	74	15226	9.901	ug/l 90
9) 1,1,2-Trichlorotrifluoroet	4.05	101	32478	11.174	ug/l 97
10) Methyl Iodide	4.26	142	42231	10.344	ug/l 94
11) Tert butyl alcohol	5.17	59	4298	22.705	ug/l # 89
12) 1,1-Dichloroethene	4.03	96	28847	10.461	ug/l 93
13) Acrolein	3.88	56	6891	48.100	ug/l # 82
14) Allyl chloride	4.66	41	42870	9.425	ug/l 94
15) Acrylonitrile	5.37	53	32638	47.889	ug/l 98
16) Acetone	4.12	43	36323	47.612	ug/l 97
17) Carbon Disulfide	4.38	76	83444	10.832	ug/l 99
18) Methyl Acetate	4.67	43	15219	8.541	ug/l 99
19) Methyl tert-butyl Ether	5.42	73	38453	9.650	ug/l 94
20) Methylene Chloride	4.91	84	38083	12.652	ug/l 95
21) trans-1,2-Dichloroethene	5.42	96	29631	9.998	ug/l 92
22) Diisopropyl ether	6.31	45	93614	9.420	ug/l 98
23) Vinyl Acetate	6.25	43	276642	44.173	ug/l 98
24) 1,1-Dichloroethane	6.21	63	59031	10.139	ug/l 99
25) 2-Butanone	7.17	43	48390	46.589	ug/l 94
26) 2,2-Dichloropropane	7.17	77	34065	10.226	ug/l 100
27) cis-1,2-Dichloroethene	7.17	96	31848	9.702	ug/l 93
28) Bromochloromethane	7.51	49	23846	9.706	ug/l # 96
29) Tetrahydrofuran	7.53	42	28948	44.523	ug/l 99
30) Chloroform	7.67	83	62555	10.447	ug/l 96
31) Cyclohexane	7.95	56	56785	10.925	ug/l # 92
32) 1,1,1-Trichloroethane	7.87	97	50046	10.263	ug/l 98
36) 1,1-Dichloropropene	8.08	75	48083	10.035	ug/l 98
37) Ethyl Acetate	7.25	43	21101	9.375	ug/l 97
38) Carbon Tetrachloride	8.06	117	48169	9.928	ug/l 94

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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)
39) Methylcyclohexane	9.33	83	50293	9.110	ug/l	89
40) Benzene	8.32	78	127602	9.846	ug/l	98
41) Methacrylonitrile	7.49	41	10896	8.136	ug/l #	84
42) 1,2-Dichloroethane	8.40	62	43766	10.119	ug/l	99
43) Isopropyl Acetate	8.42	43	39125	8.971	ug/l	98
44) Trichloroethene	9.09	130	32879	9.830	ug/l	100
45) 1,2-Dichloropropane	9.37	63	33100	10.017	ug/l	100
46) Dibromomethane	9.46	93	17600	9.962	ug/l	94
47) Bromodichloromethane	9.64	83	43458	9.441	ug/l	96
48) Methyl methacrylate	9.44	41	18165	8.401	ug/l	94
49) 1,4-Dioxane	9.45	88	4480	163.999	ug/l #	82
51) 4-Methyl-2-Pentanone	10.21	43	105577	44.163	ug/l	98
52) Toluene	10.39	92	77599	9.336	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	38996	8.510	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	46418	9.114	ug/l	92
55) 1,1,2-Trichloroethane	10.79	97	23541	9.796	ug/l	95
56) Ethyl methacrylate	10.65	69	24223	7.753	ug/l	95
57) 1,3-Dichloropropane	10.93	76	41068	9.505	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	56876	37.160	ug/l	96
59) 2-Hexanone	10.97	43	69933	41.117	ug/l	97
60) Dibromochloromethane	11.13	129	27492	9.422	ug/l	98
61) 1,2-Dibromoethane	11.24	107	22277	9.606	ug/l	98
64) Tetrachloroethene	10.86	164	28555	10.173	ug/l	95
65) Chlorobenzene	11.66	112	89755	10.162	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	32245	9.936	ug/l	99
67) Ethyl Benzene	11.73	91	150198	9.283	ug/l	100
68) m/p-Xylenes	11.84	106	114934	18.693	ug/l	98
69) o-Xylene	12.16	106	52325	9.072	ug/l	99
70) Styrene	12.18	104	86977	8.925	ug/l	98
71) Bromoform	12.35	173	15973	9.121	ug/l #	99
73) Isopropylbenzene	12.46	105	144138	8.517	ug/l	100
74) N-amyl acetate	12.27	43	35847	8.400	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	28503	9.550	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	37305	17.215	ug/l #	100
77) Bromobenzene	12.75	156	35313	9.362	ug/l	100
78) n-propylbenzene	12.80	91	181265	8.695	ug/l	99
79) 2-Chlorotoluene	12.90	91	104705	8.938	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	125609	8.771	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	7785	8.387	ug/l	90
82) 4-Chlorotoluene	12.99	91	110784	8.980	ug/l	99
83) tert-Butylbenzene	13.21	119	103212	8.470	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	127711	8.636	ug/l	99
85) sec-Butylbenzene	13.39	105	161963	8.752	ug/l	99
86) p-Isopropyltoluene	13.50	119	138392	8.604	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	72728	9.367	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	75092	9.727	ug/l	98
89) n-Butylbenzene	13.83	91	135819	8.574	ug/l	99
90) Hexachloroethane	14.10	117	27126	9.104	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	64908	9.286	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	5158	9.386	ug/l	96

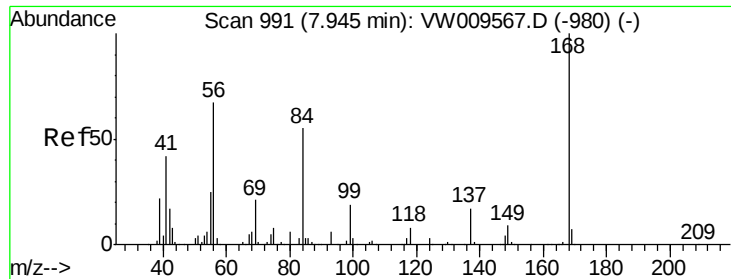
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW032919\
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Acq On : 29 Mar 2019 10:21
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Quant Title : SW846 8260
QLast Update : Fri Mar 29 12:17:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	38906	8.403	ug/l	92
94) Hexachlorobutadiene	15.24	225	26789	9.308	ug/l	96
95) Naphthalene	15.37	128	65084	7.576	ug/l	98
96) 1,2,3-Trichlorobenzene	15.56	180	35870	8.793	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: VW009565.D

Acq: 29 Mar 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

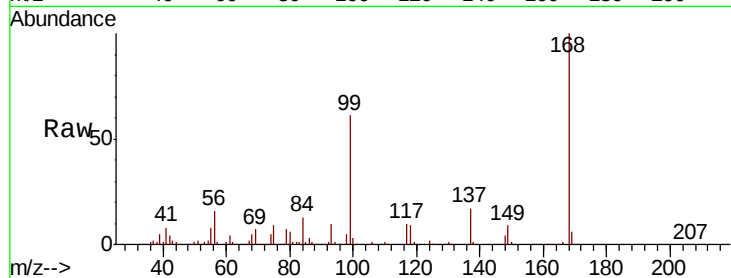
VSTDIC010

Tgt Ion:168 Resp: 295406

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

7.95

150000

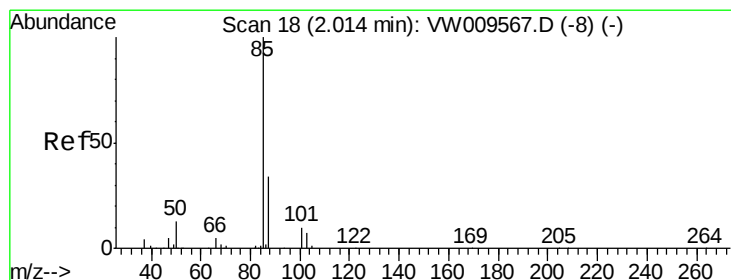
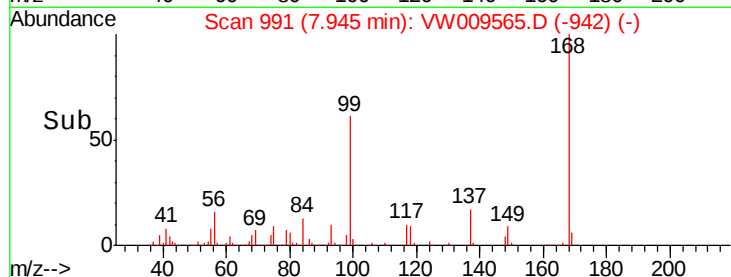
100000

50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 12.836 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW009565.D

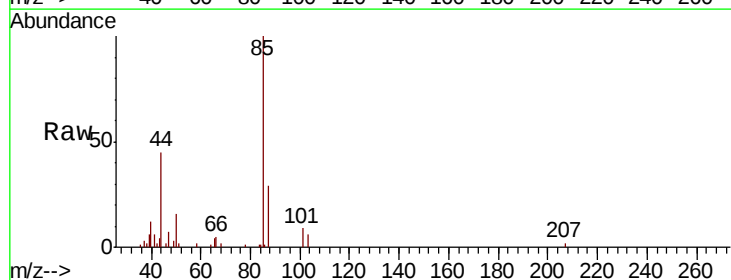
Acq: 29 Mar 2019 10:21

Tgt Ion: 85 Resp: 22171

Ion Ratio Lower Upper

85 100

87 29.0 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

6000

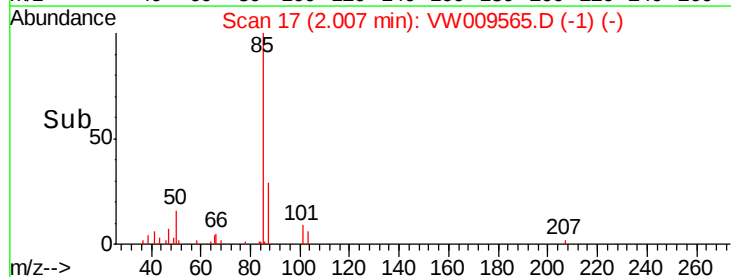
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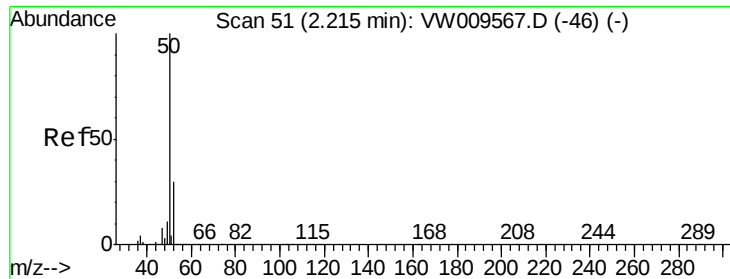
2000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 10.986 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

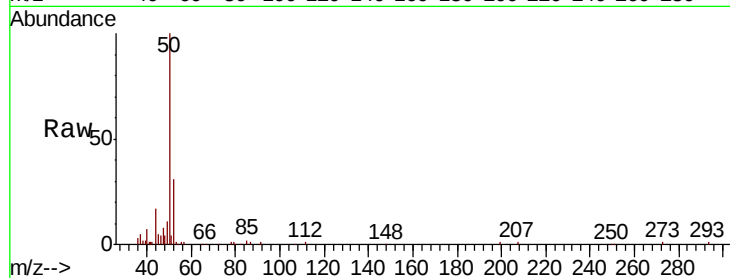
VSTDIC010

Tgt Ion: 50 Resp: 25108

Ion Ratio Lower Upper

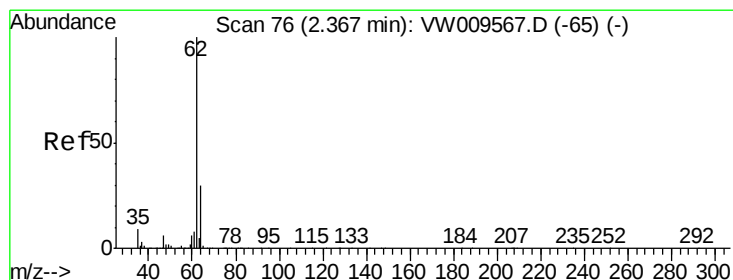
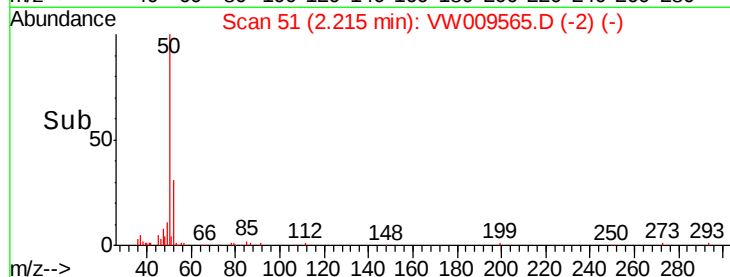
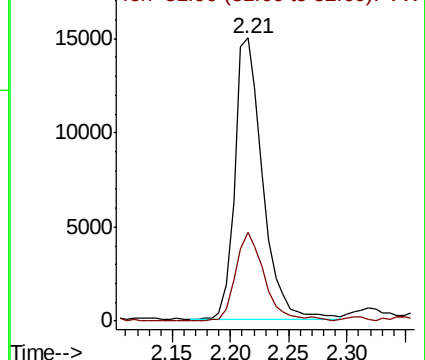
50 100

52 31.6 27.2 40.8



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 11.018 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW009565.D

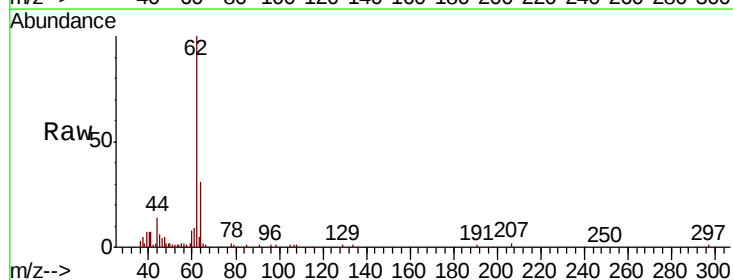
Acq: 29 Mar 2019 10:21

Tgt Ion: 62 Resp: 34565

Ion Ratio Lower Upper

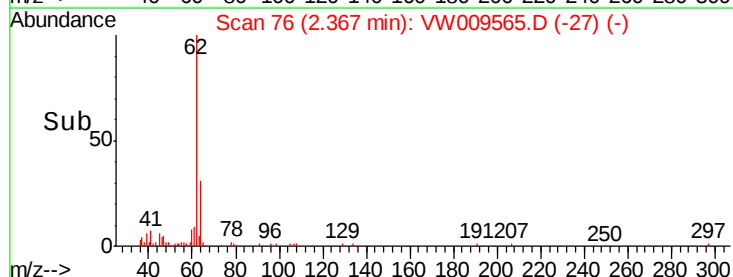
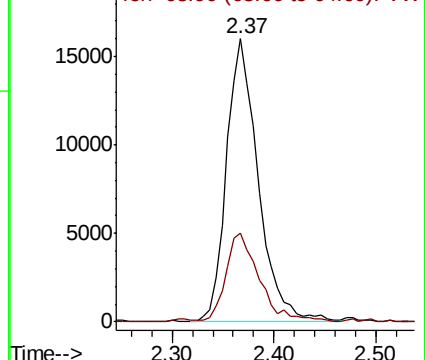
62 100

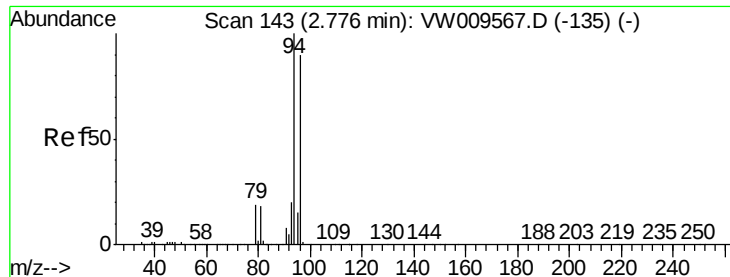
64 31.1 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 11.531 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

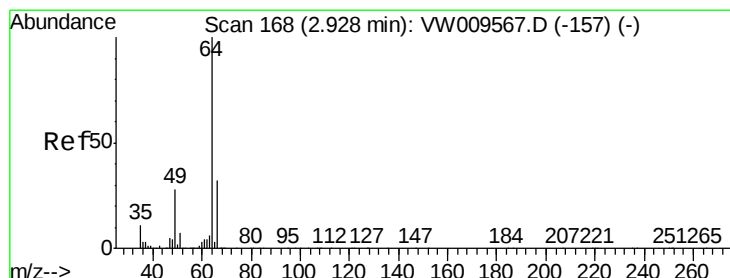
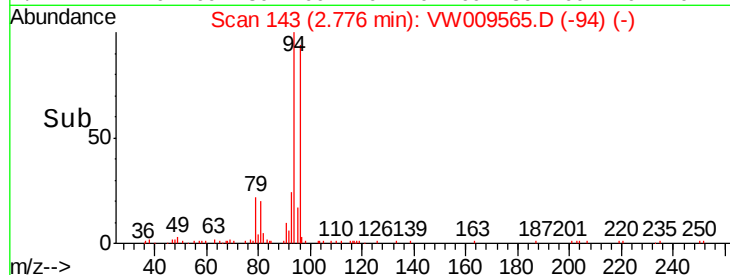
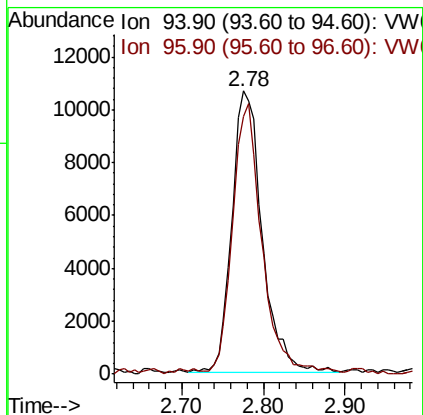
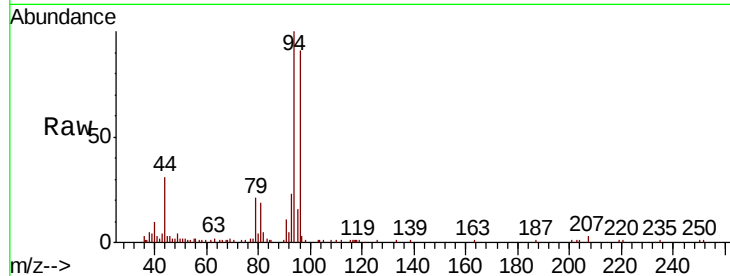
VSTDIC010

Tgt Ion: 94 Resp: 27323

Ion Ratio Lower Upper

94 100

96 90.6 71.4 107.2



#6

Chloroethane

Concen: 10.735 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW009565.D

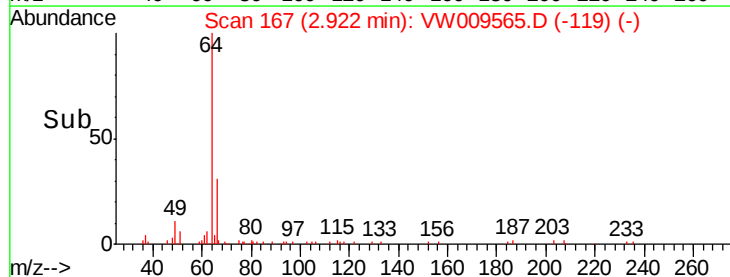
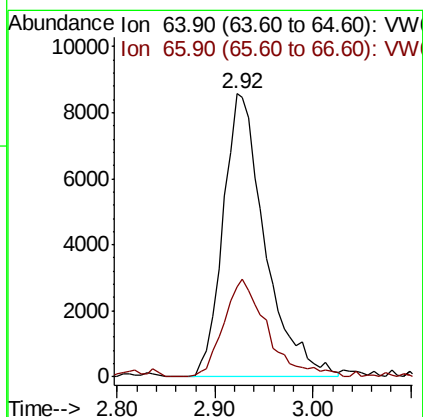
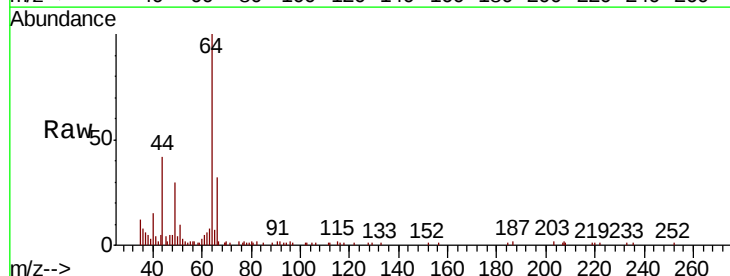
Acq: 29 Mar 2019 10:21

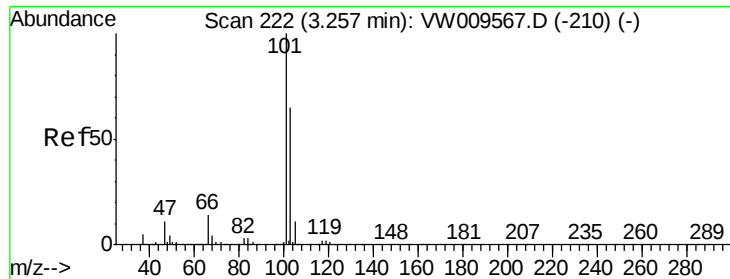
Tgt Ion: 64 Resp: 25458

Ion Ratio Lower Upper

64 100

66 31.7 26.2 39.2



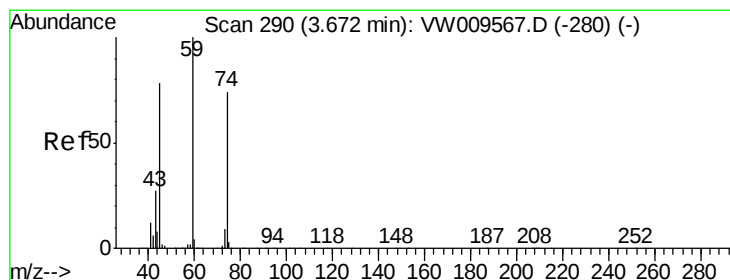
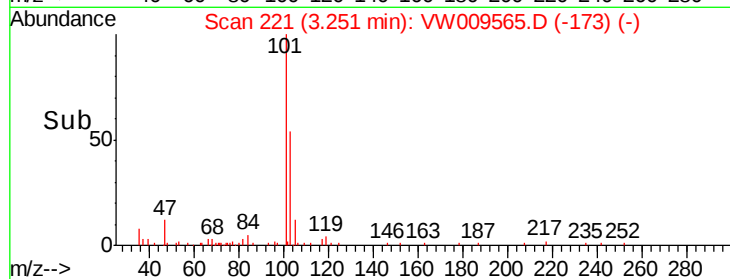
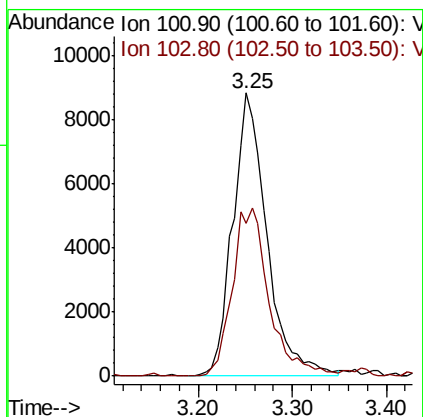
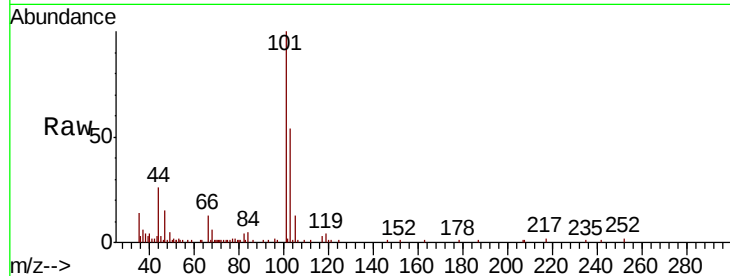


#7

Trichlorofluoromethane
 Concen: 10.255 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW009565.D
 Acq: 29 Mar 2019 10:21

Instrument :
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 ClientSampleId :
 VSTDIC010

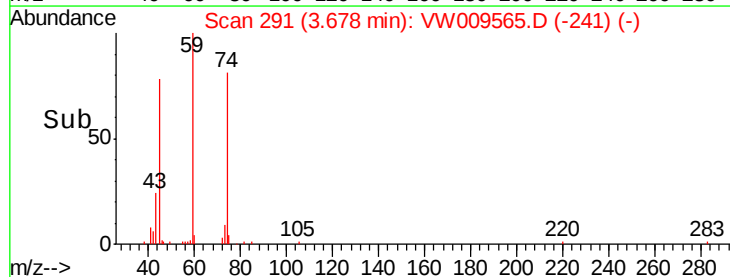
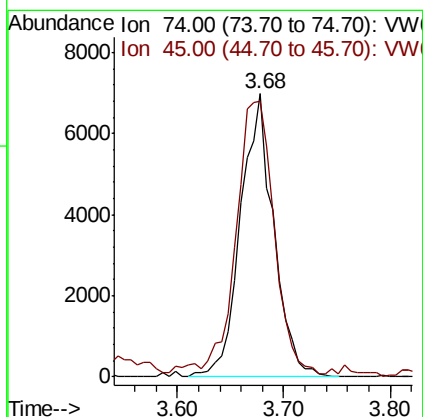
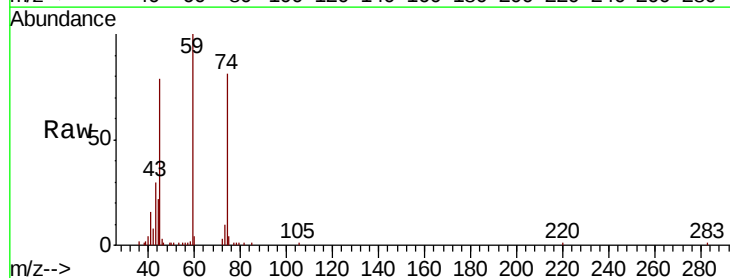
Tgt Ion: 101 Resp: 22322
 Ion Ratio Lower Upper
 101 100
 103 54.0 50.5 75.7

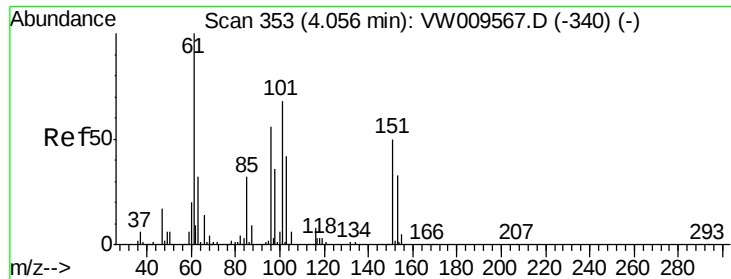


#8

Diethyl Ether
 Concen: 9.901 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.01 min
 Lab File: VW009565.D
 Acq: 29 Mar 2019 10:21

Tgt Ion: 74 Resp: 15226
 Ion Ratio Lower Upper
 74 100
 45 111.6 50.6 151.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.174 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

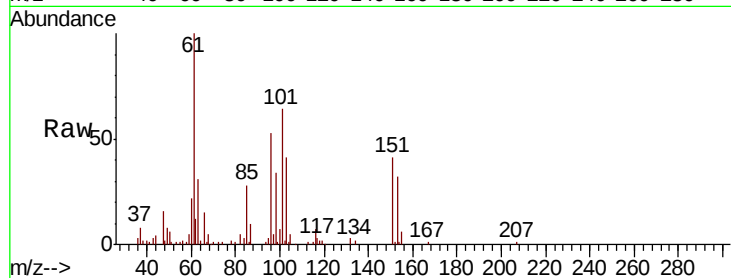
Tgt Ion:101 Resp: 32478

Ion Ratio Lower Upper

101 100

85 41.9 35.1 52.7

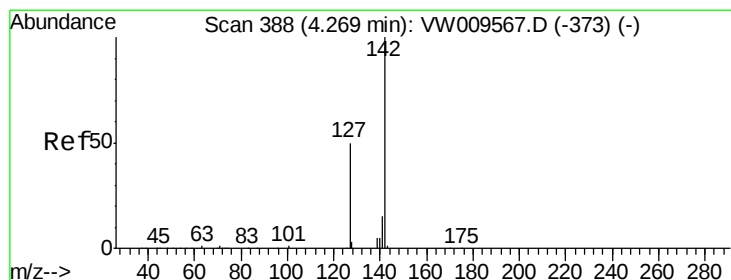
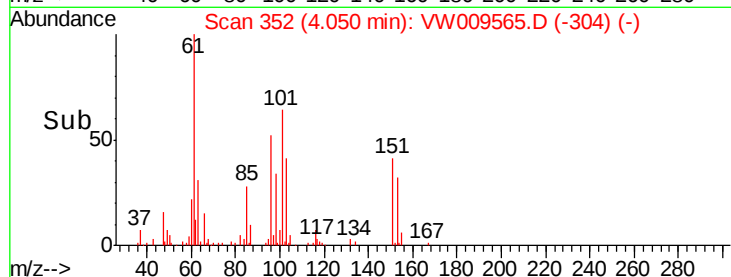
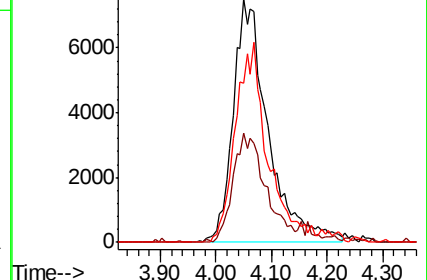
151 75.9 62.9 94.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 10.344 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

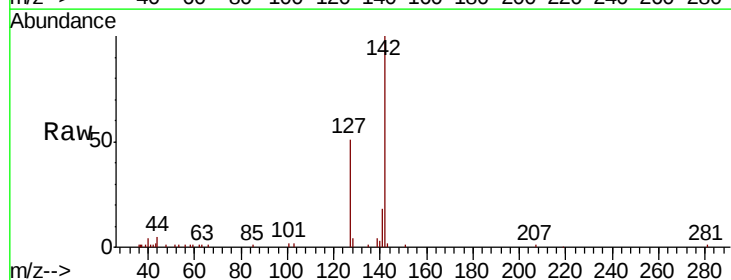
Tgt Ion:142 Resp: 42231

Ion Ratio Lower Upper

142 100

127 49.5 35.9 53.9

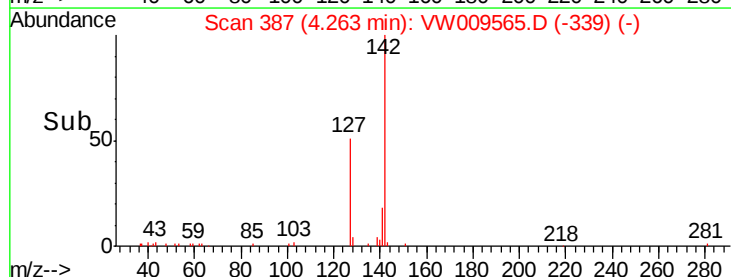
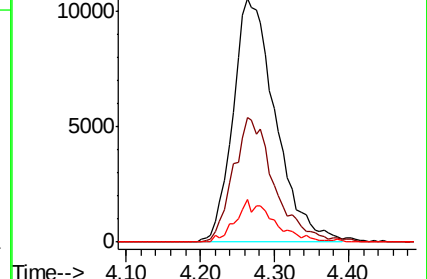
141 15.4 11.4 17.2

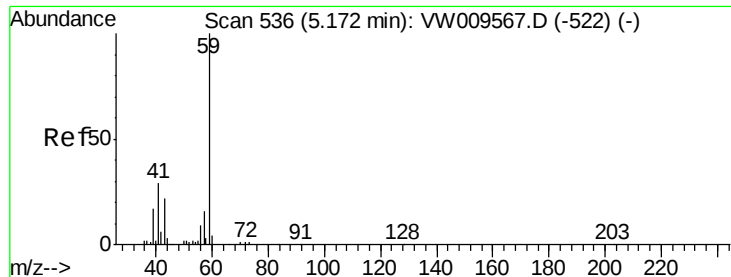


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

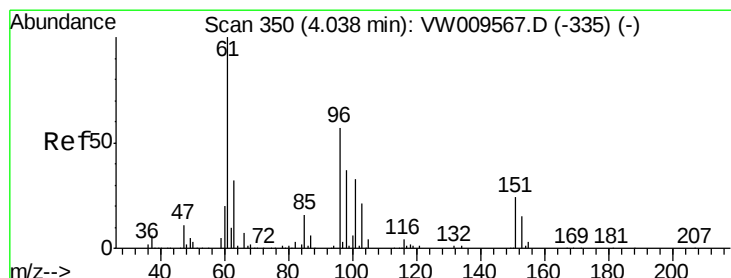
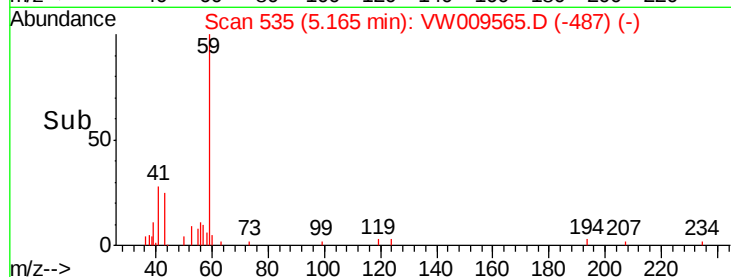
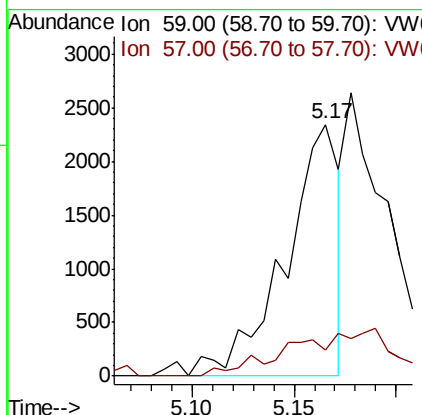
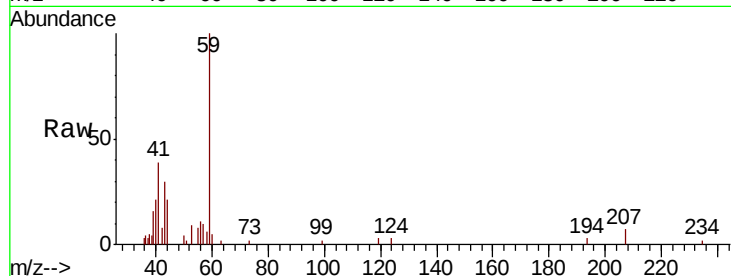




#11
Tert butyl alcohol
Concen: 22.705 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW009565.D
Acq: 29 Mar 2019 10:21

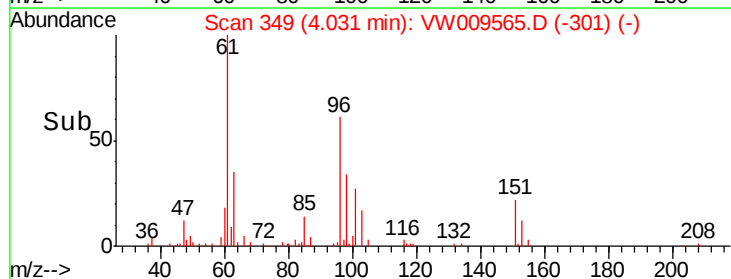
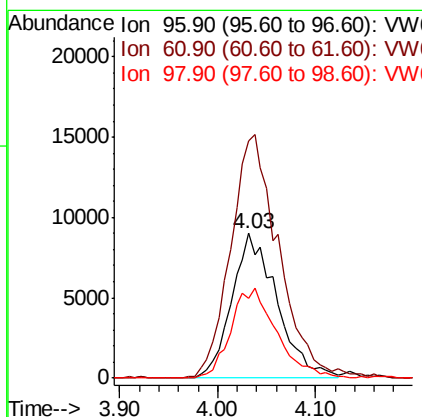
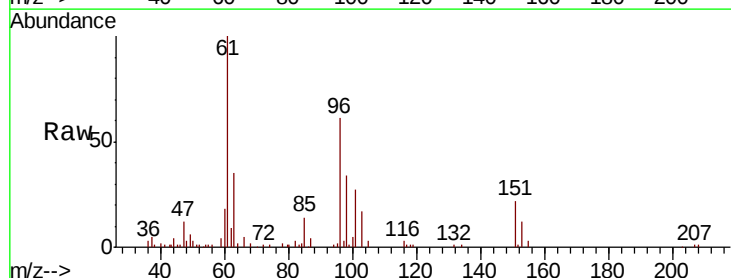
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

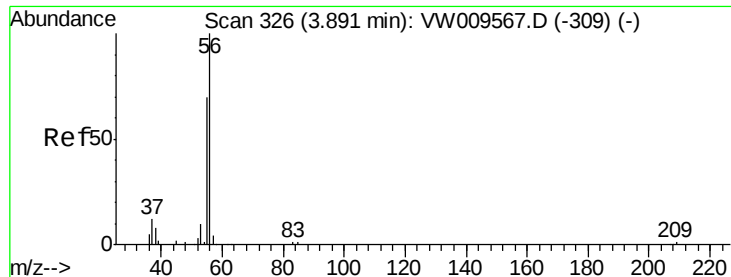
Tgt Ion: 59 Resp: 4298
Ion Ratio Lower Upper
59 100
57 16.0 9.4 14.0#



#12
1,1-Dichloroethene
Concen: 10.461 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW009565.D
Acq: 29 Mar 2019 10:21

Tgt Ion: 96 Resp: 28847
Ion Ratio Lower Upper
96 100
61 163.1 138.0 207.0
98 55.2 49.8 74.8





#13

Acrolein

Concen: 48.100 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

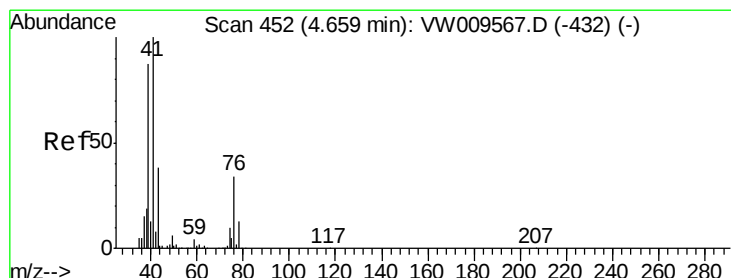
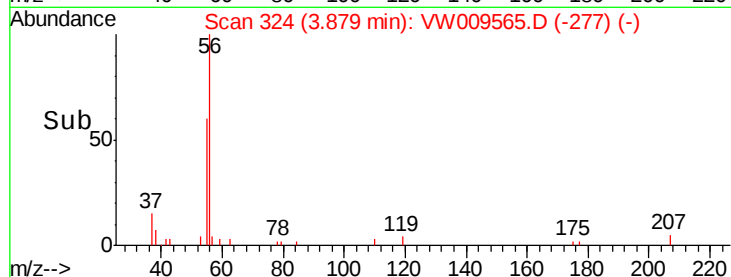
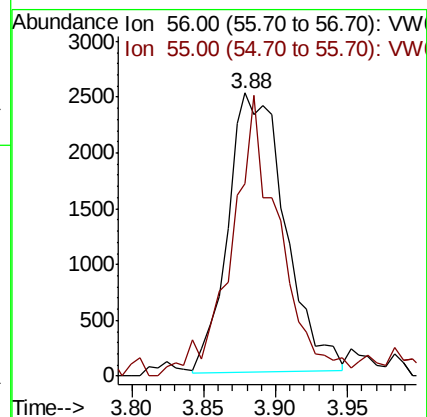
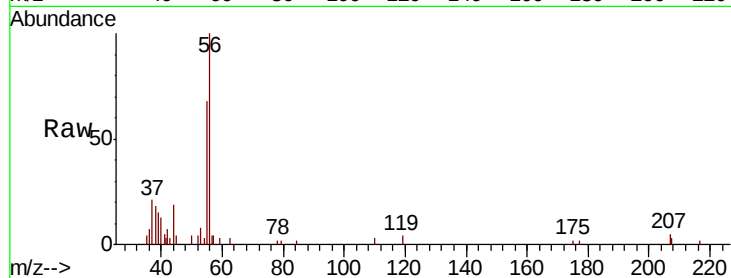
VSTDIC010

Tgt Ion: 56 Resp: 6891

Ion Ratio Lower Upper

56 100

55 83.8 55.2 82.8#



#14

Allyl chloride

Concen: 9.425 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

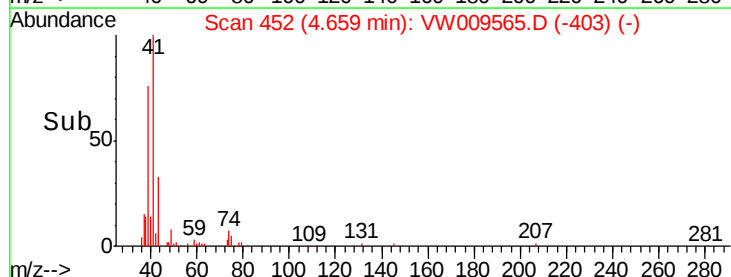
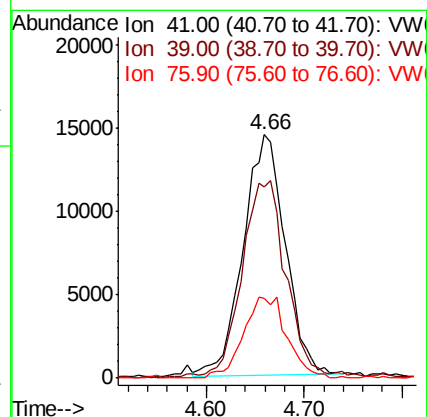
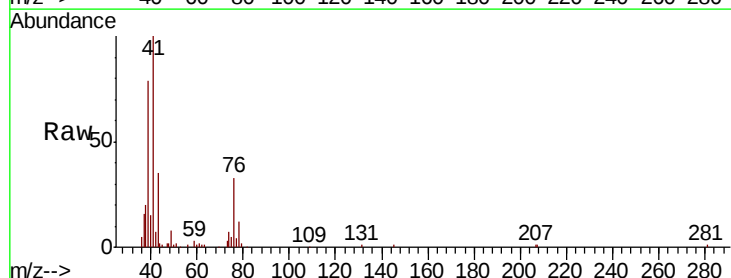
Tgt Ion: 41 Resp: 42870

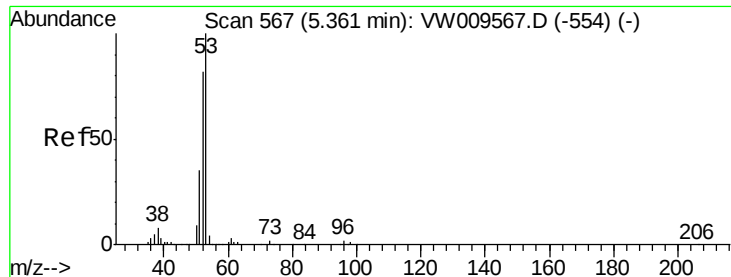
Ion Ratio Lower Upper

41 100

39 86.7 63.8 95.6

76 34.9 27.8 41.6





#15

Acrylonitrile

Concen: 47.889 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

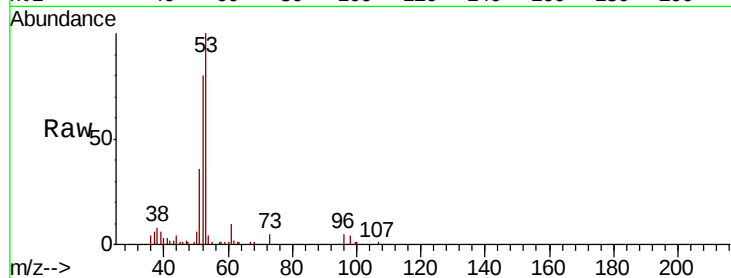
Tgt Ion: 53 Resp: 32638

Ion Ratio Lower Upper

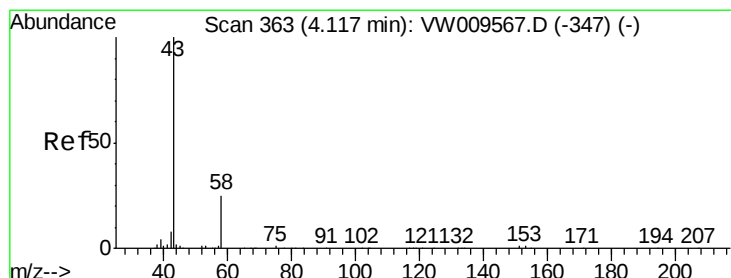
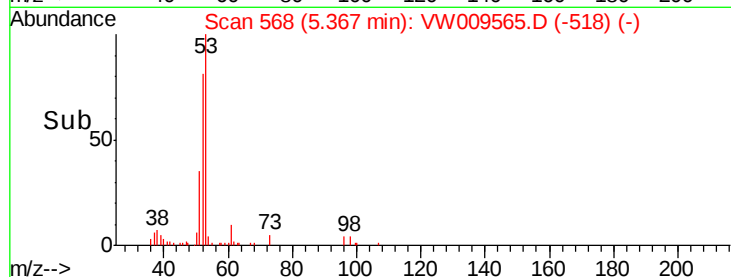
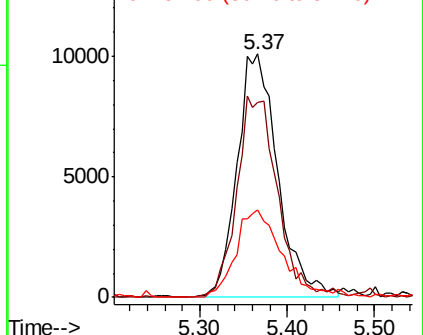
53 100

52 82.4 67.6 101.4

51 39.9 30.6 45.8



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



#16

Acetone

Concen: 47.612 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW009565.D

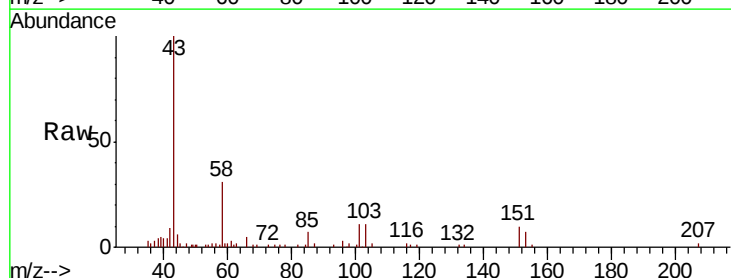
Acq: 29 Mar 2019 10:21

Tgt Ion: 43 Resp: 36323

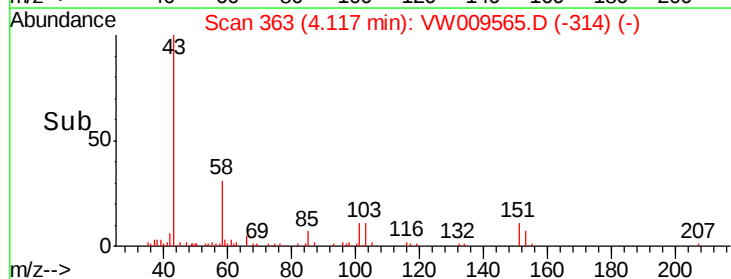
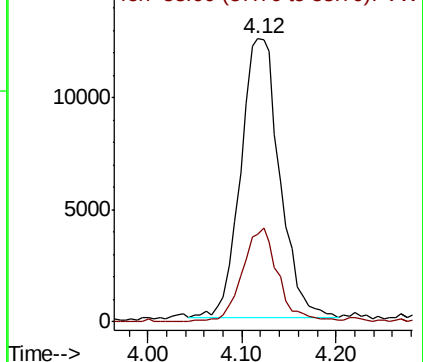
Ion Ratio Lower Upper

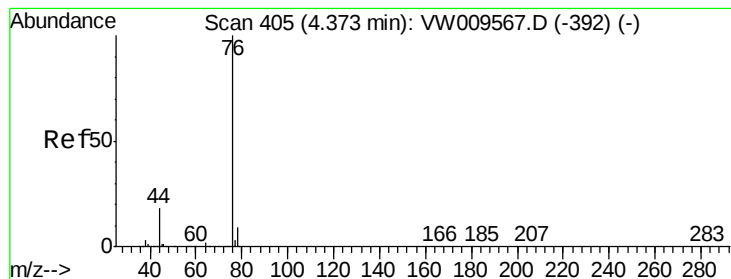
43 100

58 31.2 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 10.832 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

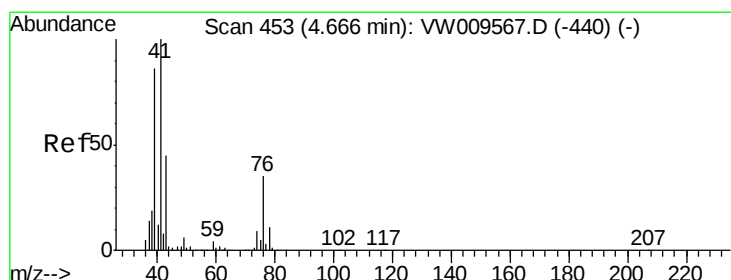
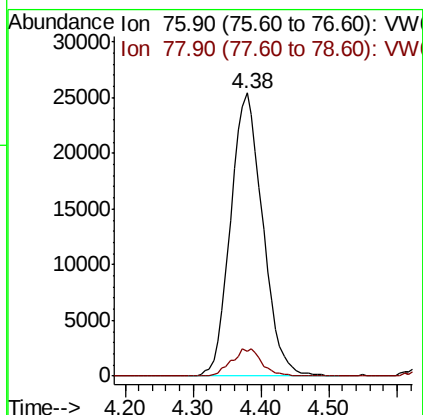
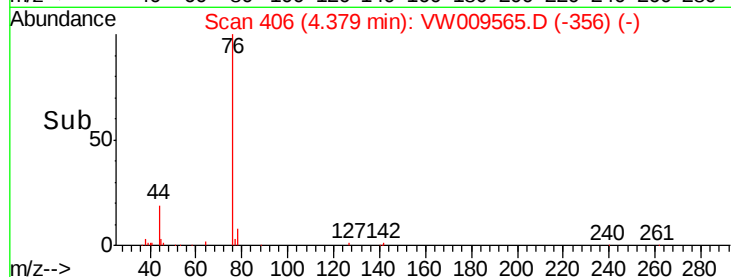
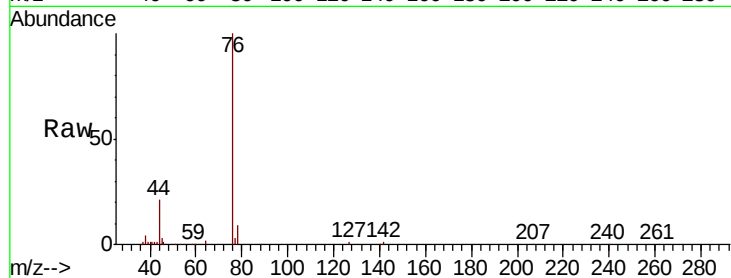
VSTDIC010

Tgt Ion: 76 Resp: 83444

Ion Ratio Lower Upper

76 100

78 8.6 6.6 9.8



#18

Methyl Acetate

Concen: 8.541 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW009565.D

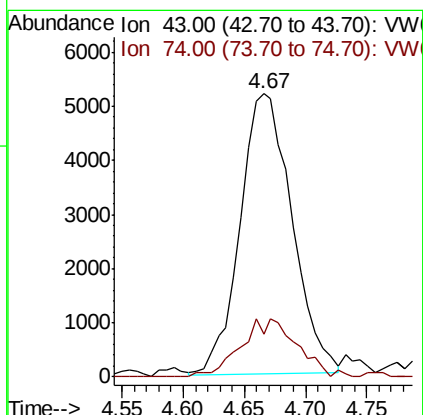
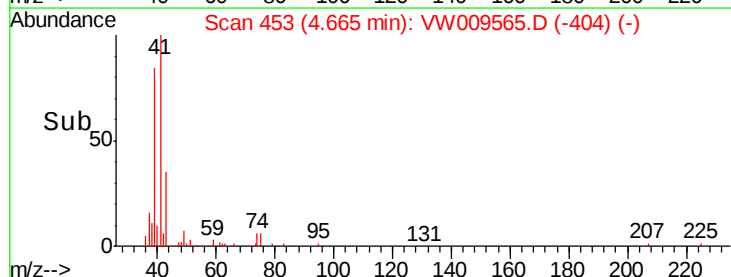
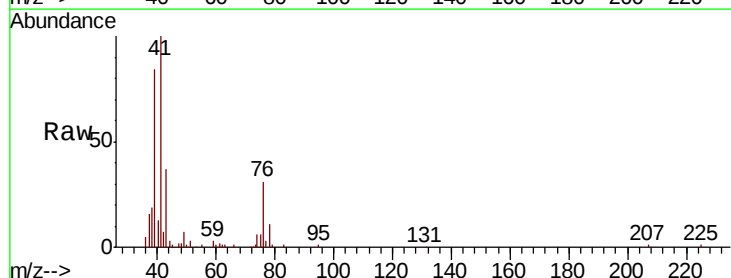
Acq: 29 Mar 2019 10:21

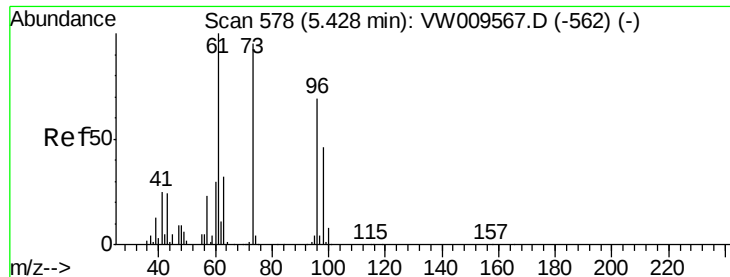
Tgt Ion: 43 Resp: 15219

Ion Ratio Lower Upper

43 100

74 22.6 17.7 26.5

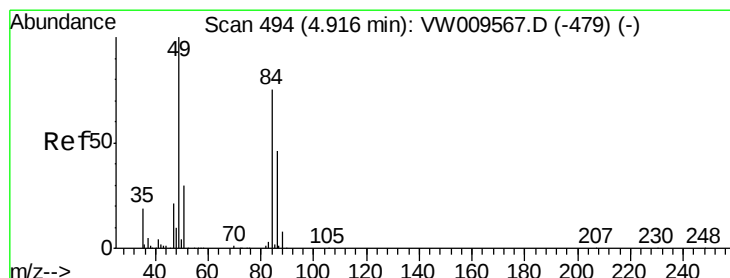
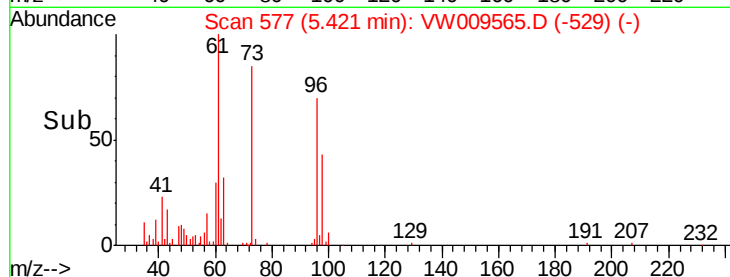
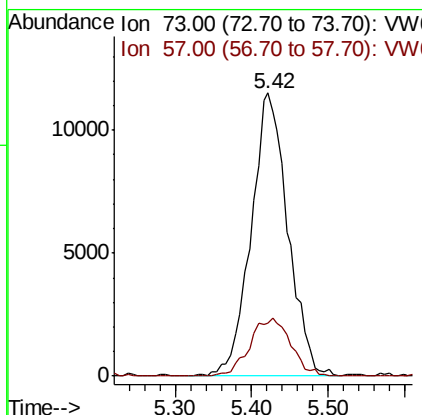
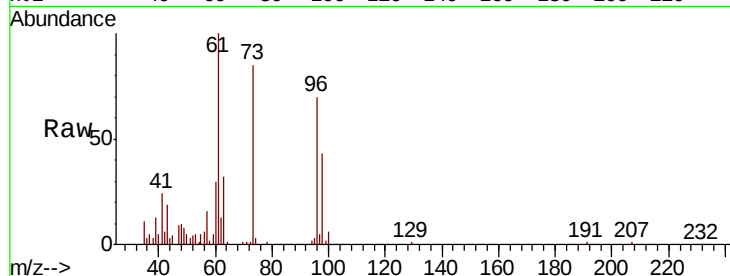




#19
Methyl tert-butyl Ether
Concen: 9.650 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW009565.D
Acq: 29 Mar 2019 10:21

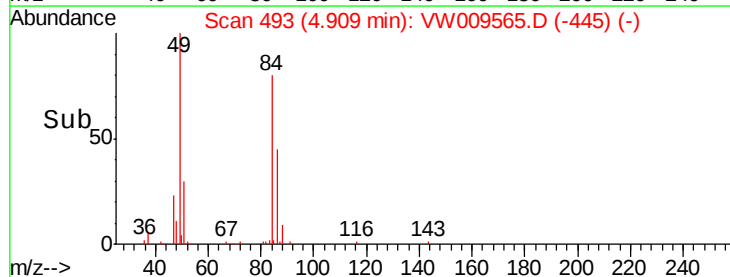
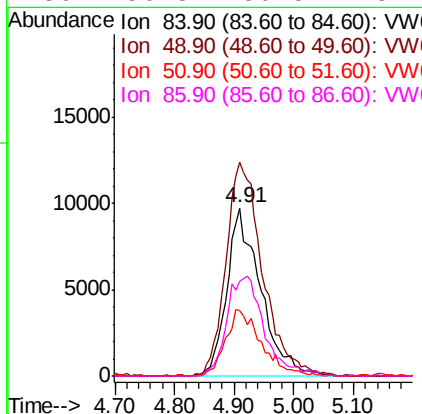
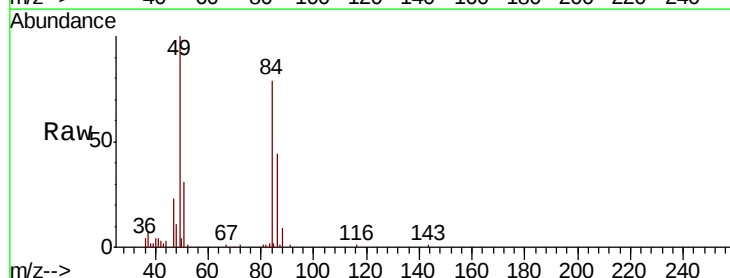
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

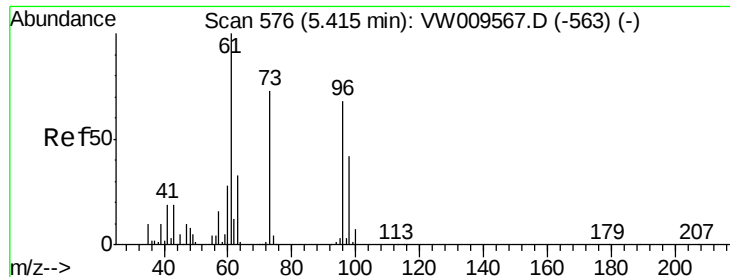
Tgt Ion: 73 Resp: 38453
Ion Ratio Lower Upper
73 100
57 18.6 17.0 25.6



#20
Methylene Chloride
Concen: 12.652 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW009565.D
Acq: 29 Mar 2019 10:21

Tgt Ion: 84 Resp: 38083
Ion Ratio Lower Upper
84 100
49 127.2 99.1 148.7
51 39.1 28.7 43.1
86 56.3 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 9.998 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

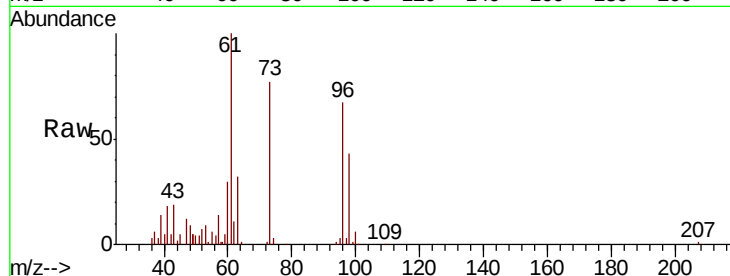
Tgt Ion: 96 Resp: 29631

Ion Ratio Lower Upper

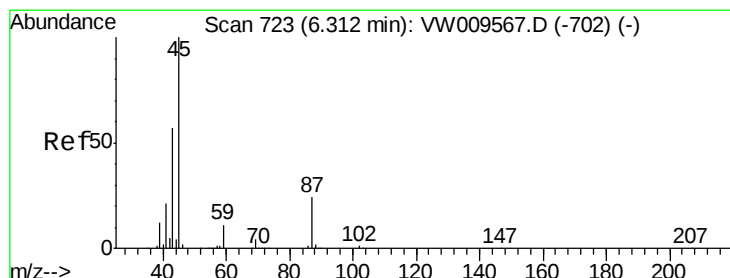
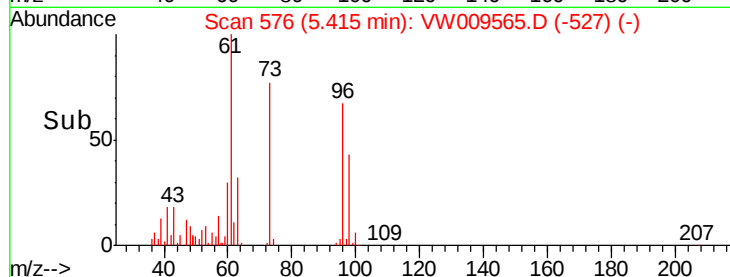
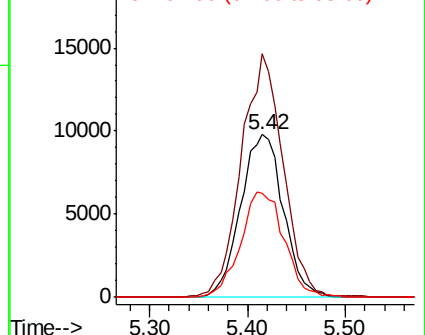
96 100

61 148.9 108.2 162.4

98 64.3 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: 9.420 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

Tgt Ion: 45 Resp: 93614

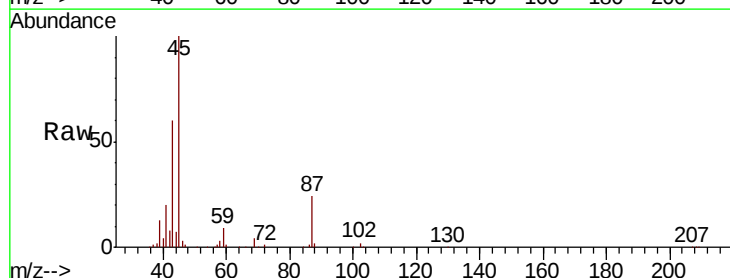
Ion Ratio Lower Upper

45 100

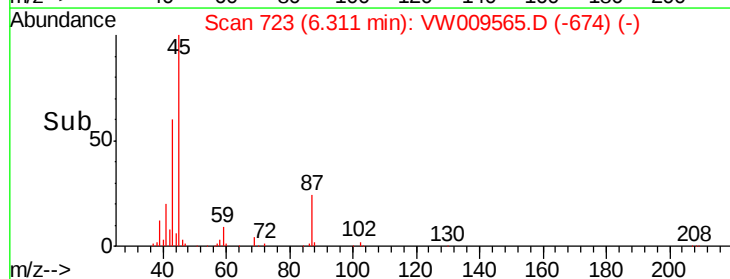
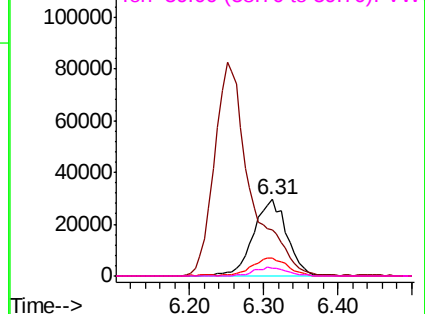
43 59.0 47.9 71.9

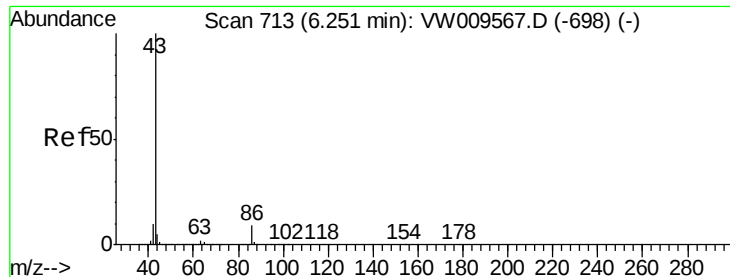
87 23.7 20.6 30.8

59 9.3 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: 44.173 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

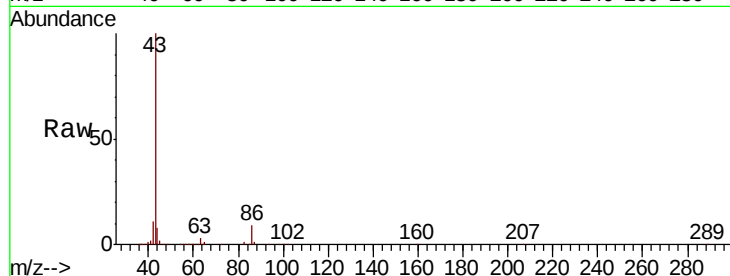
VSTDIC010

Tgt Ion: 43 Resp: 276642

Ion Ratio Lower Upper

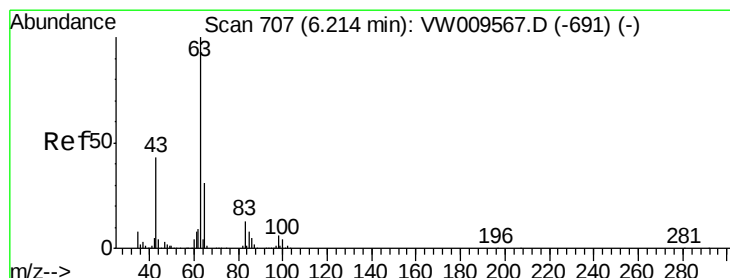
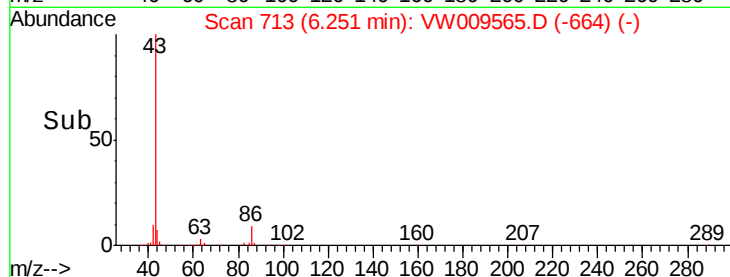
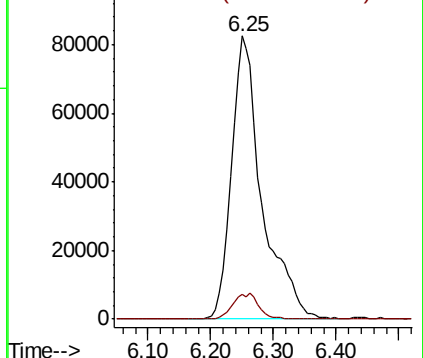
43 100

86 8.9 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: 10.139 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

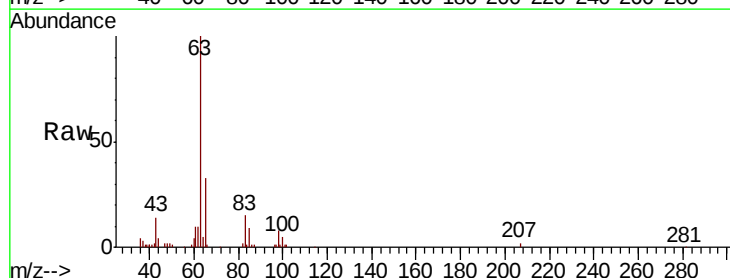
Tgt Ion: 63 Resp: 59031

Ion Ratio Lower Upper

63 100

98 8.0 3.7 11.1

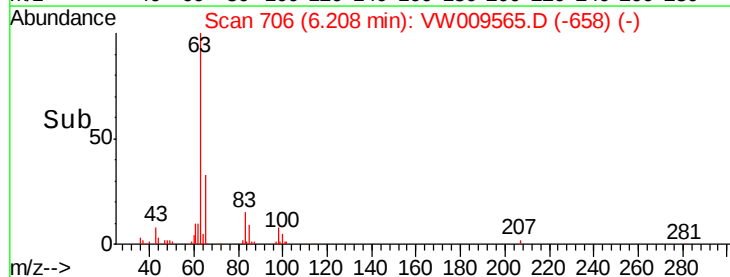
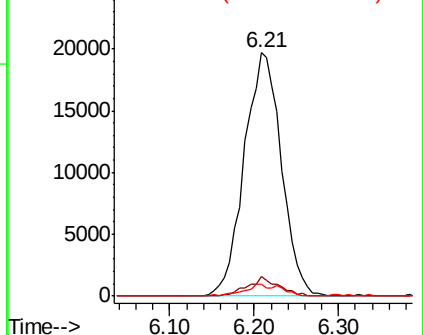
100 5.0 2.4 7.1

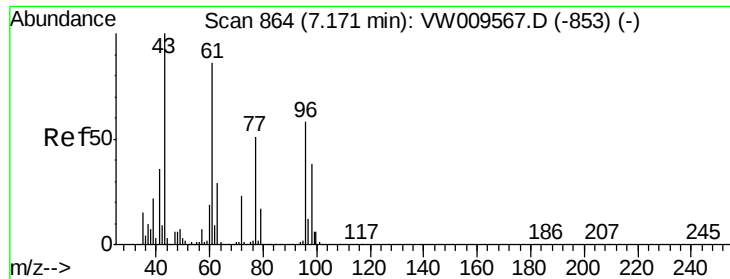


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 46.589 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

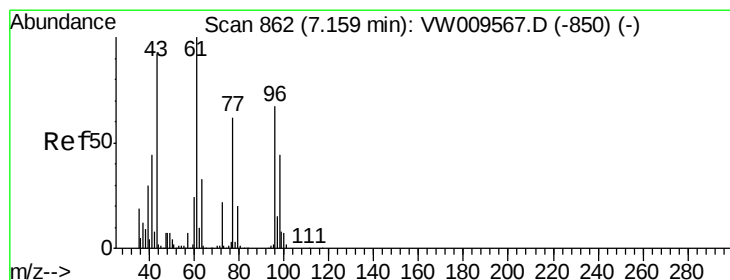
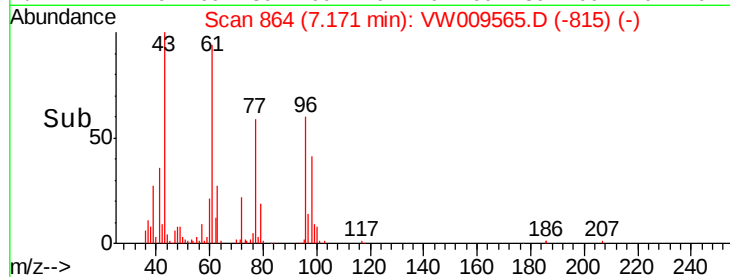
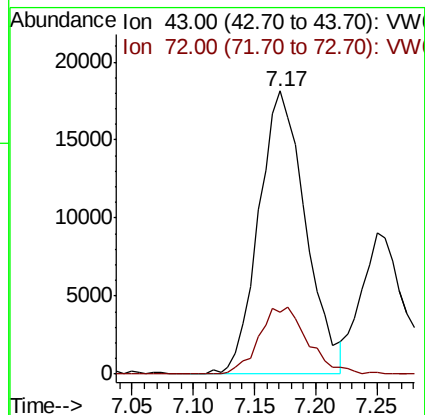
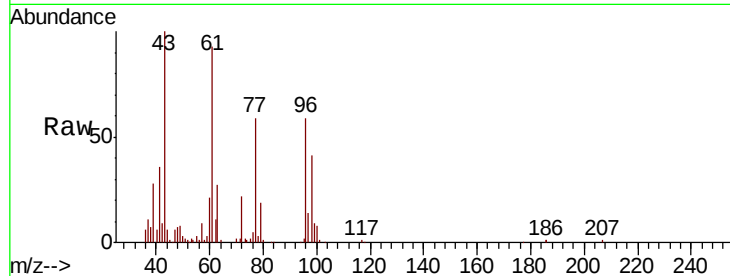
VSTDIC010

Tgt Ion: 43 Resp: 48390

Ion Ratio Lower Upper

43 100

72 22.0 20.0 30.0



#26

2,2-Dichloropropane

Concen: 10.226 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW009565.D

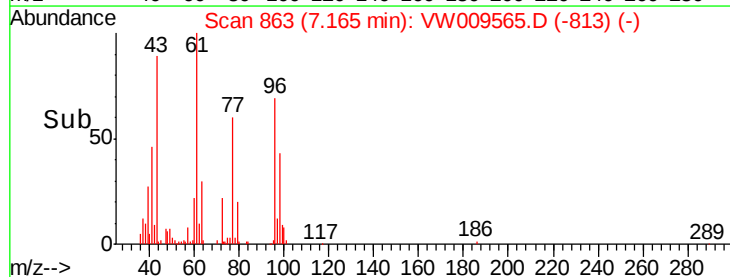
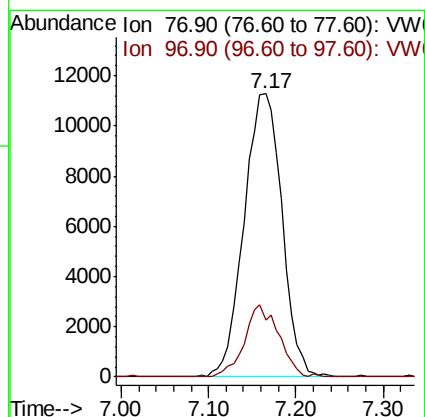
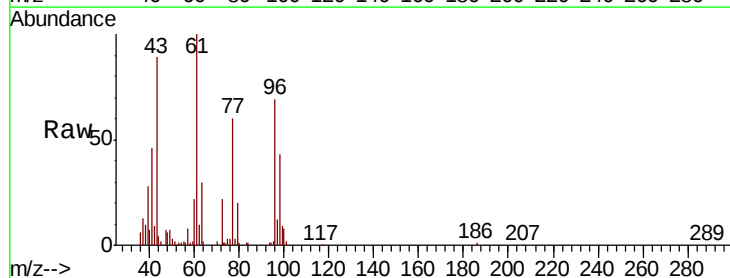
Acq: 29 Mar 2019 10:21

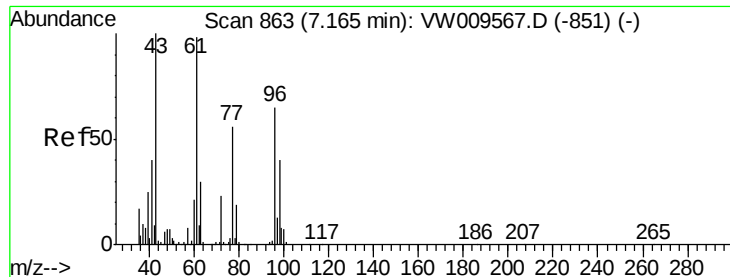
Tgt Ion: 77 Resp: 34065

Ion Ratio Lower Upper

77 100

97 23.0 11.6 34.7



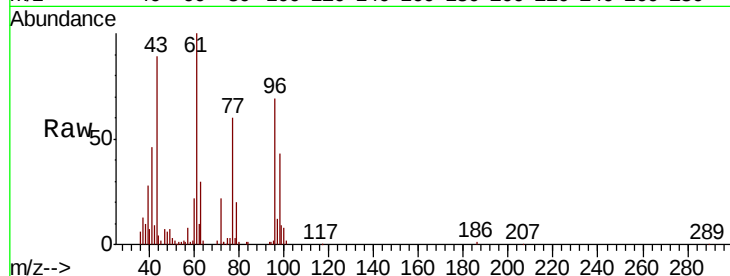


#27

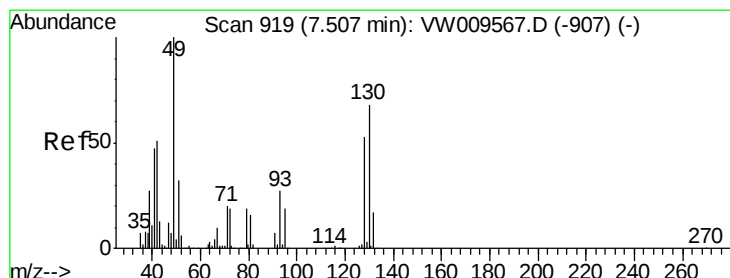
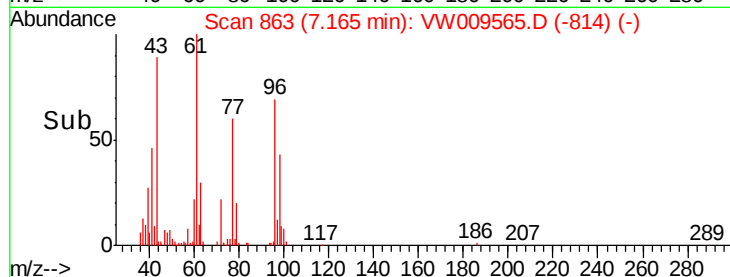
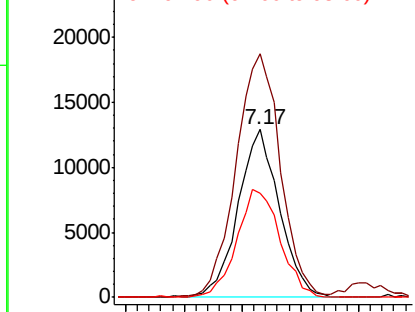
cis-1,2-Dichloroethene
Concen: 9.702 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW009565.D
Acq: 29 Mar 2019 10:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion: 96 Resp: 31848
Ion Ratio Lower Upper
96 100
61 156.1 0.0 289.8
98 67.0 0.0 130.8



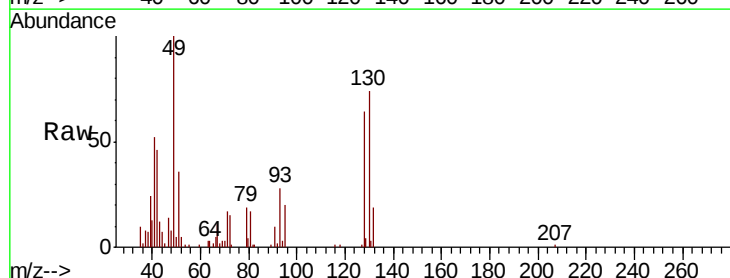
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



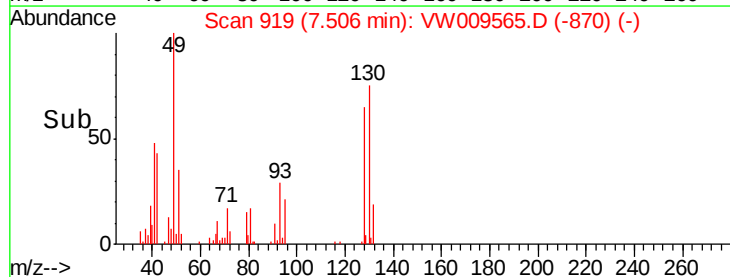
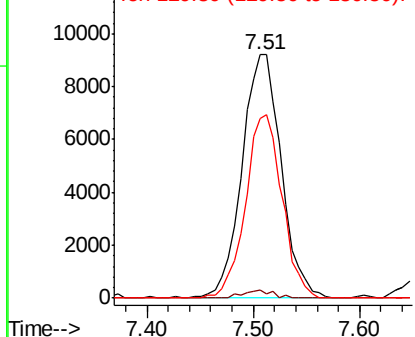
#28

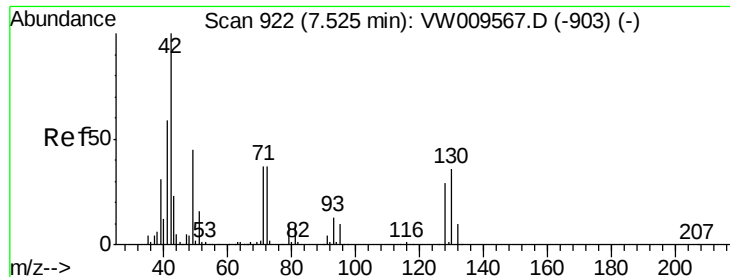
Bromochloromethane
Concen: 9.706 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW009565.D
Acq: 29 Mar 2019 10:21

Tgt Ion: 49 Resp: 23846
Ion Ratio Lower Upper
49 100
129 2.4 0.0 1.4#
130 70.0 58.6 88.0



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

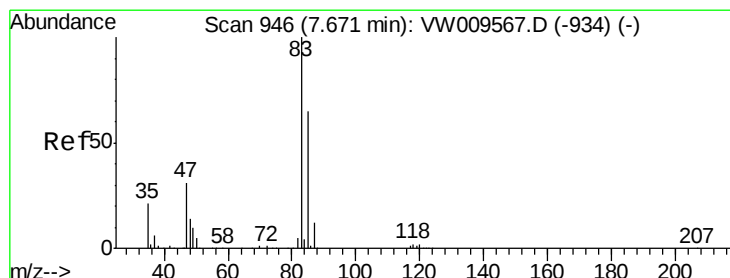
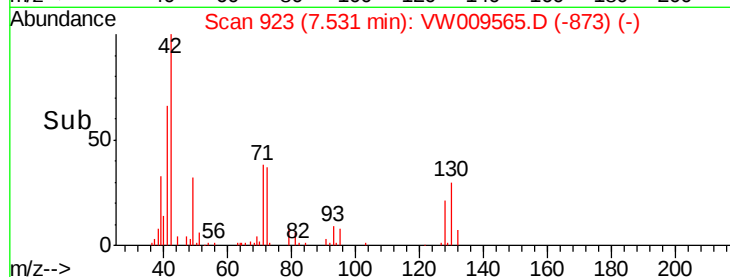
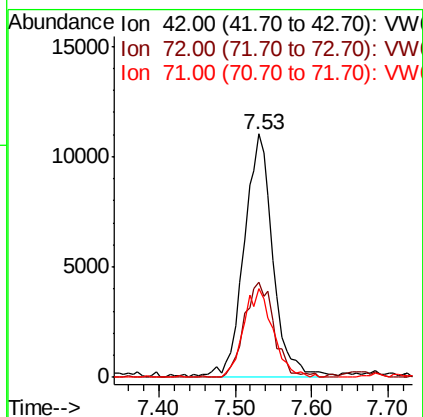
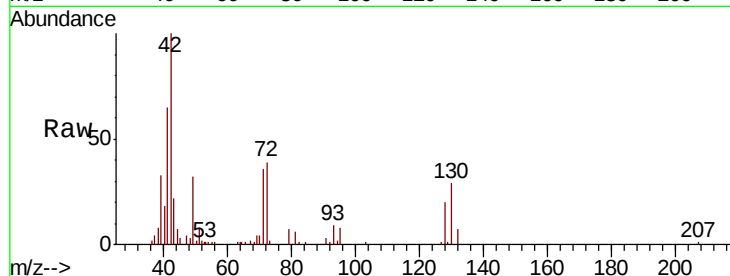




#29
Tetrahydrofuran
Concen: 44.523 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW009565.D
Acq: 29 Mar 2019 10:21

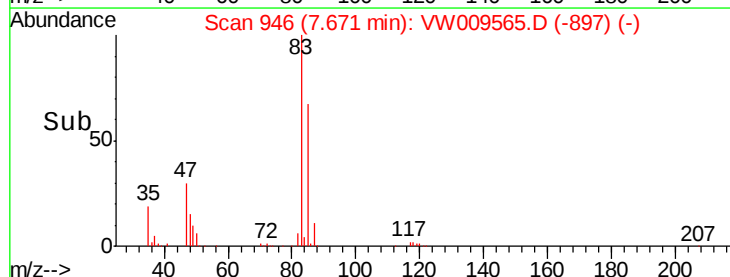
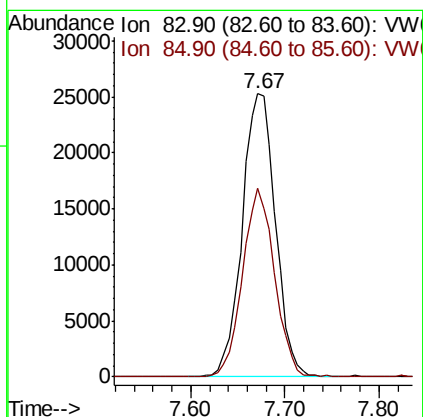
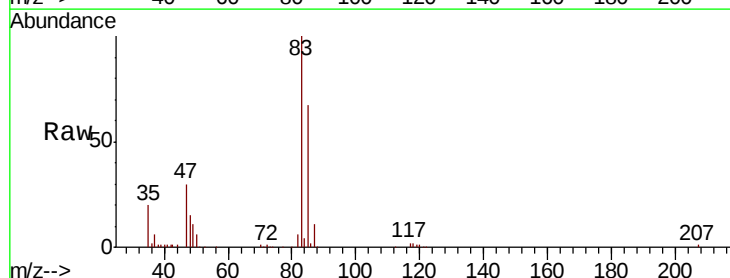
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

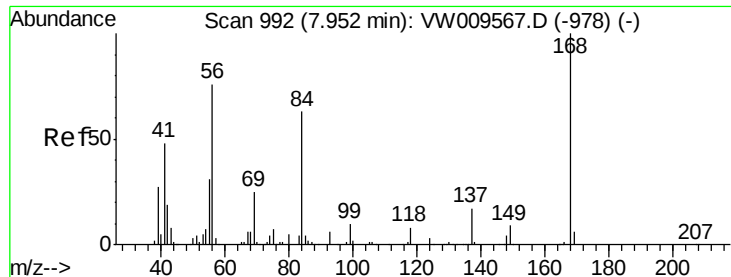
Tgt Ion: 42 Resp: 28948
Ion Ratio Lower Upper
42 100
72 39.4 32.4 48.6
71 36.9 30.1 45.1



#30
Chloroform
Concen: 10.447 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW009565.D
Acq: 29 Mar 2019 10:21

Tgt Ion: 83 Resp: 62555
Ion Ratio Lower Upper
83 100
85 66.7 51.0 76.6

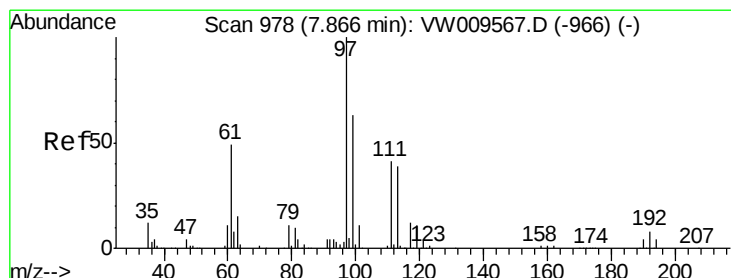
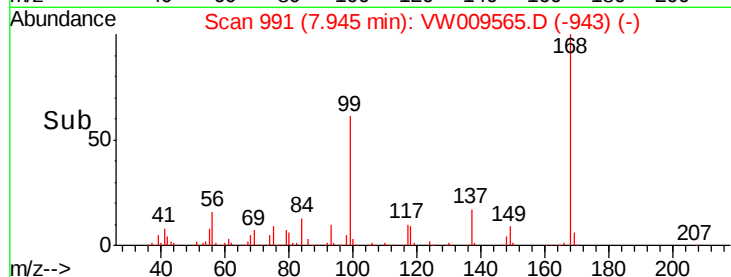
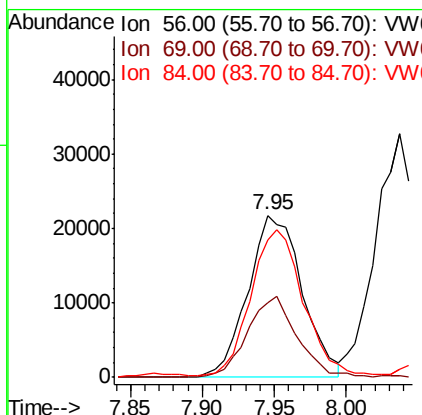
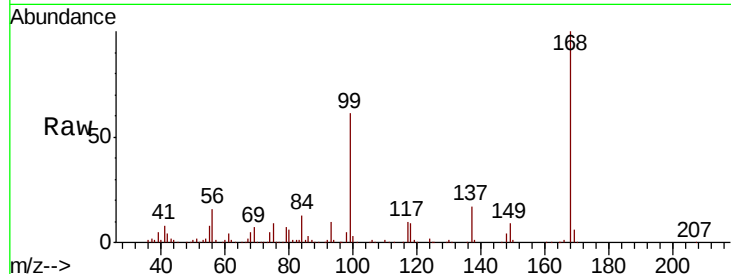




#31
Cyclohexane
Concen: 10.925 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW009565.D
Acq: 29 Mar 2019 10:21

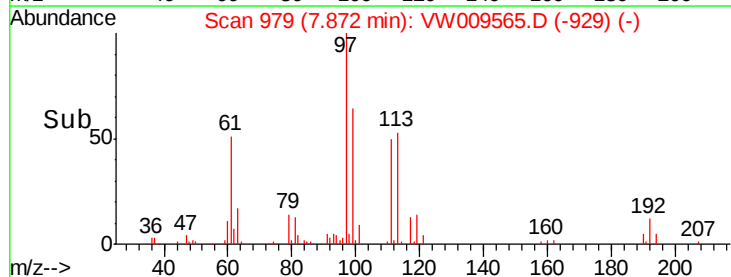
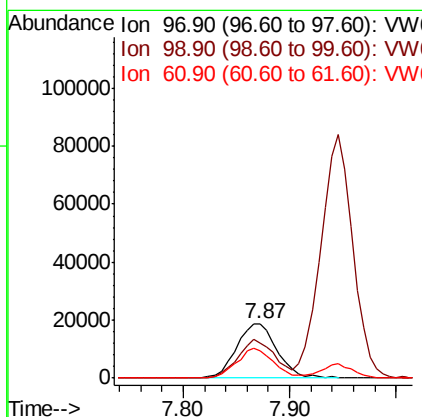
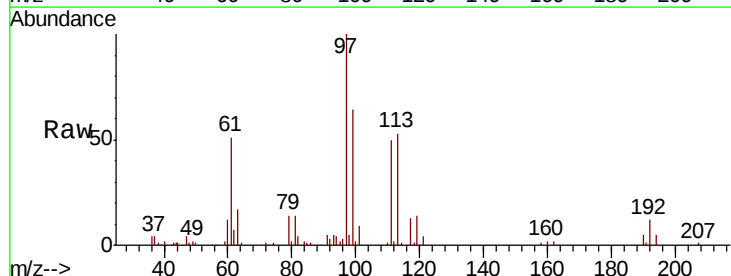
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

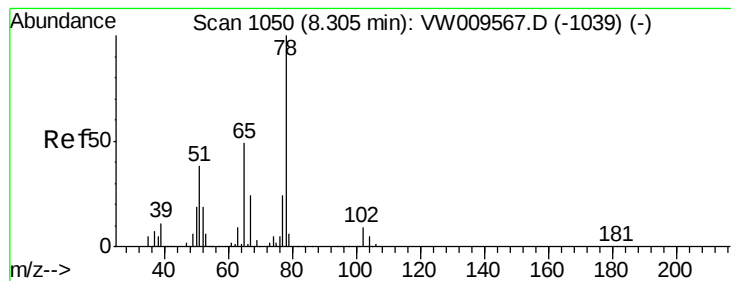
Tgt Ion: 56 Resp: 56785
Ion Ratio Lower Upper
56 100
69 45.9 26.1 39.1#
84 83.7 68.6 103.0



#32
1,1,1-Trichloroethane
Concen: 10.263 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW009565.D
Acq: 29 Mar 2019 10:21

Tgt Ion: 97 Resp: 50046
Ion Ratio Lower Upper
97 100
99 65.2 51.9 77.9
61 49.6 36.8 55.2





#33

1,2-Dichloroethane-d4

Concen: 9.782 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

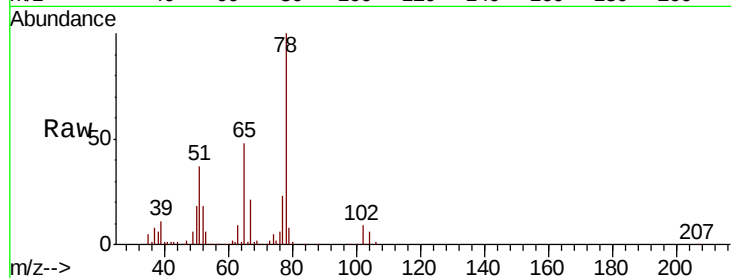
VSTDIC010

Tgt Ion: 65 Resp: 33537

Ion Ratio Lower Upper

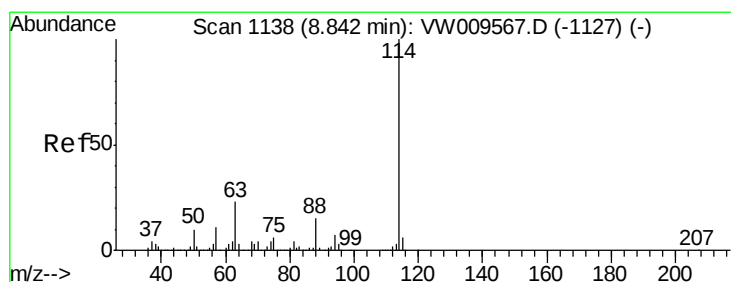
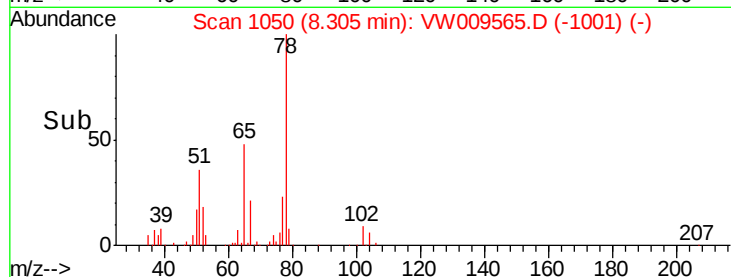
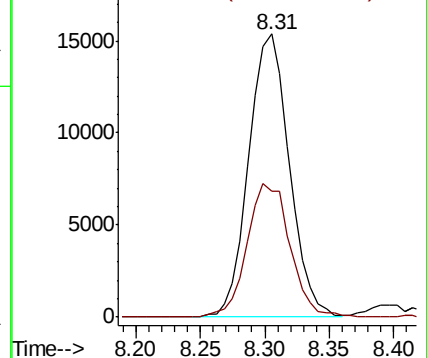
65 100

67 50.0 0.0 102.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

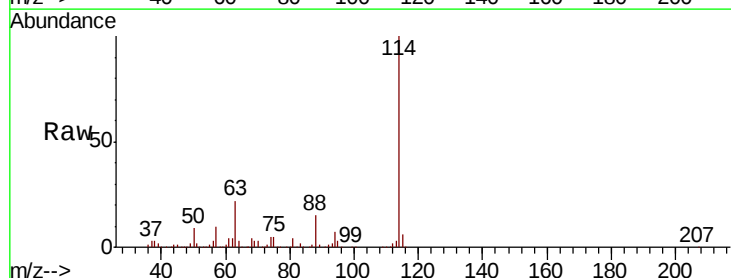
Tgt Ion: 114 Resp: 460371

Ion Ratio Lower Upper

114 100

63 22.4 0.0 42.2

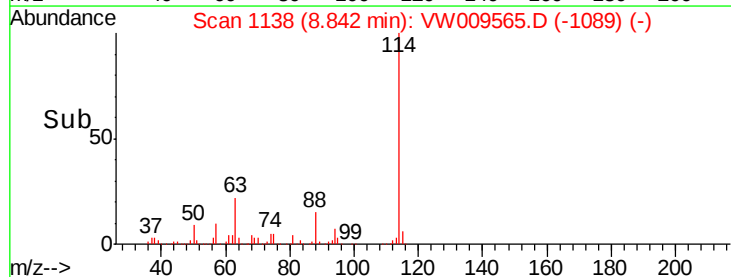
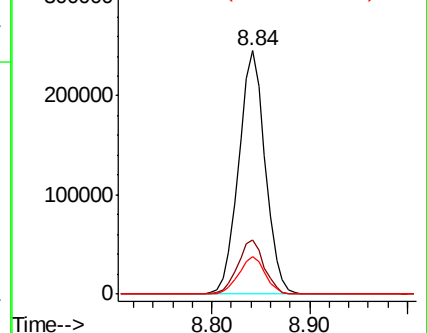
88 15.3 0.0 30.8

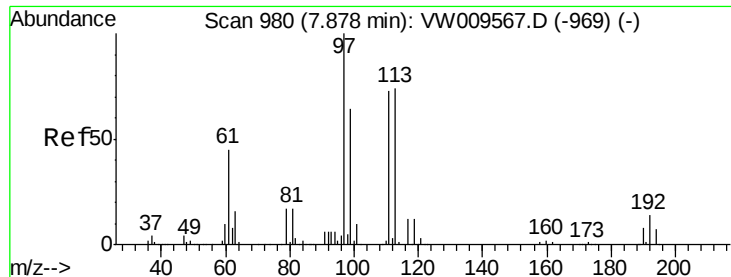


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

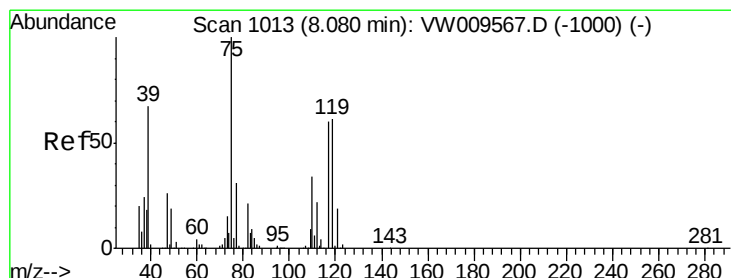
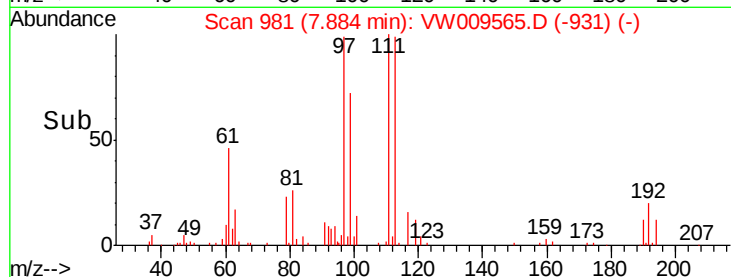
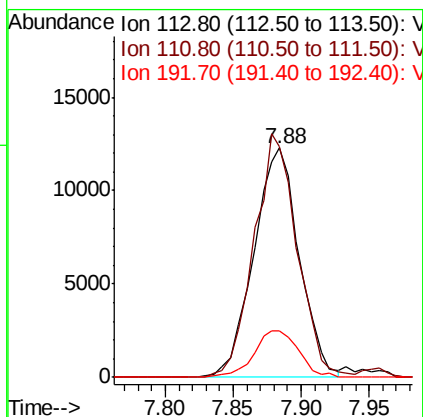
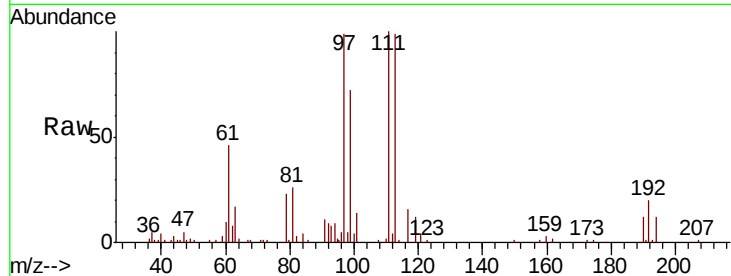




#35
 Dibromofluoromethane
 Concen: 9.859 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW009565.D
 Acq: 29 Mar 2019 10:21

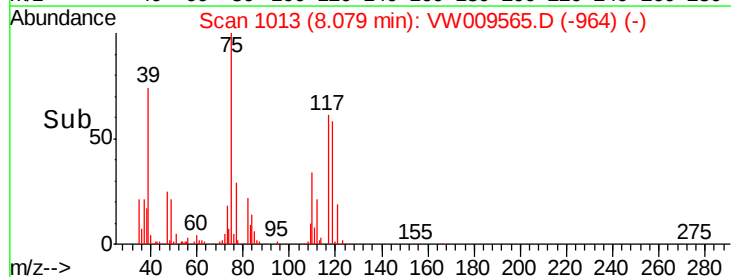
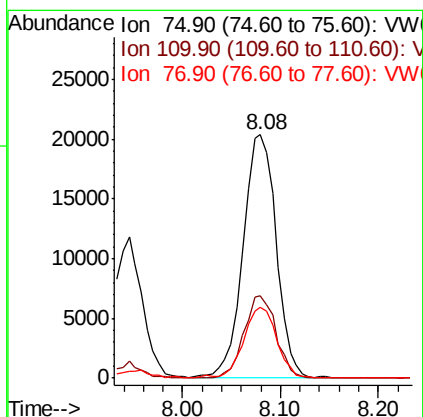
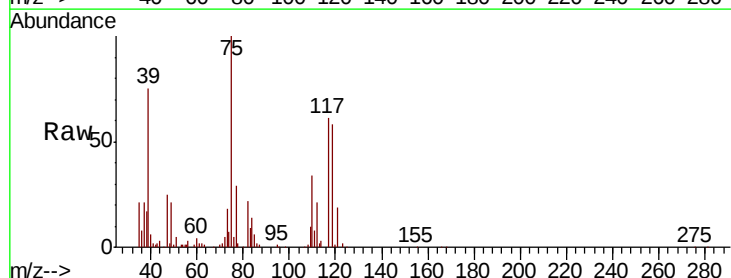
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

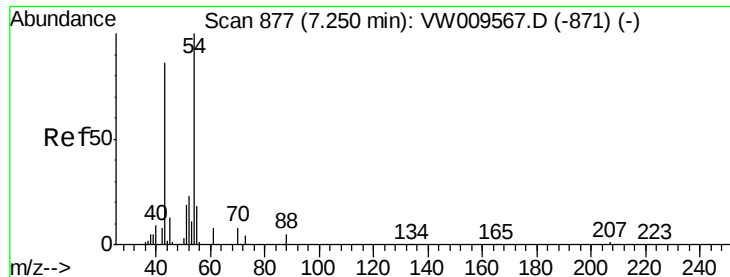
Tgt Ion:113 Resp: 28653
 Ion Ratio Lower Upper
 113 100
 111 101.4 82.6 124.0
 192 20.1 16.4 24.6



#36
 1,1-Dichloropropene
 Concen: 10.035 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW009565.D
 Acq: 29 Mar 2019 10:21

Tgt Ion: 75 Resp: 48083
 Ion Ratio Lower Upper
 75 100
 110 32.6 16.8 50.4
 77 29.1 24.6 36.8

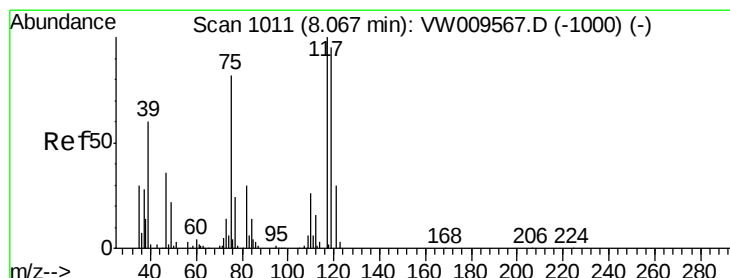
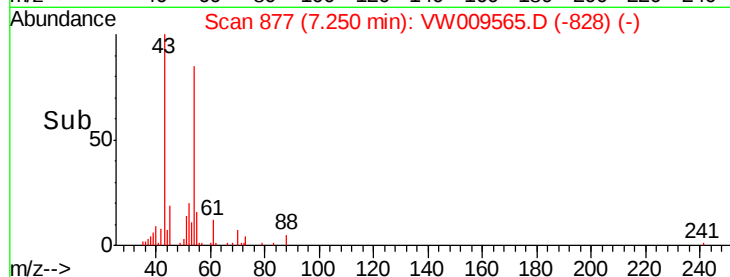
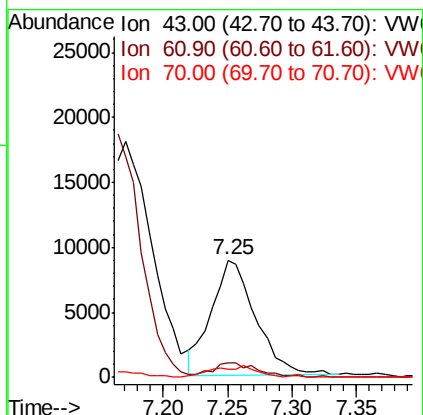
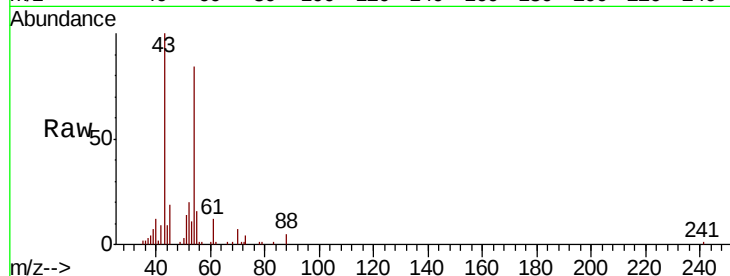




#37
 Ethyl Acetate
 Concen: 9.375 ug/l
 RT: 7.25 min Scan# 877
 Delta R.T. -0.00 min
 Lab File: VW009565.D
 Acq: 29 Mar 2019 10:21

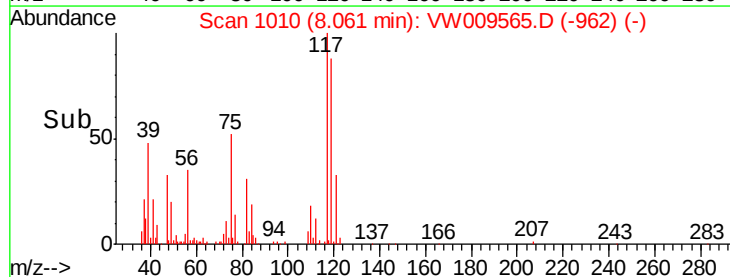
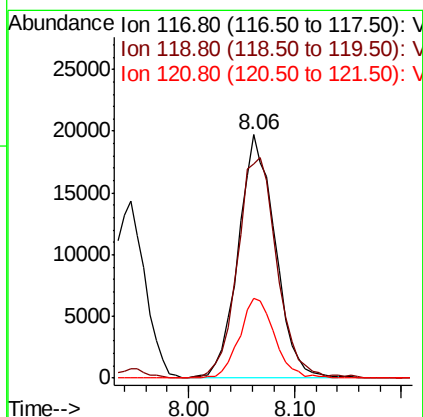
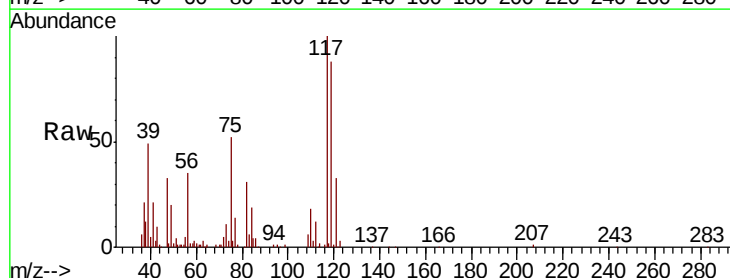
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

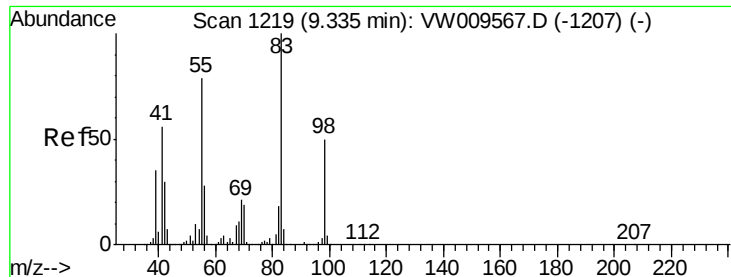
Tgt Ion: 43 Resp: 21101
 Ion Ratio Lower Upper
 43 100
 61 13.5 10.0 15.0
 70 10.1 7.3 10.9



#38
 Carbon Tetrachloride
 Concen: 9.928 ug/l
 RT: 8.06 min Scan# 1010
 Delta R.T. -0.01 min
 Lab File: VW009565.D
 Acq: 29 Mar 2019 10:21

Tgt Ion: 117 Resp: 48169
 Ion Ratio Lower Upper
 117 100
 119 87.8 75.4 113.0
 121 32.6 24.9 37.3

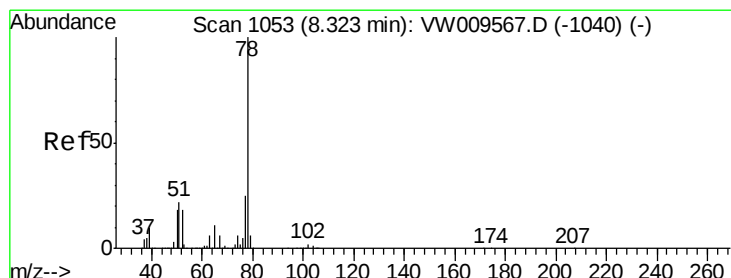
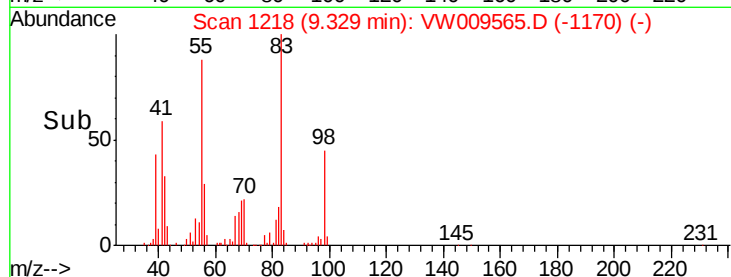
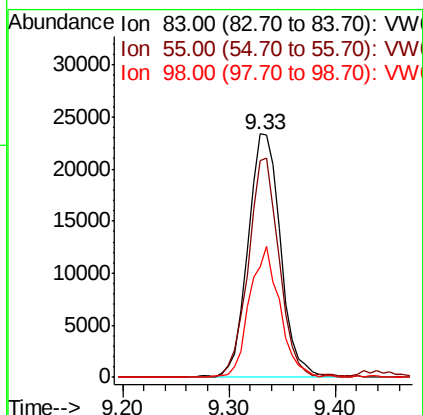
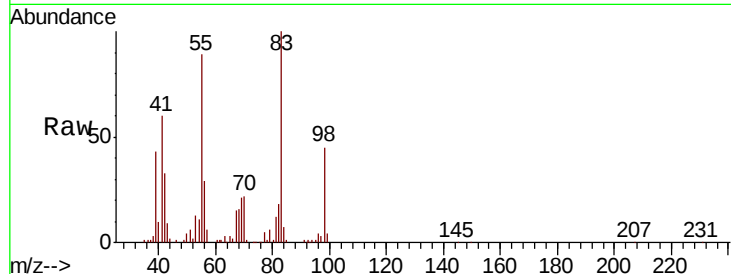




#39
Methylcyclohexane
Concen: 9.110 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW009565.D
Acq: 29 Mar 2019 10:21

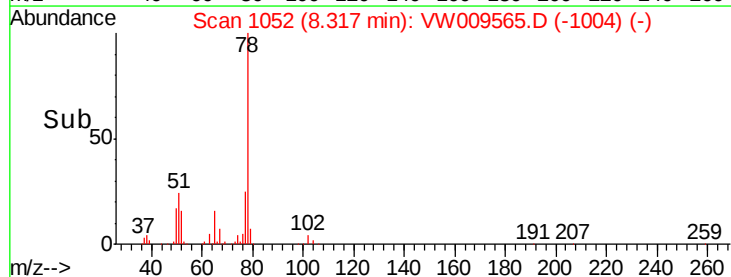
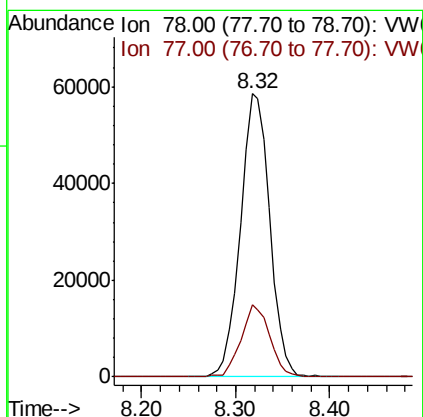
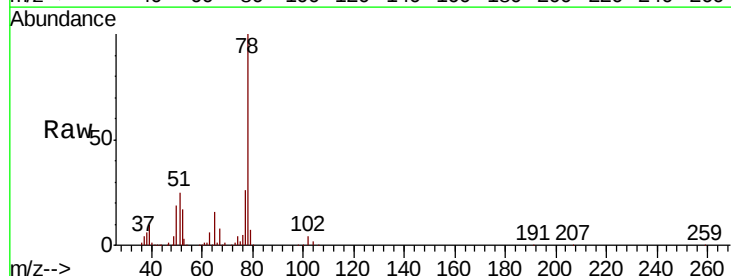
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

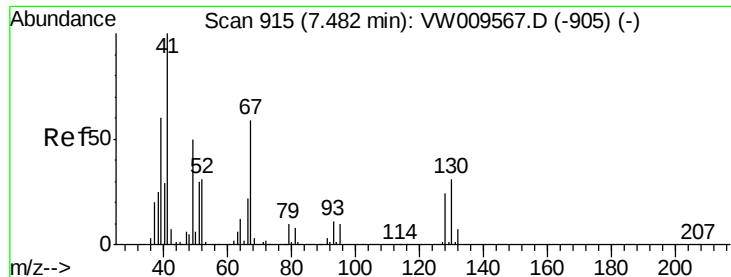
Tgt Ion: 83 Resp: 50293
Ion Ratio Lower Upper
83 100
55 88.8 61.1 91.7
98 45.5 39.0 58.4



#40
Benzene
Concen: 9.846 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW009565.D
Acq: 29 Mar 2019 10:21

Tgt Ion: 78 Resp: 127602
Ion Ratio Lower Upper
78 100
77 25.6 19.8 29.6

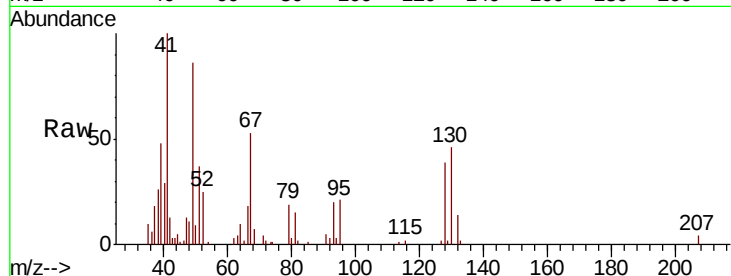




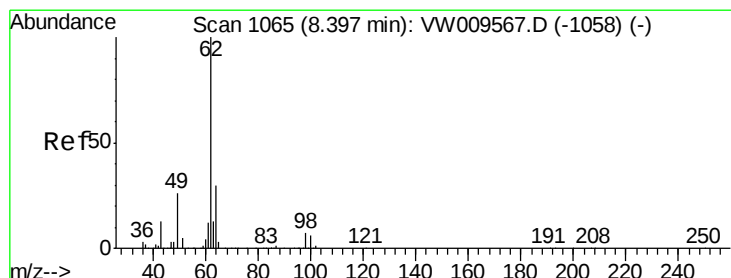
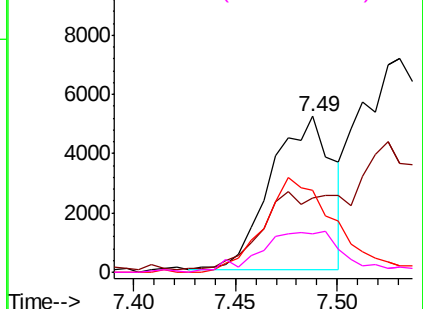
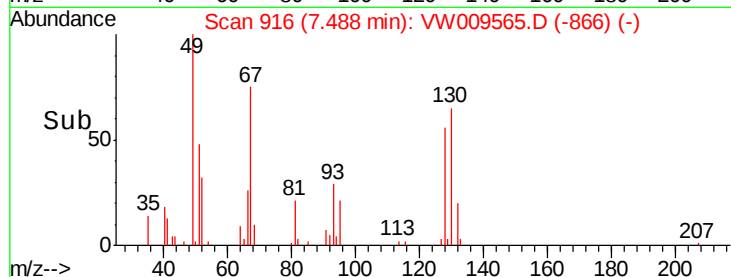
#41
Methacrylonitrile
Concen: 8.136 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW009565.D
Acq: 29 Mar 2019 10:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion: 41 Resp: 10896
Ion Ratio Lower Upper
41 100
39 35.0 52.5 78.7#
67 71.2 56.6 84.8
52 36.0 27.2 40.8

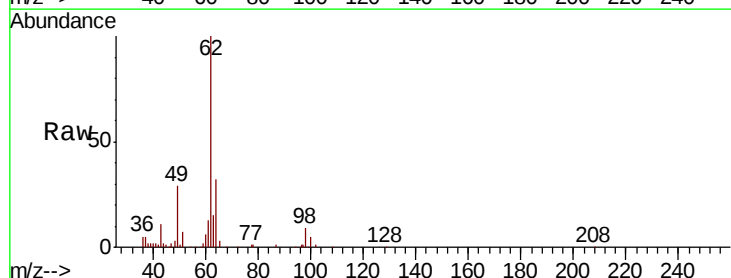


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

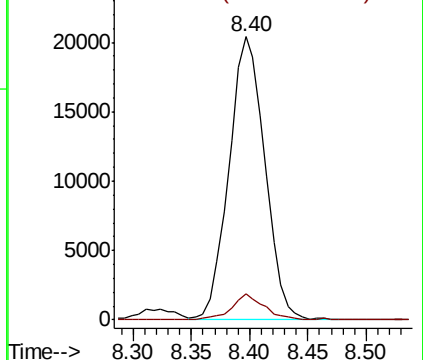
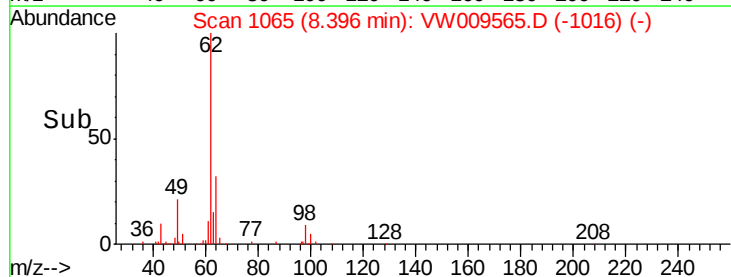


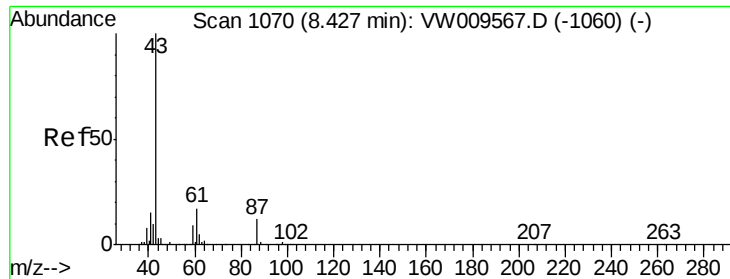
#42
1,2-Dichloroethane
Concen: 10.119 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW009565.D
Acq: 29 Mar 2019 10:21

Tgt Ion: 62 Resp: 43766
Ion Ratio Lower Upper
62 100
98 8.4 0.0 17.4



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 8.971 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

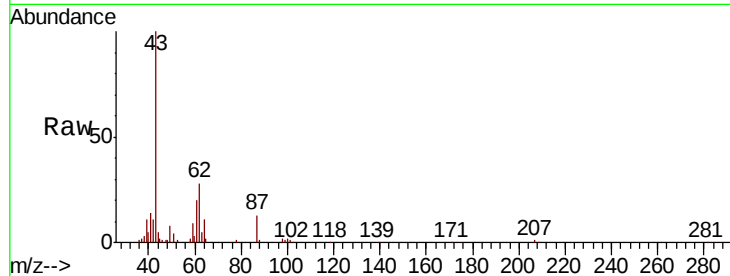
Tgt Ion: 43 Resp: 39125

Ion Ratio Lower Upper

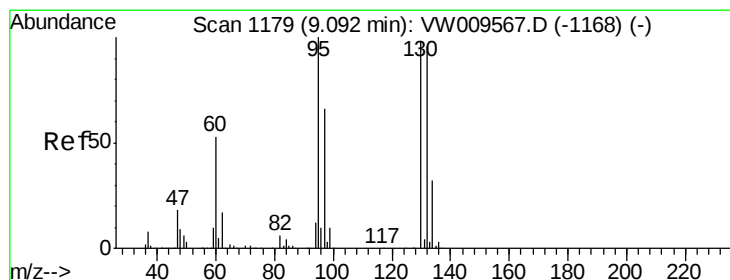
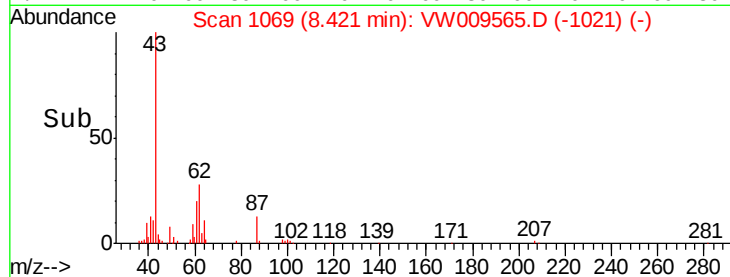
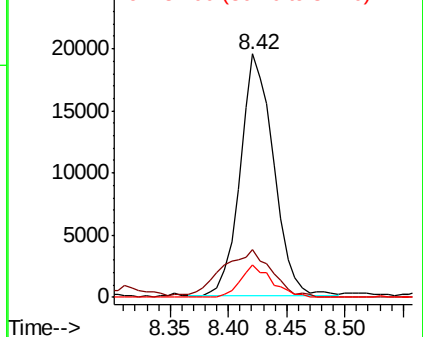
43 100

61 28.8 22.2 33.2

87 12.5 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: 9.830 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW009565.D

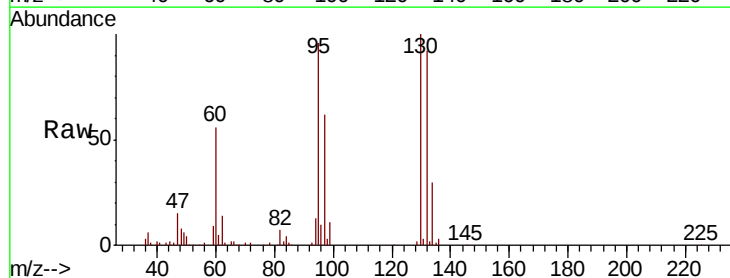
Acq: 29 Mar 2019 10:21

Tgt Ion: 130 Resp: 32879

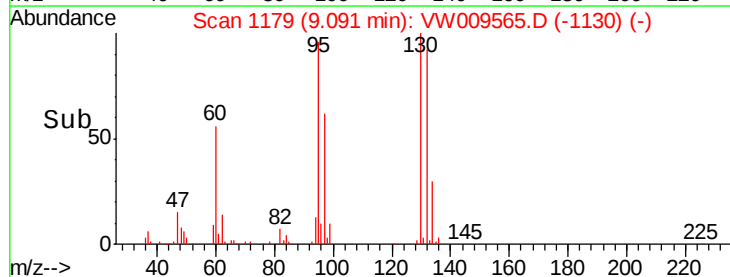
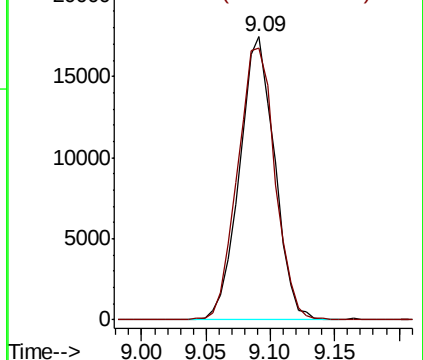
Ion Ratio Lower Upper

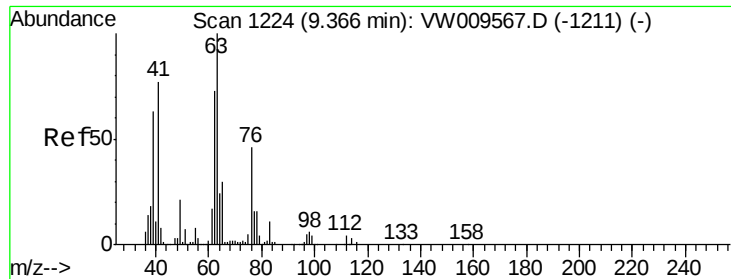
130 100

95 96.2 0.0 192.6



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

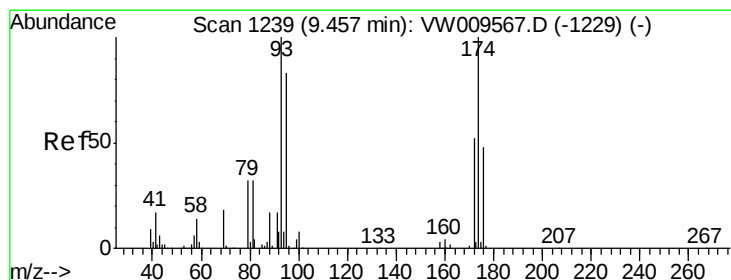
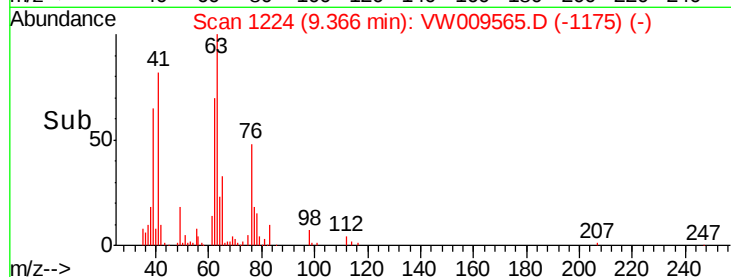
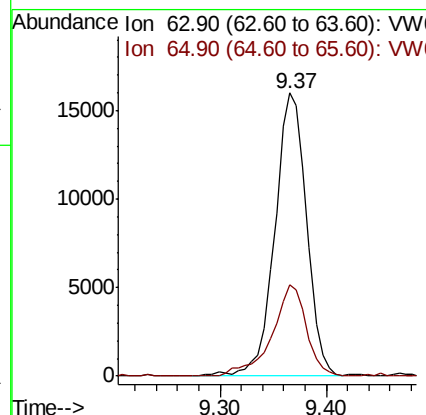
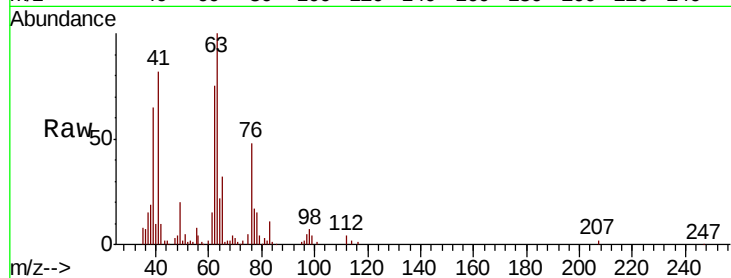




#45
 1,2-Dichloropropane
 Concen: 10.017 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW009565.D
 Acq: 29 Mar 2019 10:21

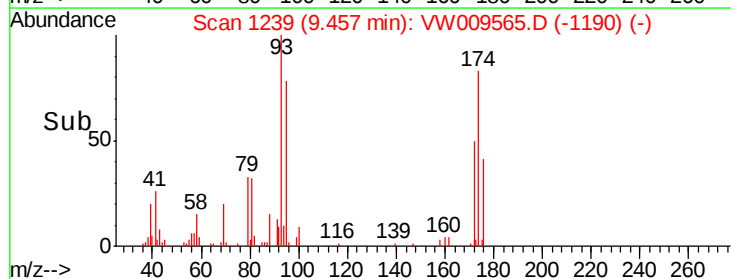
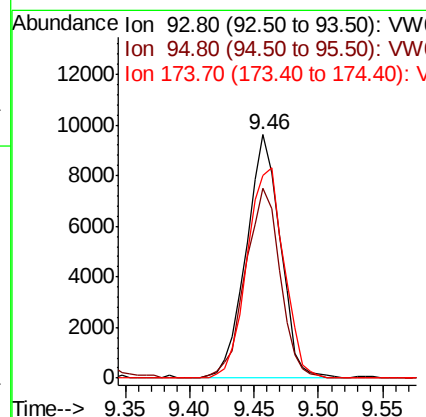
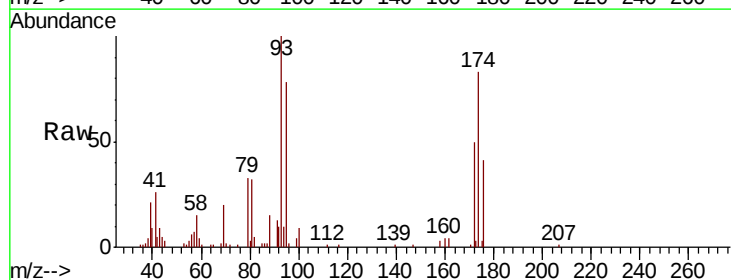
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

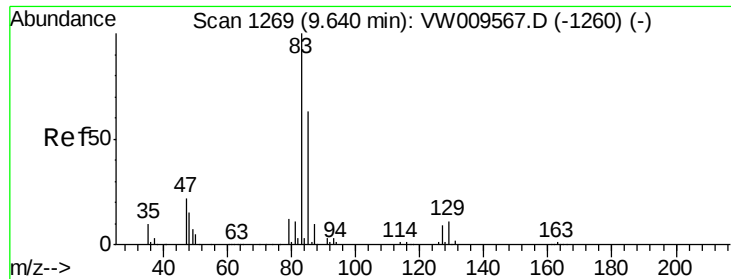
Tgt Ion: 63 Resp: 33100
 Ion Ratio Lower Upper
 63 100
 65 32.5 25.8 38.8



#46
 Dibromomethane
 Concen: 9.962 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW009565.D
 Acq: 29 Mar 2019 10:21

Tgt Ion: 93 Resp: 17600
 Ion Ratio Lower Upper
 93 100
 95 79.5 66.9 100.3
 174 93.0 80.8 121.2

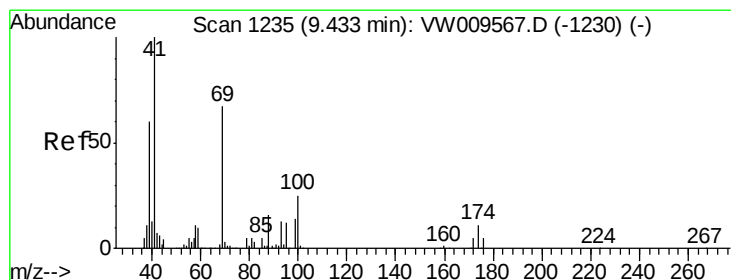
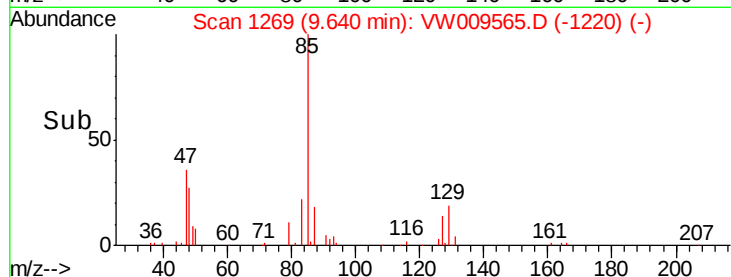
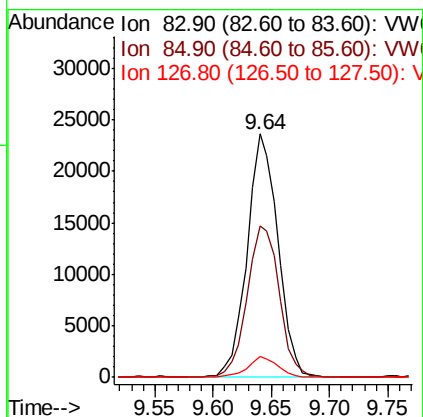
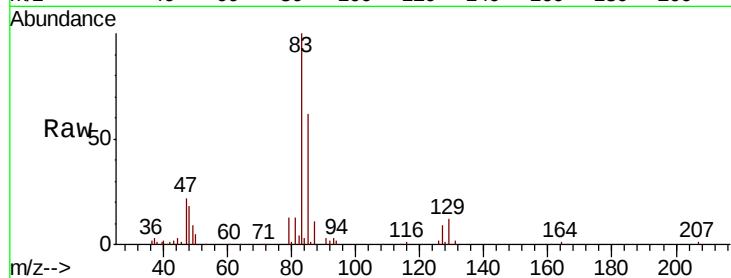




#47
Bromodichloromethane
Concen: 9.441 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW009565.D
Acq: 29 Mar 2019 10:21

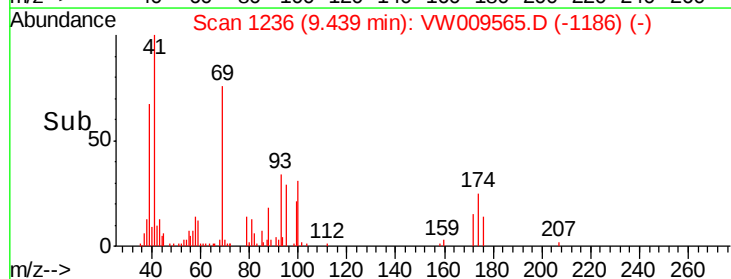
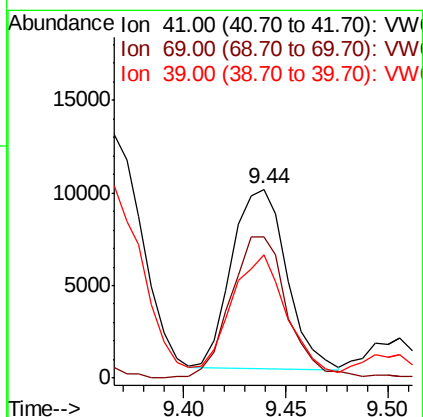
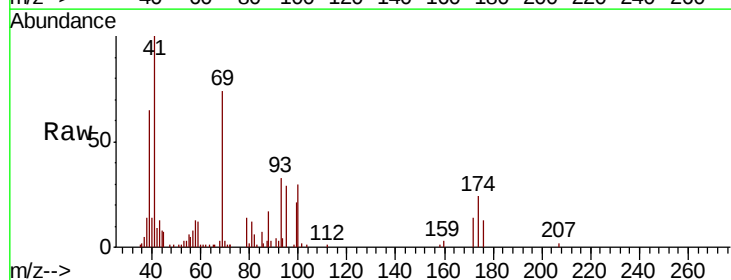
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

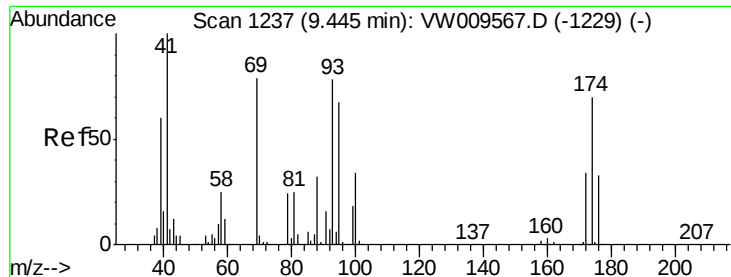
Tgt Ion: 83 Resp: 43458
Ion Ratio Lower Upper
83 100
85 62.1 52.6 79.0
127 8.6 6.5 9.7



#48
Methyl methacrylate
Concen: 8.401 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW009565.D
Acq: 29 Mar 2019 10:21

Tgt Ion: 41 Resp: 18165
Ion Ratio Lower Upper
41 100
69 81.2 63.0 94.6
39 64.3 57.2 85.8

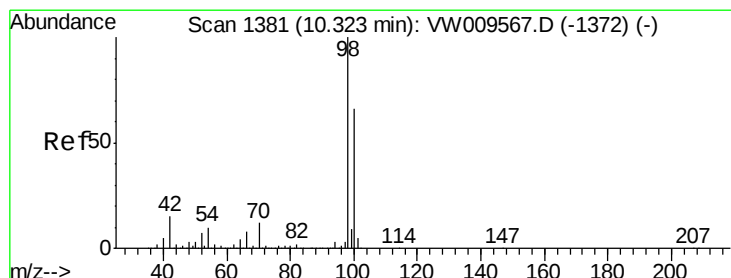
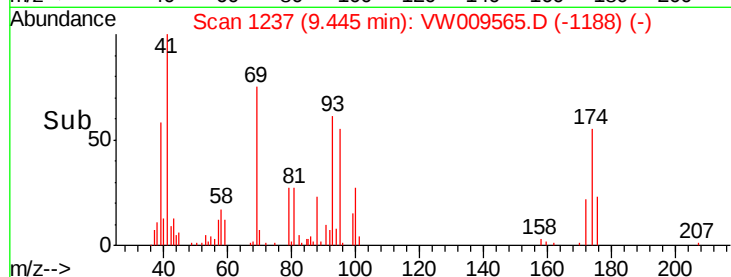
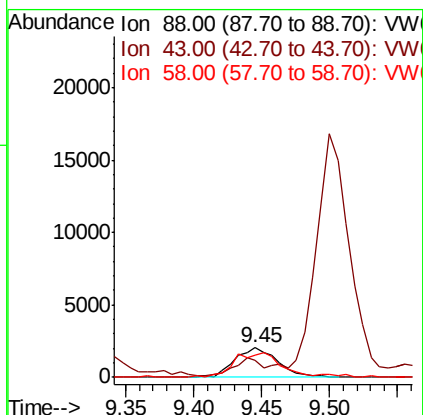
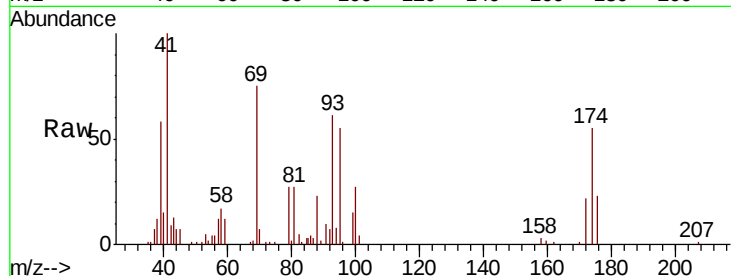




#49
1,4-Dioxane
Concen: 163.999 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW009565.D
Acq: 29 Mar 2019 10:21

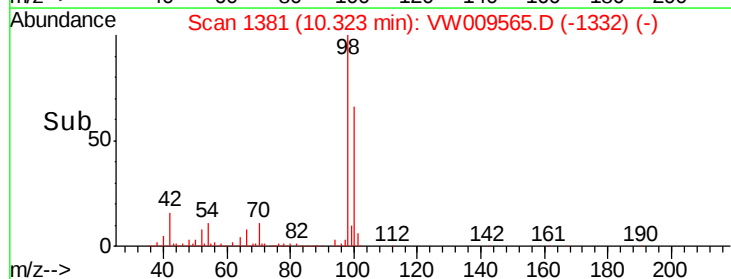
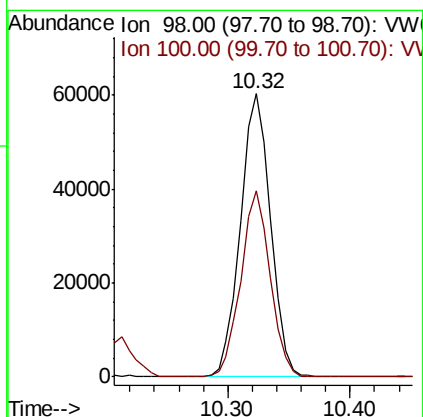
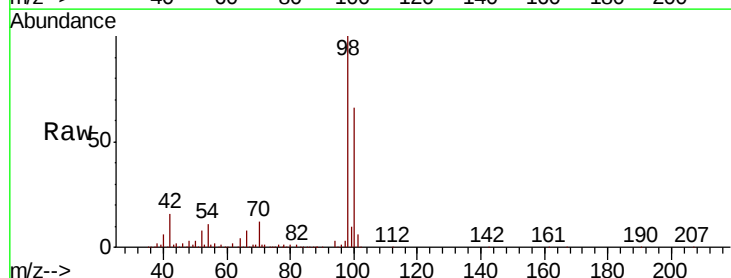
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

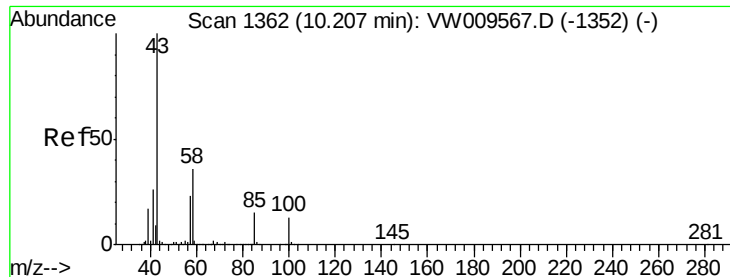
Tgt Ion: 88 Resp: 4480
Ion Ratio Lower Upper
88 100
43 42.4 29.7 44.5
58 91.4 58.1 87.1#



#50
Toluene-d8
Concen: 9.193 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW009565.D
Acq: 29 Mar 2019 10:21

Tgt Ion: 98 Resp: 103103
Ion Ratio Lower Upper
98 100
100 64.2 52.6 79.0





#51

4-Methyl-2-Pentanone

Concen: 44.163 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

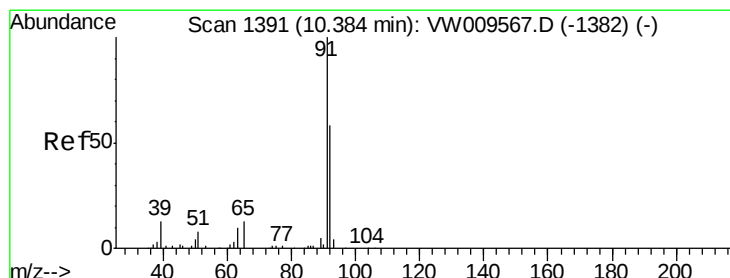
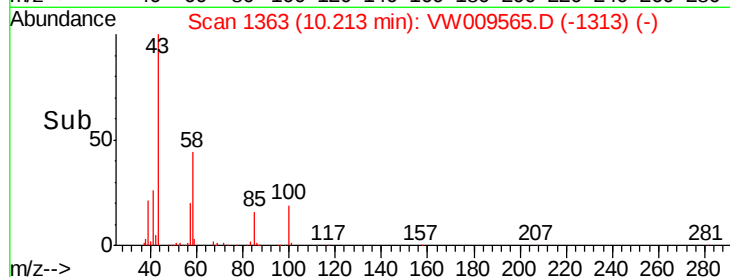
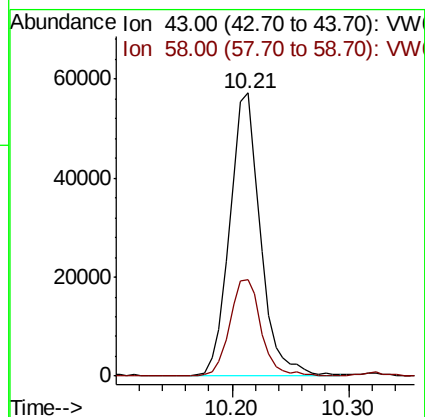
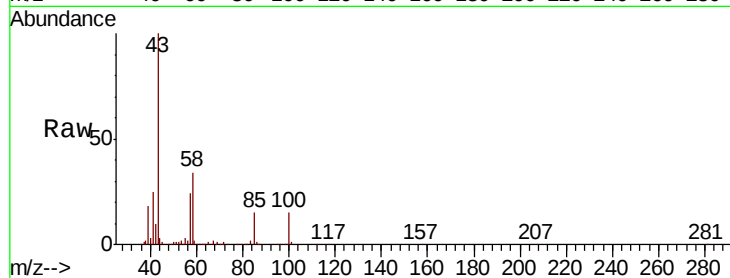
VSTDIC010

Tgt Ion: 43 Resp: 105577

Ion Ratio Lower Upper

43 100

58 34.8 28.6 42.8



#52

Toluene

Concen: 9.336 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW009565.D

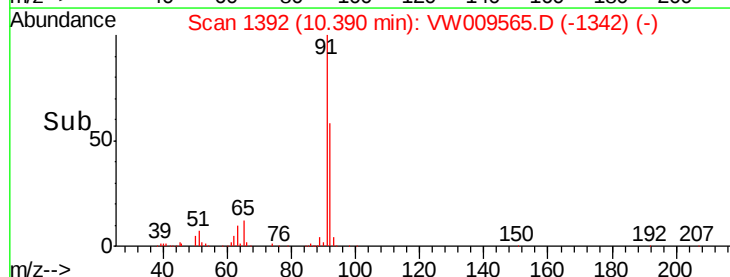
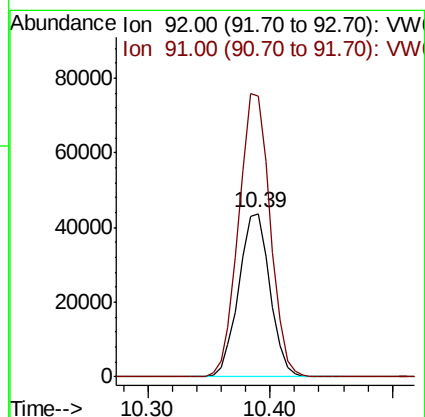
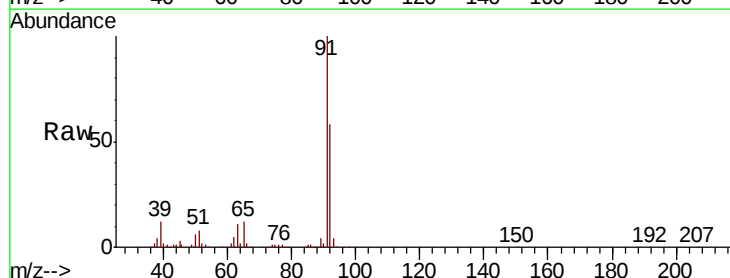
Acq: 29 Mar 2019 10:21

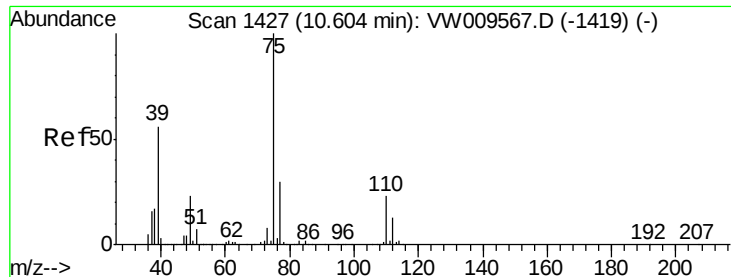
Tgt Ion: 92 Resp: 77599

Ion Ratio Lower Upper

92 100

91 174.2 140.1 210.1





#53

t-1,3-Dichloropropene

Concen: 8.510 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

Instrument :

MSVOA_W

ClientSampled :

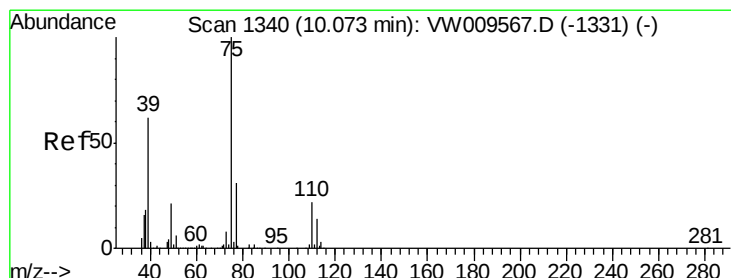
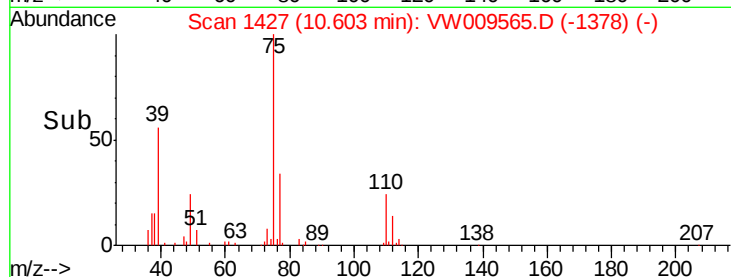
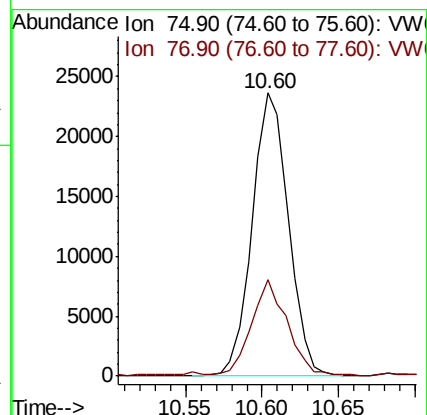
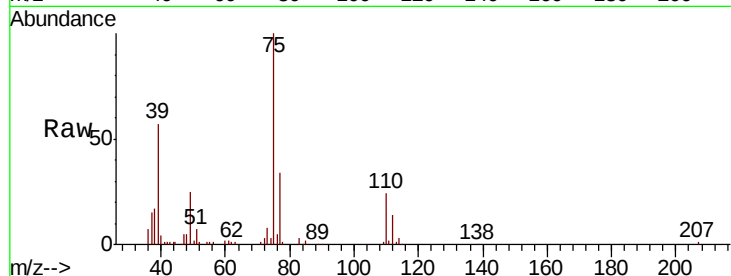
VSTDIC010

Tgt Ion: 75 Resp: 38996

Ion Ratio Lower Upper

75 100

77 33.5 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 9.114 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

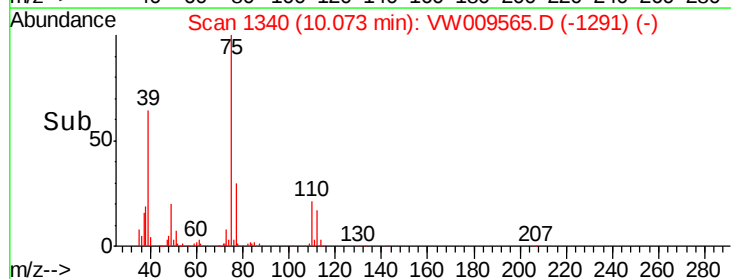
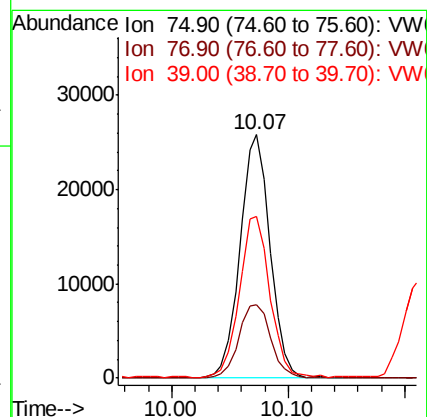
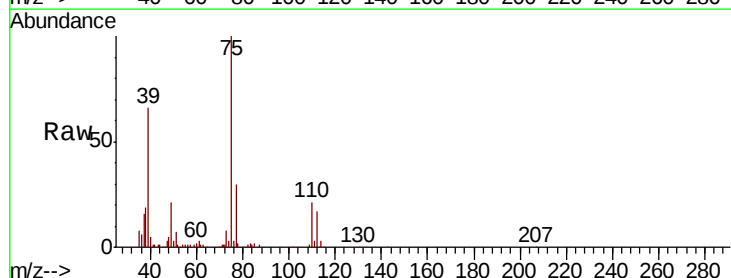
Tgt Ion: 75 Resp: 46418

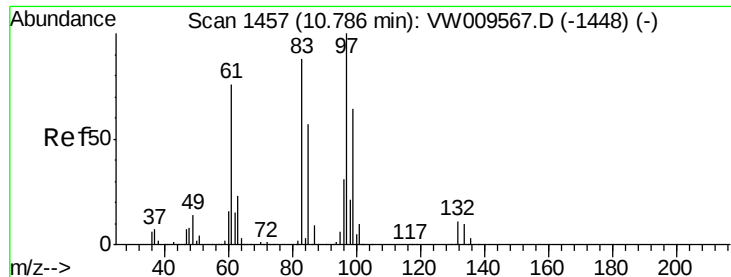
Ion Ratio Lower Upper

75 100

77 30.4 25.9 38.9

39 66.0 46.8 70.2





#55

1,1,2-Trichloroethane

Concen: 9.796 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tgt Ion: 97 Resp: 23541

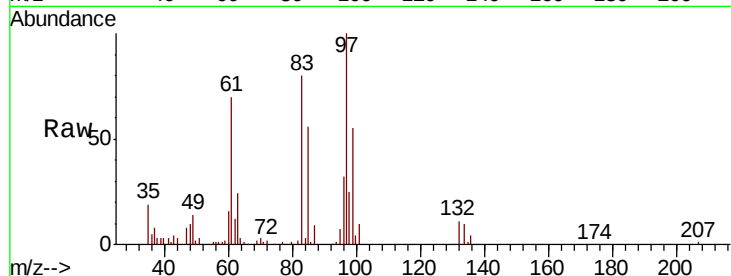
Ion Ratio Lower Upper

97 100

83 80.3 66.3 99.5

85 56.1 41.4 62.2

99 55.5 48.7 73.1



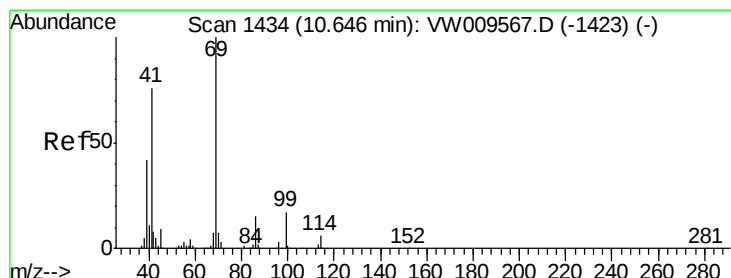
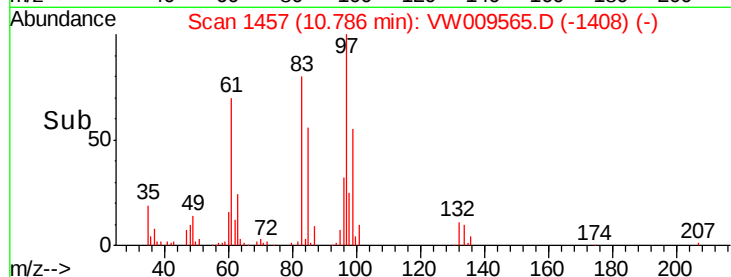
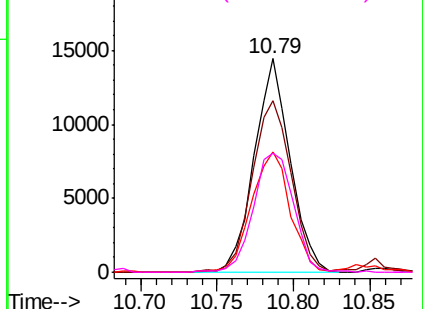
Abundance

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: 7.753 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

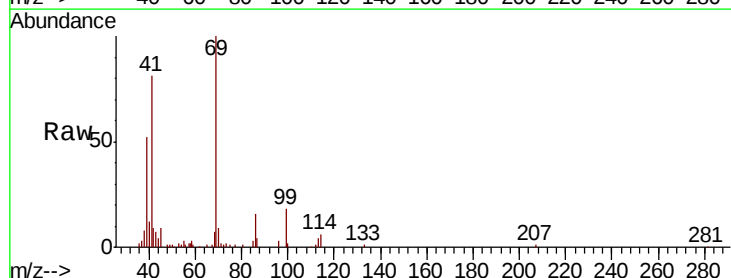
Tgt Ion: 69 Resp: 24223

Ion Ratio Lower Upper

69 100

41 76.4 59.3 88.9

39 50.7 36.2 54.2

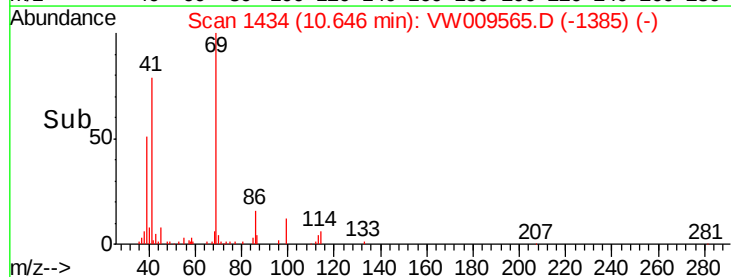
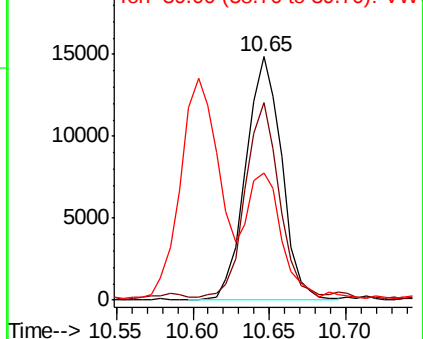


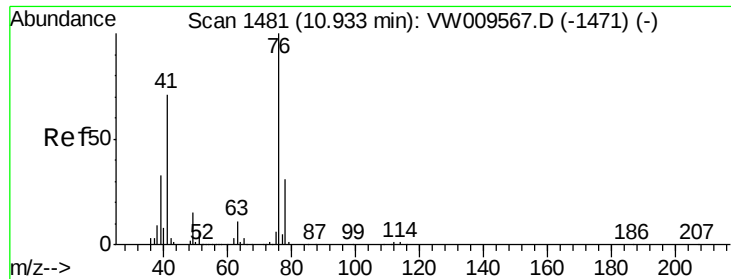
Abundance

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: 9.505 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

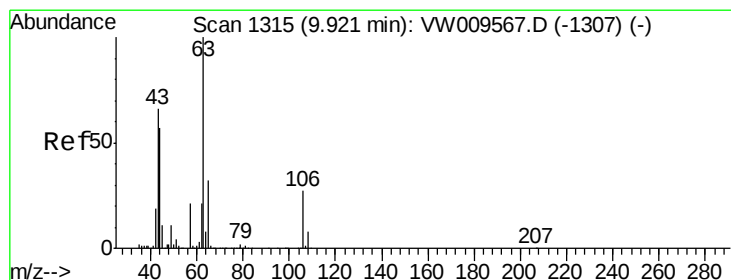
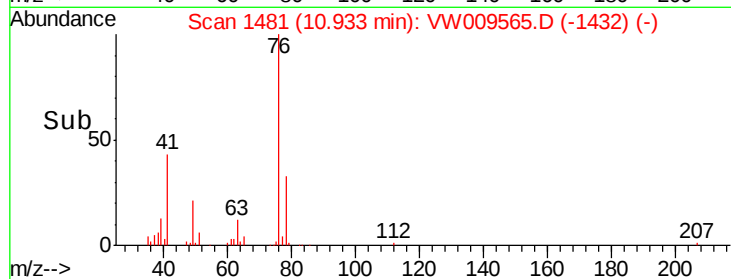
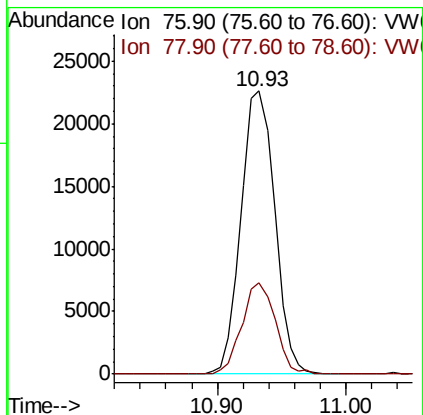
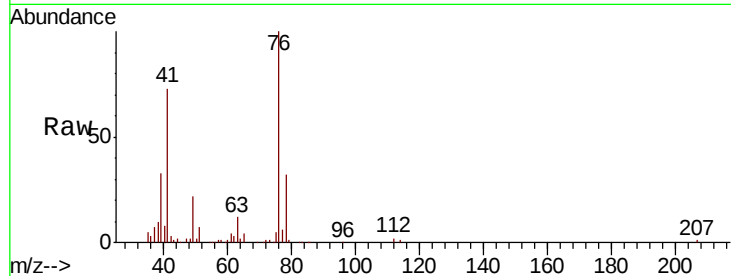
VSTDIC010

Tgt Ion: 76 Resp: 41068

Ion Ratio Lower Upper

76 100

78 31.8 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 37.160 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VW009565.D

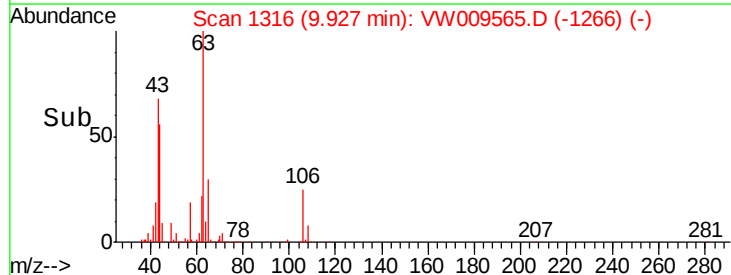
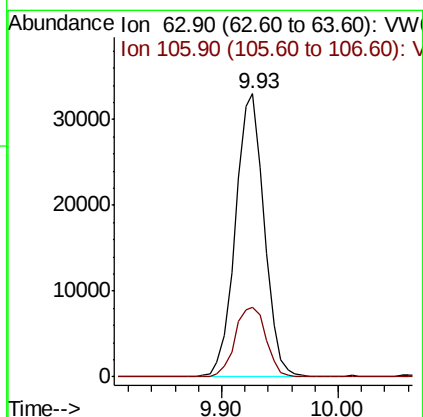
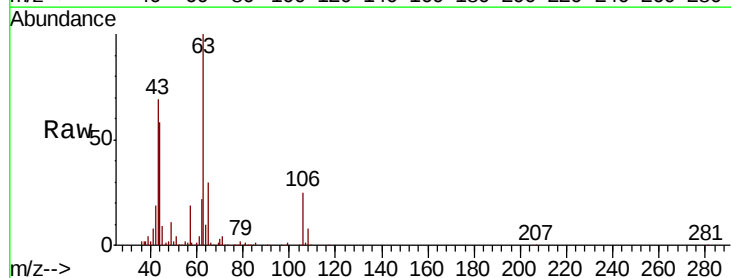
Acq: 29 Mar 2019 10:21

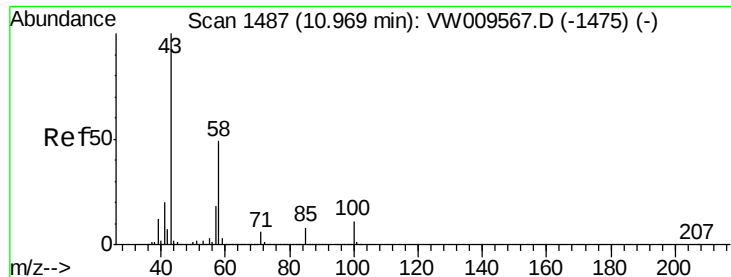
Tgt Ion: 63 Resp: 56876

Ion Ratio Lower Upper

63 100

106 26.5 22.9 34.3





#59

2-Hexanone

Concen: 41.117 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

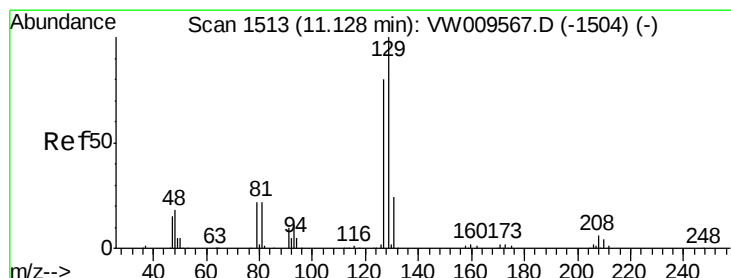
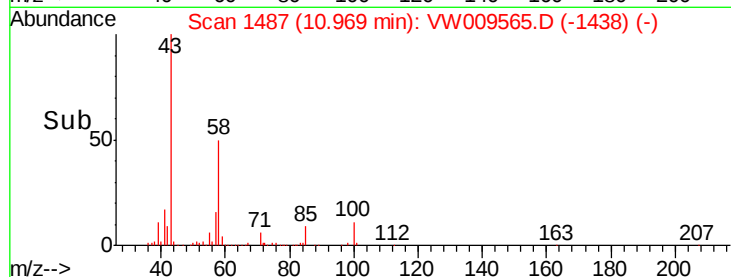
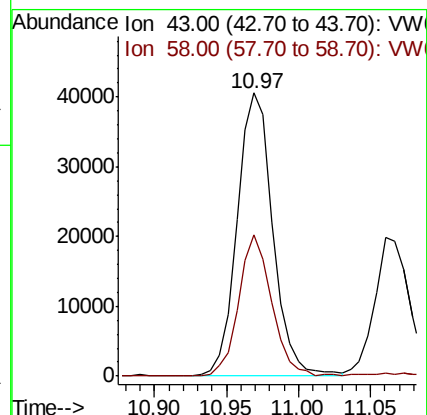
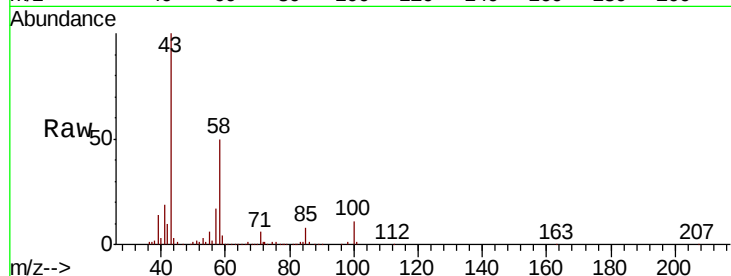
VSTDIC010

Tgt Ion: 43 Resp: 69933

Ion Ratio Lower Upper

43 100

58 46.4 24.2 72.6



#60

Dibromochloromethane

Concen: 9.422 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW009565.D

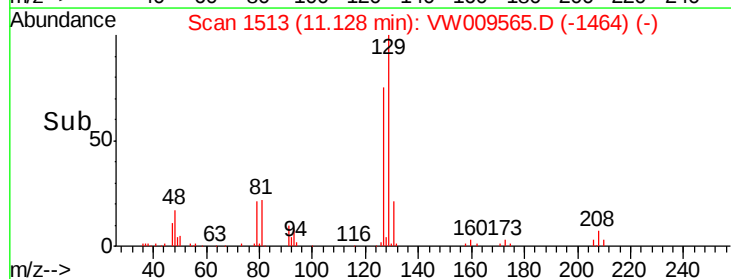
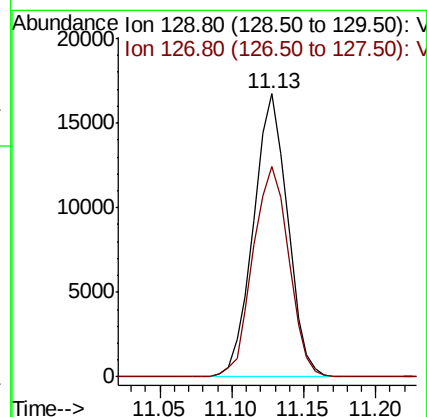
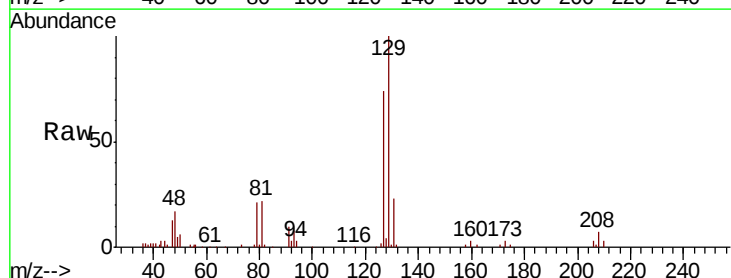
Acq: 29 Mar 2019 10:21

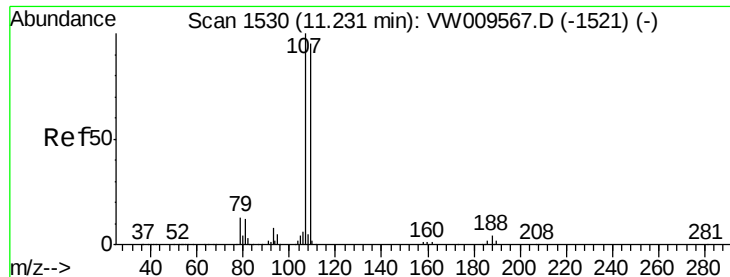
Tgt Ion: 129 Resp: 27492

Ion Ratio Lower Upper

129 100

127 77.9 38.1 114.5

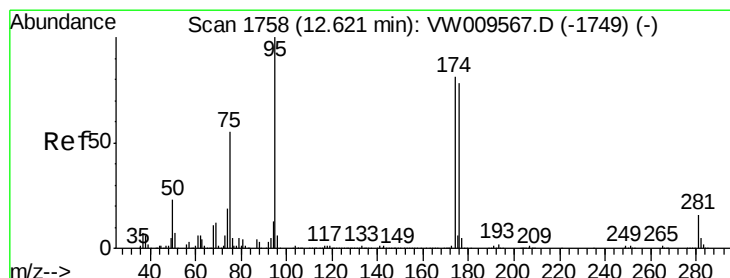
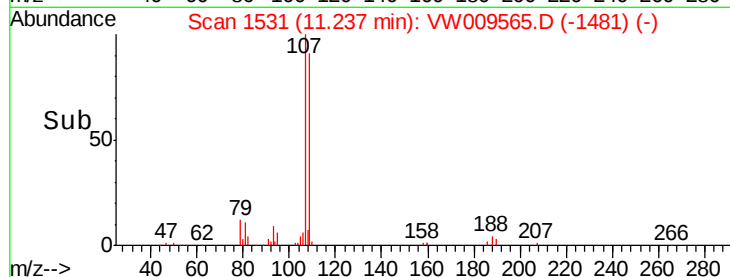
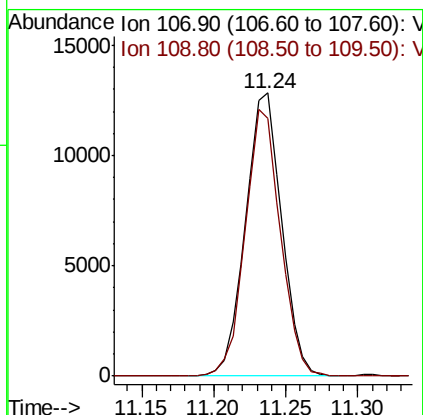
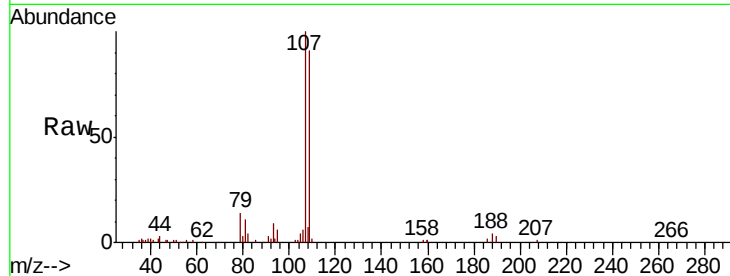




#61
 1,2-Dibromoethane
 Concen: 9.606 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW009565.D
 Acq: 29 Mar 2019 10:21

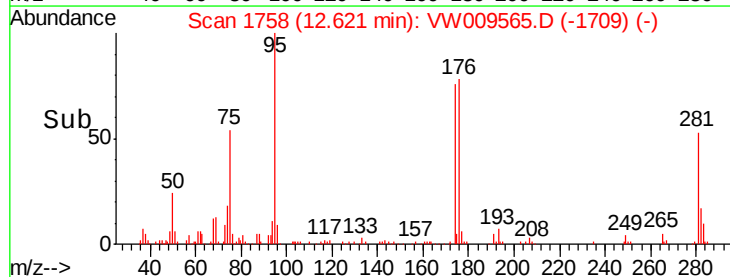
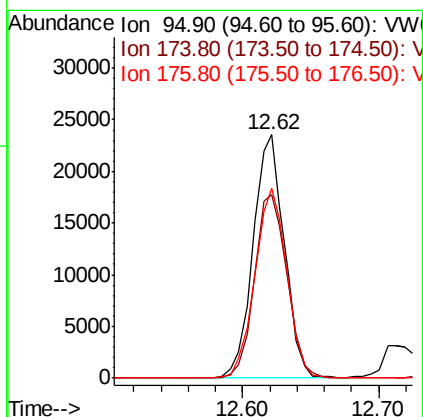
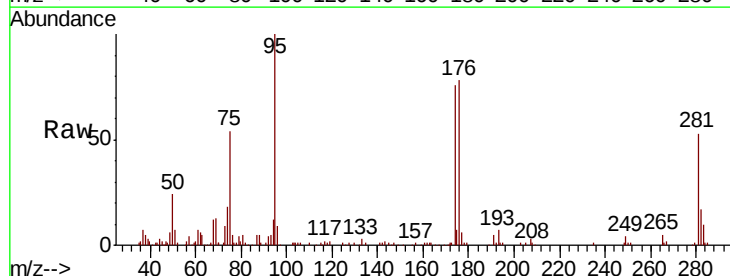
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

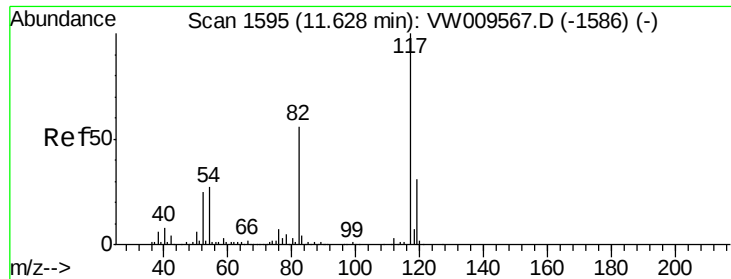
Tgt Ion: 107 Resp: 22277
 Ion Ratio Lower Upper
 107 100
 109 91.5 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 9.048 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW009565.D
 Acq: 29 Mar 2019 10:21

Tgt Ion: 95 Resp: 37855
 Ion Ratio Lower Upper
 95 100
 174 78.5 0.0 168.4
 176 79.5 0.0 161.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.01 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

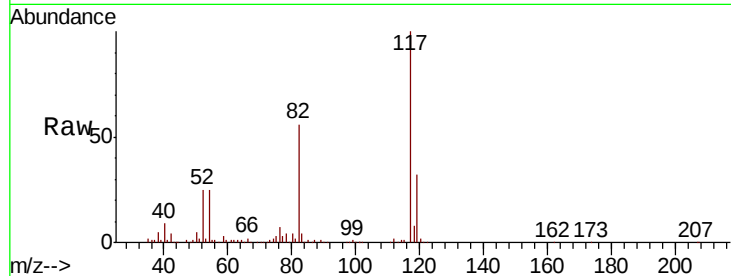
Tgt Ion:117 Resp: 422695

Ion Ratio Lower Upper

117 100

82 55.8 43.6 65.4

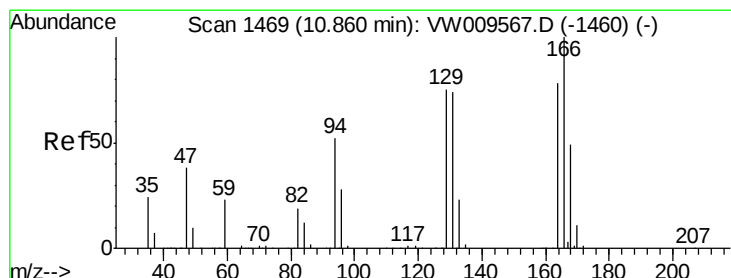
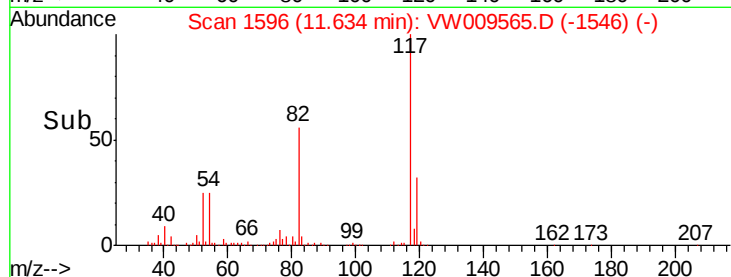
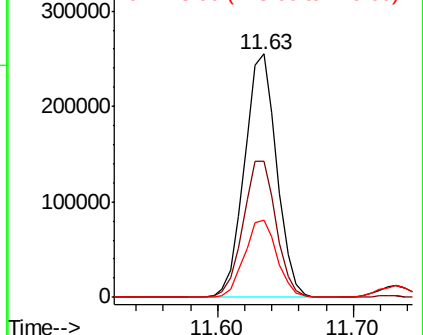
119 31.6 26.0 39.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 10.173 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

Tgt Ion:164 Resp: 28555

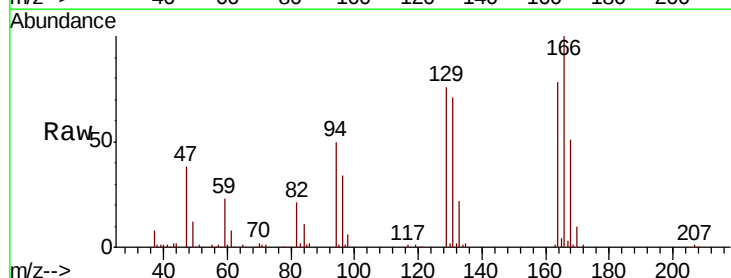
Ion Ratio Lower Upper

164 100

166 128.3 100.9 151.3

129 97.5 72.0 108.0

131 91.5 69.8 104.6

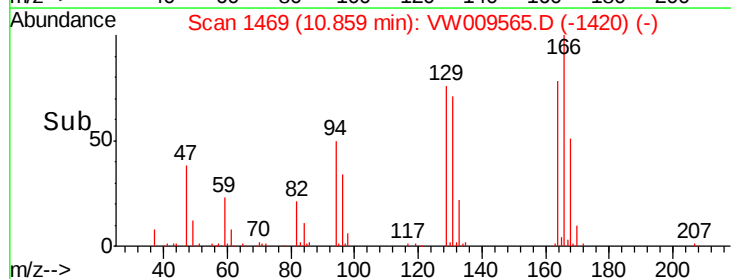
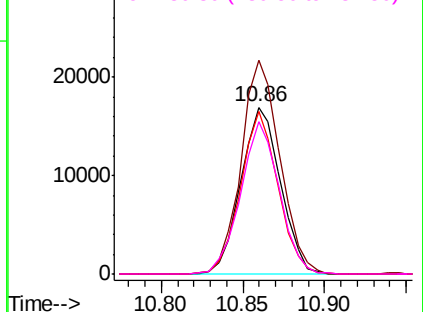


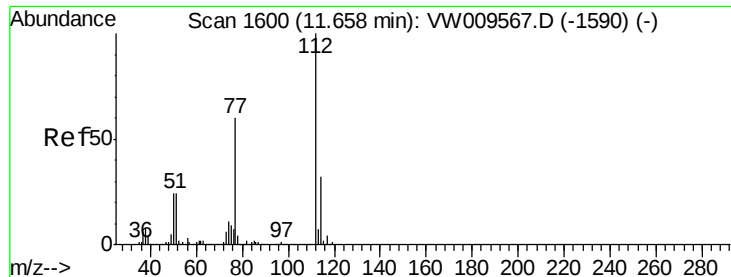
Abundance Ion 163.80 (163.50 to 164.50): V

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: 10.162 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

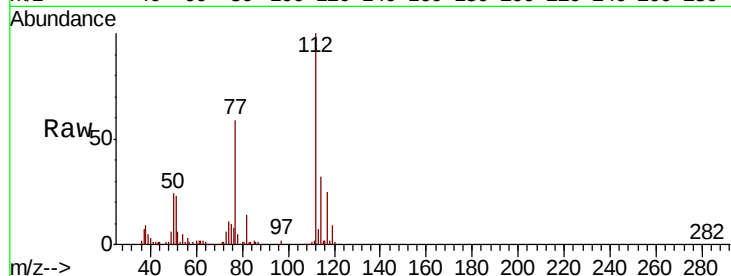
VSTDIC010

Tgt Ion:112 Resp: 89755

Ion Ratio Lower Upper

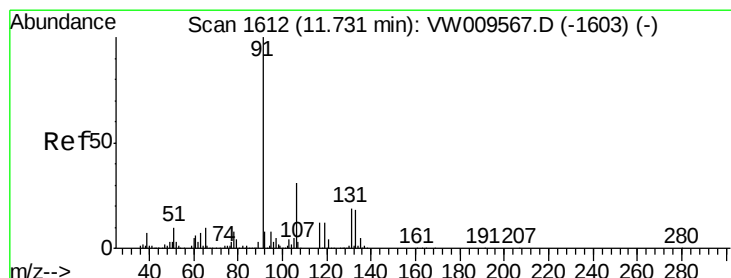
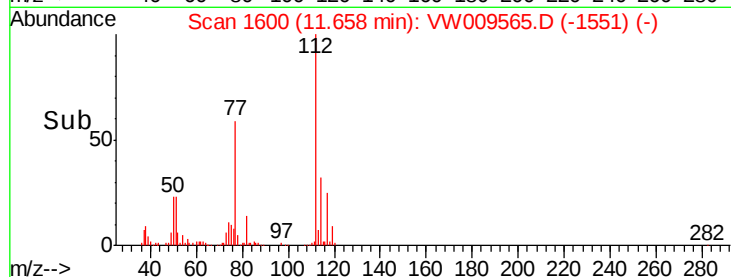
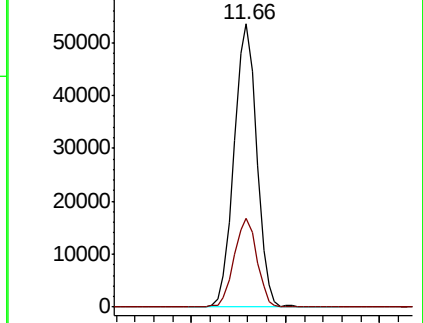
112 100

114 31.5 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 9.936 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

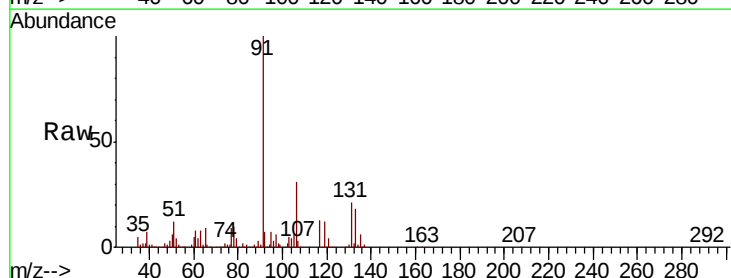
Tgt Ion:131 Resp: 32245

Ion Ratio Lower Upper

131 100

133 94.0 47.3 141.8

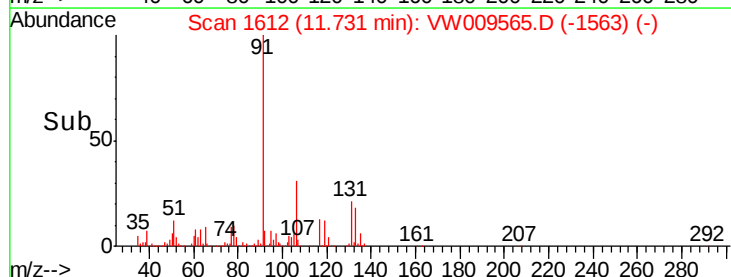
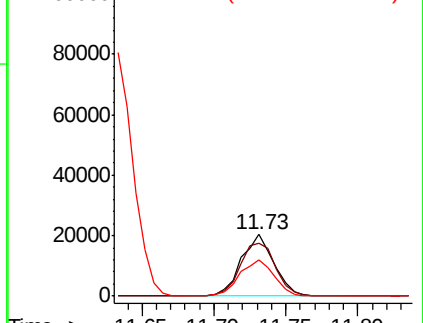
119 62.1 31.6 95.0

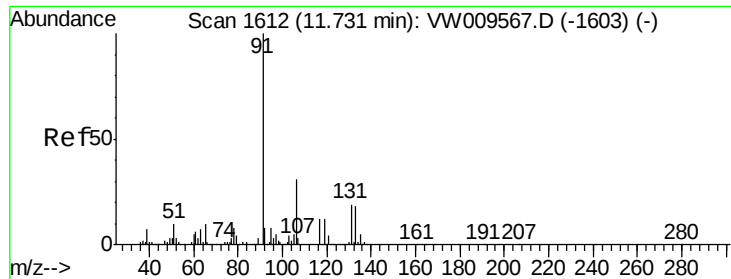


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

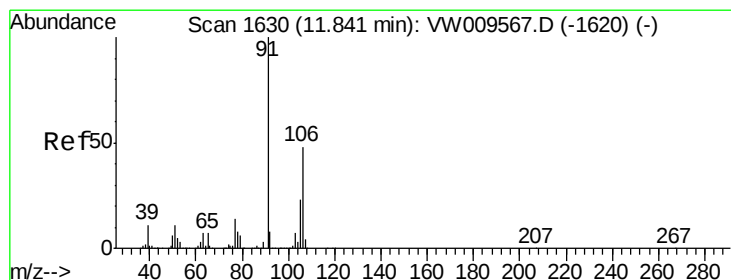
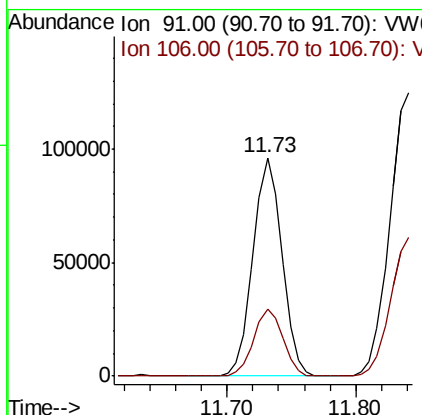
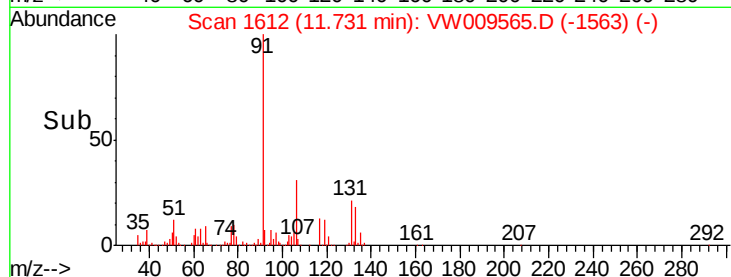
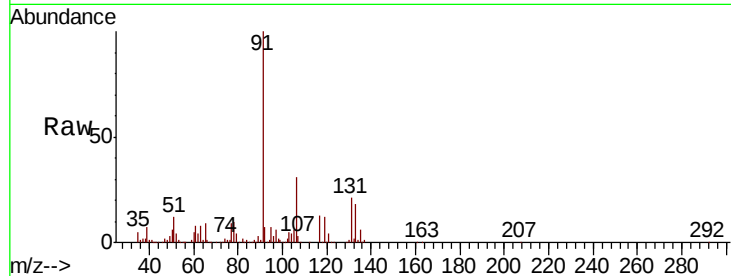




#67
Ethyl Benzene
Concen: 9.283 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW009565.D
Acq: 29 Mar 2019 10:21

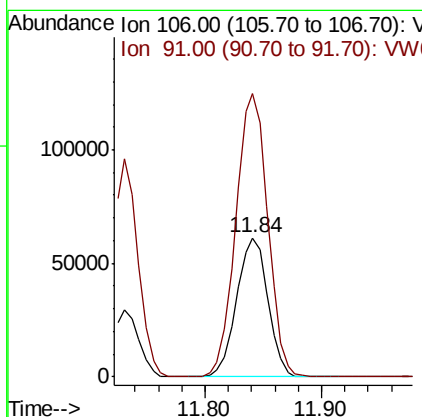
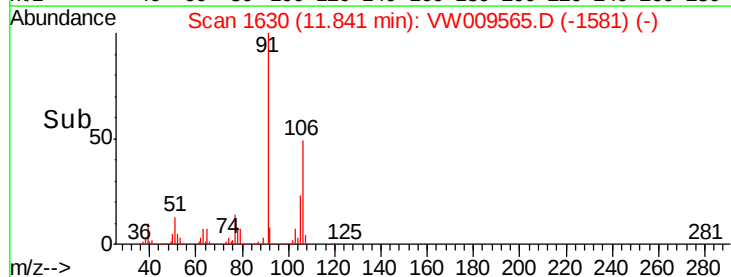
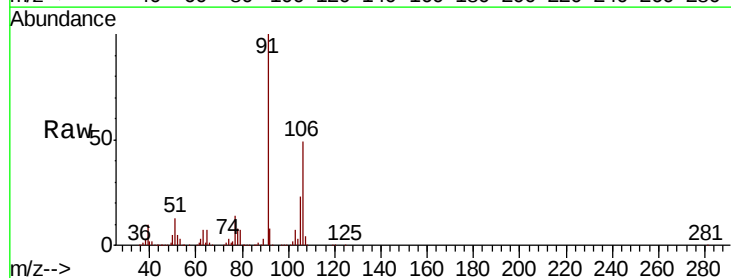
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

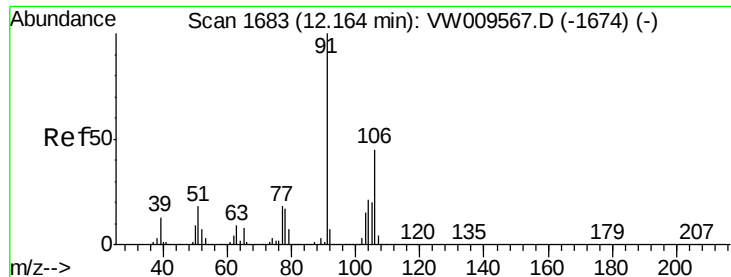
Tgt Ion: 91 Resp: 150198
Ion Ratio Lower Upper
91 100
106 30.7 24.6 36.8



#68
m/p-Xylenes
Concen: 18.693 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW009565.D
Acq: 29 Mar 2019 10:21

Tgt Ion: 106 Resp: 114934
Ion Ratio Lower Upper
106 100
91 206.9 163.1 244.7

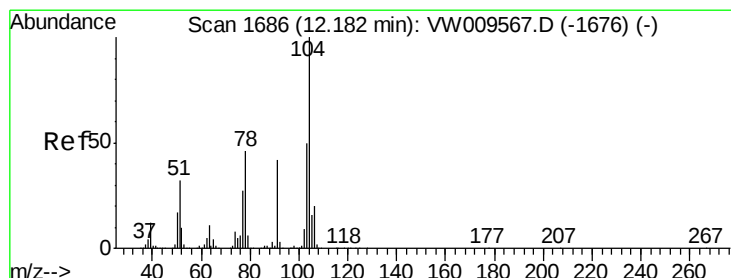
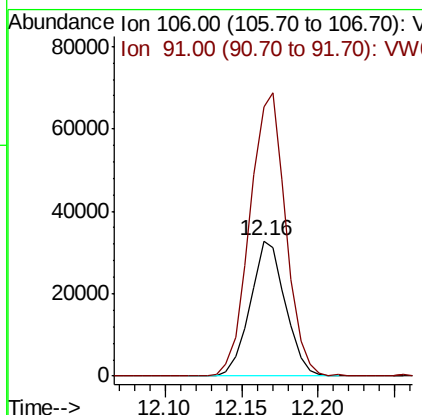
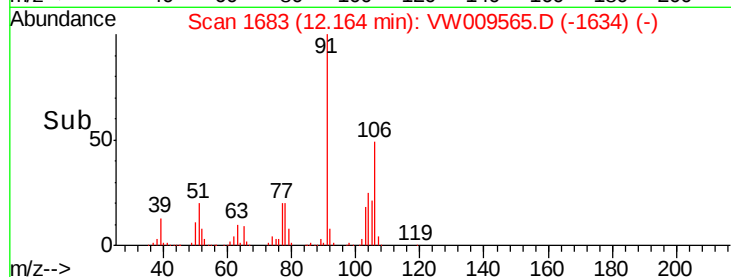
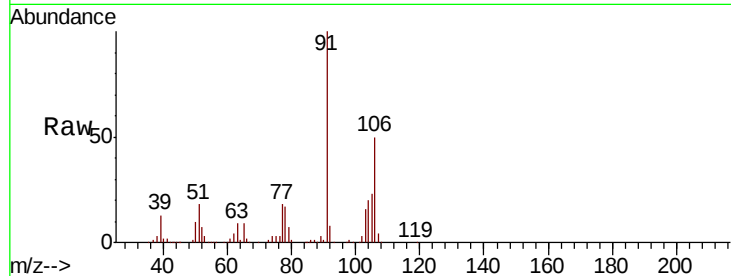




#69
o-Xylene
Concen: 9.072 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW009565.D
Acq: 29 Mar 2019 10:21

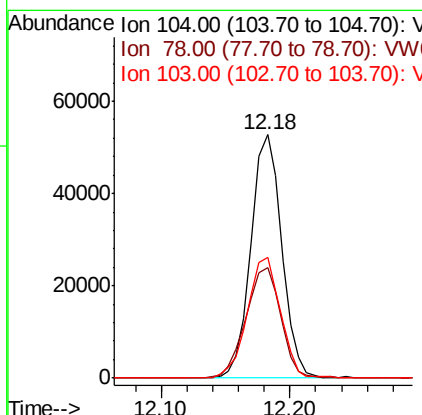
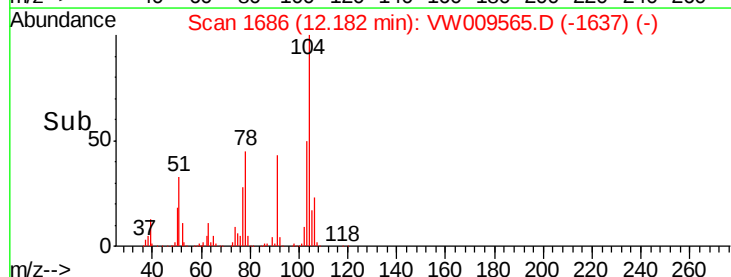
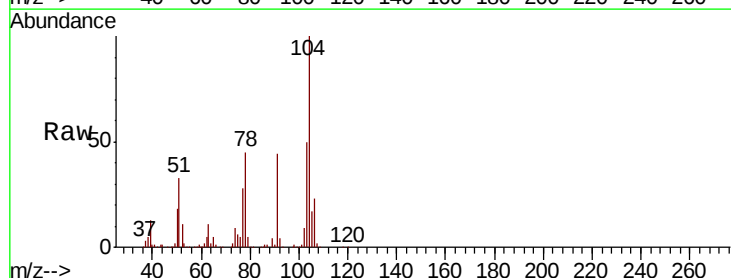
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

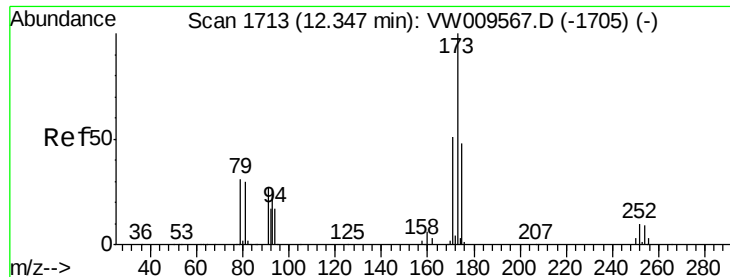
Tgt Ion:106 Resp: 52325
Ion Ratio Lower Upper
106 100
91 215.0 108.6 325.8



#70
Styrene
Concen: 8.925 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW009565.D
Acq: 29 Mar 2019 10:21

Tgt Ion:104 Resp: 86977
Ion Ratio Lower Upper
104 100
78 51.6 42.2 63.4
103 53.7 44.6 66.8





#71

Bromoform

Concen: 9.121 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

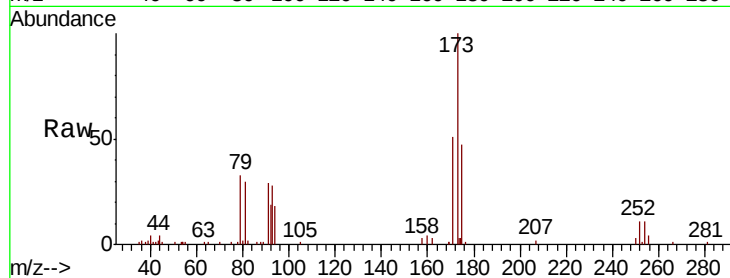
Tgt Ion:173 Resp: 15973

Ion Ratio Lower Upper

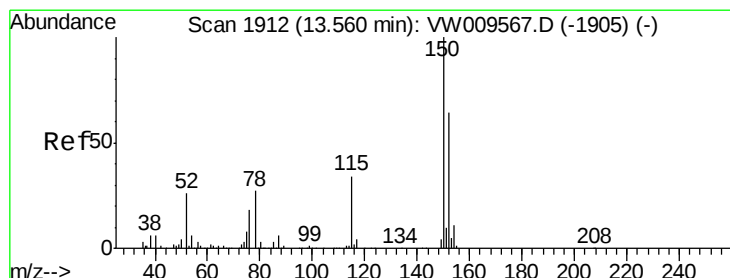
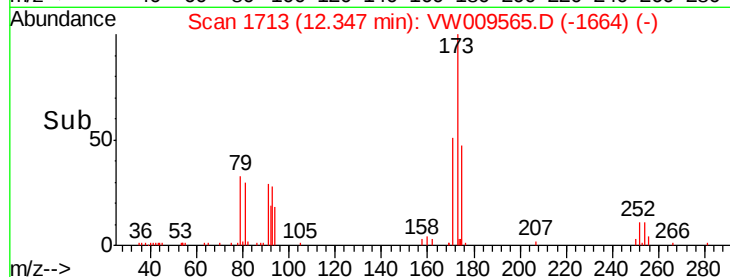
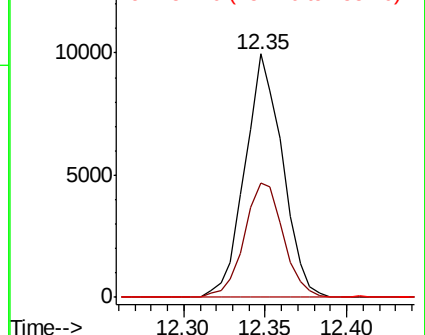
173 100

175 48.9 24.1 72.4

254 0.0 0.2 0.4#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

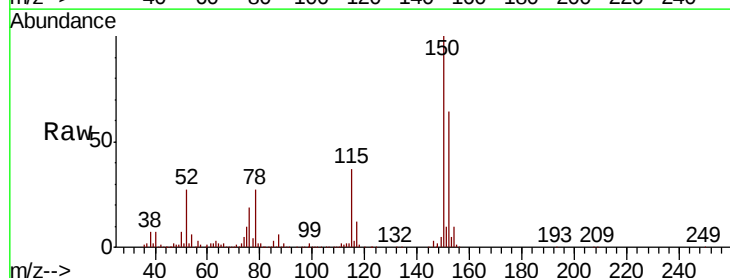
Tgt Ion:152 Resp: 229122

Ion Ratio Lower Upper

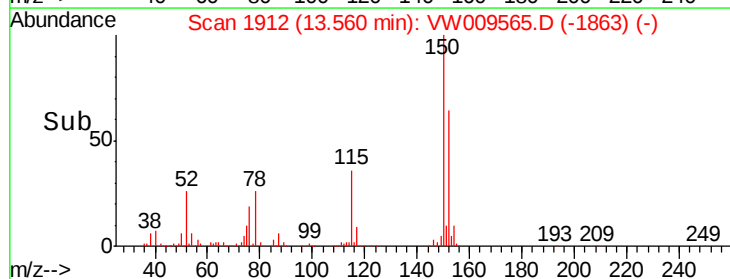
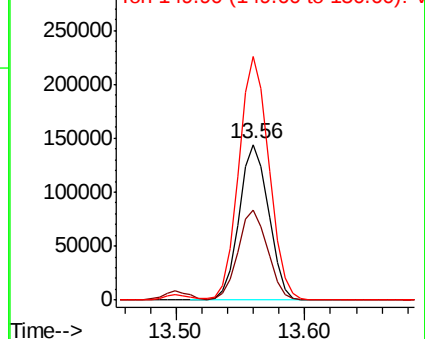
152 100

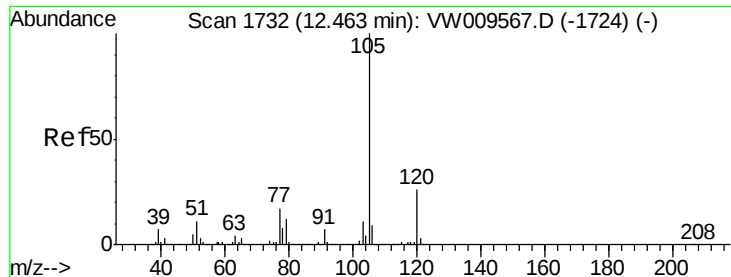
115 58.1 29.6 88.8

150 159.2 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 8.517 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

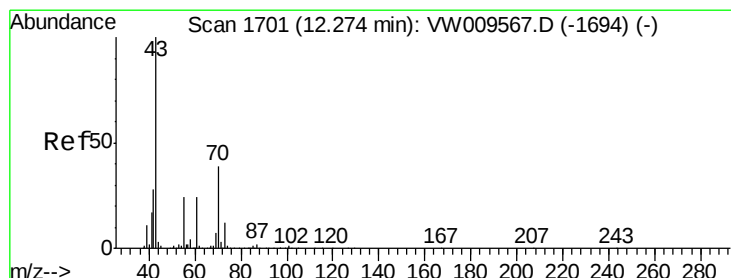
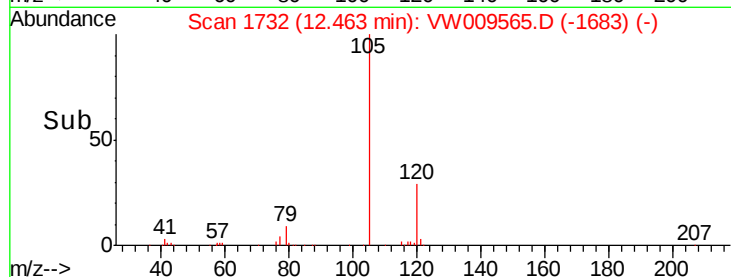
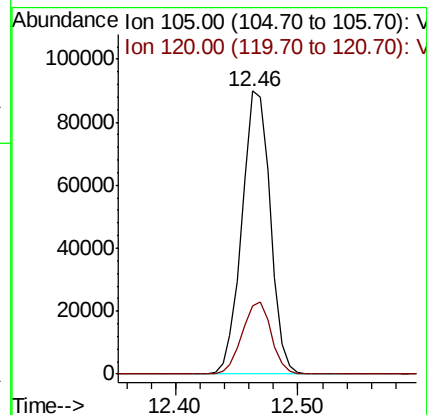
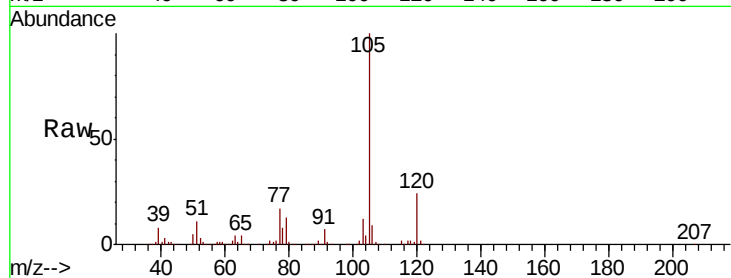
VSTDIC010

Tgt Ion:105 Resp: 144138

Ion Ratio Lower Upper

105 100

120 26.2 13.0 39.0



#74

N-ethyl acetate

Concen: 8.400 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

Tgt Ion: 43 Resp: 35847

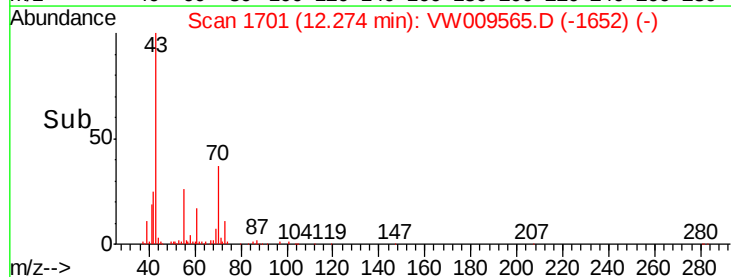
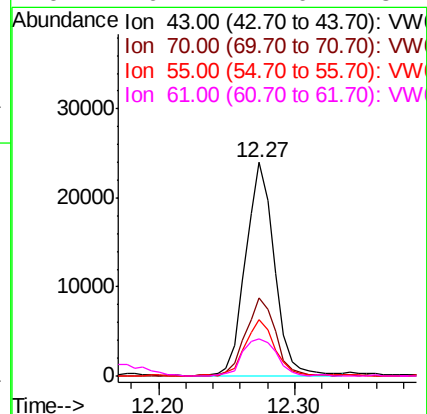
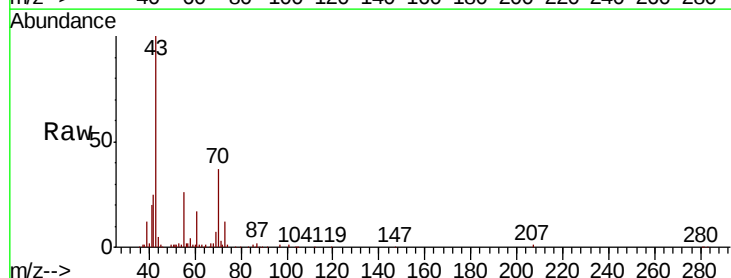
Ion Ratio Lower Upper

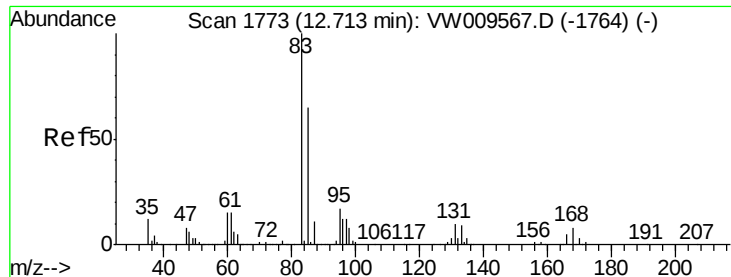
43 100

70 37.8 30.6 46.0

55 27.3 19.3 28.9

61 20.7 17.0 25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 9.550 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

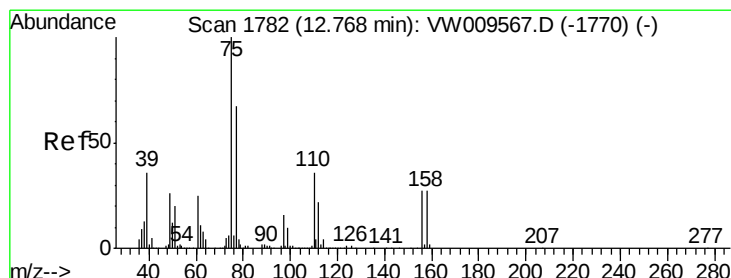
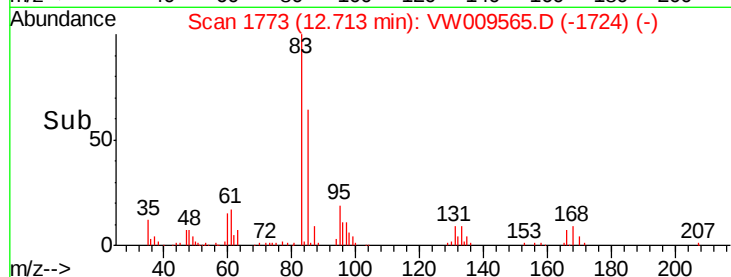
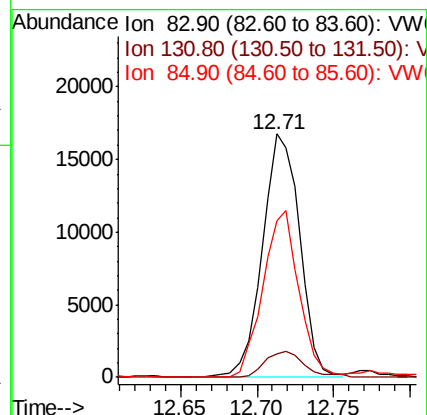
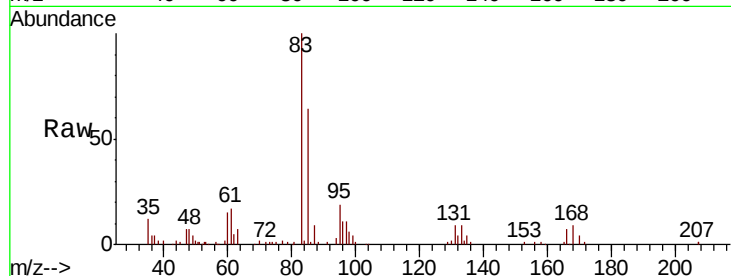
Tgt Ion: 83 Resp: 28503

Ion Ratio Lower Upper

83 100

131 11.3 5.3 16.1

85 66.2 32.6 97.8



#76

1,2,3-Trichloropropane

Concen: 17.215 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW009565.D

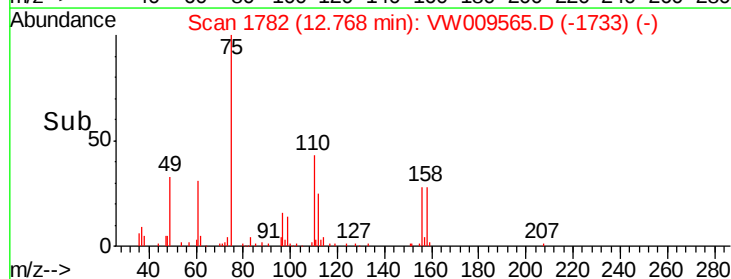
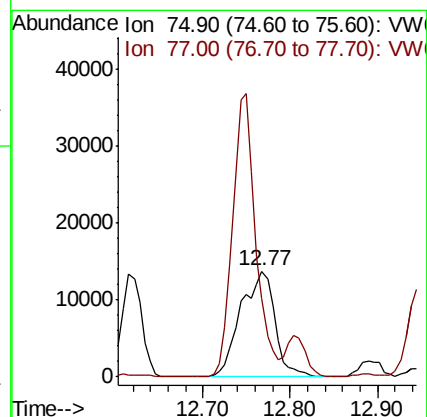
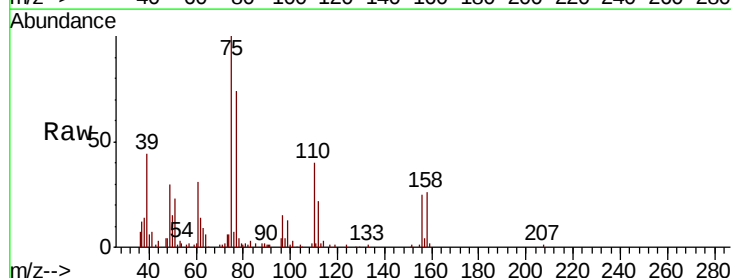
Acq: 29 Mar 2019 10:21

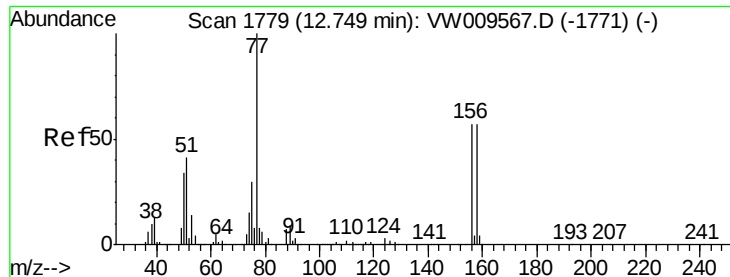
Tgt Ion: 75 Resp: 37305

Ion Ratio Lower Upper

75 100

77 182.3 0.0 0.0#





#77

Bromobenzene

Concen: 9.362 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

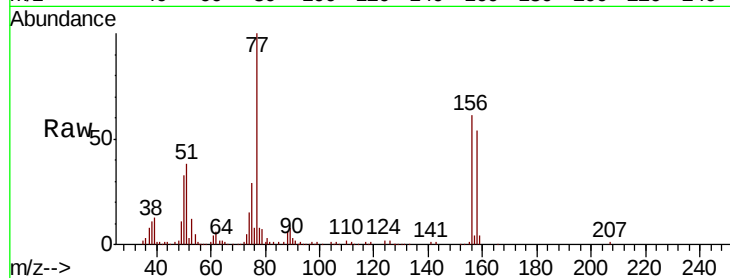
Tgt Ion: 156 Resp: 35313

Ion Ratio Lower Upper

156 100

77 192.5 96.0 288.0

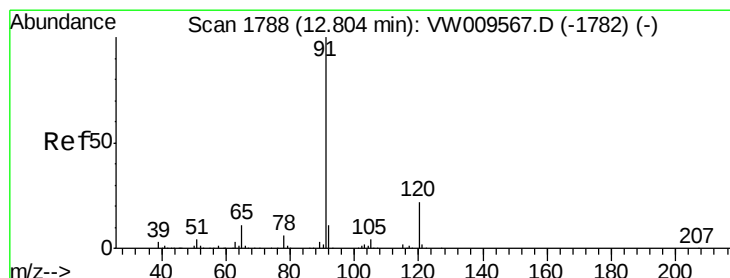
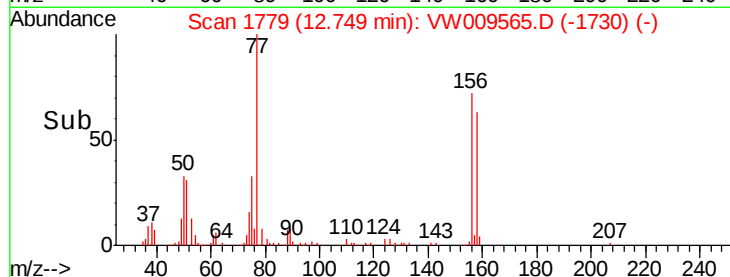
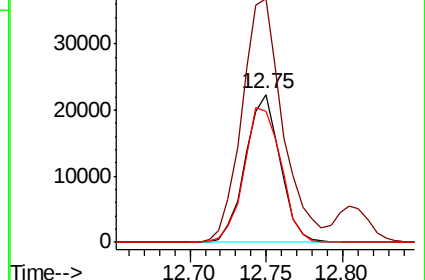
158 97.6 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 8.695 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW009565.D

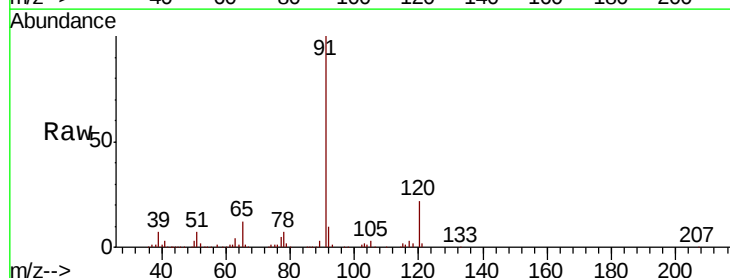
Acq: 29 Mar 2019 10:21

Tgt Ion: 91 Resp: 181265

Ion Ratio Lower Upper

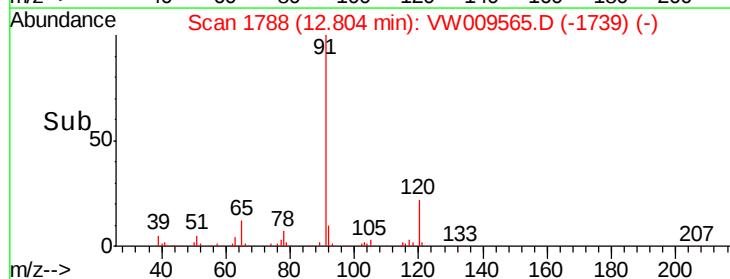
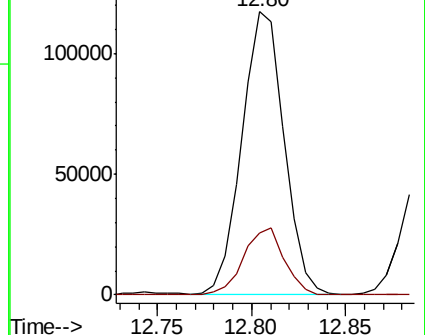
91 100

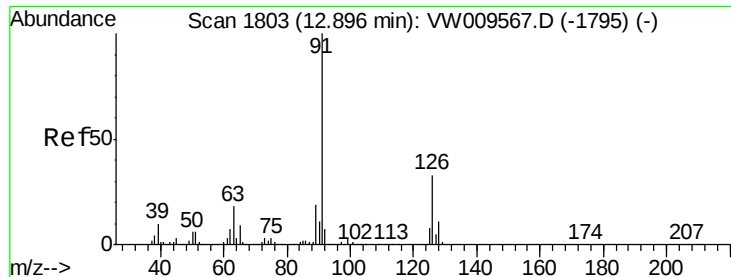
120 22.9 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 8.938 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

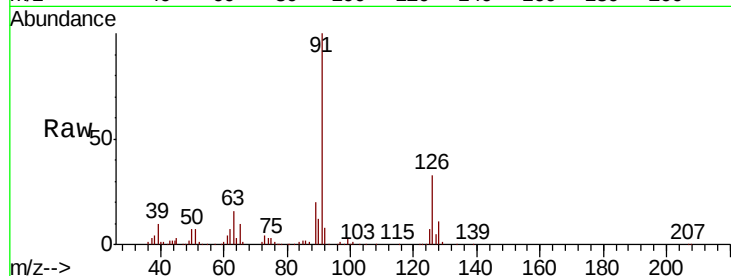
VSTDIC010

Tgt Ion: 91 Resp: 104705

Ion Ratio Lower Upper

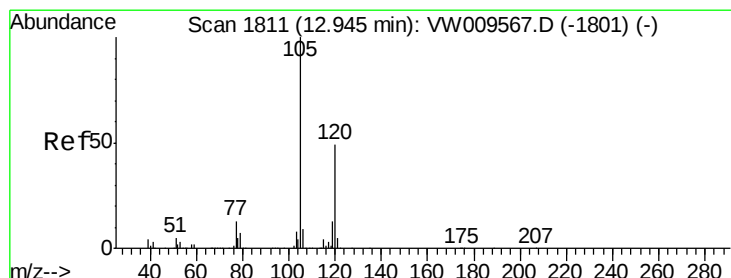
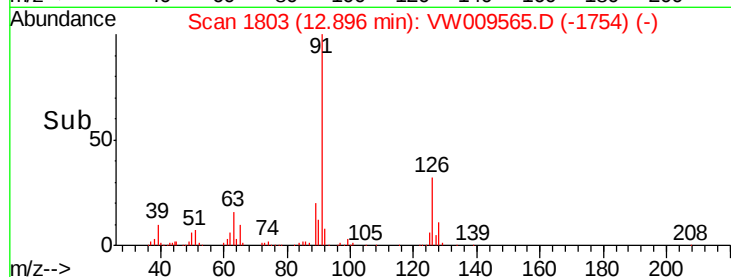
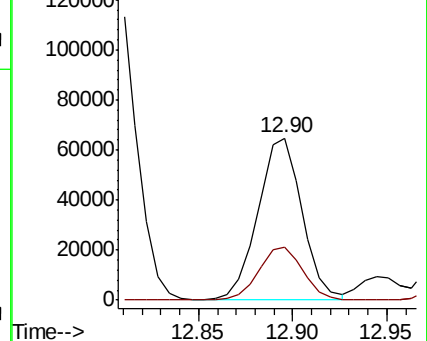
91 100

126 32.9 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 8.771 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW009565.D

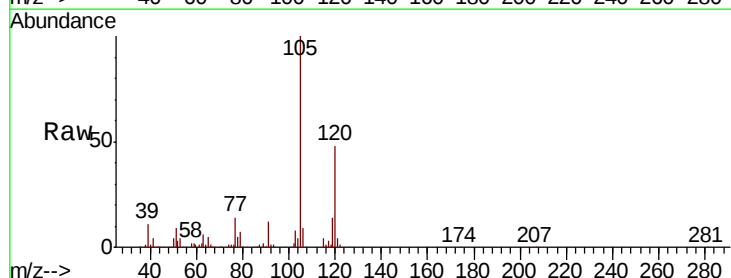
Acq: 29 Mar 2019 10:21

Tgt Ion: 105 Resp: 125609

Ion Ratio Lower Upper

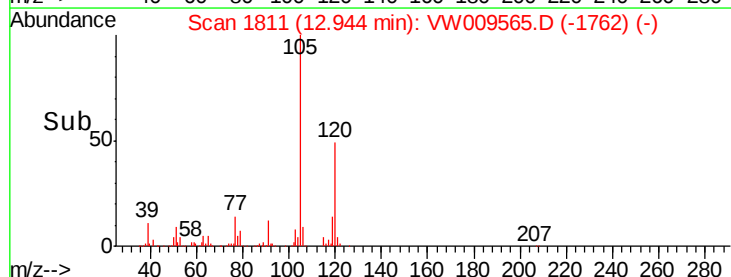
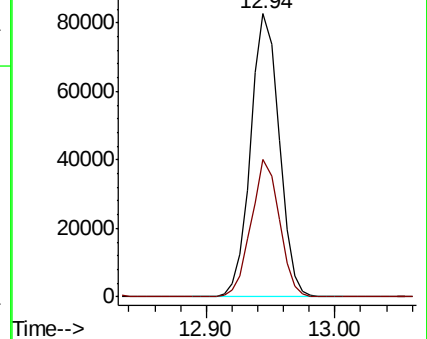
105 100

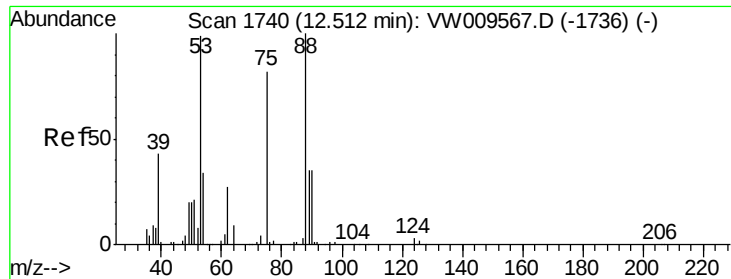
120 48.3 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 8.387 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

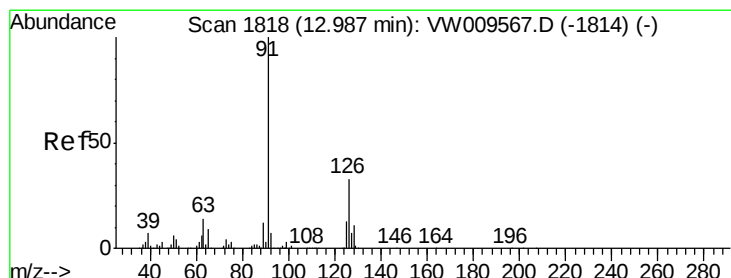
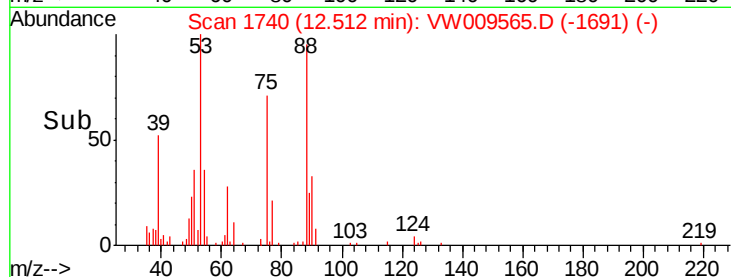
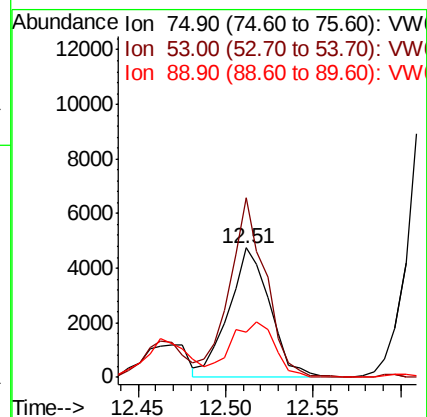
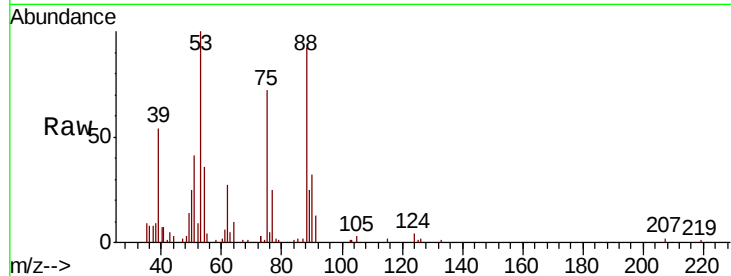
Tgt Ion: 75 Resp: 7785

Ion Ratio Lower Upper

75 100

53 123.0 86.7 130.1

89 46.1 36.4 54.6



#82

4-Chlorotoluene

Concen: 8.980 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW009565.D

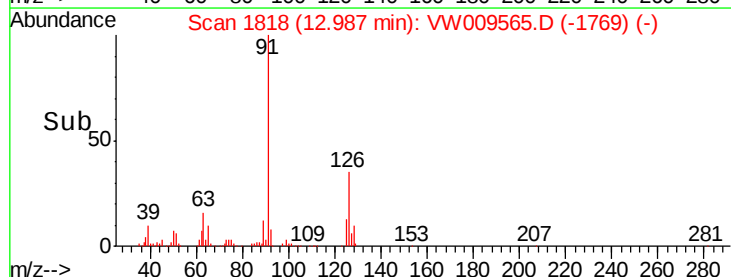
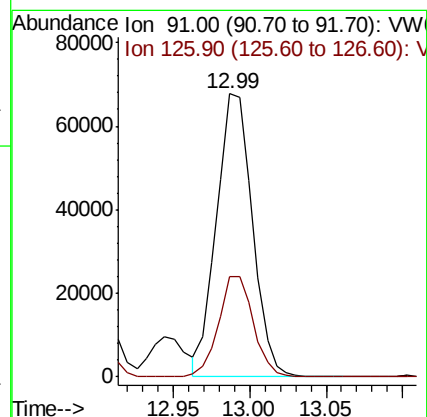
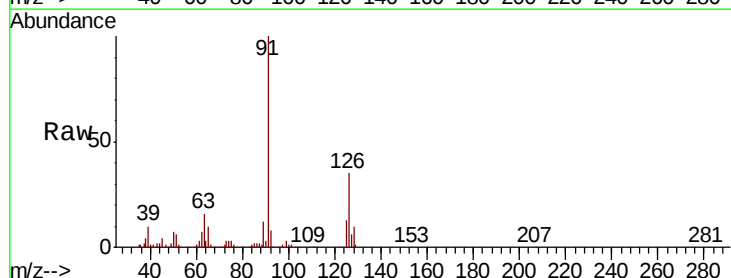
Acq: 29 Mar 2019 10:21

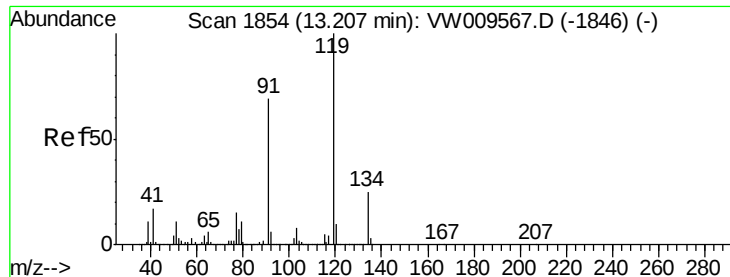
Tgt Ion: 91 Resp: 110784

Ion Ratio Lower Upper

91 100

126 34.4 16.9 50.6

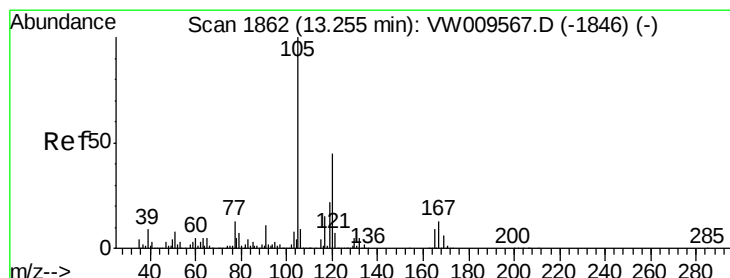
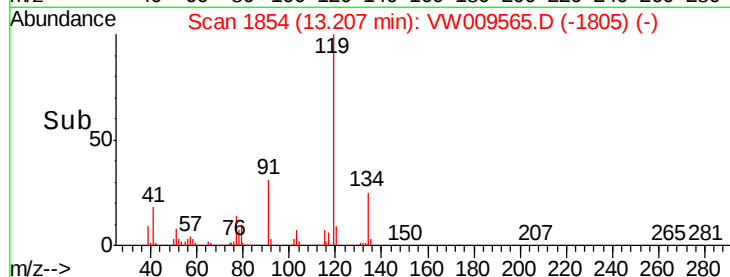
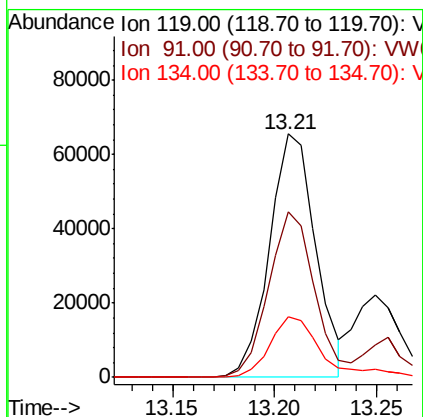
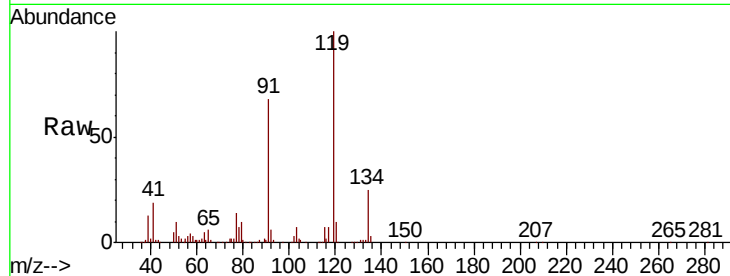




#83
tert-Butylbenzene
Concen: 8.470 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW009565.D
Acq: 29 Mar 2019 10:21

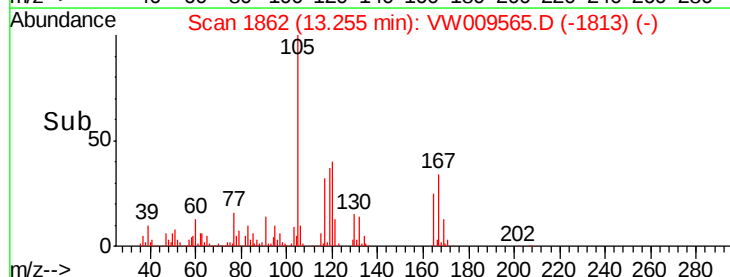
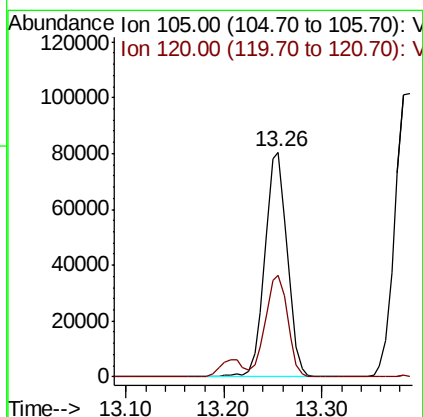
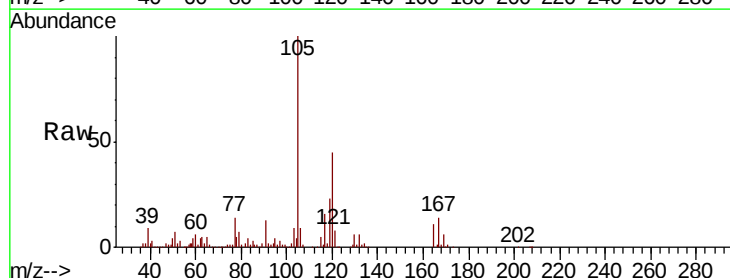
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

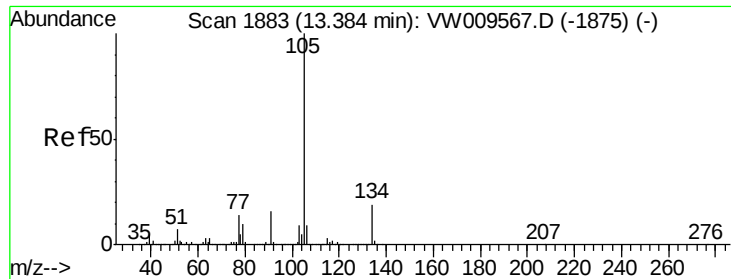
Tgt Ion:119 Resp: 103212
Ion Ratio Lower Upper
119 100
91 68.7 34.4 103.2
134 28.2 12.7 38.1



#84
1,2,4-Trimethylbenzene
Concen: 8.636 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW009565.D
Acq: 29 Mar 2019 10:21

Tgt Ion:105 Resp: 127711
Ion Ratio Lower Upper
105 100
120 44.9 22.8 68.3

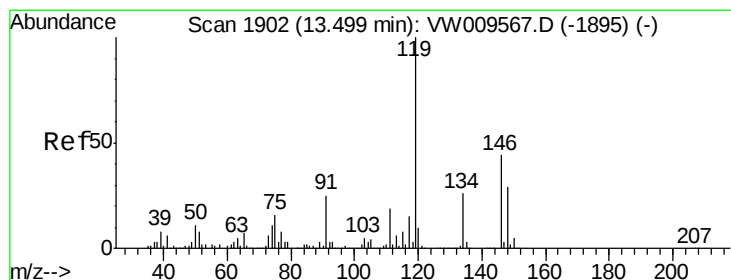
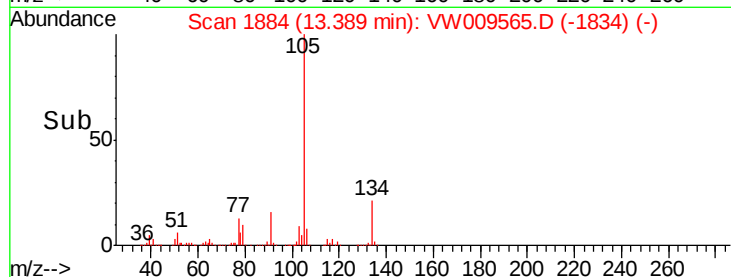
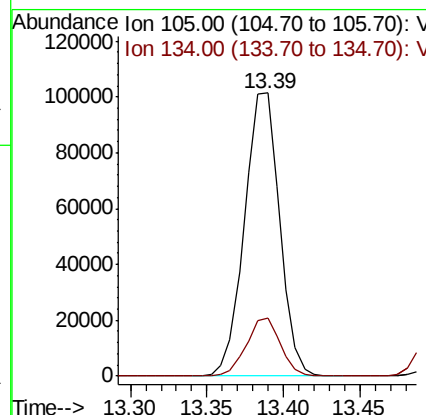
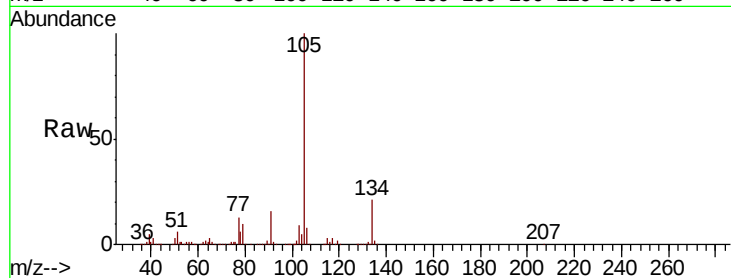




#85
 sec-Butylbenzene
 Concen: 8.752 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.01 min
 Lab File: VW009565.D
 Acq: 29 Mar 2019 10:21

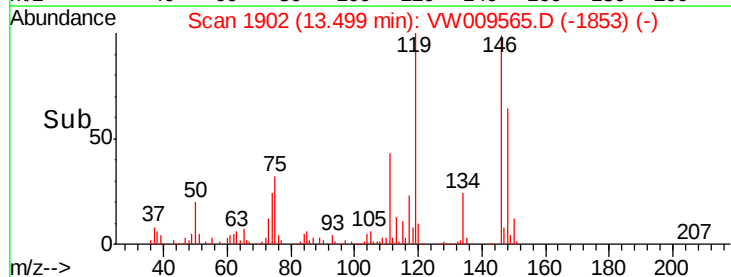
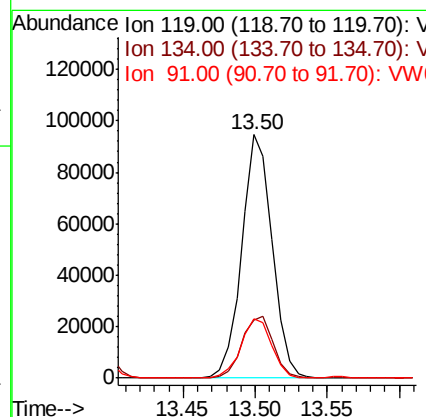
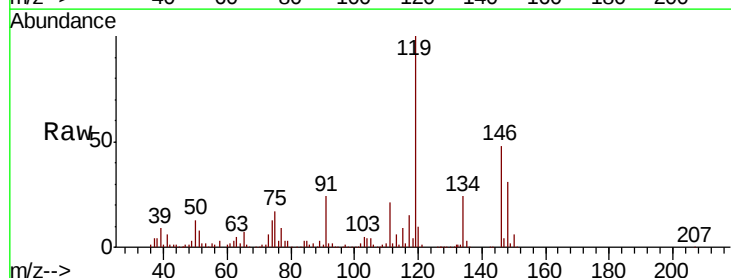
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

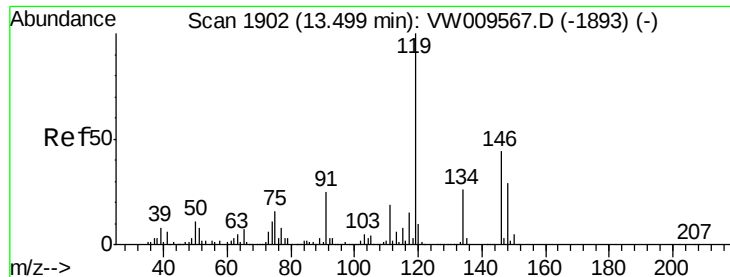
Tgt Ion:105 Resp: 161963
 Ion Ratio Lower Upper
 105 100
 134 19.9 10.2 30.6



#86
 p-Isopropyltoluene
 Concen: 8.604 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW009565.D
 Acq: 29 Mar 2019 10:21

Tgt Ion:119 Resp: 138392
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.1 39.3
 91 25.0 12.3 36.8

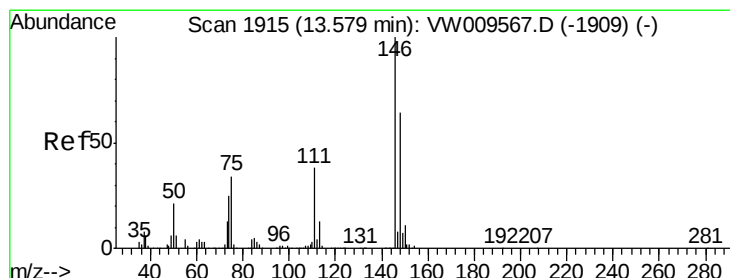
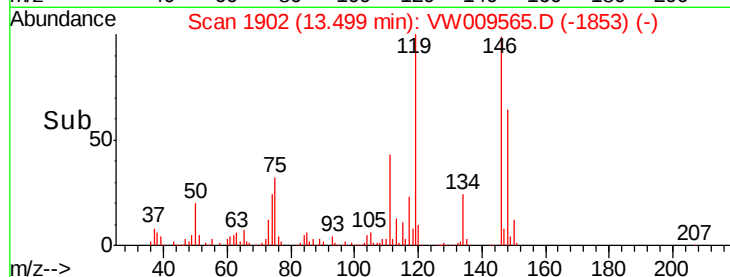
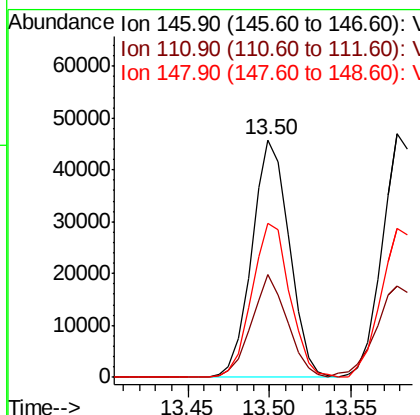
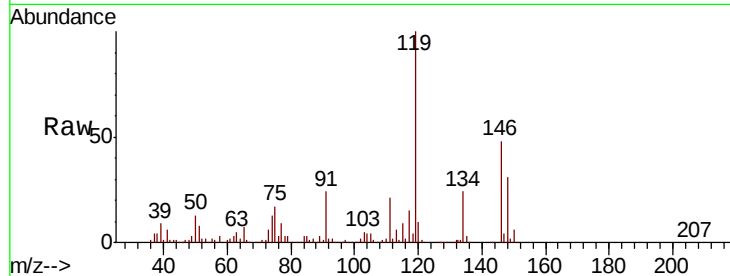




#87
 1,3-Dichlorobenzene
 Concen: 9.367 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW009565.D
 Acq: 29 Mar 2019 10:21

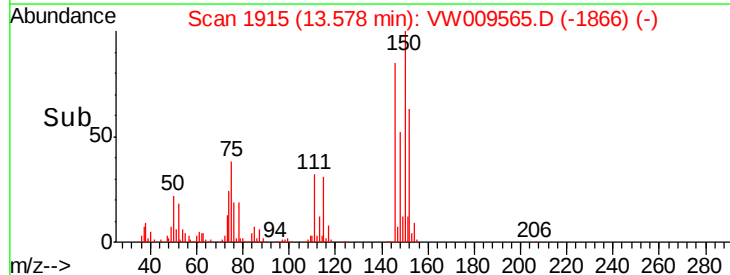
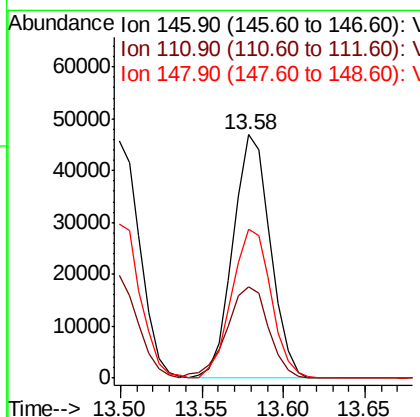
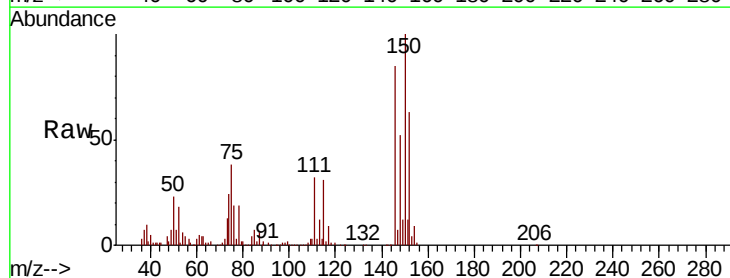
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

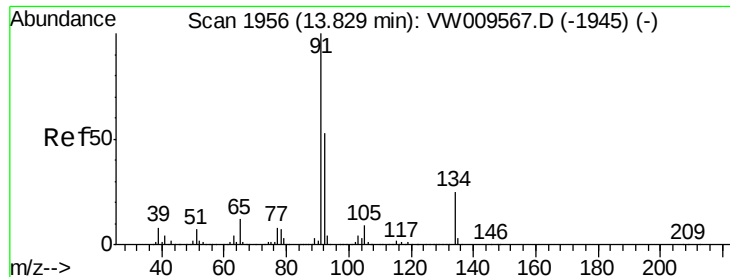
Tgt Ion:146 Resp: 72728
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.1 60.2
 148 66.1 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 9.727 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW009565.D
 Acq: 29 Mar 2019 10:21

Tgt Ion:146 Resp: 75092
 Ion Ratio Lower Upper
 146 100
 111 42.1 19.9 59.6
 148 64.2 32.2 96.6





#89

n-Butylbenzene

Concen: 8.574 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

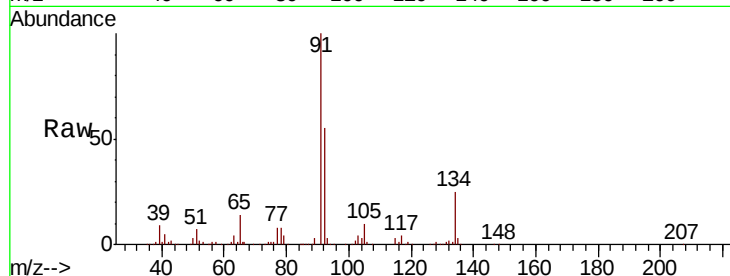
Tgt Ion: 91 Resp: 135819

Ion Ratio Lower Upper

91 100

92 52.3 26.4 79.0

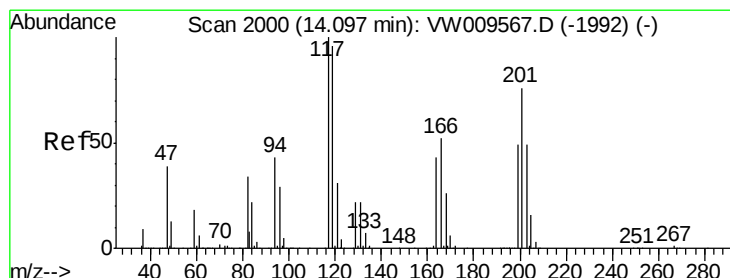
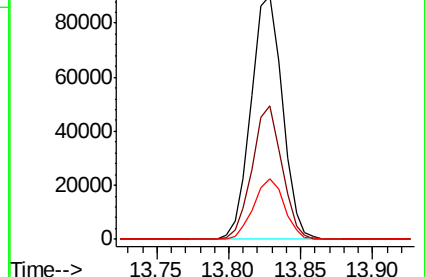
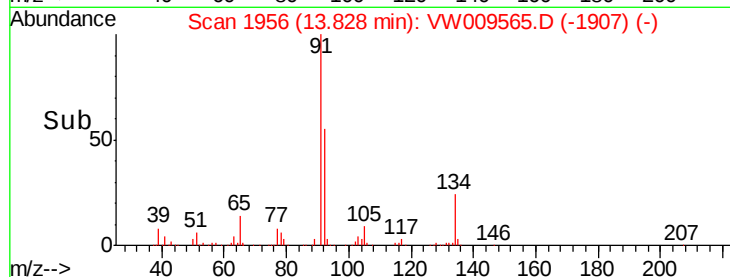
134 24.4 12.9 38.6



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: 9.104 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW009565.D

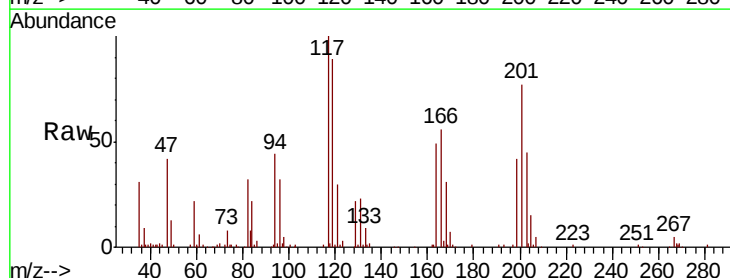
Acq: 29 Mar 2019 10:21

Tgt Ion: 117 Resp: 27126

Ion Ratio Lower Upper

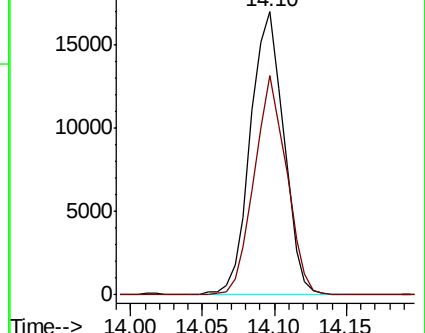
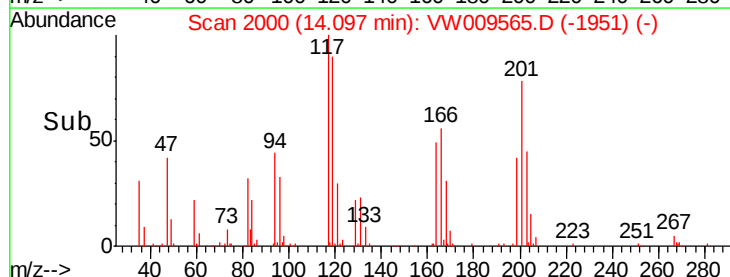
117 100

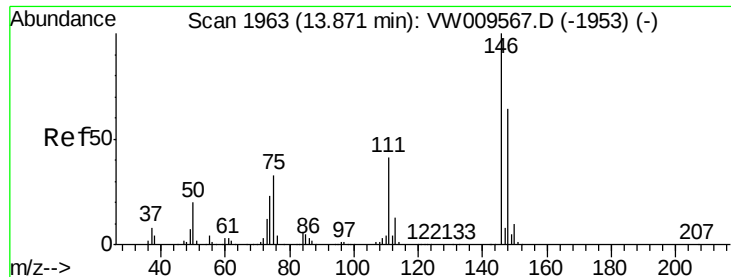
201 75.0 38.2 114.6



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 9.286 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

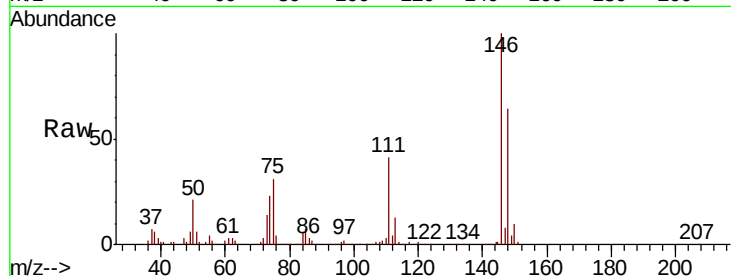
Tgt Ion:146 Resp: 64908

Ion Ratio Lower Upper

146 100

111 43.2 20.4 61.2

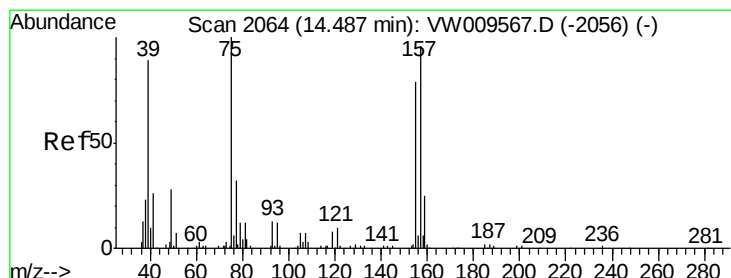
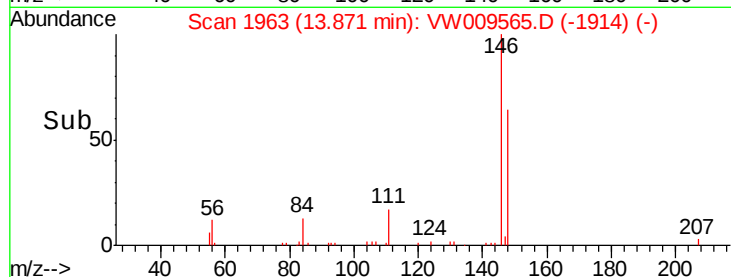
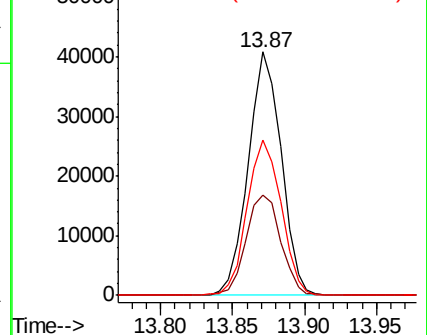
148 65.7 31.9 95.9



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: 9.386 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

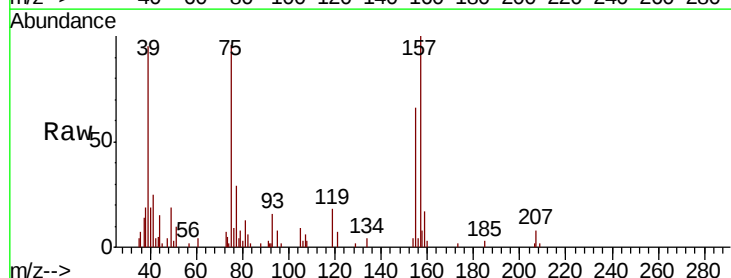
Tgt Ion: 75 Resp: 5158

Ion Ratio Lower Upper

75 100

155 73.7 39.3 117.8

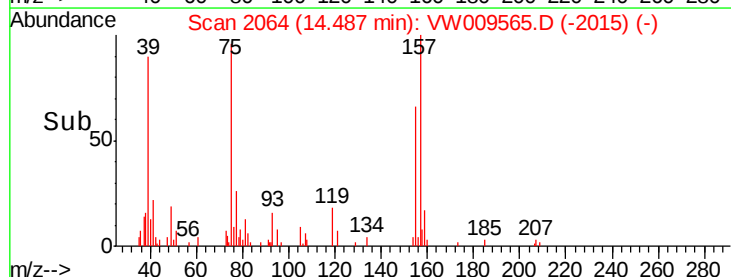
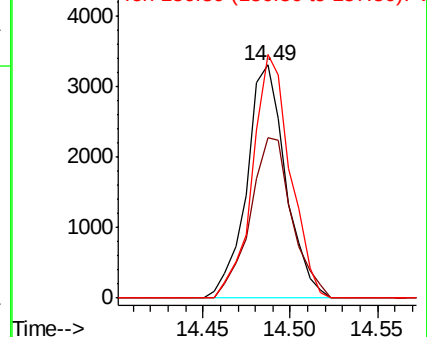
157 101.3 49.5 148.5

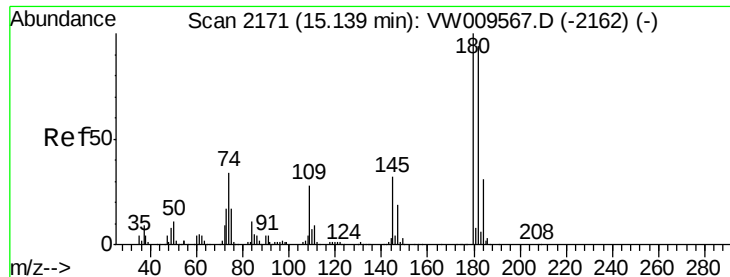


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

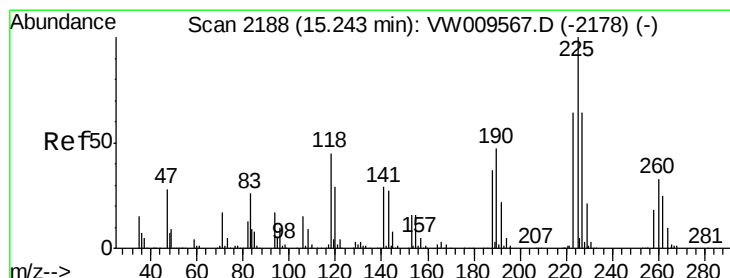
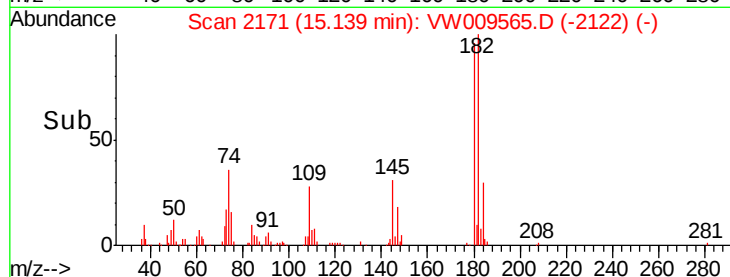
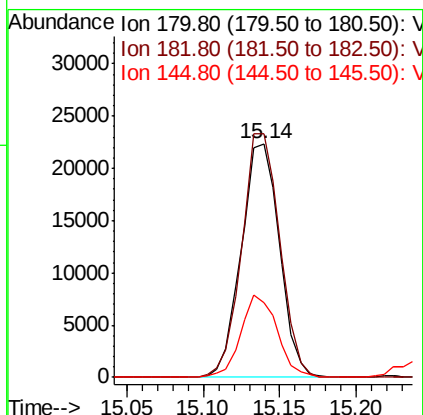
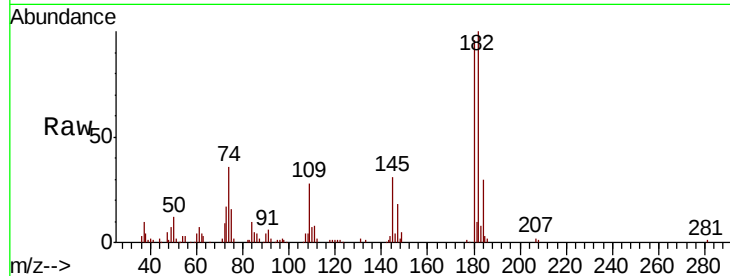




#93
 1,2,4-Trichlorobenzene
 Concen: 8.403 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW009565.D
 Acq: 29 Mar 2019 10:21

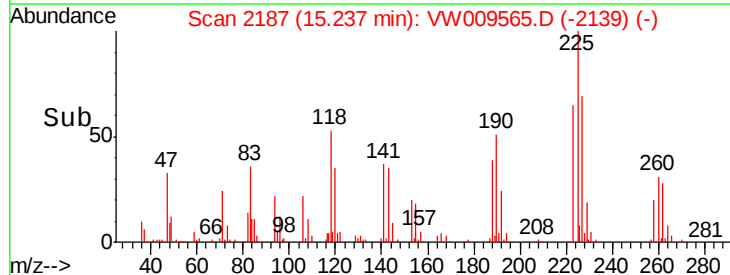
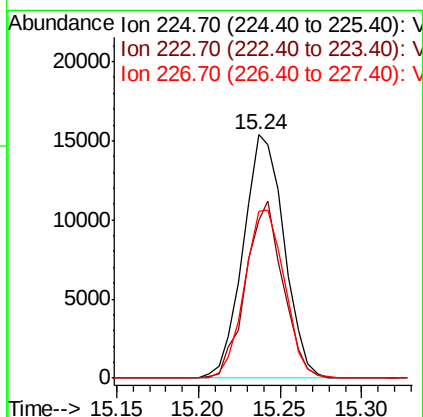
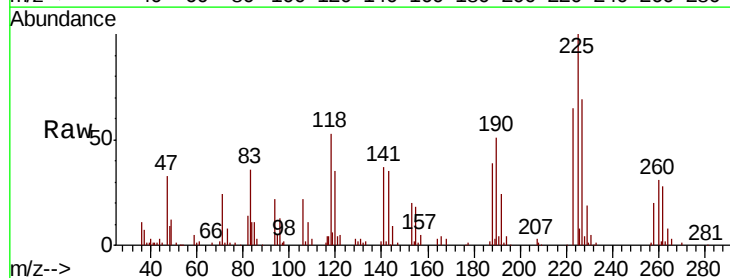
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

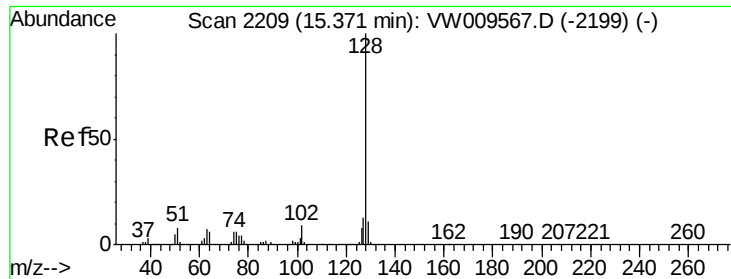
Tgt Ion:180 Resp: 38906
 Ion Ratio Lower Upper
 180 100
 182 103.7 47.9 143.7
 145 33.4 15.0 45.0



#94
 Hexachlorobutadiene
 Concen: 9.308 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW009565.D
 Acq: 29 Mar 2019 10:21

Tgt Ion:225 Resp: 26789
 Ion Ratio Lower Upper
 225 100
 223 66.2 31.4 94.3
 227 67.5 32.1 96.5





#95

Naphthalene

Concen: 7.576 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

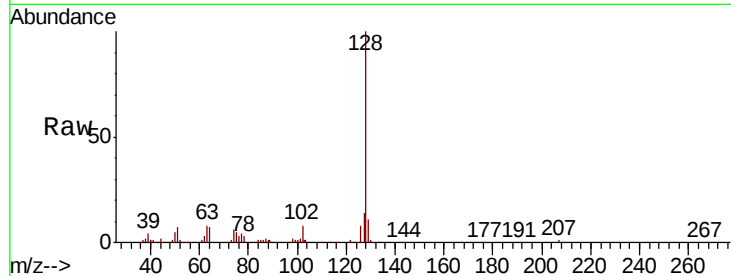
Tgt Ion:128 Resp: 65084

Ion Ratio Lower Upper

128 100

127 14.7 10.8 16.2

129 11.2 8.7 13.1

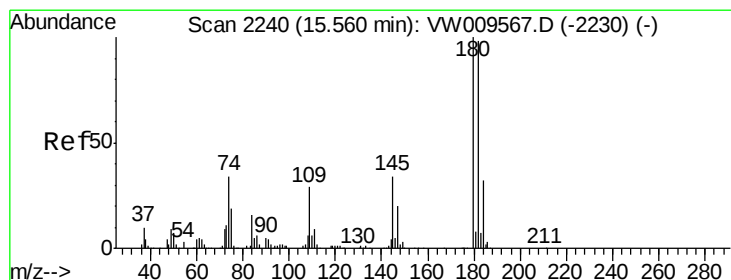
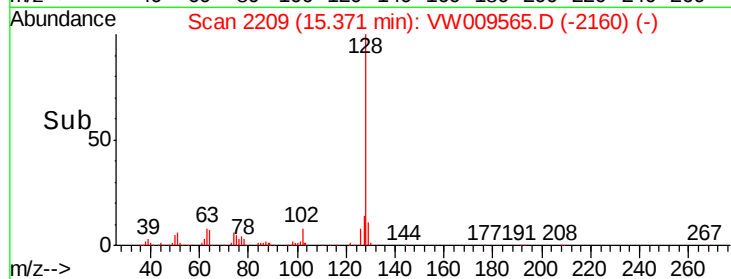
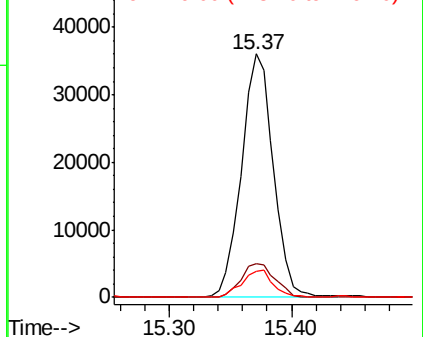


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 8.793 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW009565.D

Acq: 29 Mar 2019 10:21

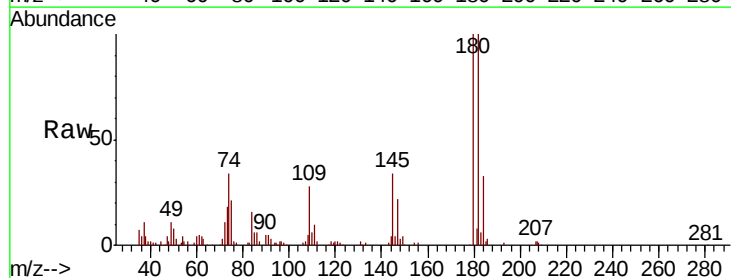
Tgt Ion:180 Resp: 35870

Ion Ratio Lower Upper

180 100

182 94.2 47.3 141.9

145 33.3 16.0 48.0



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

