

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102918\
 Data File : VW006425.D
 Acq On : 27 Oct 2018 02:15
 Operator : SY/AP
 Sample : VW1029SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1029SBS01

Quant Time: Oct 27 04:51:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	208675	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	303848	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	280955	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	156510	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	84451	48.81	ug/l	0.00
Spiked Amount			Recovery	=	97.62%	
35) Dibromofluoromethane	7.88	113	89613	49.91	ug/l	0.00
Spiked Amount			Recovery	=	99.82%	
50) Toluene-d8	10.32	98	329305	48.21	ug/l	0.00
Spiked Amount			Recovery	=	96.42%	
62) 4-Bromofluorobenzene	12.62	95	124267	48.44	ug/l	0.00
Spiked Amount			Recovery	=	96.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	18822	18.227	ug/l	96
3) Chloromethane	2.21	50	27710	20.846	ug/l	99
4) Vinyl Chloride	2.37	62	39560	20.840	ug/l	98
5) Bromomethane	2.79	94	36107	20.912	ug/l	97
6) Chloroethane	2.93	64	31187	22.925	ug/l	98
7) Trichlorofluoromethane	3.26	101	36715	20.762	ug/l	95
8) Diethyl Ether	3.68	74	19378	20.619	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	40001	21.584	ug/l	99
10) Methyl Iodide	4.27	142	67189	21.782	ug/l	98
11) Tert butyl alcohol	5.24	59	11891	102.198	ug/l #	71
12) 1,1-Dichloroethene	4.03	96	37746	21.649	ug/l	95
13) Acrolein	3.90	56	10618	94.310	ug/l	97
14) Allyl chloride	4.67	41	50378	20.208	ug/l	99
15) Acrylonitrile	5.38	53	37981	112.672	ug/l	100
16) Acetone	4.15	43	35332	99.976	ug/l	99
17) Carbon Disulfide	4.37	76	94296	17.920	ug/l	100
18) Methyl Acetate	4.67	43	19567	22.475	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	56416	21.244	ug/l	97
20) Methylene Chloride	4.90	84	44963	23.706	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	42820	22.003	ug/l	98
22) Diisopropyl ether	6.31	45	110083	22.345	ug/l	98
23) Vinyl Acetate	6.26	43	298053	102.515	ug/l	98
24) 1,1-Dichloroethane	6.21	63	73405	23.091	ug/l	99
25) 2-Butanone	7.18	43	50164	107.334	ug/l	99
26) 2,2-Dichloropropane	7.16	77	43272	19.300	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	50209	23.379	ug/l	98
28) Bromochloromethane	7.51	49	24845	20.245	ug/l	96
29) Tetrahydrofuran	7.54	42	31151	108.435	ug/l	99
30) Chloroform	7.68	83	81711	23.593	ug/l	100
31) Cyclohexane	7.95	56	62074	19.608	ug/l	95
32) 1,1,1-Trichloroethane	7.88	97	67518	21.611	ug/l	99
36) 1,1-Dichloropropene	8.08	75	61391	21.920	ug/l	100
37) Ethyl Acetate	7.26	43	22247	21.380	ug/l	99
38) Carbon Tetrachloride	8.07	117	62306	20.294	ug/l	96

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Quant Time: Oct 27 04:51:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	75764	20.351	ug/l	98
40) Benzene	8.32	78	176447	22.968	ug/l	99
41) Methacrylonitrile	7.49	41	12434	19.822	ug/l	90
42) 1,2-Dichloroethane	8.40	62	50758	22.488	ug/l	100
43) Isopropyl Acetate	8.43	43	43614	20.500	ug/l	100
44) Trichloroethene	9.09	130	53380	22.648	ug/l	96
45) 1,2-Dichloropropane	9.37	63	41711	22.690	ug/l	97
46) Dibromomethane	9.46	93	24174	23.072	ug/l	99
47) Bromodichloromethane	9.65	83	53847	21.198	ug/l	99
48) Methyl methacrylate	9.44	41	20671	20.497	ug/l	94
49) 1,4-Dioxane	9.49	88	7546	467.826	ug/l #	100
51) 4-Methyl-2-Pentanone	10.21	43	112915	105.926	ug/l	98
52) Toluene	10.39	92	116941	22.705	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	50821	20.080	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	60074	20.682	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	34480	23.516	ug/l	97
56) Ethyl methacrylate	10.65	69	37418	20.817	ug/l	97
57) 1,3-Dichloropropane	10.93	76	54990	22.656	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	75608	110.082	ug/l	99
59) 2-Hexanone	10.98	43	75932	99.788	ug/l	97
60) Dibromochloromethane	11.13	129	37780	20.686	ug/l	100
61) 1,2-Dibromoethane	11.24	107	33291	22.724	ug/l	98
64) Tetrachloroethene	10.87	164	50349	23.085	ug/l	98
65) Chlorobenzene	11.66	112	136827	22.750	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	45879	21.465	ug/l	99
67) Ethyl Benzene	11.73	91	231495	22.210	ug/l	99
68) m/p-Xylenes	11.84	106	181818	44.133	ug/l	99
69) o-Xylene	12.17	106	85885	21.874	ug/l	98
70) Styrene	12.18	104	140874	22.064	ug/l	99
71) Bromoform	12.35	173	22690	19.032	ug/l #	98
73) Isopropylbenzene	12.47	105	240952	21.792	ug/l	99
74) N-amyl acetate	12.28	43	40789	18.993	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.72	83	37903	22.538	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	47077	39.381	ug/l #	100
77) Bromobenzene	12.75	156	61109	22.564	ug/l	98
78) n-propylbenzene	12.81	91	281868	21.912	ug/l	100
79) 2-Chlorotoluene	12.90	91	160804	22.248	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	201734	21.642	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	8450	16.897	ug/l	90
82) 4-Chlorotoluene	12.99	91	170083	22.464	ug/l	100
83) tert-Butylbenzene	13.21	119	181048	21.709	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	206656	21.910	ug/l	99
85) sec-Butylbenzene	13.39	105	254461	21.598	ug/l	100
86) p-Isopropyltoluene	13.51	119	229344	21.521	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	122516	22.731	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	121493	22.639	ug/l	99
89) n-Butylbenzene	13.83	91	209250	21.470	ug/l	99
90) Hexachloroethane	14.10	117	35266	19.537	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	108865	22.644	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	5717	18.987	ug/l	95

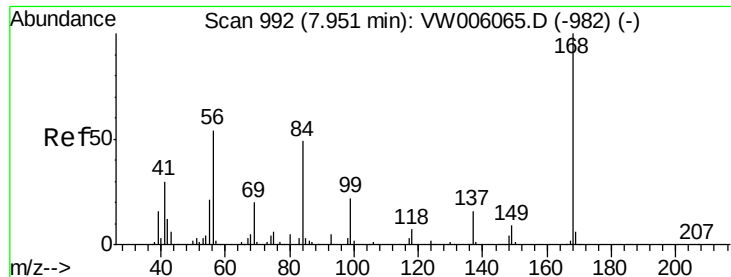
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW102918\
Data File : VW006425.D
Acq On : 27 Oct 2018 02:15
Operator : SY/AP
Sample : VW1029SBSD01
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Instrument :
MSVOA_W
ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Thu Oct 18 17:01:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	81714	22.089	ug/l	100
94) Hexachlorobutadiene	15.24	225	51092	21.986	ug/l	99
95) Naphthalene	15.38	128	130358	21.184	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	72719	22.727	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006425.D

Acq: 27 Oct 2018 02:15

Instrument :

MSVOA_W

ClientSampleId :

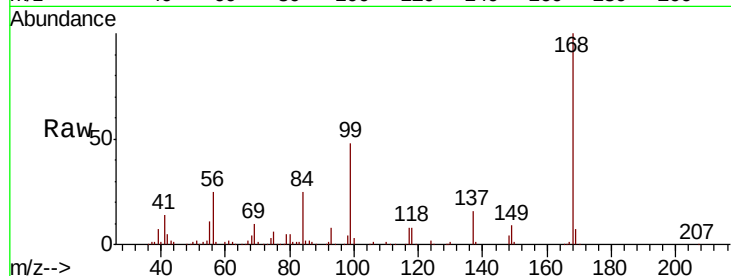
VW1029SBSD01

Tgt Ion:168 Resp: 208675

Ion Ratio Lower Upper

168 100

99 48.2 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

40000

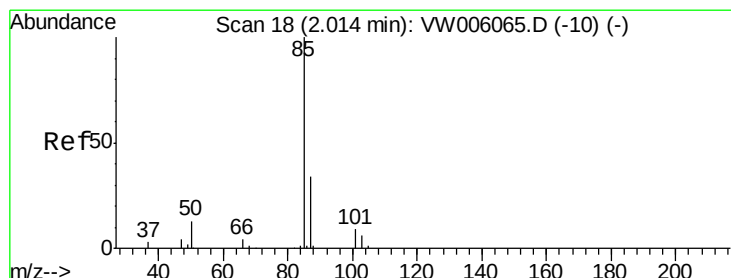
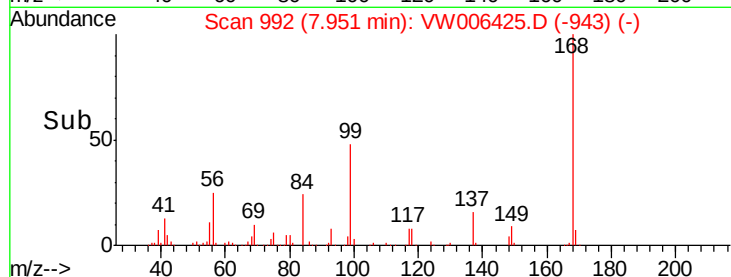
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 18.227 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW006425.D

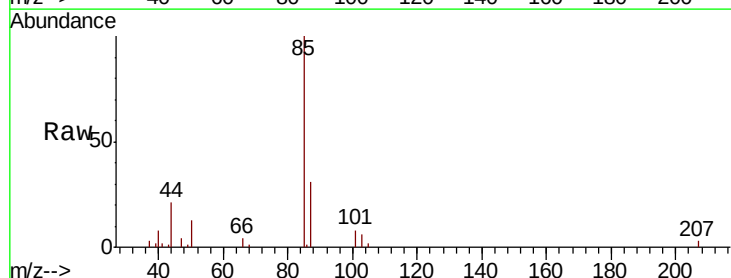
Acq: 27 Oct 2018 02:15

Tgt Ion: 85 Resp: 18822

Ion Ratio Lower Upper

85 100

87 31.5 16.9 50.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

6000

5000

4000

3000

2000

1000

0

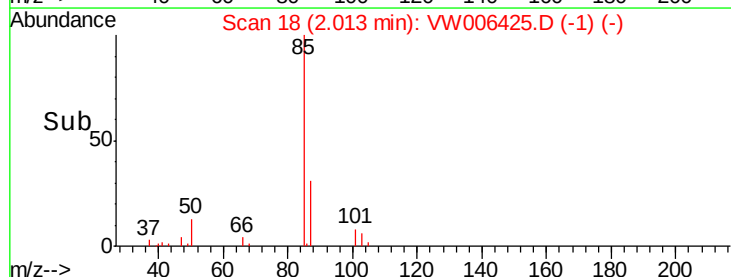
1.90

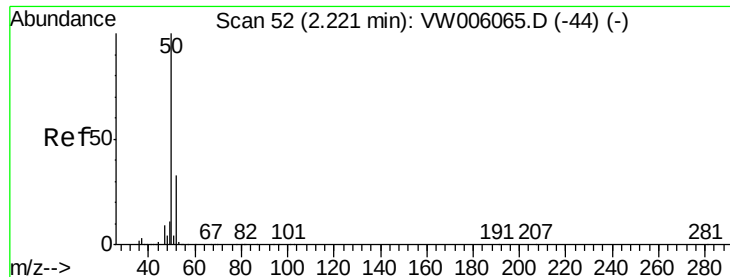
2.00

2.10

2.20

Time-->





#3

Chloromethane

Concen: 20.846 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006425.D

Acq: 27 Oct 2018 02:15

Instrument :

MSVOA_W

ClientSampleId :

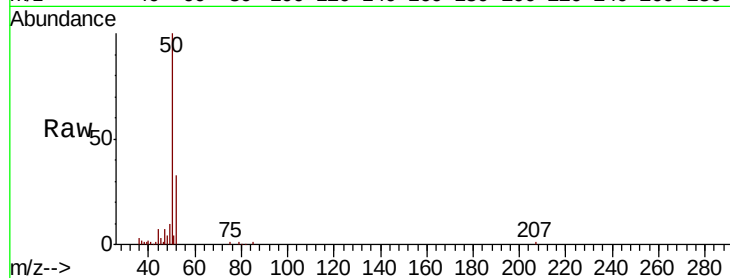
VW1029SBSD01

Tgt Ion: 50 Resp: 27710

Ion Ratio Lower Upper

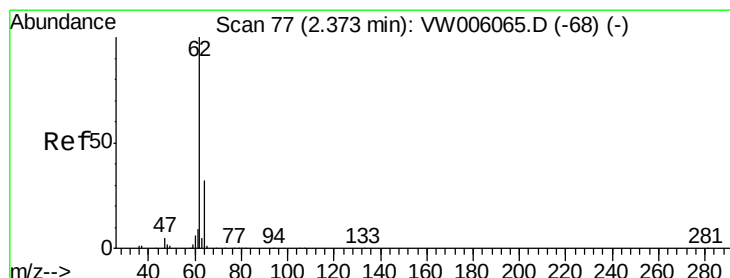
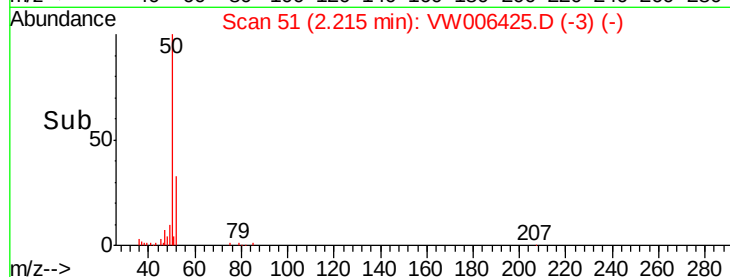
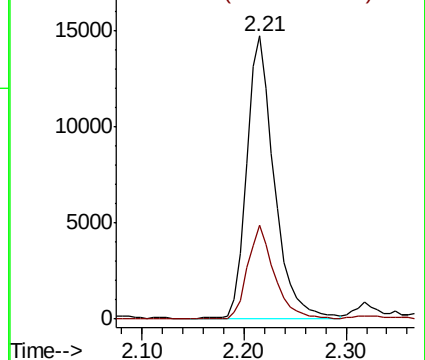
50 100

52 33.1 26.8 40.2



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 20.840 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW006425.D

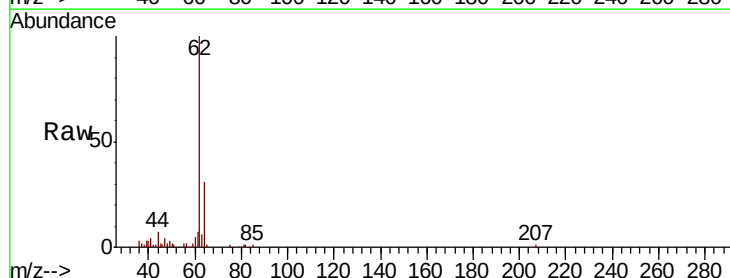
Acq: 27 Oct 2018 02:15

Tgt Ion: 62 Resp: 39560

Ion Ratio Lower Upper

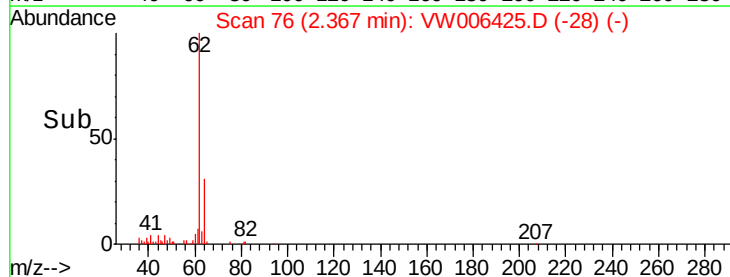
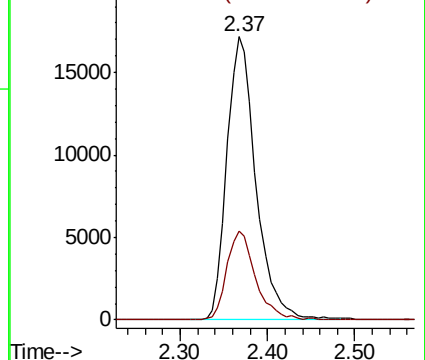
62 100

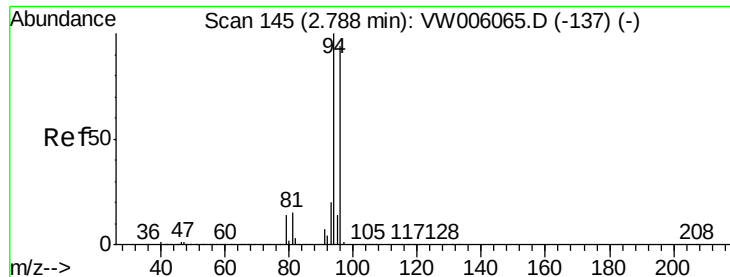
64 31.3 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 20.912 ug/l

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW006425.D

Acq: 27 Oct 2018 02:15

Instrument :

MSVOA_W

ClientSampleId :

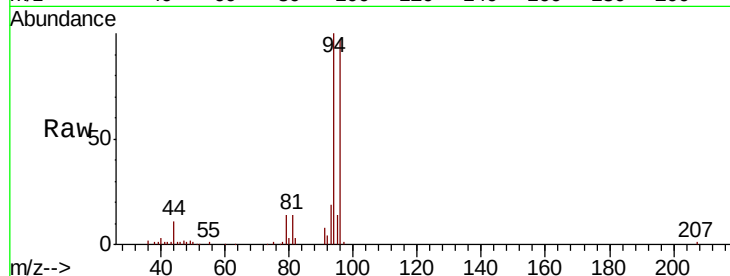
VW1029SBSD01

Tgt Ion: 94 Resp: 36107

Ion Ratio Lower Upper

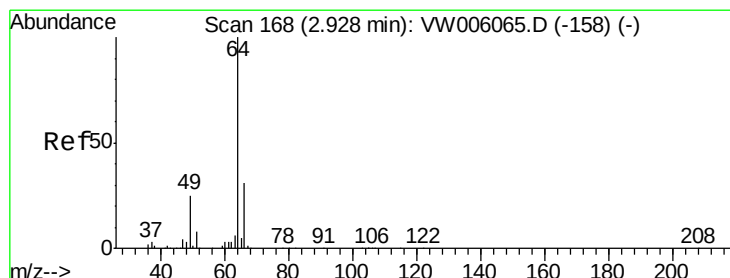
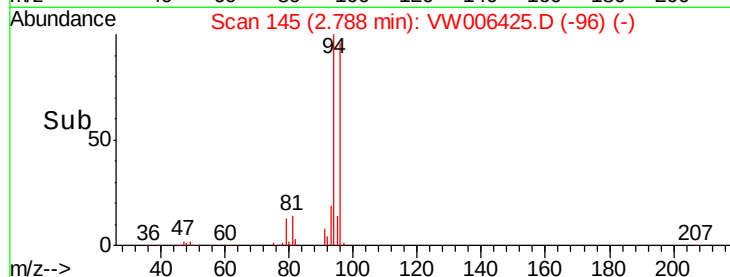
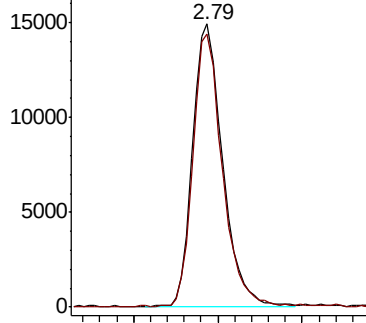
94 100

96 96.2 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 22.925 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW006425.D

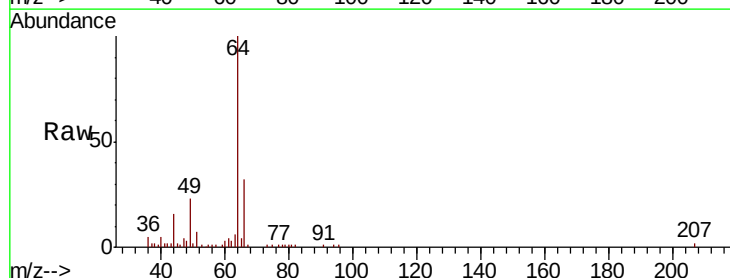
Acq: 27 Oct 2018 02:15

Tgt Ion: 64 Resp: 31187

Ion Ratio Lower Upper

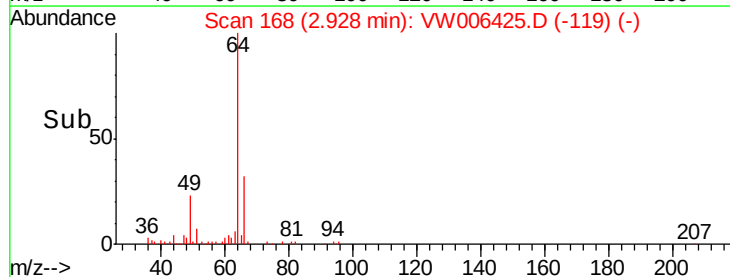
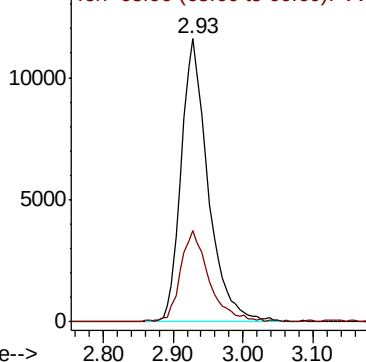
64 100

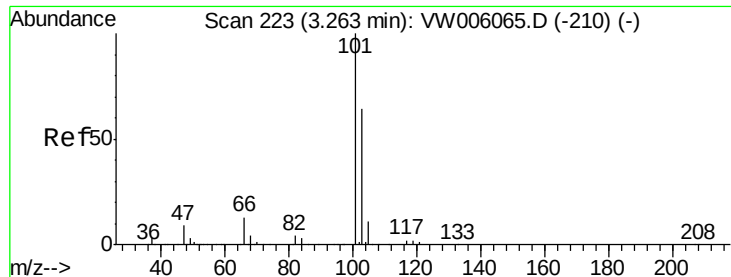
66 32.2 24.9 37.3



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



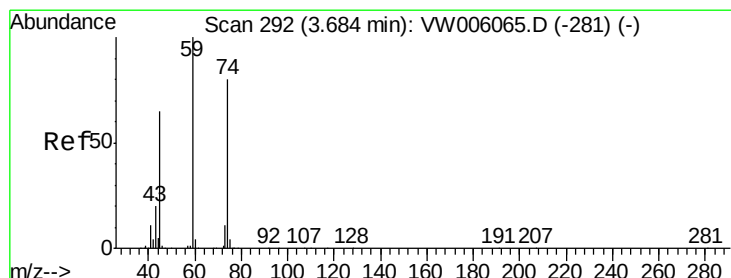
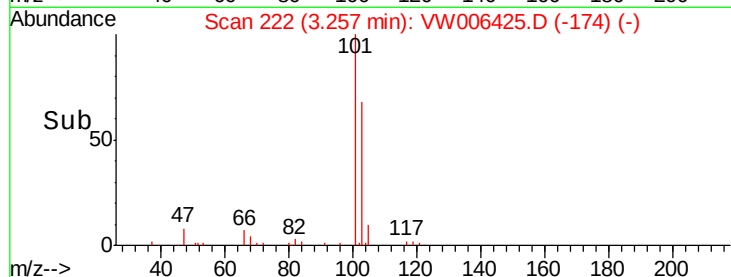
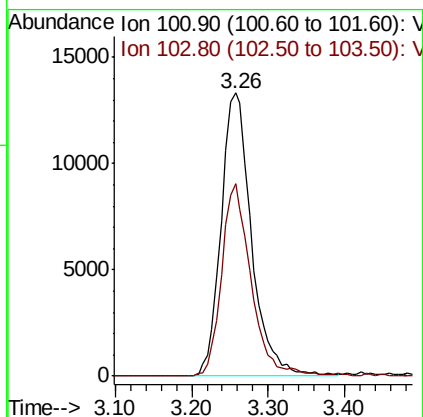
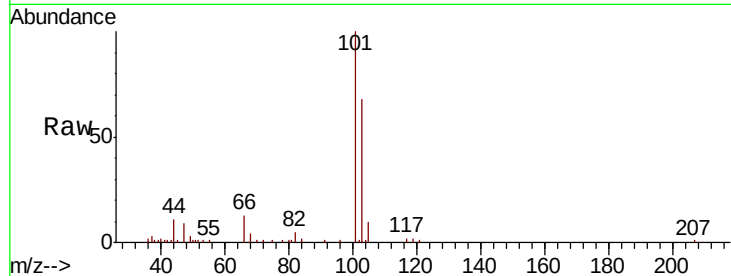


#7

Trichlorofluoromethane
 Concen: 20.762 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW006425.D
 Acq: 27 Oct 2018 02:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1029SBSD01

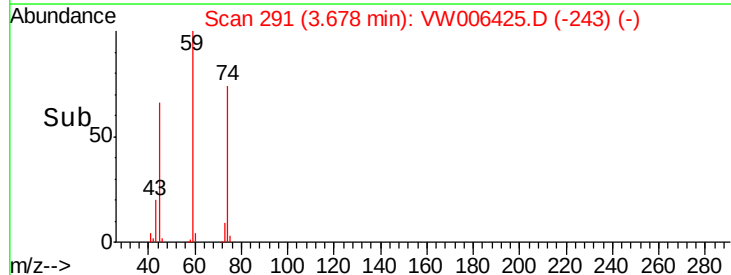
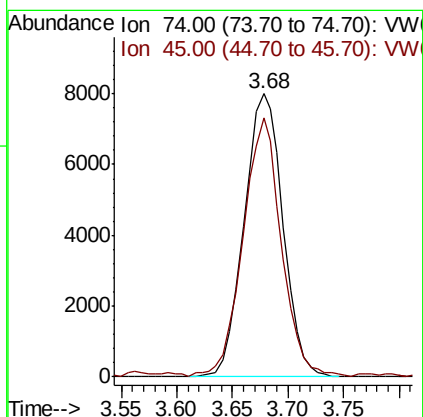
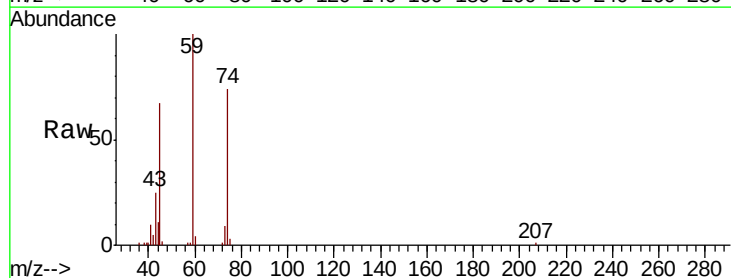
Tgt Ion:101 Resp: 36715
 Ion Ratio Lower Upper
 101 100
 103 67.9 51.2 76.8

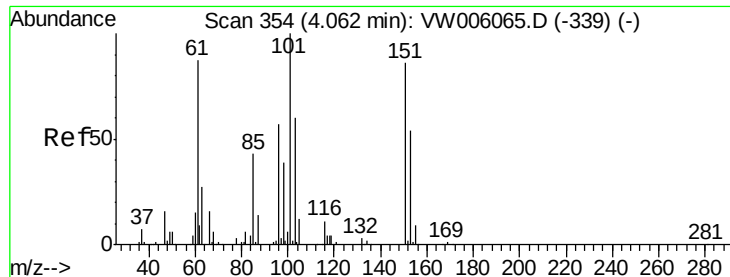


#8

Diethyl Ether
 Concen: 20.619 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW006425.D
 Acq: 27 Oct 2018 02:15

Tgt Ion: 74 Resp: 19378
 Ion Ratio Lower Upper
 74 100
 45 90.6 42.8 128.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.584 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW006425.D

Acq: 27 Oct 2018 02:15

Instrument :

MSVOA_W

ClientSampleId :

VW1029SBSD01

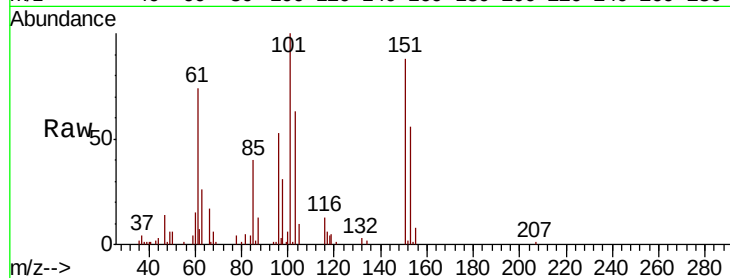
Tgt Ion:101 Resp: 40001

Ion Ratio Lower Upper

101 100

85 42.6 34.9 52.3

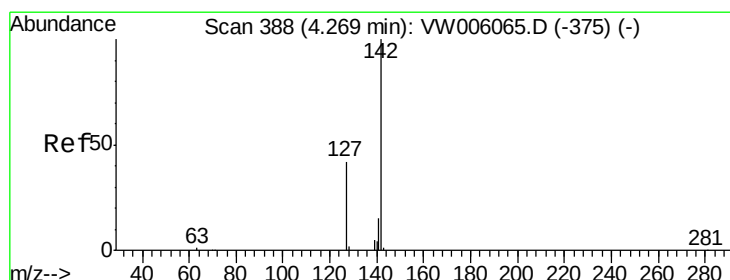
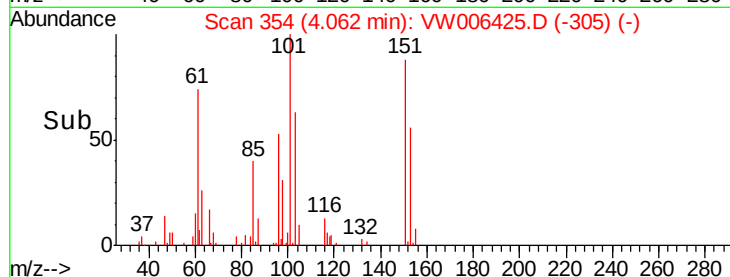
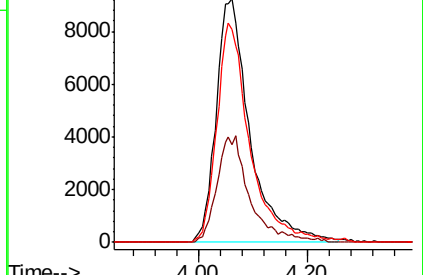
151 87.9 70.4 105.6



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: 21.782 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW006425.D

Acq: 27 Oct 2018 02:15

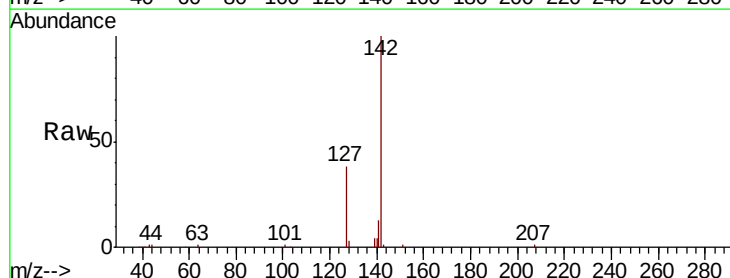
Tgt Ion:142 Resp: 67189

Ion Ratio Lower Upper

142 100

127 40.4 33.6 50.4

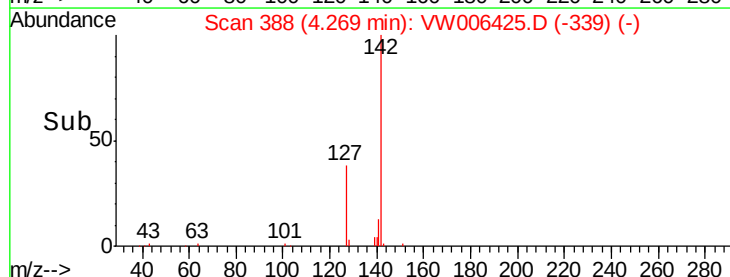
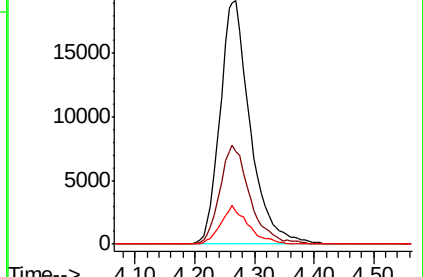
141 14.4 11.6 17.4

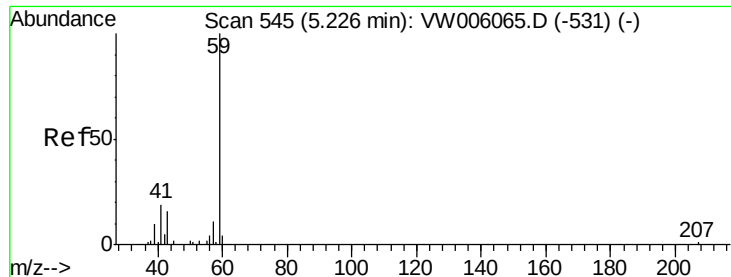


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



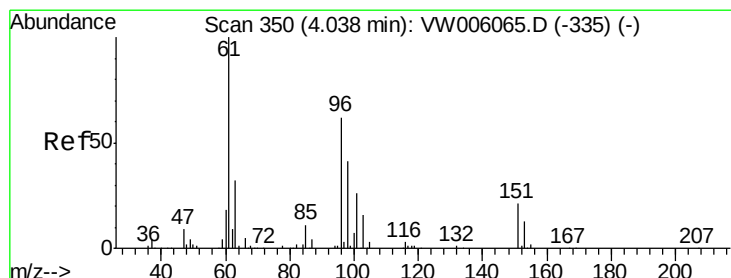
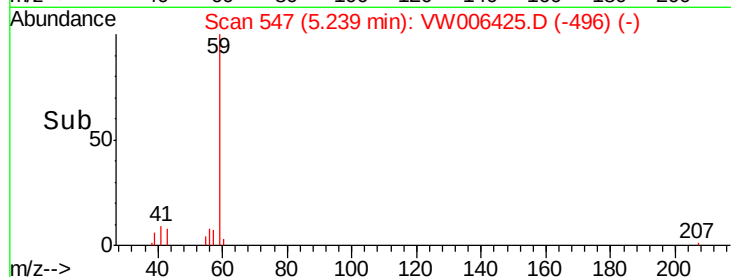
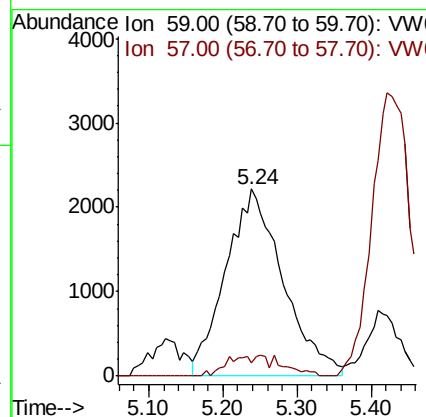
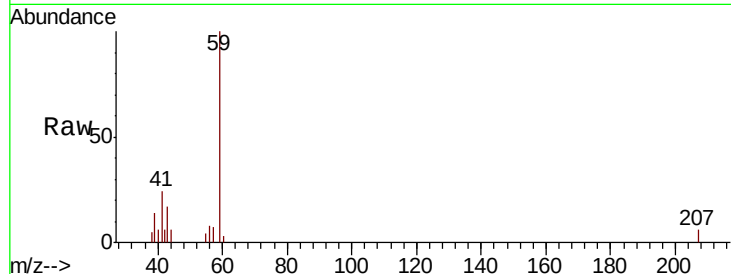


#11

Tert butyl alcohol
Concen: 102.198 ug/l
RT: 5.24 min Scan# 547
Delta R.T. 0.01 min
Lab File: VW006425.D
Acq: 27 Oct 2018 02:15

Instrument :
MSVOA_W
ClientSampleId :
VW1029SBSD01

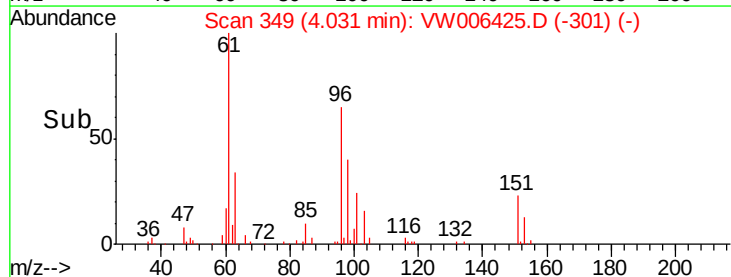
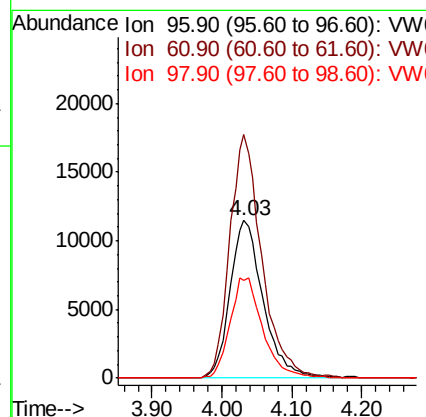
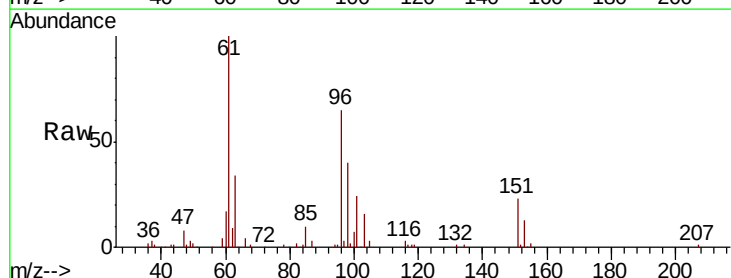
Tgt Ion: 59 Resp: 11891
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

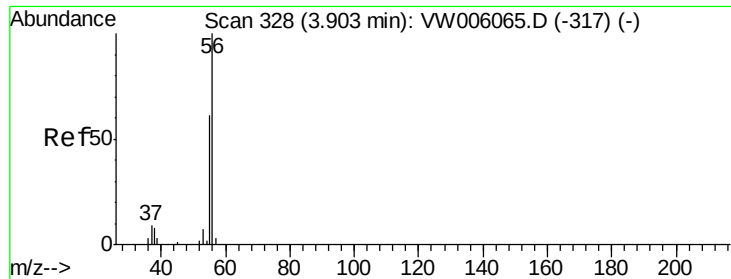


#12

1,1-Dichloroethene
Concen: 21.649 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW006425.D
Acq: 27 Oct 2018 02:15

Tgt Ion: 96 Resp: 37746
Ion Ratio Lower Upper
96 100
61 154.5 129.3 193.9
98 62.4 53.1 79.7





#13

Acrolein

Concen: 94.310 ug/l

RT: 3.90 min Scan# 328

Delta R.T. -0.00 min

Lab File: VW006425.D

Acq: 27 Oct 2018 02:15

Instrument :

MSVOA_W

ClientSampleId :

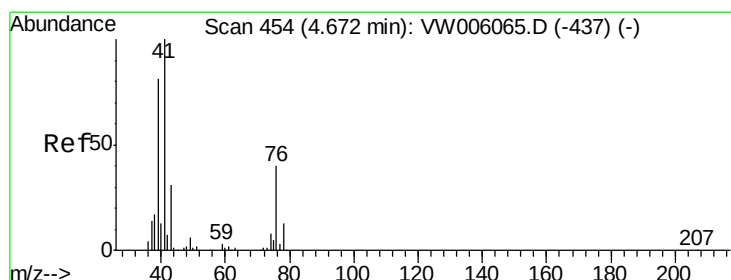
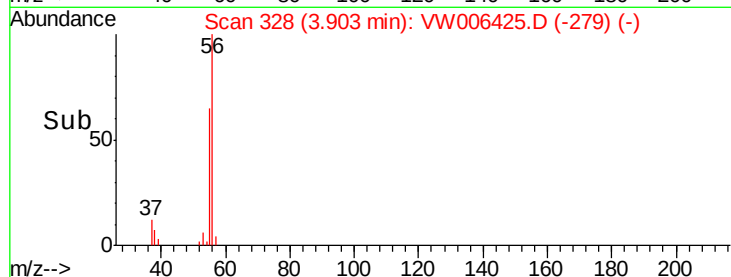
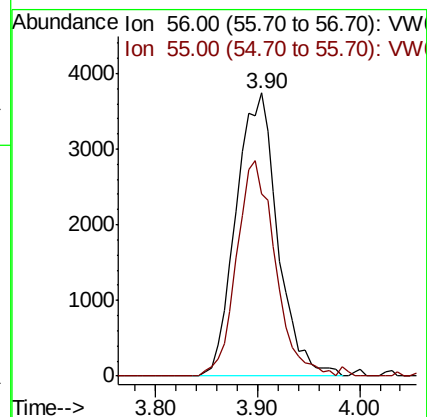
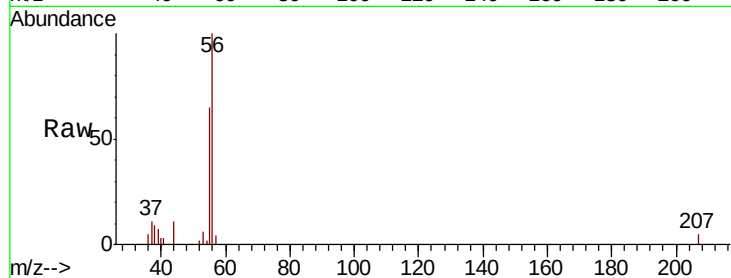
VW1029SBSD01

Tgt Ion: 56 Resp: 10618

Ion Ratio Lower Upper

56 100

55 70.5 54.5 81.7



#14

Allyl chloride

Concen: 20.208 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW006425.D

Acq: 27 Oct 2018 02:15

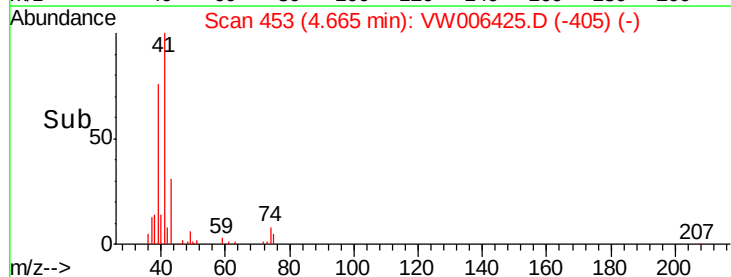
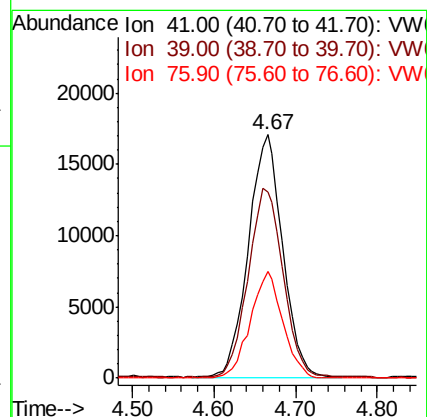
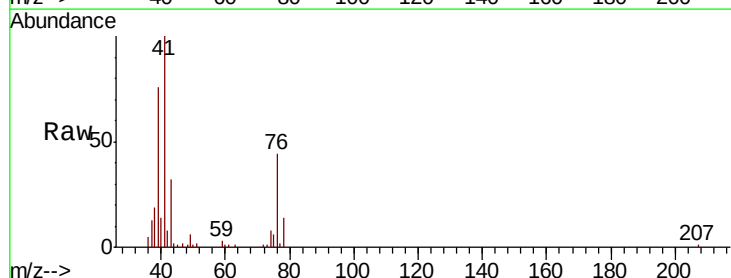
Tgt Ion: 41 Resp: 50378

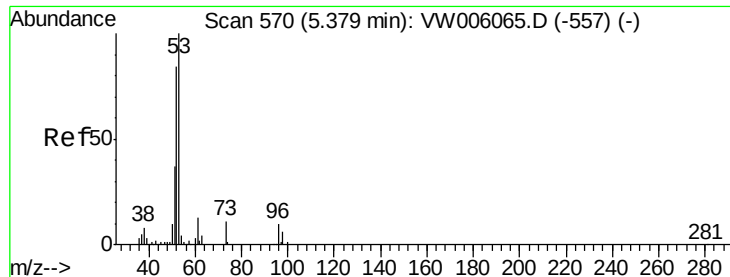
Ion Ratio Lower Upper

41 100

39 79.3 64.1 96.1

76 41.3 32.2 48.4





#15

Acrylonitrile

Concen: 112.672 ug/l

RT: 5.38 min Scan# 570

Delta R.T. -0.00 min

Lab File: VW006425.D

Acq: 27 Oct 2018 02:15

Instrument :

MSVOA_W

ClientSampleId :

VW1029SBSD01

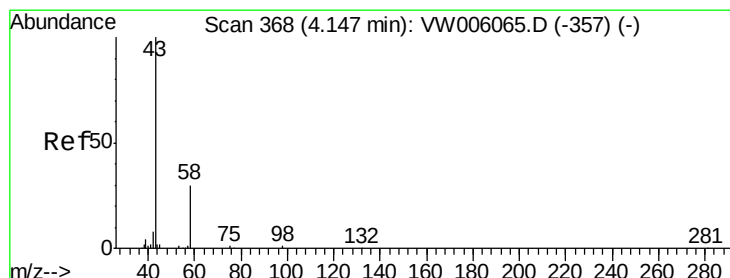
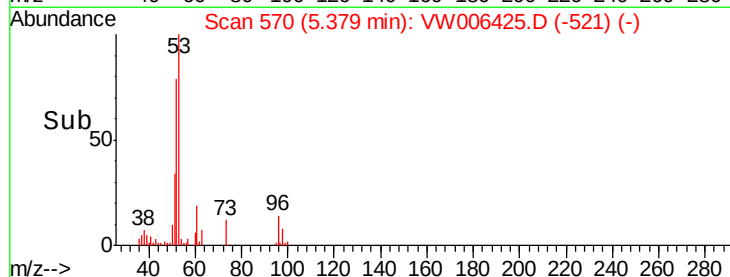
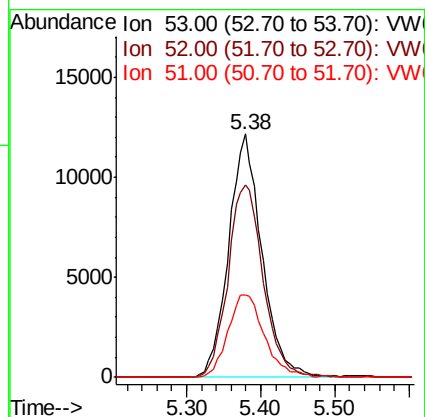
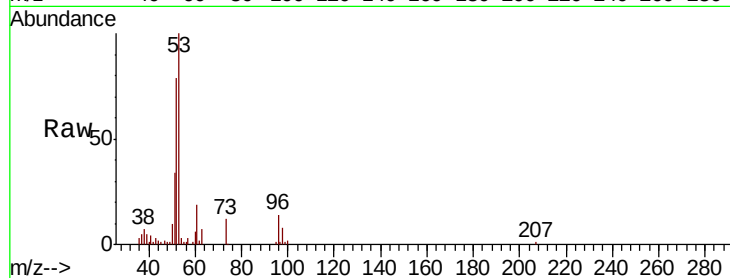
Tgt Ion: 53 Resp: 37981

Ion Ratio Lower Upper

53 100

52 83.5 66.9 100.3

51 37.3 30.1 45.1



#16

Acetone

Concen: 99.976 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.00 min

Lab File: VW006425.D

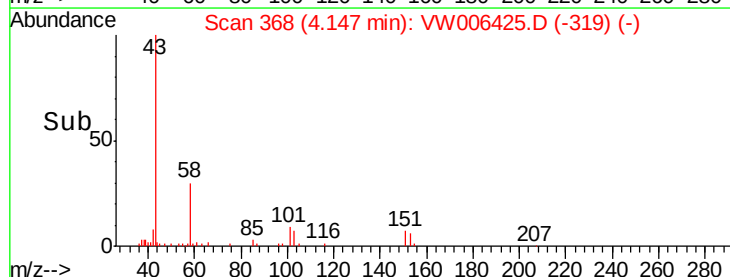
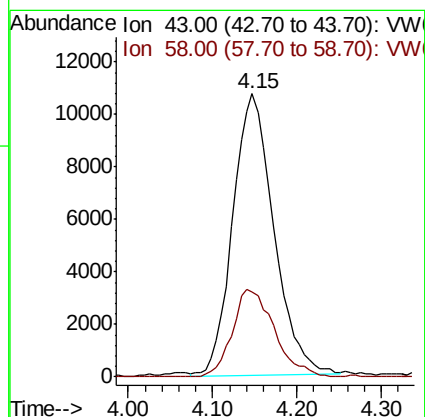
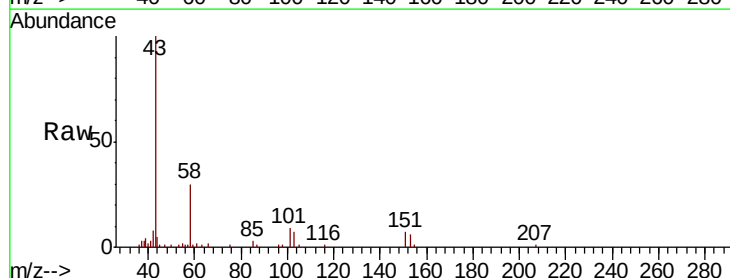
Acq: 27 Oct 2018 02:15

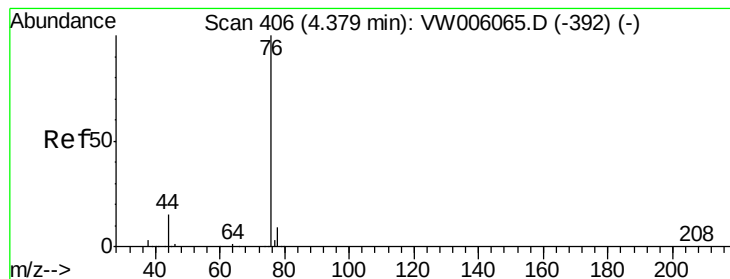
Tgt Ion: 43 Resp: 35332

Ion Ratio Lower Upper

43 100

58 30.3 24.0 36.0





#17

Carbon Disulfide

Concen: 17.920 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW006425.D

Acq: 27 Oct 2018 02:15

Instrument :

MSVOA_W

ClientSampleId :

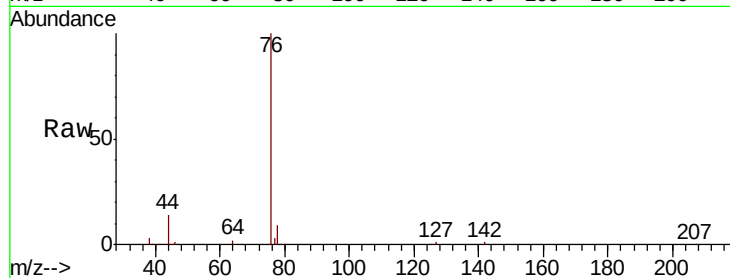
VW1029SBSD01

Tgt Ion: 76 Resp: 94296

Ion Ratio Lower Upper

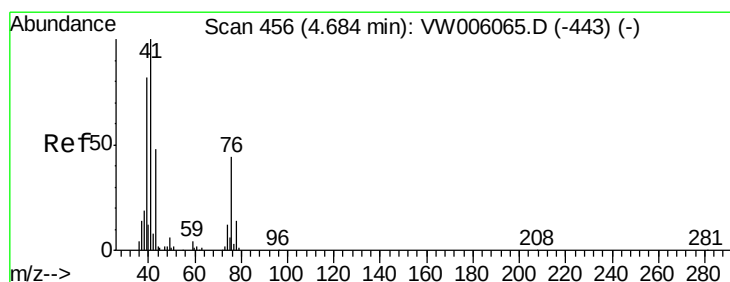
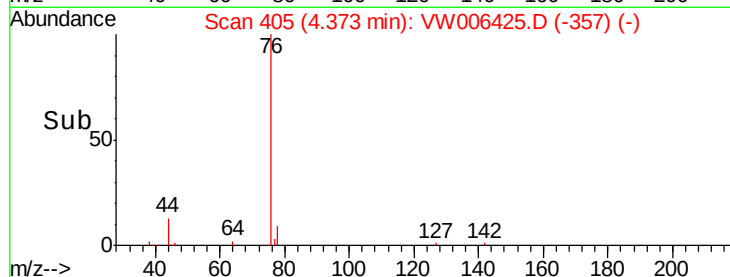
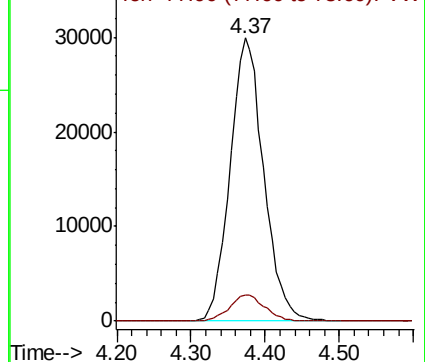
76 100

78 9.4 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 22.475 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW006425.D

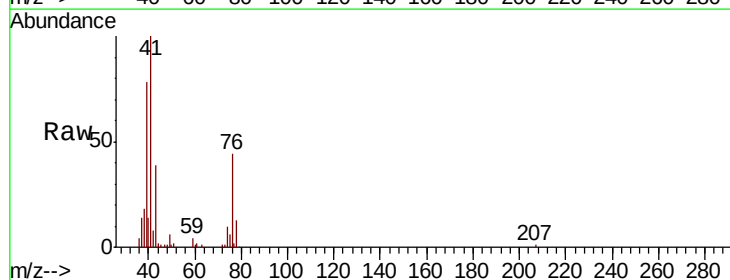
Acq: 27 Oct 2018 02:15

Tgt Ion: 43 Resp: 19567

Ion Ratio Lower Upper

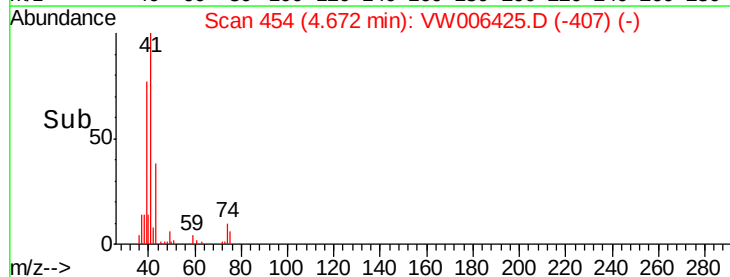
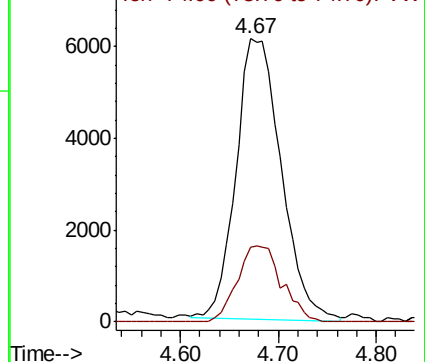
43 100

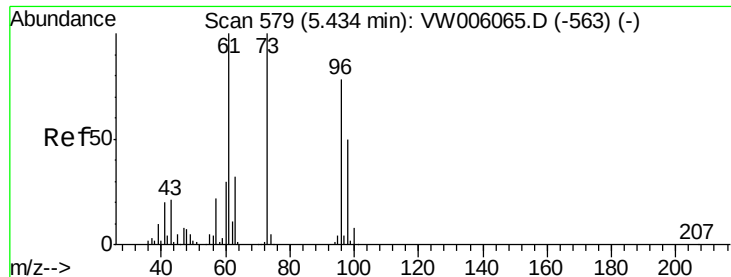
74 26.7 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

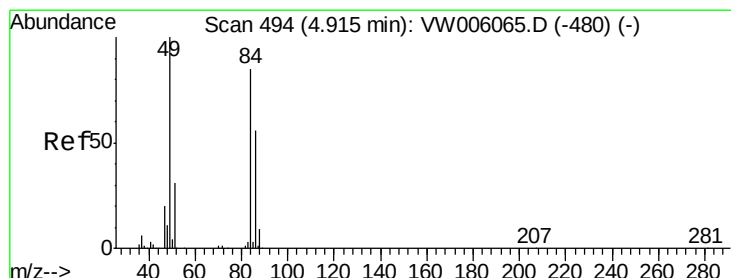
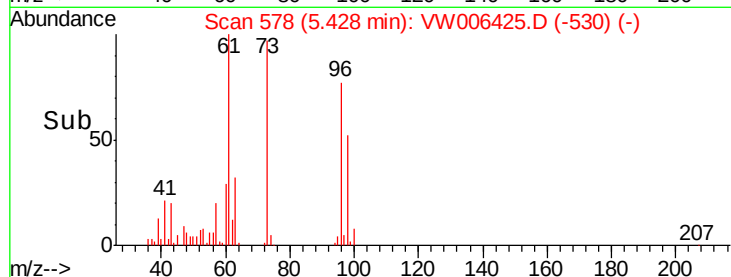
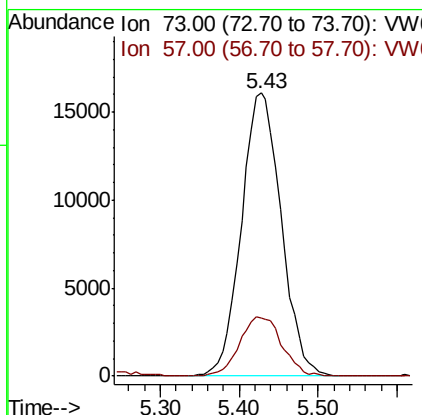
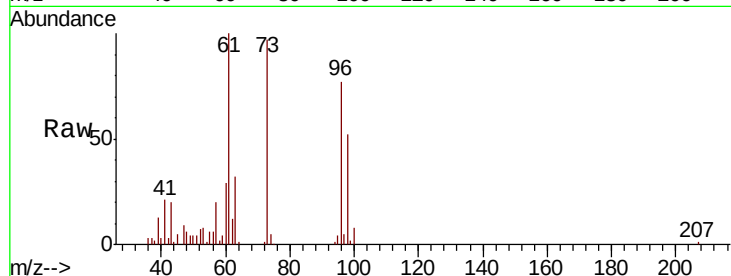




#19
Methyl tert-butyl Ether
Concen: 21.244 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW006425.D
Acq: 27 Oct 2018 02:15

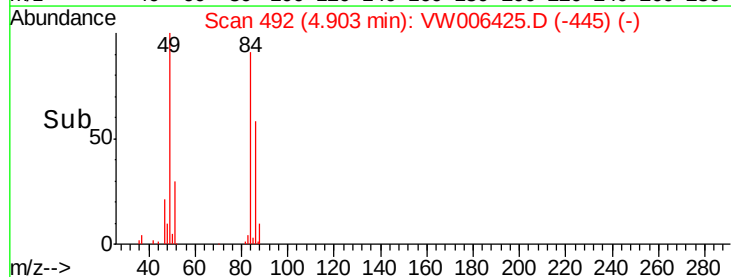
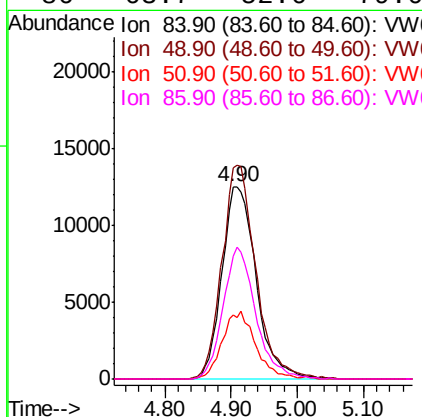
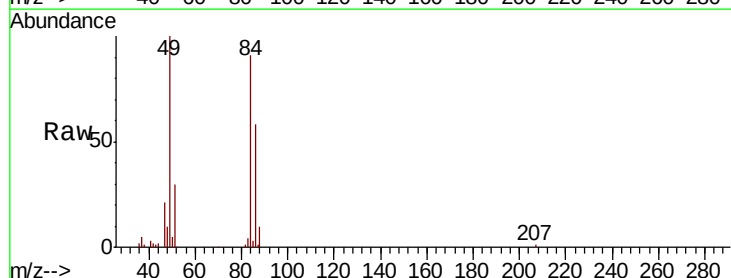
Instrument :
MSVOA_W
ClientSampleId :
VW1029SBSD01

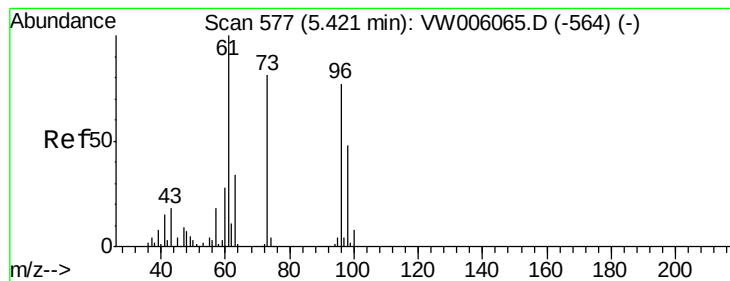
Tgt Ion: 73 Resp: 56416
Ion Ratio Lower Upper
73 100
57 20.6 17.4 26.2



#20
Methylene Chloride
Concen: 23.706 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW006425.D
Acq: 27 Oct 2018 02:15

Tgt Ion: 84 Resp: 44963
Ion Ratio Lower Upper
84 100
49 109.5 93.6 140.4
51 33.1 29.0 43.4
86 63.7 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 22.003 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW006425.D

Acq: 27 Oct 2018 02:15

Instrument :

MSVOA_W

ClientSampleId :

VW1029SBS01

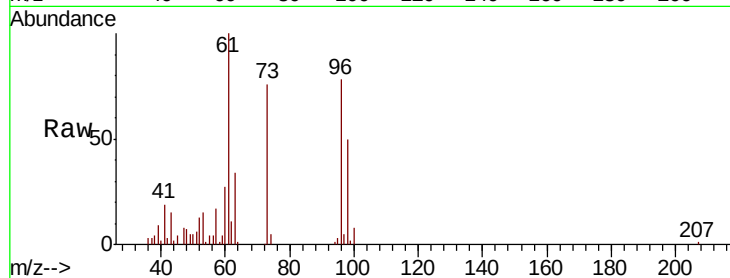
Tgt Ion: 96 Resp: 42820

Ion Ratio Lower Upper

96 100

61 127.6 104.5 156.7

98 64.0 50.6 75.8

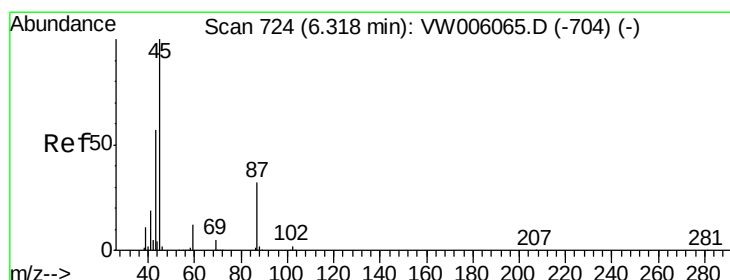
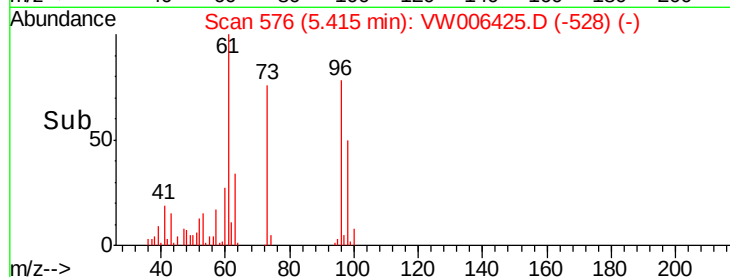
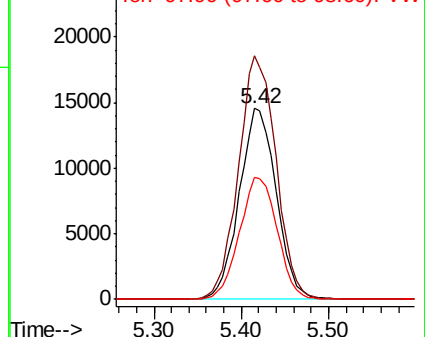


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 22.345 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW006425.D

Acq: 27 Oct 2018 02:15

Tgt Ion: 45 Resp: 110083

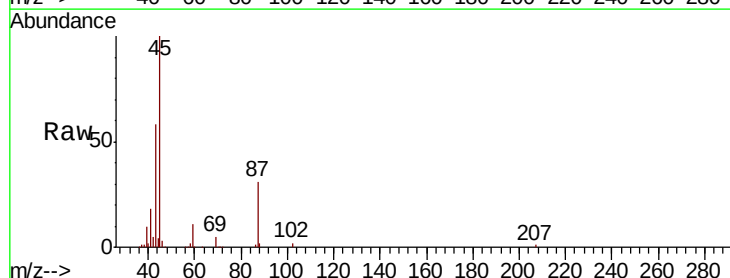
Ion Ratio Lower Upper

45 100

43 57.5 45.7 68.5

87 31.0 25.9 38.9

59 10.6 9.6 14.4



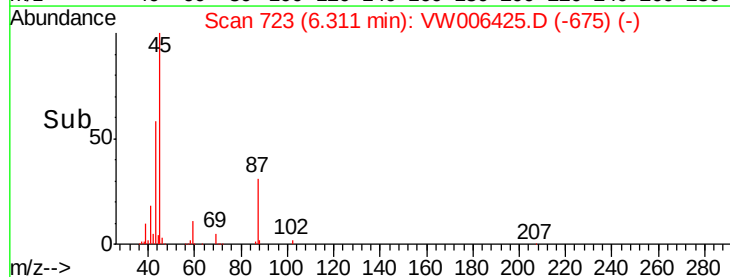
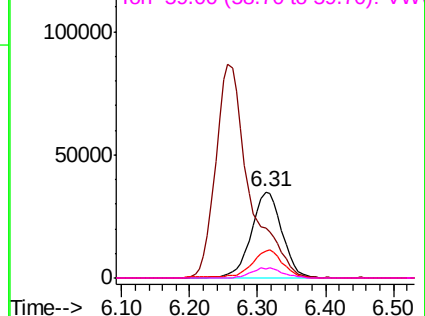
Abundance

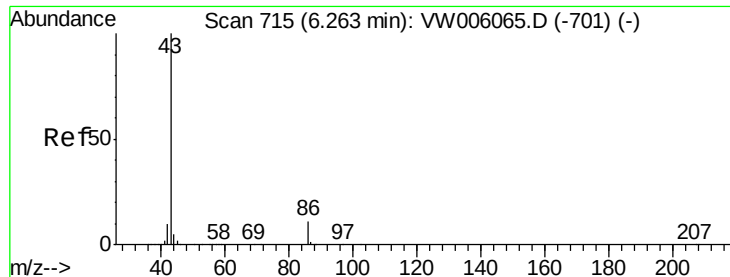
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 102.515 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW006425.D

Acq: 27 Oct 2018 02:15

Instrument :

MSVOA_W

ClientSampleId :

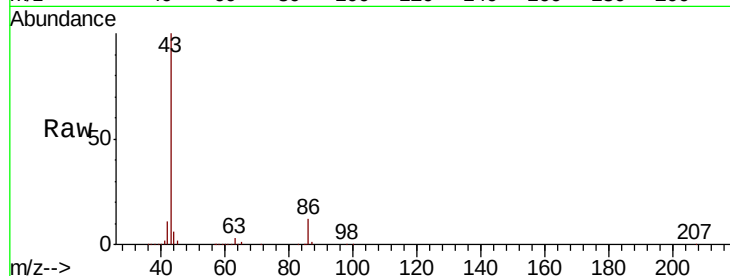
VW1029SBSD01

Tgt Ion: 43 Resp: 298053

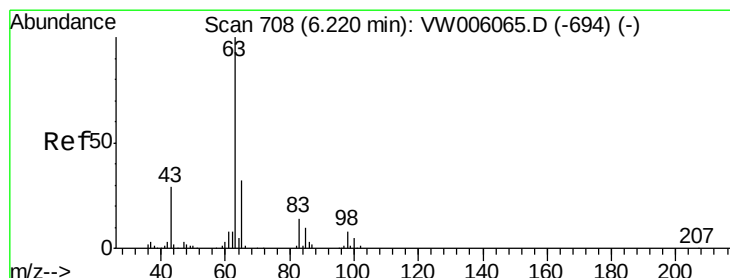
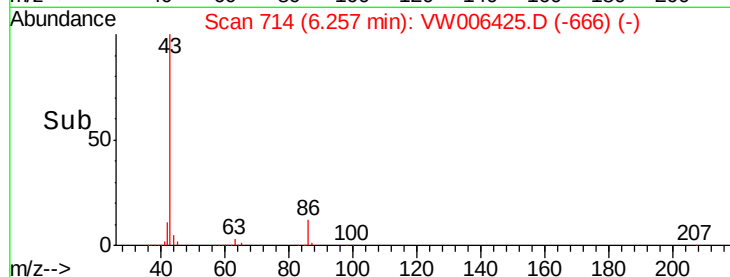
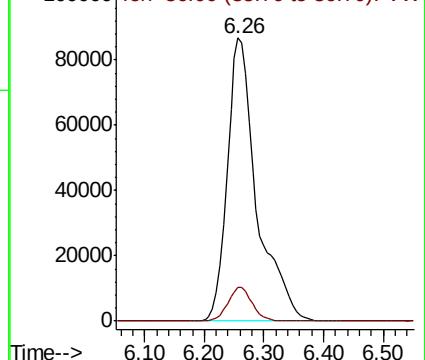
Ion Ratio Lower Upper

43 100

86 11.9 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 23.091 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW006425.D

Acq: 27 Oct 2018 02:15

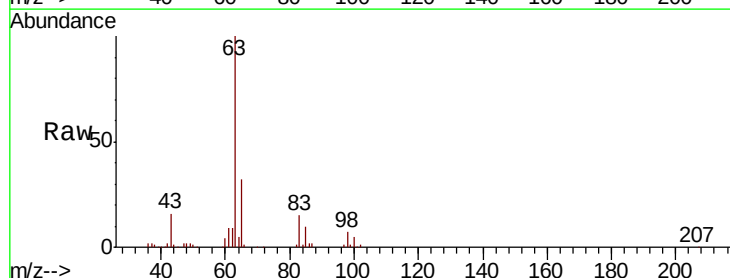
Tgt Ion: 63 Resp: 73405

Ion Ratio Lower Upper

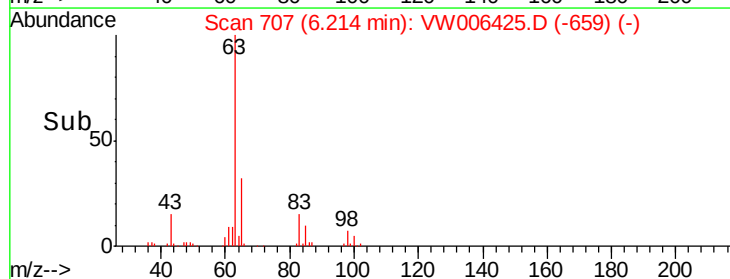
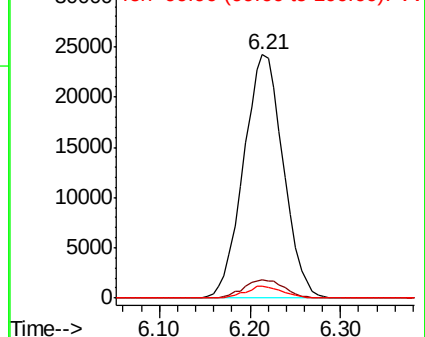
63 100

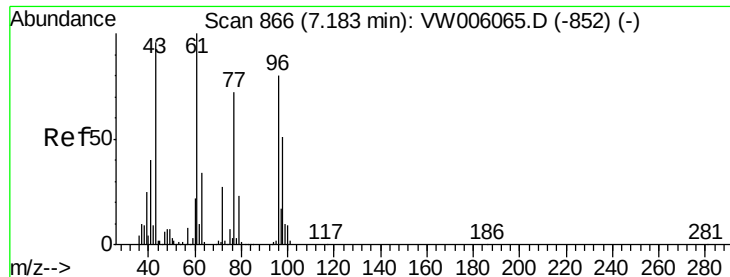
98 7.3 3.8 11.2

100 4.8 2.5 7.5



Abundance Ion 62.90 (62.60 to 63.60): VW
Ion 97.90 (97.60 to 98.60): VW
Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 107.334 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.00 min

Lab File: VW006425.D

Acq: 27 Oct 2018 02:15

Instrument :

MSVOA_W

ClientSampleId :

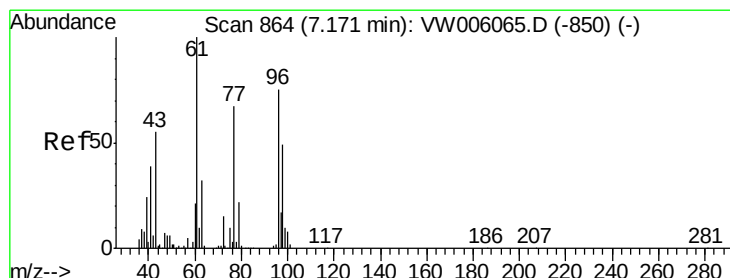
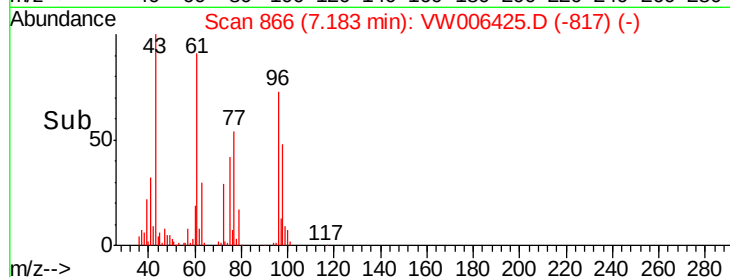
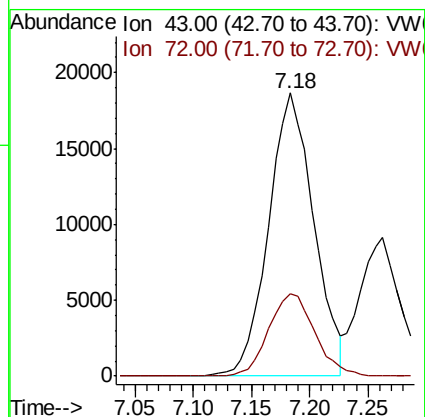
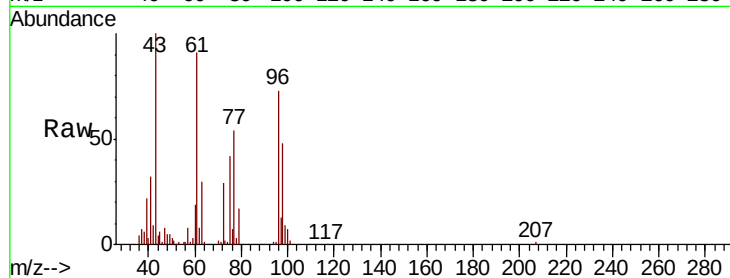
VW1029SBSD01

Tgt Ion: 43 Resp: 50164

Ion Ratio Lower Upper

43 100

72 29.1 22.8 34.2



#26

2,2-Dichloropropane

Concen: 19.300 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW006425.D

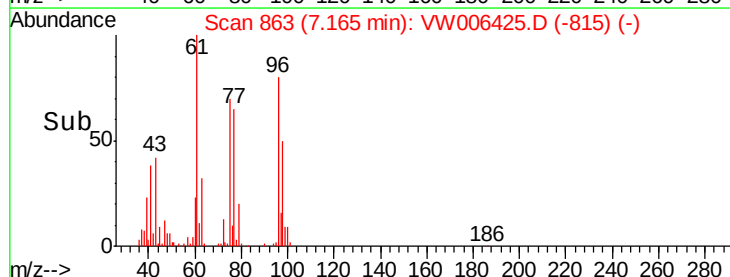
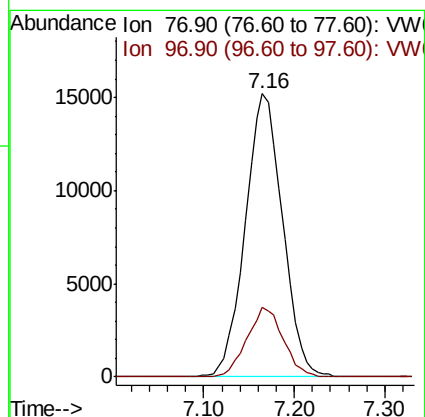
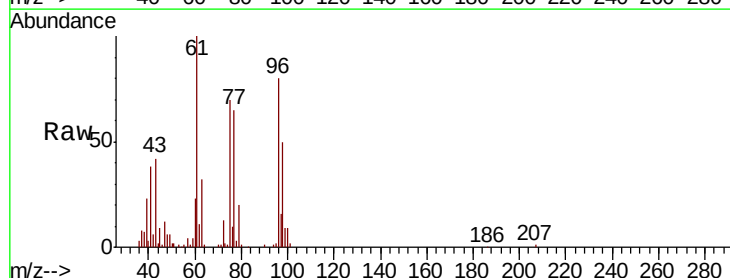
Acq: 27 Oct 2018 02:15

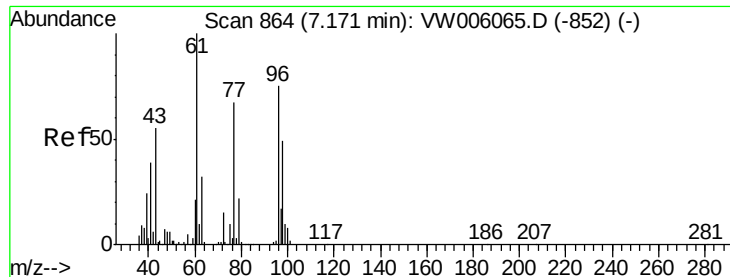
Tgt Ion: 77 Resp: 43272

Ion Ratio Lower Upper

77 100

97 23.8 12.2 36.4



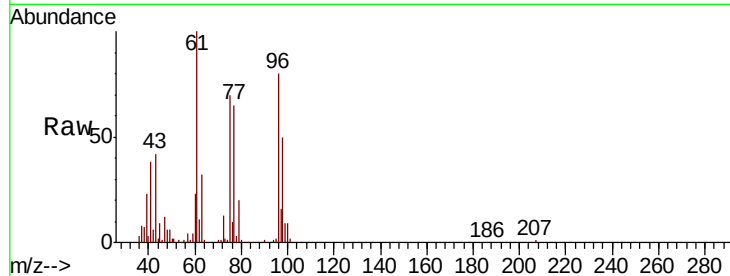


#27

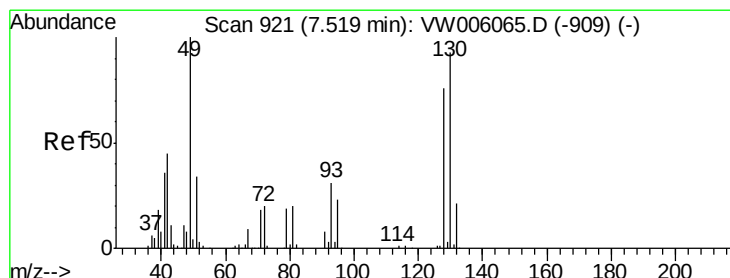
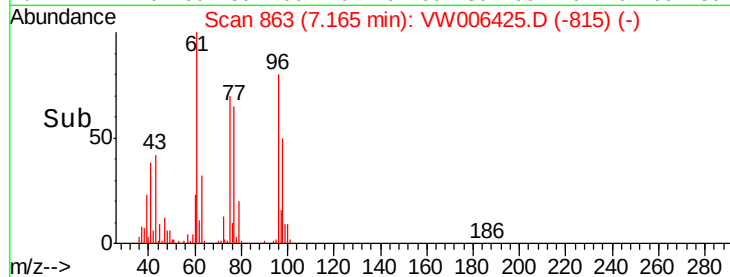
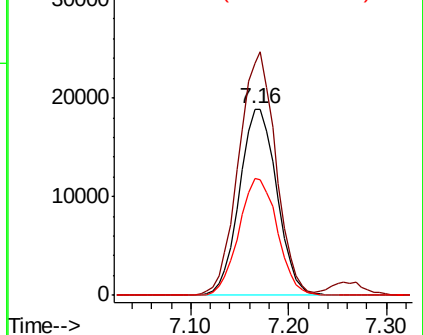
cis-1,2-Dichloroethene
Concen: 23.379 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW006425.D
Acq: 27 Oct 2018 02:15

Instrument :
MSVOA_W
ClientSampleId :
VW1029SBSD01

Tgt Ion: 96 Resp: 50209
Ion Ratio Lower Upper
96 100
61 129.6 0.0 267.2
98 64.2 0.0 128.6



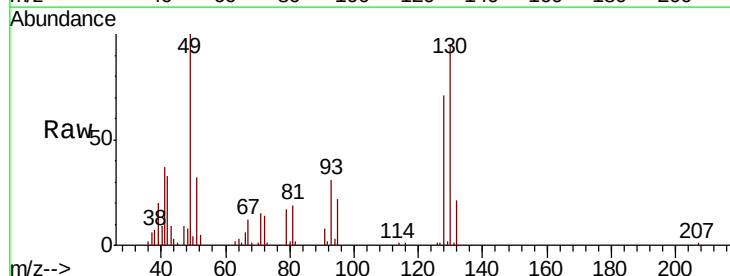
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



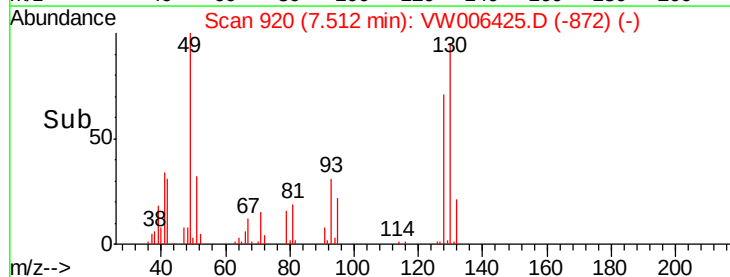
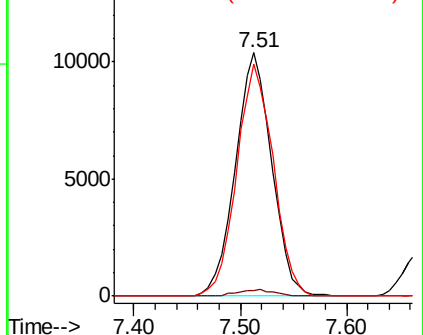
#28

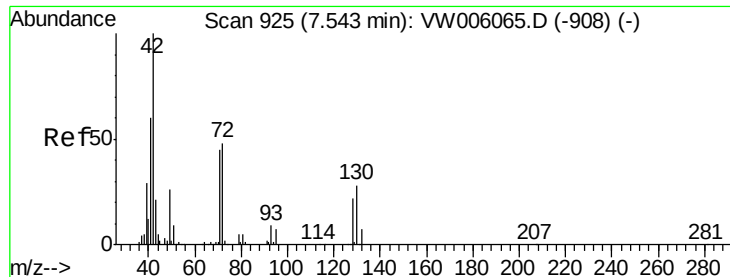
Bromochloromethane
Concen: 20.245 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW006425.D
Acq: 27 Oct 2018 02:15

Tgt Ion: 49 Resp: 24845
Ion Ratio Lower Upper
49 100
129 2.4 0.0 5.0
130 96.1 73.8 110.8



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





#29

Tetrahydrofuran

Concen: 108.435 ug/l

RT: 7.54 min Scan# 924

Delta R.T. -0.01 min

Lab File: VW006425.D

Acq: 27 Oct 2018 02:15

Instrument :

MSVOA_W

ClientSampleId :

VW1029SBS01

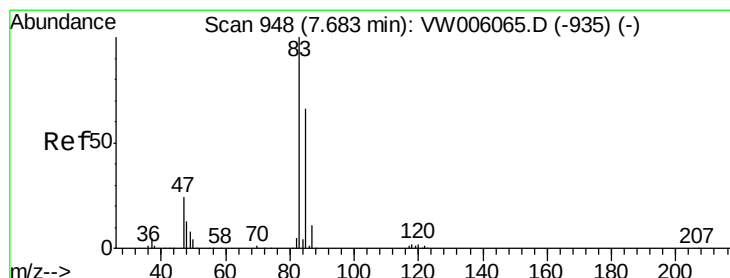
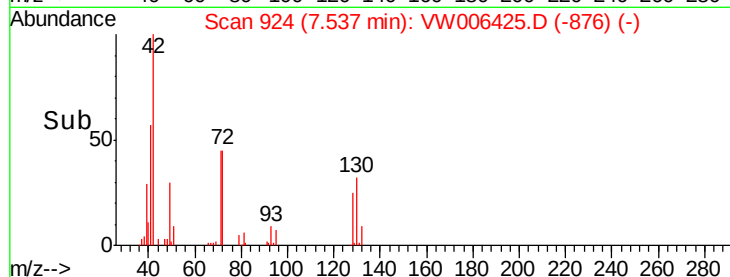
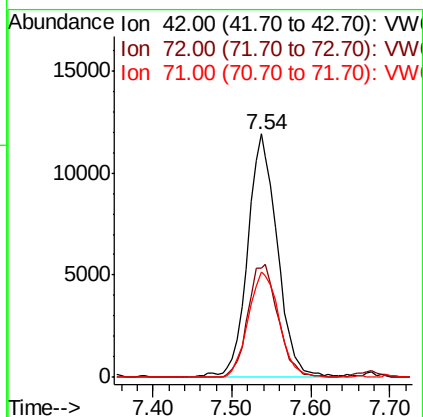
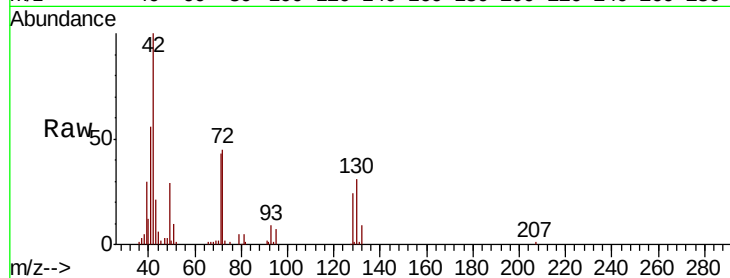
Tgt Ion: 42 Resp: 31151

Ion Ratio Lower Upper

42 100

72 47.1 38.0 57.0

71 44.9 35.3 52.9



#30

Chloroform

Concen: 23.593 ug/l

RT: 7.68 min Scan# 947

Delta R.T. -0.01 min

Lab File: VW006425.D

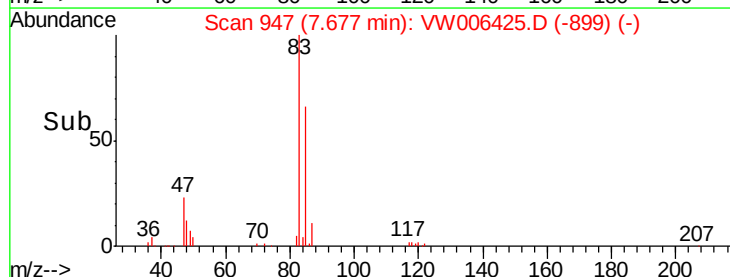
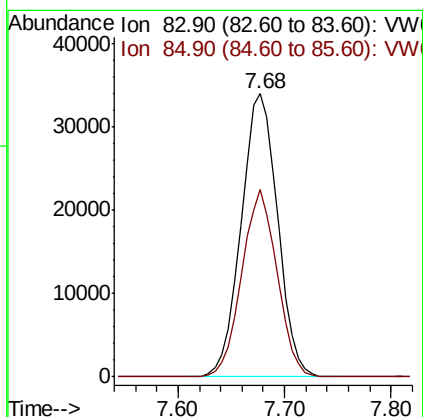
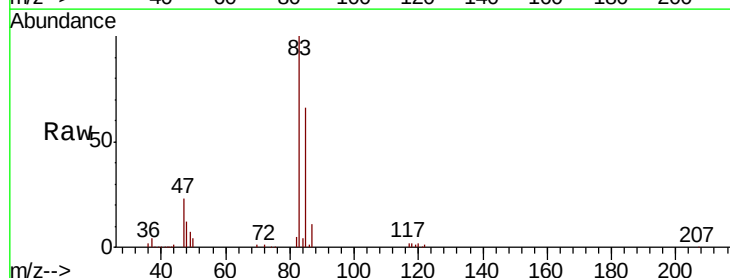
Acq: 27 Oct 2018 02:15

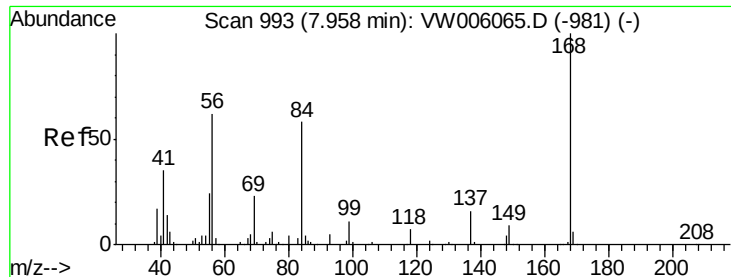
Tgt Ion: 83 Resp: 81711

Ion Ratio Lower Upper

83 100

85 66.1 52.6 79.0

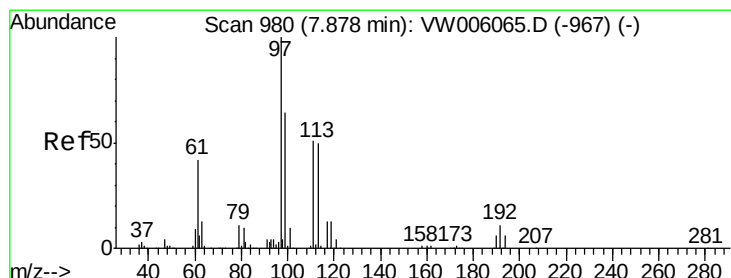
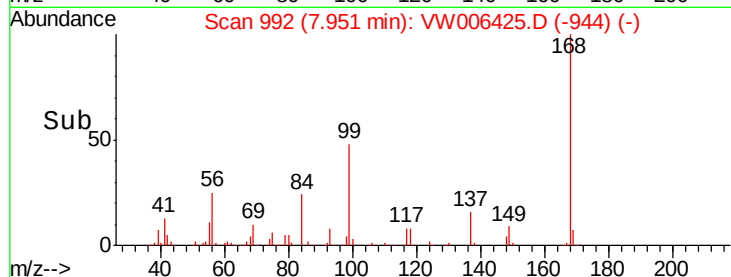
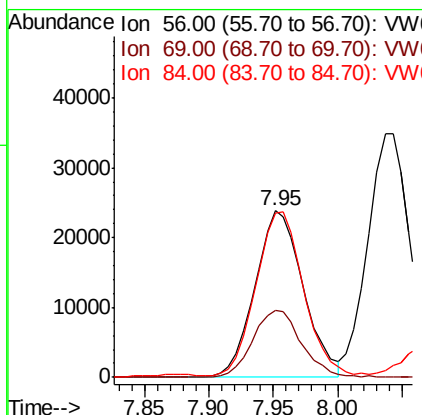
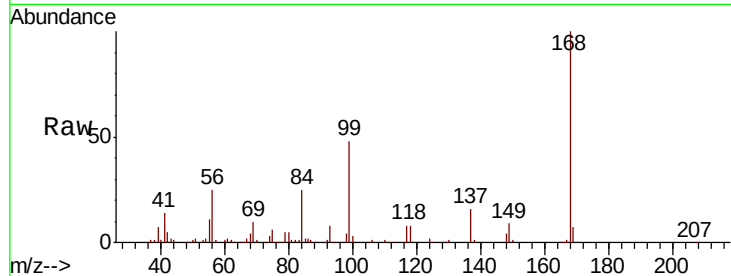




#31
Cyclohexane
Concen: 19.608 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW006425.D
Acq: 27 Oct 2018 02:15

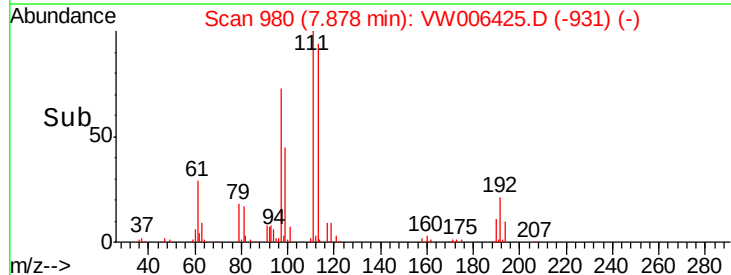
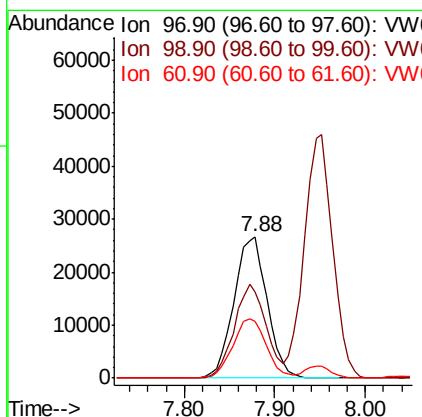
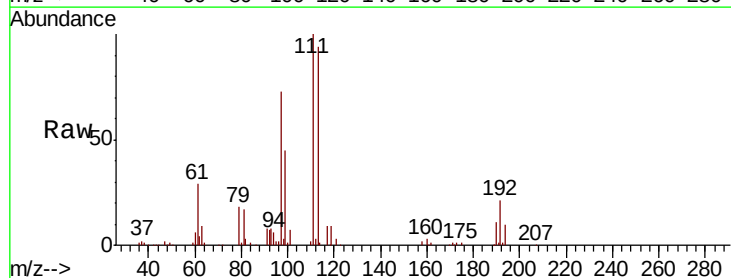
Instrument :
MSVOA_W
ClientSampleId :
VW1029SBSD01

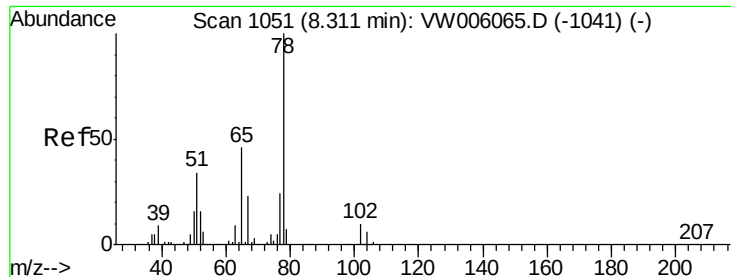
Tgt Ion: 56 Resp: 62074
Ion Ratio Lower Upper
56 100
69 40.2 29.4 44.0
84 97.1 74.0 111.0



#32
1,1,1-Trichloroethane
Concen: 21.611 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.00 min
Lab File: VW006425.D
Acq: 27 Oct 2018 02:15

Tgt Ion: 97 Resp: 67518
Ion Ratio Lower Upper
97 100
99 64.1 50.9 76.3
61 42.7 33.7 50.5





#33

1,2-Dichloroethane-d4

Concen: 48.815 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW006425.D

Acq: 27 Oct 2018 02:15

Instrument :

MSVOA_W

ClientSampleId :

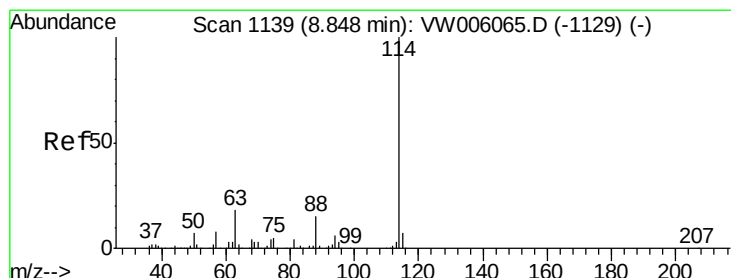
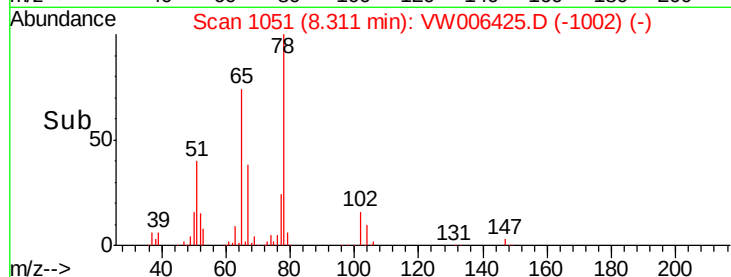
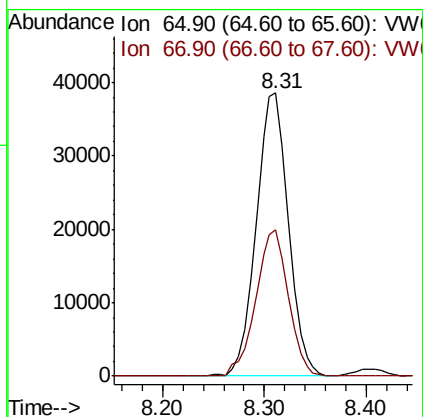
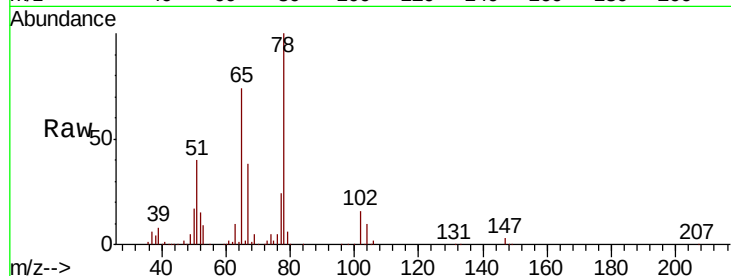
VW1029SBSD01

Tgt Ion: 65 Resp: 84451

Ion Ratio Lower Upper

65 100

67 52.3 0.0 101.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VW006425.D

Acq: 27 Oct 2018 02:15

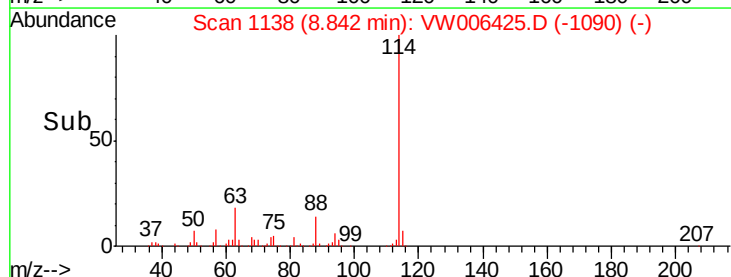
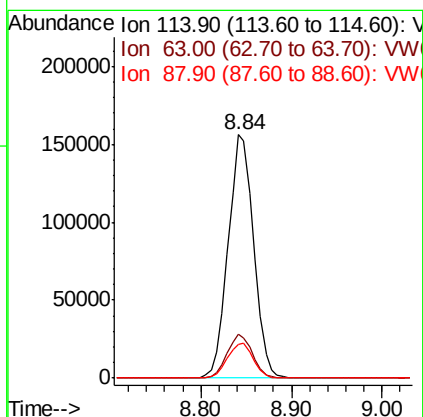
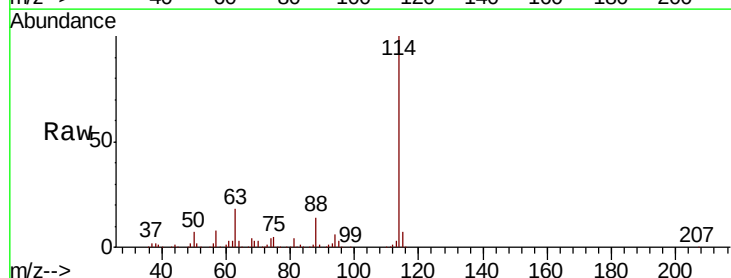
Tgt Ion: 114 Resp: 303848

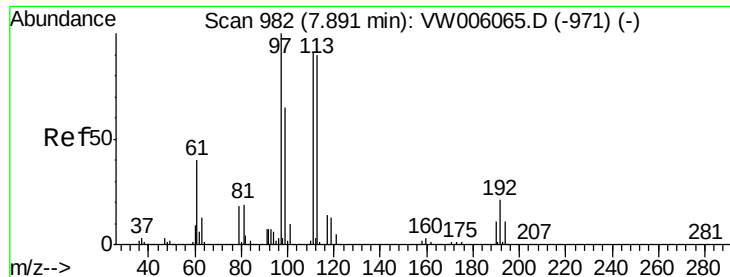
Ion Ratio Lower Upper

114 100

63 17.8 0.0 36.8

88 14.1 0.0 29.0





#35

Dibromofluoromethane

Concen: 49.912 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006425.D

Acq: 27 Oct 2018 02:15

Instrument :

MSVOA_W

ClientSampleId :

VW1029SBSD01

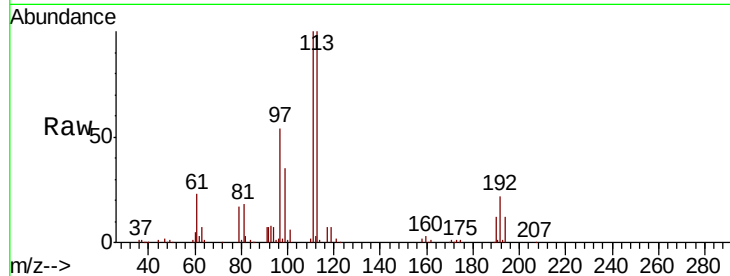
Tgt Ion:113 Resp: 89613

Ion Ratio Lower Upper

113 100

111 102.6 81.4 122.0

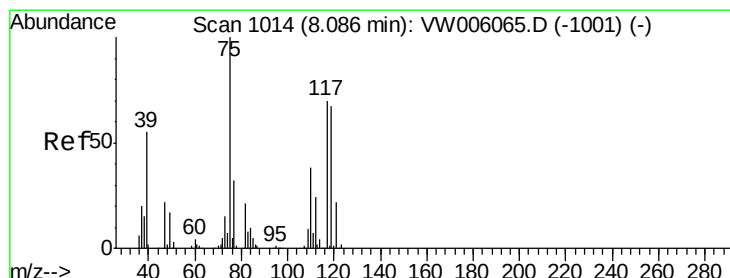
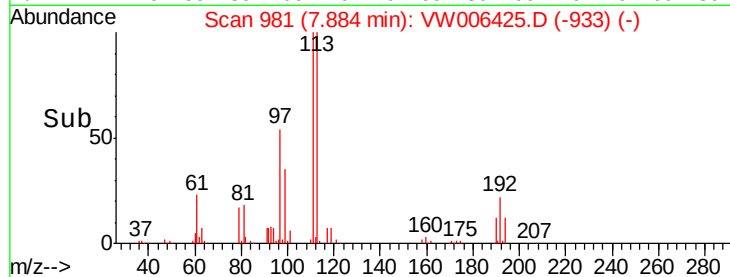
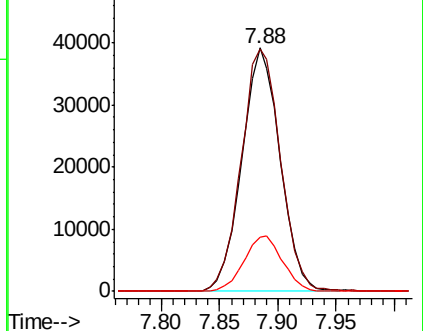
192 23.0 18.7 28.1



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: 21.920 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.01 min

Lab File: VW006425.D

Acq: 27 Oct 2018 02:15

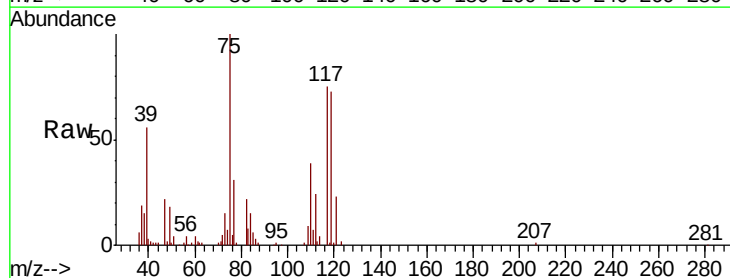
Tgt Ion: 75 Resp: 61391

Ion Ratio Lower Upper

75 100

110 38.1 19.1 57.1

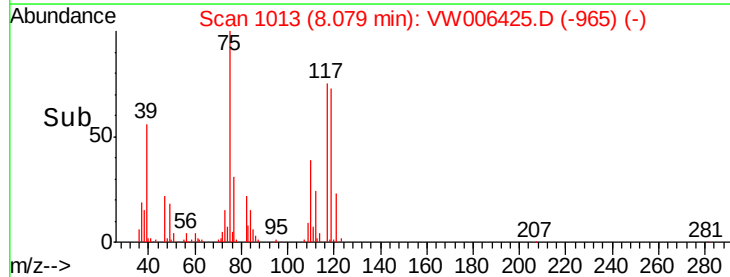
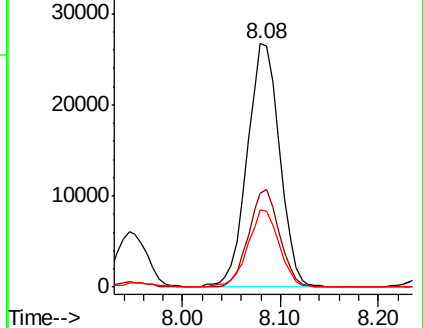
77 30.8 25.0 37.4

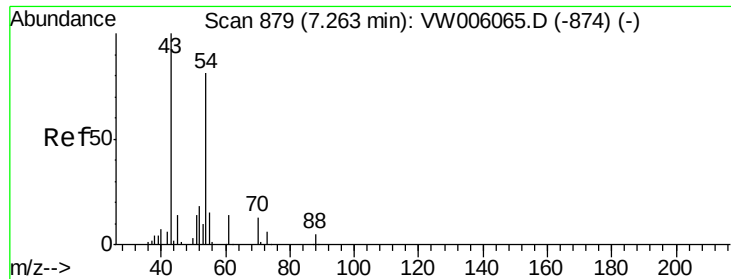


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

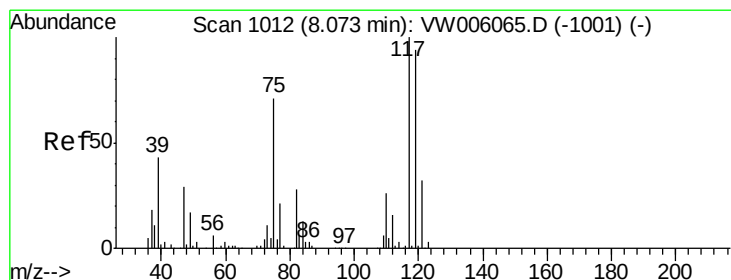
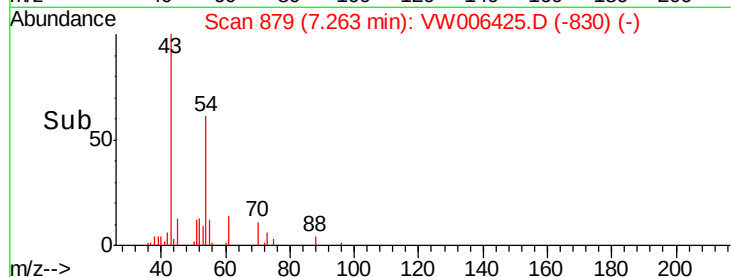
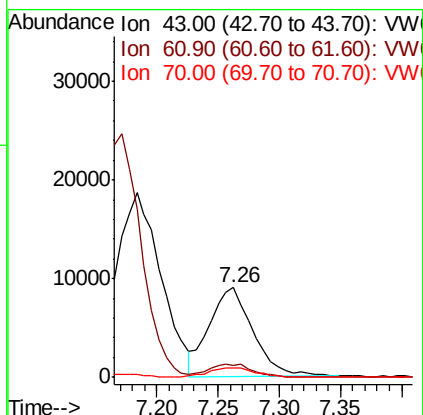
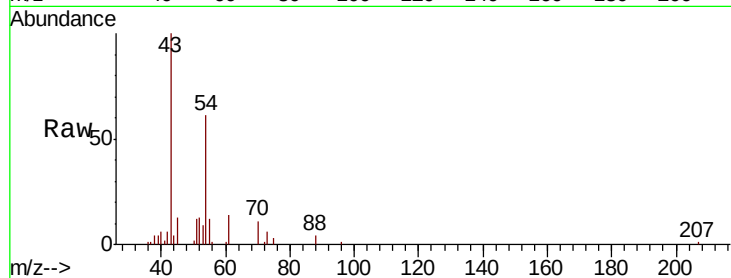




#37
Ethyl Acetate
 Concen: 21.380 ug/l
 RT: 7.26 min Scan# 879
 Delta R.T. -0.00 min
 Lab File: VW006425.D
 Acq: 27 Oct 2018 02:15

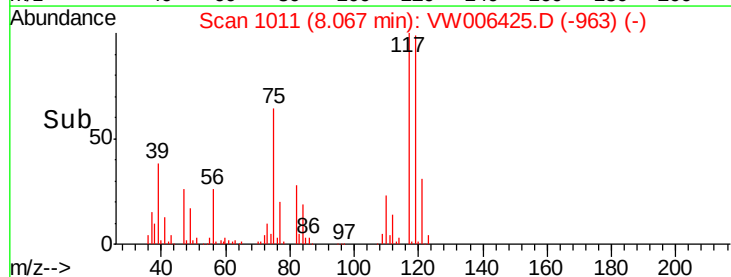
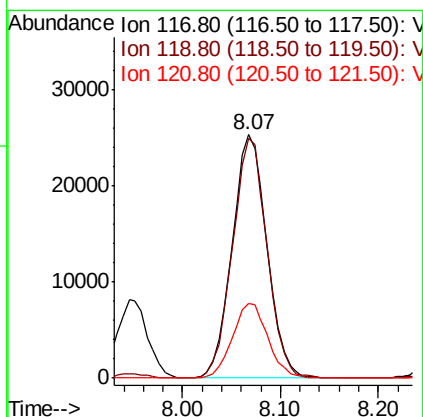
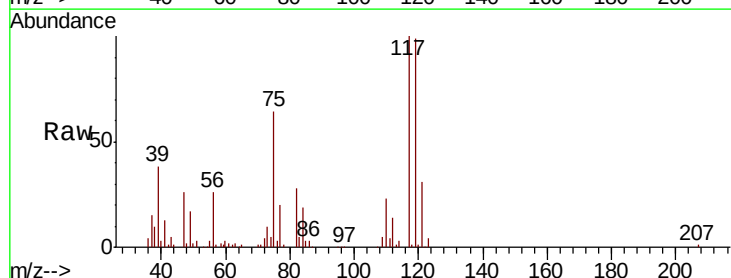
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1029SBSD01

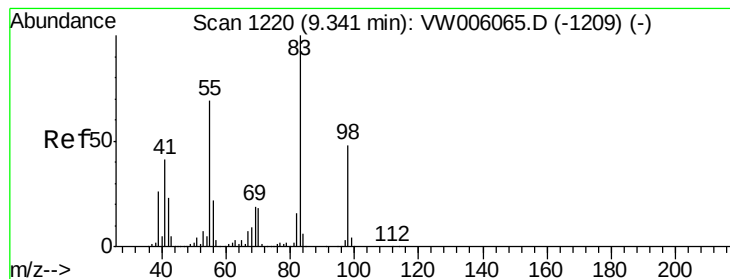
Tgt Ion: 43 Resp: 22247
 Ion Ratio Lower Upper
 43 100
 61 15.3 11.5 17.3
 70 11.4 9.2 13.8



#38
Carbon Tetrachloride
 Concen: 20.294 ug/l
 RT: 8.07 min Scan# 1011
 Delta R.T. -0.01 min
 Lab File: VW006425.D
 Acq: 27 Oct 2018 02:15

Tgt Ion: 117 Resp: 62306
 Ion Ratio Lower Upper
 117 100
 119 98.5 75.2 112.8
 121 30.7 25.3 37.9





#39

Methylcyclohexane

Concen: 20.351 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.01 min

Lab File: VW006425.D

Acq: 27 Oct 2018 02:15

Instrument :

MSVOA_W

ClientSampleId :

VW1029SBS01

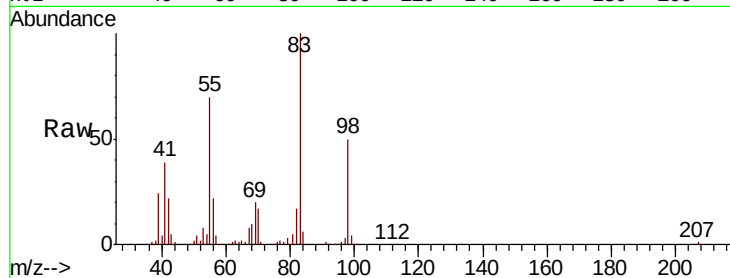
Tgt Ion: 83 Resp: 75764

Ion Ratio Lower Upper

83 100

55 70.1 55.0 82.6

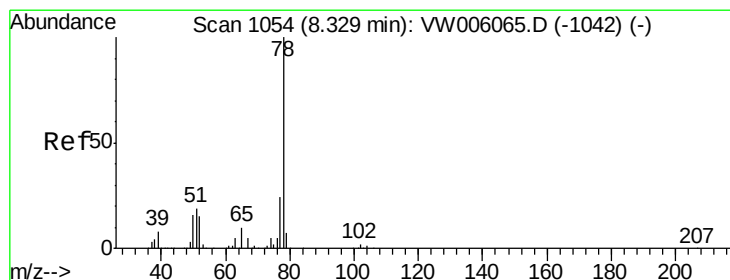
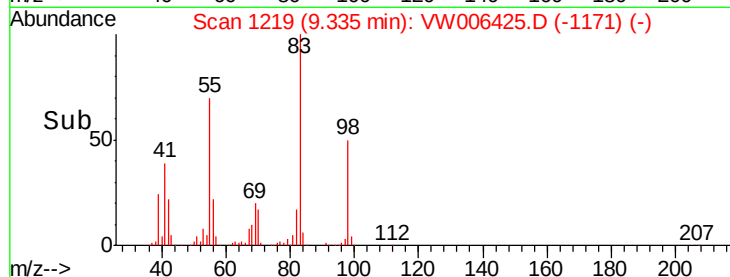
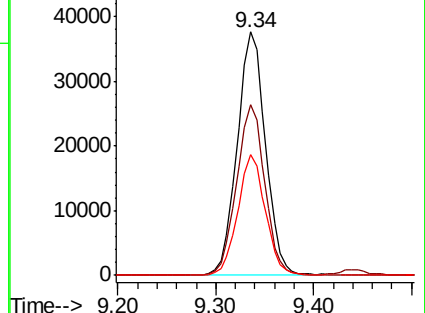
98 49.6 38.6 57.8



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW



#40

Benzene

Concen: 22.968 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VW006425.D

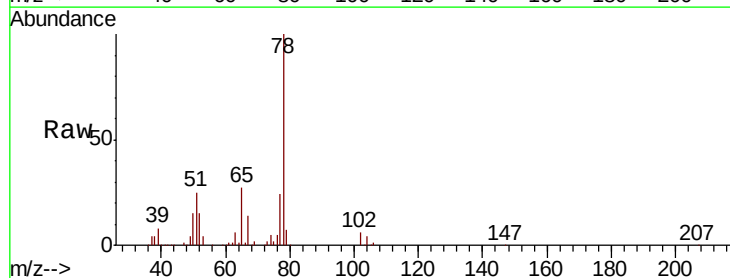
Acq: 27 Oct 2018 02:15

Tgt Ion: 78 Resp: 176447

Ion Ratio Lower Upper

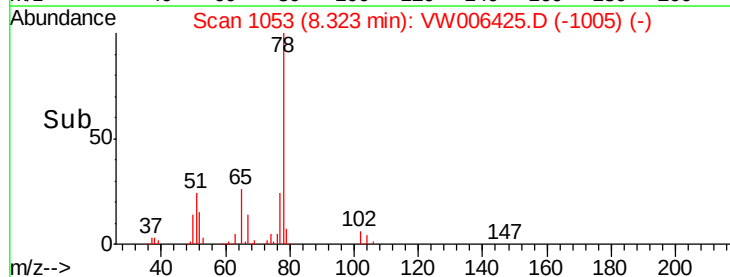
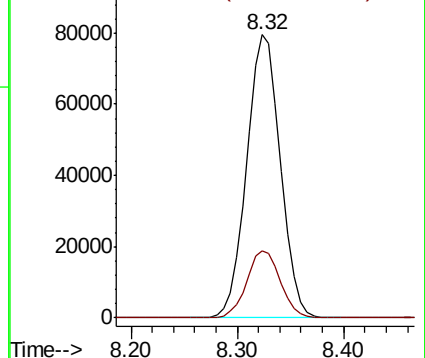
78 100

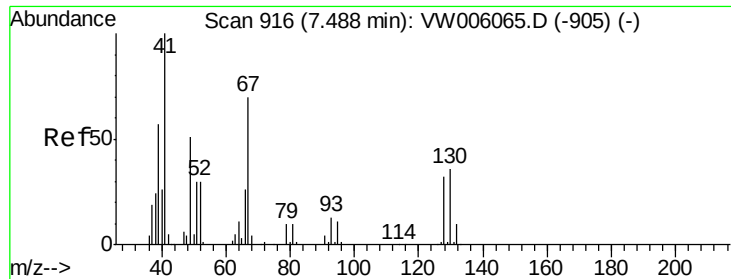
77 23.8 19.4 29.0



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW

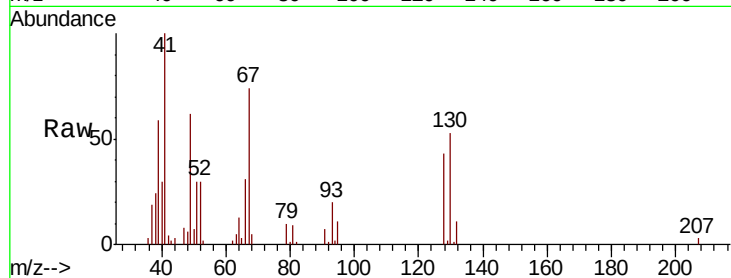




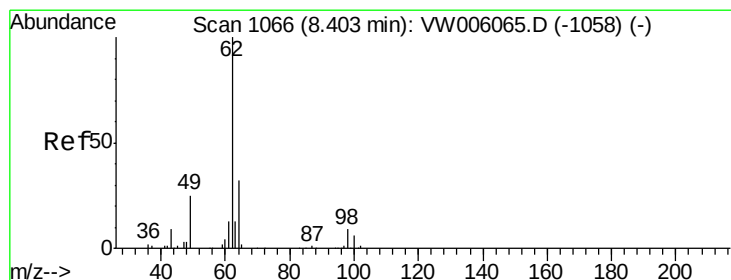
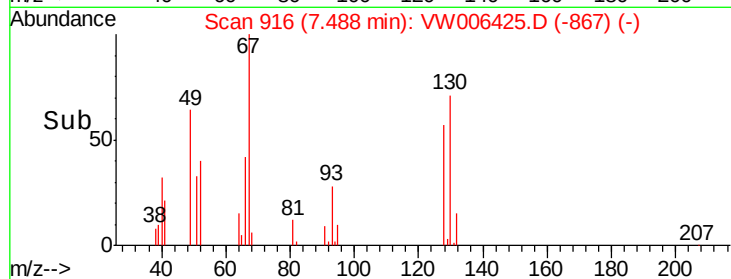
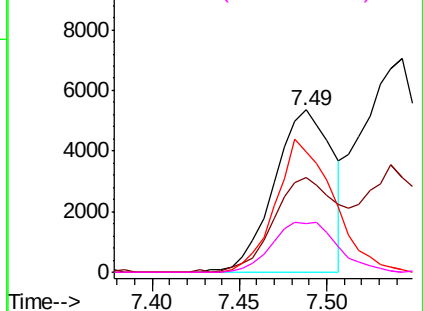
#41
Methacrylonitrile
Concen: 19.822 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW006425.D
Acq: 27 Oct 2018 02:15

Instrument :
MSVOA_W
ClientSampleId :
VW1029SBSD01

Tgt Ion:	41	Resp:	12434
Ion	Ratio	Lower	Upper
41	100		
39	65.5	46.2	69.4
67	81.3	57.7	86.5
52	34.8	24.7	37.1

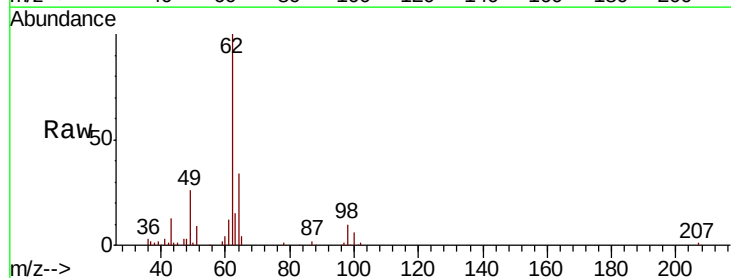


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

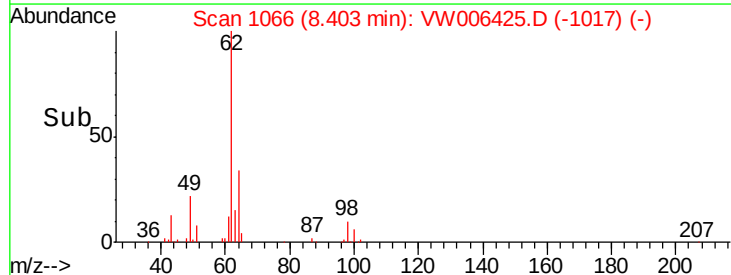
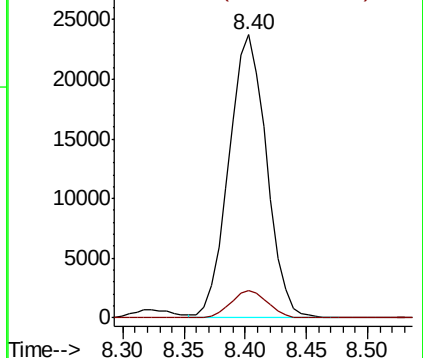


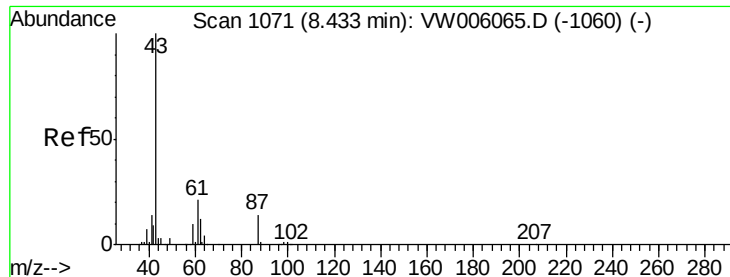
#42
1,2-Dichloroethane
Concen: 22.488 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW006425.D
Acq: 27 Oct 2018 02:15

Tgt Ion:	62	Resp:	50758
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.4



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





#43

Isopropyl Acetate

Concen: 20.500 ug/l

RT: 8.43 min Scan# 1071

Delta R.T. -0.00 min

Lab File: VW006425.D

Acq: 27 Oct 2018 02:15

Instrument :

MSVOA_W

ClientSampleId :

VW1029SBSD01

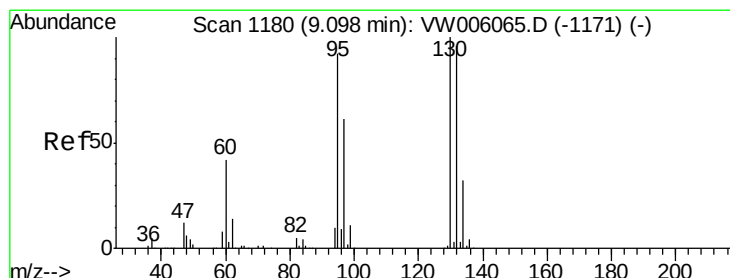
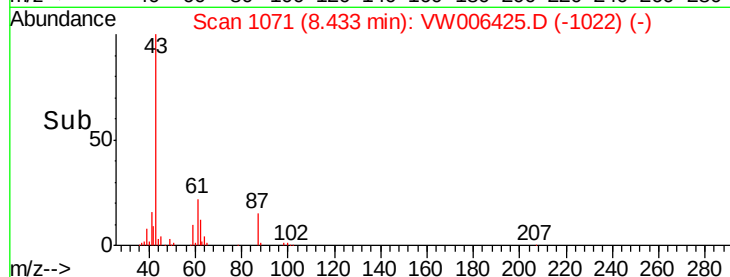
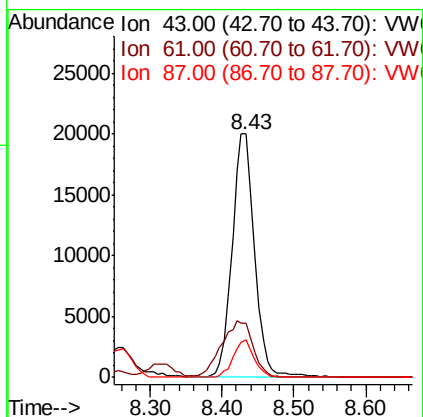
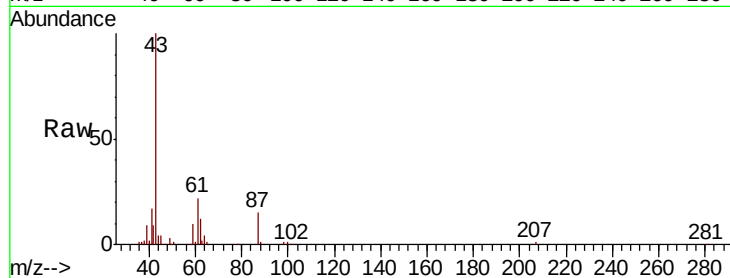
Tgt Ion: 43 Resp: 43614

Ion Ratio Lower Upper

43 100

61 32.1 25.5 38.3

87 14.3 11.7 17.5



#44

Trichloroethene

Concen: 22.648 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VW006425.D

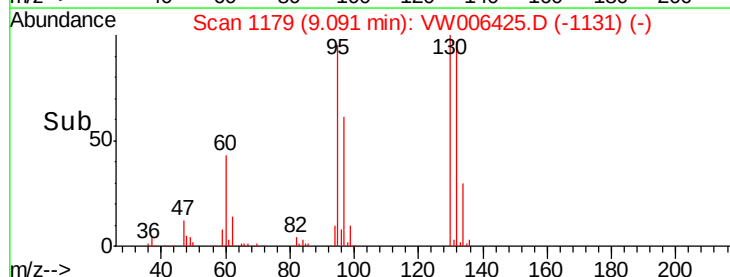
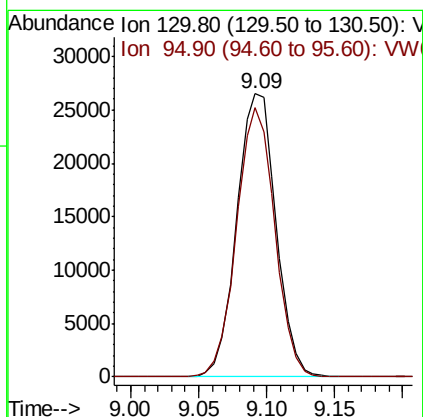
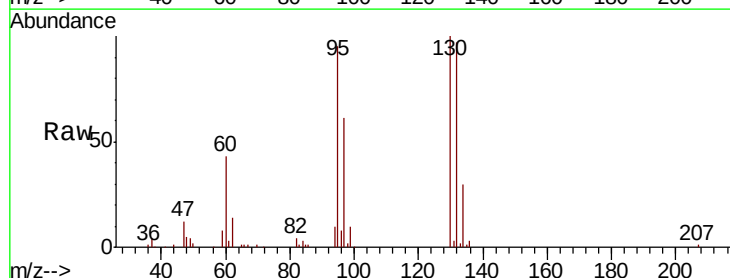
Acq: 27 Oct 2018 02:15

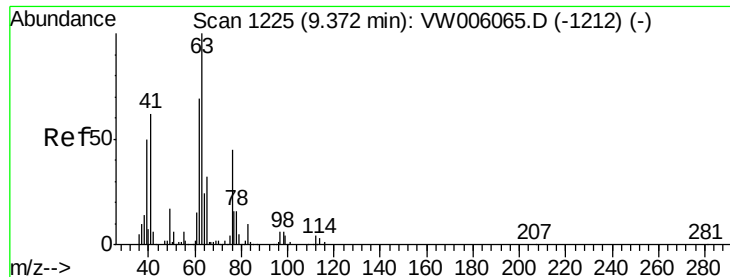
Tgt Ion: 130 Resp: 53380

Ion Ratio Lower Upper

130 100

95 95.2 0.0 183.2

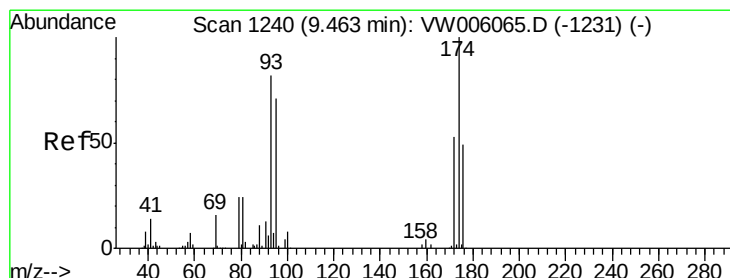
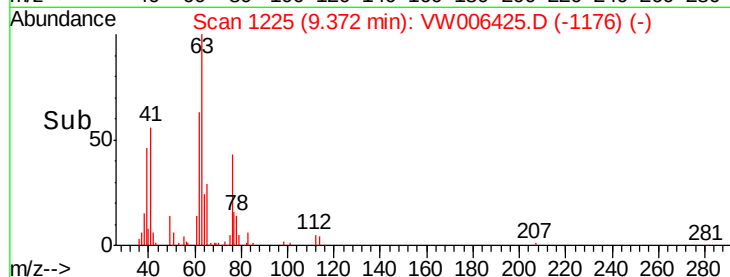
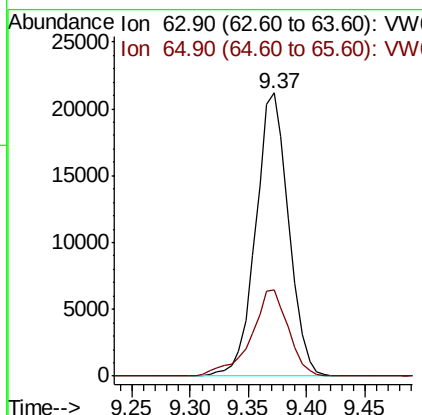
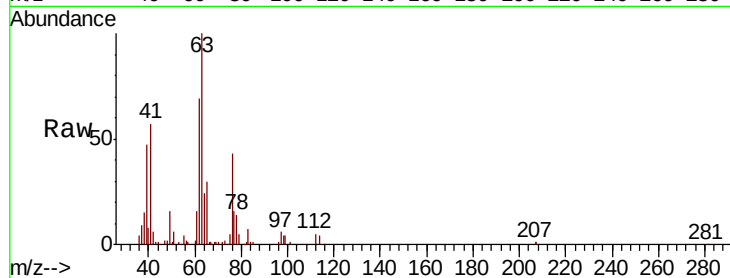




#45
 1,2-Dichloropropane
 Concen: 22.690 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW006425.D
 Acq: 27 Oct 2018 02:15

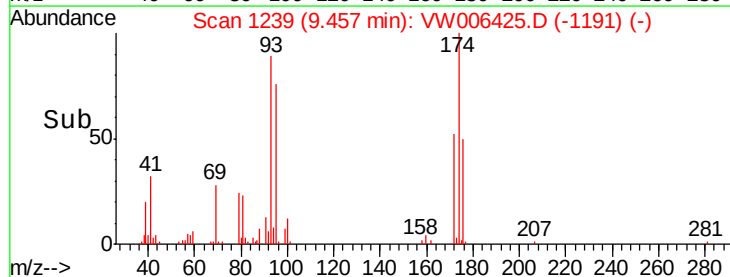
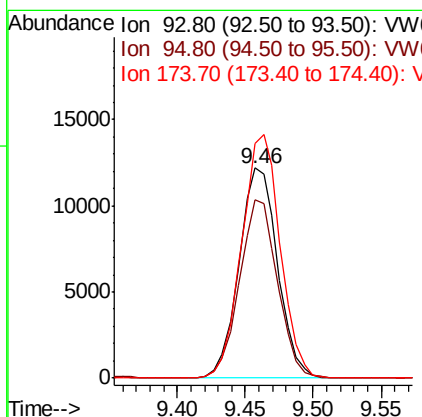
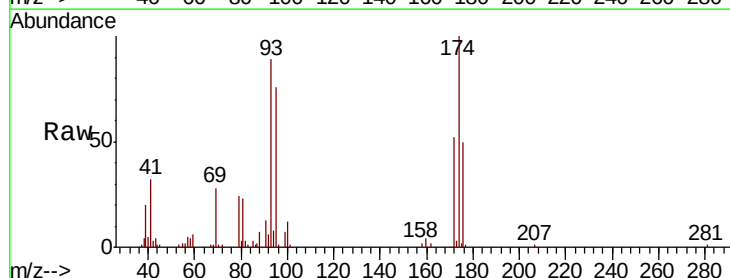
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1029SBS01

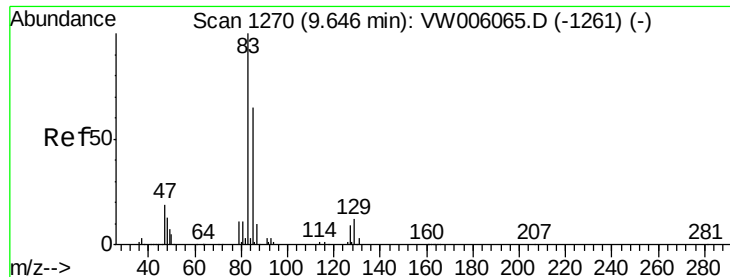
Tgt Ion: 63 Resp: 41711
 Ion Ratio Lower Upper
 63 100
 65 30.3 25.4 38.0



#46
 Dibromomethane
 Concen: 23.072 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW006425.D
 Acq: 27 Oct 2018 02:15

Tgt Ion: 93 Resp: 24174
 Ion Ratio Lower Upper
 93 100
 95 83.3 67.7 101.5
 174 115.8 93.7 140.5





#47

Bromodichloromethane

Concen: 21.198 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW006425.D

Acq: 27 Oct 2018 02:15

Instrument :

MSVOA_W

ClientSampleId :

VW1029SBSD01

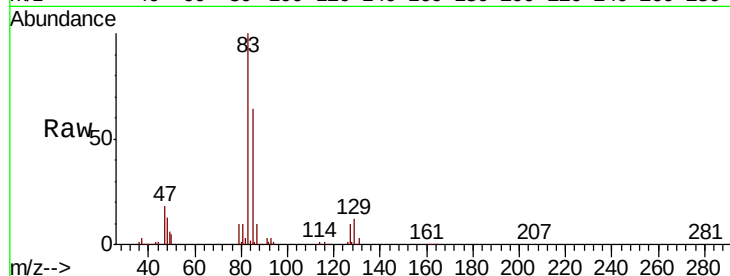
Tgt Ion: 83 Resp: 53847

Ion Ratio Lower Upper

83 100

85 64.1 51.8 77.8

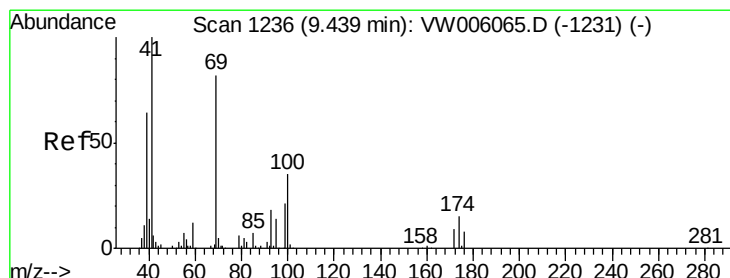
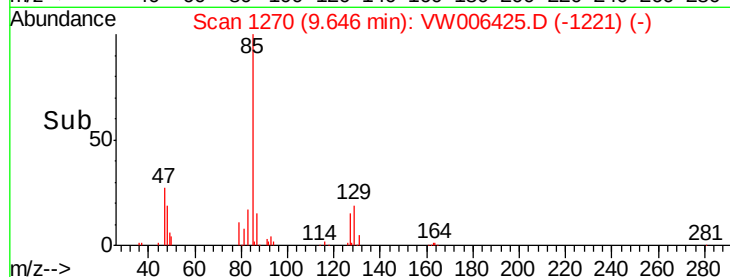
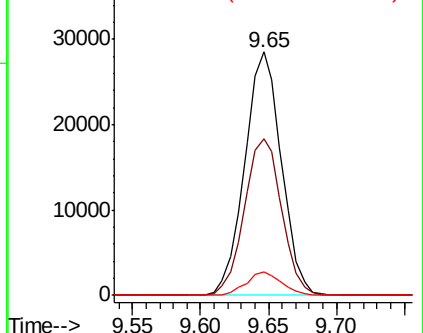
127 9.8 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 20.497 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW006425.D

Acq: 27 Oct 2018 02:15

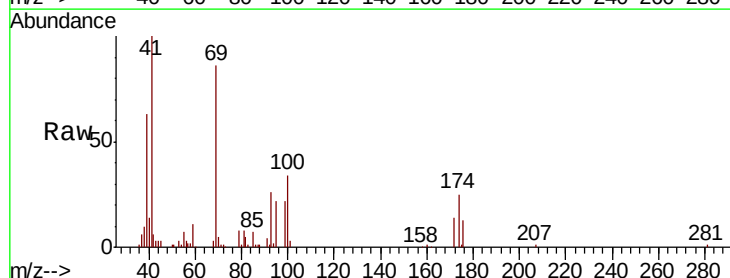
Tgt Ion: 41 Resp: 20671

Ion Ratio Lower Upper

41 100

69 96.6 71.8 107.8

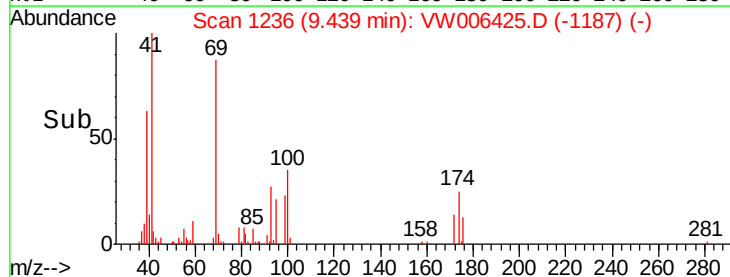
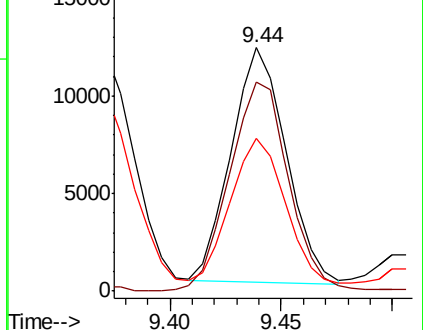
39 69.5 52.5 78.7

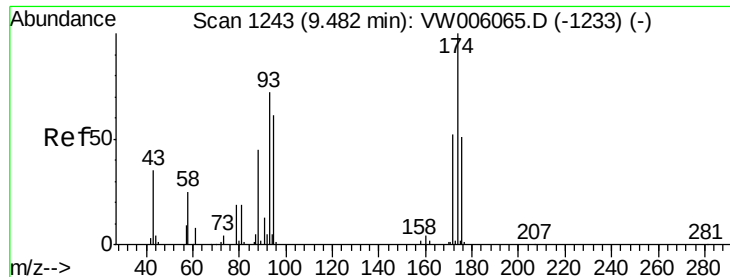


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

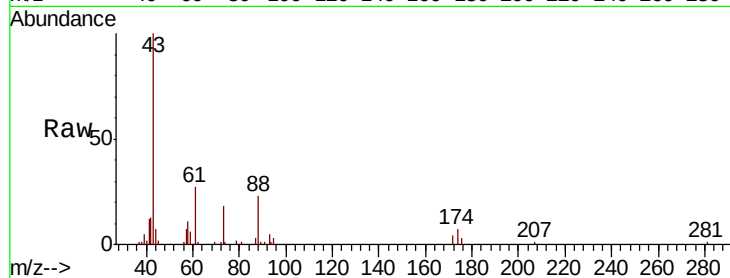




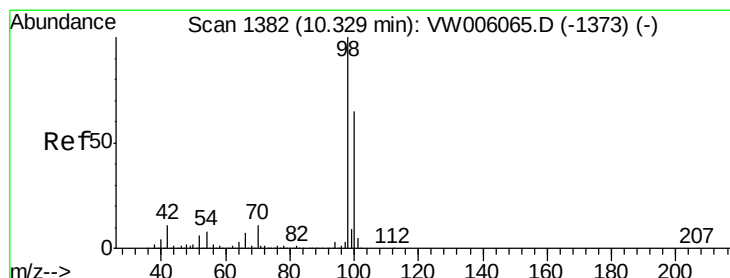
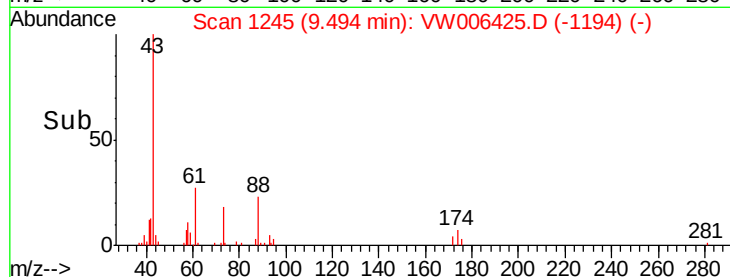
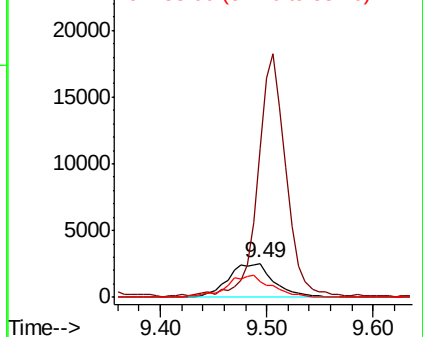
#49
1,4-Dioxane
Concen: 467.826 ug/l
RT: 9.49 min Scan# 1245
Delta R.T. 0.01 min
Lab File: VW006425.D
Acq: 27 Oct 2018 02:15

Instrument :
MSVOA_W
ClientSampleId :
VW1029SBSD01

Tgt Ion: 88 Resp: 7546
Ion Ratio Lower Upper
88 100
43 455.5 0.0 0.0#
58 63.9 51.2 76.8

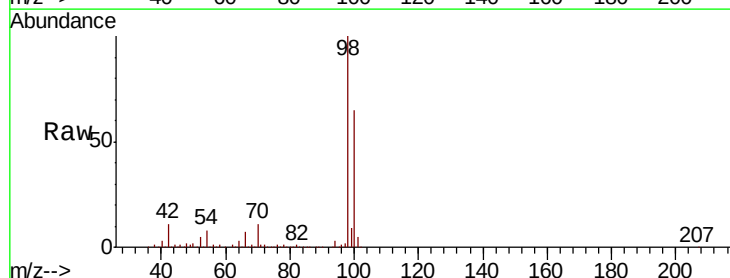


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

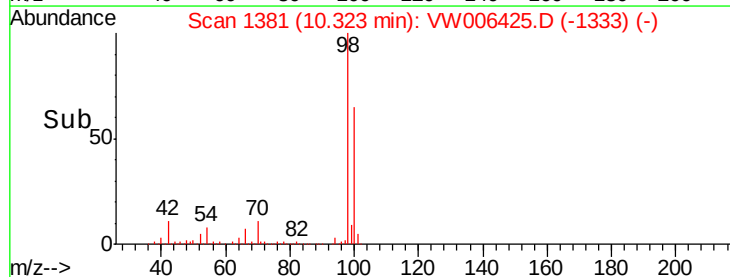
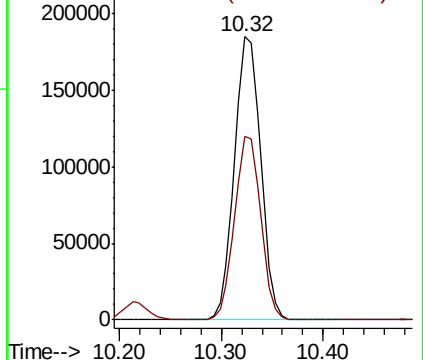


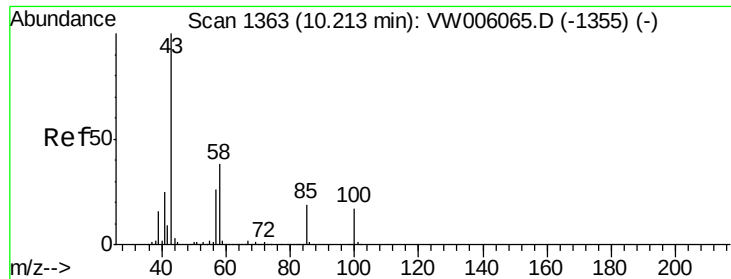
#50
Toluene-d8
Concen: 48.210 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VW006425.D
Acq: 27 Oct 2018 02:15

Tgt Ion: 98 Resp: 329305
Ion Ratio Lower Upper
98 100
100 64.5 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

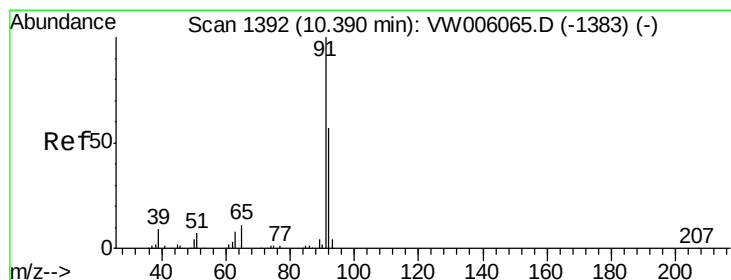
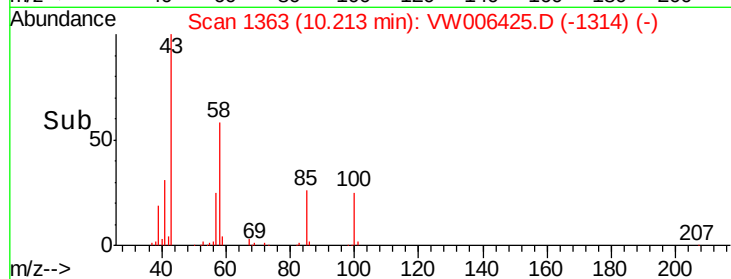
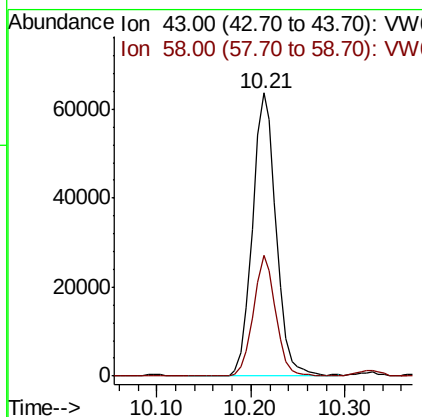
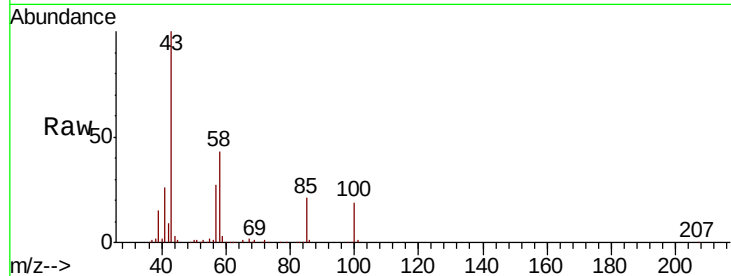




#51
 4-Methyl-2-Pentanone
 Concen: 105.926 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW006425.D
 Acq: 27 Oct 2018 02:15

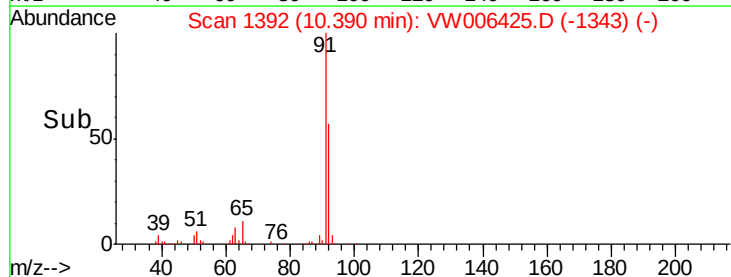
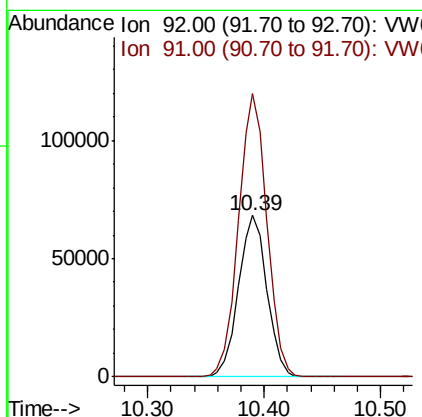
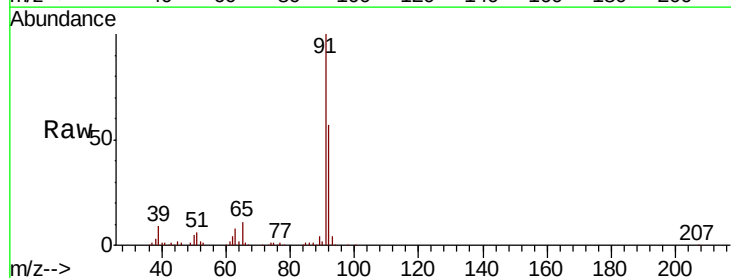
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1029SBSD01

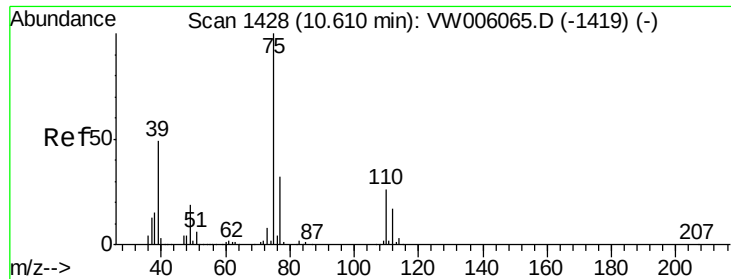
Tgt Ion: 43 Resp: 112915
 Ion Ratio Lower Upper
 43 100
 58 40.4 31.5 47.3



#52
 Toluene
 Concen: 22.705 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW006425.D
 Acq: 27 Oct 2018 02:15

Tgt Ion: 92 Resp: 116941
 Ion Ratio Lower Upper
 92 100
 91 174.1 140.0 210.0

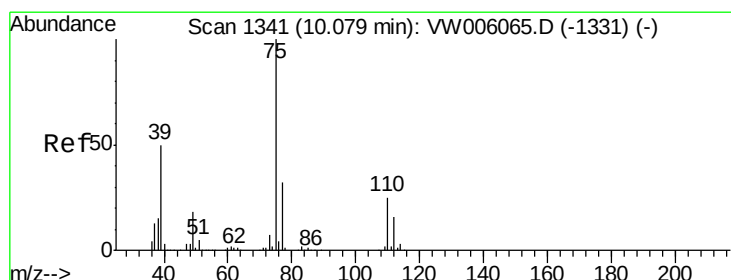
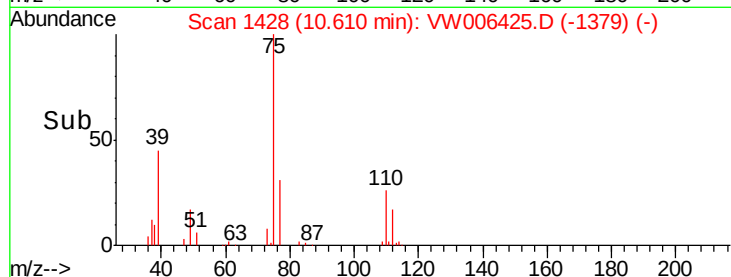
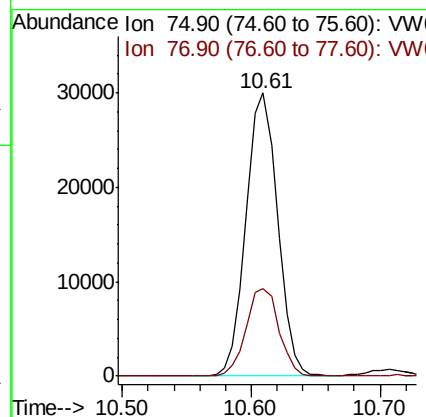
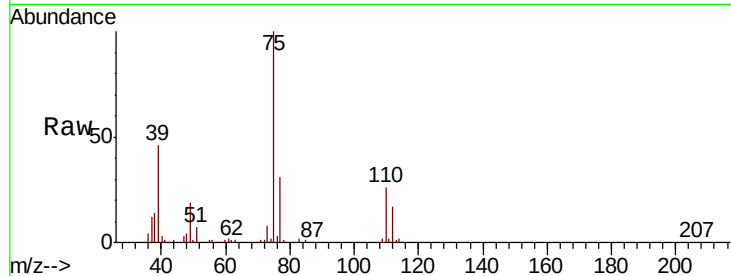




#53
t-1,3-Dichloropropene
Concen: 20.080 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. -0.00 min
Lab File: VW006425.D
Acq: 27 Oct 2018 02:15

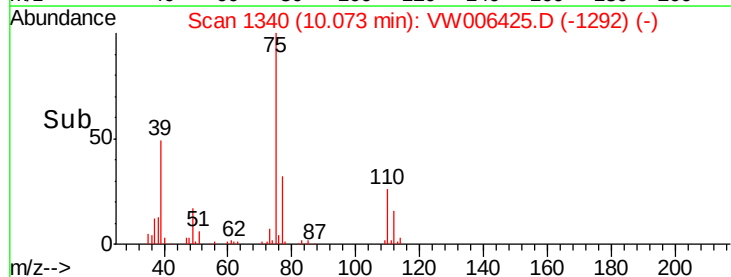
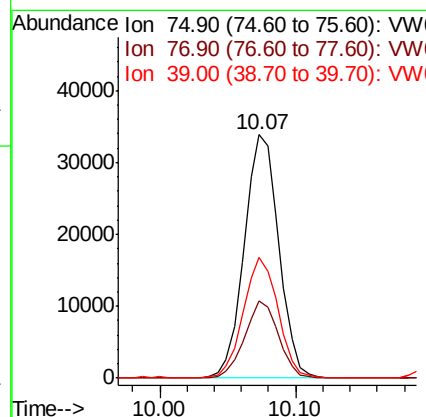
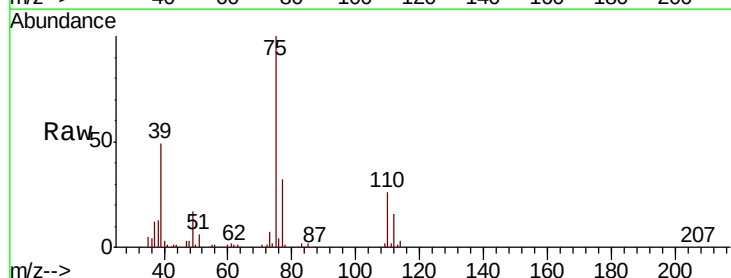
Instrument :
MSVOA_W
ClientSampleId :
VW1029SBSD01

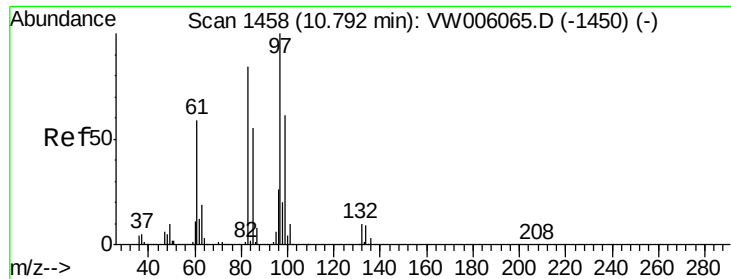
Tgt Ion: 75 Resp: 50821
Ion Ratio Lower Upper
75 100
77 30.8 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 20.682 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.01 min
Lab File: VW006425.D
Acq: 27 Oct 2018 02:15

Tgt Ion: 75 Resp: 60074
Ion Ratio Lower Upper
75 100
77 31.9 25.2 37.8
39 49.5 39.9 59.9



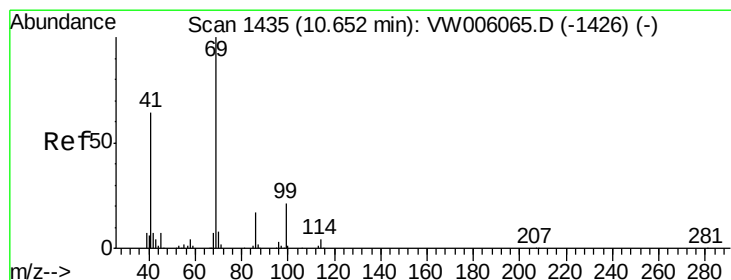
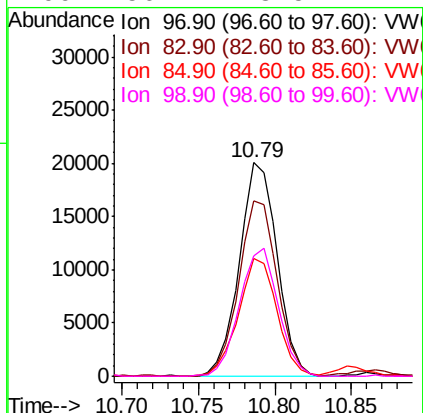
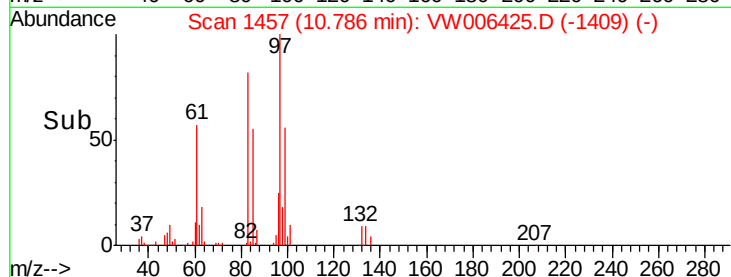
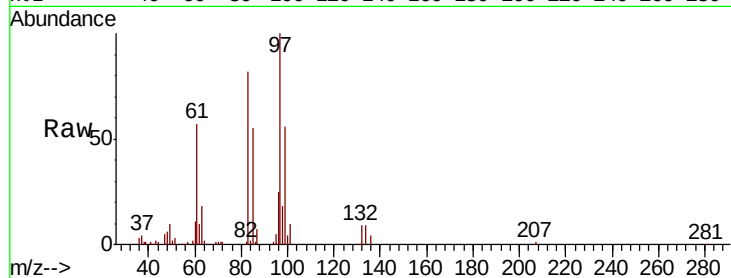


#55
 1,1,2-Trichloroethane
 Concen: 23.516 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW006425.D
 Acq: 27 Oct 2018 02:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1029SBSD01

Tgt Ion: 97 Resp: 34480

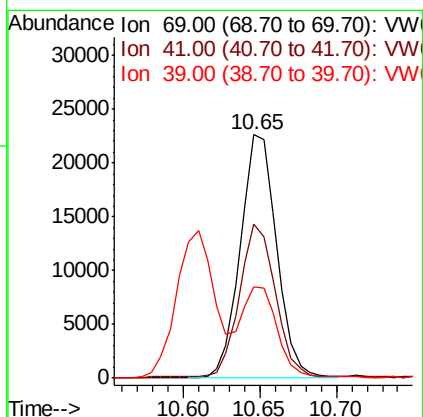
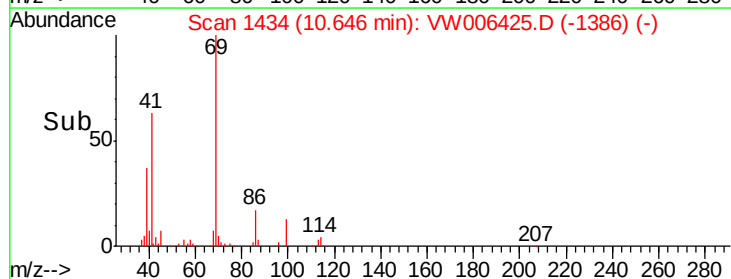
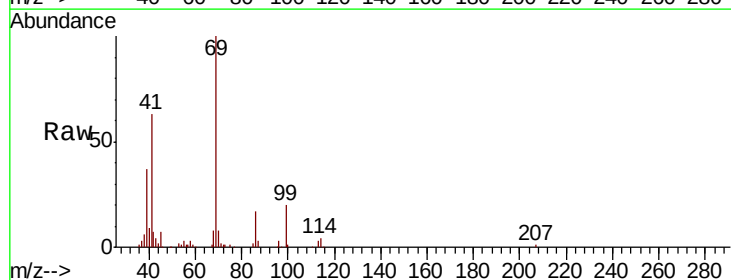
Ion	Ratio	Lower	Upper
97	100		
83	81.8	67.2	100.8
85	55.4	43.7	65.5
99	56.1	48.5	72.7

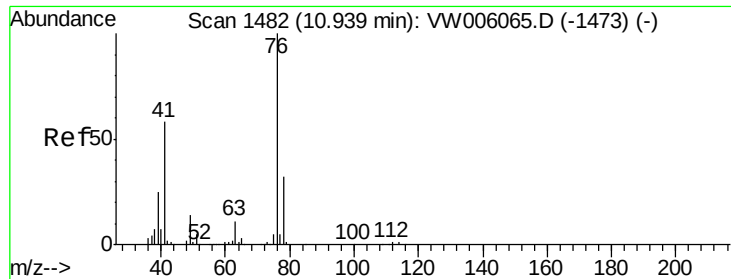


#56
 Ethyl methacrylate
 Concen: 20.817 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: VW006425.D
 Acq: 27 Oct 2018 02:15

Tgt Ion: 69 Resp: 37418

Ion	Ratio	Lower	Upper
69	100		
41	63.3	52.8	79.2
39	38.9	30.6	45.8

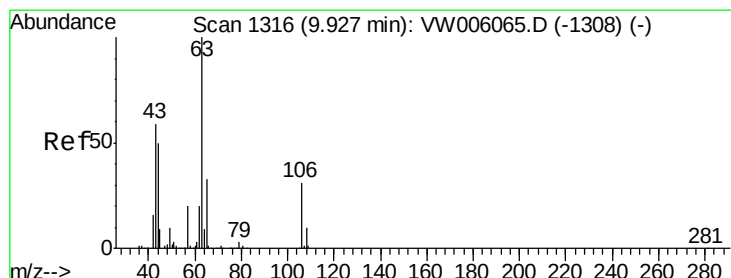
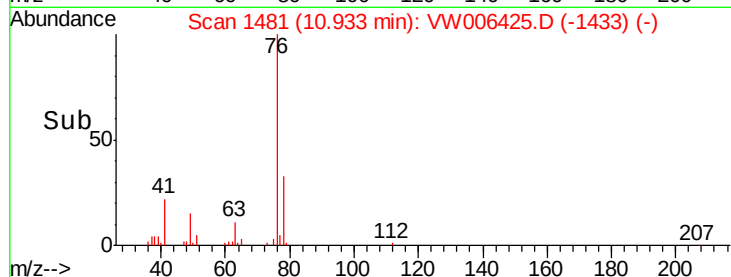
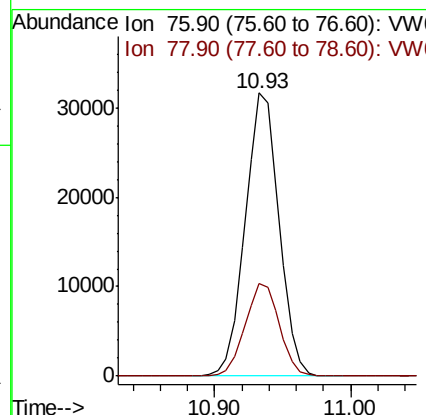
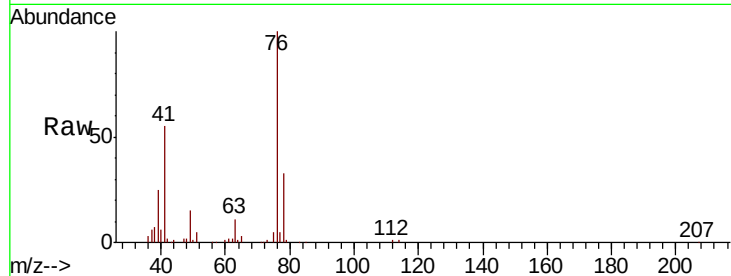




#57
 1,3-Dichloropropane
 Concen: 22.656 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: VW006425.D
 Acq: 27 Oct 2018 02:15

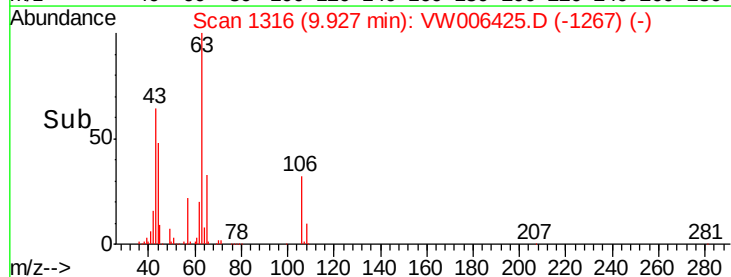
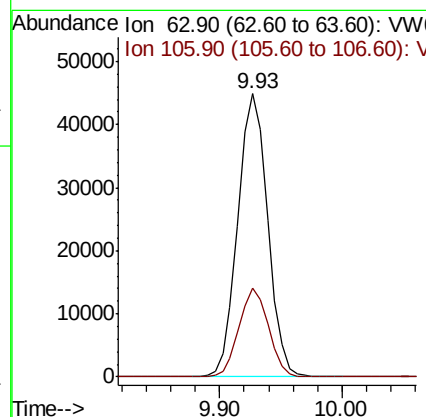
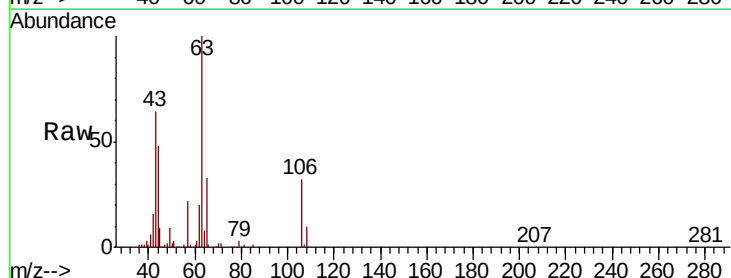
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1029SBS01

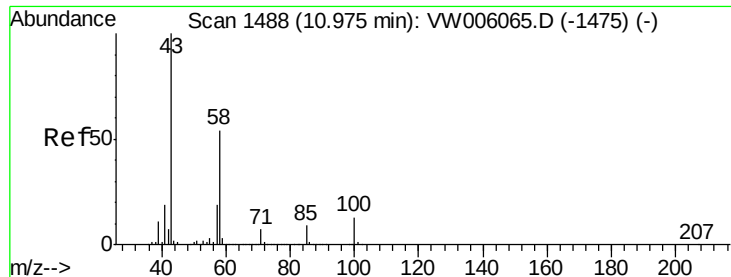
Tgt Ion: 76 Resp: 54990
 Ion Ratio Lower Upper
 76 100
 78 33.1 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 110.082 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW006425.D
 Acq: 27 Oct 2018 02:15

Tgt Ion: 63 Resp: 75608
 Ion Ratio Lower Upper
 63 100
 106 31.1 24.5 36.7

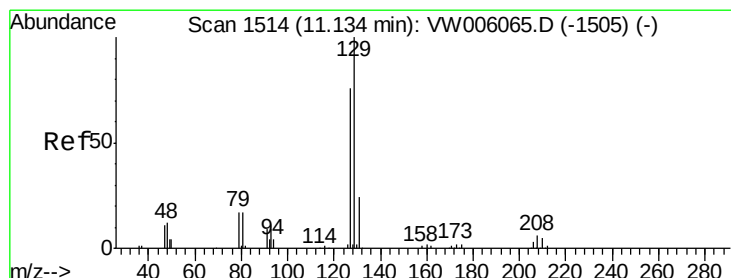
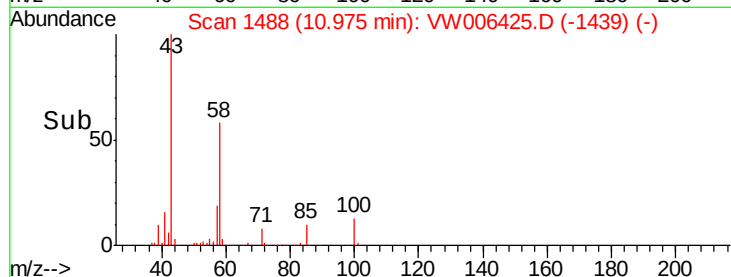
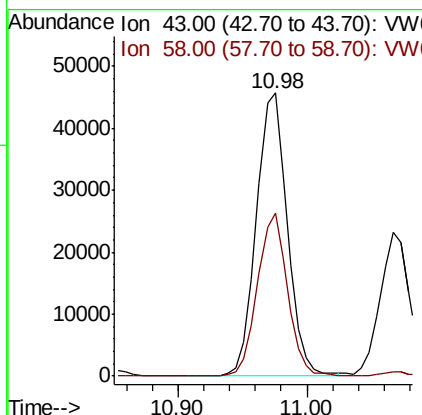
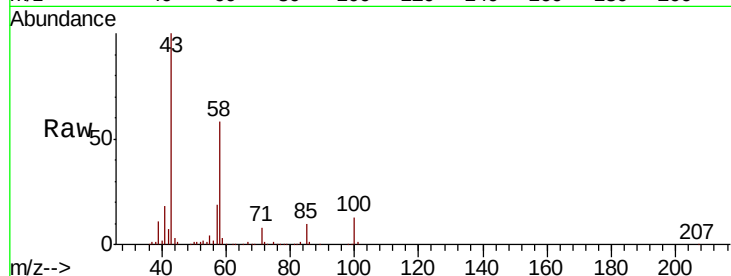




#59
2-Hexanone
Concen: 99.788 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VW006425.D
Acq: 27 Oct 2018 02:15

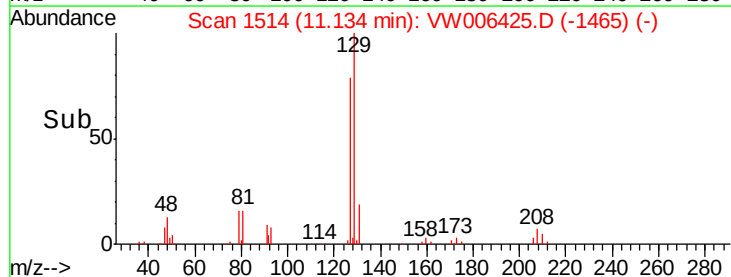
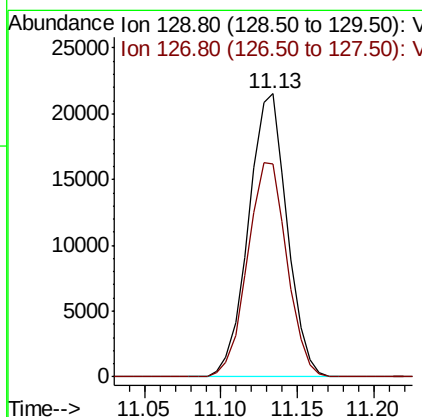
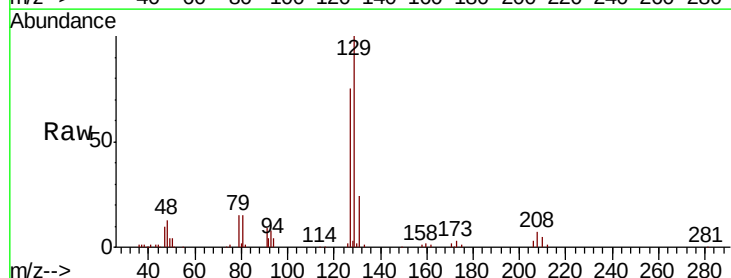
Instrument :
MSVOA_W
ClientSampleId :
VW1029SBSD01

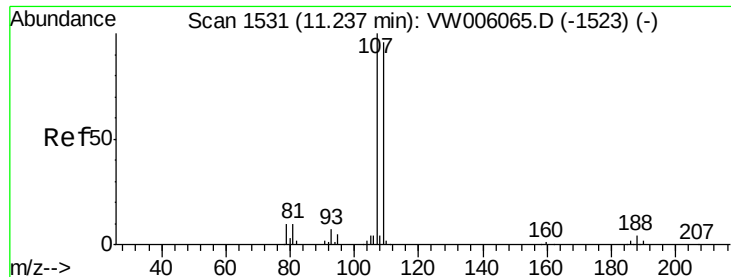
Tgt Ion: 43 Resp: 75932
Ion Ratio Lower Upper
43 100
58 55.7 26.9 80.6



#60
Dibromochloromethane
Concen: 20.686 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW006425.D
Acq: 27 Oct 2018 02:15

Tgt Ion: 129 Resp: 37780
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.7





#61

1,2-Dibromoethane

Concen: 22.724 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW006425.D

Acq: 27 Oct 2018 02:15

Instrument :

MSVOA_W

ClientSampleId :

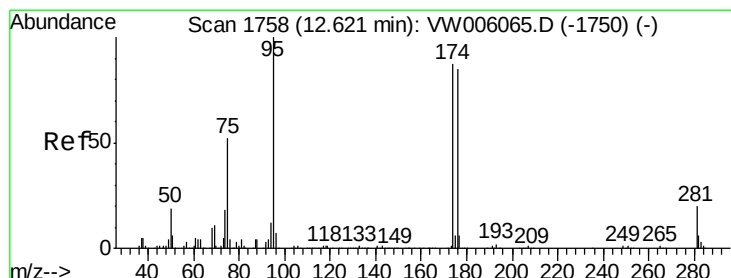
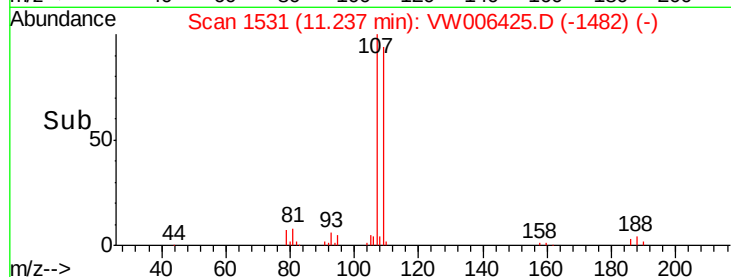
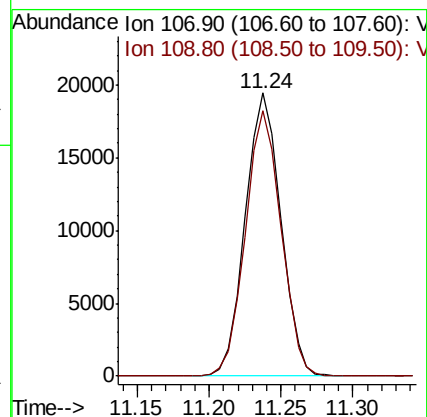
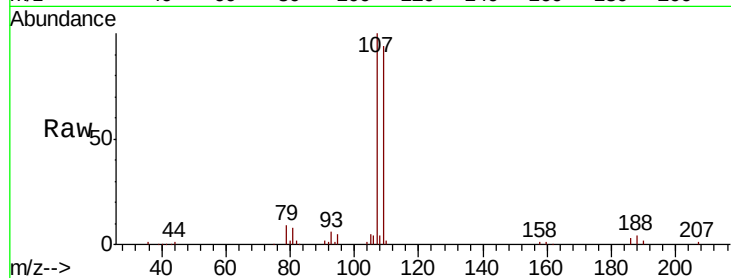
VW1029SBSD01

Tgt Ion: 107 Resp: 33291

Ion Ratio Lower Upper

107 100

109 93.7 76.3 114.5



#62

4-Bromofluorobenzene

Concen: 48.437 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW006425.D

Acq: 27 Oct 2018 02:15

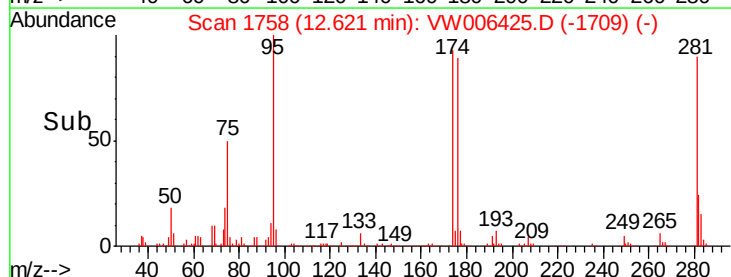
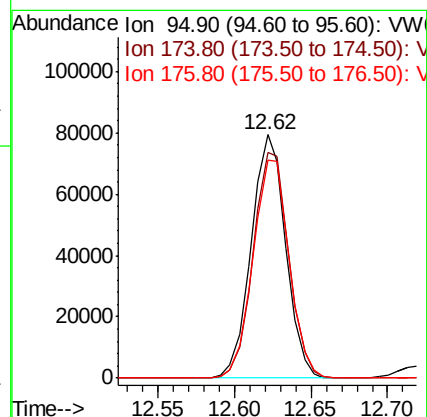
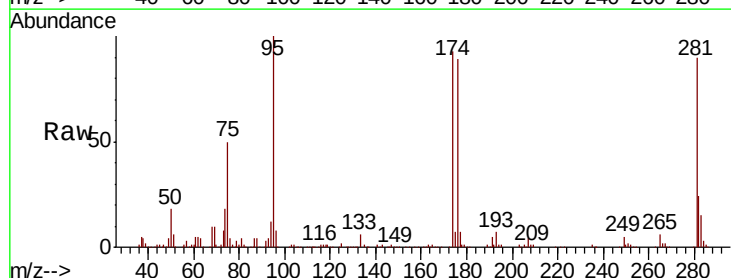
Tgt Ion: 95 Resp: 124267

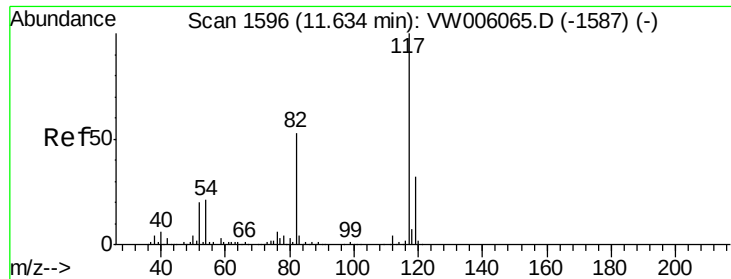
Ion Ratio Lower Upper

95 100

174 95.8 0.0 186.0

176 93.9 0.0 181.6

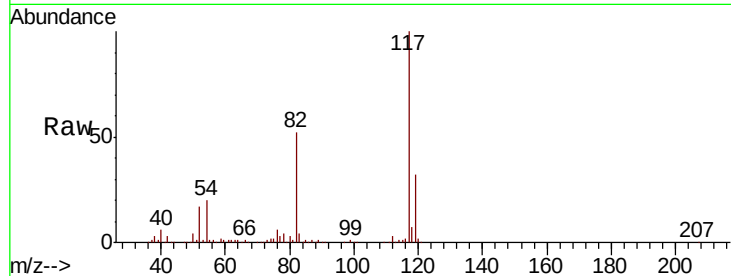




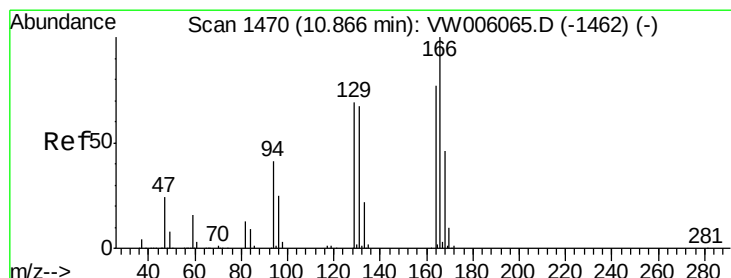
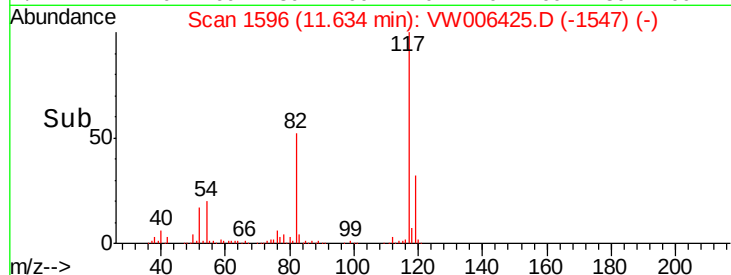
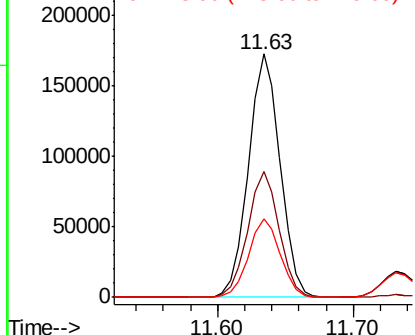
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006425.D
Acq: 27 Oct 2018 02:15

Instrument :
MSVOA_W
ClientSampleId :
VW1029SBSD01

Tgt Ion:117 Resp: 280955
Ion Ratio Lower Upper
117 100
82 51.6 42.1 63.1
119 32.0 25.8 38.6

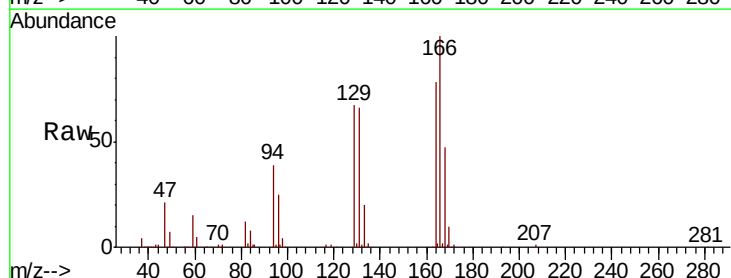


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

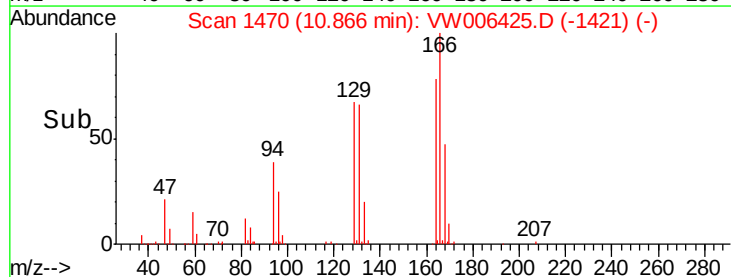
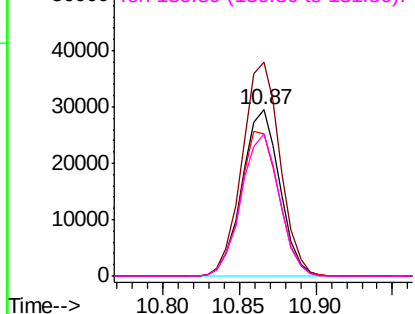


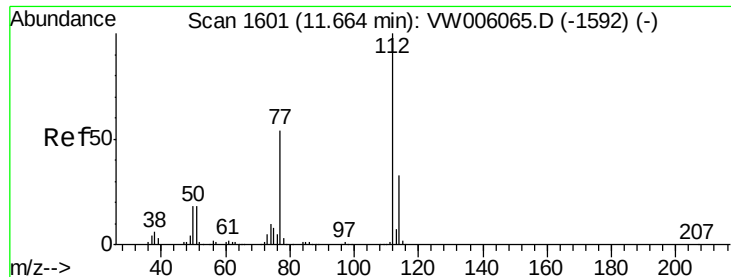
#64
Tetrachloroethene
Concen: 23.085 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW006425.D
Acq: 27 Oct 2018 02:15

Tgt Ion:164 Resp: 50349
Ion Ratio Lower Upper
164 100
166 128.8 103.4 155.0
129 85.9 71.8 107.8
131 85.4 69.5 104.3



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

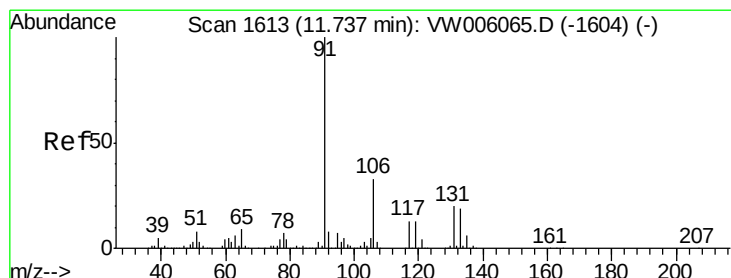
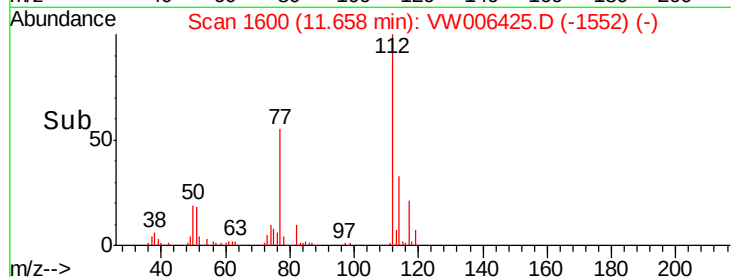
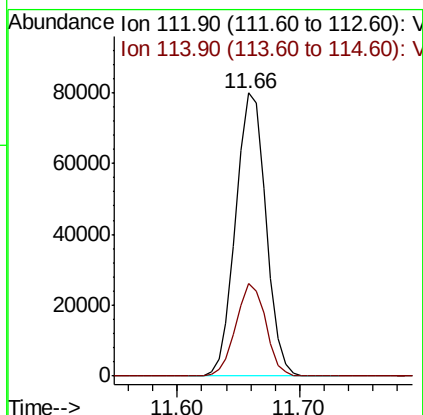
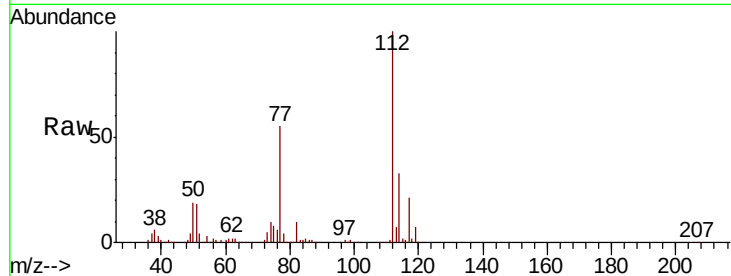




#65
Chlorobenzene
Concen: 22.750 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VW006425.D
Acq: 27 Oct 2018 02:15

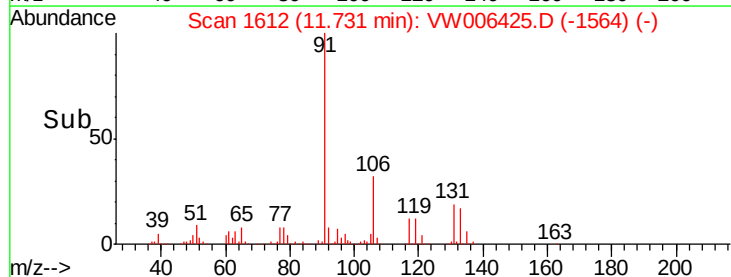
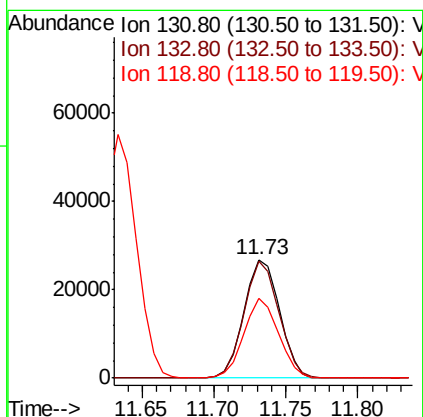
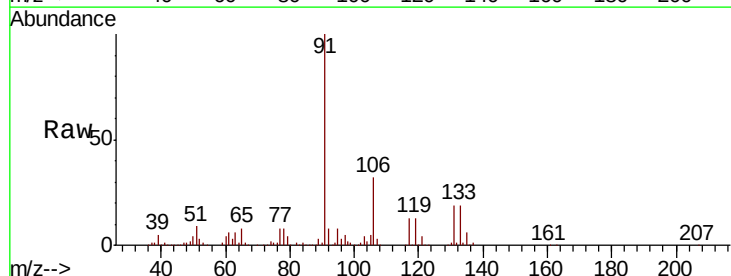
Instrument :
MSVOA_W
ClientSampleId :
VW1029SBSD01

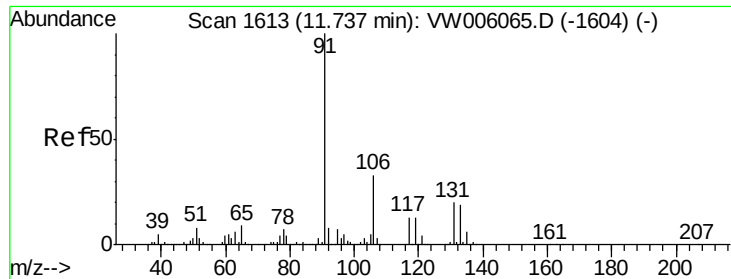
Tgt Ion:112 Resp: 136827
Ion Ratio Lower Upper
112 100
114 32.8 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 21.465 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.01 min
Lab File: VW006425.D
Acq: 27 Oct 2018 02:15

Tgt Ion:131 Resp: 45879
Ion Ratio Lower Upper
131 100
133 96.7 48.1 144.3
119 65.0 31.6 94.7

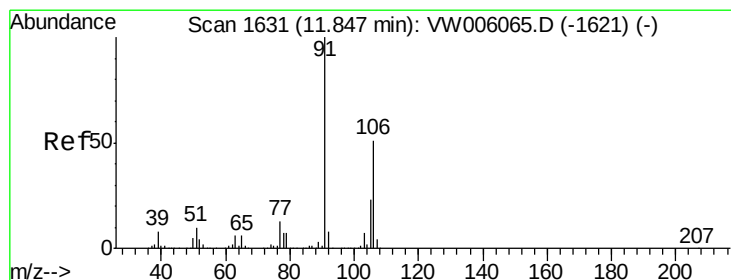
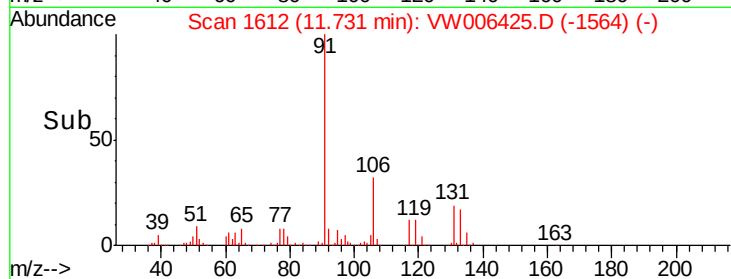
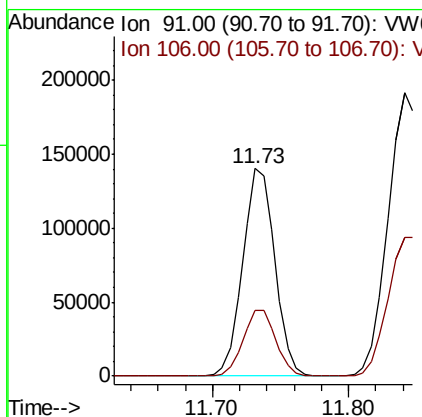
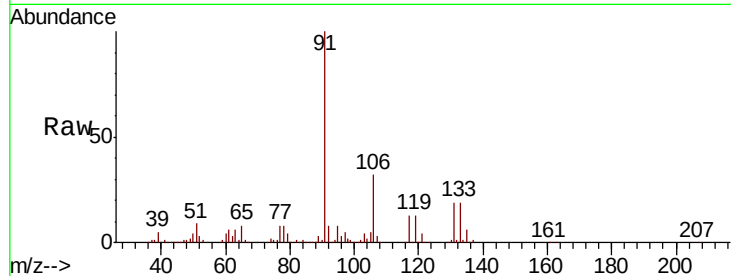




#67
Ethyl Benzene
Concen: 22.210 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.01 min
Lab File: VW006425.D
Acq: 27 Oct 2018 02:15

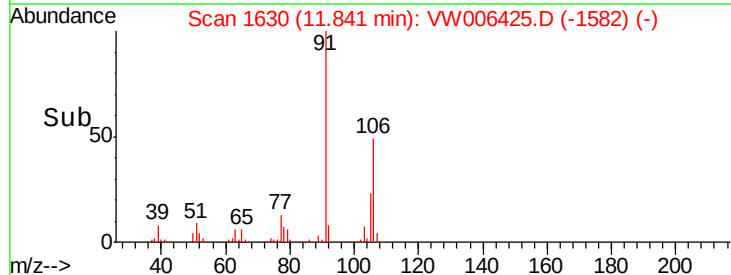
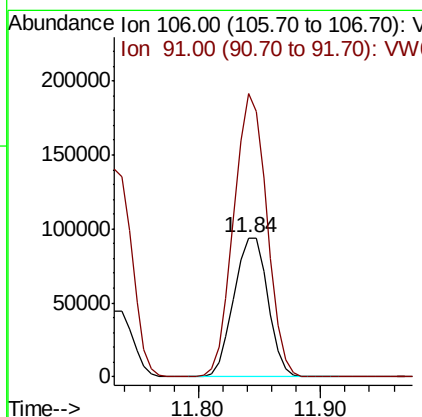
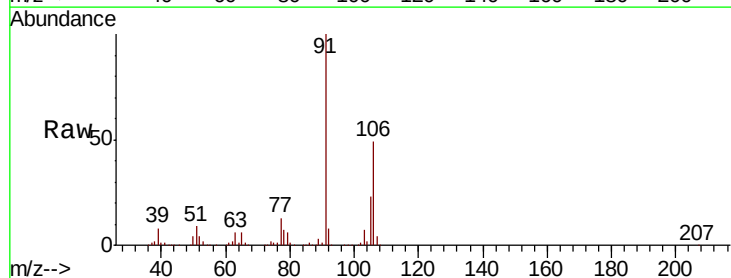
Instrument :
MSVOA_W
ClientSampleId :
VW1029SBSD01

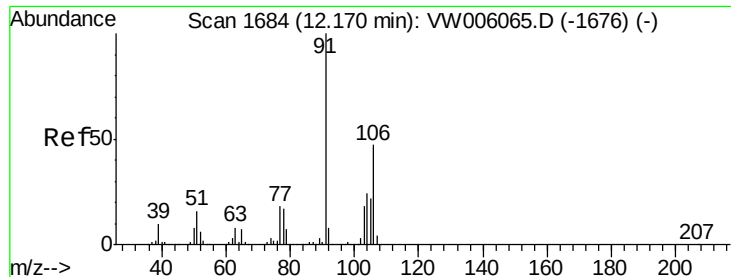
Tgt Ion: 91 Resp: 231495
Ion Ratio Lower Upper
91 100
106 31.9 26.1 39.1



#68
m/p-Xylenes
Concen: 44.133 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006425.D
Acq: 27 Oct 2018 02:15

Tgt Ion: 106 Resp: 181818
Ion Ratio Lower Upper
106 100
91 197.5 159.1 238.7

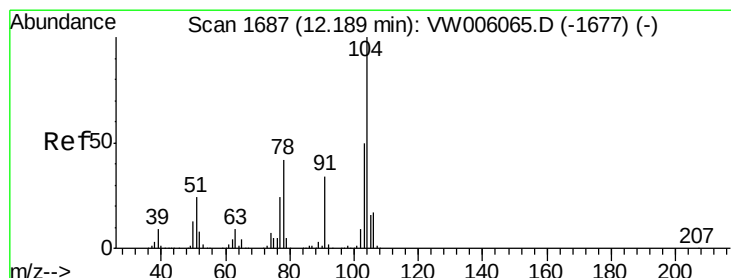
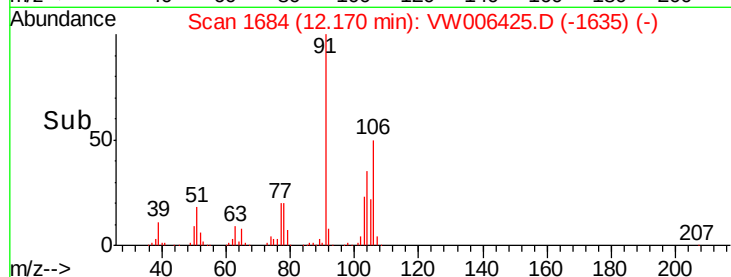
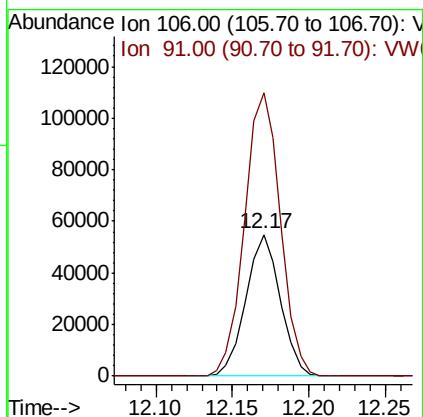
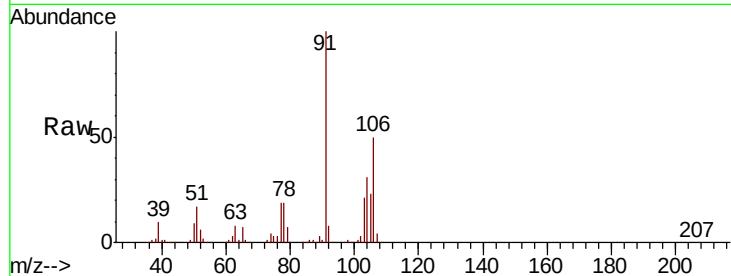




#69
o-Xylene
Concen: 21.874 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006425.D
Acq: 27 Oct 2018 02:15

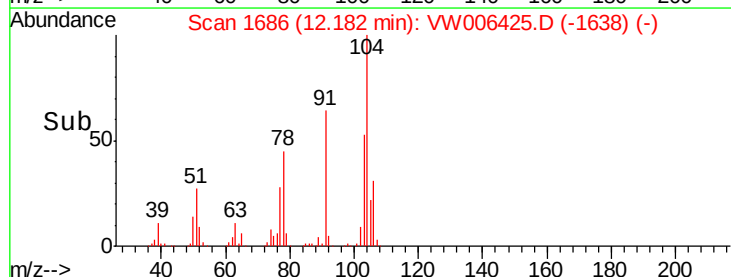
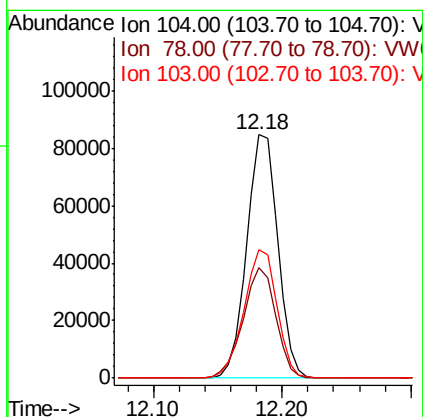
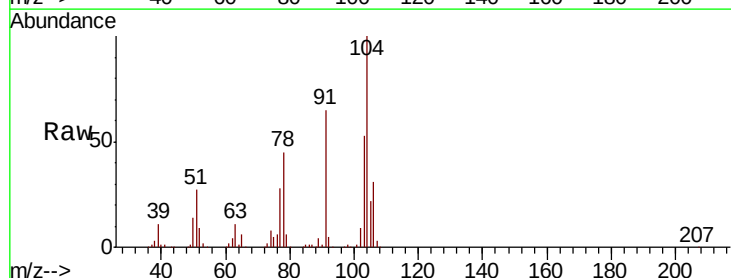
Instrument :
MSVOA_W
ClientSampleId :
VW1029SBSD01

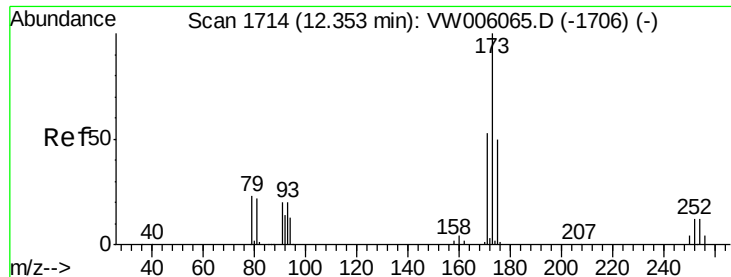
Tgt Ion:106 Resp: 85885
Ion Ratio Lower Upper
106 100
91 207.9 105.4 316.1



#70
Styrene
Concen: 22.064 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VW006425.D
Acq: 27 Oct 2018 02:15

Tgt Ion:104 Resp: 140874
Ion Ratio Lower Upper
104 100
78 47.8 39.1 58.7
103 55.9 44.3 66.5





#71

Bromoform

Concen: 19.032 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW006425.D

Acq: 27 Oct 2018 02:15

Instrument :

MSVOA_W

ClientSampleId :

VW1029SBSD01

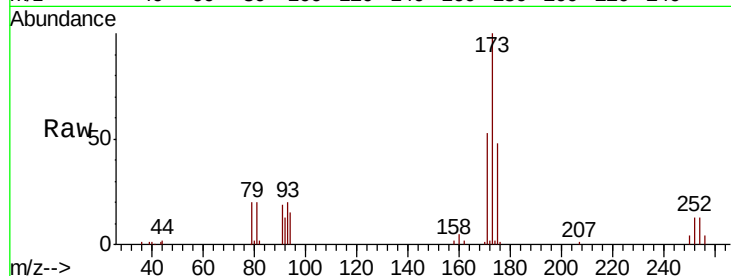
Tgt Ion:173 Resp: 22690

Ion Ratio Lower Upper

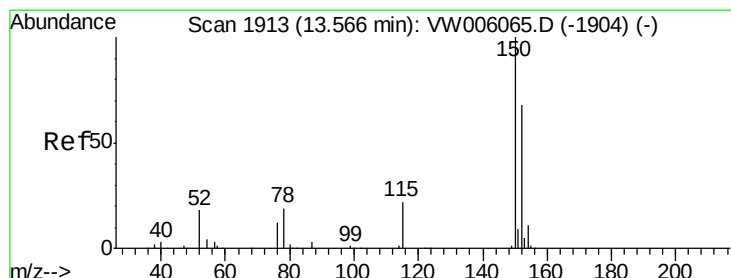
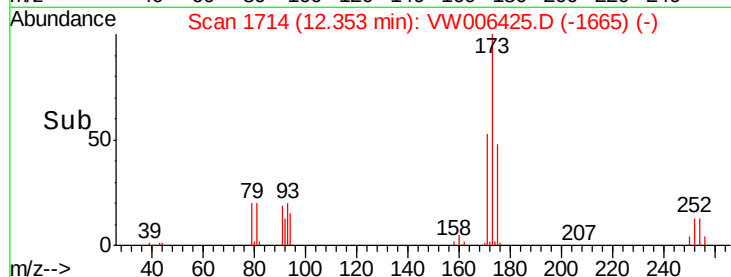
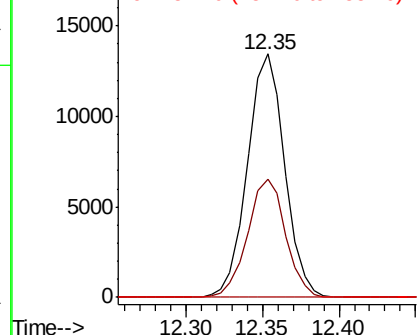
173 100

175 49.7 24.2 72.6

254 0.0 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: VW006425.D

Acq: 27 Oct 2018 02:15

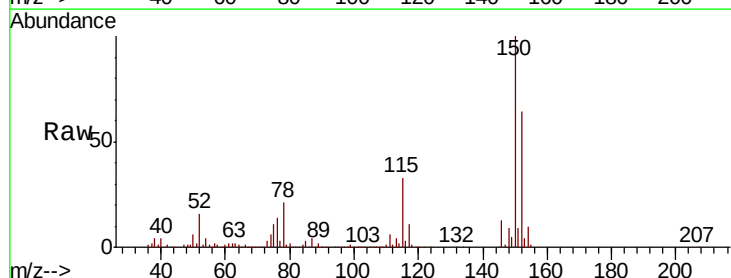
Tgt Ion:152 Resp: 156510

Ion Ratio Lower Upper

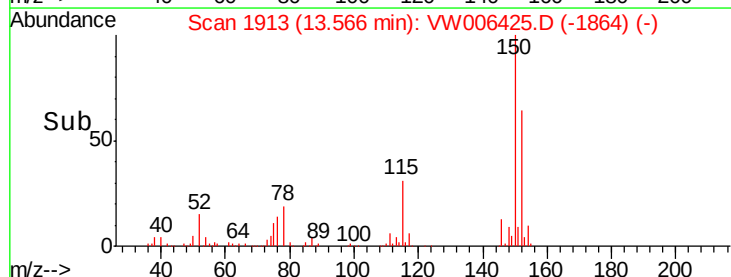
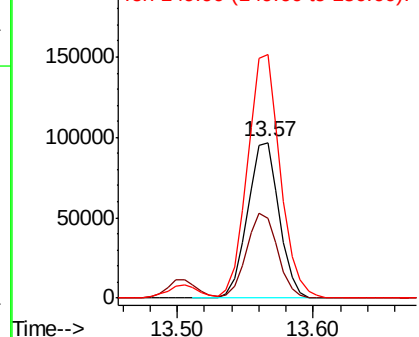
152 100

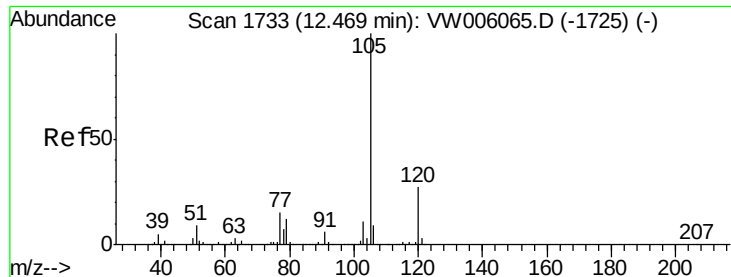
115 54.2 27.8 83.3

150 163.0 0.0 349.2



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





#73

Isopropylbenzene

Concen: 21.792 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW006425.D

Acq: 27 Oct 2018 02:15

Instrument :

MSVOA_W

ClientSampleId :

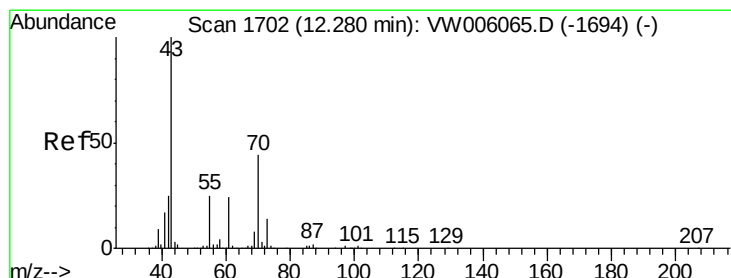
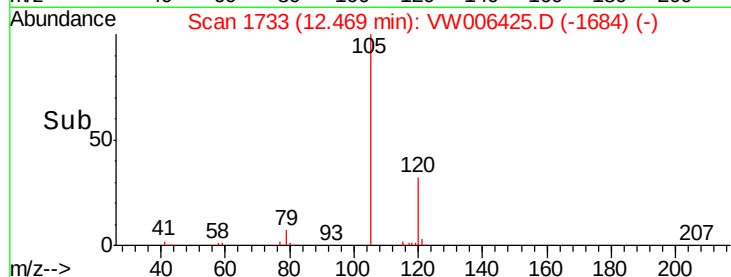
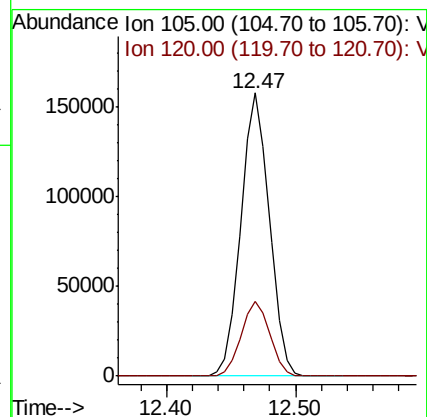
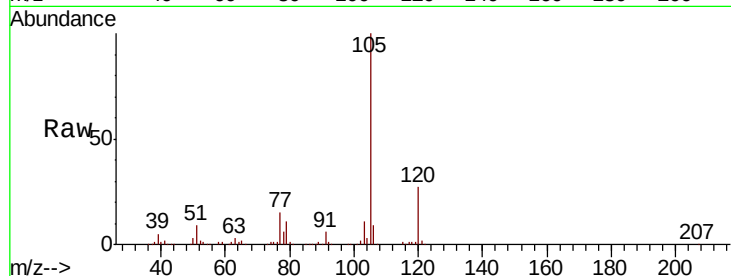
VW1029SBSD01

Tgt Ion:105 Resp: 240952

Ion Ratio Lower Upper

105 100

120 26.5 13.6 40.7



#74

N-ethyl acetate

Concen: 18.993 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VW006425.D

Acq: 27 Oct 2018 02:15

Tgt Ion: 43 Resp: 40789

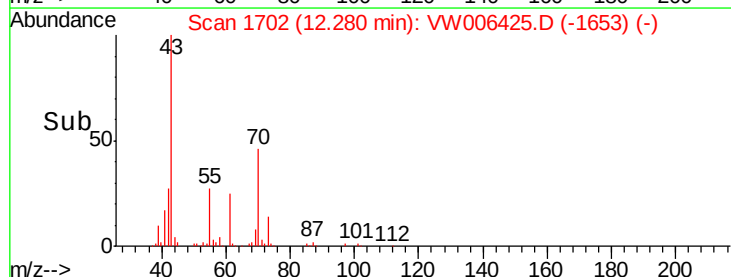
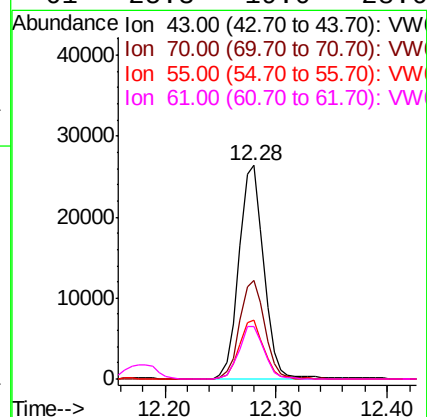
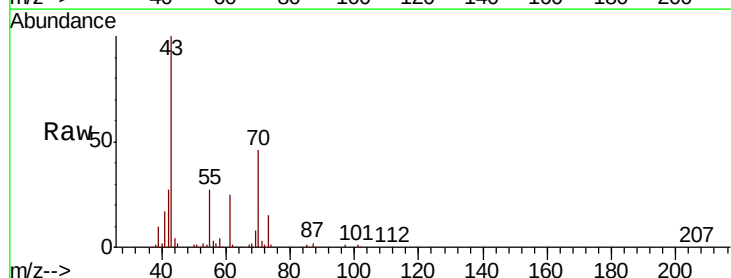
Ion Ratio Lower Upper

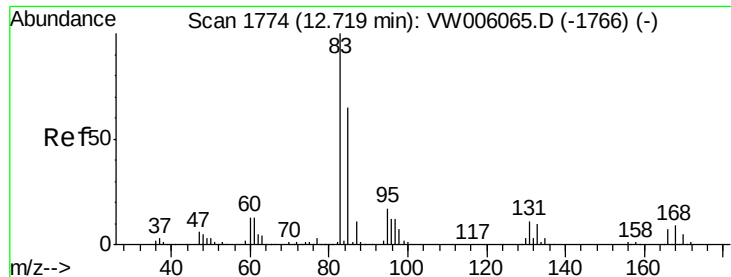
43 100

70 46.7 34.2 51.4

55 27.0 19.2 28.8

61 25.3 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.538 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW006425.D

Acq: 27 Oct 2018 02:15

Instrument :

MSVOA_W

ClientSampleId :

VW1029SBSD01

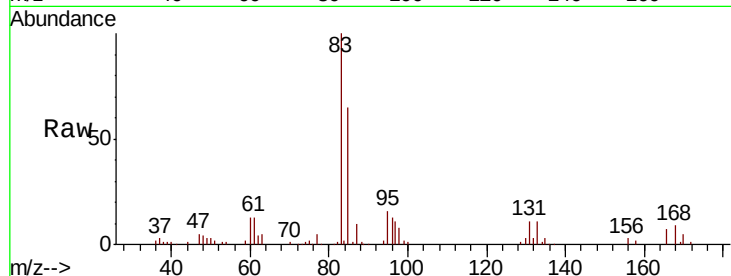
Tgt Ion: 83 Resp: 37903

Ion Ratio Lower Upper

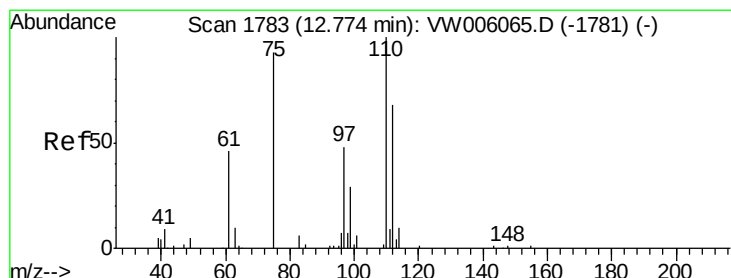
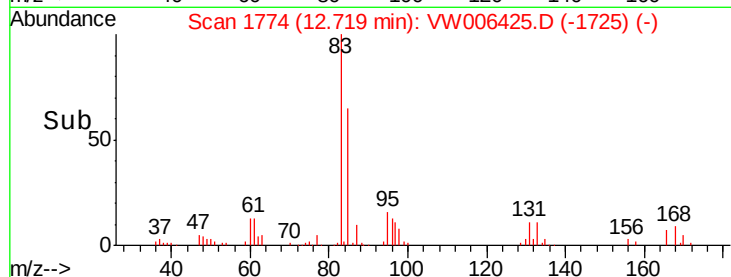
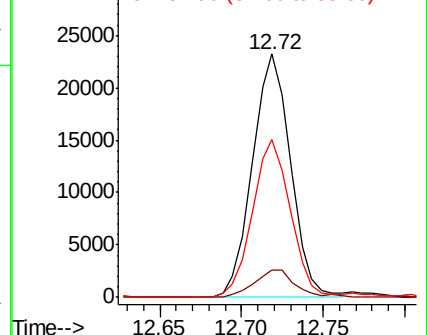
83 100

131 12.1 5.9 17.7

85 64.4 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 39.381 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW006425.D

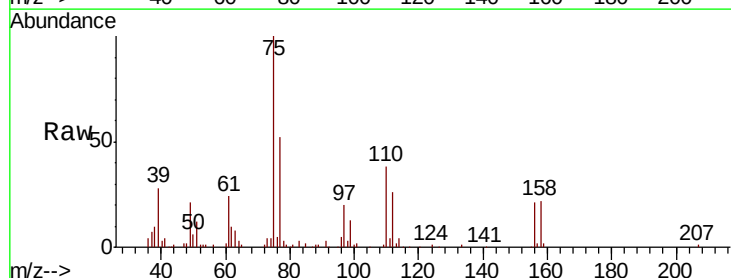
Acq: 27 Oct 2018 02:15

Tgt Ion: 75 Resp: 47077

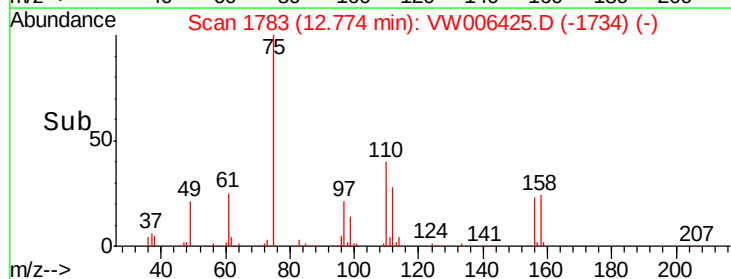
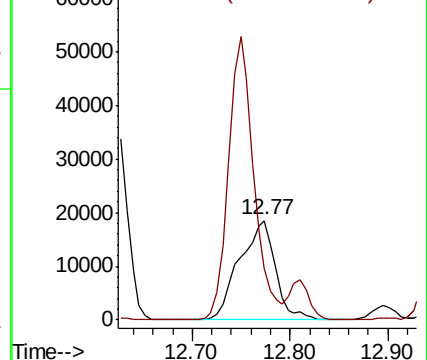
Ion Ratio Lower Upper

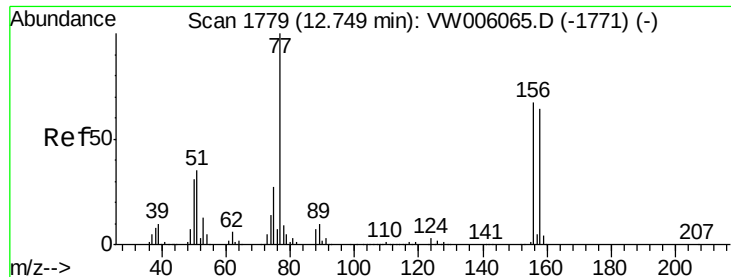
75 100

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: 22.564 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW006425.D

Acq: 27 Oct 2018 02:15

Instrument :

MSVOA_W

ClientSampleId :

VW1029SBSD01

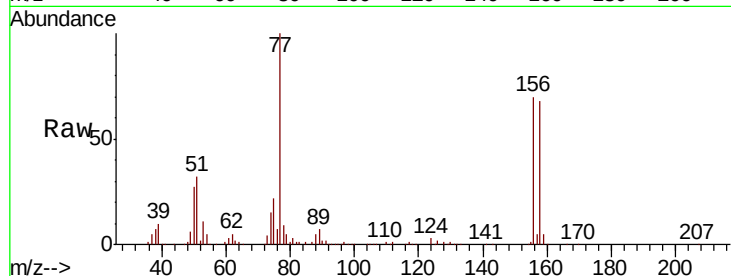
Tgt Ion:156 Resp: 61109

Ion Ratio Lower Upper

156 100

77 156.0 79.1 237.4

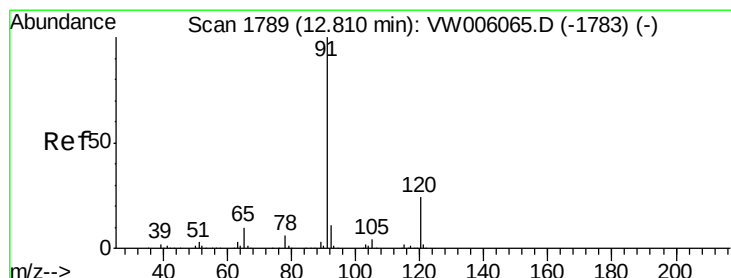
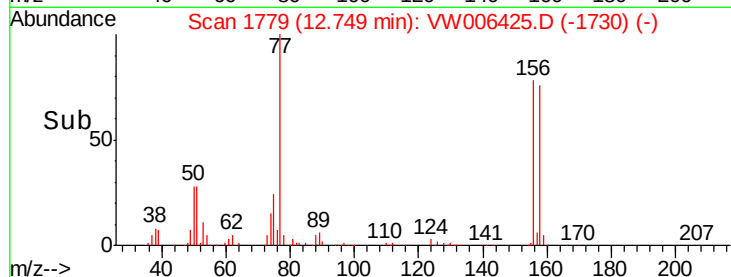
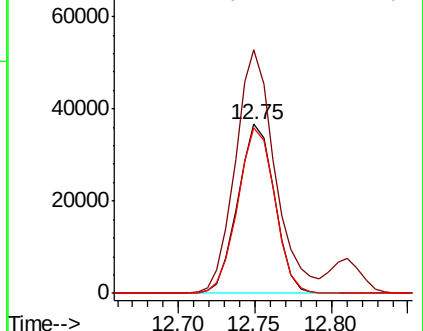
158 98.8 48.5 145.6



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: 21.912 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW006425.D

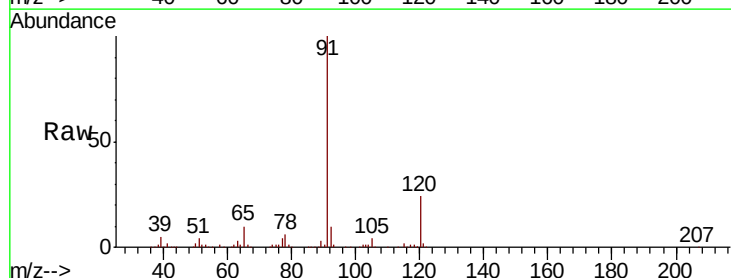
Acq: 27 Oct 2018 02:15

Tgt Ion: 91 Resp: 281868

Ion Ratio Lower Upper

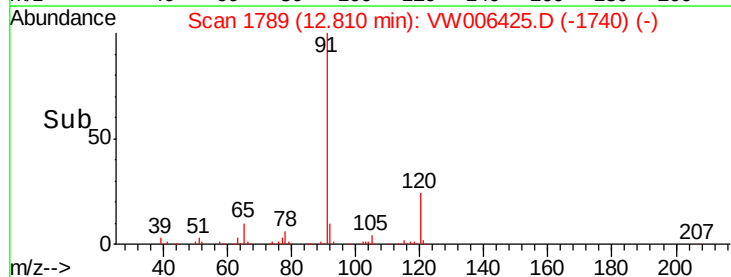
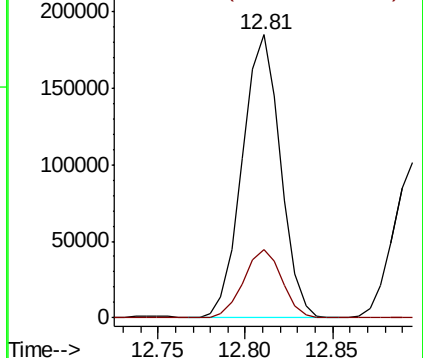
91 100

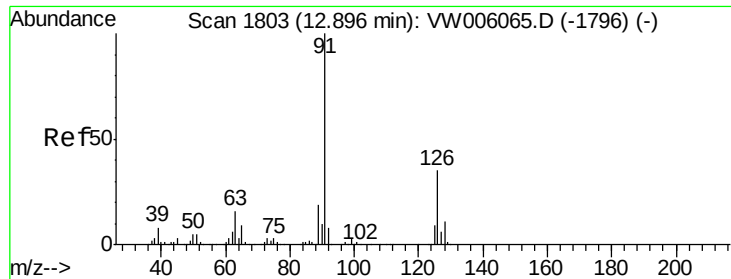
120 24.2 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.248 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW006425.D

Acq: 27 Oct 2018 02:15

Instrument :

MSVOA_W

ClientSampleId :

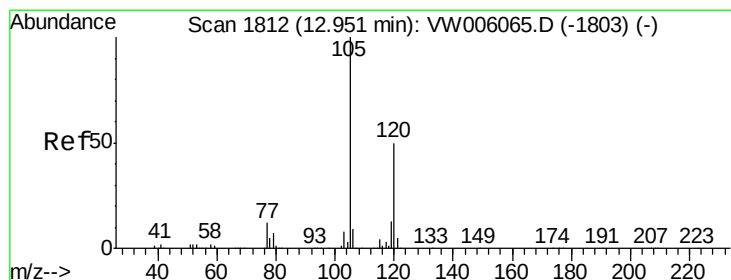
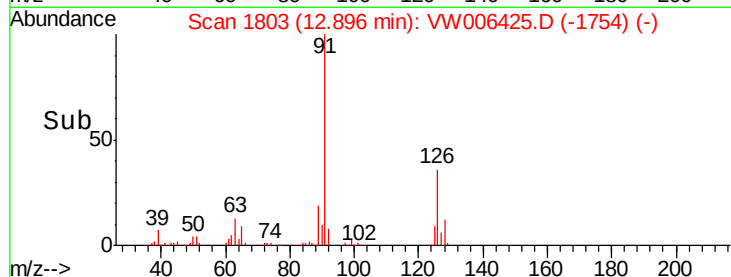
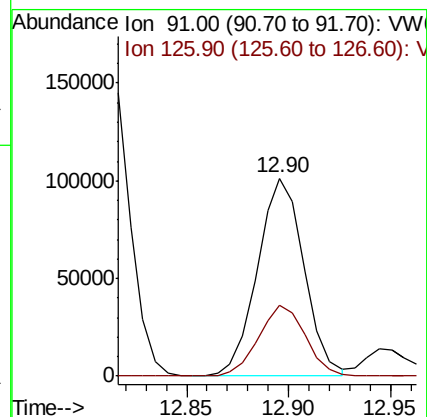
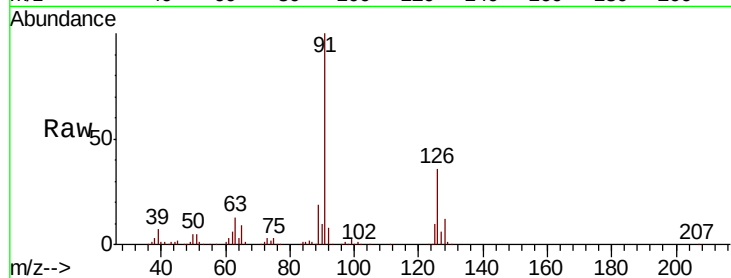
VW1029SBSD01

Tgt Ion: 91 Resp: 160804

Ion Ratio Lower Upper

91 100

126 36.2 17.9 53.8



#80

1,3,5-Trimethylbenzene

Concen: 21.642 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW006425.D

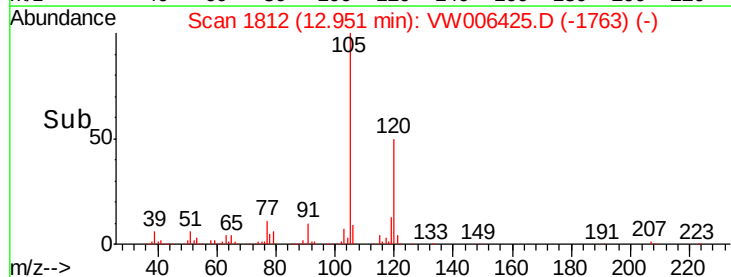
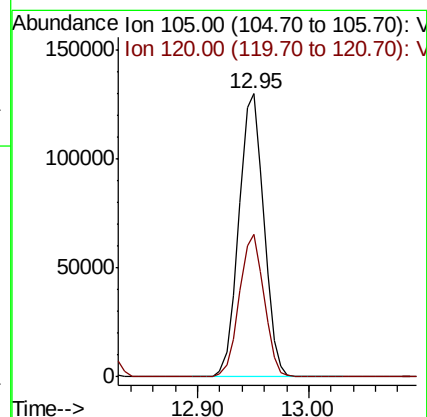
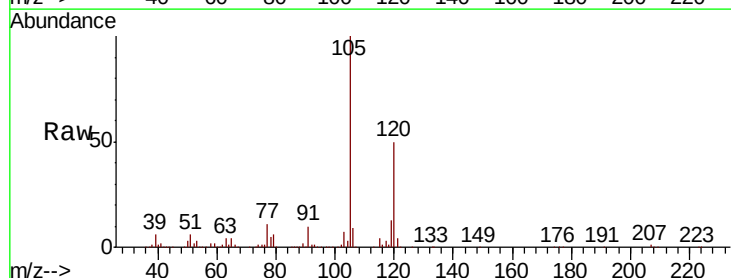
Acq: 27 Oct 2018 02:15

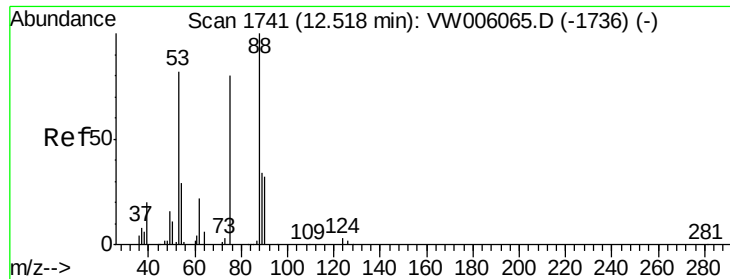
Tgt Ion: 105 Resp: 201734

Ion Ratio Lower Upper

105 100

120 50.0 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 16.897 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW006425.D

Acq: 27 Oct 2018 02:15

Instrument :

MSVOA_W

ClientSampleId :

VW1029SBSD01

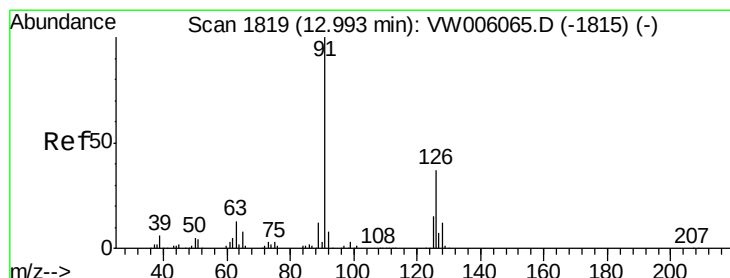
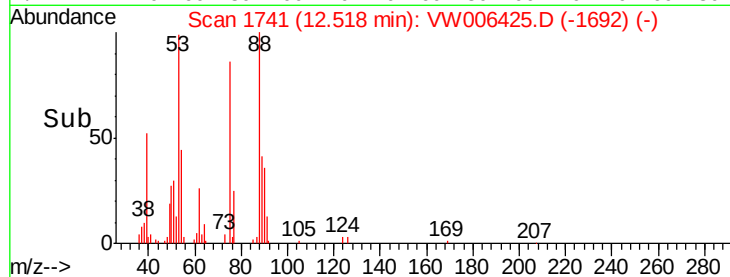
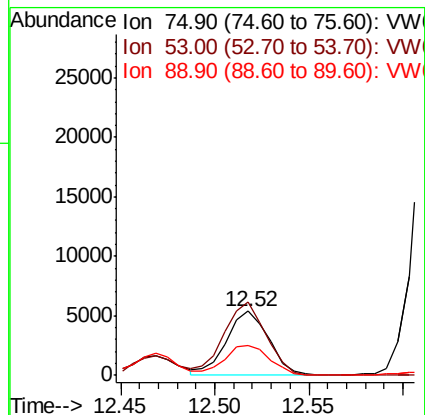
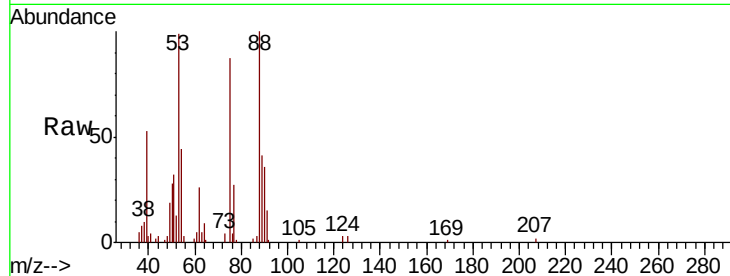
Tgt Ion: 75 Resp: 8450

Ion Ratio Lower Upper

75 100

53 113.2 79.8 119.6

89 48.5 37.5 56.3



#82

4-Chlorotoluene

Concen: 22.464 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW006425.D

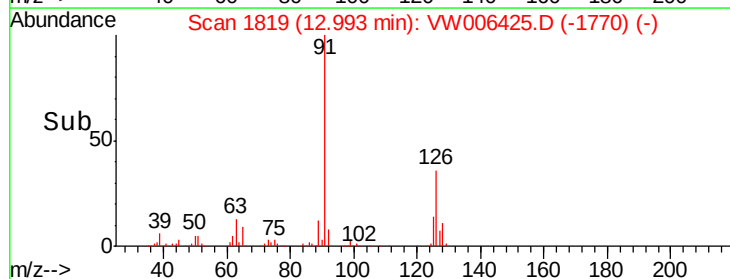
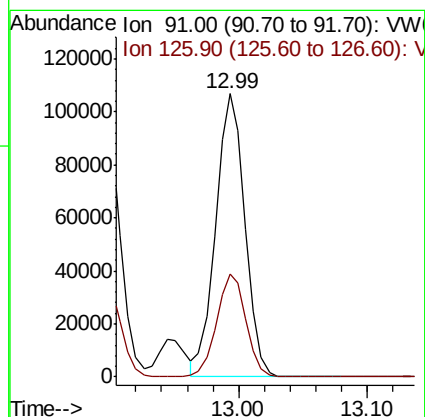
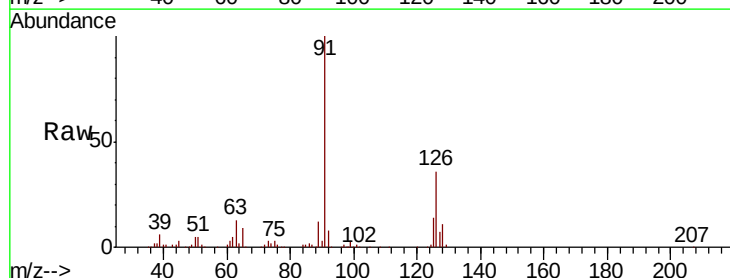
Acq: 27 Oct 2018 02:15

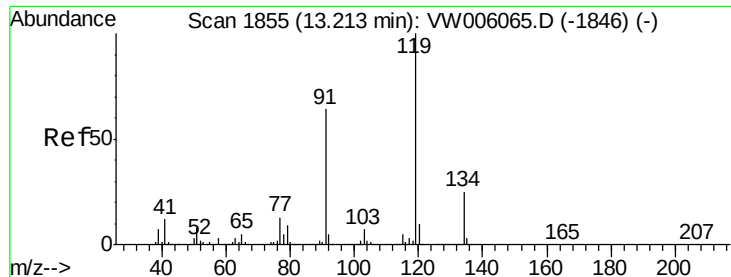
Tgt Ion: 91 Resp: 170083

Ion Ratio Lower Upper

91 100

126 36.3 18.1 54.3





#83

tert-Butylbenzene

Concen: 21.709 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW006425.D

Acq: 27 Oct 2018 02:15

Instrument :

MSVOA_W

ClientSampleId :

VW1029SBSD01

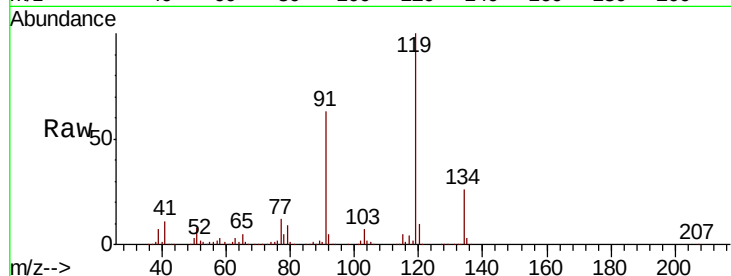
Tgt Ion:119 Resp: 181048

Ion Ratio Lower Upper

119 100

91 61.7 32.3 96.9

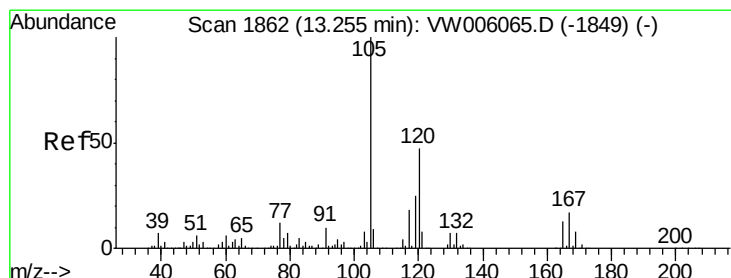
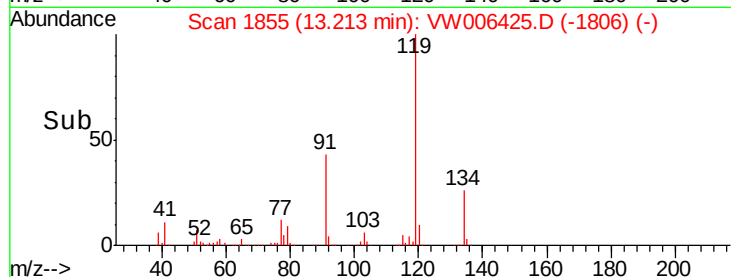
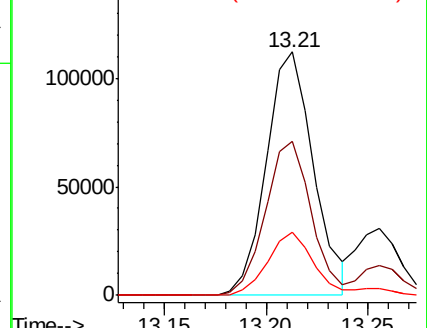
134 25.2 13.6 40.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.910 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW006425.D

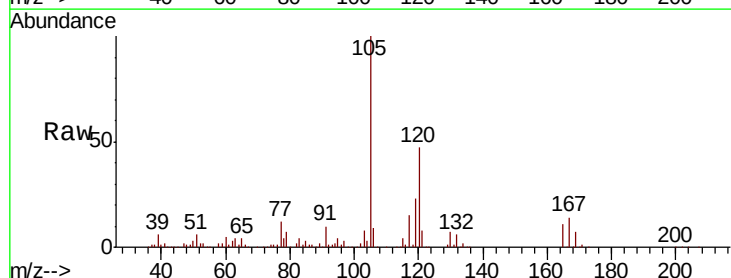
Acq: 27 Oct 2018 02:15

Tgt Ion:105 Resp: 206656

Ion Ratio Lower Upper

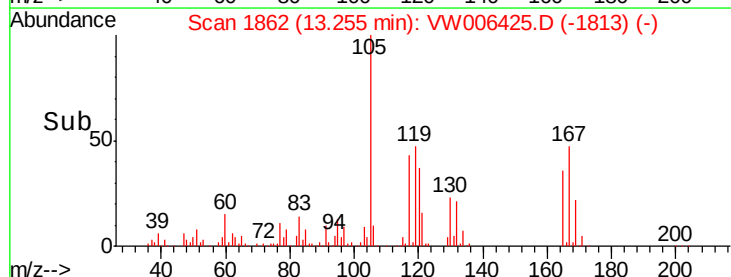
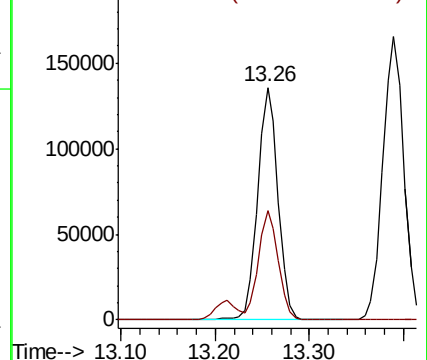
105 100

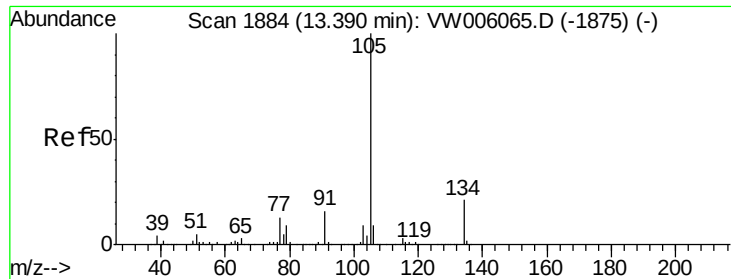
120 45.8 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.598 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW006425.D

Acq: 27 Oct 2018 02:15

Instrument :

MSVOA_W

ClientSampleId :

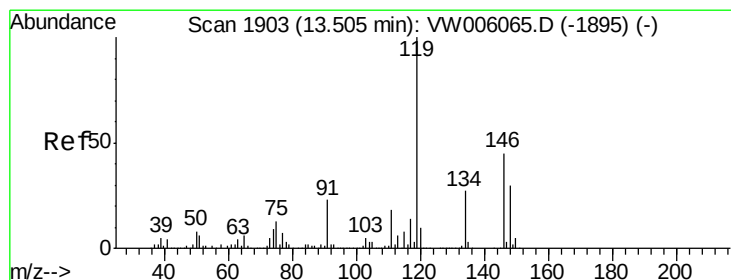
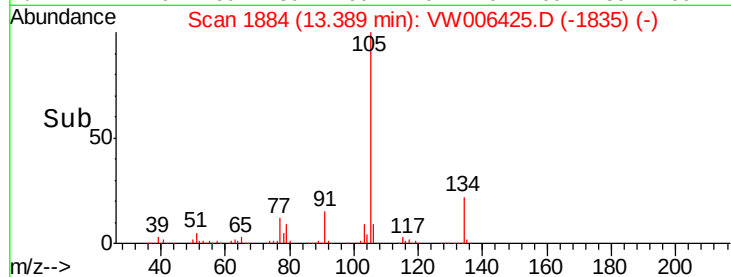
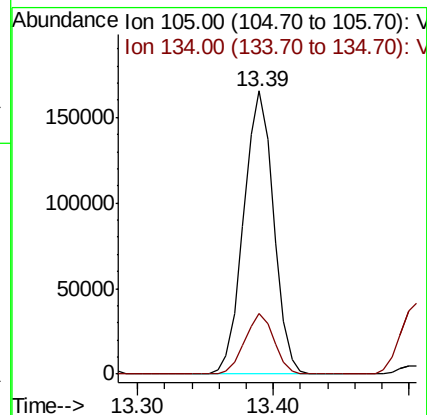
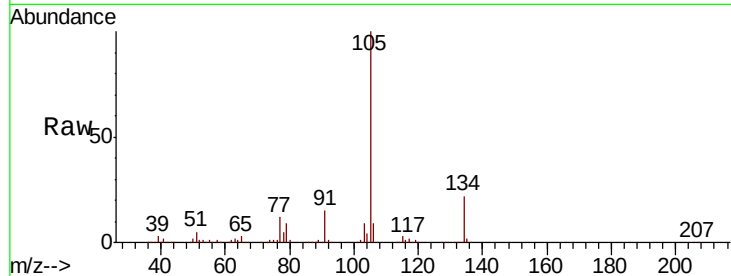
VW1029SBSD01

Tgt Ion:105 Resp: 254461

Ion Ratio Lower Upper

105 100

134 21.1 10.5 31.6



#86

p-Isopropyltoluene

Concen: 21.521 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW006425.D

Acq: 27 Oct 2018 02:15

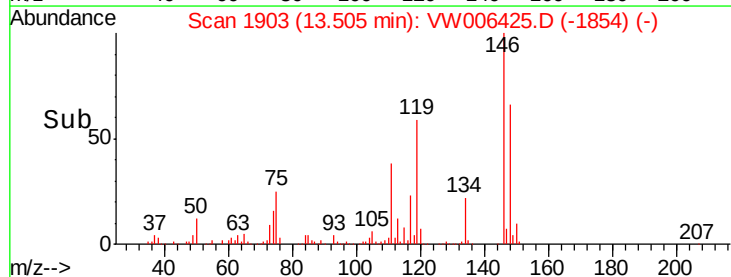
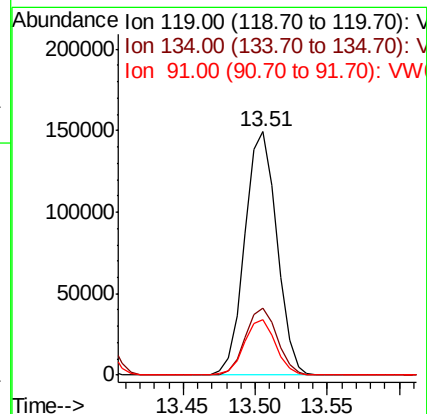
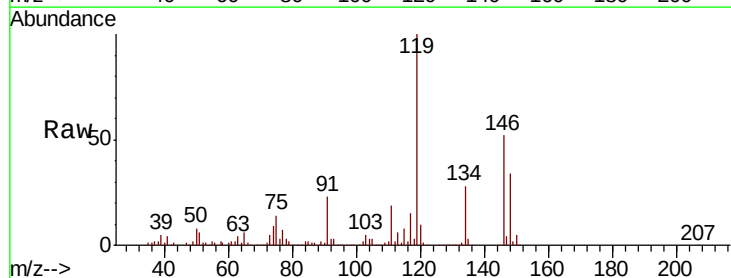
Tgt Ion:119 Resp: 229344

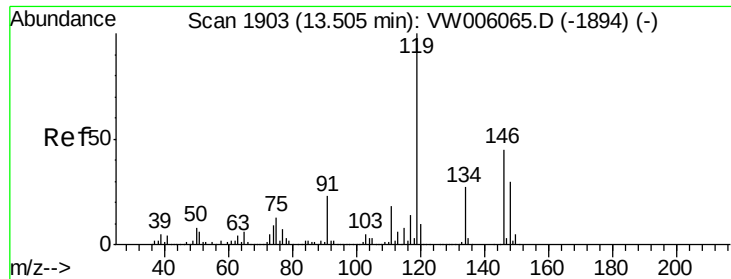
Ion Ratio Lower Upper

119 100

134 27.5 13.4 40.2

91 22.5 11.4 34.1

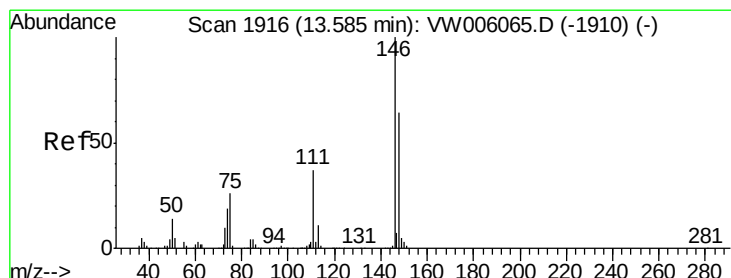
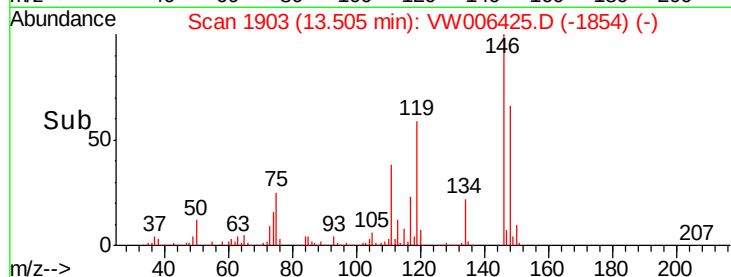
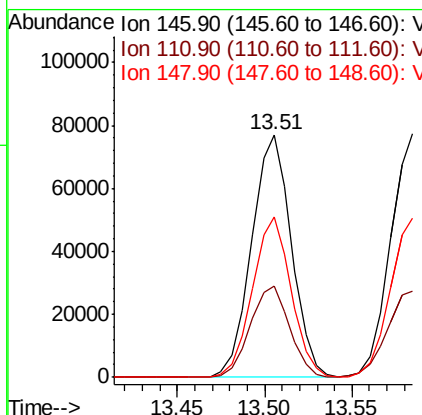
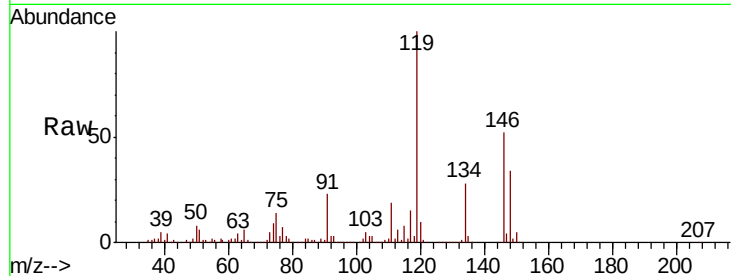




#87
 1,3-Dichlorobenzene
 Concen: 22.731 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW006425.D
 Acq: 27 Oct 2018 02:15

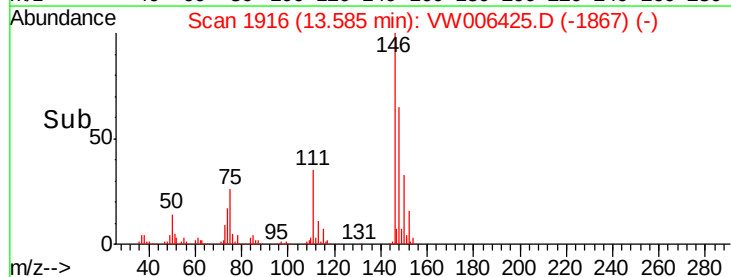
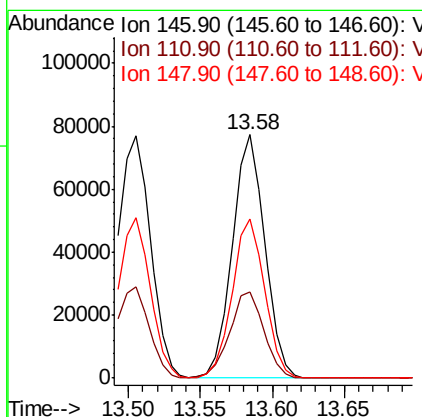
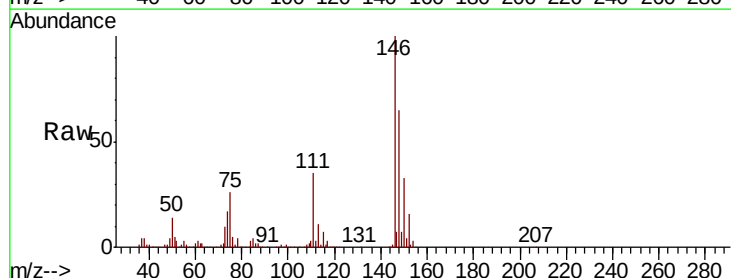
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1029SBSD01

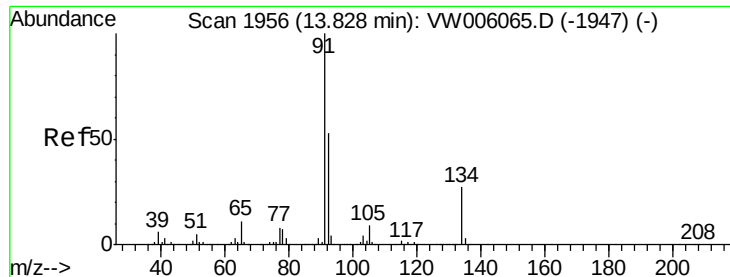
Tgt Ion:146 Resp: 122516
 Ion Ratio Lower Upper
 146 100
 111 37.4 19.1 57.5
 148 64.3 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 22.639 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW006425.D
 Acq: 27 Oct 2018 02:15

Tgt Ion:146 Resp: 121493
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.6 56.0
 148 65.5 32.1 96.5





#89

n-Butylbenzene

Concen: 21.470 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW006425.D

Acq: 27 Oct 2018 02:15

Instrument :

MSVOA_W

ClientSampleId :

VW1029SBSD01

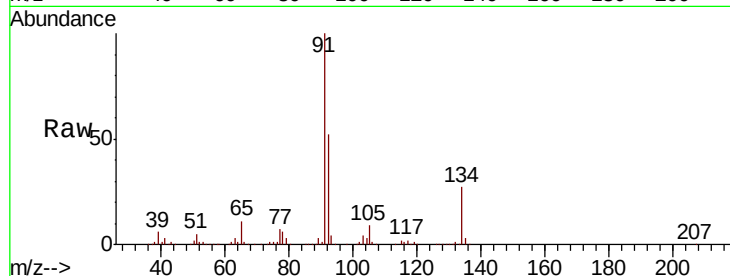
Tgt Ion: 91 Resp: 209250

Ion Ratio Lower Upper

91 100

92 52.3 26.6 79.7

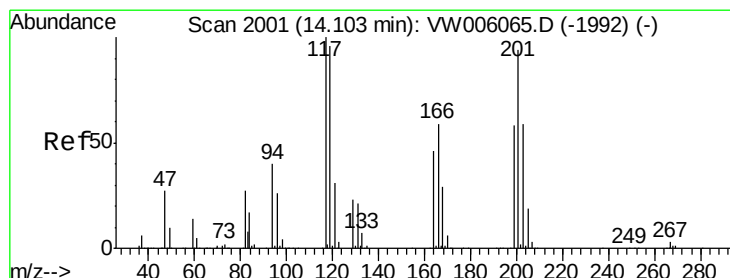
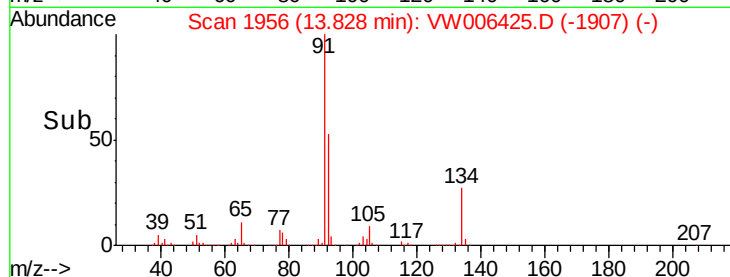
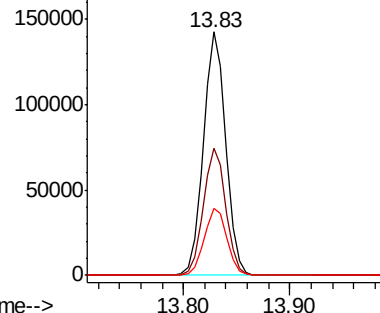
134 28.0 14.0 41.9



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: 19.537 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.01 min

Lab File: VW006425.D

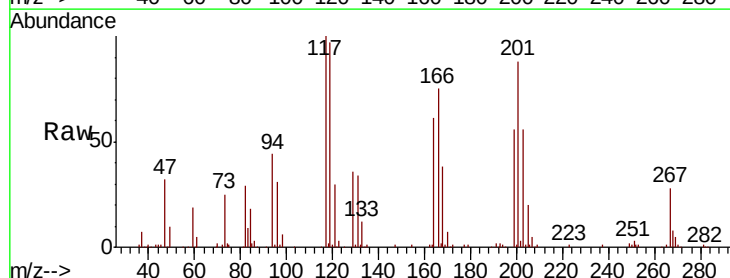
Acq: 27 Oct 2018 02:15

Tgt Ion: 117 Resp: 35266

Ion Ratio Lower Upper

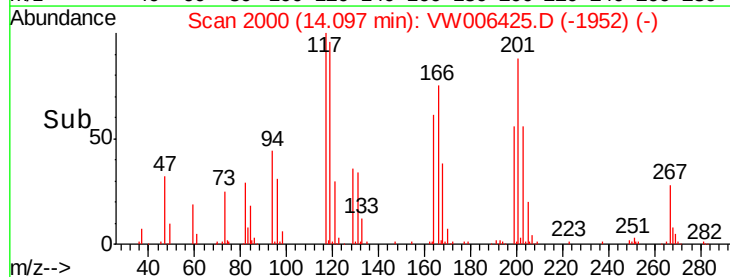
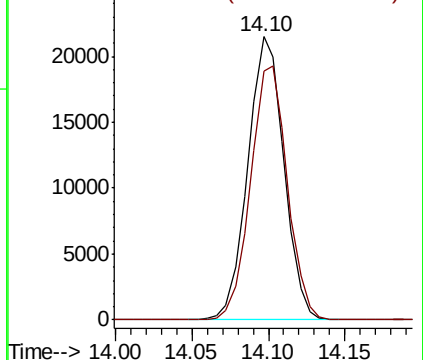
117 100

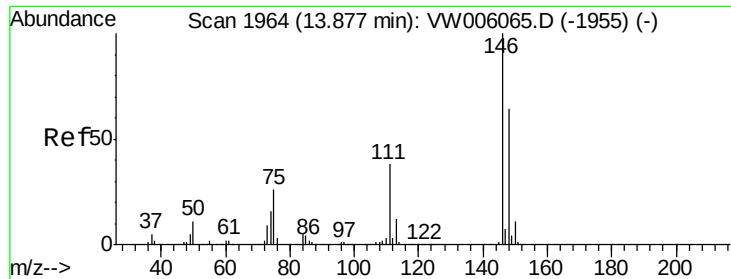
201 91.1 45.3 135.9



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

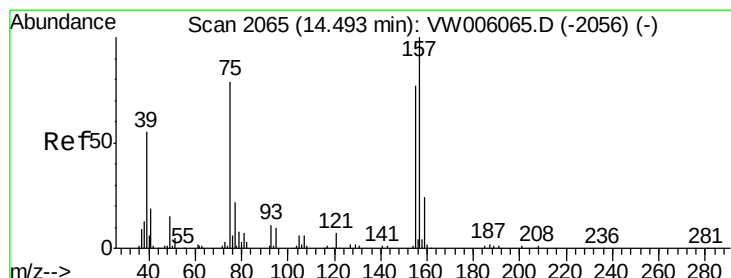
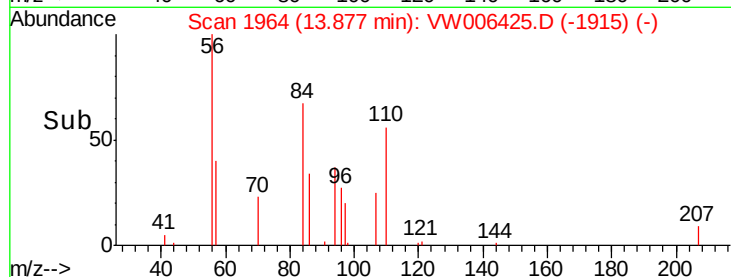
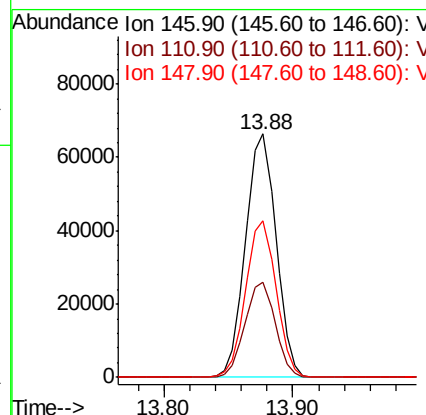
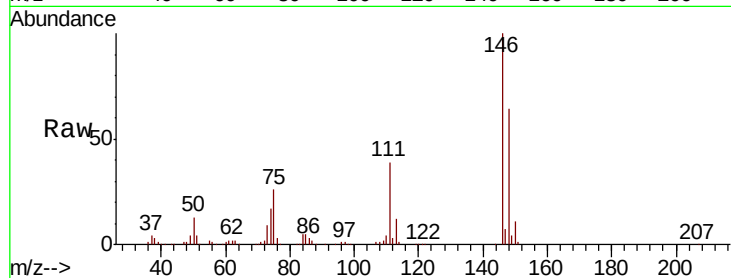




#91
 1,2-Dichlorobenzene
 Concen: 22.644 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW006425.D
 Acq: 27 Oct 2018 02:15

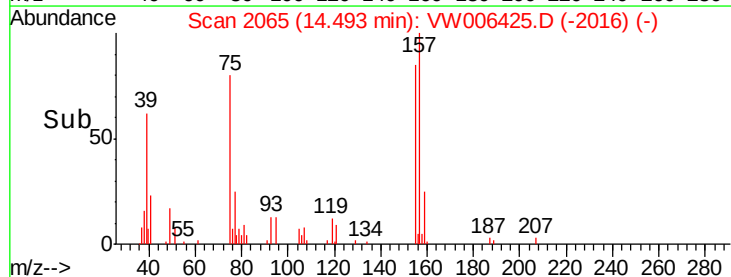
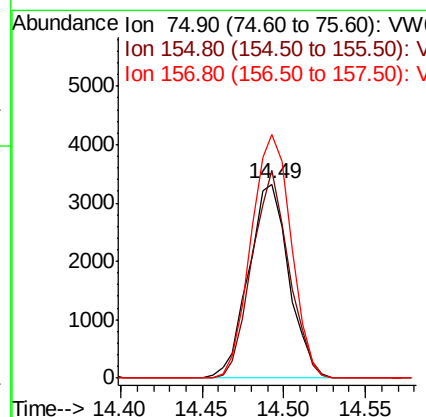
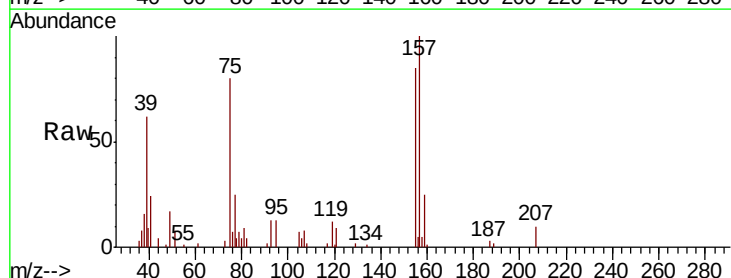
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1029SBSD01

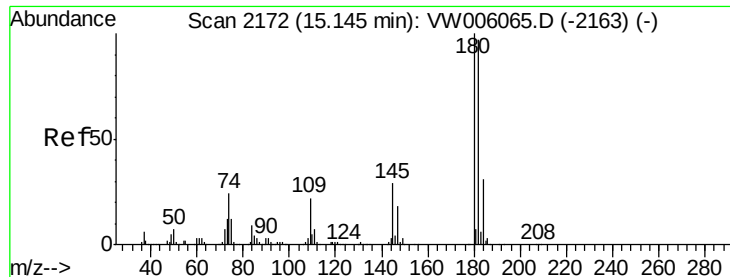
Tgt Ion:146 Resp: 108865
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.6 58.7
 148 64.0 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.987 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. -0.00 min
 Lab File: VW006425.D
 Acq: 27 Oct 2018 02:15

Tgt Ion: 75 Resp: 5717
 Ion Ratio Lower Upper
 75 100
 155 97.9 46.5 139.5
 157 124.6 59.8 179.4

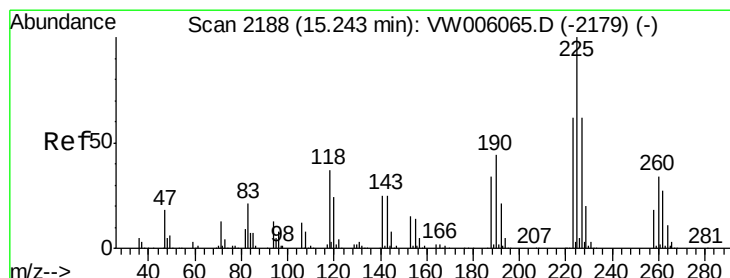
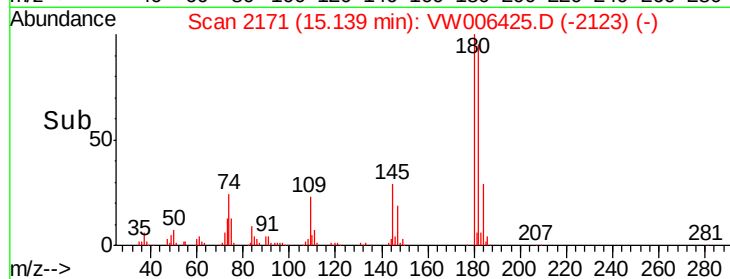
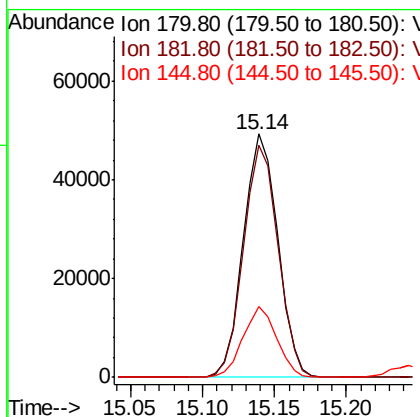
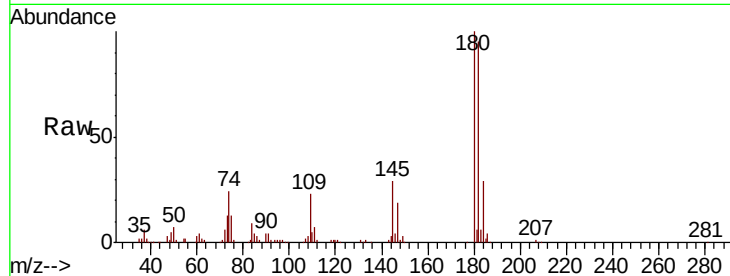




#93
 1,2,4-Trichlorobenzene
 Concen: 22.089 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW006425.D
 Acq: 27 Oct 2018 02:15

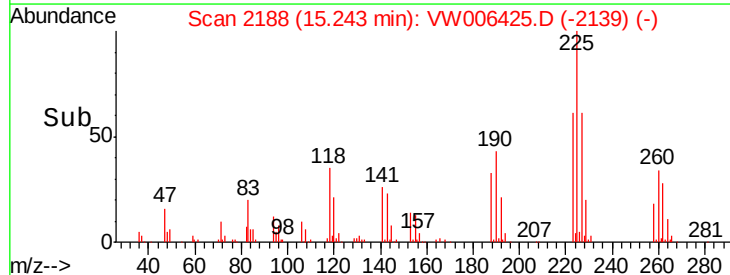
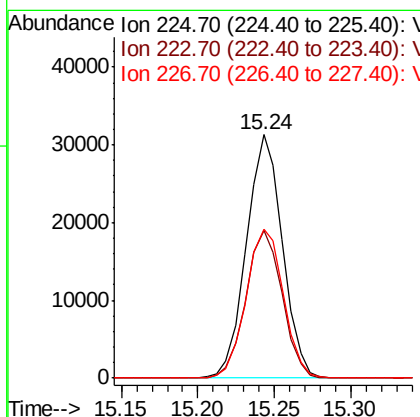
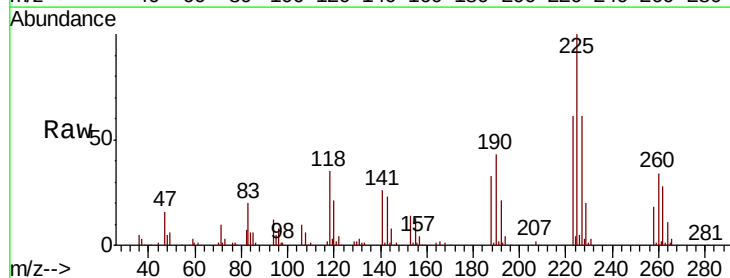
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1029SBSD01

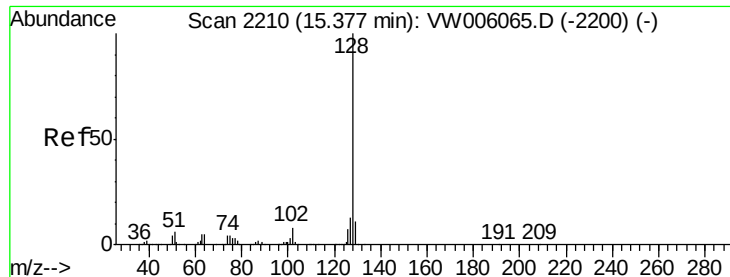
Tgt Ion:180 Resp: 81714
 Ion Ratio Lower Upper
 180 100
 182 95.6 47.9 143.6
 145 28.3 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 21.986 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW006425.D
 Acq: 27 Oct 2018 02:15

Tgt Ion:225 Resp: 51092
 Ion Ratio Lower Upper
 225 100
 223 61.3 31.1 93.5
 227 63.5 32.4 97.0

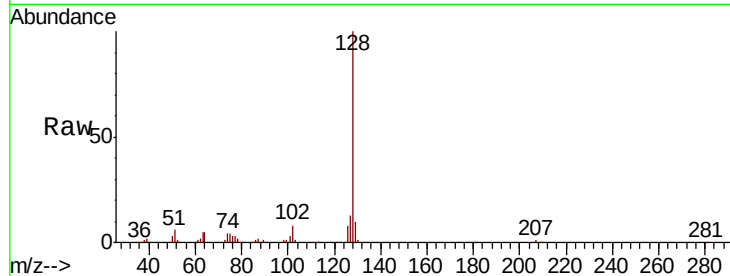




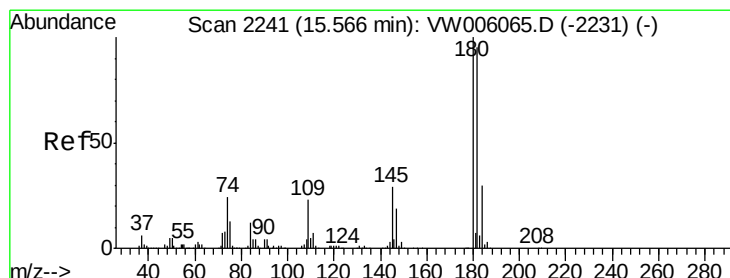
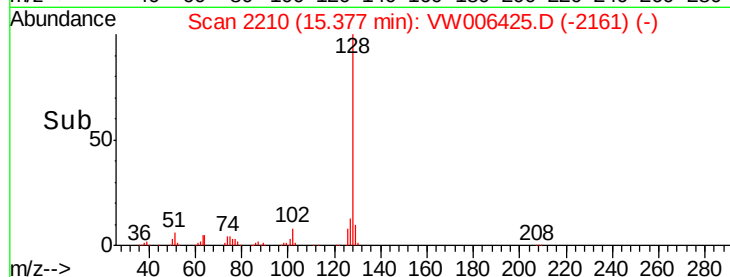
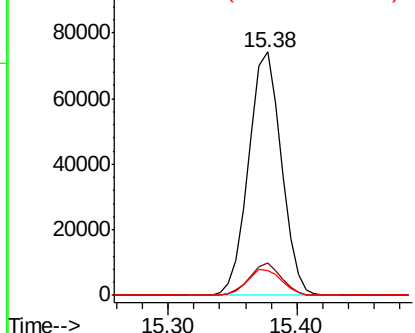
#95
Naphthalene
Concen: 21.184 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW006425.D
Acq: 27 Oct 2018 02:15

Instrument :
MSVOA_W
ClientSampleId :
VW1029SBSD01

Tgt Ion:128 Resp: 130358
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 11.2 8.7 13.1

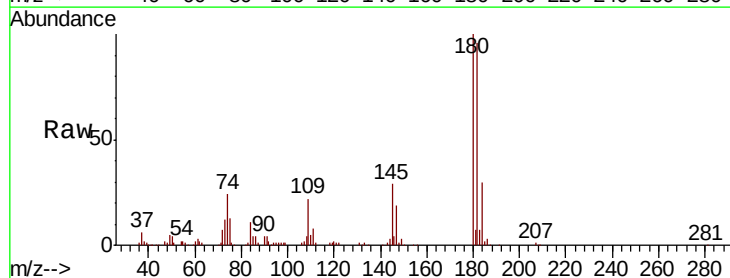


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 22.727 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW006425.D
Acq: 27 Oct 2018 02:15

Tgt Ion:180 Resp: 72719
Ion Ratio Lower Upper
180 100
182 94.3 47.8 143.3
145 29.4 15.0 45.1



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

