

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092418\
 Data File : VW005579.D
 Acq On : 24 Sep 2018 12:47
 Operator : VA/AP
 Sample : VW0924SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0924SBSD01

Quant Time: Sep 24 15:51:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 09:05:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	222212	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	328389	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	300181	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	164376	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	123583	47.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.42%	
35) Dibromofluoromethane	7.89	113	104438	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
50) Toluene-d8	10.33	98	431565	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
62) 4-Bromofluorobenzene	12.63	95	156633	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	30267	20.739	ug/l	97
3) Chloromethane	2.21	50	29340	16.425	ug/l	99
4) Vinyl Chloride	2.37	62	43481	20.364	ug/l	98
5) Bromomethane	2.79	94	28780	19.945	ug/l	99
6) Chloroethane	2.93	64	26135	19.075	ug/l	95
7) Trichlorofluoromethane	3.26	101	36987	22.148	ug/l	98
8) Diethyl Ether	3.68	74	19911	18.252	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.07	101	42506	20.107	ug/l	100
10) Methyl Iodide	4.27	142	64008	19.689	ug/l	99
11) Tert butyl alcohol	5.21	59	12018	87.372	ug/l #	84
12) 1,1-Dichloroethene	4.04	96	40247	19.887	ug/l	94
13) Acrolein	3.90	56	9353	90.960	ug/l	100
14) Allyl chloride	4.67	41	65031	18.412	ug/l	98
15) Acrylonitrile	5.38	53	41776	86.253	ug/l	99
16) Acetone	4.14	43	43725	100.608	ug/l	94
17) Carbon Disulfide	4.38	76	124653	19.713	ug/l	100
18) Methyl Acetate	4.68	43	19516	15.729	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	58331	18.673	ug/l	100
20) Methylene Chloride	4.92	84	48304	19.399	ug/l	98
21) trans-1,2-Dichloroethene	5.43	96	42275	19.072	ug/l	97
22) Diisopropyl ether	6.32	45	125255	18.268	ug/l	95
23) Vinyl Acetate	6.26	43	350614	89.468	ug/l	98
24) 1,1-Dichloroethane	6.23	63	80221	18.937	ug/l	98
25) 2-Butanone	7.18	43	52939	83.263	ug/l	100
26) 2,2-Dichloropropane	7.17	77	59668	20.176	ug/l	99
27) cis-1,2-Dichloroethene	7.18	96	46443	18.996	ug/l	99
28) Bromochloromethane	7.51	49	27871	16.610	ug/l	96
29) Tetrahydrofuran	7.54	42	32761	82.478	ug/l	99
30) Chloroform	7.68	83	83612	19.118	ug/l	98
31) Cyclohexane	7.96	56	79161	19.505	ug/l	97
32) 1,1,1-Trichloroethane	7.88	97	76736	19.862	ug/l	99
36) 1,1-Dichloropropene	8.09	75	67664	20.469	ug/l	99
37) Ethyl Acetate	7.26	43	23783	17.096	ug/l	97
38) Carbon Tetrachloride	8.07	117	73277	20.686	ug/l	98

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 Sample : VW0924SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0924SBSD01

Quant Time: Sep 24 15:51:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 09:05:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	78776	20.198	ug/l	96
40) Benzene	8.34	78	180026	19.220	ug/l	98
41) Methacrylonitrile	7.49	41	14305	18.070	ug/l	99
42) 1,2-Dichloroethane	8.41	62	58236	19.420	ug/l	99
43) Isopropyl Acetate	8.43	43	46215	16.897	ug/l	98
44) Trichloroethene	9.10	130	47973	20.010	ug/l	98
45) 1,2-Dichloropropane	9.38	63	42953	18.640	ug/l	99
46) Dibromomethane	9.46	93	21807	18.940	ug/l	98
47) Bromodichloromethane	9.65	83	59405	19.207	ug/l	97
48) Methyl methacrylate	9.45	41	23336	17.963	ug/l	96
49) 1,4-Dioxane	9.48	88	6185	337.885	ug/l #	95
51) 4-Methyl-2-Pentanone	10.22	43	116199	84.350	ug/l	100
52) Toluene	10.39	92	116616	19.954	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	59177	19.086	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	67735	19.498	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	30827	18.862	ug/l	98
56) Ethyl methacrylate	10.65	69	35502	17.597	ug/l	99
57) 1,3-Dichloropropane	10.94	76	52951	18.281	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	84466	92.359	ug/l	97
59) 2-Hexanone	10.98	43	81821	87.432	ug/l	99
60) Dibromochloromethane	11.13	129	38930	19.715	ug/l	98
61) 1,2-Dibromoethane	11.24	107	28828	18.919	ug/l	99
64) Tetrachloroethene	10.87	164	42574	19.983	ug/l	96
65) Chlorobenzene	11.66	112	124608	19.554	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	45764	19.954	ug/l	99
67) Ethyl Benzene	11.74	91	227342	20.099	ug/l	100
68) m/p-Xylenes	11.85	106	175767	41.130	ug/l	99
69) o-Xylene	12.17	106	80299	20.064	ug/l	97
70) Styrene	12.19	104	133198	19.776	ug/l	99
71) Bromoform	12.35	173	23251	19.099	ug/l #	99
73) Isopropylbenzene	12.48	105	230267	20.201	ug/l	100
74) N-amyl acetate	12.28	43	43579	16.883	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.72	83	34154	18.038	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	49370	35.234	ug/l #	100
77) Bromobenzene	12.76	156	52978	19.829	ug/l	97
78) n-propylbenzene	12.81	91	281736	20.415	ug/l	98
79) 2-Chlorotoluene	12.90	91	155553	19.482	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	195890	19.763	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.52	75	11780	18.935	ug/l	99
82) 4-Chlorotoluene	12.99	91	169019	20.035	ug/l	100
83) tert-Butylbenzene	13.21	119	161722	19.421	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	203137	20.309	ug/l	99
85) sec-Butylbenzene	13.39	105	245376	20.317	ug/l	99
86) p-Isopropyltoluene	13.51	119	227450	21.011	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	105932	19.391	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	108464	19.963	ug/l	98
89) n-Butylbenzene	13.83	91	209591	20.527	ug/l	99
90) Hexachloroethane	14.10	117	39550	20.158	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	97303	20.176	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6519	18.071	ug/l	99

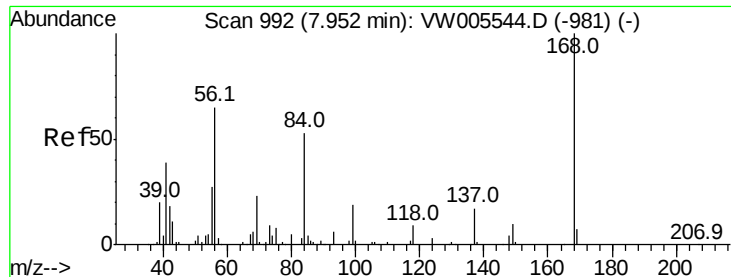
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092418\
Data File : VW005579.D
Acq On : 24 Sep 2018 12:47
Operator : VA/AP
Sample : VW0924SBSD01
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Quant Time: Sep 24 15:51:28 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 21 09:05:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	69861	20.307	ug/l	98
94) Hexachlorobutadiene	15.25	225	45443	20.389	ug/l	100
95) Naphthalene	15.38	128	110923	19.169	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	60683	20.016	ug/l	99

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

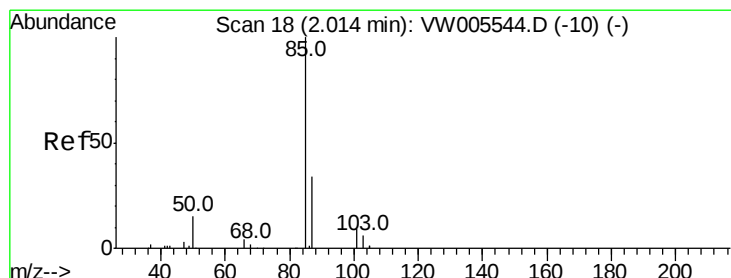
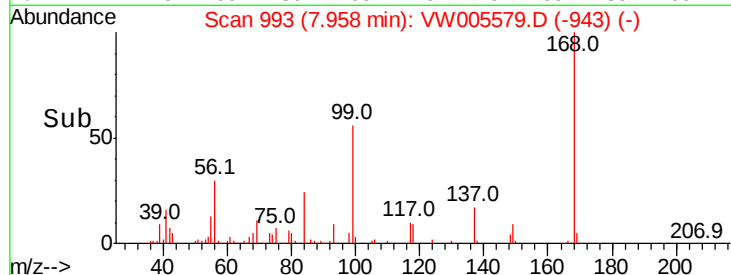
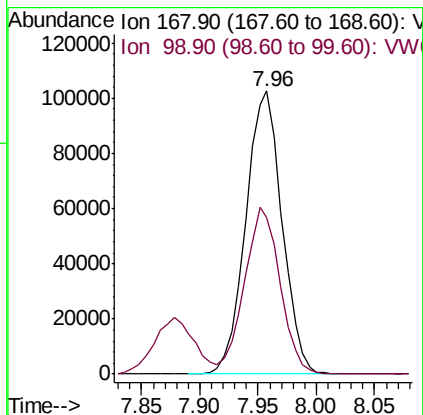
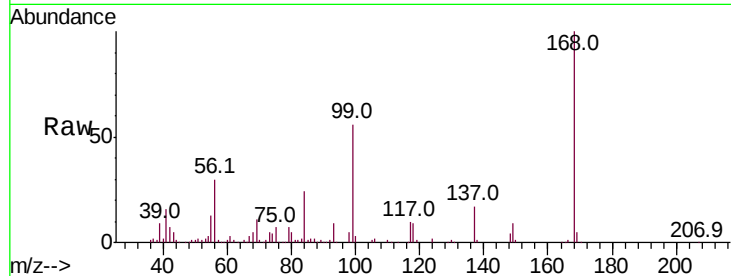


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: VW005579.D
 Acq: 24 Sep 2018 12:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0924SBSD01

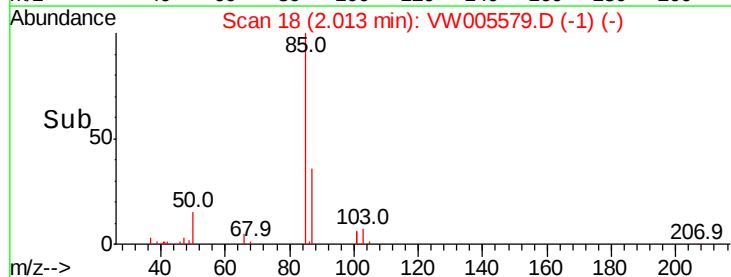
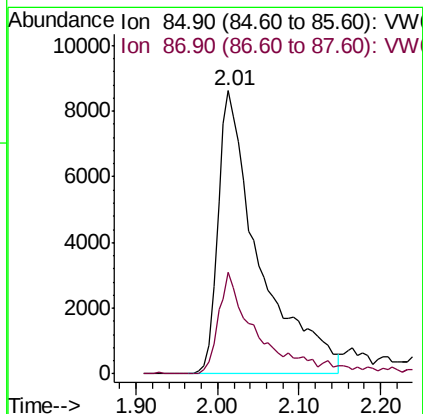
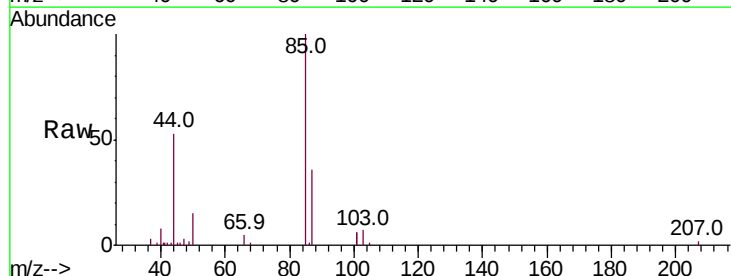
Tot Ion:168 Resp: 222212
 Ion Ratio Lower Upper
 168 100
 99 55.4 48.4 72.6

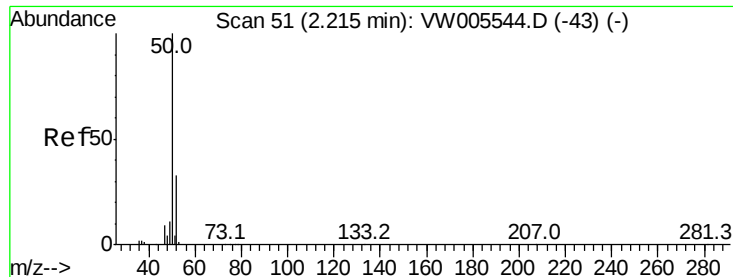


#2

Dichlorodifluoromethane
 Concen: 20.739 ug/l
 RT: 2.01 min Scan# 18
 Delta R.T. 0.00 min
 Lab File: VW005579.D
 Acq: 24 Sep 2018 12:47

Tgt Ion: 85 Resp: 30267
 Ion Ratio Lower Upper
 85 100
 87 35.8 17.0 50.9





#3

Chloromethane

Concen: 16.425 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Instrument :

MSVOA_W

ClientSampleId :

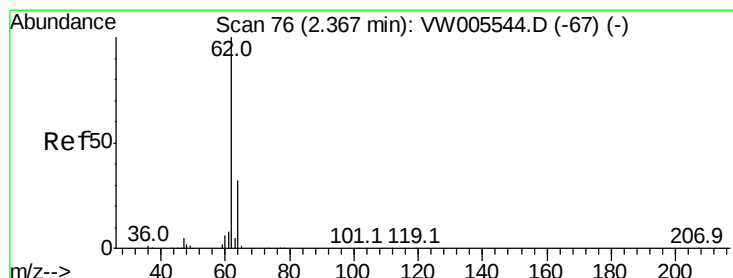
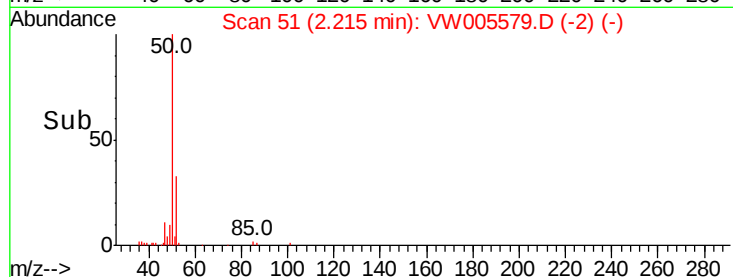
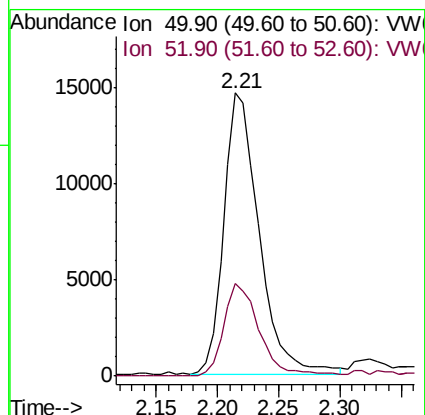
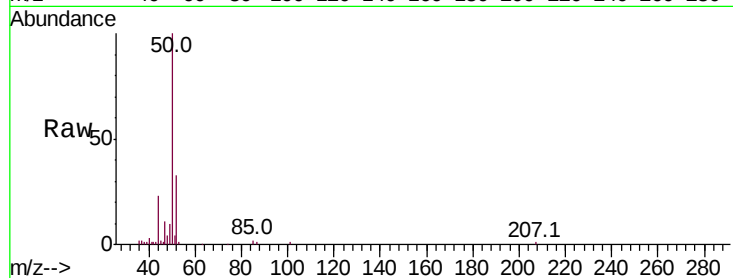
VW0924SBSD01

Tot Ion: 50 Resp: 29340

Ion Ratio Lower Upper

50 100

52 33.1 26.2 39.4



#4

Vinyl Chloride

Concen: 20.364 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW005579.D

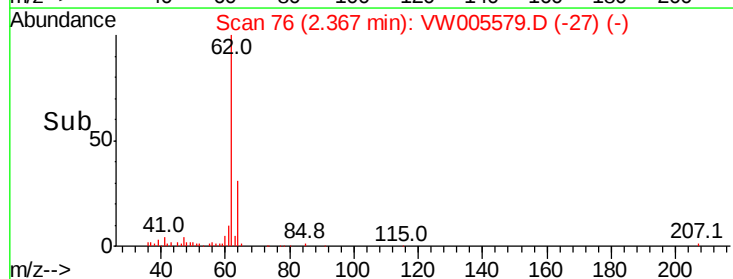
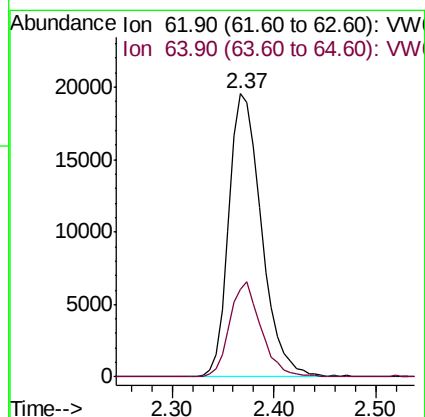
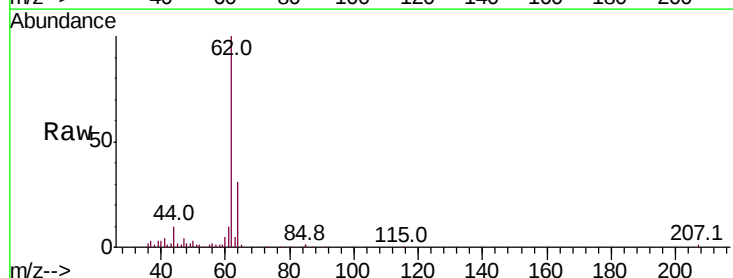
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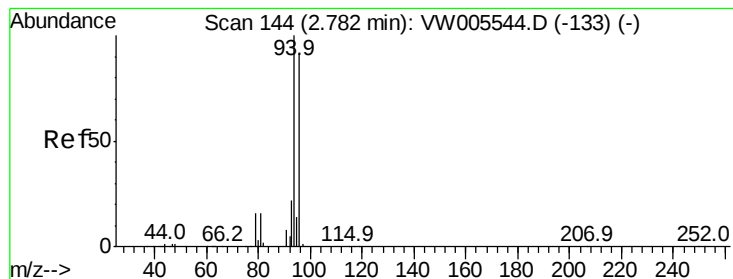
Tgt Ion: 62 Resp: 43481

Ion Ratio Lower Upper

62 100

64 31.1 25.7 38.5





#5

Bromomethane

Concen: 19.945 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Instrument :

MSVOA_W

ClientSampleId :

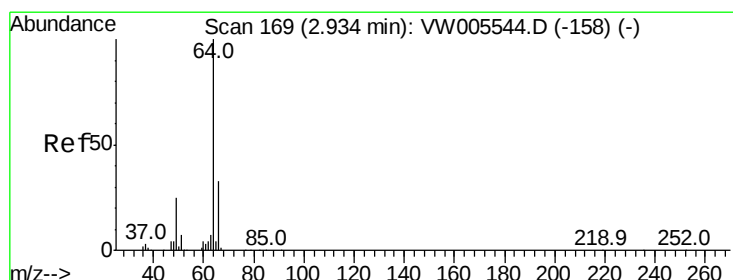
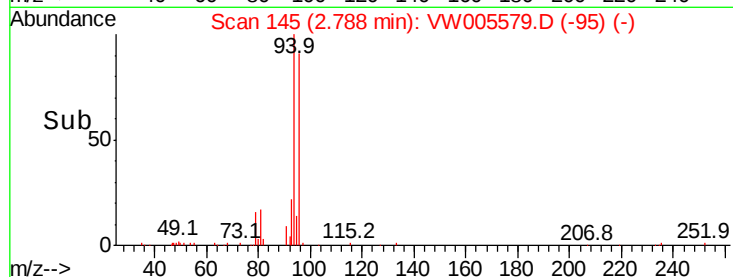
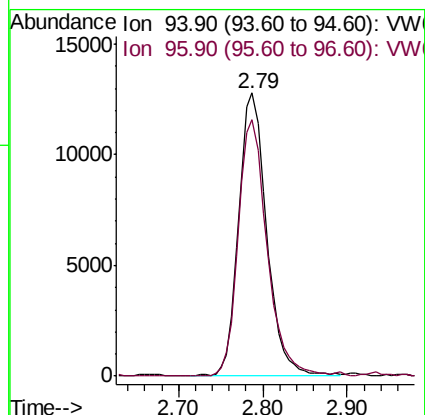
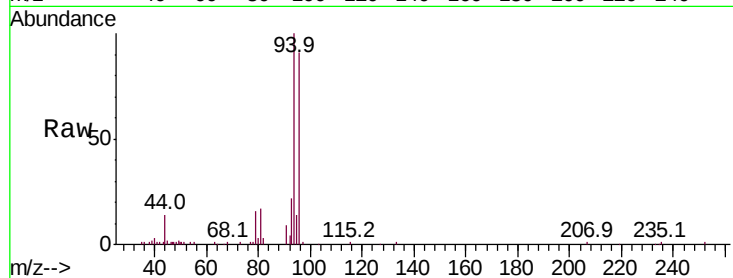
VW0924SBSD01

Tot Ion: 94 Resp: 28780

Ion Ratio Lower Upper

94 100

96 90.8 73.1 109.7



#6

Chloroethane

Concen: 19.075 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW005579.D

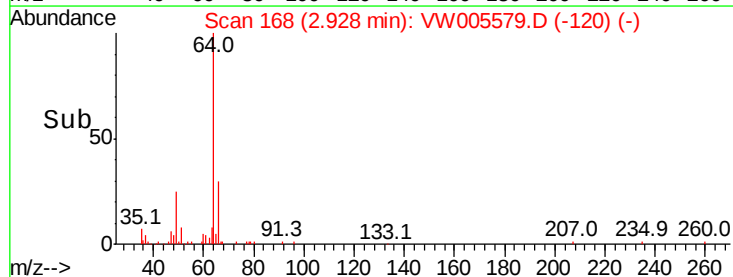
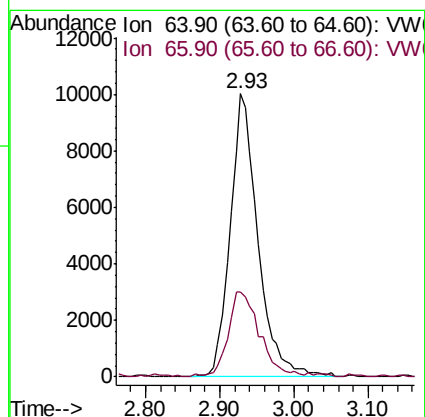
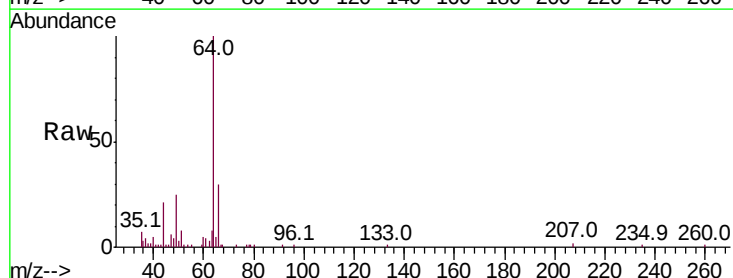
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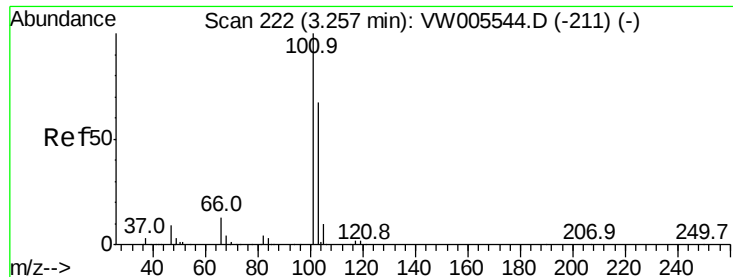
Tgt Ion: 64 Resp: 26135

Ion Ratio Lower Upper

64 100

66 29.9 26.0 39.0



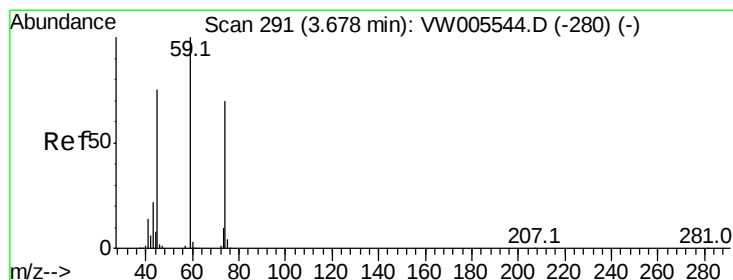
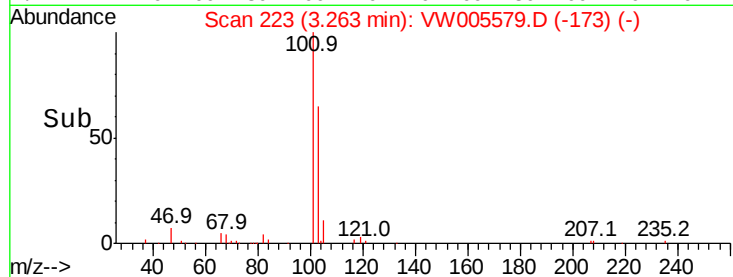
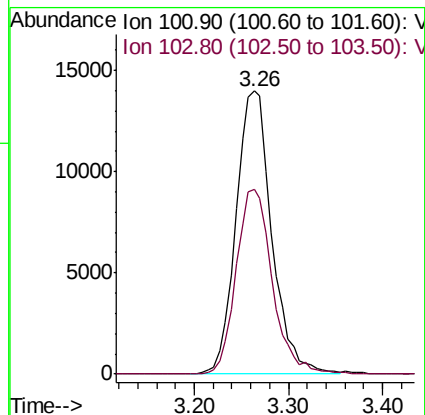
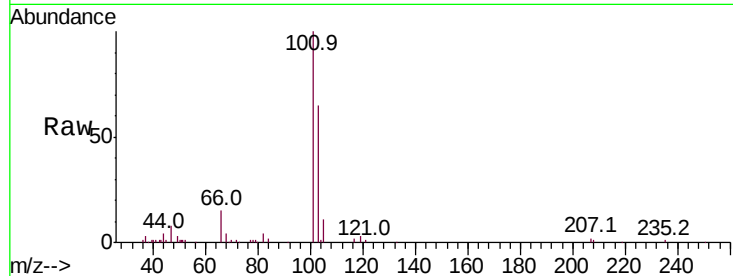


#7

Trichlorofluoromethane
 Concen: 22.148 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.01 min
 Lab File: VW005579.D
 Acq: 24 Sep 2018 12:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0924SBSD01

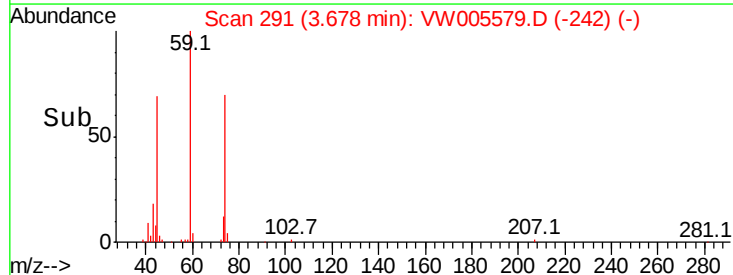
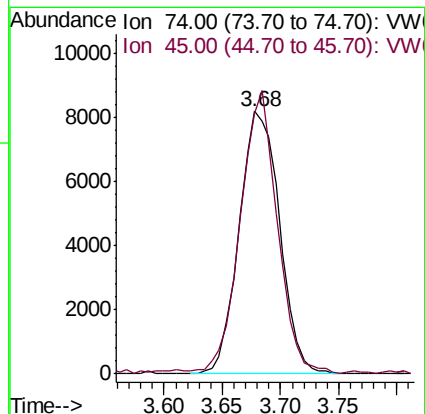
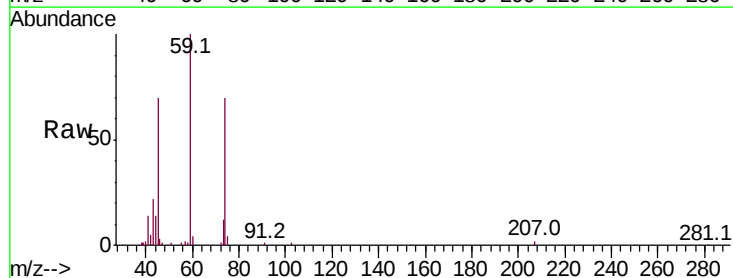
Tot Ion:101 Resp: 36987
 Ion Ratio Lower Upper
 101 100
 103 65.2 53.2 79.8

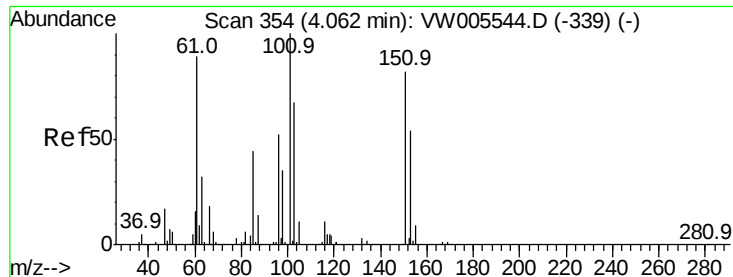


#8

Diethyl Ether
 Concen: 18.252 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW005579.D
 Acq: 24 Sep 2018 12:47

Tgt Ion: 74 Resp: 19911
 Ion Ratio Lower Upper
 74 100
 45 100.5 51.7 155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.107 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBSD01

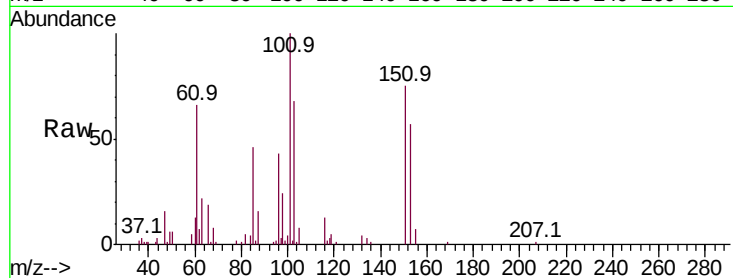
Tot Ion:101 Resp: 42506

Ion Ratio Lower Upper

101 100

85 45.7 36.4 54.6

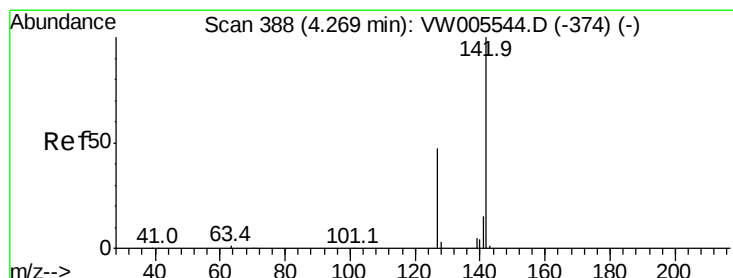
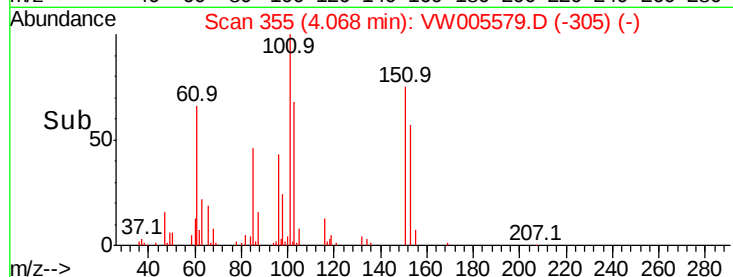
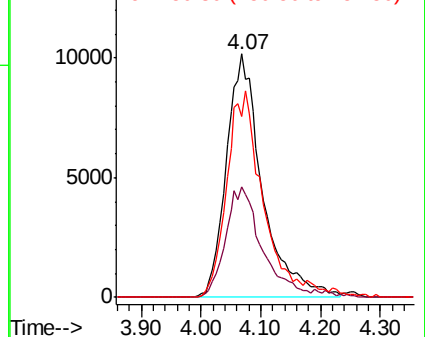
151 82.7 65.8 98.6



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: 19.689 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

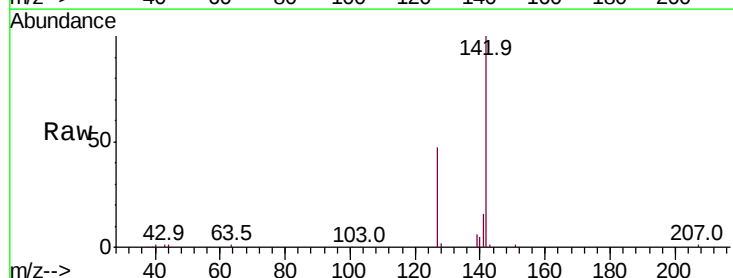
Tgt Ion:142 Resp: 64008

Ion Ratio Lower Upper

142 100

127 47.7 37.4 56.0

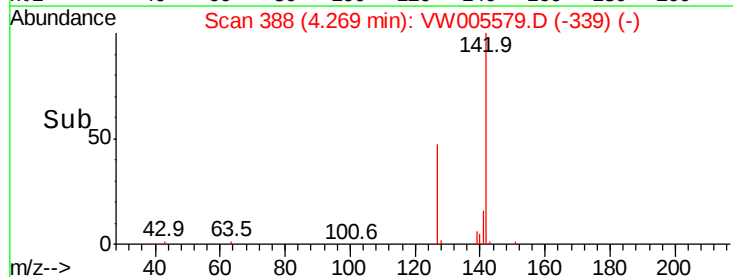
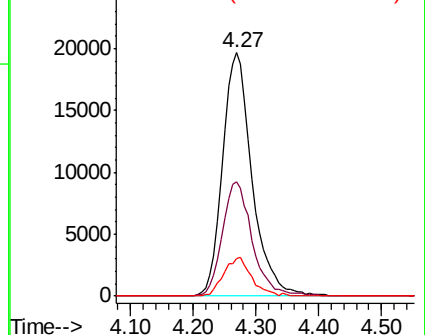
141 15.0 11.9 17.9

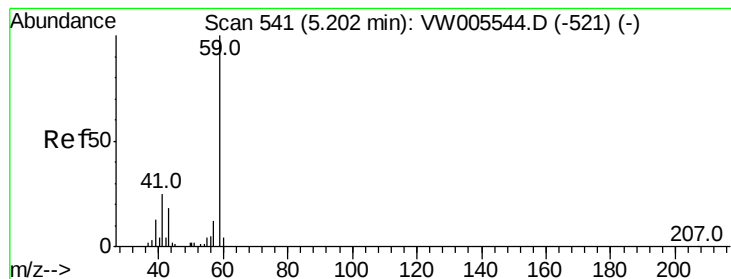


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



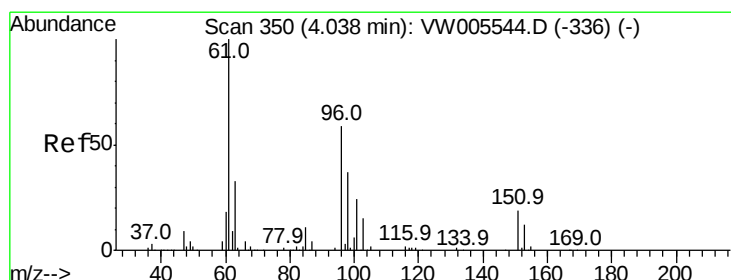
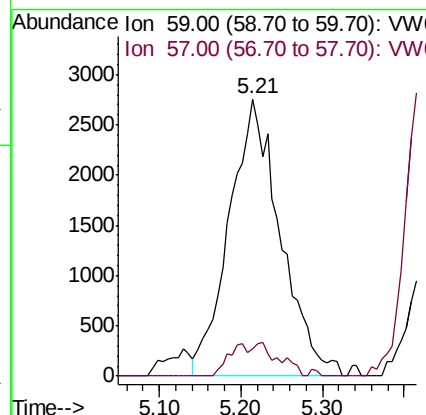
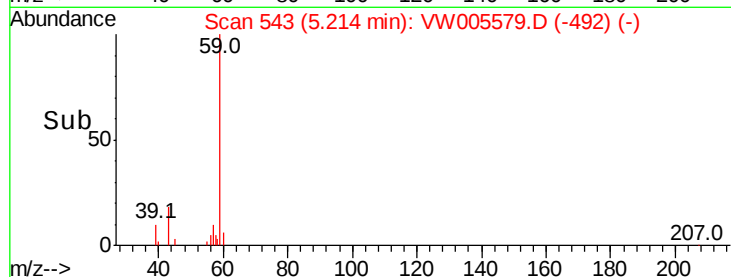
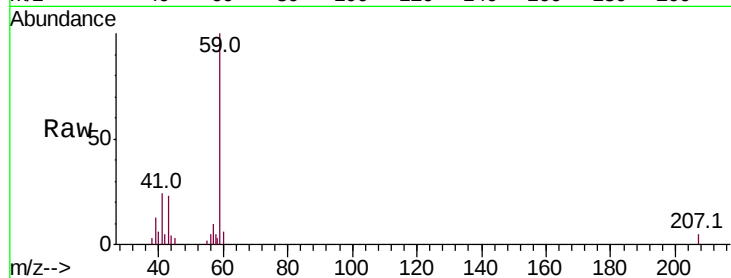


#11

Tert butyl alcohol
 Concen: 87.372 ug/l
 RT: 5.21 min Scan# 543
 Delta R.T. 0.01 min
 Lab File: VW005579.D
 Acq: 24 Sep 2018 12:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0924SBSD01

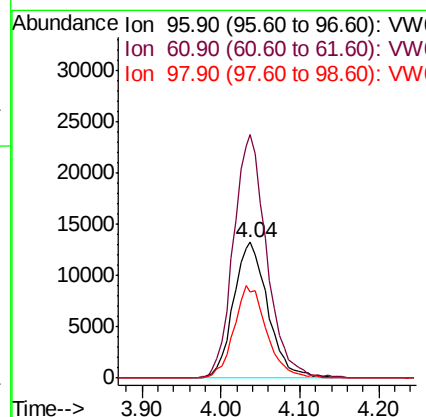
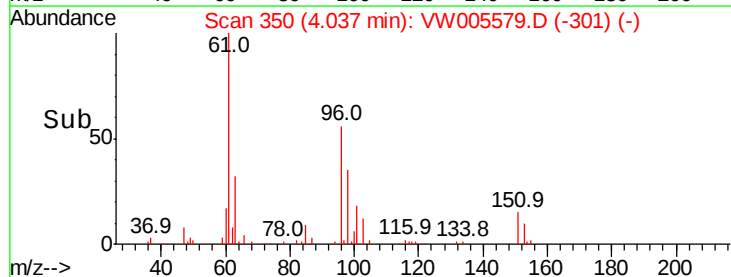
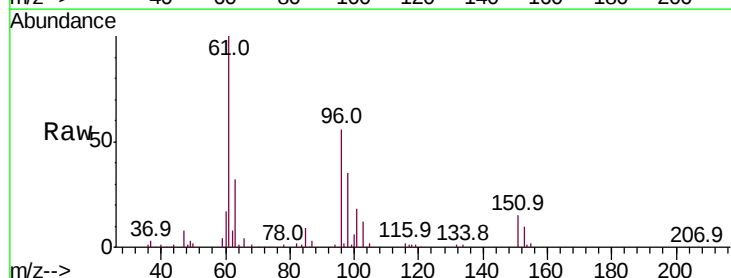
Tot Ion: 59 Resp: 12018
 Ion Ratio Lower Upper
 59 100
 57 4.5 8.3 12.5#

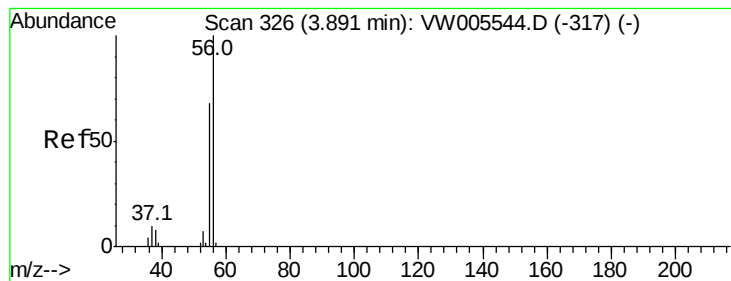


#12

1,1-Dichloroethene
 Concen: 19.887 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW005579.D
 Acq: 24 Sep 2018 12:47

Tgt Ion: 96 Resp: 40247
 Ion Ratio Lower Upper
 96 100
 61 179.5 135.0 202.6
 98 63.3 50.6 76.0





#13

Acrolein

Concen: 90.960 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Instrument :

MSVOA_W

ClientSampleId :

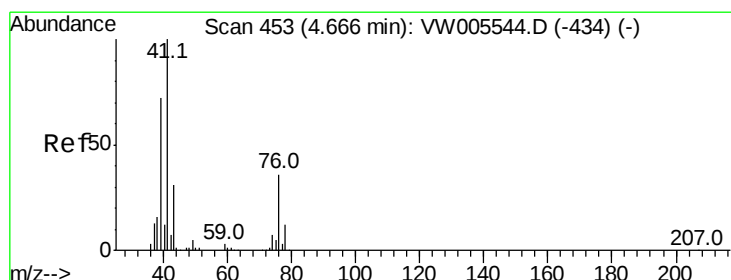
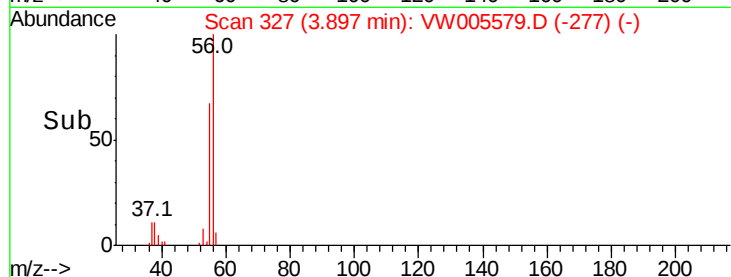
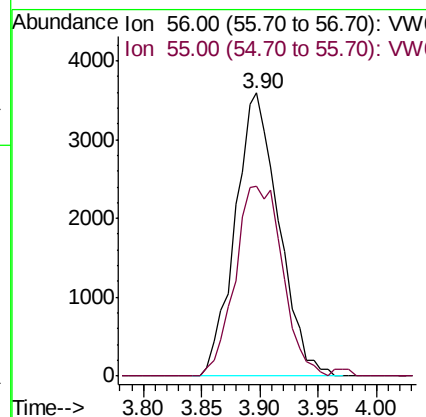
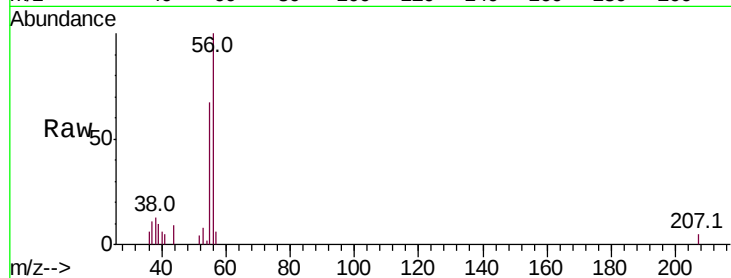
VW0924SBSD01

Tot Ion: 56 Resp: 9353

Ion Ratio Lower Upper

56 100

55 72.7 57.8 86.8



#14

Allyl chloride

Concen: 18.412 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

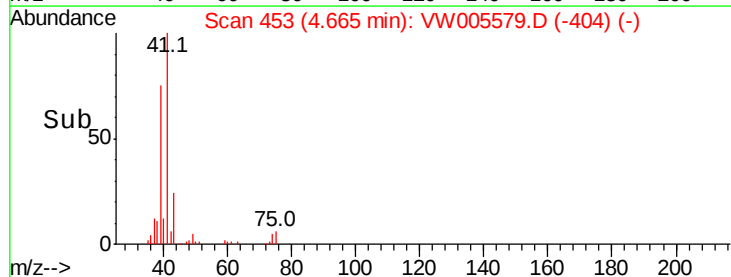
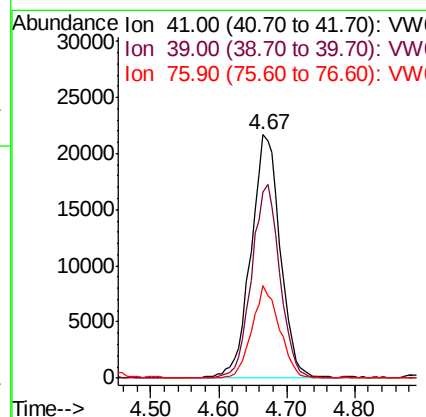
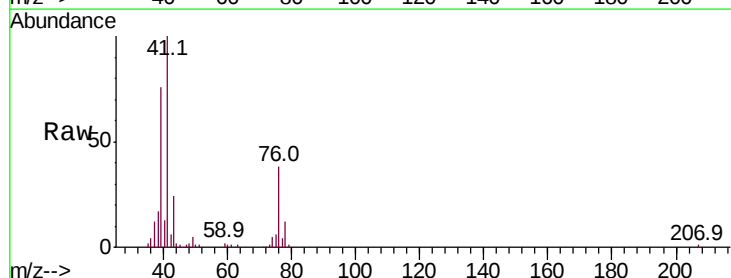
Tgt Ion: 41 Resp: 65031

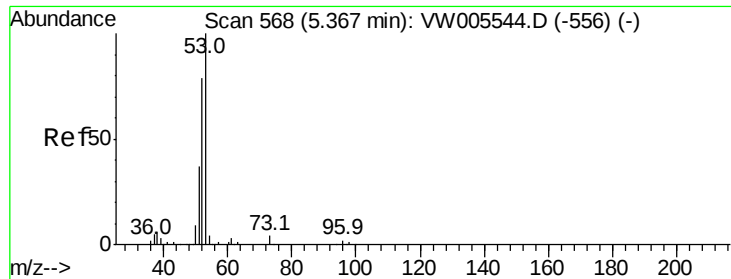
Ion Ratio Lower Upper

41 100

39 76.8 59.6 89.4

76 35.4 27.7 41.5





#15

Acrylonitrile

Concen: 86.253 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Instrument :

MSVOA_W

ClientSampled :

VW0924SBSD01

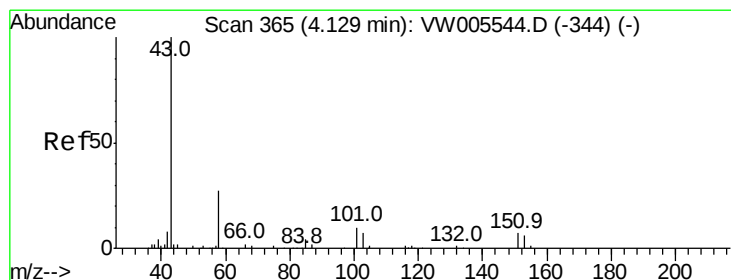
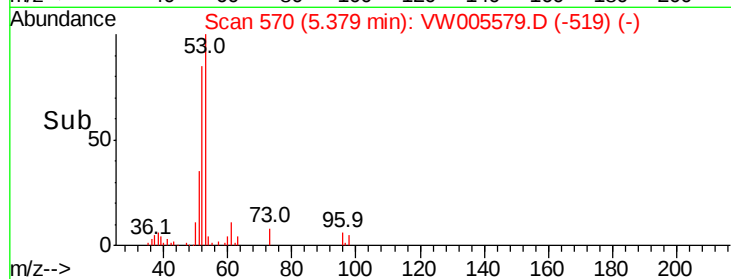
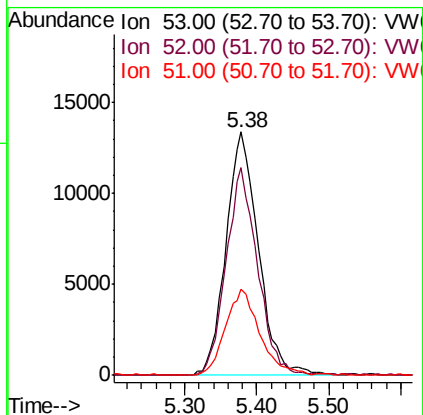
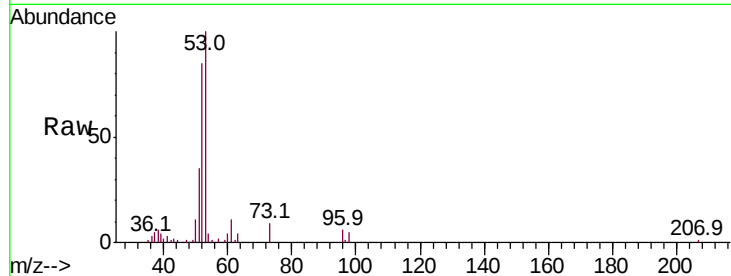
Tot Ion: 53 Resp: 41776

Ion Ratio Lower Upper

53 100

52 83.0 66.5 99.7

51 37.4 30.6 46.0



#16

Acetone

Concen: 100.608 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW005579.D

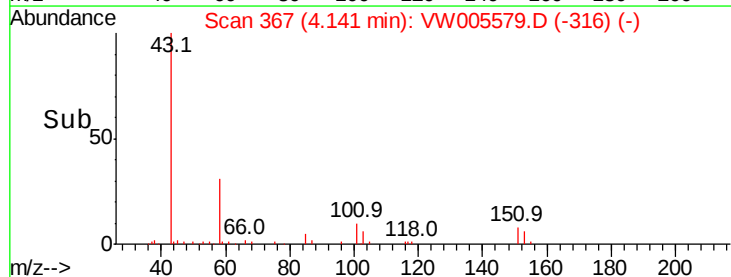
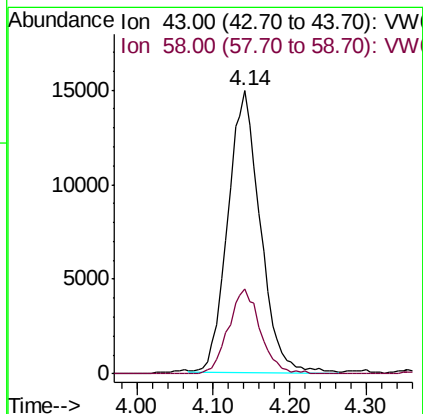
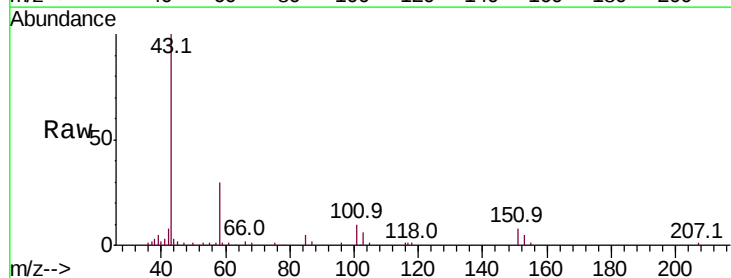
Acq: 24 Sep 2018 12:47

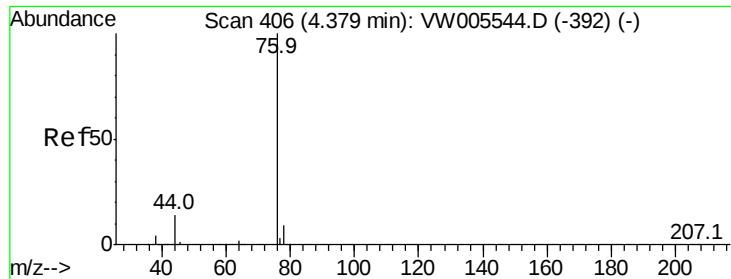
Tgt Ion: 43 Resp: 43725

Ion Ratio Lower Upper

43 100

58 30.4 21.8 32.8

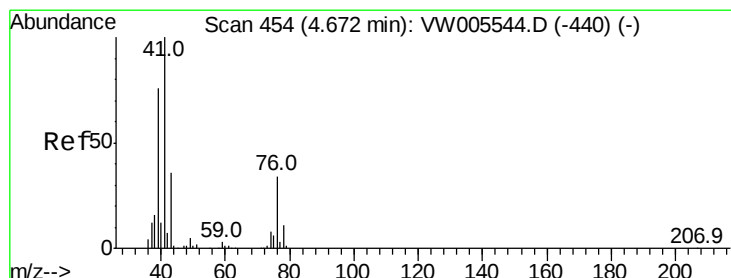
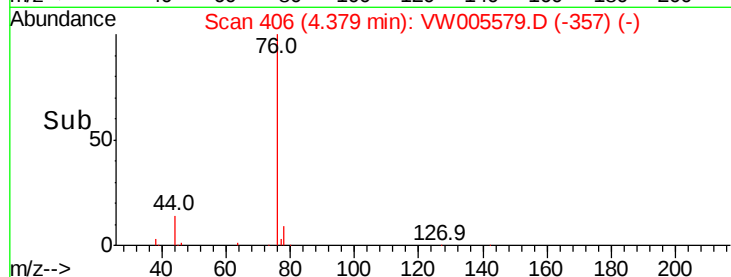
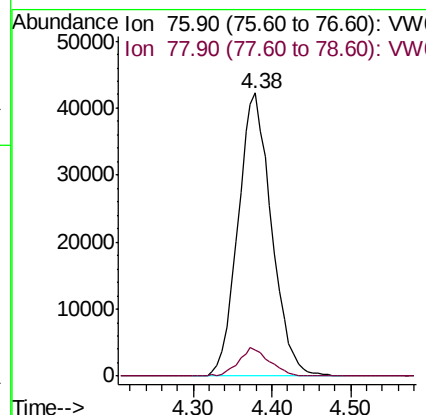
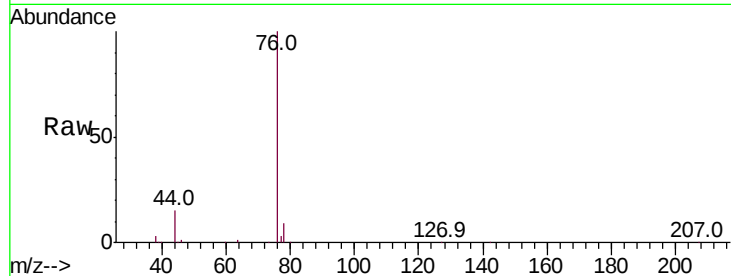




#17
Carbon Disulfide
Concen: 19.713 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW005579.D
Acq: 24 Sep 2018 12:47

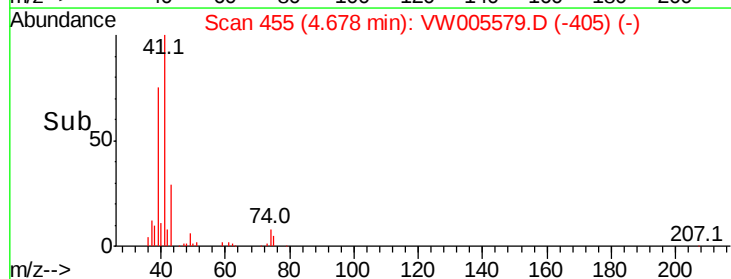
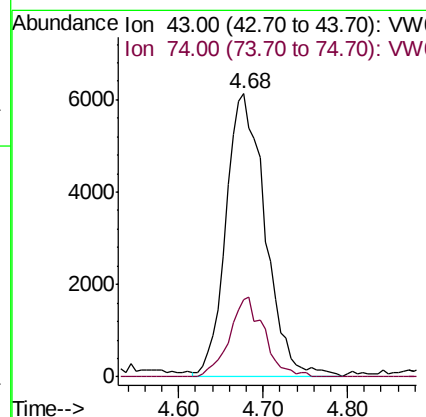
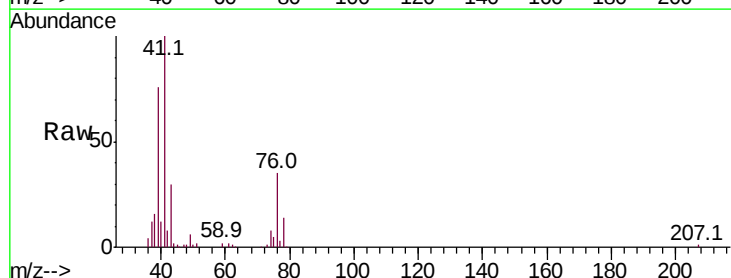
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBSD01

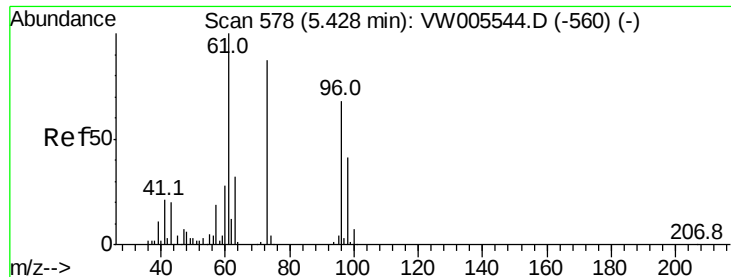
Tot Ion: 76 Resp: 124653
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0



#18
Methyl Acetate
Concen: 15.729 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW005579.D
Acq: 24 Sep 2018 12:47

Tgt Ion: 43 Resp: 19516
Ion Ratio Lower Upper
43 100
74 24.9 19.2 28.8

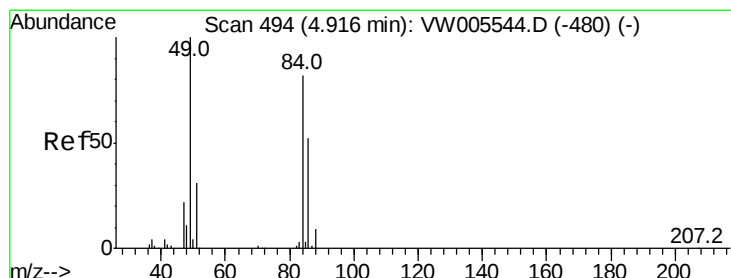
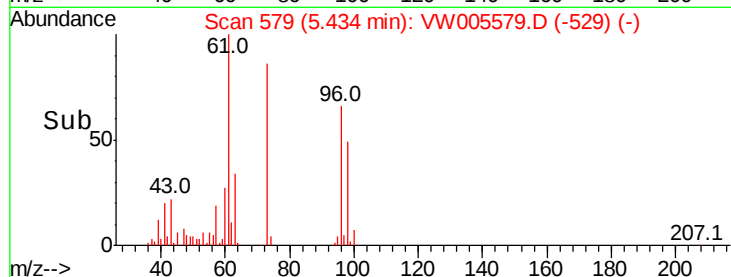
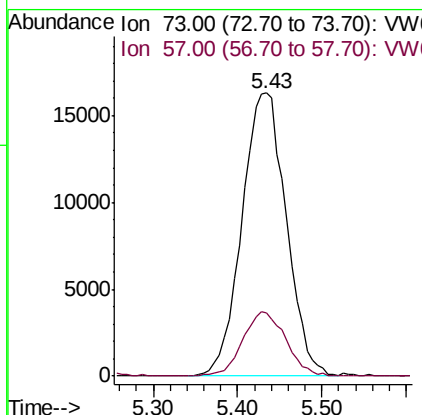
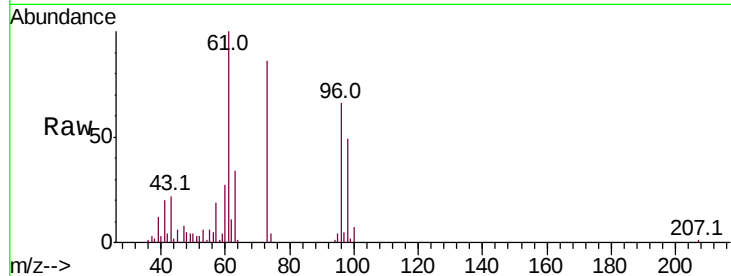




#19
Methvl tert-butvl Ether
Concen: 18.673 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW005579.D
Acq: 24 Sep 2018 12:47

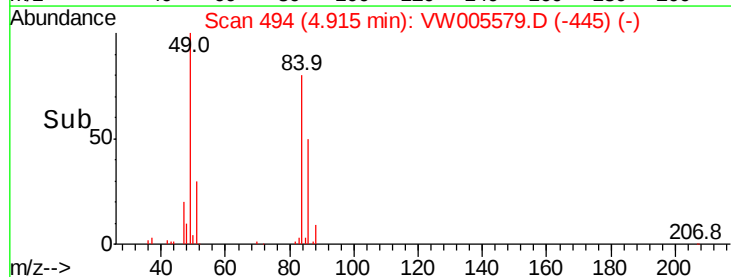
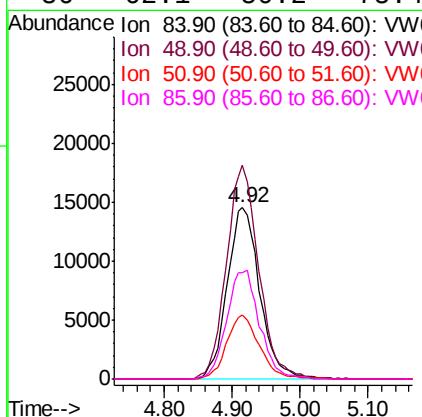
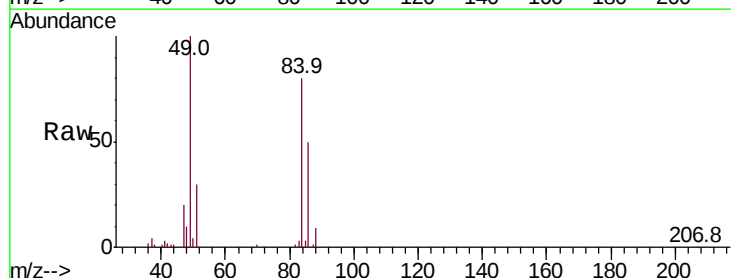
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBSD01

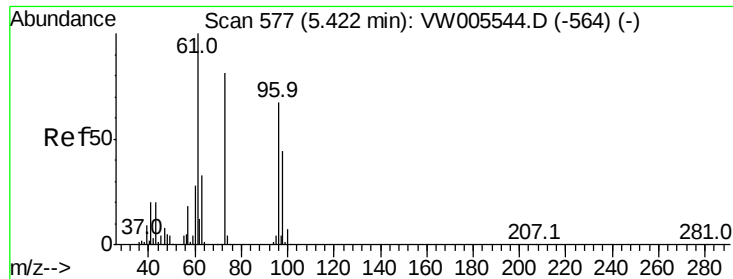
Tot Ion: 73 Resp: 58331
Ion Ratio Lower Upper
73 100
57 22.2 17.6 26.4



#20
Methylene Chloride
Concen: 19.399 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW005579.D
Acq: 24 Sep 2018 12:47

Tgt Ion: 84 Resp: 48304
Ion Ratio Lower Upper
84 100
49 124.6 97.0 145.6
51 37.3 30.2 45.2
86 62.1 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 19.072 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBSD01

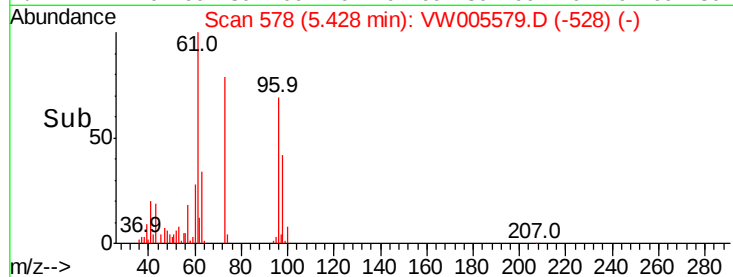
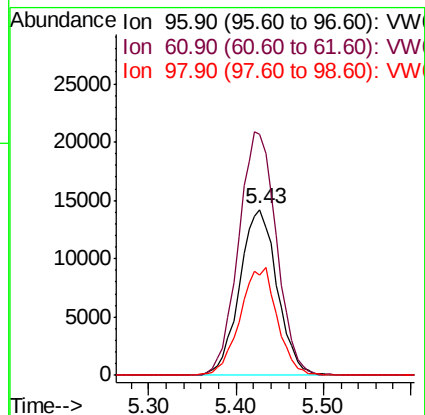
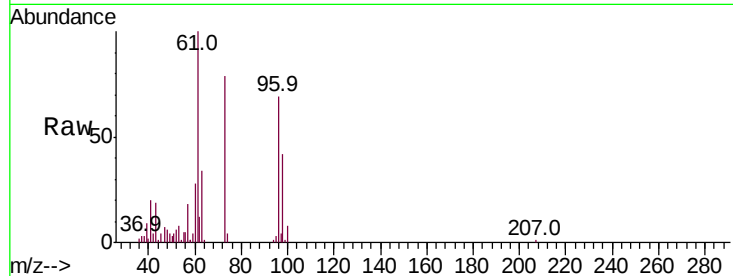
Tot Ion: 96 Resp: 42275

Ion Ratio Lower Upper

96 100

61 145.6 118.9 178.3

98 60.6 52.1 78.1



#22

Diisopropyl ether

Concen: 18.268 ug/l

RT: 6.32 min Scan# 724

Delta R.T. -0.00 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Tgt Ion: 45 Resp: 125255

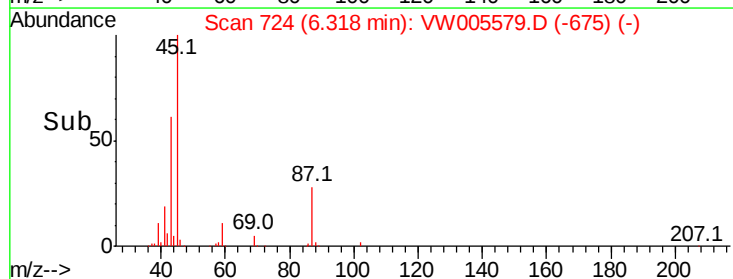
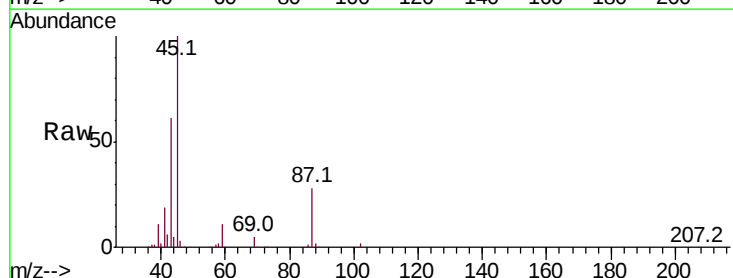
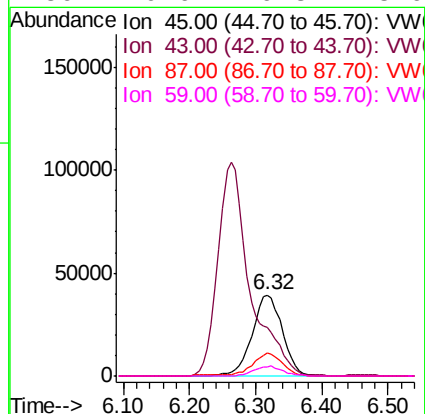
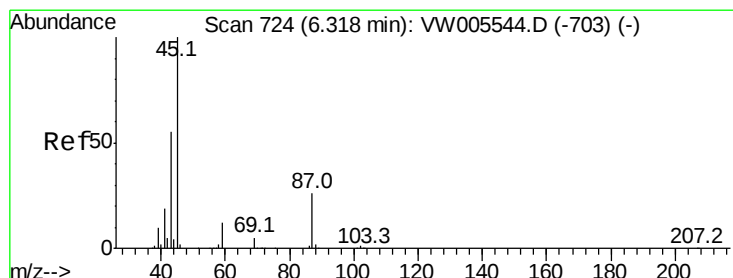
Ion Ratio Lower Upper

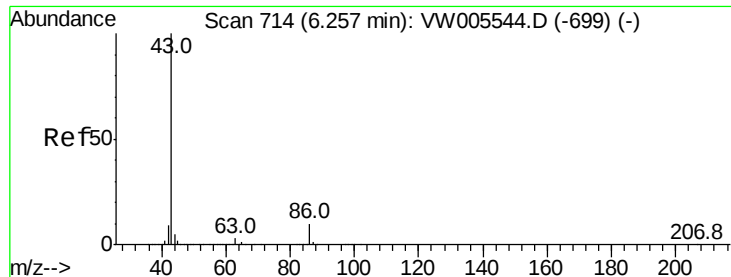
45 100

43 60.0 44.2 66.4

87 28.1 21.4 32.2

59 10.6 9.3 13.9





#23

Vinyl Acetate

Concen: 89.468 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.01 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Instrument :

MSVOA_W

ClientSampleId :

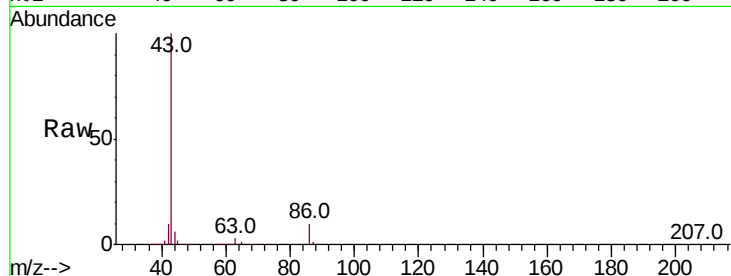
VW0924SBSD01

Tot Ion: 43 Resp: 350614

Ion Ratio Lower Upper

43 100

86 10.3 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

120000

100000

80000

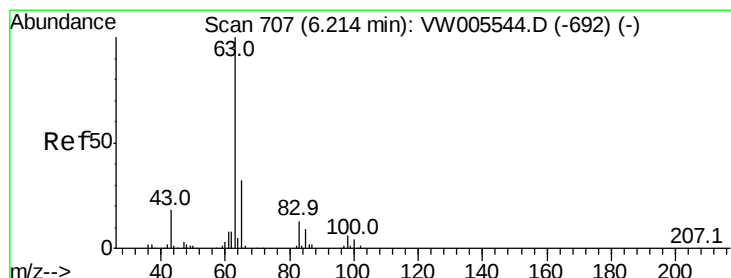
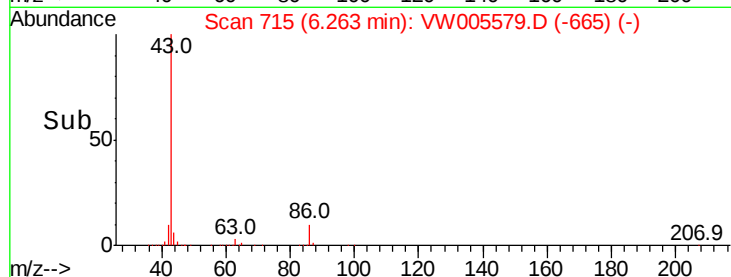
60000

40000

20000

0

Time--> 6.10 6.20 6.30 6.40



#24

1,1-Dichloroethane

Concen: 18.937 ug/l

RT: 6.23 min Scan# 709

Delta R.T. 0.01 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

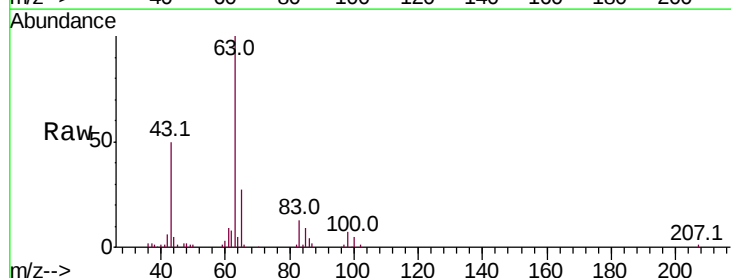
Tgt Ion: 63 Resp: 80221

Ion Ratio Lower Upper

63 100

98 6.6 2.9 8.8

100 4.6 2.1 6.2



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

6.23

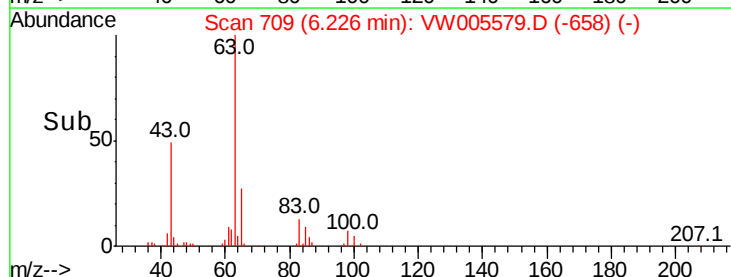
30000

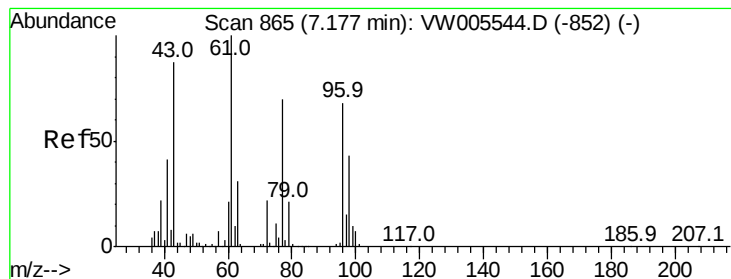
20000

10000

0

Time--> 6.10 6.20 6.30





#25

2-Butanone

Concen: 83.263 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Instrument :

MSVOA_W

ClientSampled :

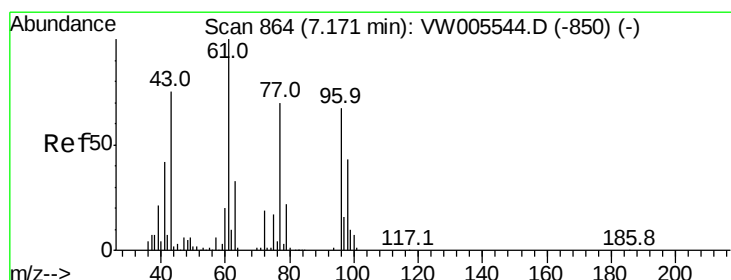
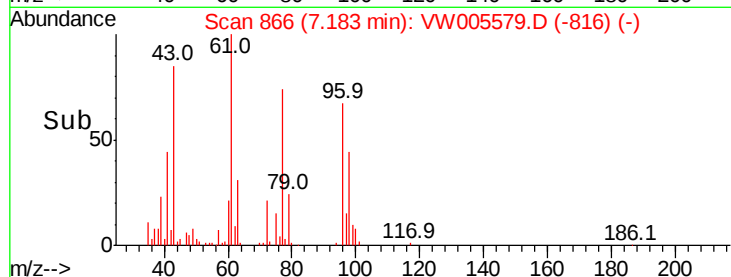
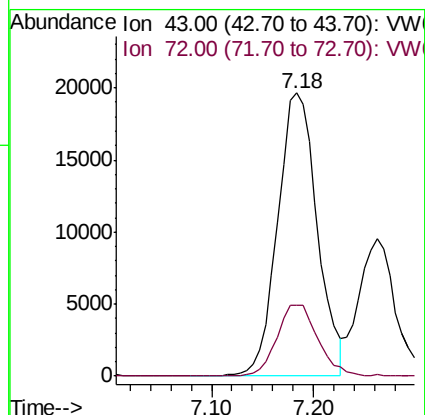
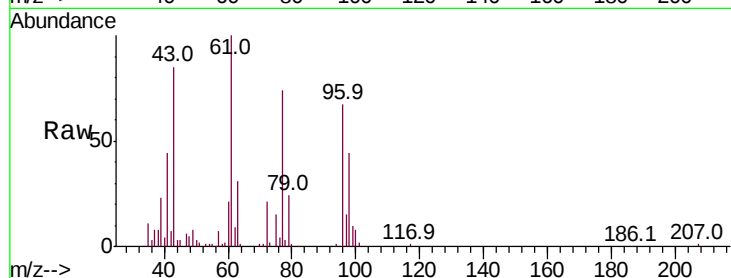
VW0924SBSD01

Tot Ion: 43 Resp: 52939

Ion Ratio Lower Upper

43 100

72 25.0 19.9 29.9



#26

2,2-Dichloropropane

Concen: 20.176 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW005579.D

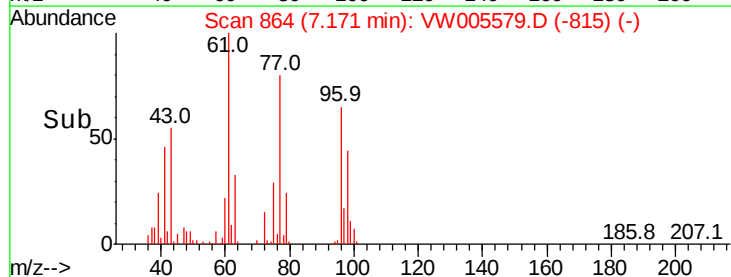
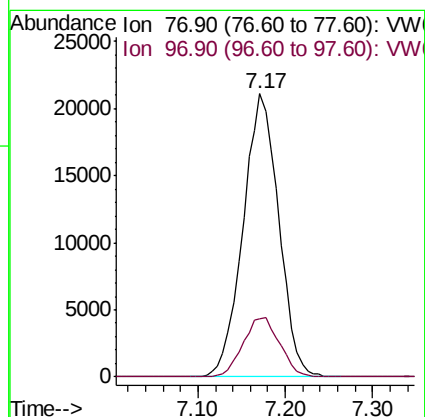
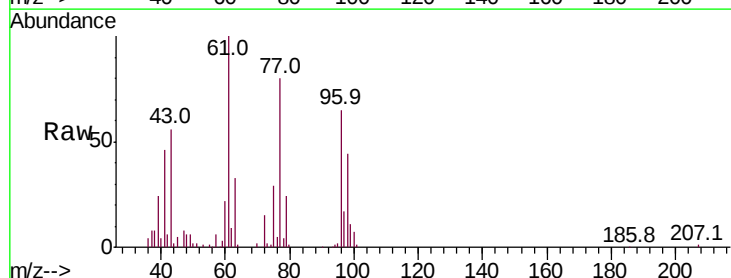
Acq: 24 Sep 2018 12:47

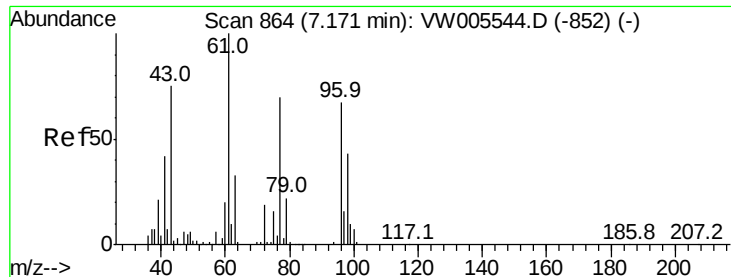
Tgt Ion: 77 Resp: 59668

Ion Ratio Lower Upper

77 100

97 21.6 11.0 33.0



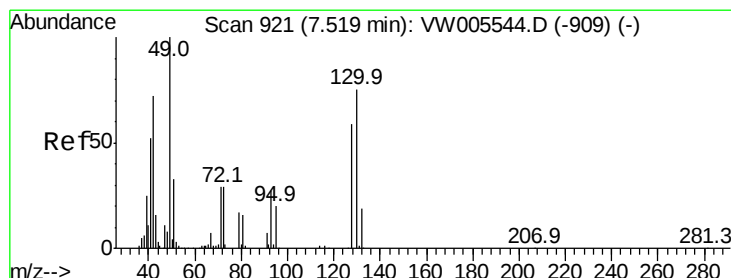
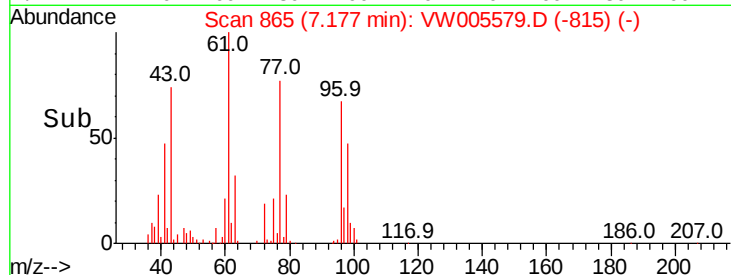
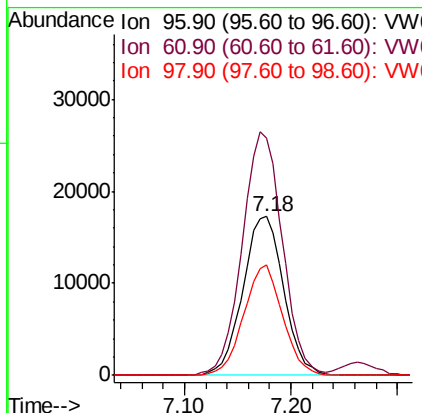
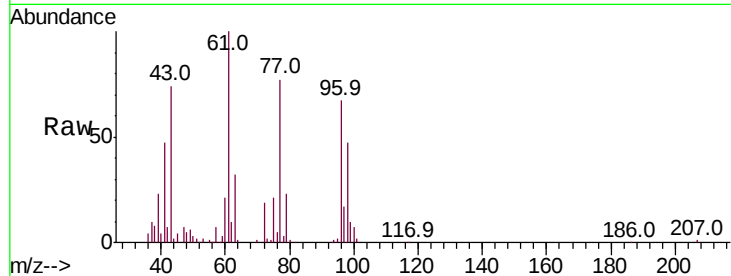


#27

cis-1,2-Dichloroethene
Concen: 18.996 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW005579.D
Acq: 24 Sep 2018 12:47

Instrument :
MSVOA_W
ClientSampled :
VW0924SBSD01

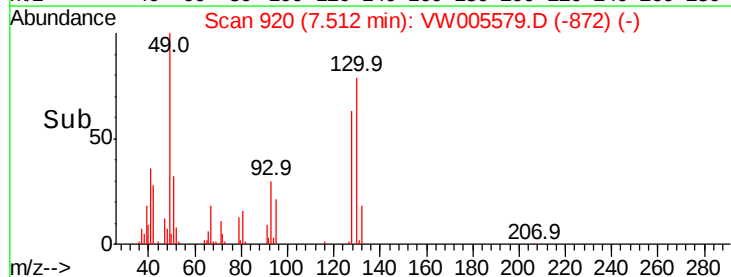
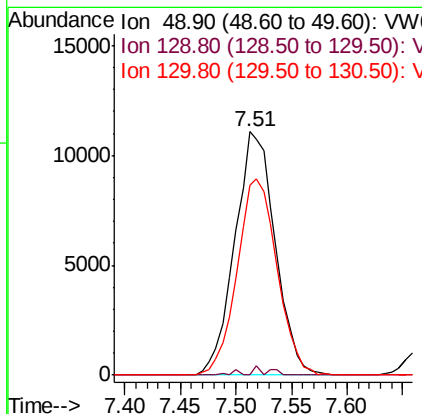
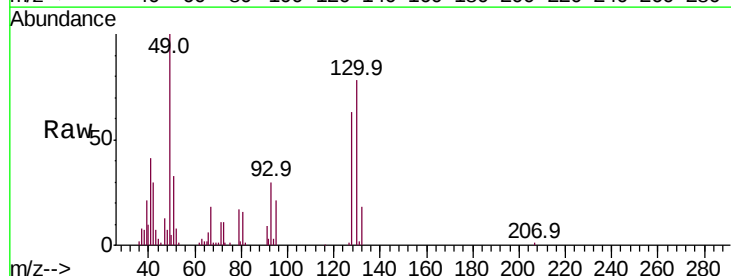
Tot Ion: 96 Resp: 46443
Ion Ratio Lower Upper
96 100
61 150.6 0.0 303.4
98 66.0 0.0 127.2

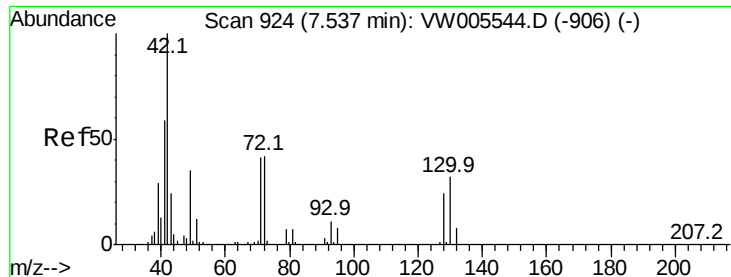


#28

Bromochloromethane
Concen: 16.610 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW005579.D
Acq: 24 Sep 2018 12:47

Tgt Ion: 49 Resp: 27871
Ion Ratio Lower Upper
49 100
129 0.6 0.0 1.4
130 80.0 61.3 91.9





#29

Tetrahydrofuran

Concen: 82.478 ug/l

RT: 7.54 min Scan# 924

Delta R.T. -0.00 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBSD01

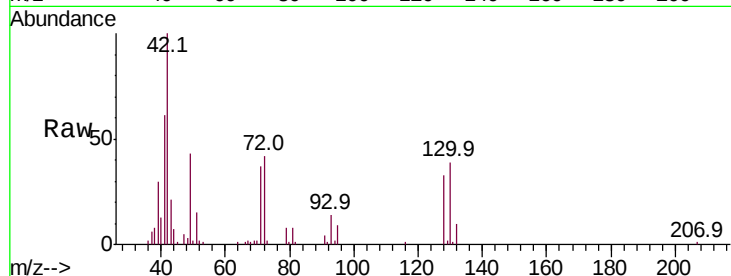
Tot Ion: 42 Resp: 32761

Ion Ratio Lower Upper

42 100

72 42.6 33.6 50.4

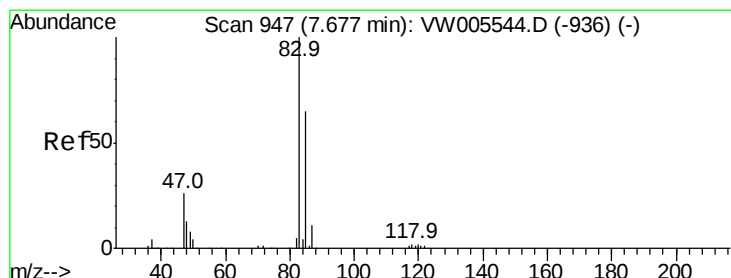
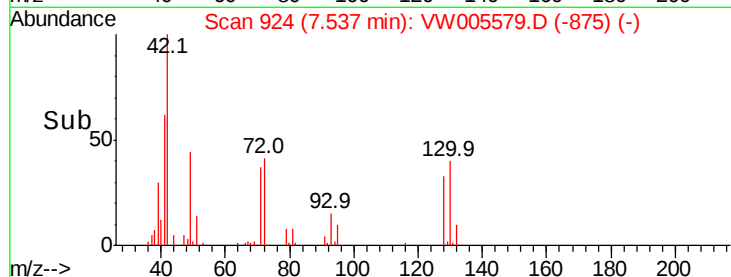
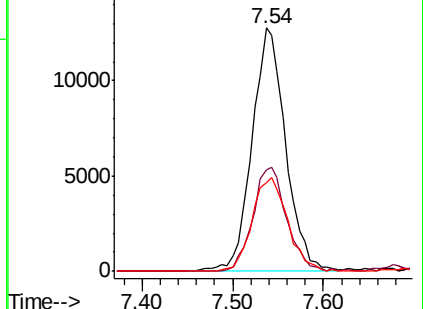
71 40.7 31.8 47.6



Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 19.118 ug/l

RT: 7.68 min Scan# 948

Delta R.T. 0.01 min

Lab File: VW005579.D

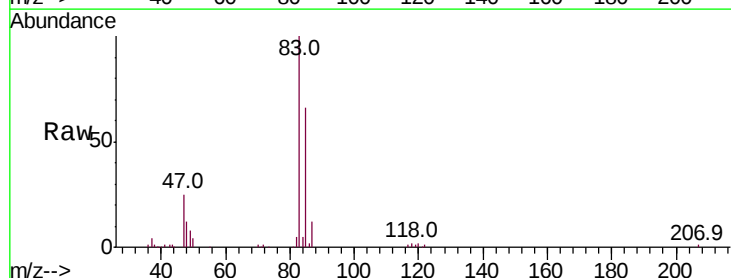
Acq: 24 Sep 2018 12:47

Tgt Ion: 83 Resp: 83612

Ion Ratio Lower Upper

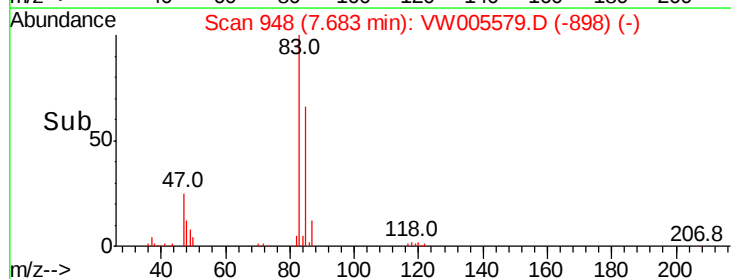
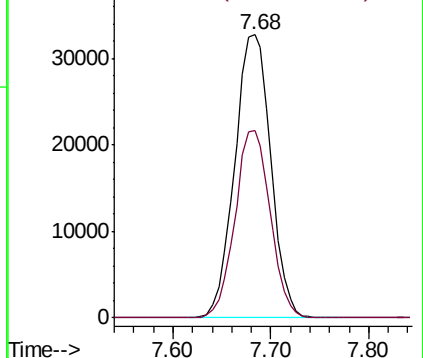
83 100

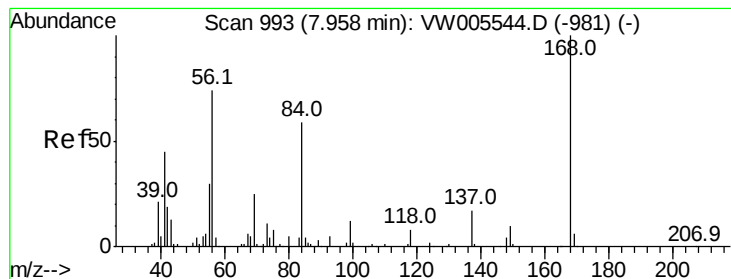
85 66.2 51.8 77.6



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 19.505 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBSD01

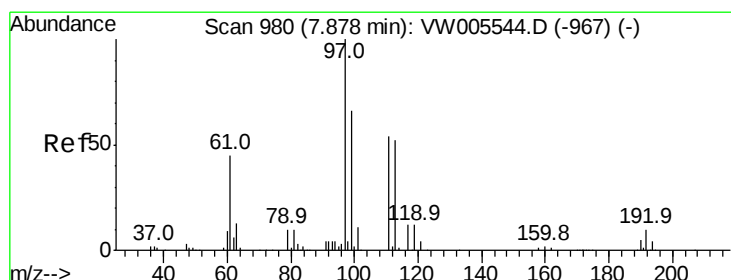
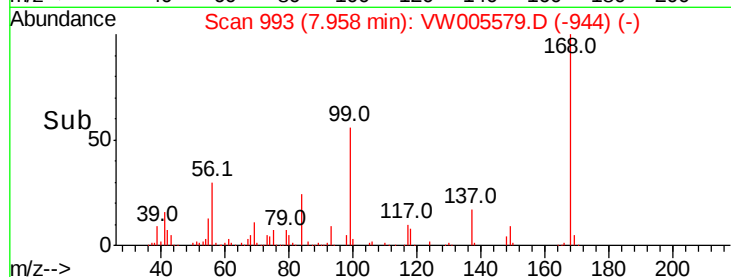
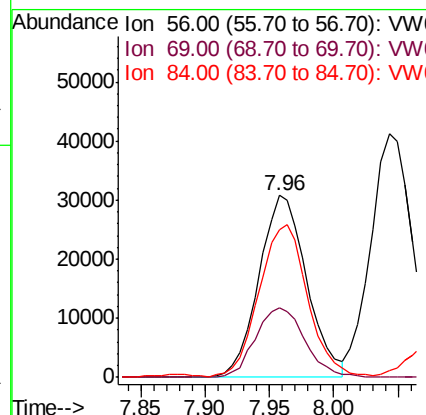
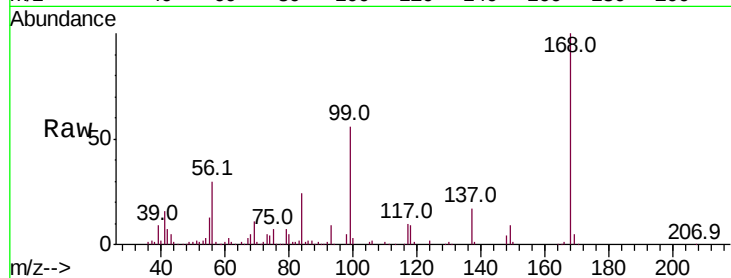
Tot Ion: 56 Resp: 79161

Ion Ratio Lower Upper

56 100

69 38.1 27.0 40.4

84 79.8 64.2 96.4



#32

1,1,1-Trichloroethane

Concen: 19.862 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

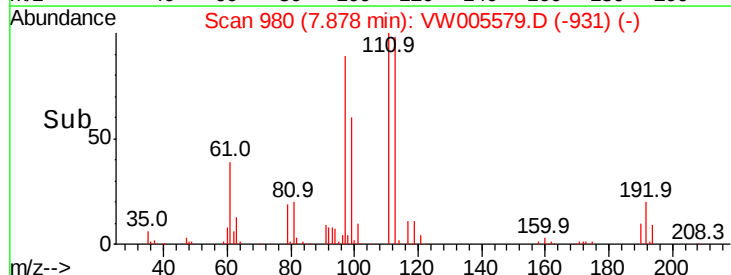
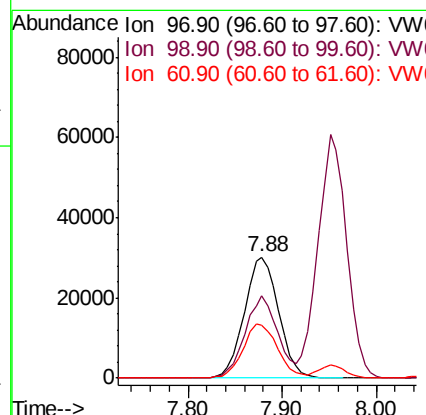
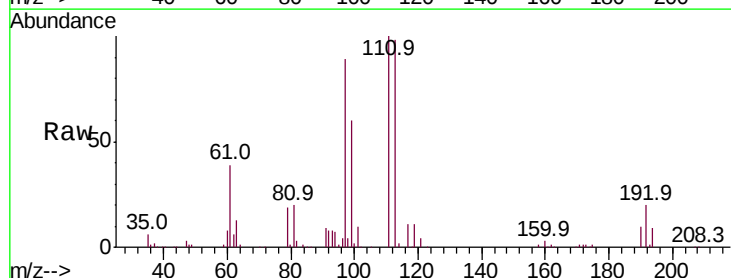
Tgt Ion: 97 Resp: 76736

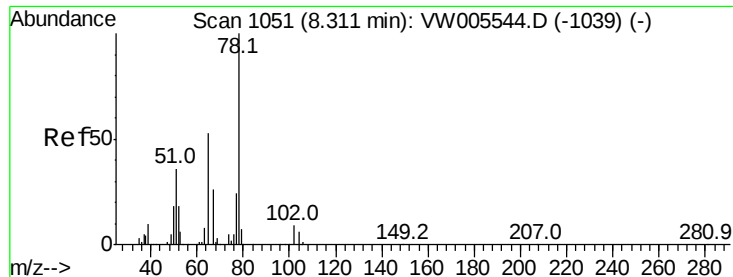
Ion Ratio Lower Upper

97 100

99 65.5 51.0 76.6

61 45.1 36.2 54.2





#33

1,2-Dichloroethane-d4

Concen: 47.208 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Instrument :

MSVOA_W

ClientSampleId :

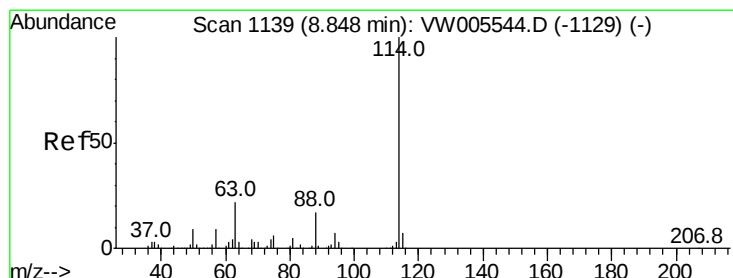
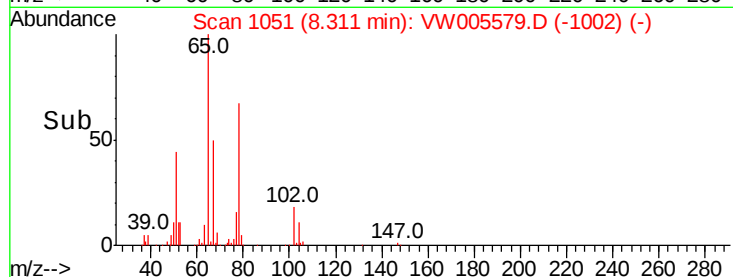
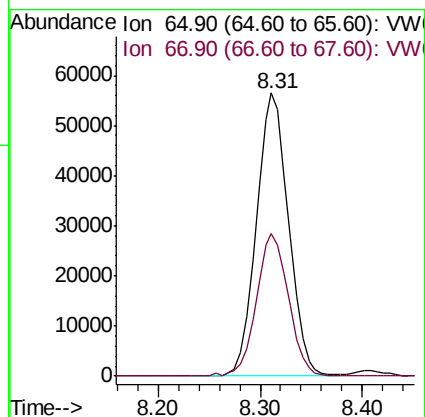
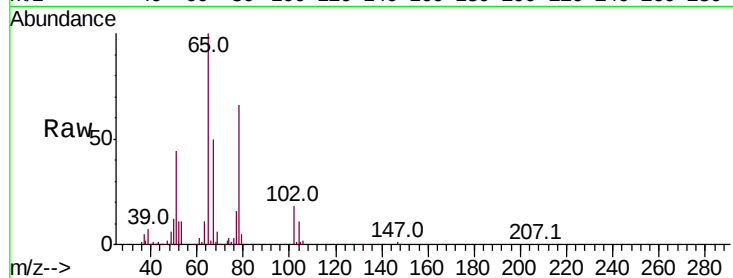
VW0924SBSD01

Tot Ion: 65 Resp: 123583

Ion Ratio Lower Upper

65 100

67 50.3 0.0 100.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

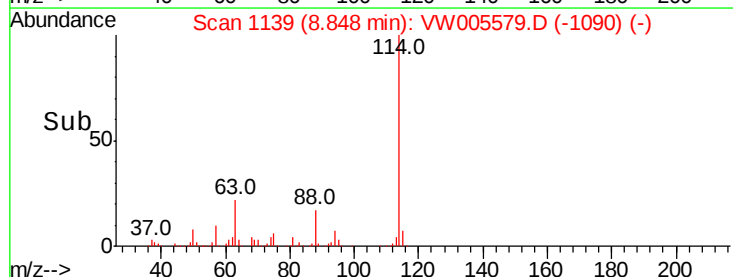
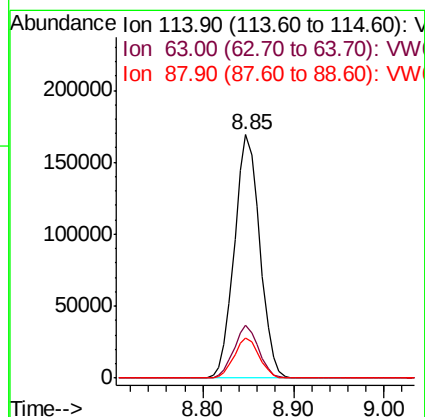
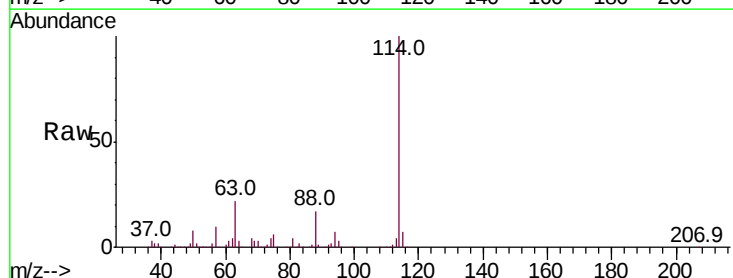
Tgt Ion: 114 Resp: 328389

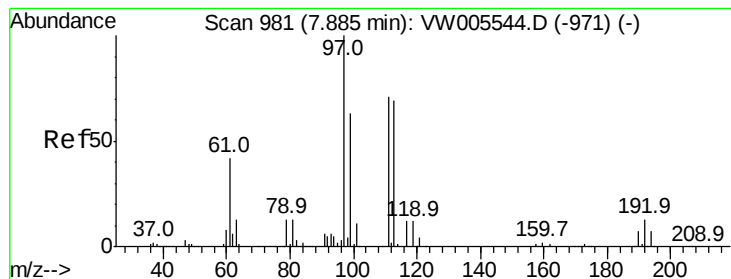
Ion Ratio Lower Upper

114 100

63 21.6 0.0 43.0

88 16.7 0.0 33.0





#35

Dibromofluoromethane

Concen: 50.573 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBSD01

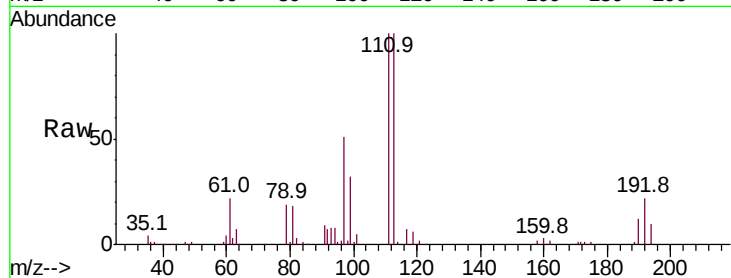
Tot Ion:113 Resp: 104438

Ion Ratio Lower Upper

113 100

111 101.6 82.6 123.8

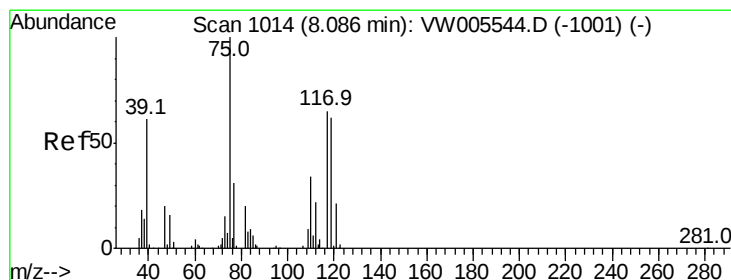
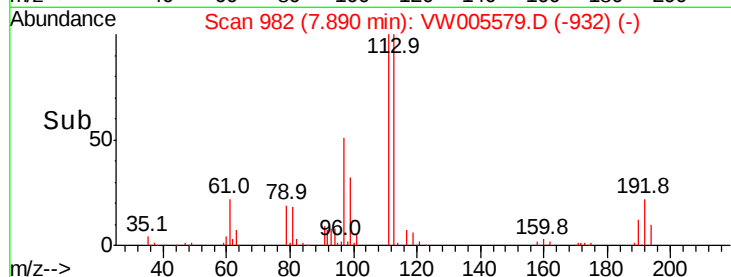
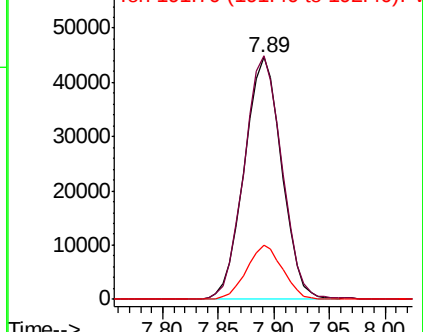
192 21.5 17.0 25.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.469 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

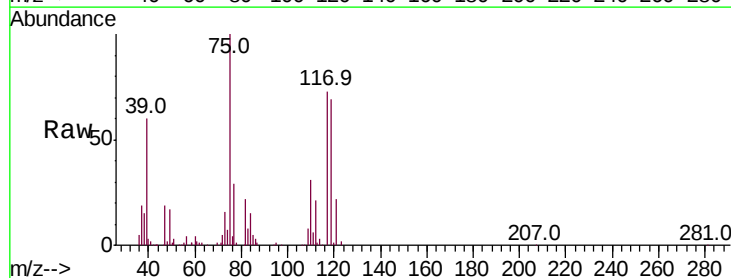
Tgt Ion: 75 Resp: 67664

Ion Ratio Lower Upper

75 100

110 33.4 17.0 50.9

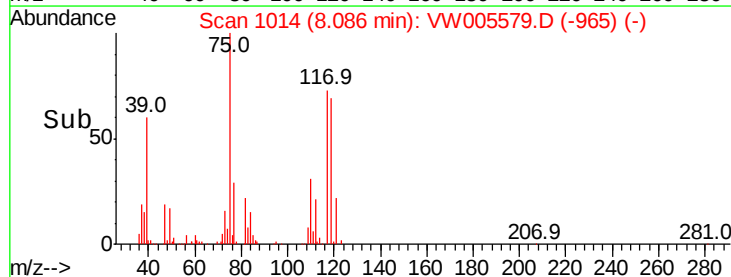
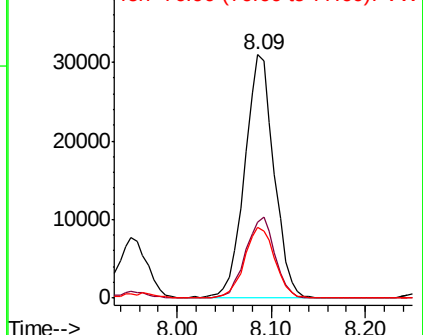
77 30.3 24.8 37.2

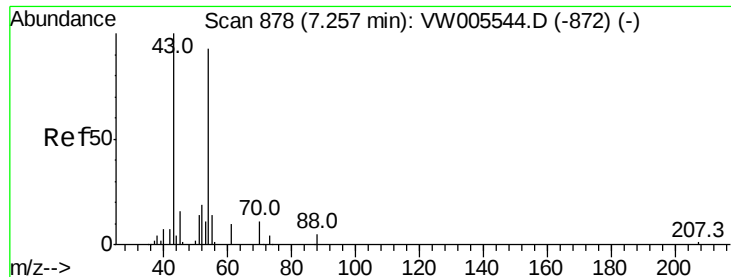


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

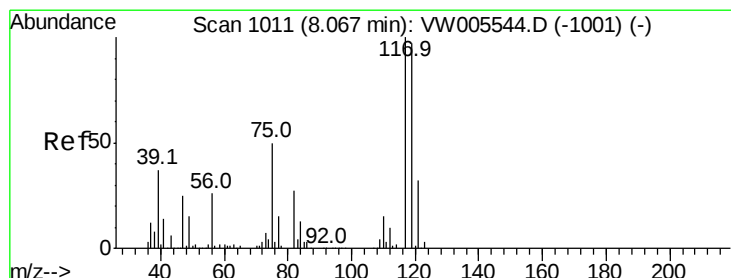
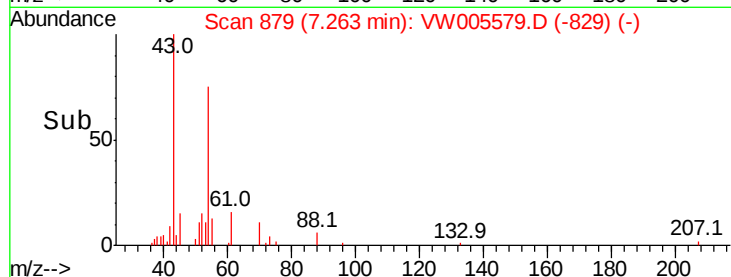
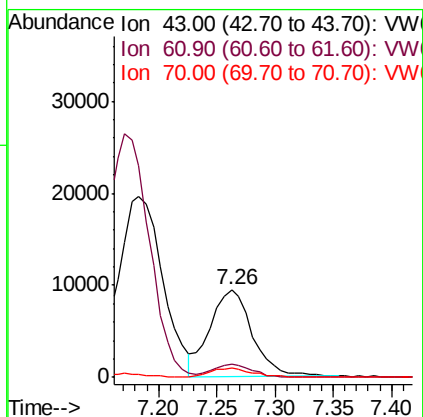
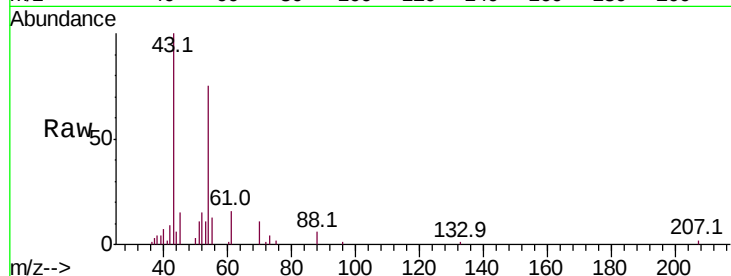




#37
Ethyl Acetate
Concen: 17.096 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.01 min
Lab File: VW005579.D
Acq: 24 Sep 2018 12:47

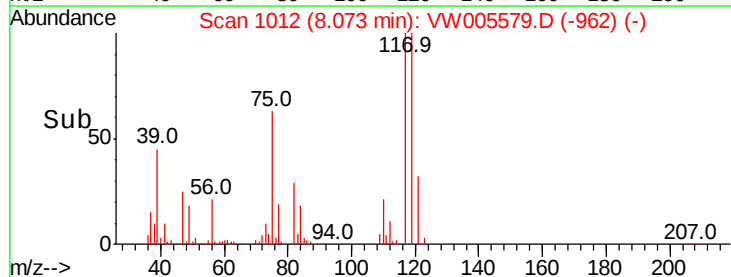
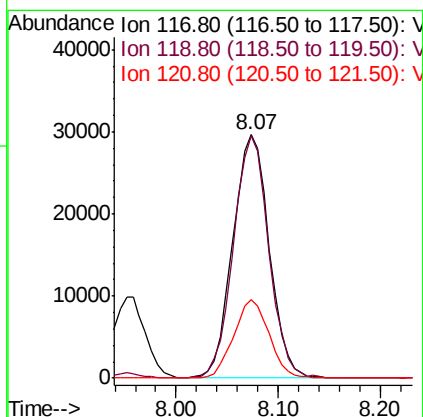
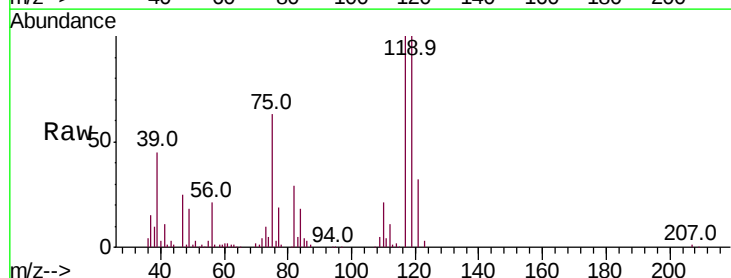
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBS01

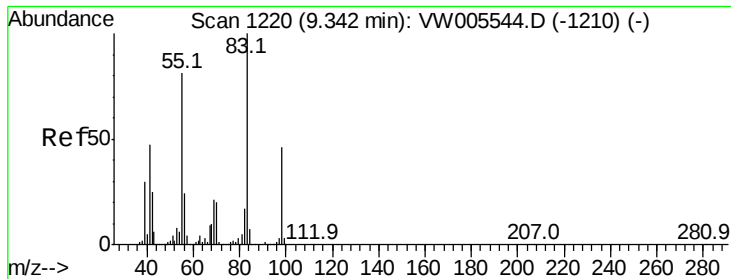
Tot Ion: 43 Resp: 23783
Ion Ratio Lower Upper
43 100
61 14.3 10.4 15.6
70 10.8 8.2 12.2



#38
Carbon Tetrachloride
Concen: 20.686 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VW005579.D
Acq: 24 Sep 2018 12:47

Tgt Ion: 117 Resp: 73277
Ion Ratio Lower Upper
117 100
119 99.3 77.6 116.4
121 32.0 25.7 38.5

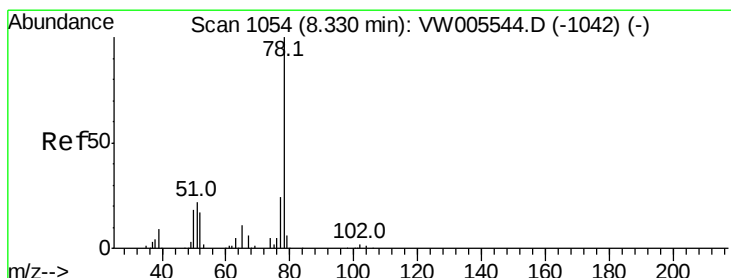
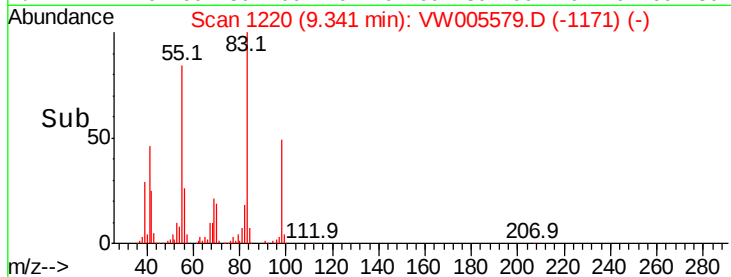
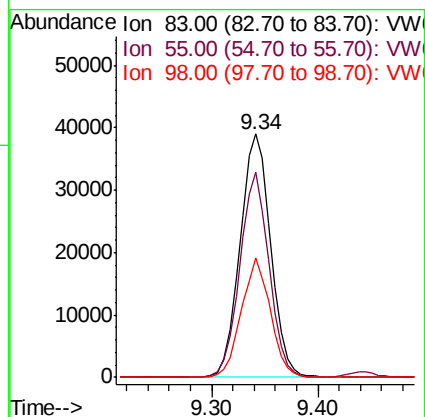
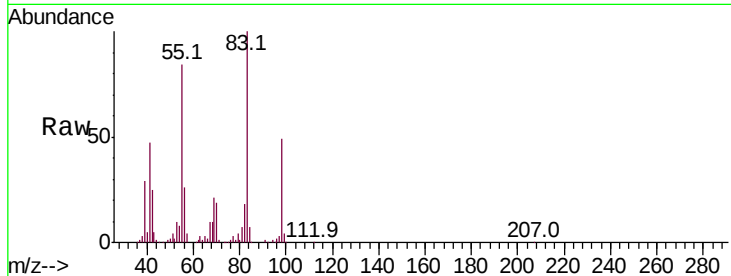




#39
Methvlcvclohexane
Concen: 20.198 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. -0.00 min
Lab File: VW005579.D
Acq: 24 Sep 2018 12:47

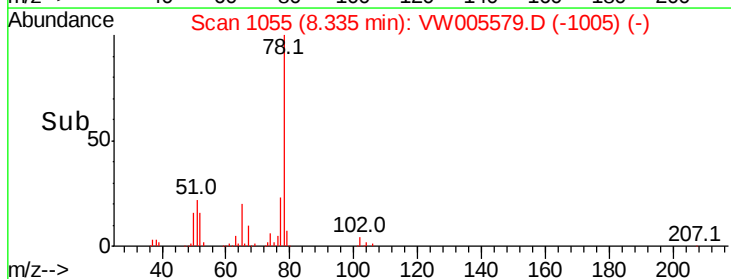
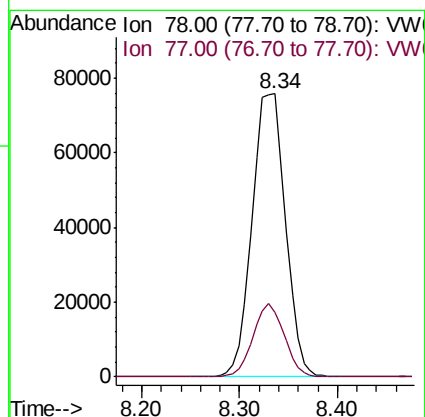
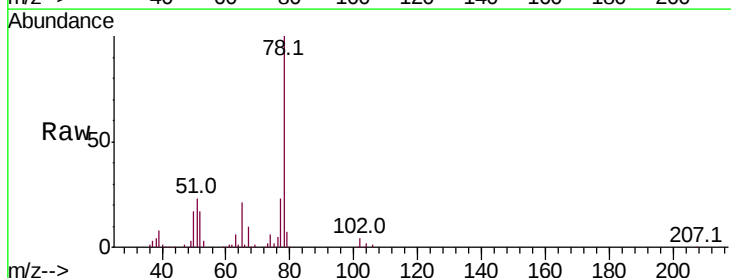
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBSD01

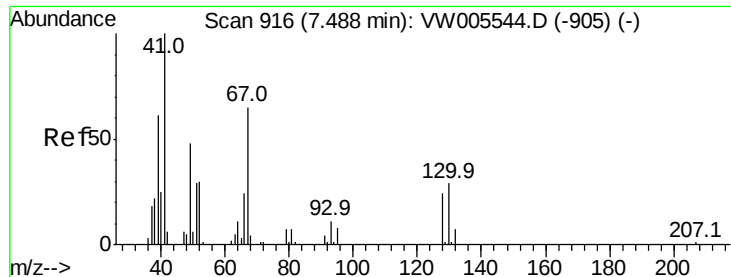
Tot Ion	83	Resp	78776
Ion	Ratio	Lower	Upper
83	100		
55	84.4	64.6	97.0
98	49.3	37.0	55.6



#40
Benzene
Concen: 19.220 ug/l
RT: 8.34 min Scan# 1055
Delta R.T. 0.01 min
Lab File: VW005579.D
Acq: 24 Sep 2018 12:47

Tgt Ion	78	Resp	180026
Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.0	28.4

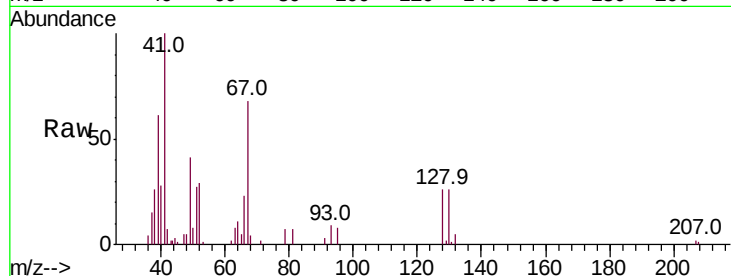




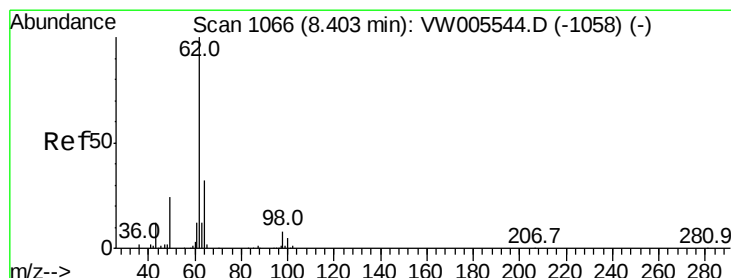
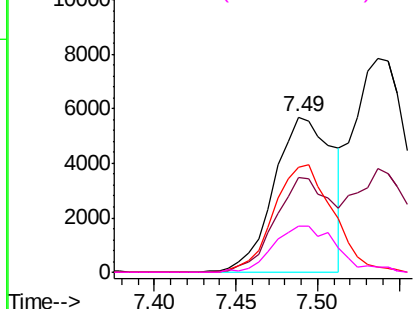
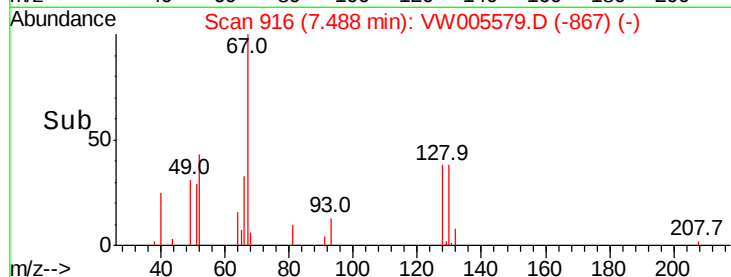
#41
Methacrylonitrile
Concen: 18.070 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW005579.D
Acq: 24 Sep 2018 12:47

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBSD01

Tot Ion:	41	Resp:	14305
Ion	Ratio	Lower	Upper
41	100		
39	58.0	45.4	68.2
67	69.6	55.2	82.8
52	32.2	25.3	37.9

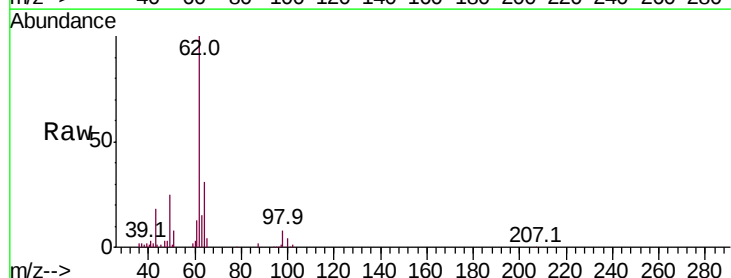


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

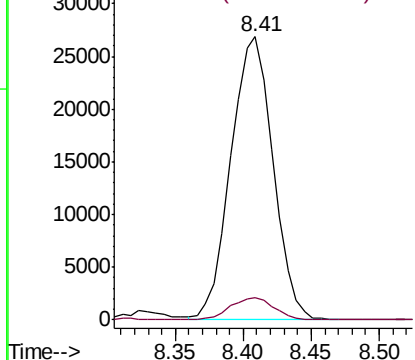
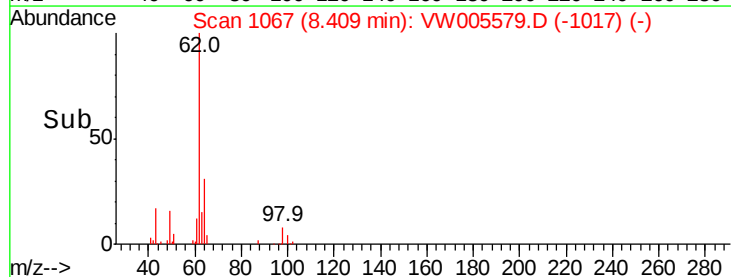


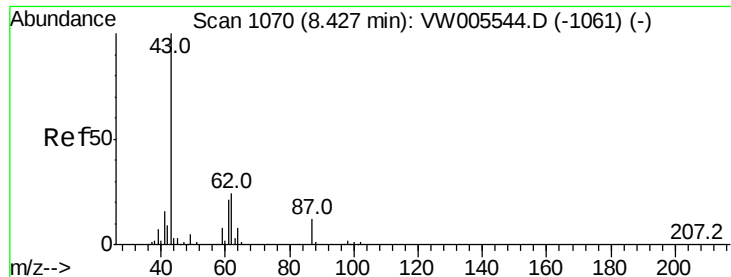
#42
1,2-Dichloroethane
Concen: 19.420 ug/l
RT: 8.41 min Scan# 1067
Delta R.T. 0.01 min
Lab File: VW005579.D
Acq: 24 Sep 2018 12:47

Tgt Ion:	62	Resp:	58236
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	15.6



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





#43

Isopropyl Acetate

Concen: 16.897 ug/l

RT: 8.43 min Scan# 1071

Delta R.T. 0.01 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBSD01

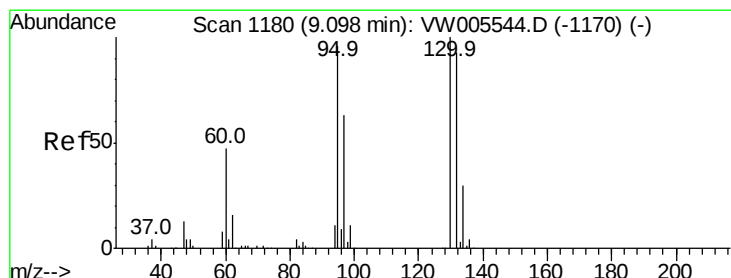
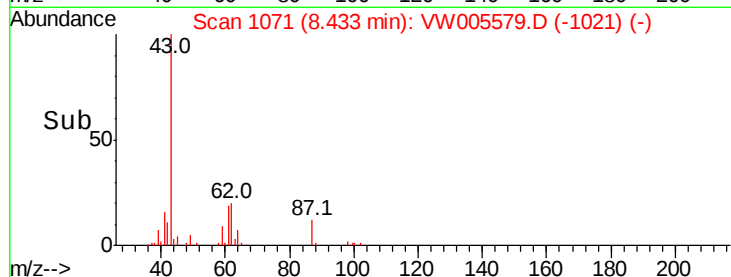
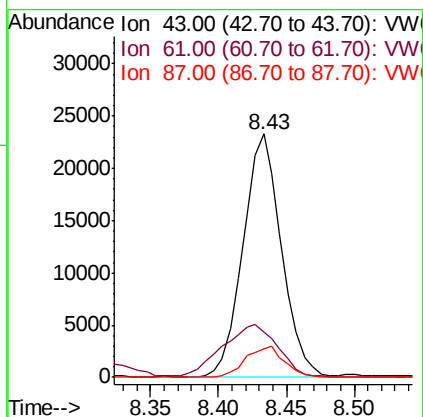
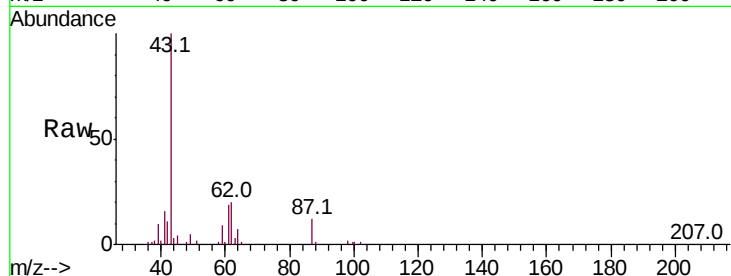
Tot Ion: 43 Resp: 46215

Ion Ratio Lower Upper

43 100

61 31.4 24.1 36.1

87 12.9 9.8 14.8



#44

Trichloroethene

Concen: 20.010 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VW005579.D

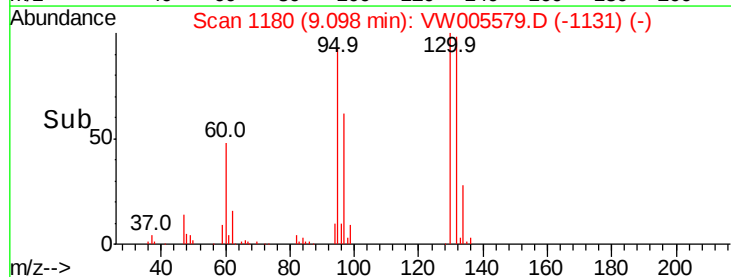
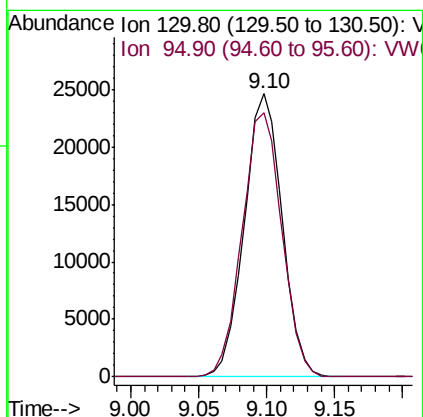
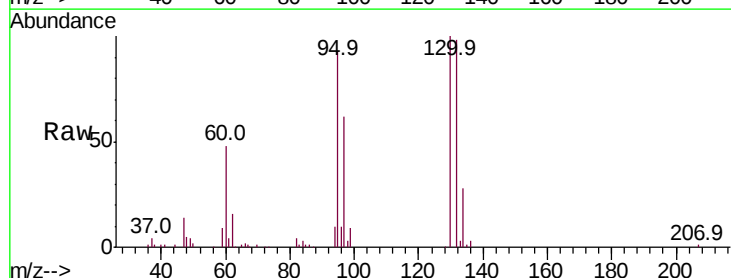
Acq: 24 Sep 2018 12:47

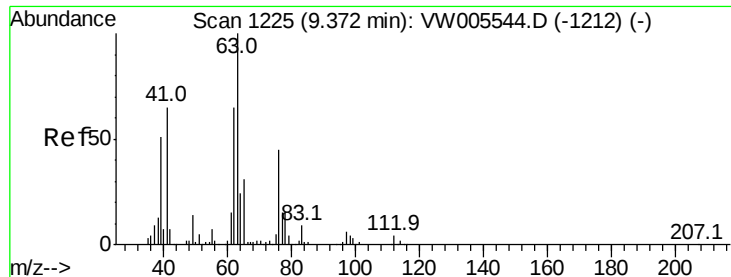
Tgt Ion: 130 Resp: 47973

Ion Ratio Lower Upper

130 100

95 93.5 0.0 191.2





#45

1,2-Dichloropropane

Concen: 18.640 ug/l

RT: 9.38 min Scan# 1226

Delta R.T. 0.01 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Instrument :

MSVOA_W

ClientSampleId :

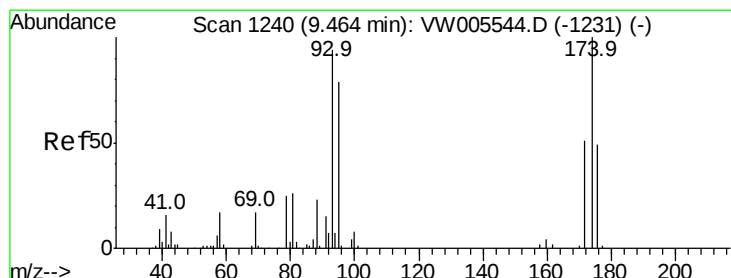
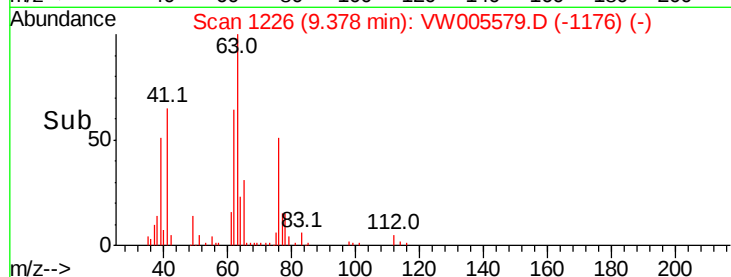
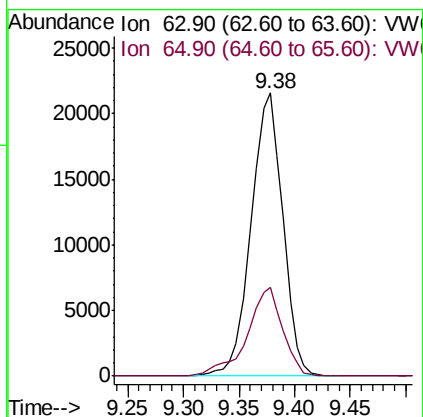
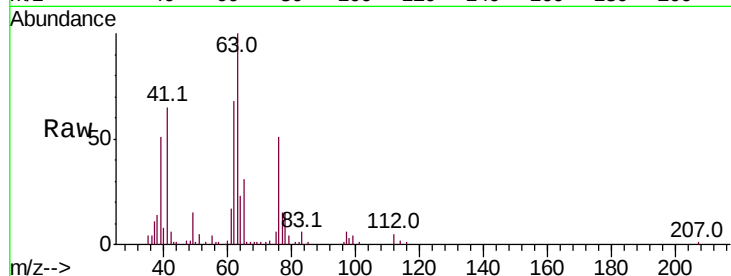
VW0924SBSD01

Tot Ion: 63 Resp: 42953

Ion Ratio Lower Upper

63 100

65 31.2 24.7 37.1



#46

Dibromomethane

Concen: 18.940 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

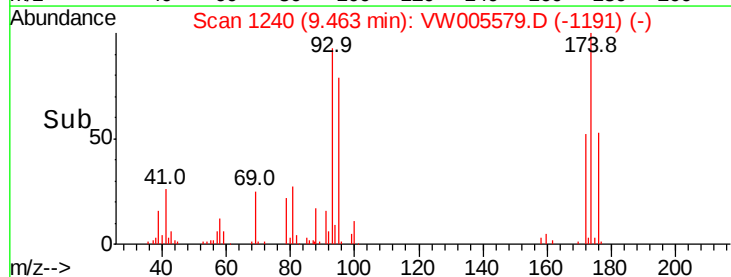
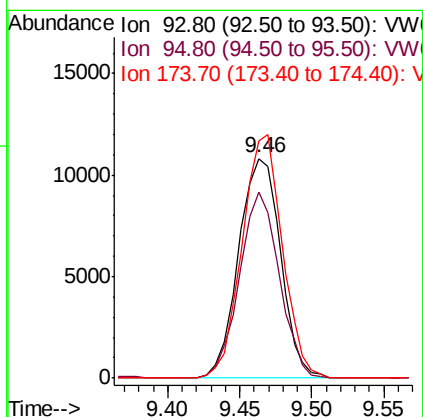
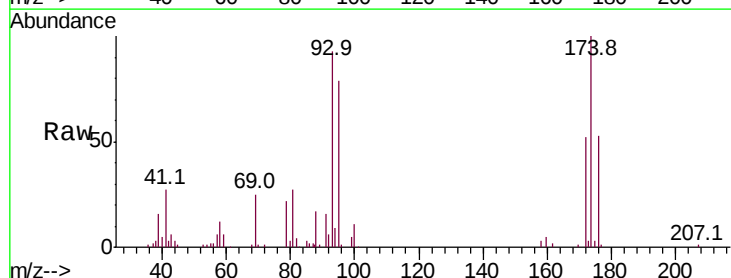
Tgt Ion: 93 Resp: 21807

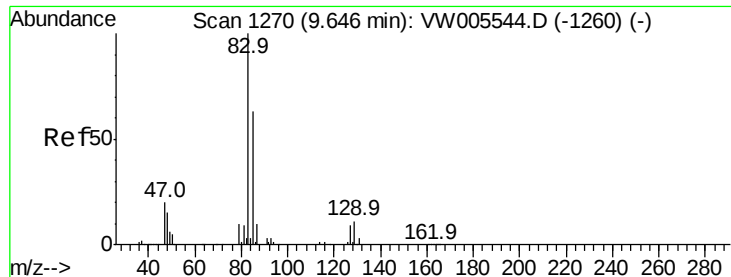
Ion Ratio Lower Upper

93 100

95 80.4 65.8 98.8

174 106.2 84.0 126.0





#47

Bromodichloromethane

Concen: 19.207 ug/l

RT: 9.65 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBSD01

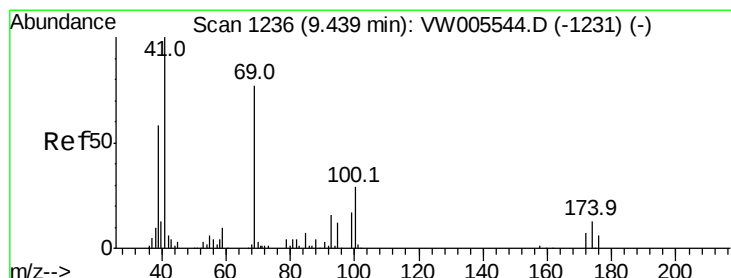
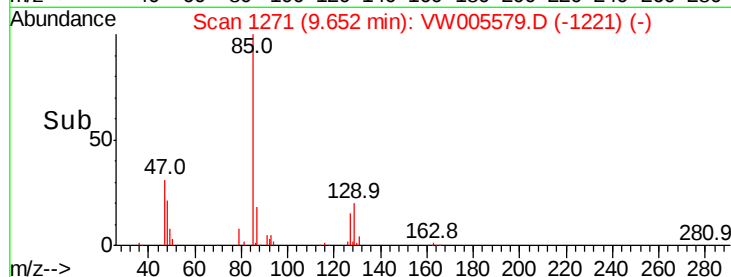
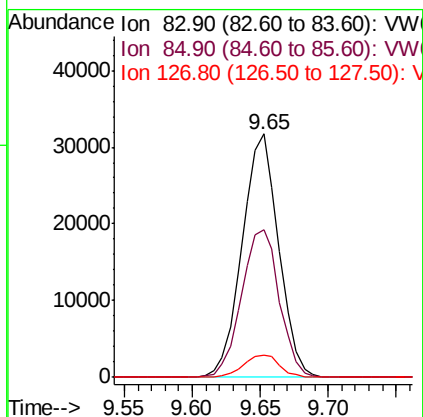
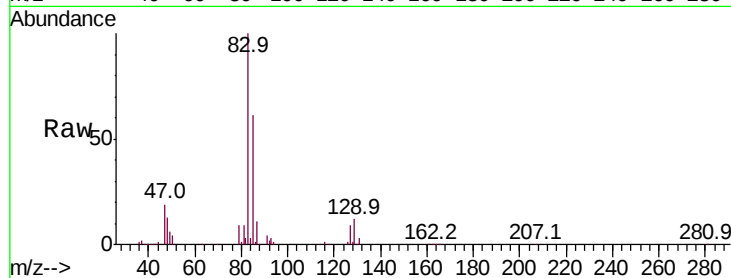
Tot Ion: 83 Resp: 59405

Ion Ratio Lower Upper

83 100

85 60.7 50.5 75.7

127 9.0 7.0 10.6



#48

Methyl methacrylate

Concen: 17.963 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.01 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

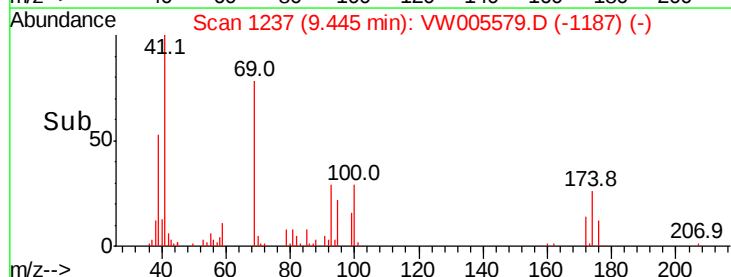
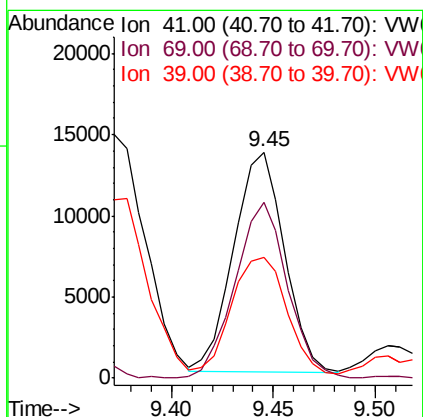
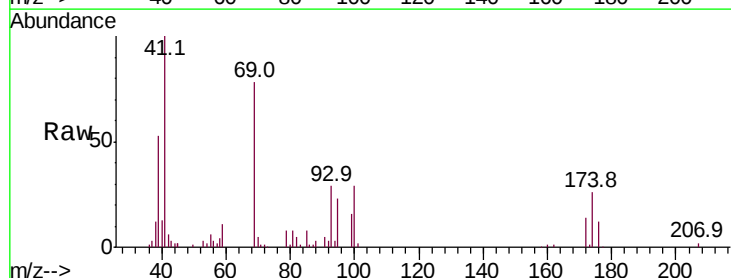
Tgt Ion: 41 Resp: 23336

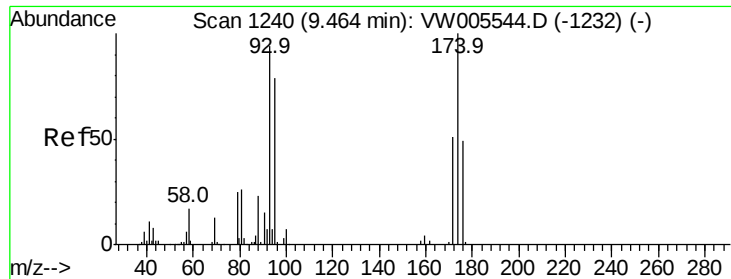
Ion Ratio Lower Upper

41 100

69 82.6 64.7 97.1

39 57.7 50.5 75.7

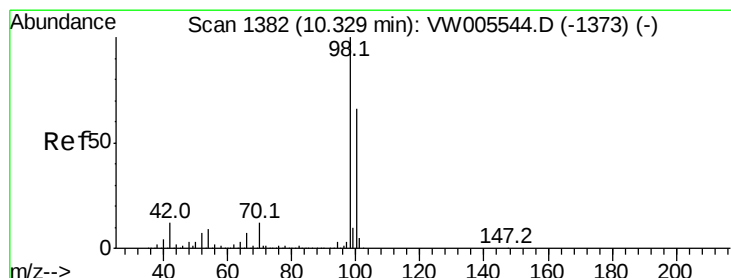
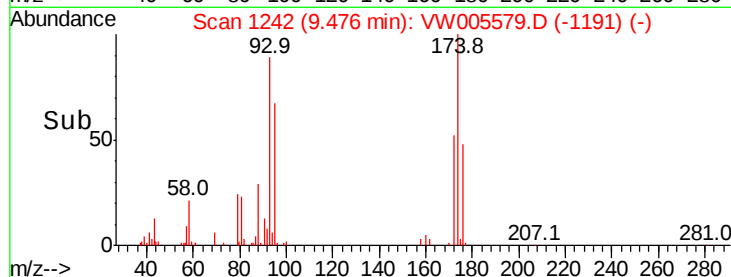
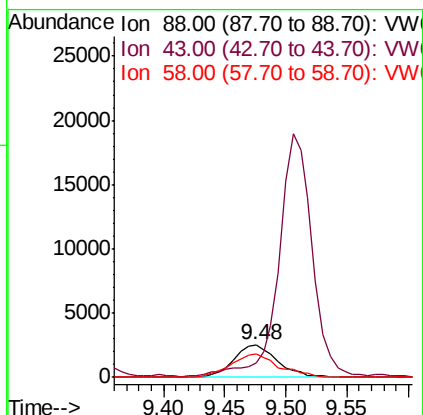
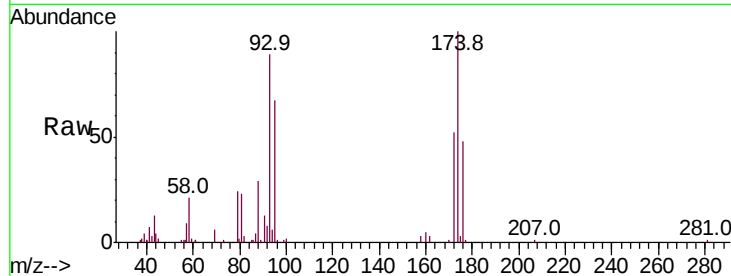




#49
1,4-Dioxane
Concen: 337.885 ug/l
RT: 9.48 min Scan# 1242
Delta R.T. 0.01 min
Lab File: VW005579.D
Acq: 24 Sep 2018 12:47

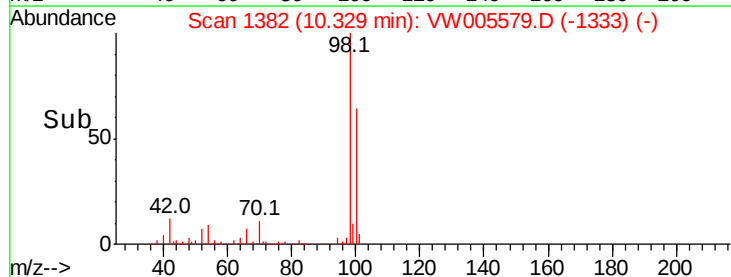
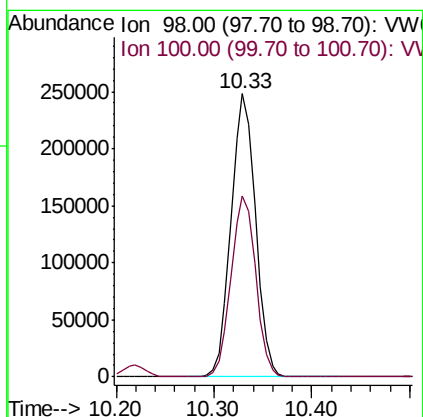
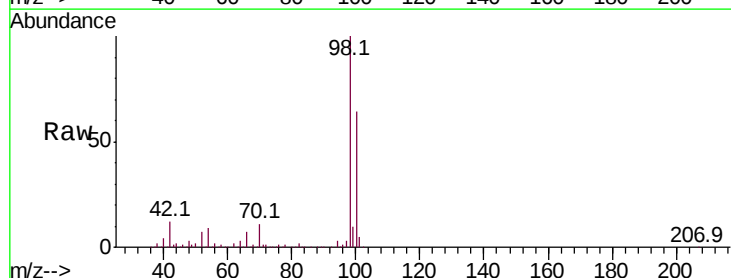
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBSD01

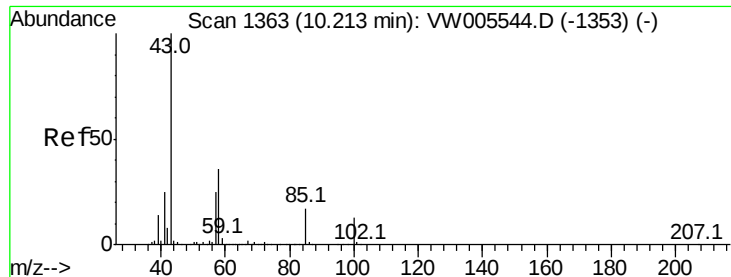
Tot Ion: 88 Resp: 6185
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 80.5 61.2 91.8



#50
Toluene-d8
Concen: 51.324 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW005579.D
Acq: 24 Sep 2018 12:47

Tgt Ion: 98 Resp: 431565
Ion Ratio Lower Upper
98 100
100 64.4 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 84.350 ug/l

RT: 10.22 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Instrument :

MSVOA_W

ClientSampleId :

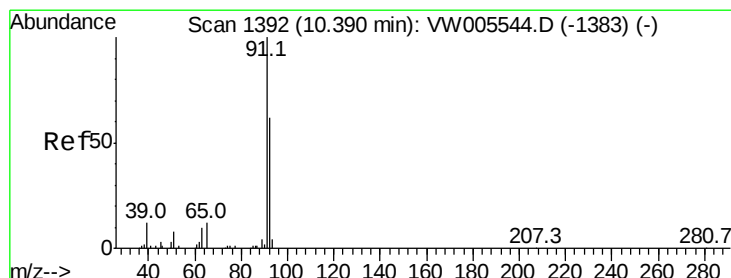
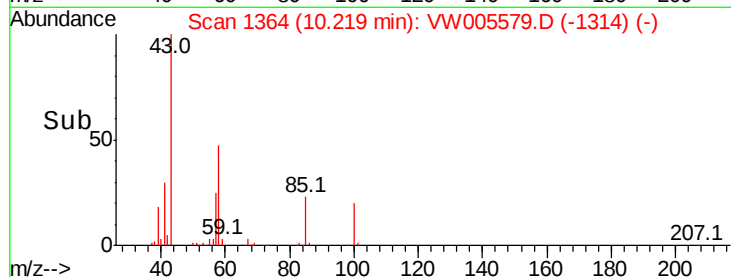
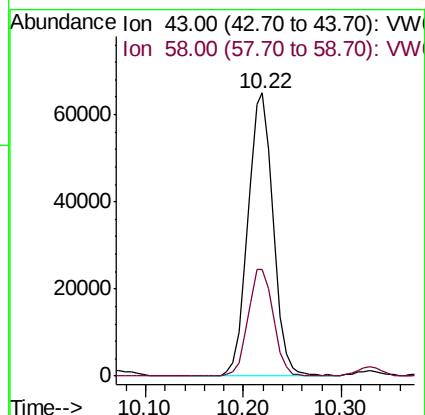
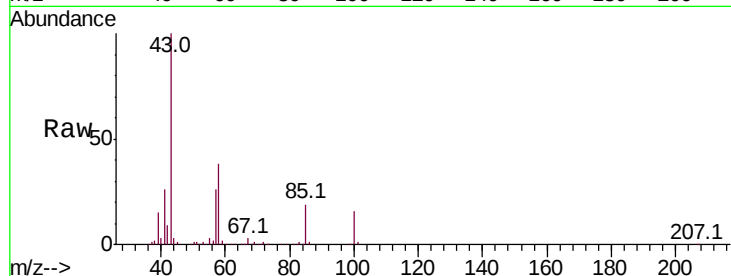
VW0924SBSD01

Tot Ion: 43 Resp: 116199

Ion Ratio Lower Upper

43 100

58 37.8 30.0 45.0



#52

Toluene

Concen: 19.954 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW005579.D

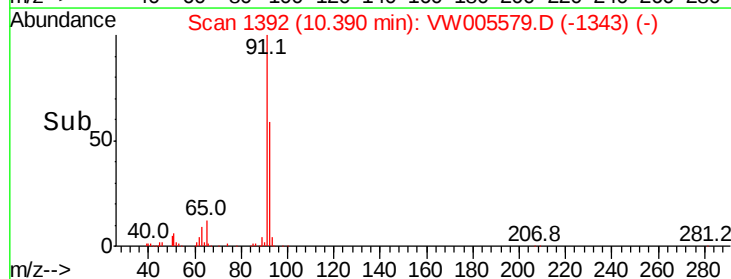
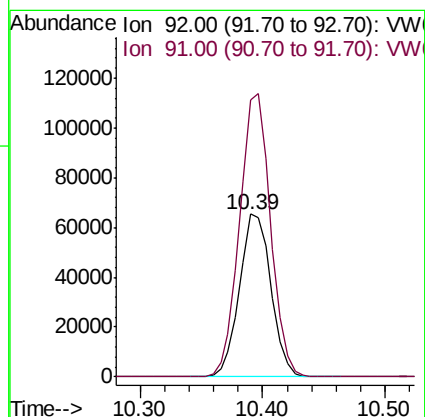
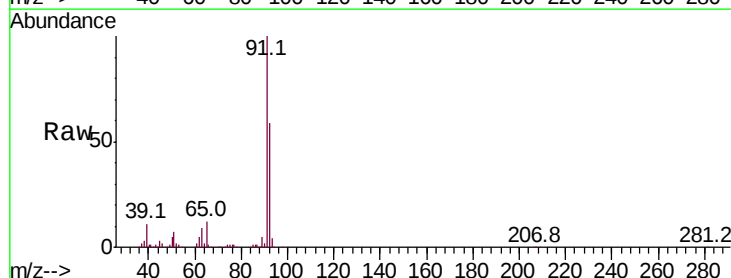
Acq: 24 Sep 2018 12:47

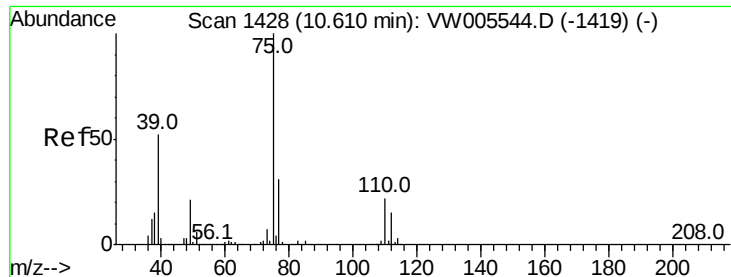
Tgt Ion: 92 Resp: 116616

Ion Ratio Lower Upper

92 100

91 170.8 137.1 205.7





#53

t-1,3-Dichloropropene

Concen: 19.086 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Instrument :

MSVOA_W

ClientSampleId :

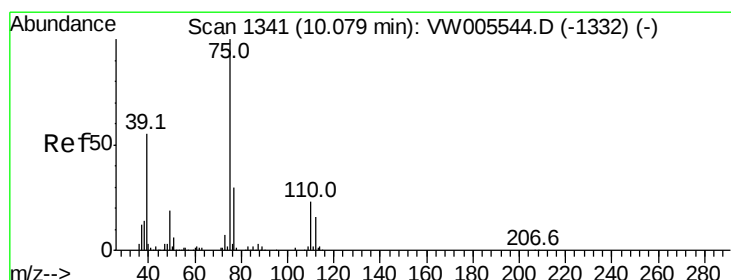
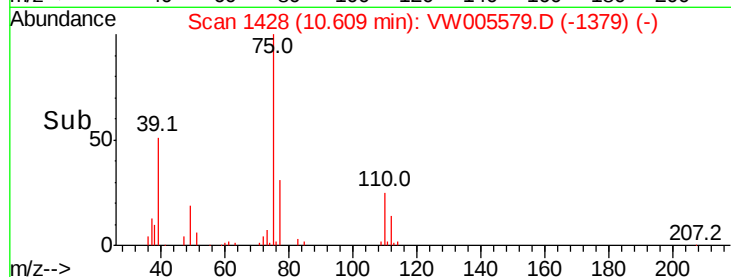
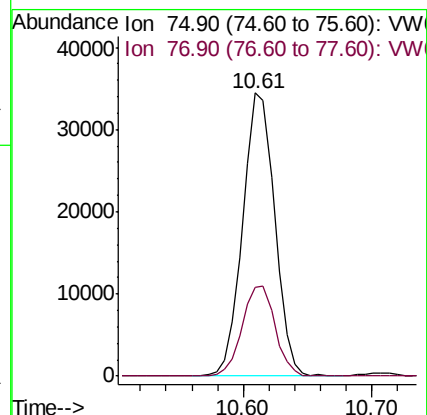
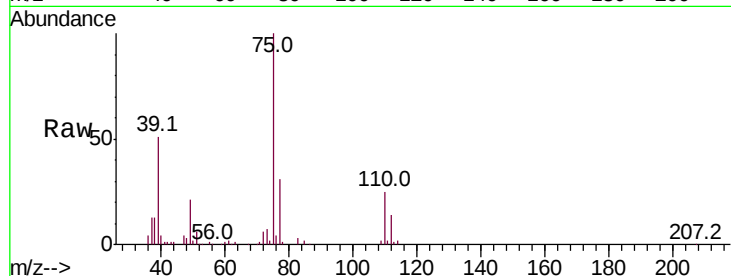
VW0924SBSD01

Tot Ion: 75 Resp: 59177

Ion Ratio Lower Upper

75 100

77 31.5 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 19.498 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

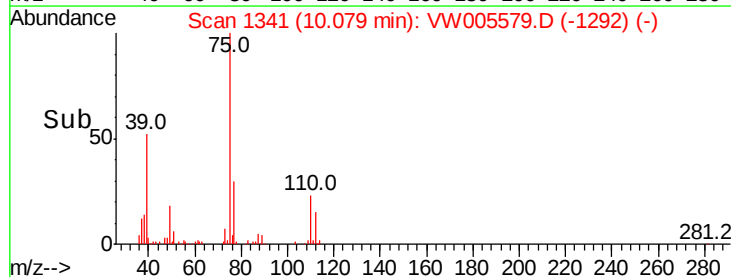
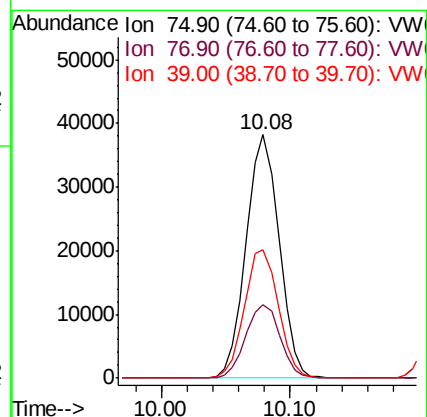
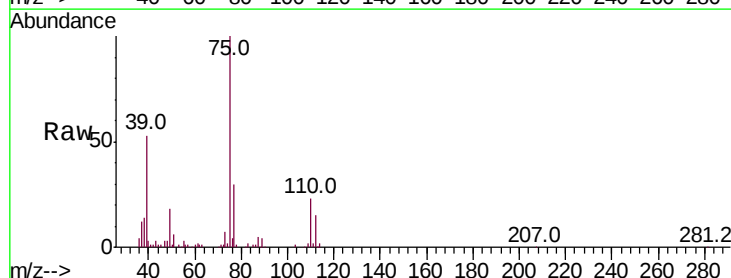
Tgt Ion: 75 Resp: 67735

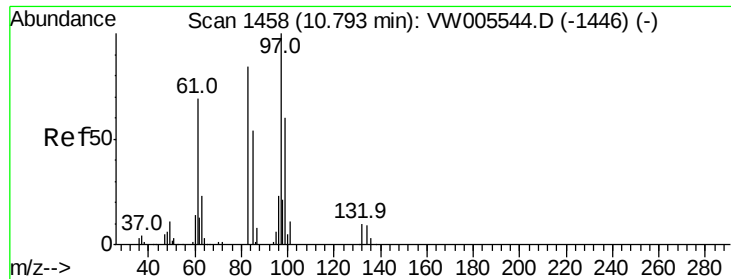
Ion Ratio Lower Upper

75 100

77 30.2 24.3 36.5

39 52.6 43.7 65.5

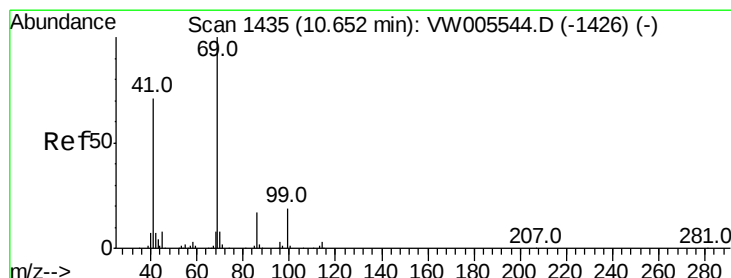
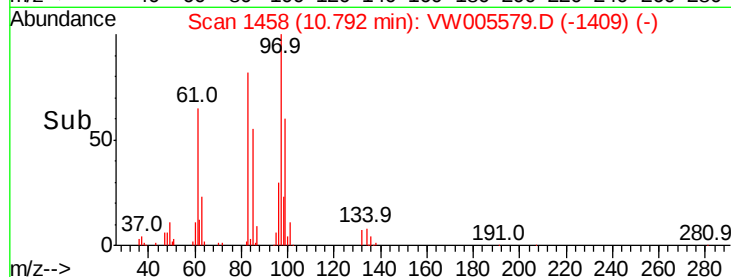
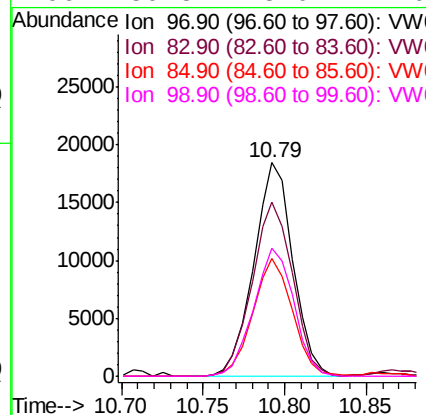
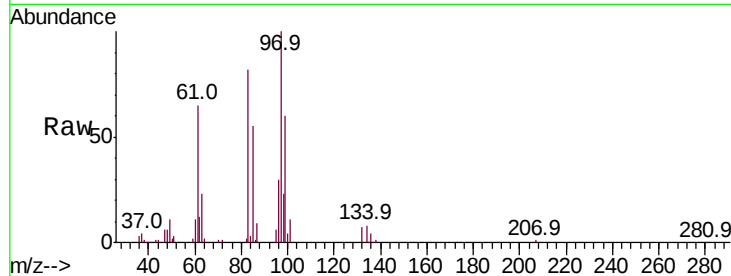




#55
 1,1,2-Trichloroethane
 Concen: 18.862 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: VW005579.D
 Acq: 24 Sep 2018 12:47

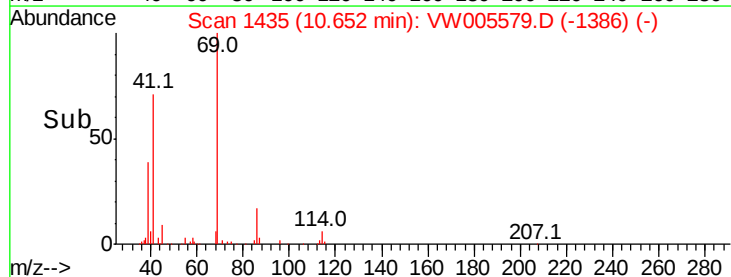
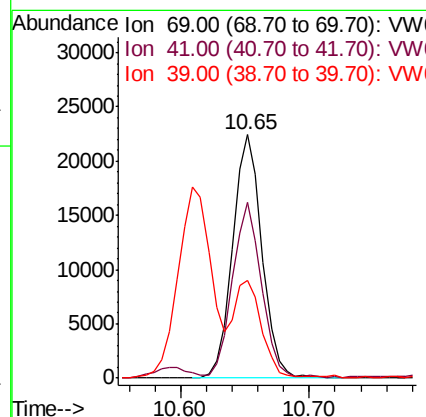
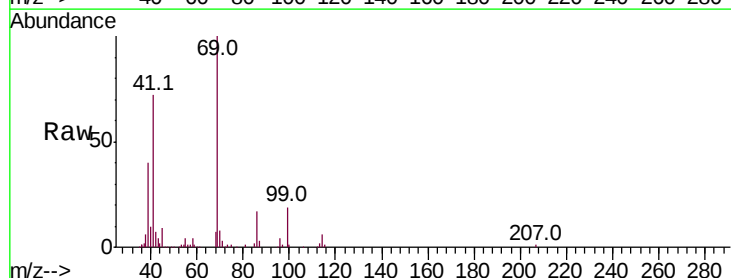
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0924SBSD01

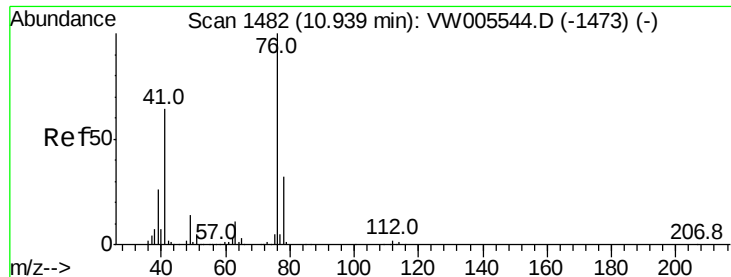
Tot Ion:	97	Resp:	30827
Ion	Ratio	Lower	Upper
97	100		
83	81.7	67.4	101.2
85	55.1	43.3	64.9
99	59.8	48.0	72.0



#56
 Ethyl methacrylate
 Concen: 17.597 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. -0.00 min
 Lab File: VW005579.D
 Acq: 24 Sep 2018 12:47

Tgt Ion:	69	Resp:	35502
Ion	Ratio	Lower	Upper
69	100		
41	71.6	57.3	85.9
39	37.9	29.2	43.8





#57

1,3-Dichloropropane

Concen: 18.281 ug/l

RT: 10.94 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Instrument :

MSVOA_W

ClientSampleId :

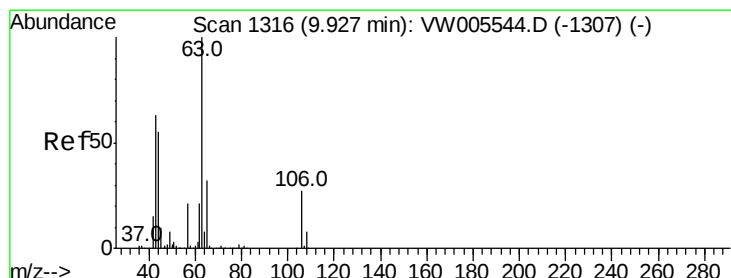
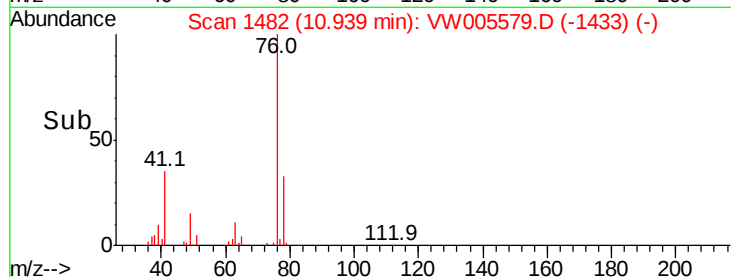
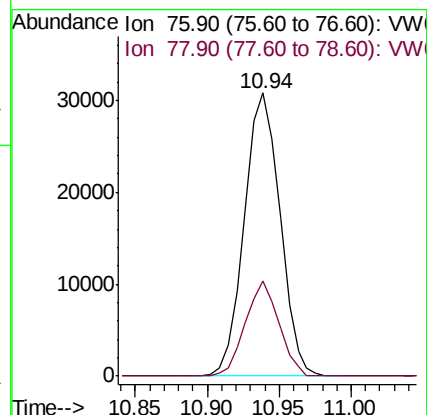
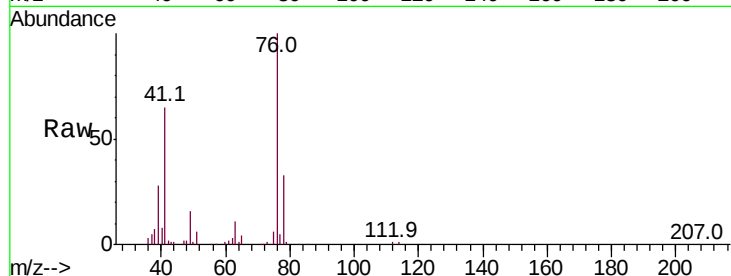
VW0924SBSD01

Tot Ion: 76 Resp: 52951

Ion Ratio Lower Upper

76 100

78 31.6 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 92.359 ug/l

RT: 9.93 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VW005579.D

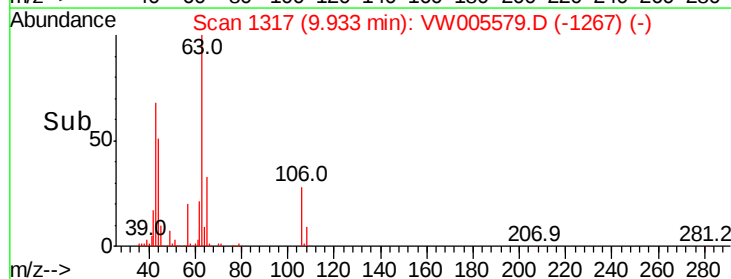
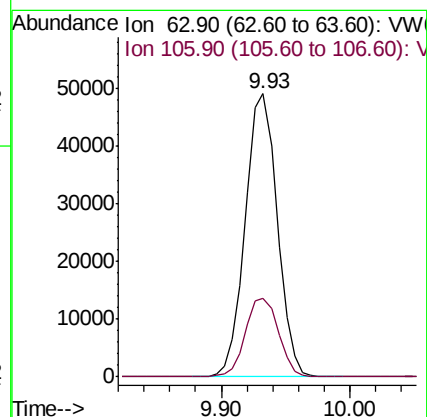
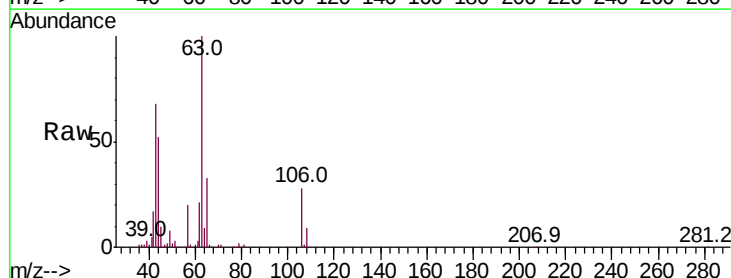
Acq: 24 Sep 2018 12:47

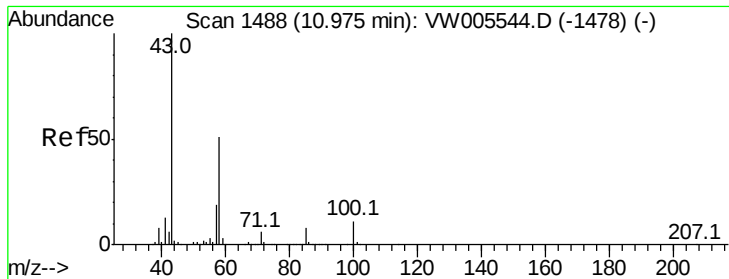
Tgt Ion: 63 Resp: 84466

Ion Ratio Lower Upper

63 100

106 28.5 21.6 32.4





#59

2-Hexanone

Concen: 87.432 ug/l

RT: 10.98 min Scan# 1488

Delta R.T. -0.00 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Instrument :

MSVOA_W

ClientSampleId :

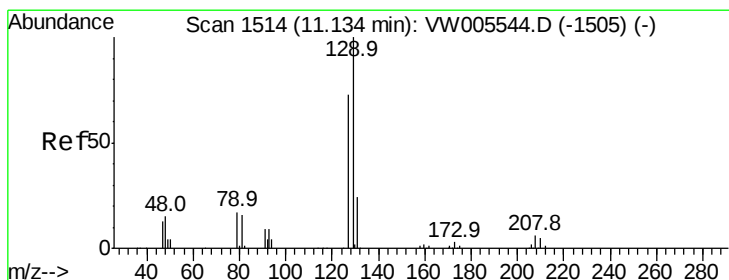
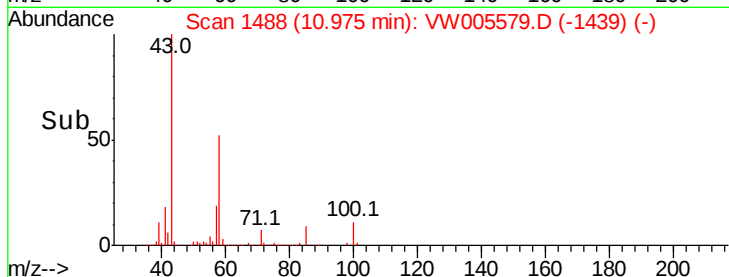
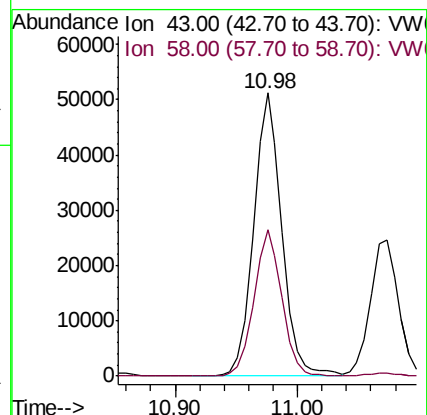
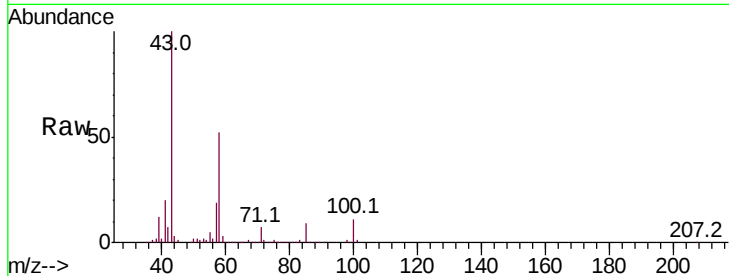
VW0924SBSD01

Tot Ion: 43 Resp: 81821

Ion Ratio Lower Upper

43 100

58 51.3 25.3 75.9



#60

Dibromochloromethane

Concen: 19.715 ug/l

RT: 11.13 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VW005579.D

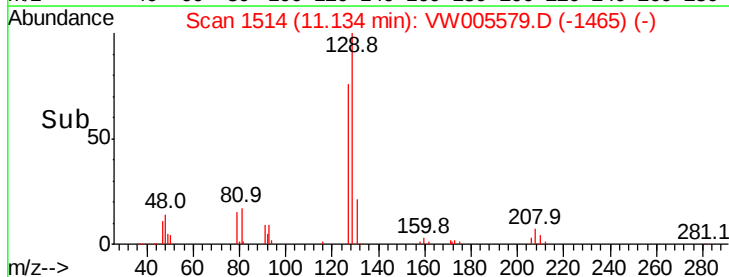
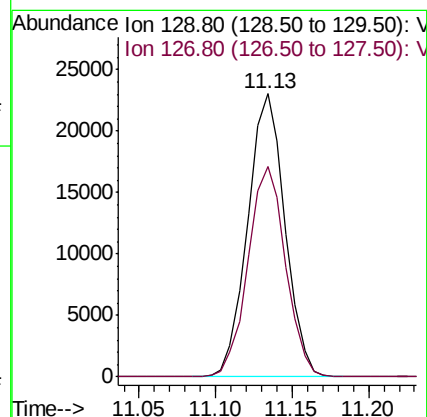
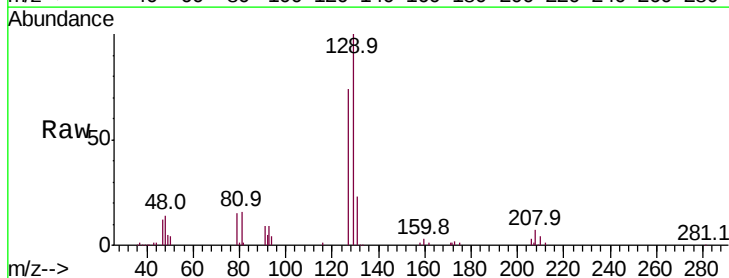
Acq: 24 Sep 2018 12:47

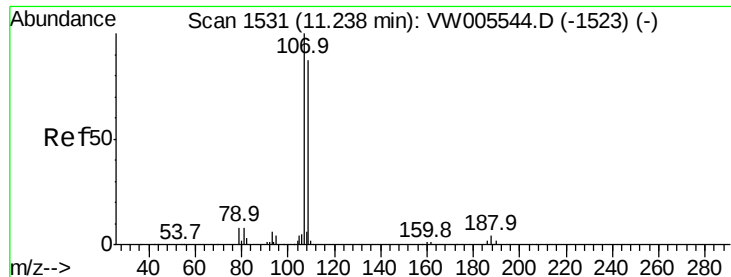
Tgt Ion: 129 Resp: 38930

Ion Ratio Lower Upper

129 100

127 75.2 38.5 115.5





#61

1,2-Dibromoethane

Concen: 18.919 ug/l

RT: 11.24 min Scan# 1532

Delta R.T. 0.01 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Instrument :

MSVOA_W

ClientSampleId :

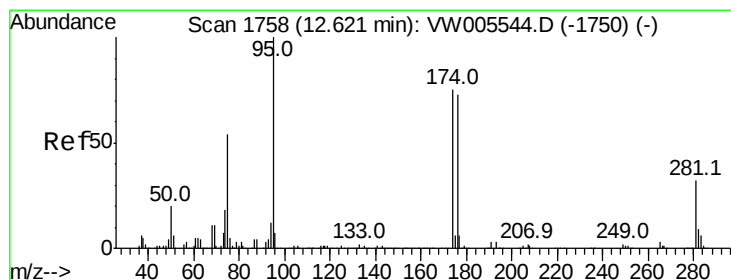
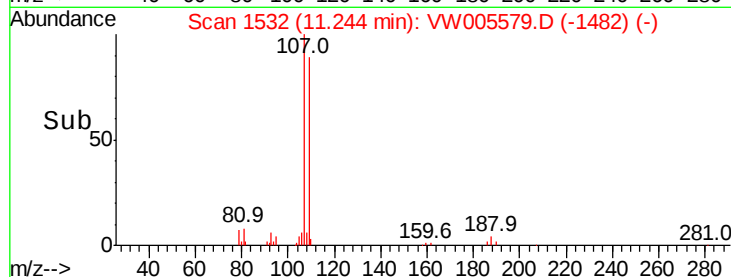
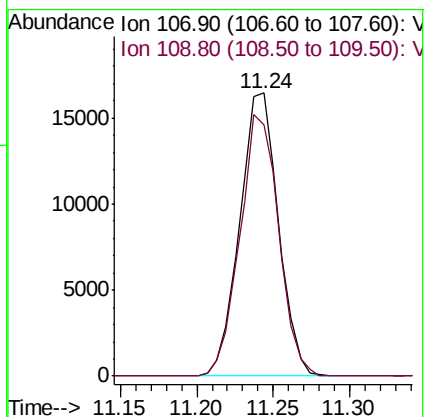
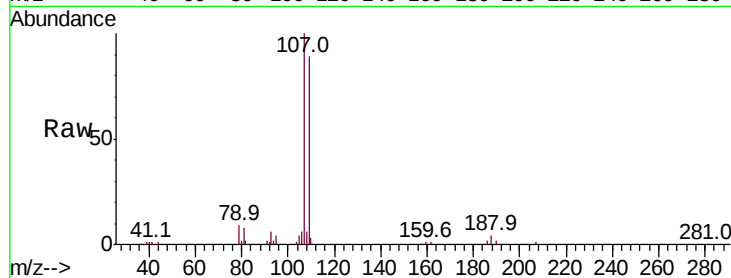
VW0924SBSD01

Tot Ion:107 Resp: 28828

Ion Ratio Lower Upper

107 100

109 92.9 73.4 110.0



#62

4-Bromofluorobenzene

Concen: 50.341 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.01 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

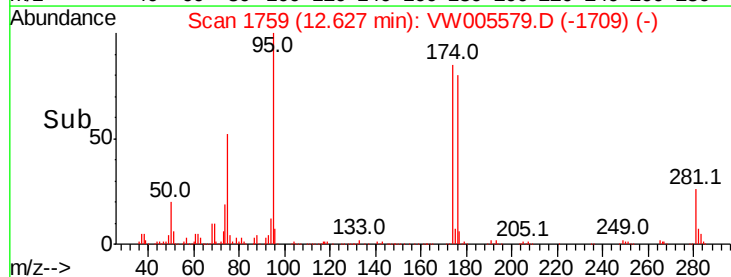
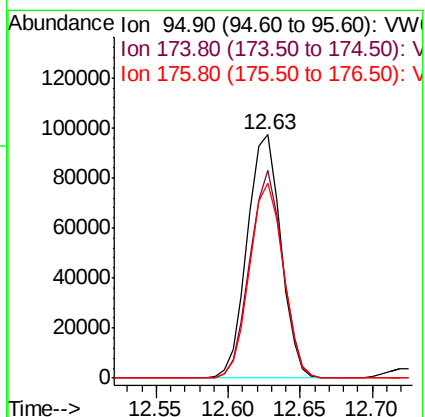
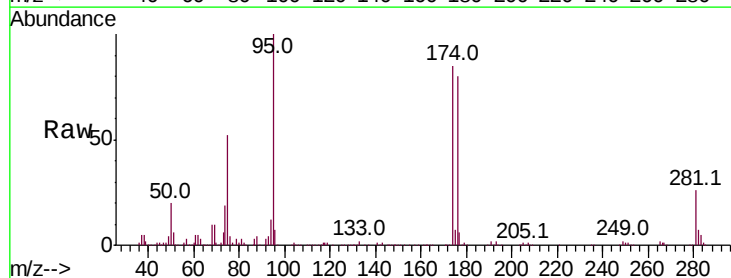
Tgt Ion: 95 Resp: 156633

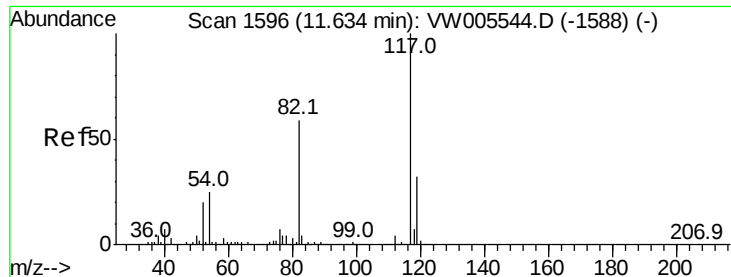
Ion Ratio Lower Upper

95 100

174 83.7 0.0 163.8

176 80.5 0.0 158.0

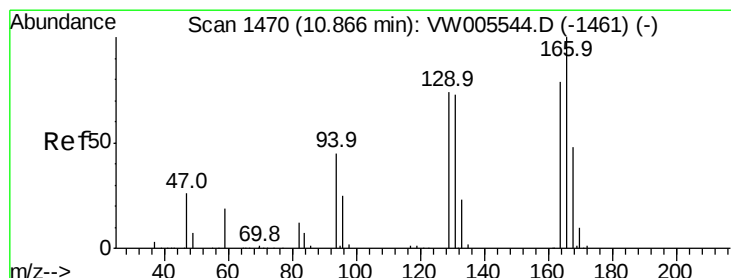
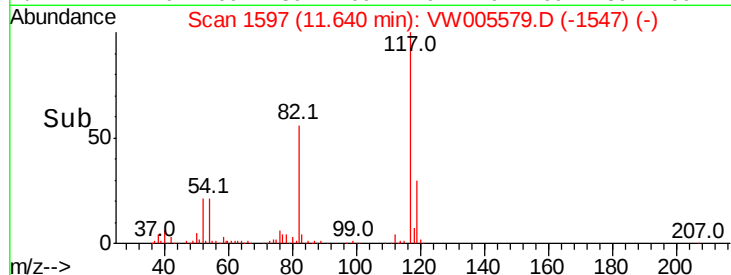
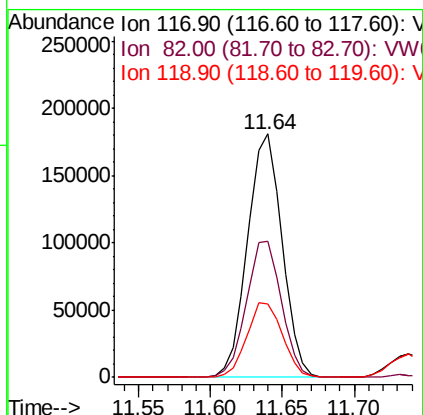
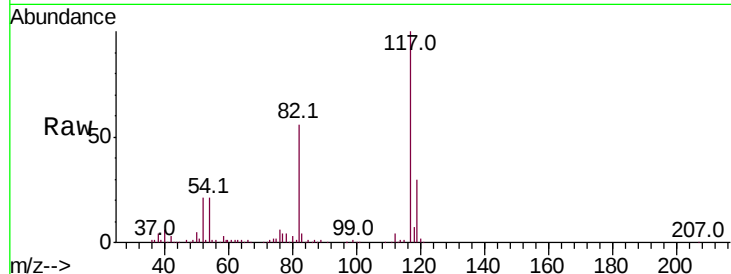




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. 0.01 min
Lab File: VW005579.D
Acq: 24 Sep 2018 12:47

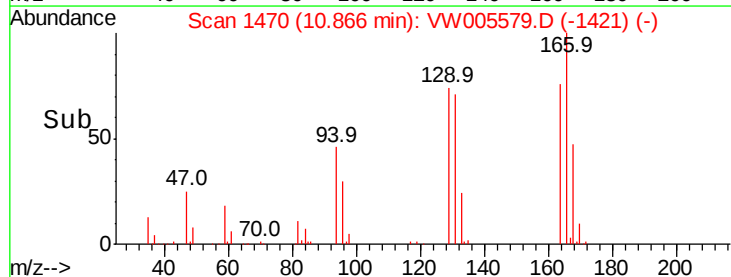
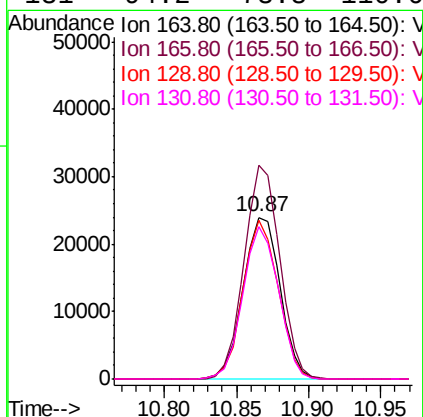
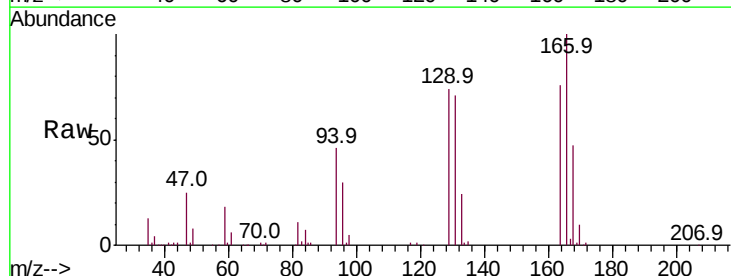
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBSD01

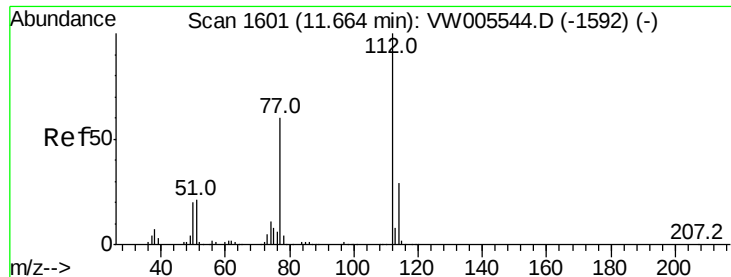
Tot Ion:117 Resp: 300181
Ion Ratio Lower Upper
117 100
82 55.9 46.9 70.3
119 29.9 25.7 38.5



#64
Tetrachloroethene
Concen: 19.983 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW005579.D
Acq: 24 Sep 2018 12:47

Tgt Ion:164 Resp: 42574
Ion Ratio Lower Upper
164 100
166 132.3 101.1 151.7
129 98.4 74.4 111.6
131 94.2 73.8 110.6





#65

Chlorobenzene

Concen: 19.554 ug/l

RT: 11.66 min Scan# 1601

Delta R.T. -0.00 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Instrument :

MSVOA_W

ClientSampleId :

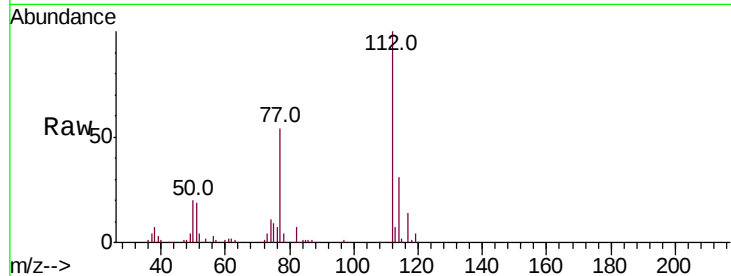
VW0924SBSD01

Tot Ion:112 Resp: 124608

Ion Ratio Lower Upper

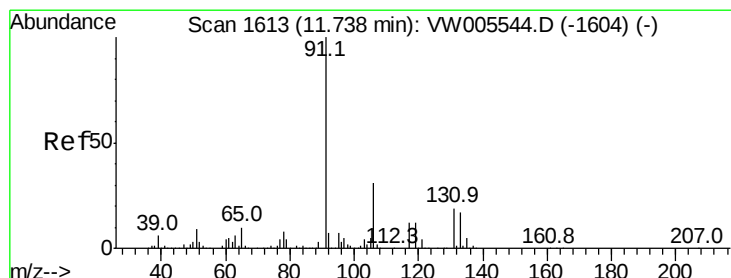
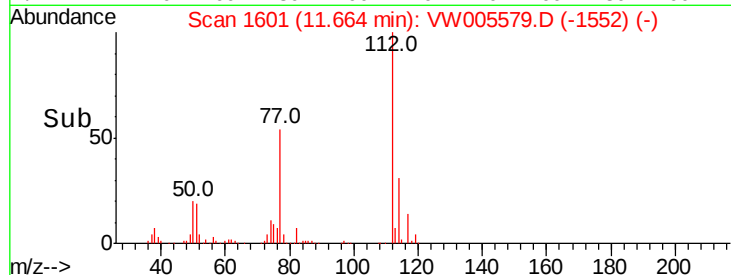
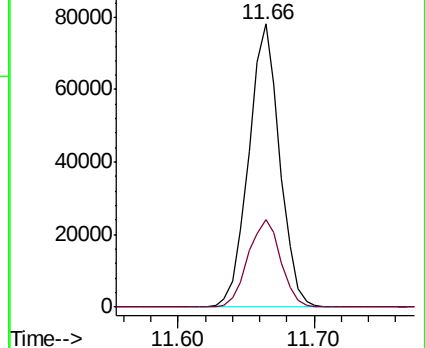
112 100

114 31.0 22.9 34.3



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: 19.954 ug/l

RT: 11.74 min Scan# 1613

Delta R.T. -0.00 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

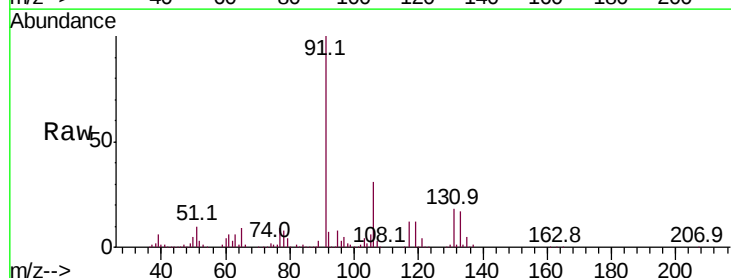
Tgt Ion:131 Resp: 45764

Ion Ratio Lower Upper

131 100

133 93.3 47.2 141.6

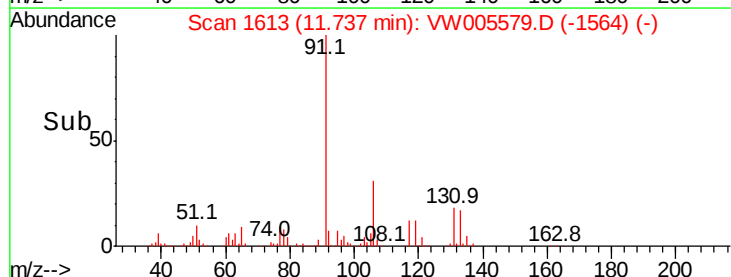
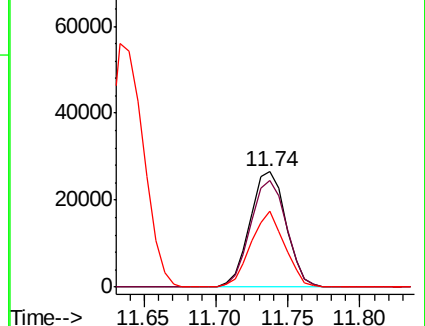
119 61.6 31.1 93.2

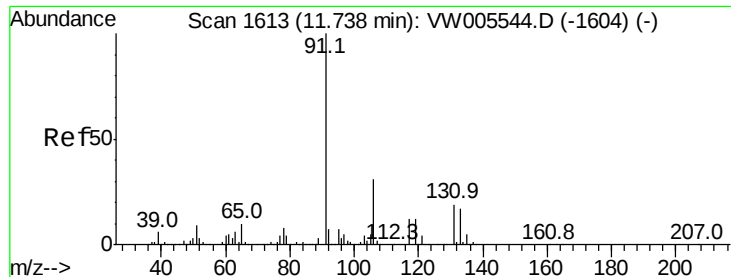


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.099 ug/l

RT: 11.74 min Scan# 1613

Delta R.T. -0.00 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Instrument :

MSVOA_W

ClientSampleId :

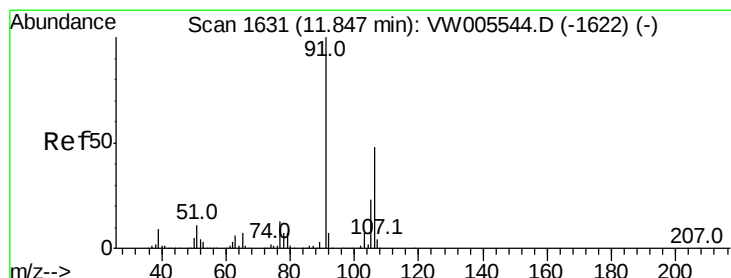
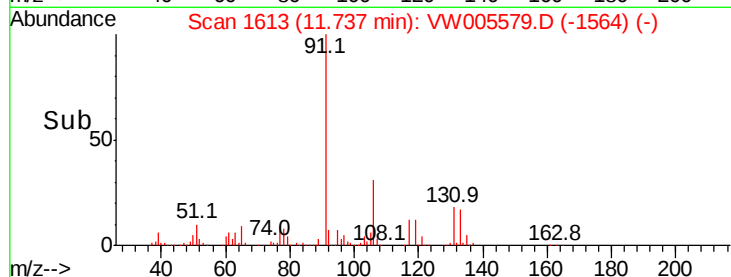
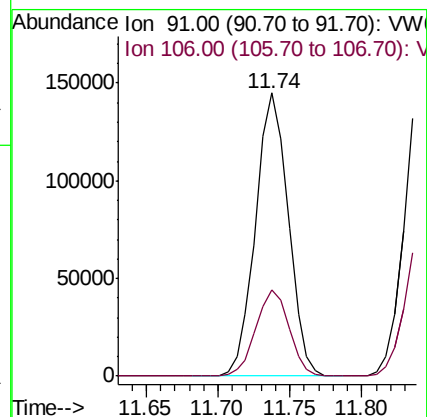
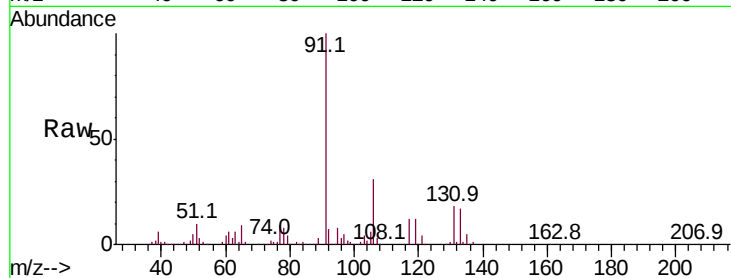
VW0924SBSD01

Tot Ion: 91 Resp: 227342

Ion Ratio Lower Upper

91 100

106 30.6 24.4 36.6



#68

m/p-Xylenes

Concen: 41.130 ug/l

RT: 11.85 min Scan# 1631

Delta R.T. -0.00 min

Lab File: VW005579.D

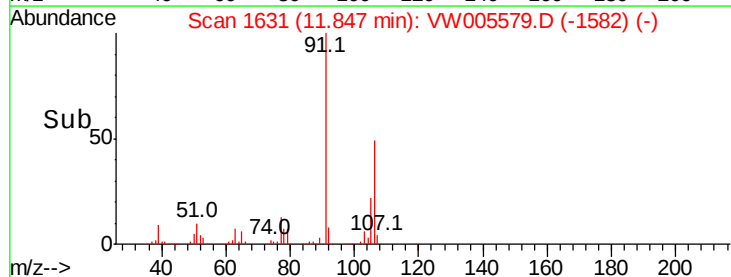
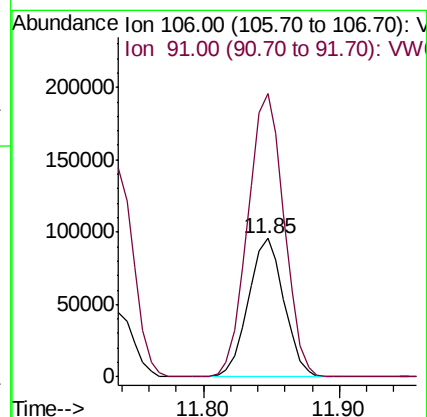
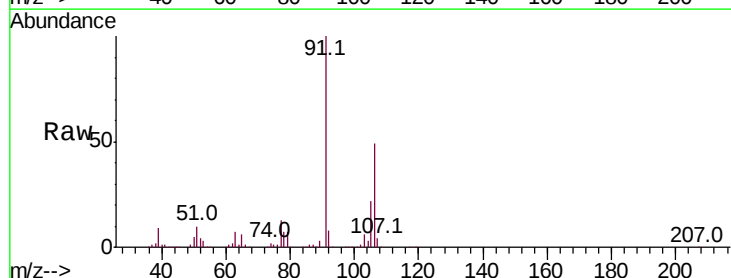
Acq: 24 Sep 2018 12:47

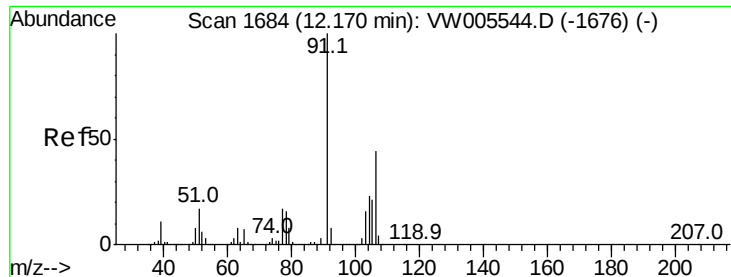
Tgt Ion:106 Resp: 175767

Ion Ratio Lower Upper

106 100

91 208.0 167.8 251.8

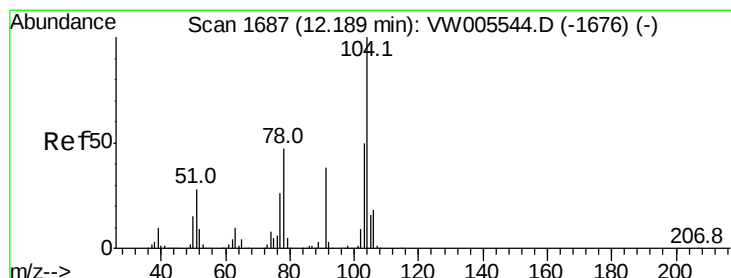
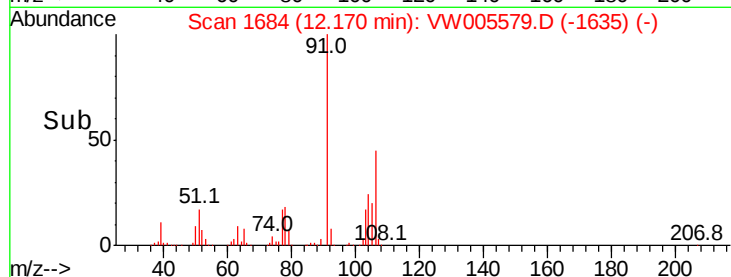
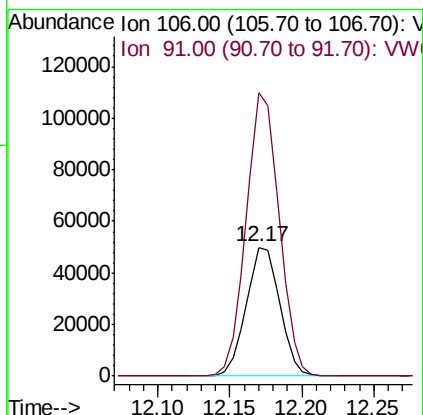
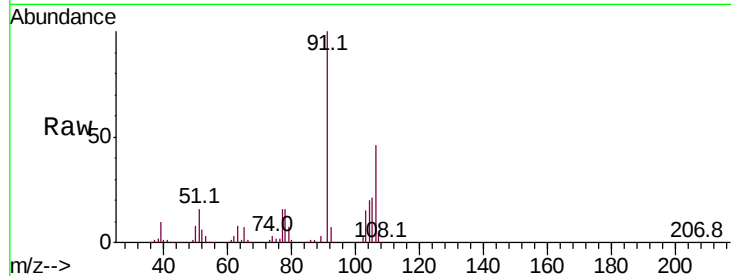




#69
o-Xylene
Concen: 20.064 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW005579.D
Acq: 24 Sep 2018 12:47

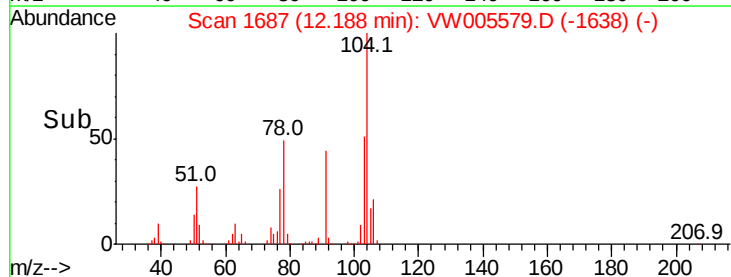
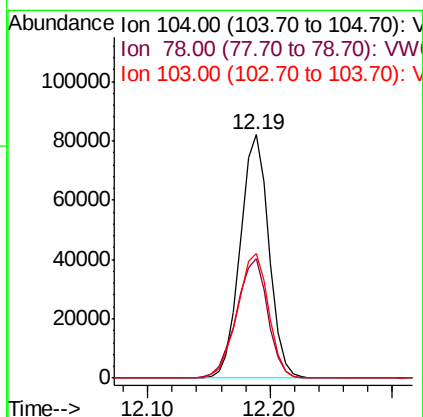
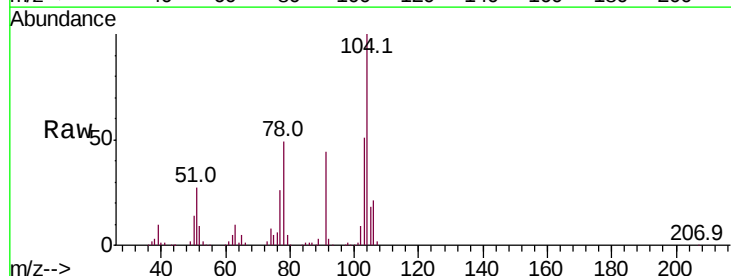
Instrument :
MSVOA_W
ClientSampleId :
VW0924SBSD01

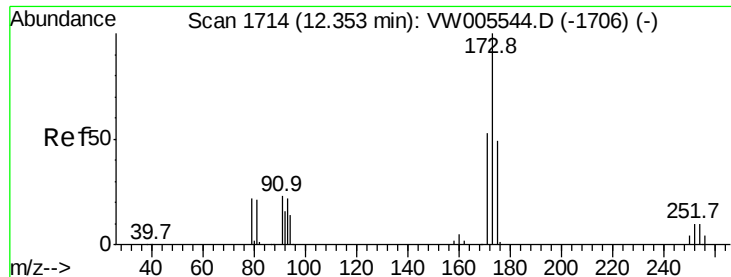
Tot Ion:106 Resp: 80299
Ion Ratio Lower Upper
106 100
91 217.2 111.0 333.0



#70
Styrene
Concen: 19.776 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VW005579.D
Acq: 24 Sep 2018 12:47

Tgt Ion:104 Resp: 133198
Ion Ratio Lower Upper
104 100
78 53.7 42.2 63.4
103 56.2 44.6 66.8

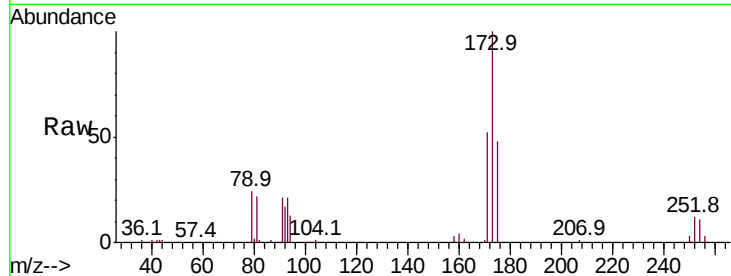




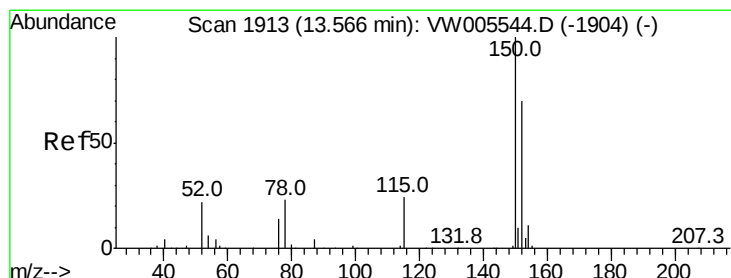
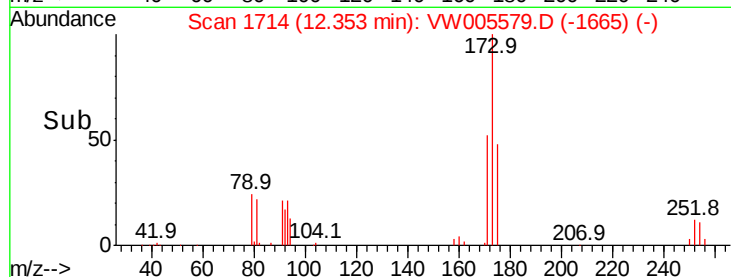
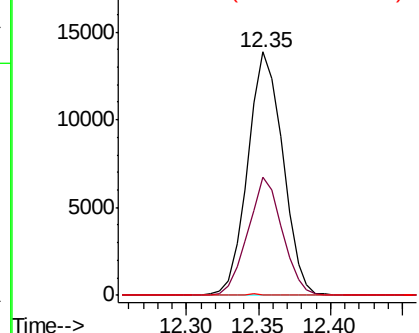
#71
Bromoform
Concen: 19.099 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. -0.00 min
Lab File: VW005579.D
Acq: 24 Sep 2018 12:47

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBSD01

Tot Ion:173 Resp: 23251
Ion Ratio Lower Upper
173 100
175 47.7 24.3 72.9
254 0.2 0.1 0.1#

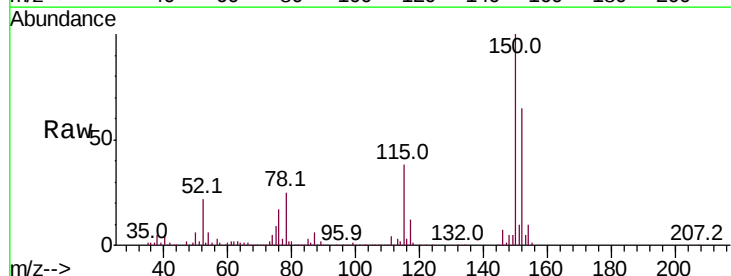


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

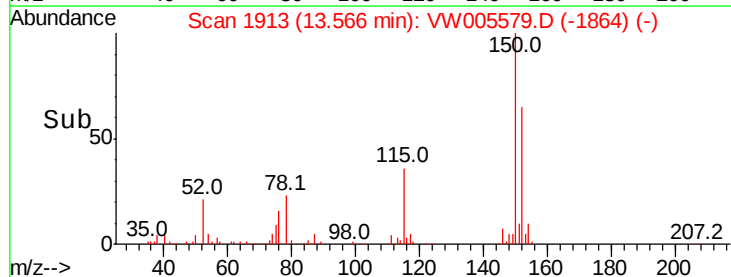
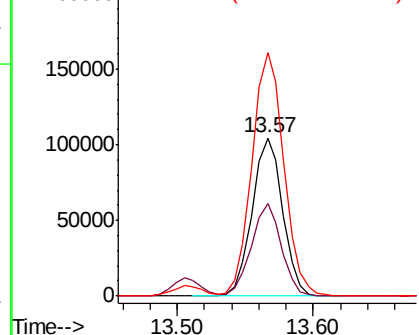


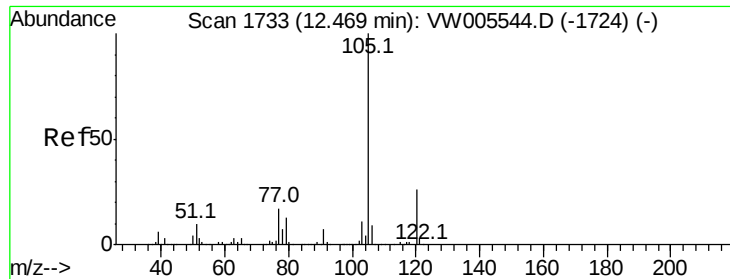
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW005579.D
Acq: 24 Sep 2018 12:47

Tgt Ion:152 Resp: 164376
Ion Ratio Lower Upper
152 100
115 57.5 30.0 90.0
150 161.2 0.0 348.6



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: 20.201 ug/l

RT: 12.48 min Scan# 1734

Delta R.T. 0.01 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Instrument :

MSVOA_W

ClientSampleId :

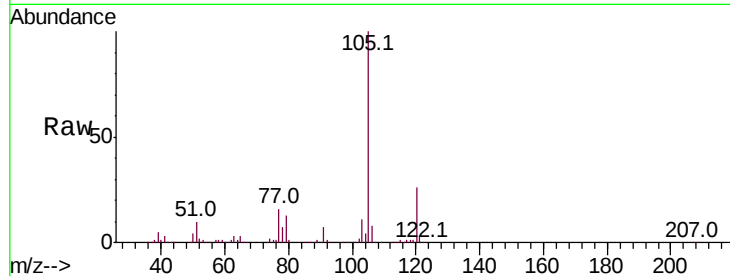
VW0924SBSD01

Tot Ion:105 Resp: 230267

Ion Ratio Lower Upper

105 100

120 26.0 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

100000

50000

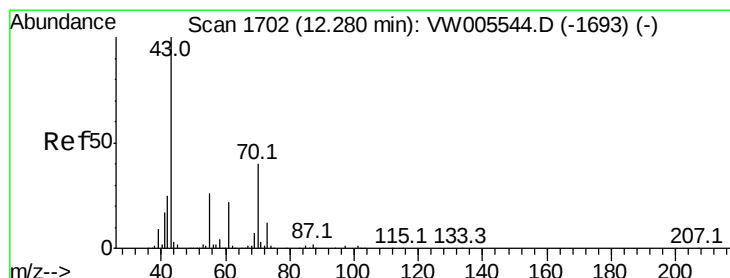
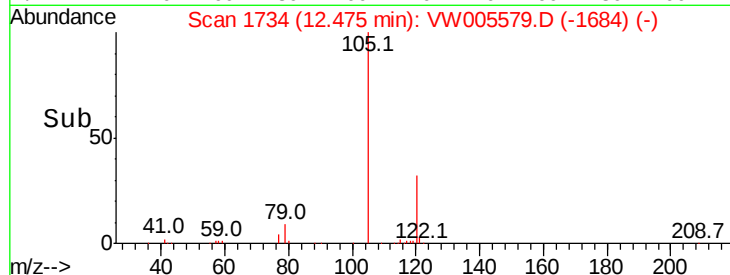
0

12.48

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 16.883 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Tgt Ion: 43 Resp: 43579

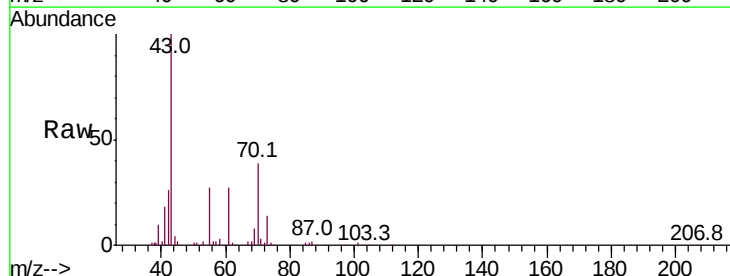
Ion Ratio Lower Upper

43 100

70 41.0 31.4 47.0

55 28.8 20.9 31.3

61 24.6 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

40000

30000

20000

10000

0

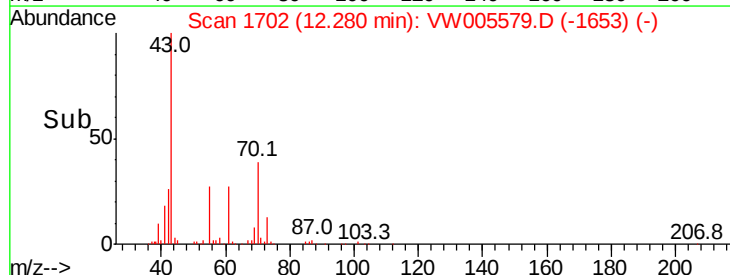
12.28

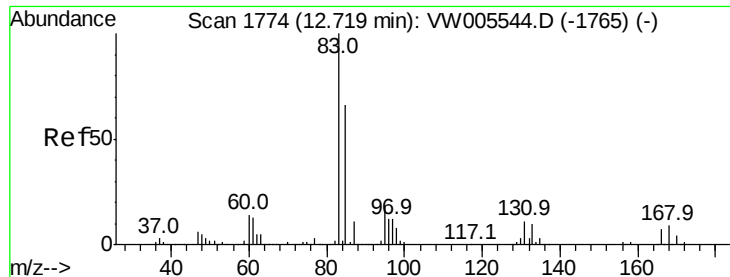
12.20

12.30

12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.038 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Instrument :

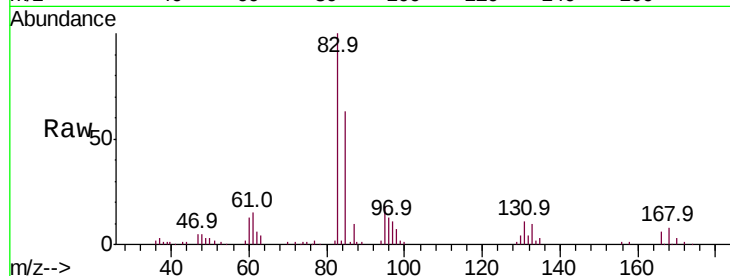
MSVOA_W

ClientSampleId :

VW0924SBSD01

Tot Ion: 83 Resp: 34154

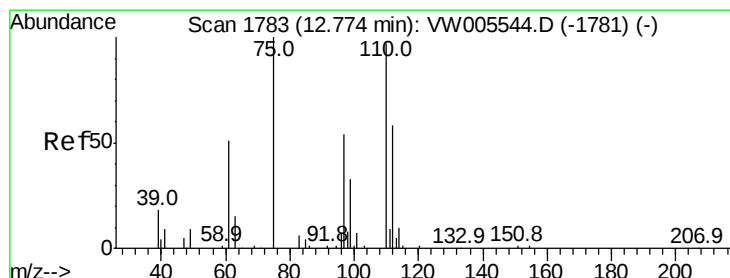
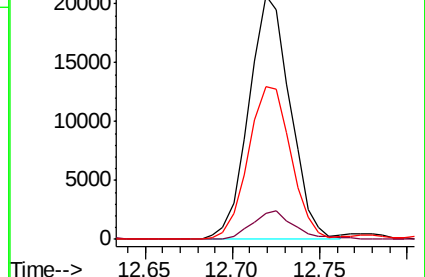
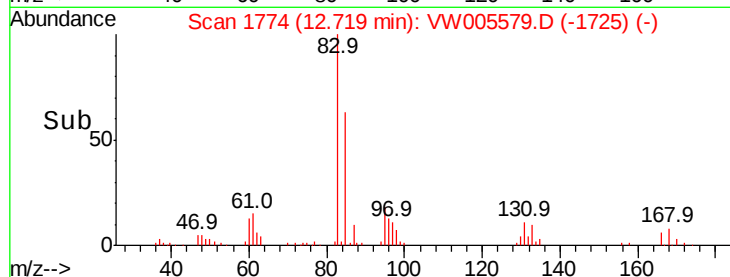
Ion	Ratio	Lower	Upper
83	100		
131	12.0	5.5	16.7
85	64.9	32.4	97.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 35.234 ug/l

RT: 12.77 min Scan# 1783

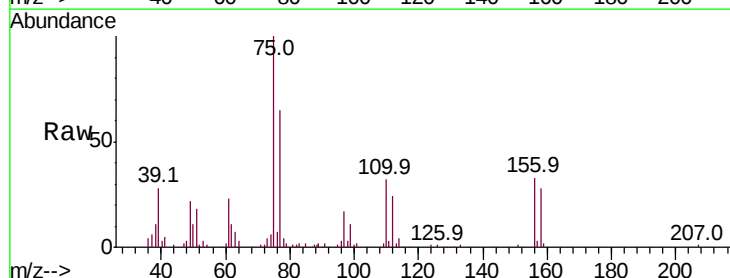
Delta R.T. -0.00 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

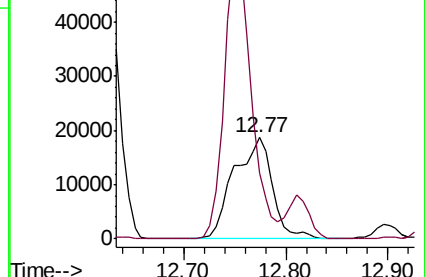
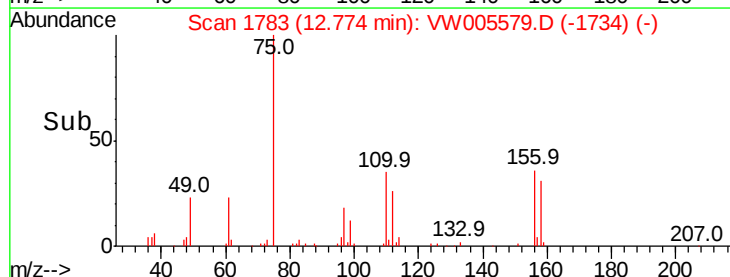
Tgt Ion: 75 Resp: 49370

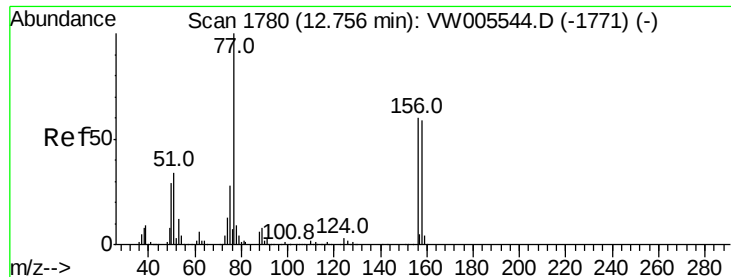
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.829 ug/l

RT: 12.76 min Scan# 1780

Delta R.T. -0.00 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Instrument :

MSVOA_W

ClientSampled :

VW0924SBSD01

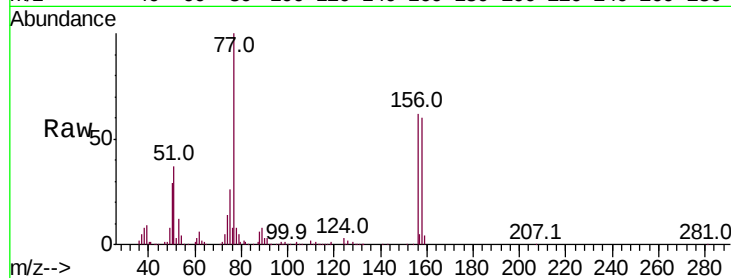
Tot Ion:156 Resp: 52978

Ion Ratio Lower Upper

156 100

77 182.6 94.7 284.1

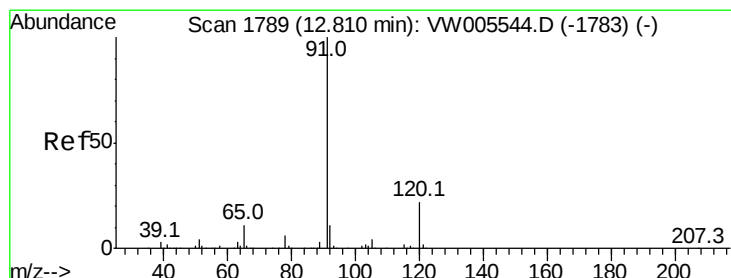
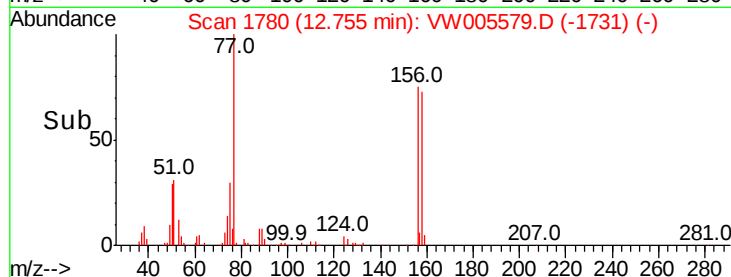
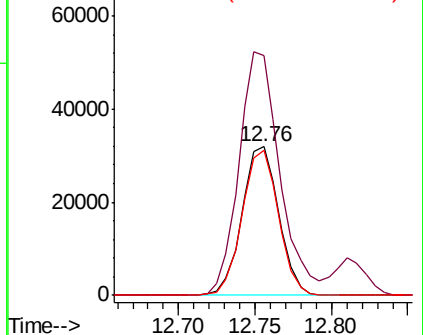
158 96.5 48.0 144.2



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: 20.415 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW005579.D

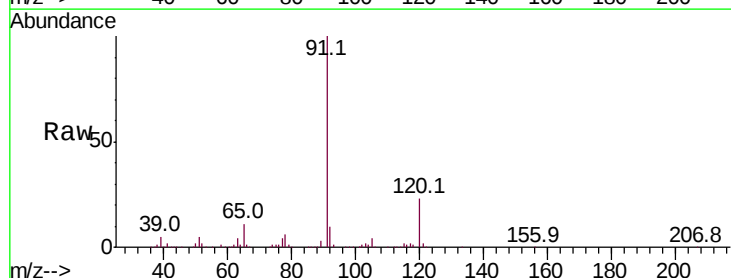
Acq: 24 Sep 2018 12:47

Tgt Ion: 91 Resp: 281736

Ion Ratio Lower Upper

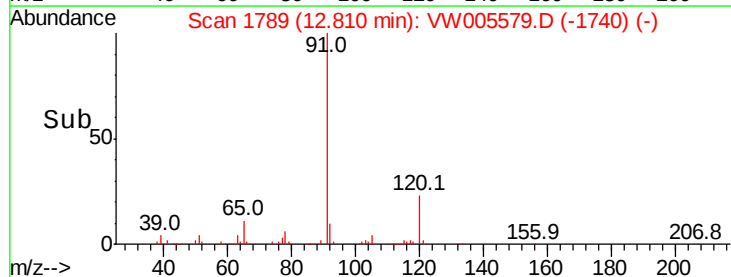
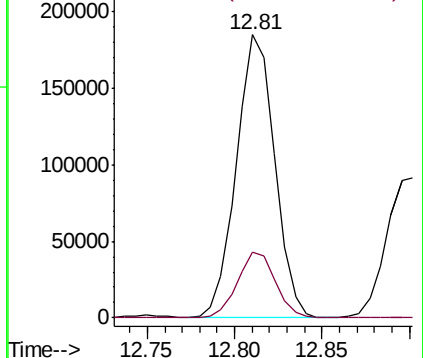
91 100

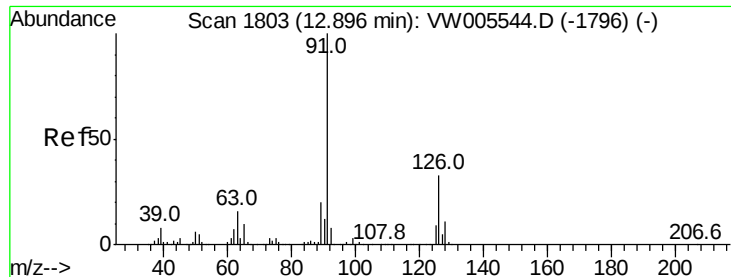
120 23.0 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.482 ug/l

RT: 12.90 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Instrument :

MSVOA_W

ClientSampleId :

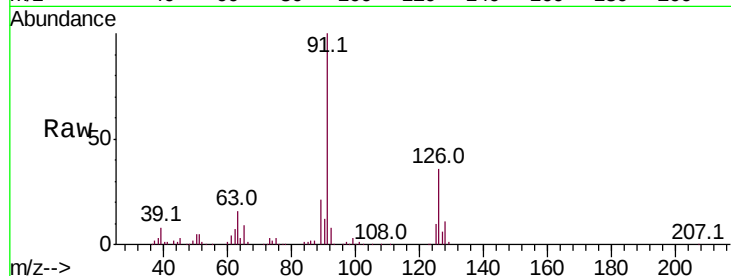
VW0924SBSD01

Tot Ion: 91 Resp: 155553

Ion Ratio Lower Upper

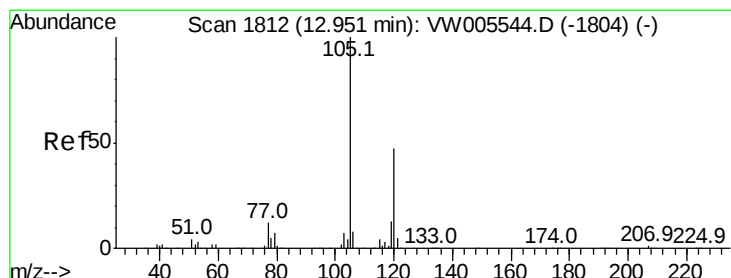
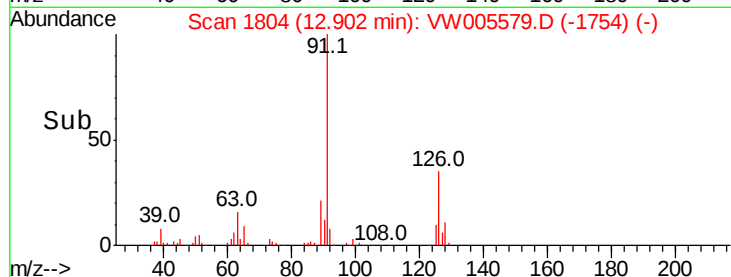
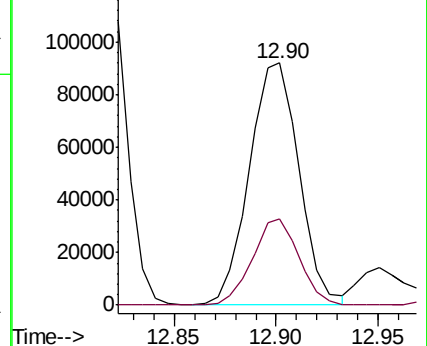
91 100

126 33.6 16.4 49.1



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: 19.763 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW005579.D

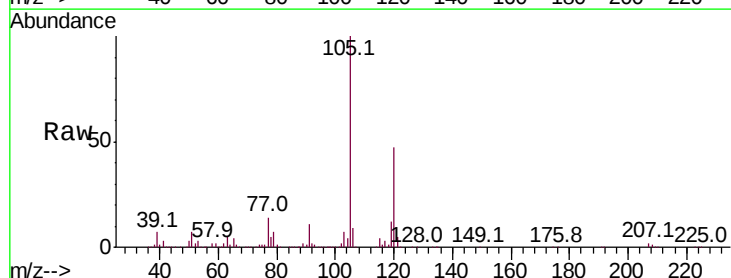
Acq: 24 Sep 2018 12:47

Tgt Ion:105 Resp: 195890

Ion Ratio Lower Upper

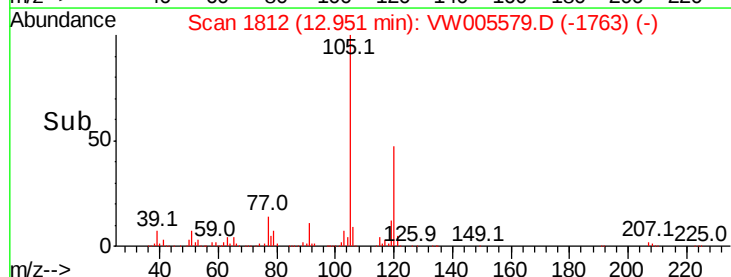
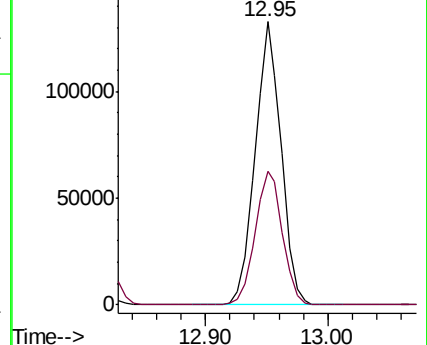
105 100

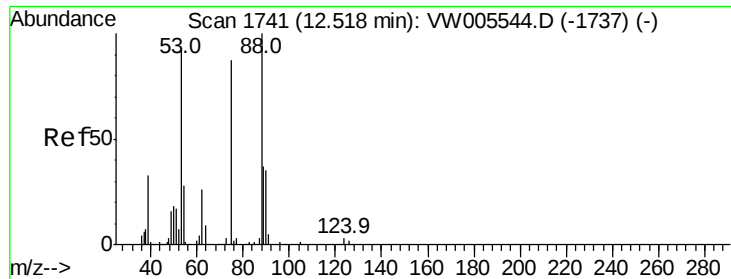
120 49.6 23.6 70.8



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: 18.935 ug/l

RT: 12.52 min Scan# 1742

Delta R.T. 0.01 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Instrument :

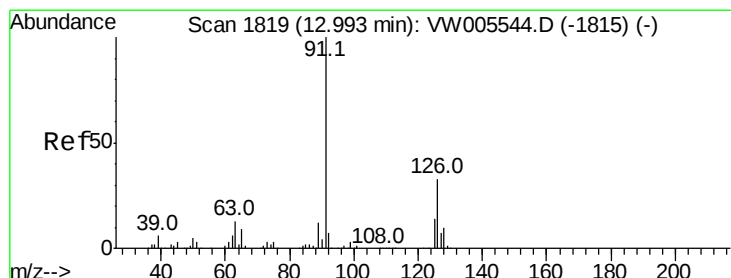
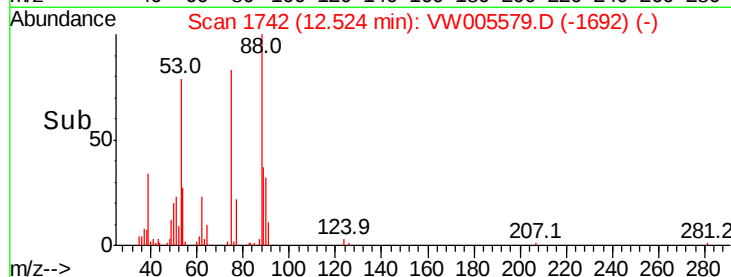
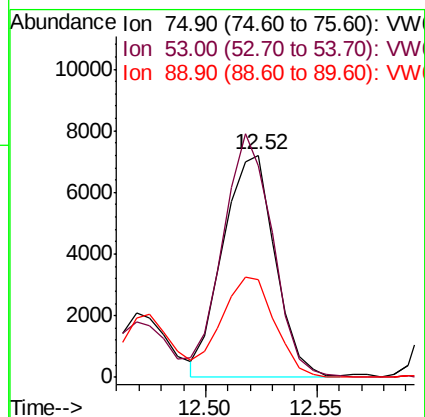
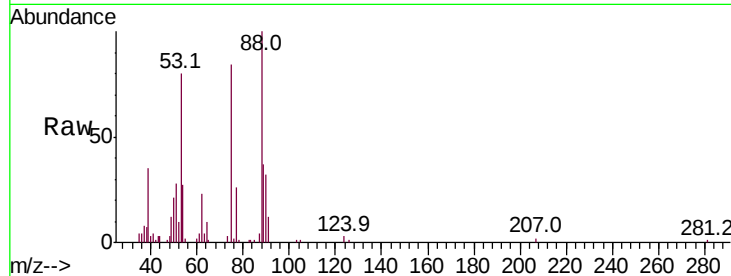
MSVOA_W

ClientSampleId :

VW0924SBSD01

Tot Ion: 75 Resp: 11780

Ion	Ratio	Lower	Upper
75	100		
53	105.9	85.8	128.6
89	46.1	37.3	55.9



#82

4-Chlorotoluene

Concen: 20.035 ug/l

RT: 12.99 min Scan# 1819

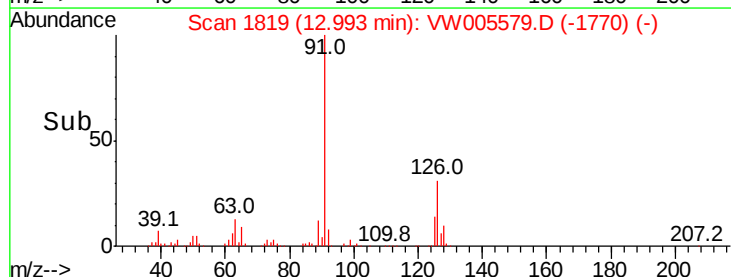
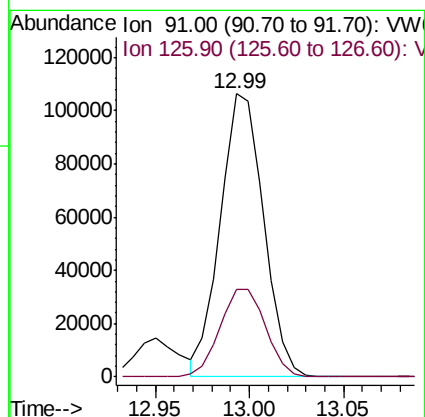
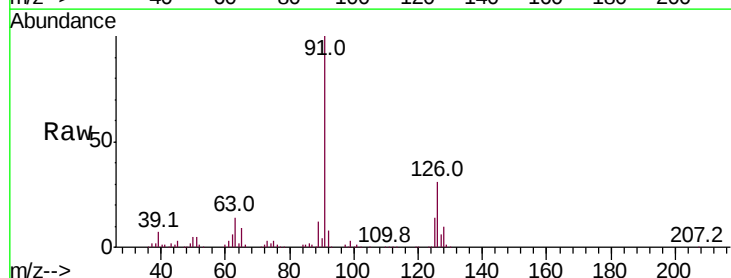
Delta R.T. -0.00 min

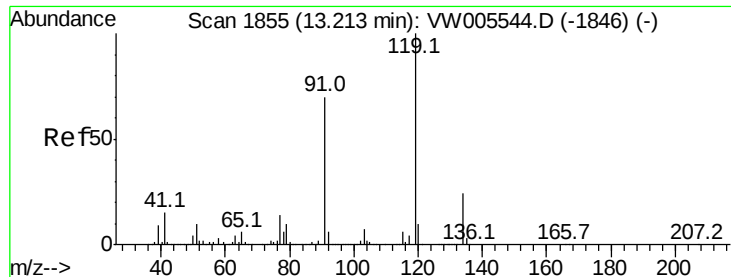
Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Tgt Ion: 91 Resp: 169019

Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.4	49.4





#83

tert-Butylbenzene

Concen: 19.421 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBSD01

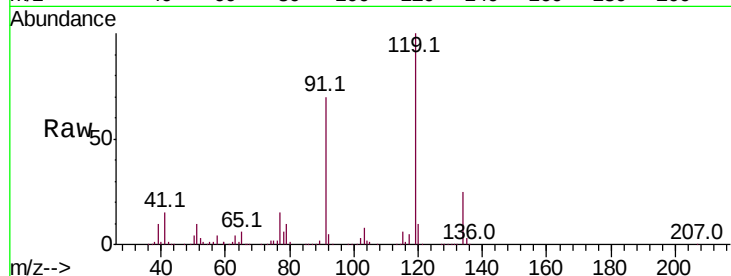
Tot Ion:119 Resp: 161722

Ion Ratio Lower Upper

119 100

91 69.0 34.6 103.8

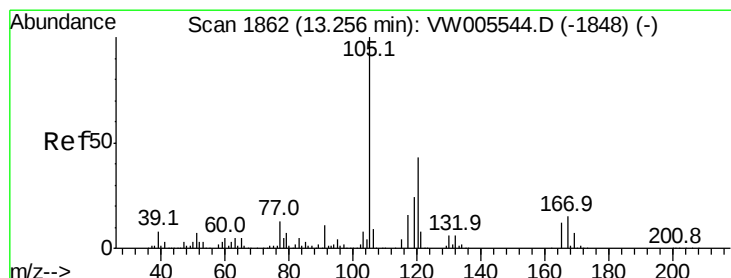
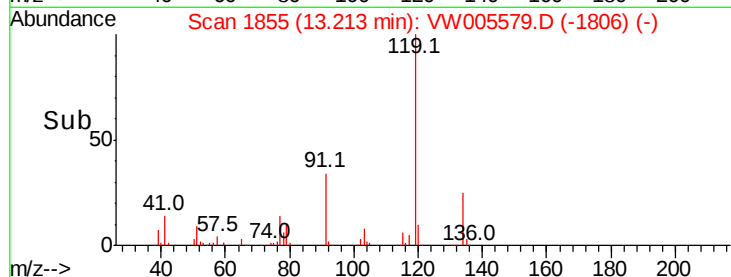
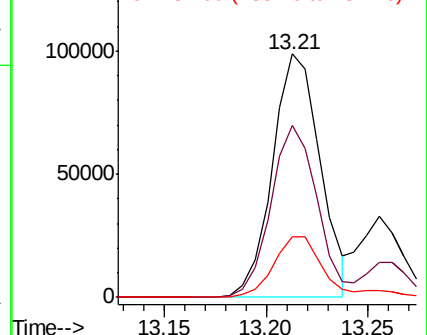
134 24.8 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.309 ug/l

RT: 13.26 min Scan# 1863

Delta R.T. 0.01 min

Lab File: VW005579.D

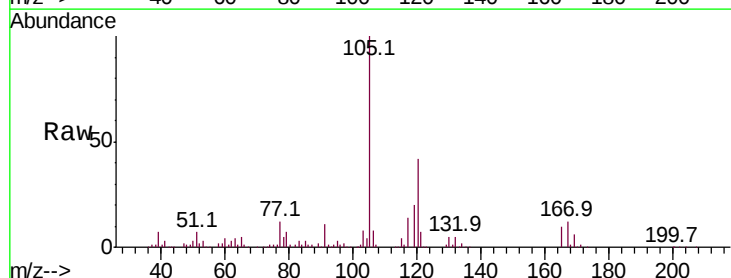
Acq: 24 Sep 2018 12:47

Tgt Ion:105 Resp: 203137

Ion Ratio Lower Upper

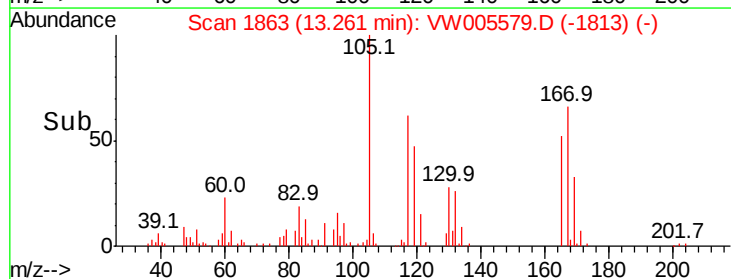
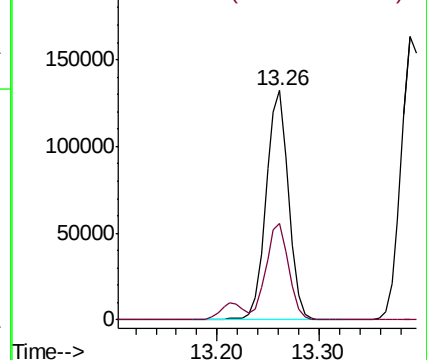
105 100

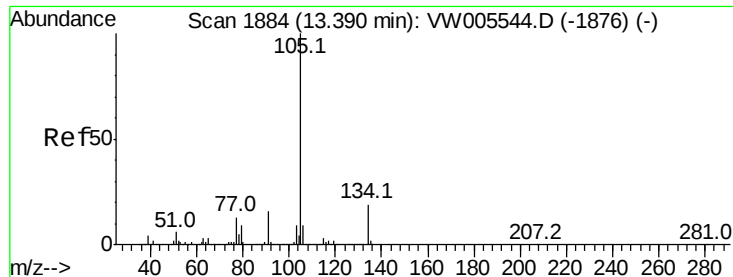
120 42.2 21.5 64.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.317 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Instrument :

MSVOA_W

ClientSampleId :

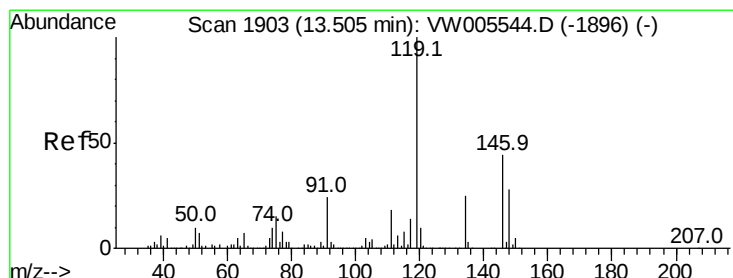
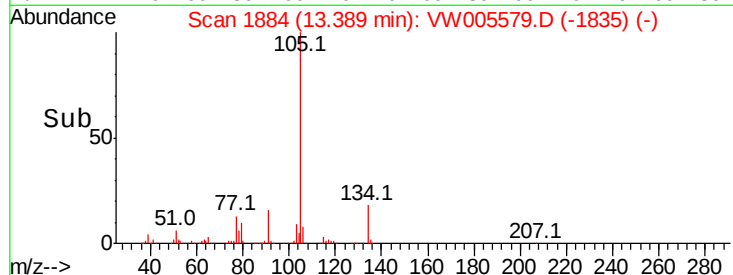
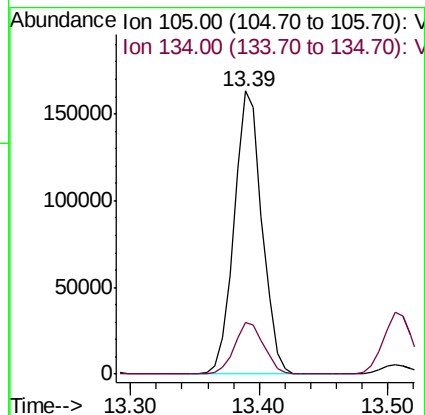
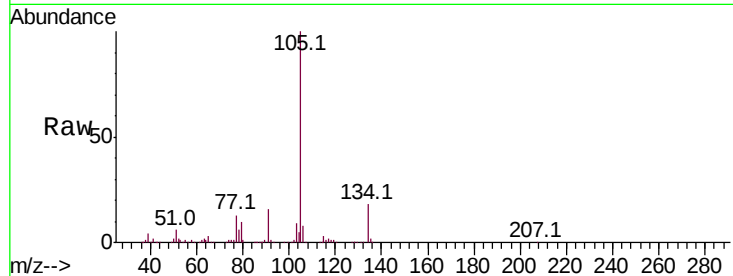
VW0924SBSD01

Tot Ion:105 Resp: 245376

Ion Ratio Lower Upper

105 100

134 19.2 9.8 29.5



#86

p-Isopropyltoluene

Concen: 21.011 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

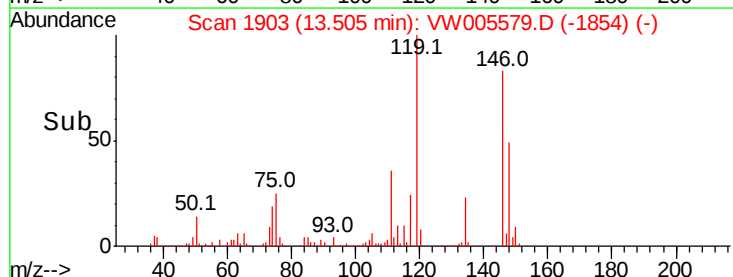
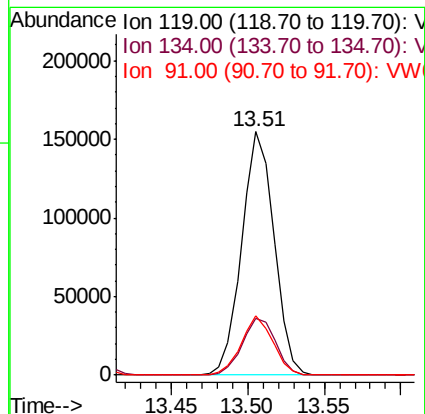
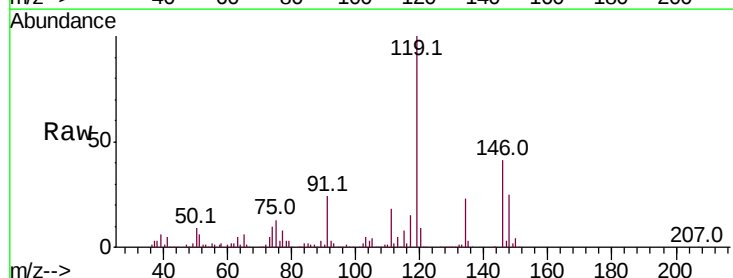
Tgt Ion:119 Resp: 227450

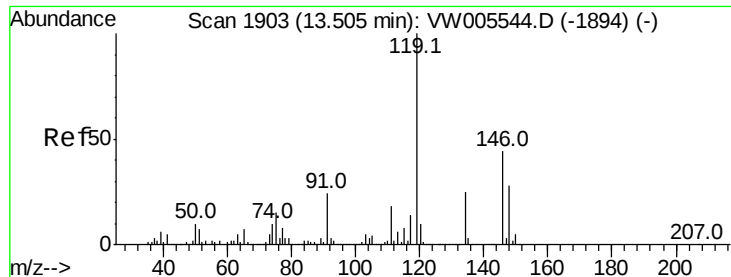
Ion Ratio Lower Upper

119 100

134 24.1 12.7 38.1

91 23.5 12.2 36.4





#87

1,3-Dichlorobenzene

Concen: 19.391 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

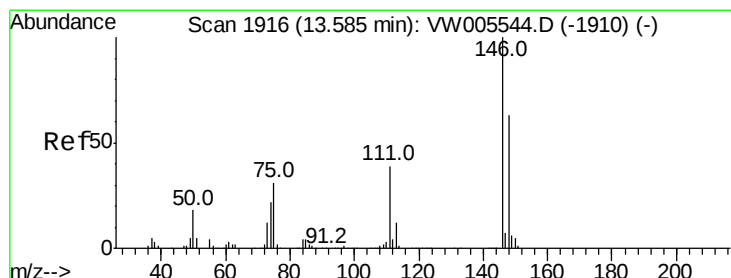
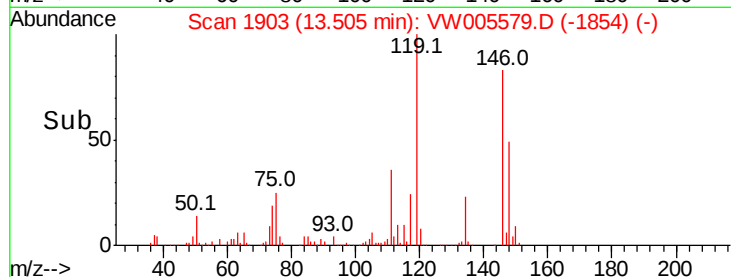
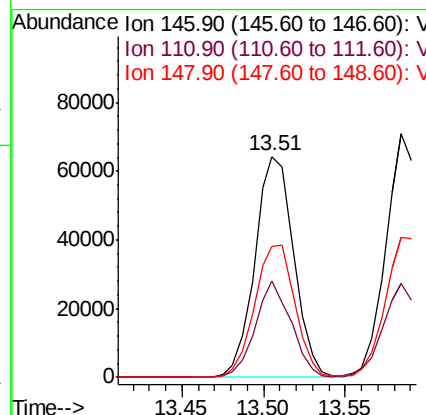
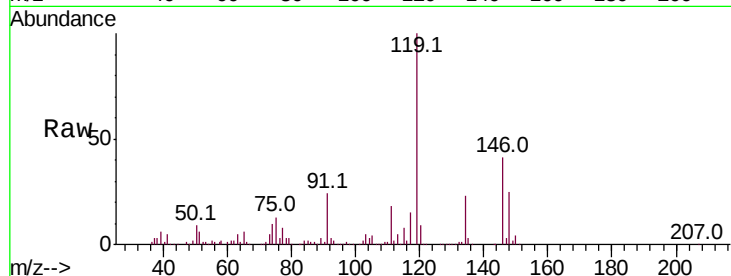
Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBSD01

Tot Ion:146 Resp: 105932

Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.3	60.9
148	62.5	31.8	95.4



#88

1,4-Dichlorobenzene

Concen: 19.963 ug/l

RT: 13.58 min Scan# 1916

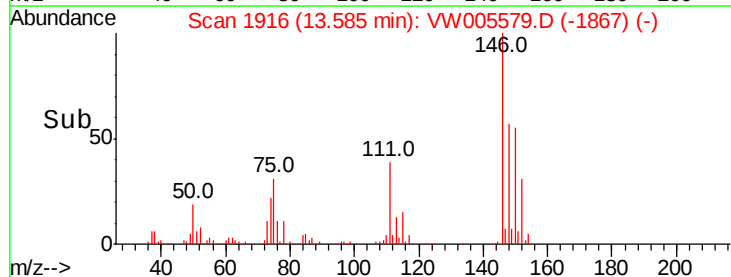
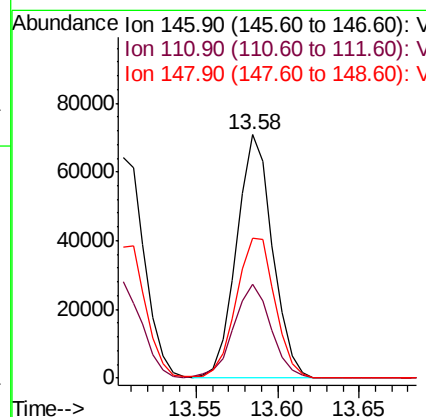
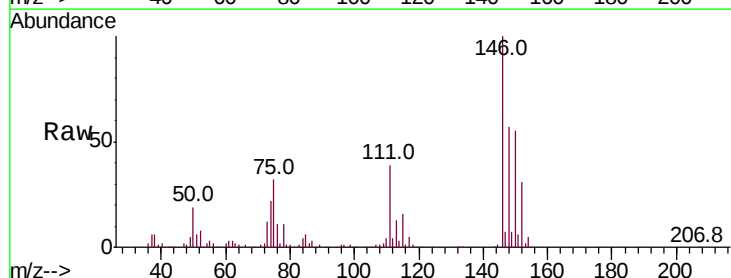
Delta R.T. -0.00 min

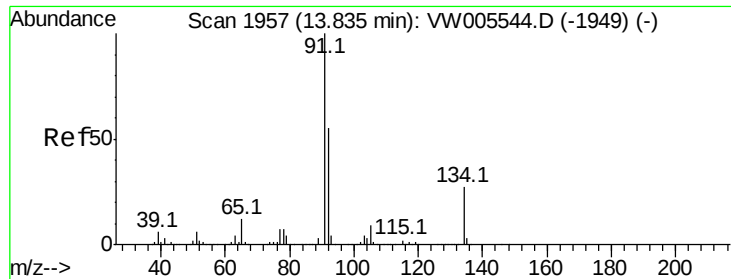
Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Tgt Ion:146 Resp: 108464

Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.9	59.7
148	62.5	32.1	96.3





#89

n-Butylbenzene

Concen: 20.527 ug/l

RT: 13.83 min Scan# 1957

Delta R.T. -0.00 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBSD01

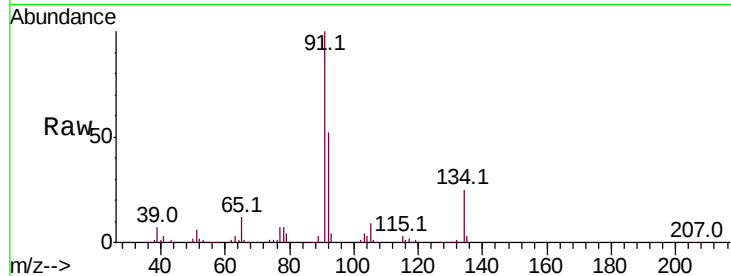
Tot Ion: 91 Resp: 209591

Ion Ratio Lower Upper

91 100

92 51.9 26.5 79.5

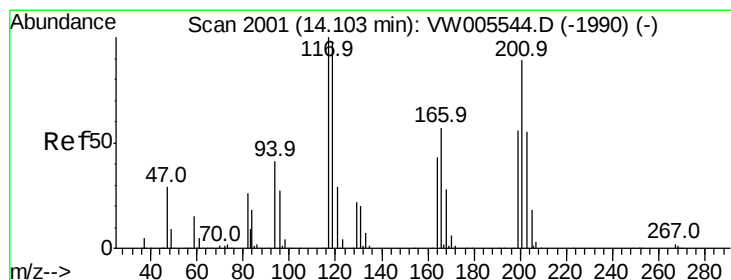
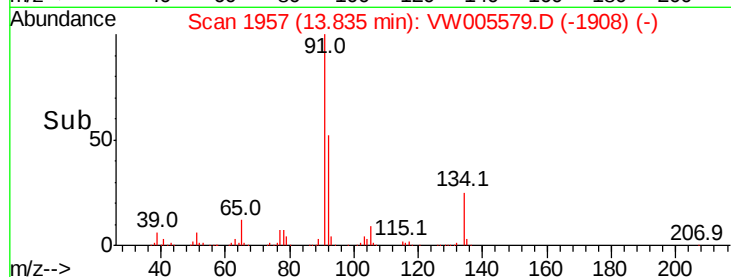
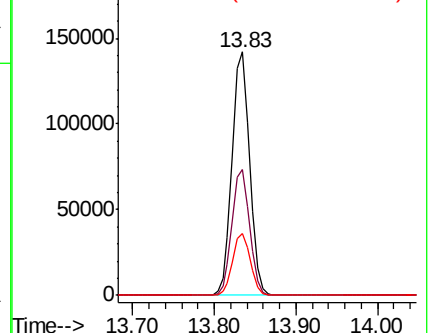
134 25.5 12.9 38.7



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: 20.158 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. -0.00 min

Lab File: VW005579.D

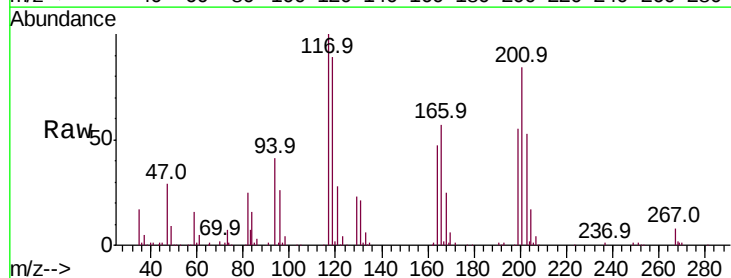
Acq: 24 Sep 2018 12:47

Tgt Ion: 117 Resp: 39550

Ion Ratio Lower Upper

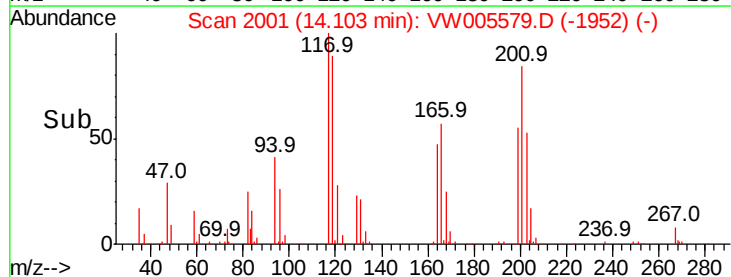
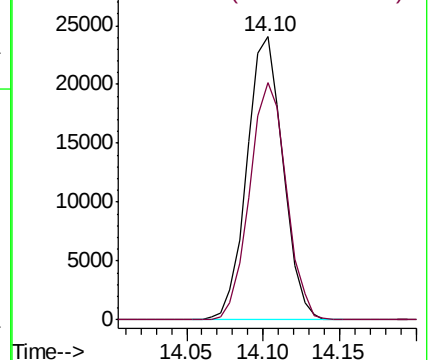
117 100

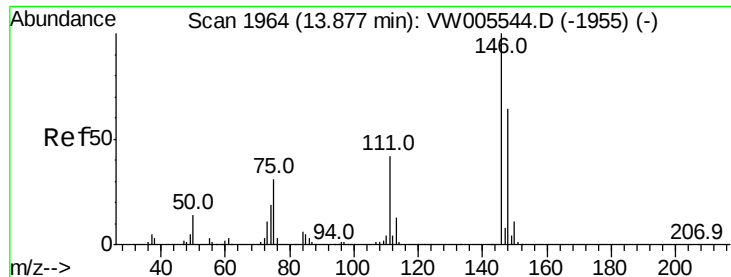
201 85.3 42.8 128.3



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 20.176 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBSD01

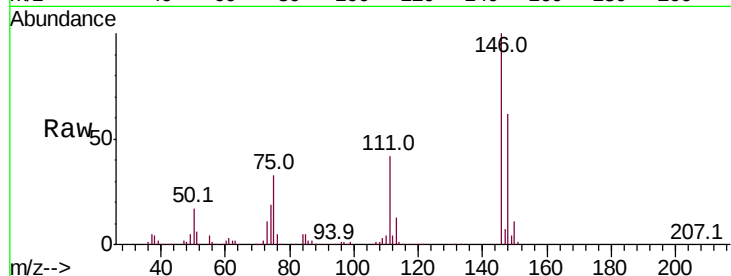
Tot Ion:146 Resp: 97303

Ion Ratio Lower Upper

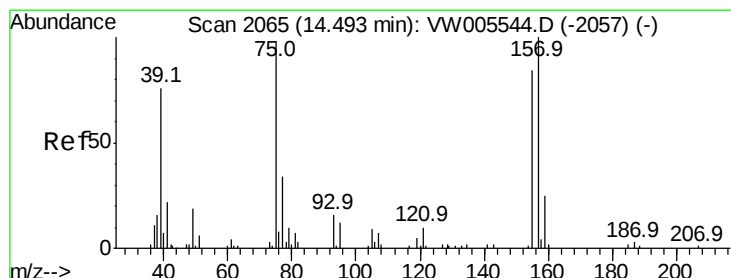
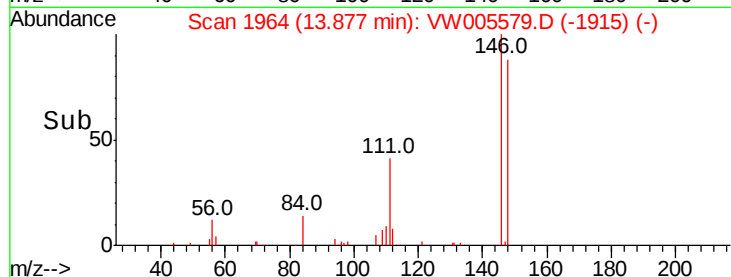
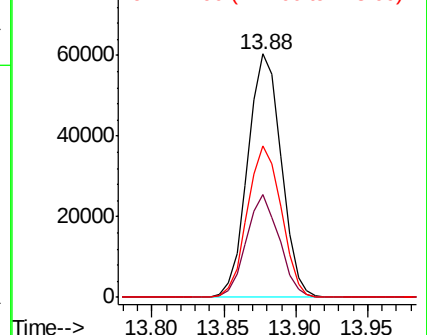
146 100

111 41.3 21.3 63.9

148 63.0 32.0 96.2



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: 18.071 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. -0.00 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

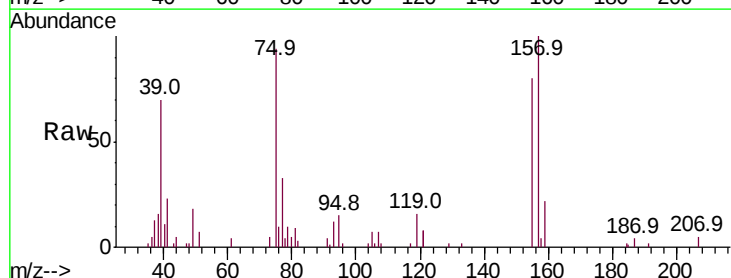
Tgt Ion: 75 Resp: 6519

Ion Ratio Lower Upper

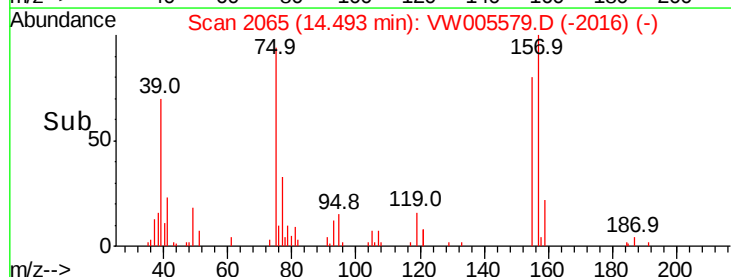
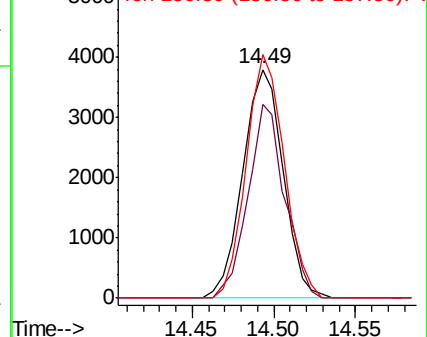
75 100

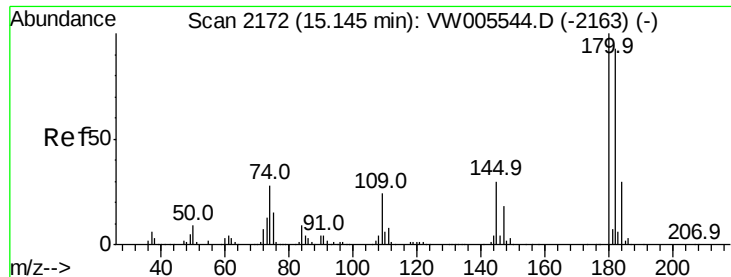
155 77.7 39.1 117.5

157 100.7 50.8 152.4



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

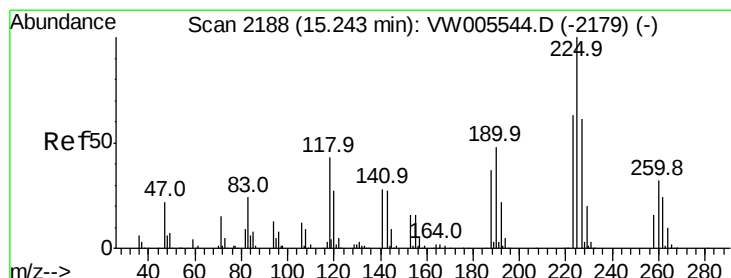
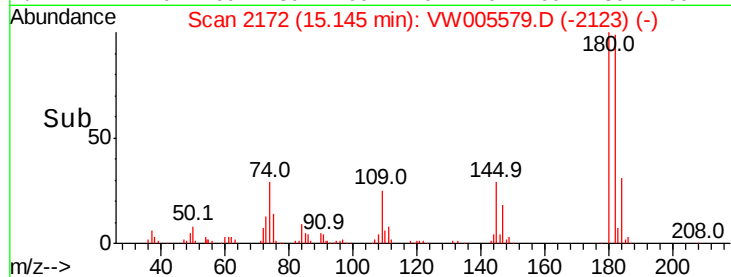
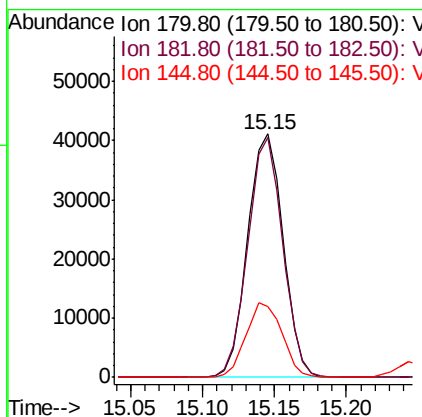
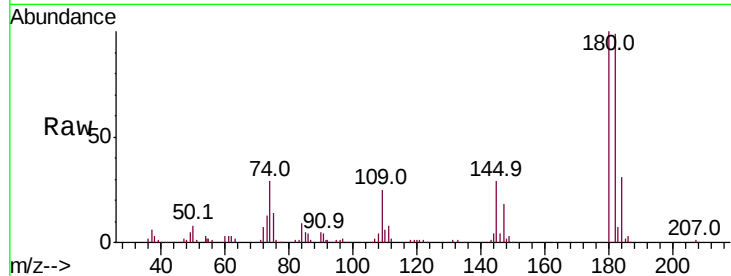




#93
 1,2,4-Trichlorobenzene
 Concen: 20.307 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. -0.00 min
 Lab File: VW005579.D
 Acq: 24 Sep 2018 12:47

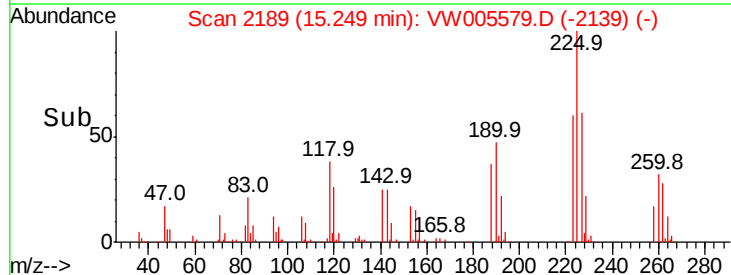
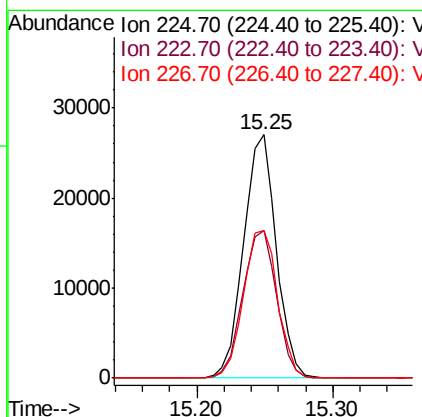
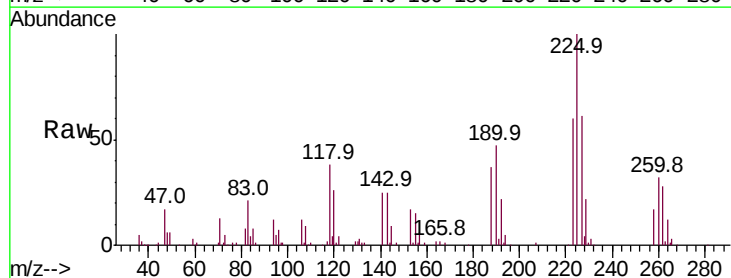
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0924SBSD01

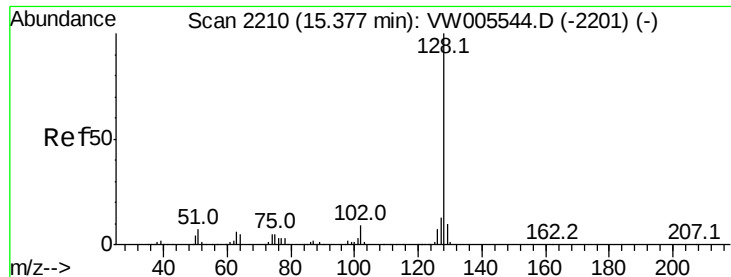
Tot Ion:180 Resp: 69861
 Ion Ratio Lower Upper
 180 100
 182 97.0 47.7 143.1
 145 31.3 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 20.389 ug/l
 RT: 15.25 min Scan# 2189
 Delta R.T. 0.01 min
 Lab File: VW005579.D
 Acq: 24 Sep 2018 12:47

Tgt Ion:225 Resp: 45443
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.1 93.3
 227 63.7 31.8 95.3





#95

Naphthalene

Concen: 19.169 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBSD01

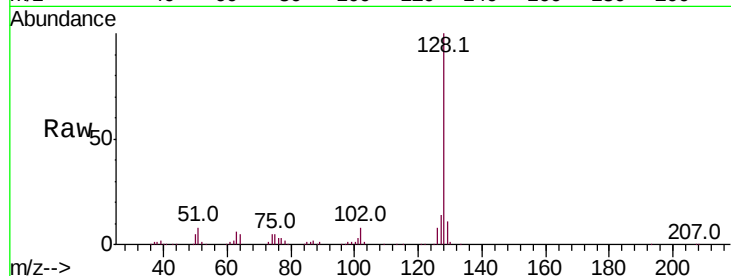
Tot Ion:128 Resp: 110923

Ion Ratio Lower Upper

128 100

127 13.8 10.9 16.3

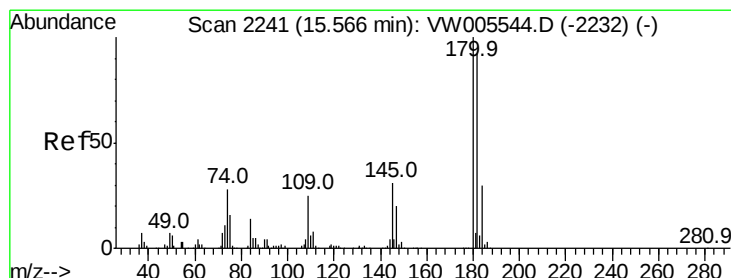
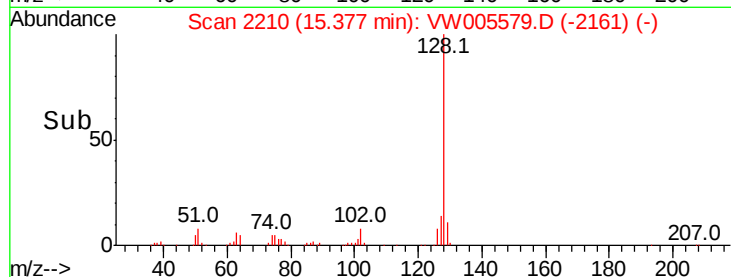
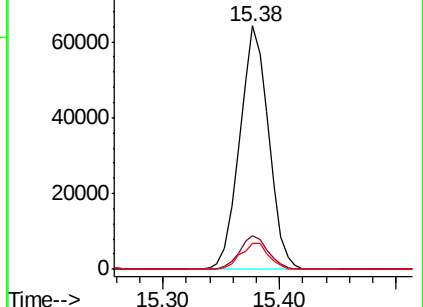
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.016 ug/l

RT: 15.57 min Scan# 2241

Delta R.T. -0.00 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

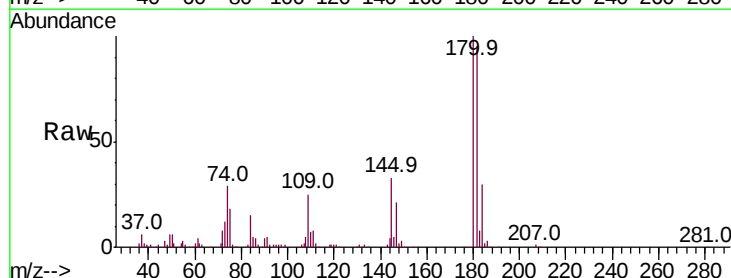
Tgt Ion:180 Resp: 60683

Ion Ratio Lower Upper

180 100

182 95.4 47.3 141.9

145 32.1 16.0 47.9



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

