

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082619\
 Data File : VW012162.D
 Acq On : 26 Aug 2019 10:47
 Operator : SY/VA
 Sample : VW0826SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBS01

Quant Time: Sep 02 02:23:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	248051	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	395272	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	338955	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	165604	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	143259	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
35) Dibromofluoromethane	7.88	113	114451	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	
50) Toluene-d8	10.32	98	474215	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
62) 4-Bromofluorobenzene	12.62	95	166811	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	29137	19.077	ug/l	97
3) Chloromethane	2.21	50	45439	19.203	ug/l	98
4) Vinyl Chloride	2.36	62	56437	19.486	ug/l	100
5) Bromomethane	2.76	94	28086	19.148	ug/l	100
6) Chloroethane	2.92	64	31853	19.496	ug/l	96
7) Trichlorofluoromethane	3.26	101	30104	20.700	ug/l	94
8) Diethyl Ether	3.68	74	26078	18.892	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	50481	20.421	ug/l	98
10) Methyl Iodide	4.27	142	64576	19.307	ug/l	99
11) Tert butyl alcohol	5.17	59	18122	102.123	ug/l #	86
12) 1,1-Dichloroethene	4.04	96	49125	19.744	ug/l	96
13) Acrolein	3.89	56	17569	105.179	ug/l	97
14) Allyl chloride	4.67	41	103955	19.544	ug/l	100
15) Acrylonitrile	5.37	53	69678	101.837	ug/l	99
16) Acetone	4.12	43	69600	92.338	ug/l	99
17) Carbon Disulfide	4.38	76	136344	18.132	ug/l	100
18) Methyl Acetate	4.67	43	39170	20.981	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	81062	20.147	ug/l	97
20) Methylene Chloride	4.92	84	53727	18.855	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	52380	19.632	ug/l	93
22) Diisopropyl ether	6.31	45	203874	20.678	ug/l	98
23) Vinyl Acetate	6.25	43	604826	99.680	ug/l	100
24) 1,1-Dichloroethane	6.21	63	108461	20.204	ug/l	98
25) 2-Butanone	7.17	43	100580	98.197	ug/l	99
26) 2,2-Dichloropropane	7.17	77	64058	21.082	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	57051	20.014	ug/l	98
28) Bromochloromethane	7.51	49	48751	20.836	ug/l #	100
29) Tetrahydrofuran	7.53	42	63662	103.597	ug/l	99
30) Chloroform	7.68	83	100960	20.556	ug/l	99
31) Cyclohexane	7.95	56	100087	18.844	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	80521	20.724	ug/l	99
36) 1,1-Dichloropropene	8.08	75	82878	20.290	ug/l	100
37) Ethyl Acetate	7.25	43	46187	20.634	ug/l	99
38) Carbon Tetrachloride	8.07	117	72879	20.614	ug/l	99

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 Sample : VW0826SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBS01

Quant Time: Sep 02 02:23:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	89504	19.505	ug/l	98
40) Benzene	8.32	78	225231	20.194	ug/l	99
41) Methacrylonitrile	7.49	41	28973	22.023	ug/l	96
42) 1,2-Dichloroethane	8.40	62	71512	20.458	ug/l	100
43) Isopropyl Acetate	8.43	43	83692	20.186	ug/l	100
44) Trichloroethene	9.09	130	54887	20.243	ug/l	96
45) 1,2-Dichloropropane	9.37	63	62061	20.675	ug/l	99
46) Dibromomethane	9.46	93	27233	20.391	ug/l	98
47) Bromodichloromethane	9.65	83	72902	20.510	ug/l	99
48) Methyl methacrylate	9.43	41	38740	19.632	ug/l	94
49) 1,4-Dioxane	9.45	88	8884	434.511	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	217268	103.027	ug/l	99
52) Toluene	10.39	92	137730	20.555	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	73664	20.345	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	87135	19.931	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	38778	20.521	ug/l	95
56) Ethyl methacrylate	10.65	69	55099	20.034	ug/l	98
57) 1,3-Dichloropropane	10.93	76	74088	20.747	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	136100	96.424	ug/l	99
59) 2-Hexanone	10.97	43	150394	100.791	ug/l	99
60) Dibromochloromethane	11.13	129	42871	20.369	ug/l	100
61) 1,2-Dibromoethane	11.24	107	35901	20.393	ug/l	99
64) Tetrachloroethene	10.86	164	45008	20.481	ug/l	98
65) Chlorobenzene	11.66	112	138245	20.713	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	48520	20.838	ug/l	99
67) Ethyl Benzene	11.73	91	263977	20.532	ug/l	99
68) m/p-Xylenes	11.84	106	192135	41.487	ug/l	97
69) o-Xylene	12.16	106	87791	20.482	ug/l	98
70) Styrene	12.18	104	154728	20.855	ug/l	100
71) Bromoform	12.35	173	24260	20.912	ug/l #	99
73) Isopropylbenzene	12.46	105	251136	20.238	ug/l	100
74) N-amyl acetate	12.27	43	75712	20.195	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	47302	20.793	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	62053	38.474	ug/l #	100
77) Bromobenzene	12.74	156	54325	20.236	ug/l	99
78) n-propylbenzene	12.80	91	306893	20.259	ug/l	99
79) 2-Chlorotoluene	12.89	91	173597	20.184	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	212296	20.474	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	14812	20.136	ug/l	98
82) 4-Chlorotoluene	12.99	91	184299	20.465	ug/l	100
83) tert-Butylbenzene	13.21	119	180778	20.582	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	214406	20.585	ug/l	99
85) sec-Butylbenzene	13.38	105	258425	20.537	ug/l	100
86) p-Isopropyltoluene	13.50	119	230804	20.538	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	108657	20.693	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	106803	20.485	ug/l	98
89) n-Butylbenzene	13.82	91	231037	20.674	ug/l	99
90) Hexachloroethane	14.09	117	40900	20.744	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	96079	20.858	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7810	20.364	ug/l	96

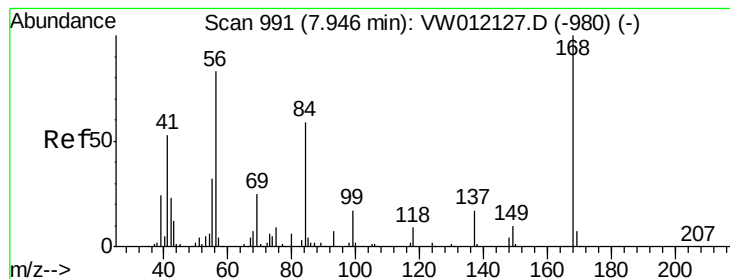
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW082619\
Data File : VW012162.D
Acq On : 26 Aug 2019 10:47
Operator : SY/VA
Sample : VW0826SBSD01
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0826SBSD01

Quant Time: Sep 02 02:23:13 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	65366	20.534	ug/l	99
94) Hexachlorobutadiene	15.24	225	44252	21.053	ug/l	97
95) Naphthalene	15.36	128	113867	20.975	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	58413	21.032	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW012162.D

Acq: 26 Aug 2019 10:47

Instrument :

MSVOA_W

ClientSampleId :

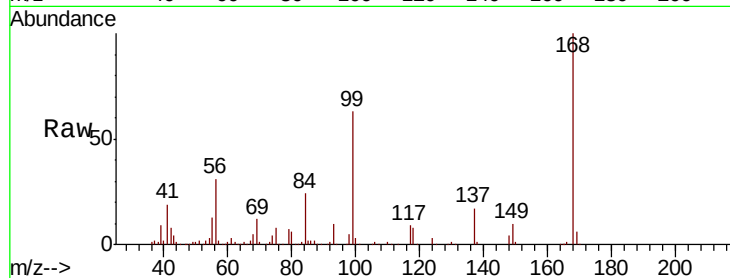
VW0826SBSD01

Tot Ion:168 Resp: 248051

Ion Ratio Lower Upper

168 100

99 62.4 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

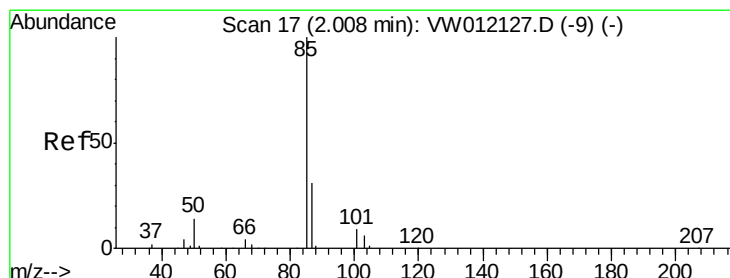
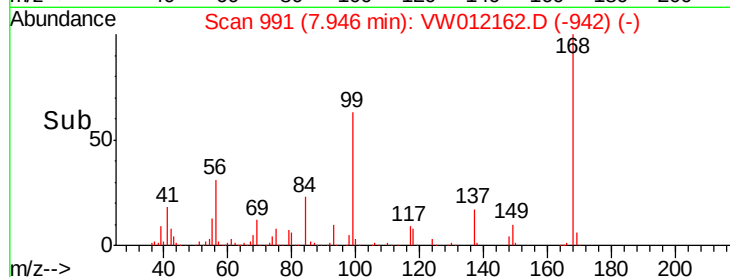
100000

50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 19.077 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW012162.D

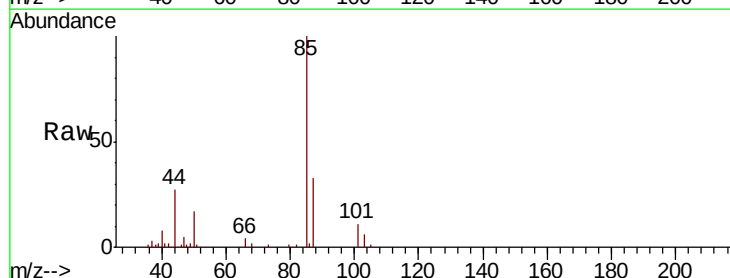
Acq: 26 Aug 2019 10:47

Tgt Ion: 85 Resp: 29137

Ion Ratio Lower Upper

85 100

87 33.0 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

12000

10000

8000

6000

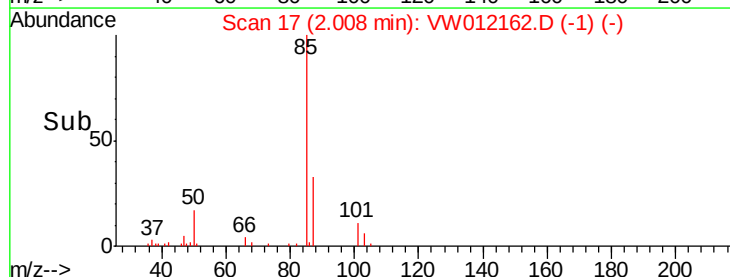
4000

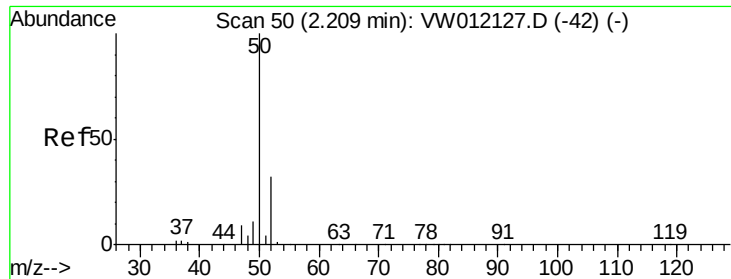
2000

0

1.90 2.00 2.10

Time-->

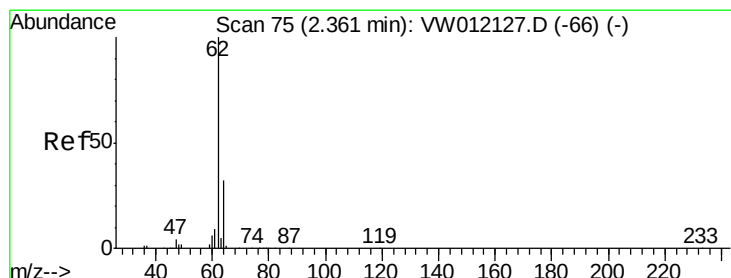
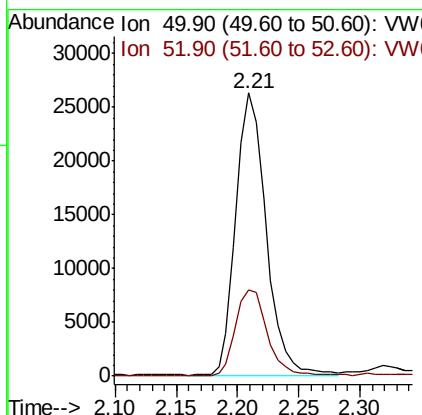
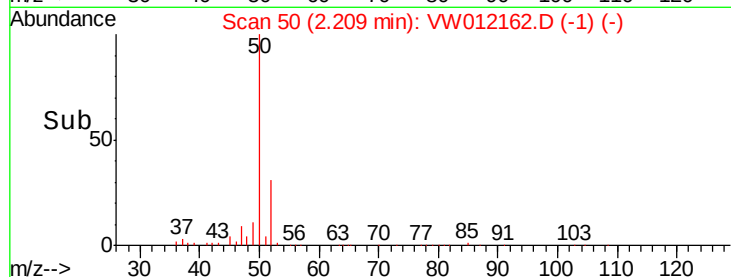
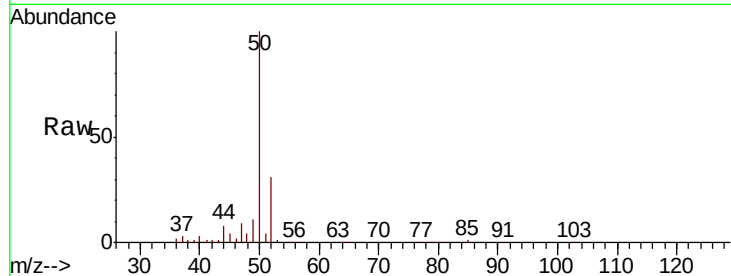




#3
Chloromethane
Concen: 19.203 ug/l
RT: 2.21 min Scan# 50
Delta R.T. 0.00 min
Lab File: VW012162.D
Acq: 26 Aug 2019 10:47

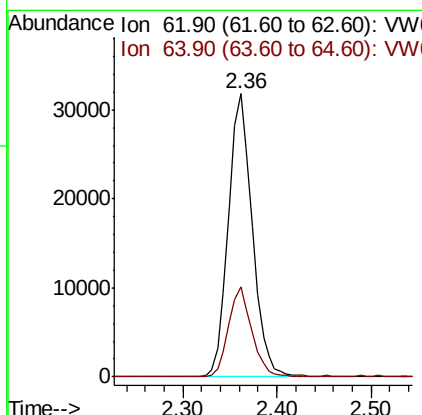
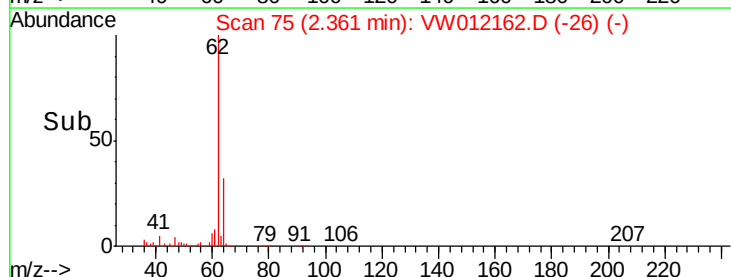
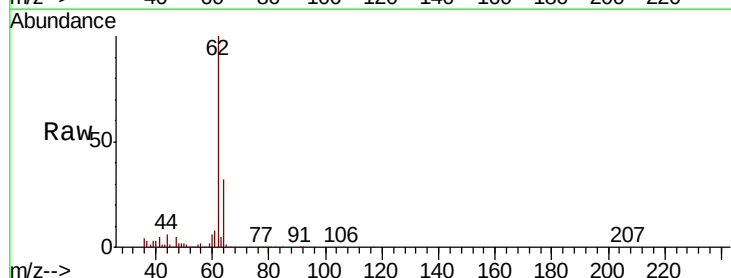
Instrument :
MSVOA_W
ClientSampleId :
VW0826SBSD01

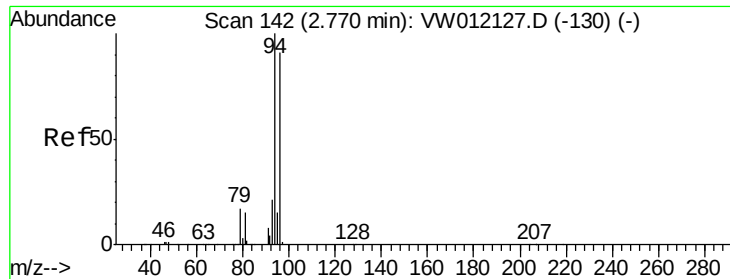
Tot Ion: 50 Resp: 45439
Ion Ratio Lower Upper
50 100
52 30.7 25.5 38.3



#4
Vinyl Chloride
Concen: 19.486 ug/l
RT: 2.36 min Scan# 75
Delta R.T. 0.00 min
Lab File: VW012162.D
Acq: 26 Aug 2019 10:47

Tgt Ion: 62 Resp: 56437
Ion Ratio Lower Upper
62 100
64 31.6 25.3 37.9





#5

Bromomethane

Concen: 19.148 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW012162.D

Acq: 26 Aug 2019 10:47

Instrument :

MSVOA_W

ClientSampleId :

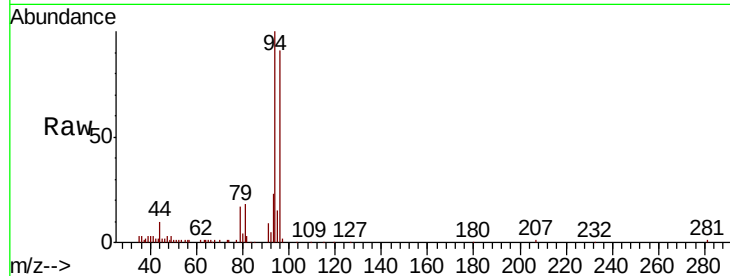
VW0826SBSD01

Tot Ion: 94 Resp: 28086

Ion Ratio Lower Upper

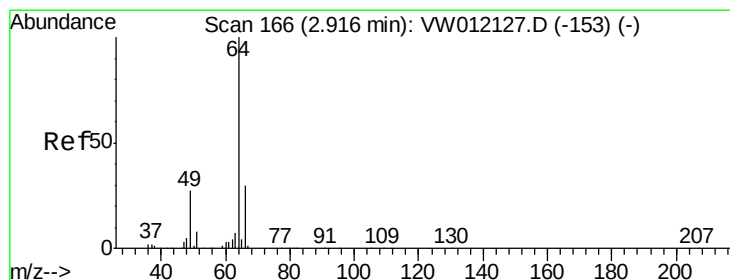
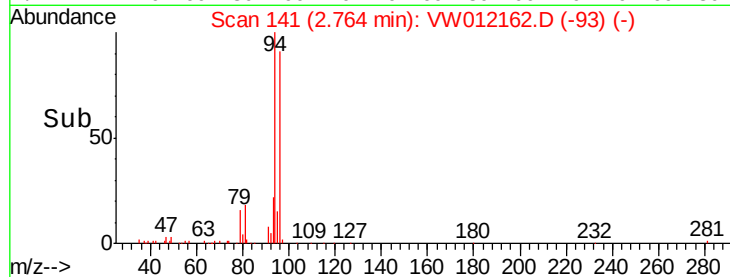
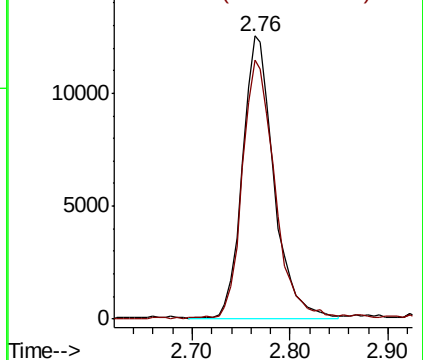
94 100

96 90.8 72.9 109.3



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 19.496 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW012162.D

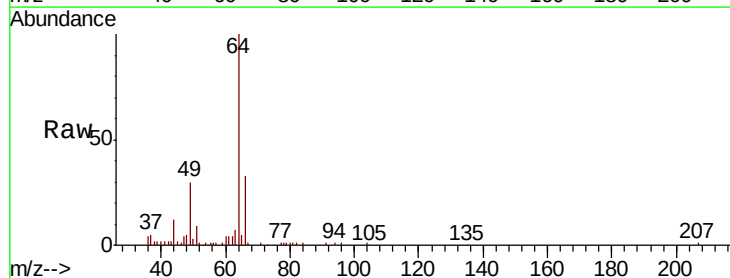
Acq: 26 Aug 2019 10:47

Tgt Ion: 64 Resp: 31853

Ion Ratio Lower Upper

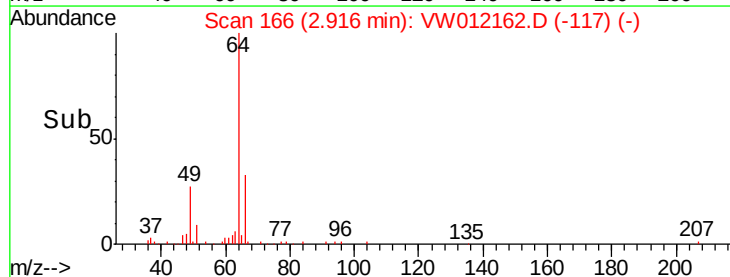
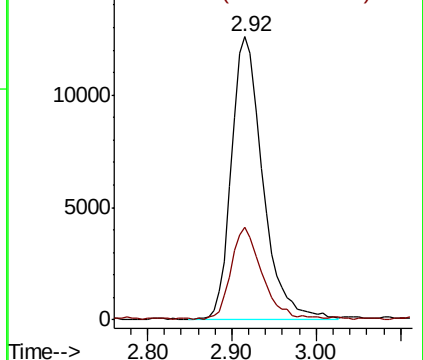
64 100

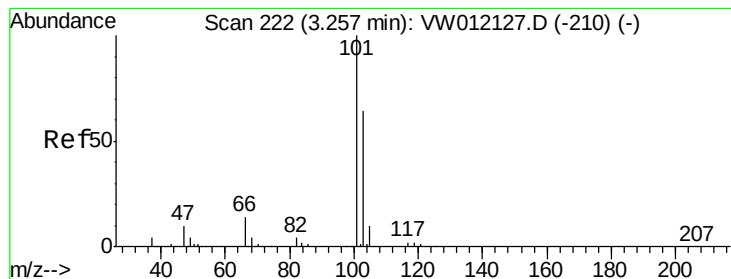
66 32.2 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



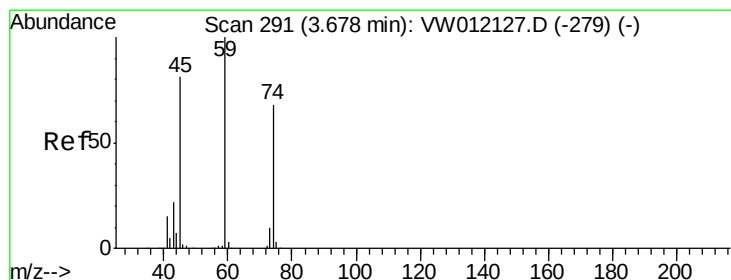
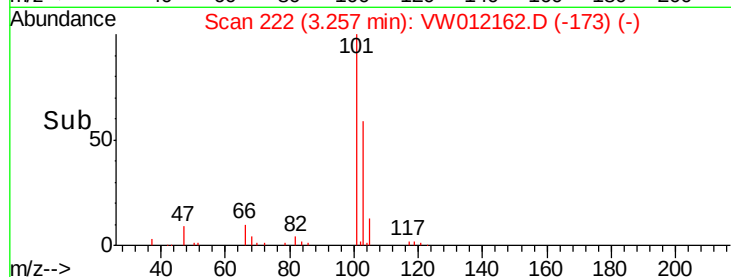
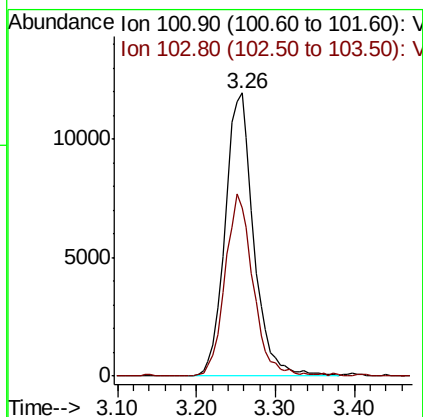
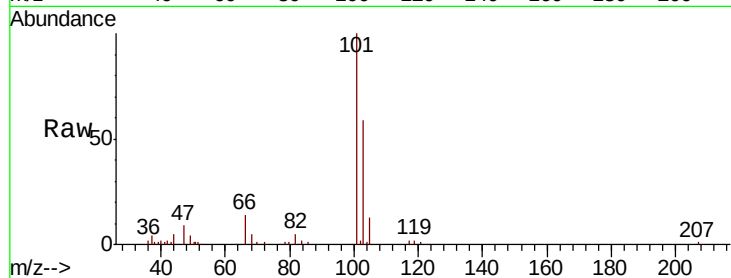


#7

Trichlorofluoromethane
 Concen: 20.700 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW012162.D
 Acq: 26 Aug 2019 10:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBSD01

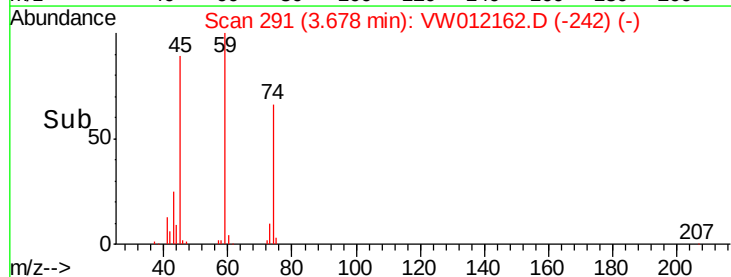
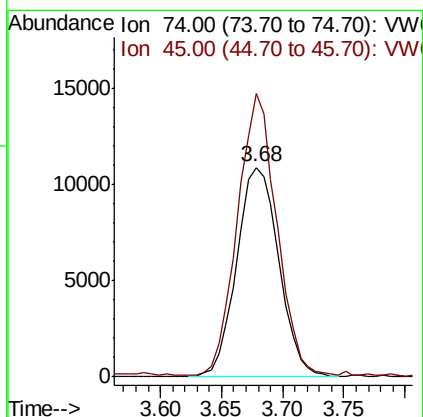
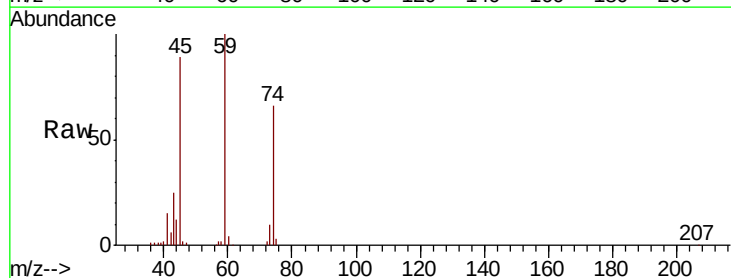
Tot Ion:101 Resp: 30104
 Ion Ratio Lower Upper
 101 100
 103 59.2 51.2 76.8

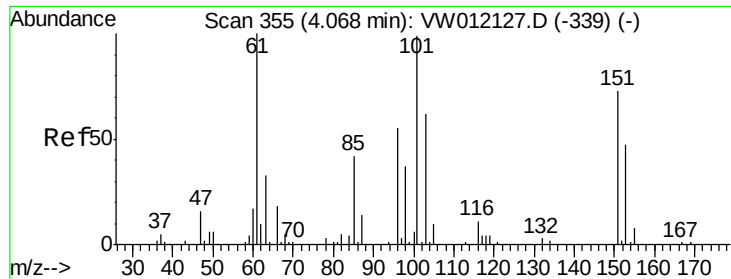


#8

Diethyl Ether
 Concen: 18.892 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW012162.D
 Acq: 26 Aug 2019 10:47

Tgt Ion: 74 Resp: 26078
 Ion Ratio Lower Upper
 74 100
 45 124.6 59.2 177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.421 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012162.D

Acq: 26 Aug 2019 10:47

Instrument :

MSVOA_W

ClientSampled :

VW0826SBS01

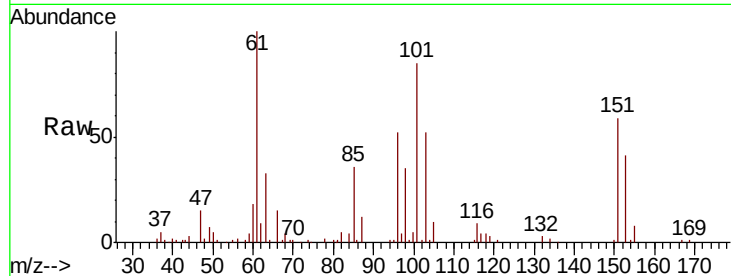
Tot Ion:101 Resp: 50481

Ion Ratio Lower Upper

101 100

85 45.6 35.8 53.6

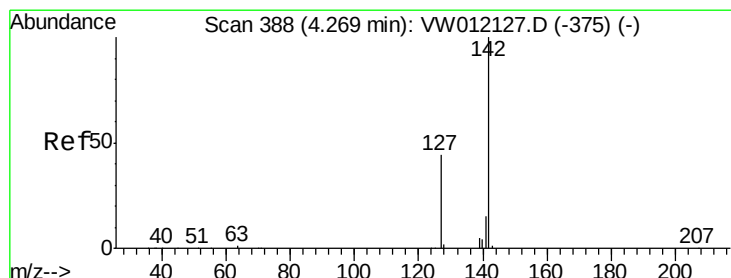
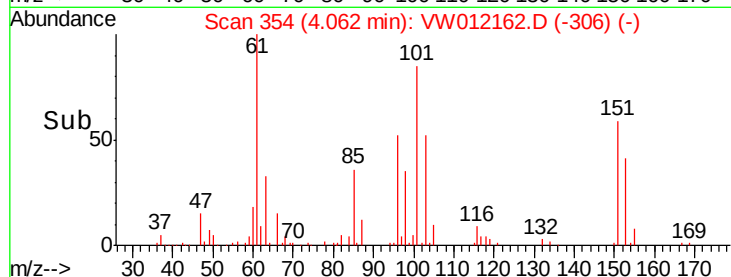
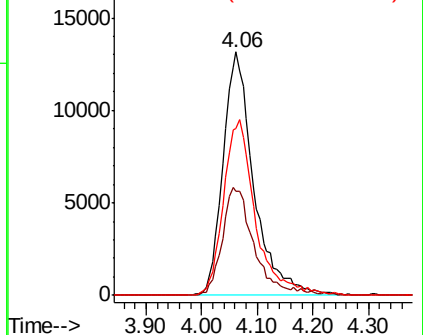
151 74.8 58.6 87.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.307 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW012162.D

Acq: 26 Aug 2019 10:47

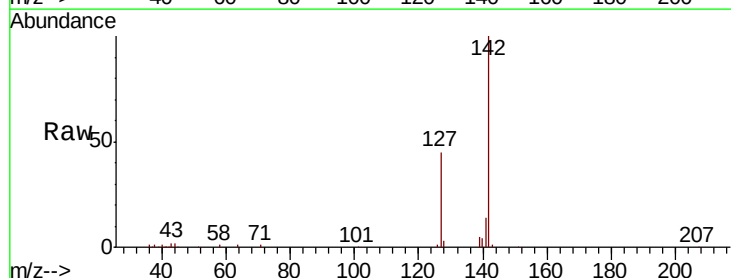
Tgt Ion:142 Resp: 64576

Ion Ratio Lower Upper

142 100

127 44.9 35.5 53.3

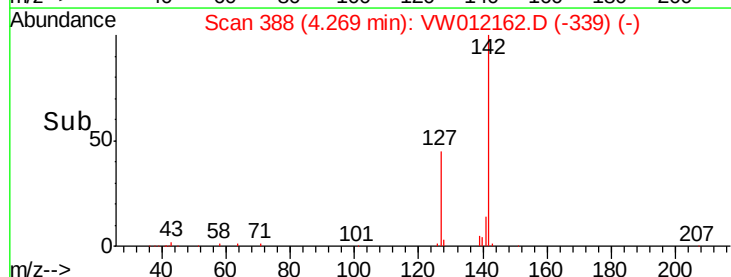
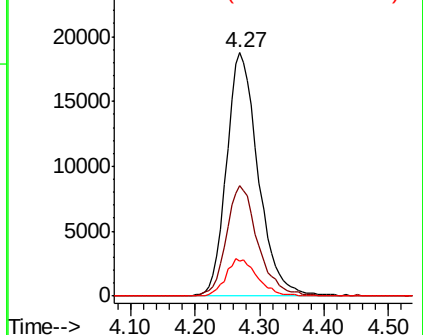
141 15.2 11.8 17.8

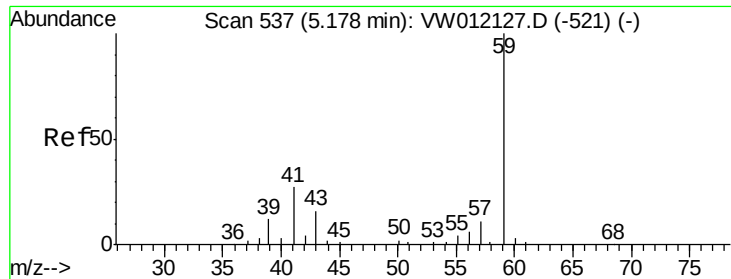


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

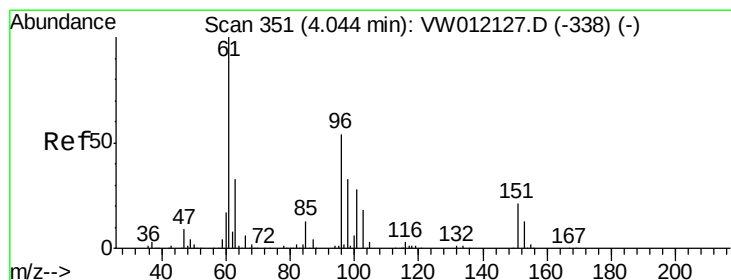
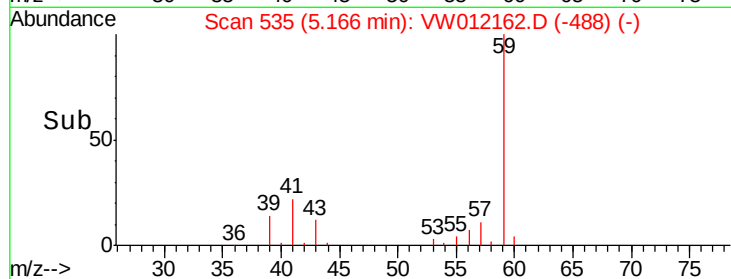
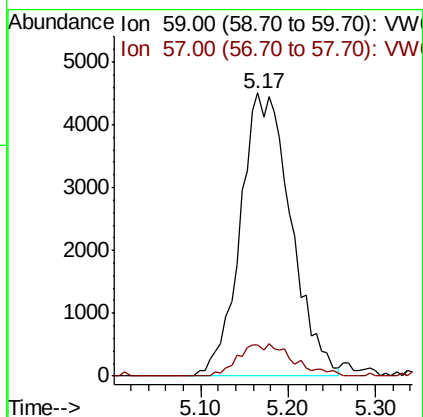
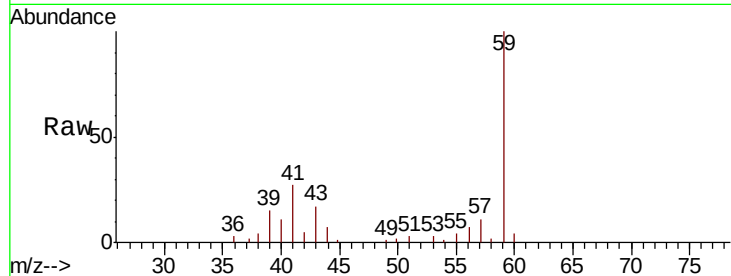




#11
Tert butyl alcohol
Concen: 102.123 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW012162.D
Acq: 26 Aug 2019 10:47

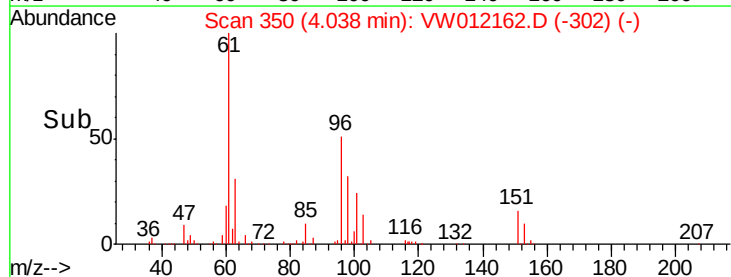
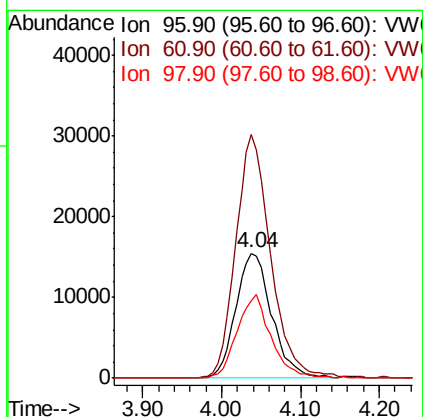
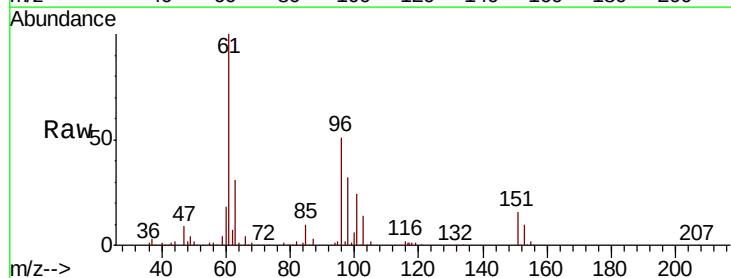
Instrument :
MSVOA_W
ClientSampleId :
VW0826SBSD01

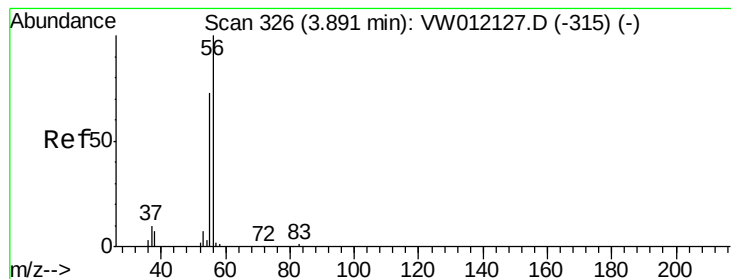
Tot Ion: 59 Resp: 18122
Ion Ratio Lower Upper
59 100
57 5.9 9.0 13.4#



#12
1,1-Dichloroethene
Concen: 19.744 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW012162.D
Acq: 26 Aug 2019 10:47

Tgt Ion: 96 Resp: 49125
Ion Ratio Lower Upper
96 100
61 194.6 149.1 223.7
98 61.8 49.4 74.2





#13

Acrolein

Concen: 105.179 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW012162.D

Acq: 26 Aug 2019 10:47

Instrument :

MSVOA_W

ClientSampleId :

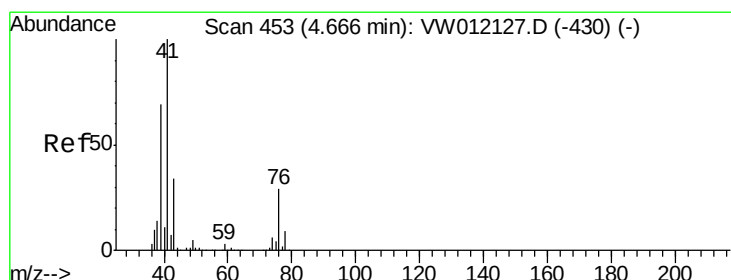
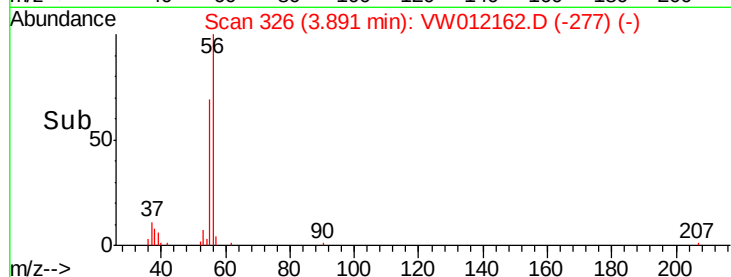
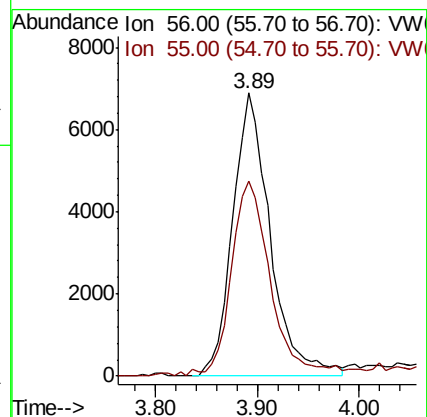
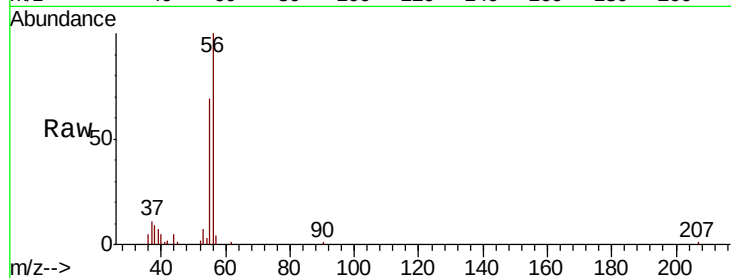
VW0826SBSD01

Tot Ion: 56 Resp: 17569

Ion Ratio Lower Upper

56 100

55 72.5 55.8 83.8



#14

Allyl chloride

Concen: 19.544 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW012162.D

Acq: 26 Aug 2019 10:47

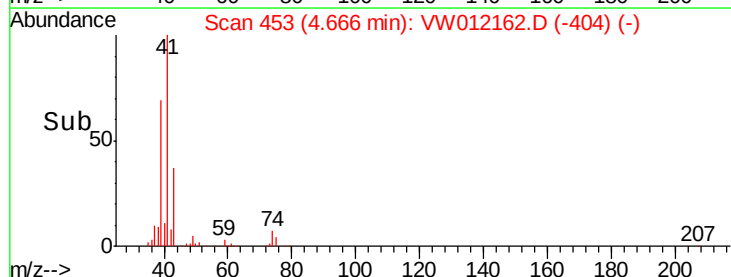
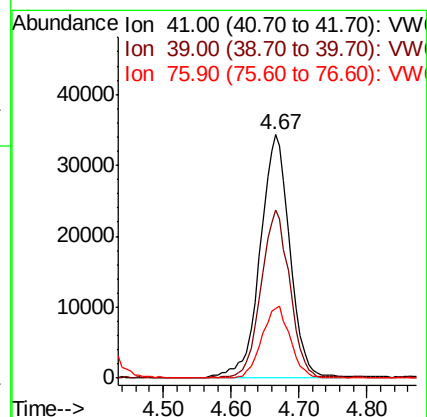
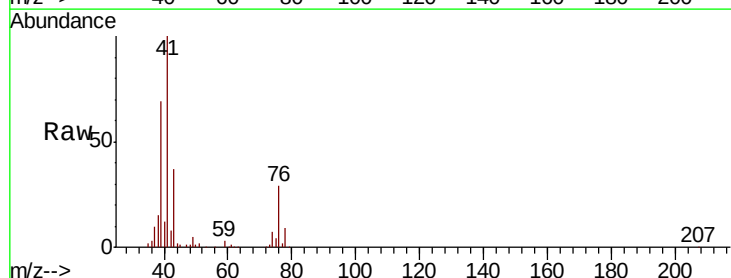
Tgt Ion: 41 Resp: 103955

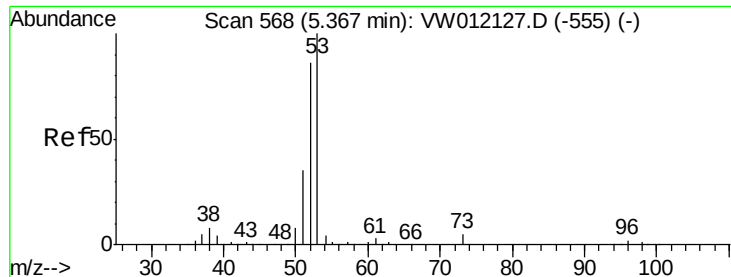
Ion Ratio Lower Upper

41 100

39 66.9 53.4 80.2

76 28.4 22.1 33.1





#15

Acrylonitrile

Concen: 101.837 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW012162.D

Acq: 26 Aug 2019 10:47

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBSD01

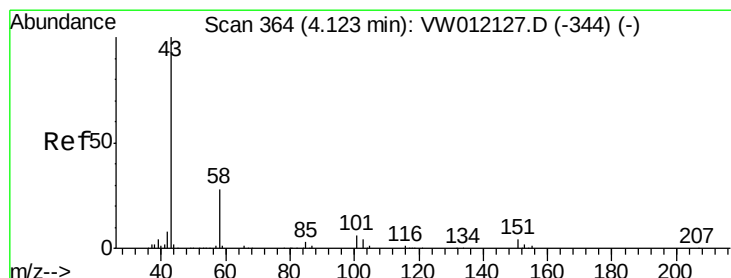
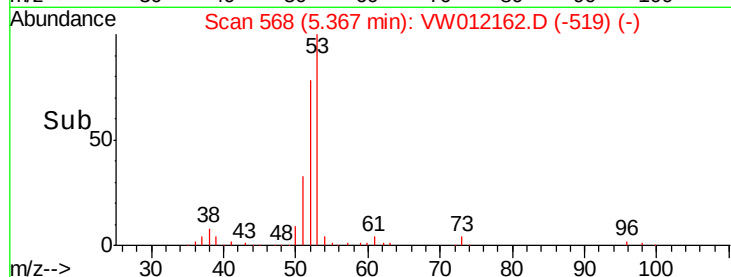
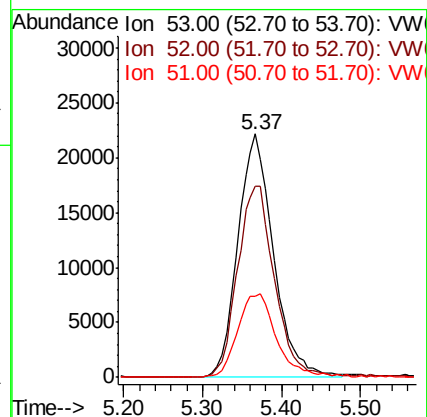
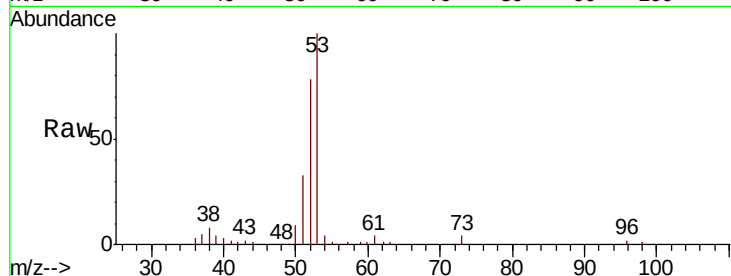
Tot Ion: 53 Resp: 69678

Ion Ratio Lower Upper

53 100

52 81.7 66.7 100.1

51 37.7 30.1 45.1



#16

Acetone

Concen: 92.338 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW012162.D

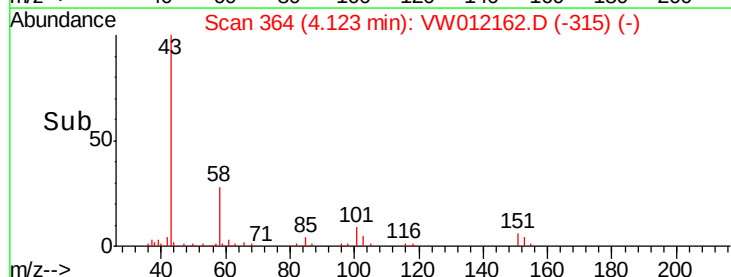
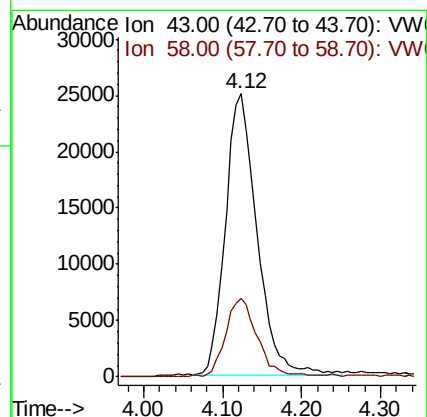
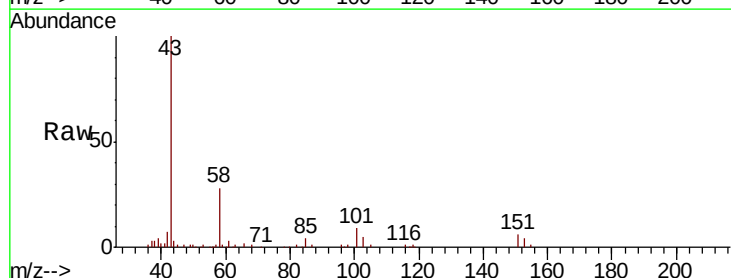
Acq: 26 Aug 2019 10:47

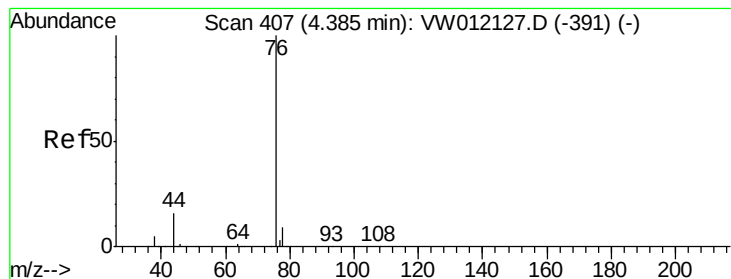
Tgt Ion: 43 Resp: 69600

Ion Ratio Lower Upper

43 100

58 27.6 22.4 33.6





#17

Carbon Disulfide

Concen: 18.132 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012162.D

Acq: 26 Aug 2019 10:47

Instrument :

MSVOA_W

ClientSampleId :

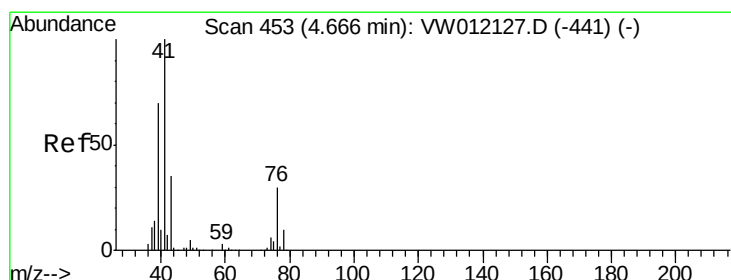
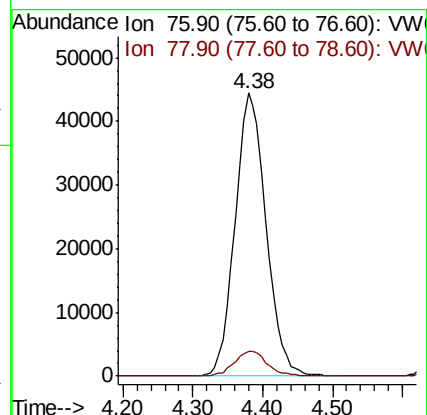
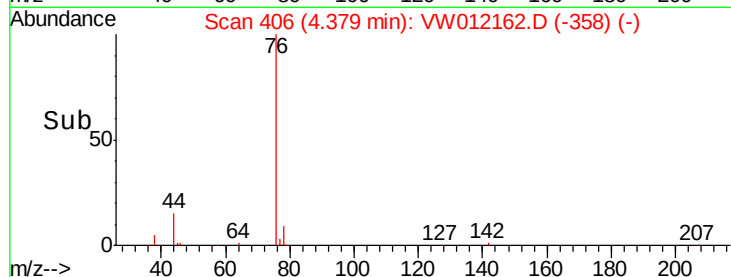
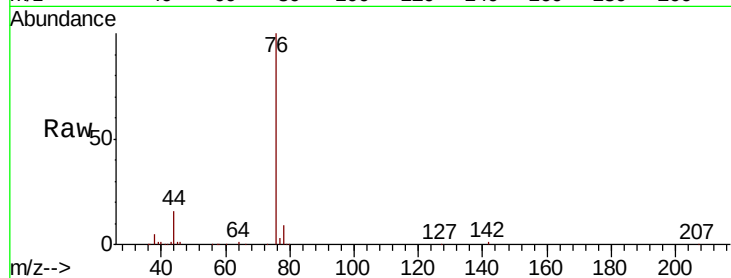
VW0826SBSD01

Tot Ion: 76 Resp: 136344

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9



#18

Methyl Acetate

Concen: 20.981 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW012162.D

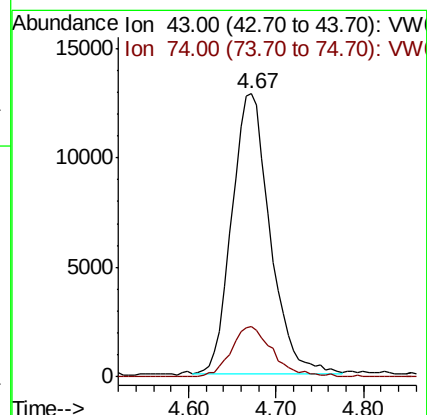
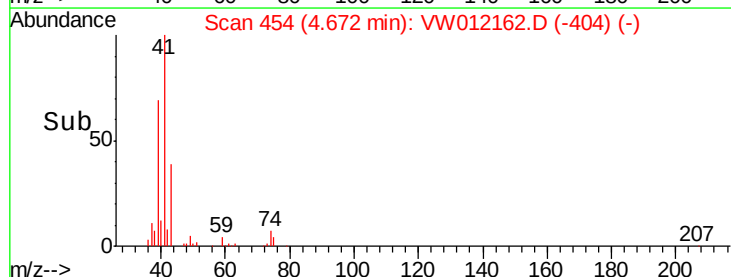
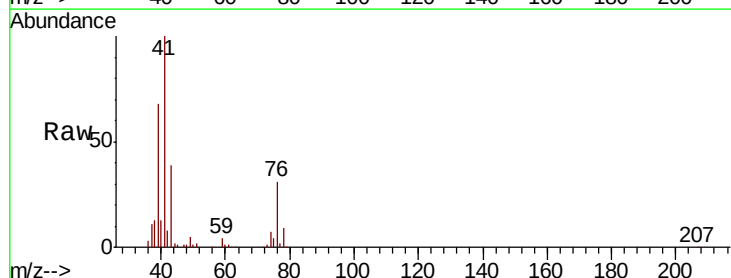
Acq: 26 Aug 2019 10:47

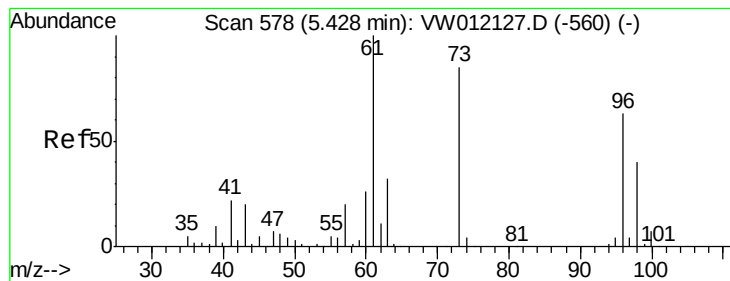
Tgt Ion: 43 Resp: 39170

Ion Ratio Lower Upper

43 100

74 19.4 15.7 23.5



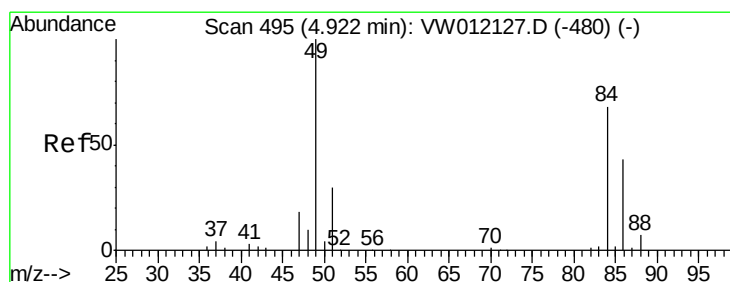
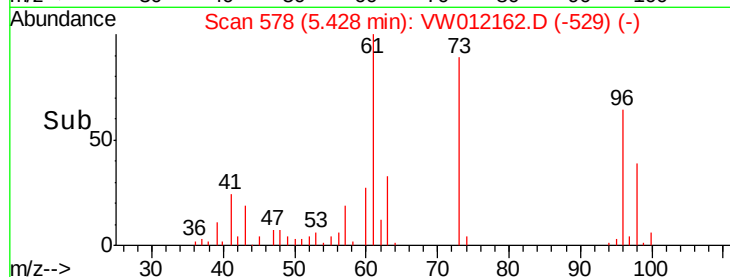
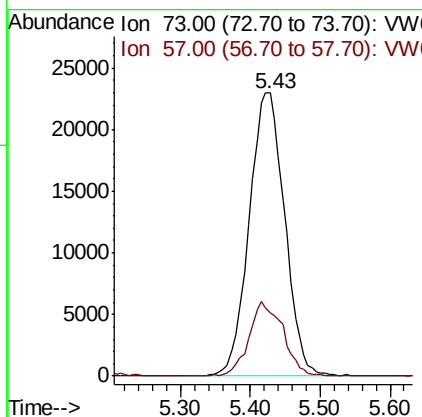
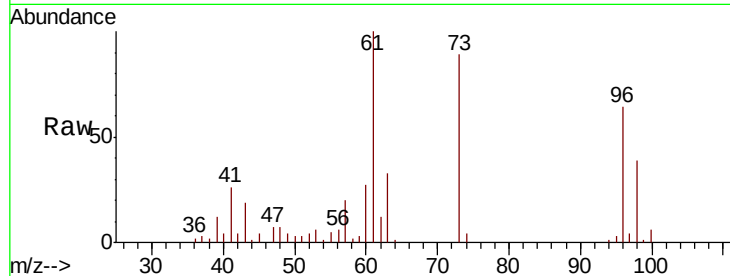


#19

Methyl tert-butyl Ether
 Concen: 20.147 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: VW012162.D
 Acq: 26 Aug 2019 10:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBS01

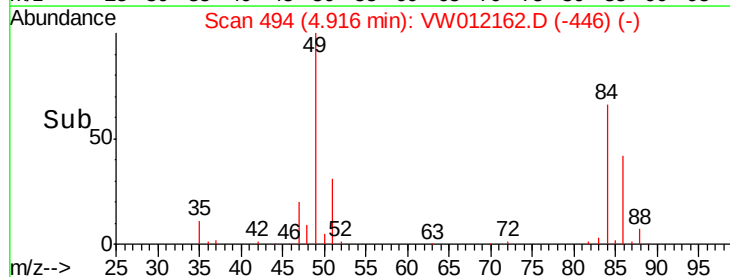
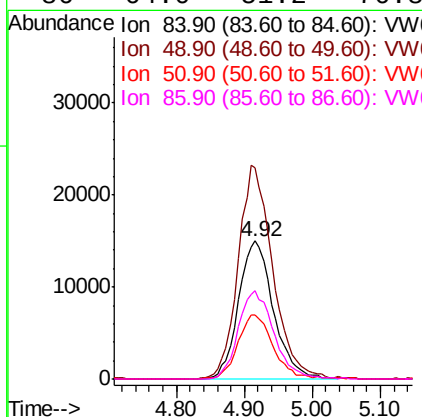
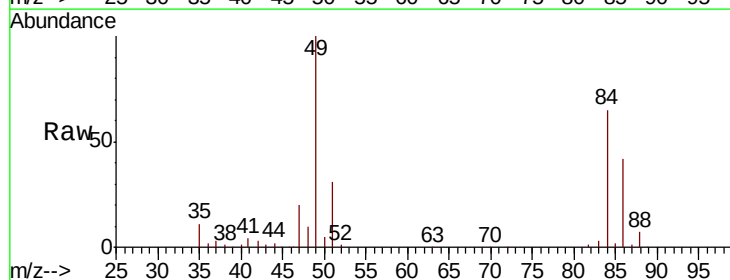
Tot Ion: 73 Resp: 81062
 Ion Ratio Lower Upper
 73 100
 57 22.3 18.9 28.3

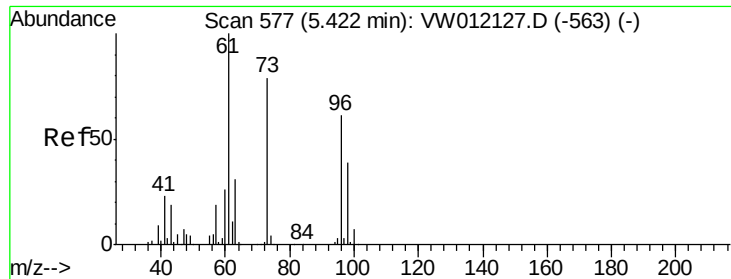


#20

Methylene Chloride
 Concen: 18.855 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. -0.01 min
 Lab File: VW012162.D
 Acq: 26 Aug 2019 10:47

Tgt Ion: 84 Resp: 53727
 Ion Ratio Lower Upper
 84 100
 49 152.8 117.8 176.8
 51 46.9 35.6 53.4
 86 64.0 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 19.632 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW012162.D

Acq: 26 Aug 2019 10:47

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBSD01

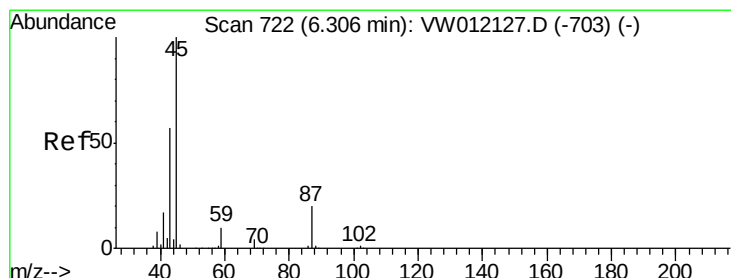
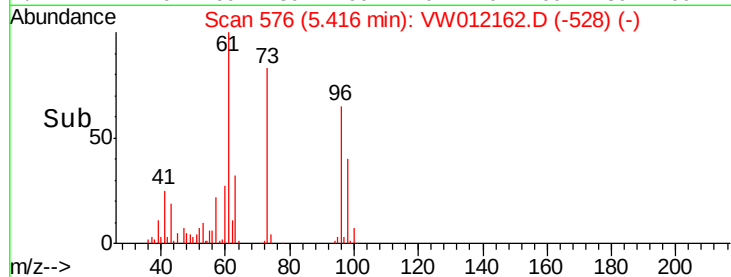
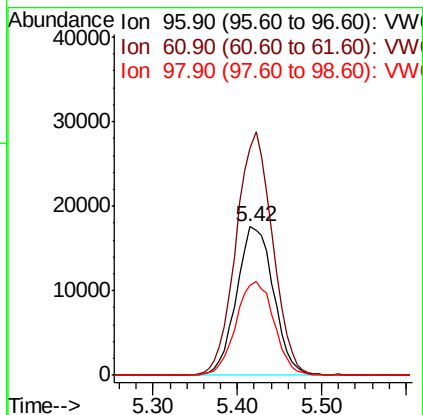
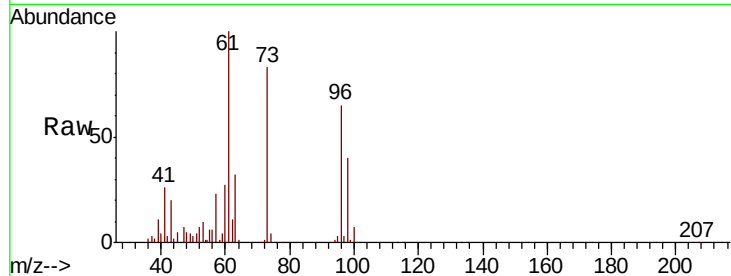
Tot Ion: 96 Resp: 52380

Ion Ratio Lower Upper

96 100

61 152.7 131.4 197.0

98 60.6 51.4 77.0



#22

Diisopropyl ether

Concen: 20.678 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW012162.D

Acq: 26 Aug 2019 10:47

Tgt Ion: 45 Resp: 203874

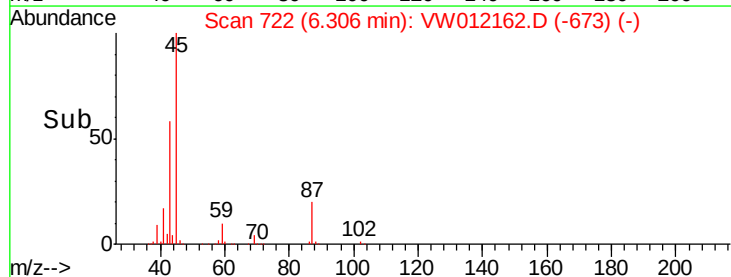
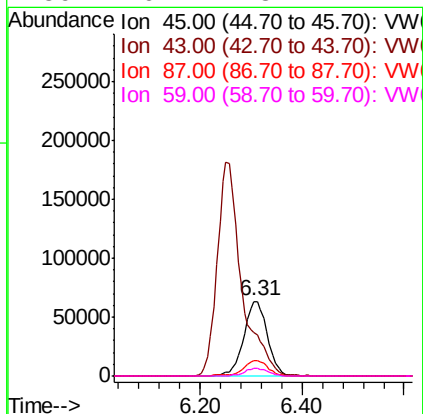
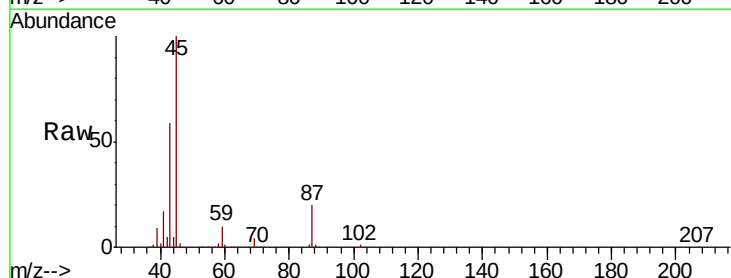
Ion Ratio Lower Upper

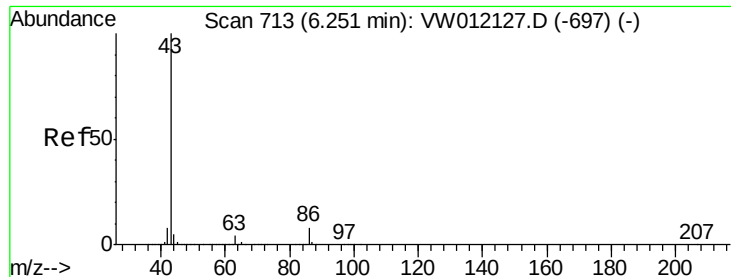
45 100

43 58.4 45.5 68.3

87 20.4 16.1 24.1

59 10.4 8.2 12.2





#23

Vinyl Acetate

Concen: 99.680 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW012162.D

Acq: 26 Aug 2019 10:47

Instrument :

MSVOA_W

ClientSampleId :

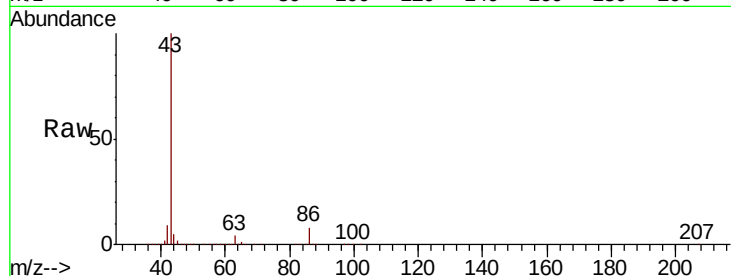
VW0826SBSD01

Tot Ion: 43 Resp: 604826

Ion Ratio Lower Upper

43 100

86 8.0 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

200000

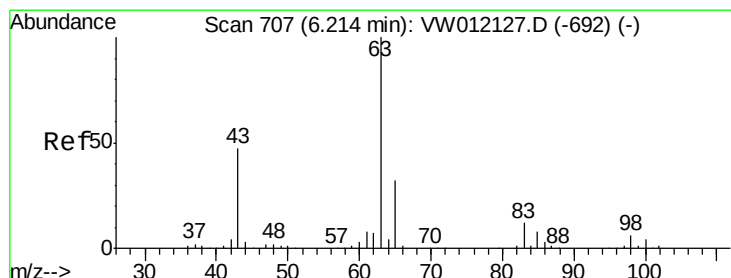
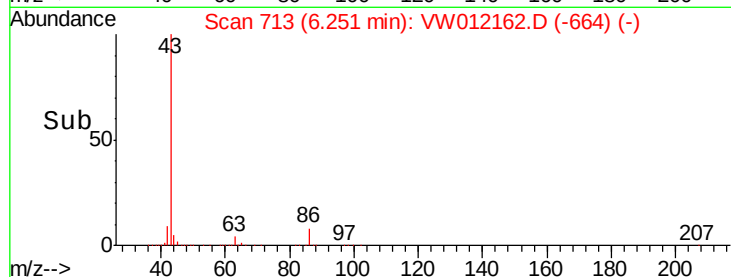
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.204 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW012162.D

Acq: 26 Aug 2019 10:47

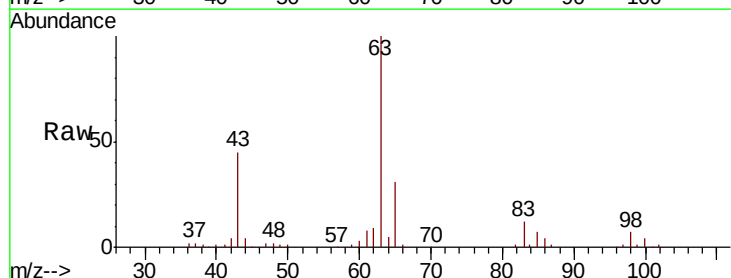
Tgt Ion: 63 Resp: 108461

Ion Ratio Lower Upper

63 100

98 7.2 3.0 9.2

100 3.7 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

40000

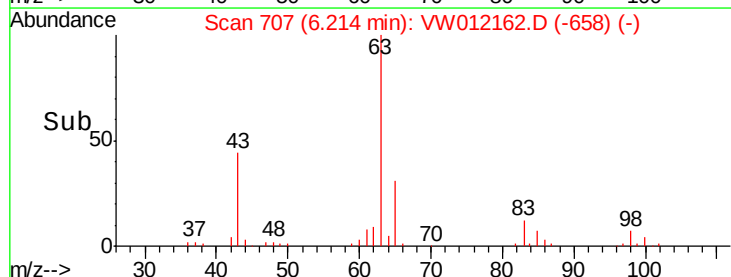
30000

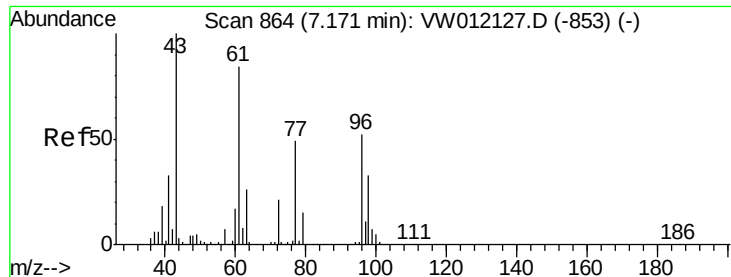
20000

10000

0

Time-->





#25

2-Butanone

Concen: 98.197 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW012162.D

Acq: 26 Aug 2019 10:47

Instrument :

MSVOA_W

ClientSampleId :

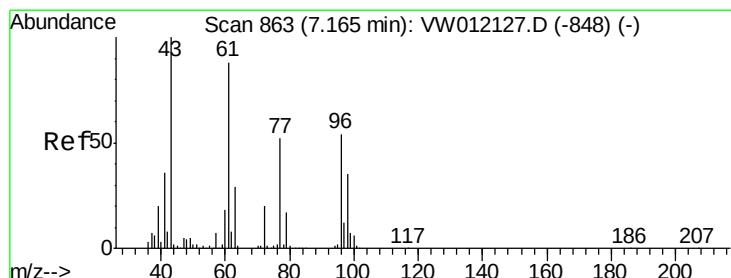
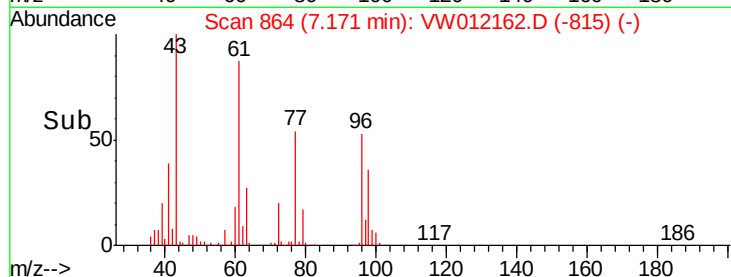
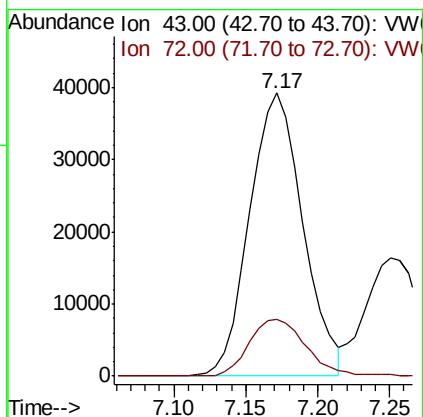
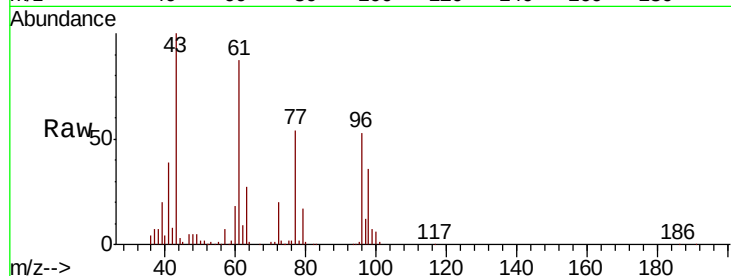
VW0826SBSD01

Tot Ion: 43 Resp: 100580

Ion Ratio Lower Upper

43 100

72 20.1 16.6 24.8



#26

2,2-Dichloropropane

Concen: 21.082 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW012162.D

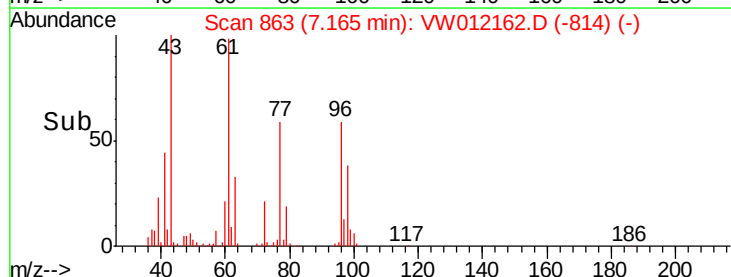
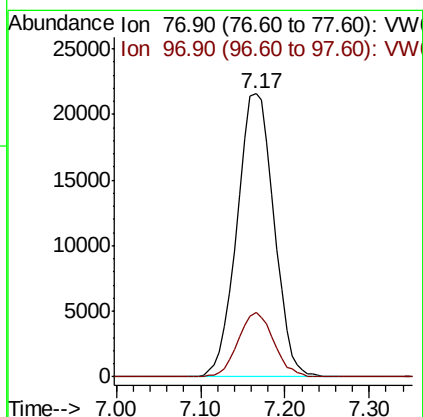
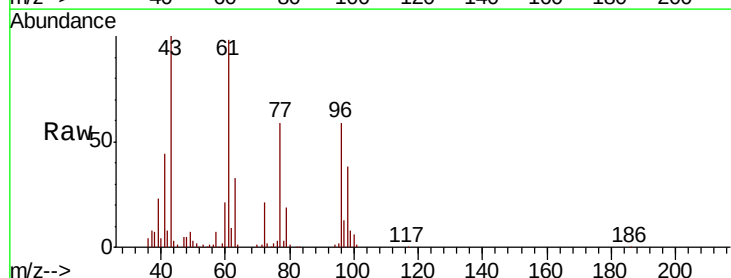
Acq: 26 Aug 2019 10:47

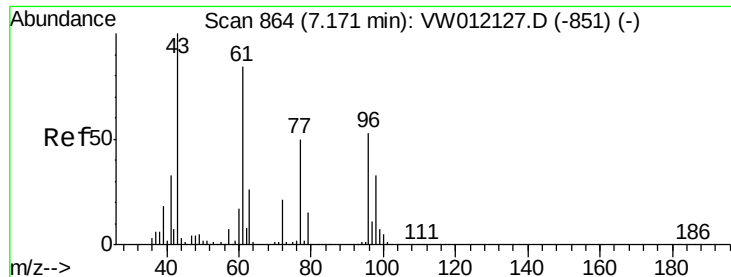
Tgt Ion: 77 Resp: 64058

Ion Ratio Lower Upper

77 100

97 21.9 11.1 33.1



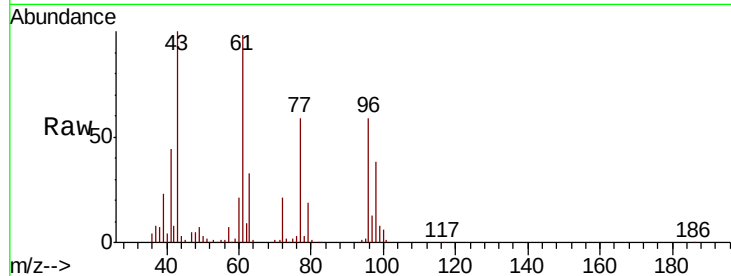


#27

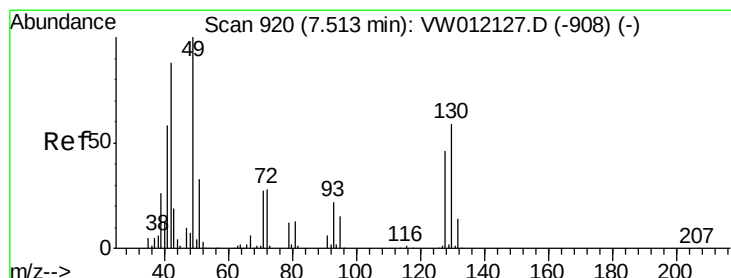
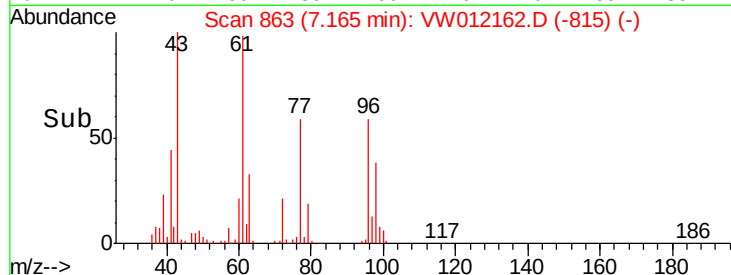
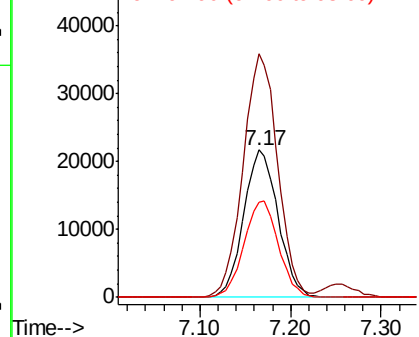
cis-1,2-Dichloroethene
 Concen: 20.014 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012162.D
 Acq: 26 Aug 2019 10:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBSD01

Tot Ion: 96 Resp: 57051
 Ion Ratio Lower Upper
 96 100
 61 165.9 0.0 326.6
 98 65.4 0.0 127.4



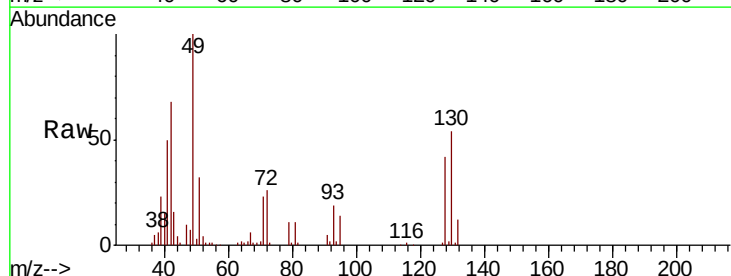
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



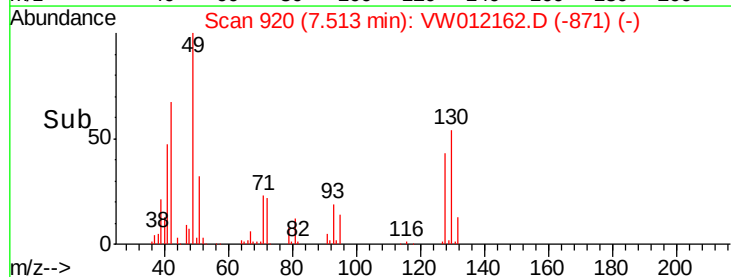
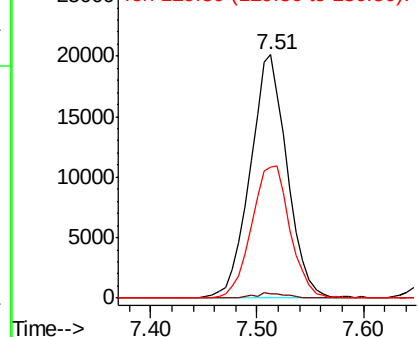
#28

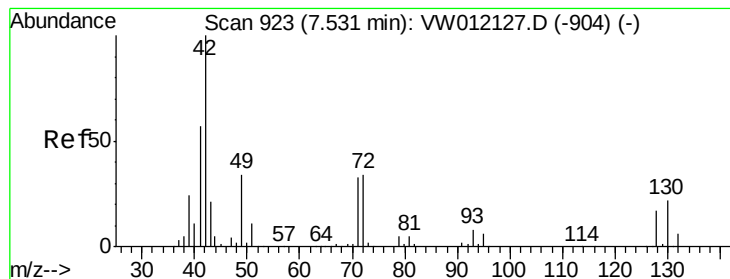
Bromochloromethane
 Concen: 20.836 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW012162.D
 Acq: 26 Aug 2019 10:47

Tgt Ion: 49 Resp: 48751
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 1.4#
 130 56.8 45.5 68.3



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: 103.597 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW012162.D

Acq: 26 Aug 2019 10:47

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBSD01

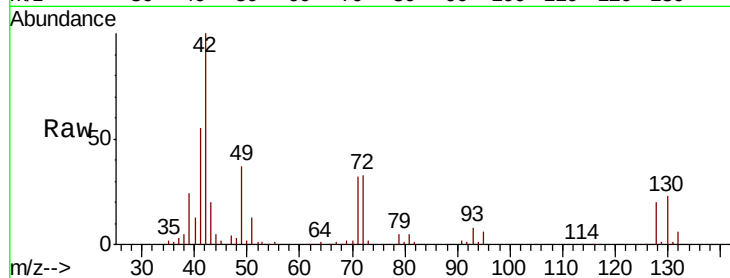
Tot Ion: 42 Resp: 63662

Ion Ratio Lower Upper

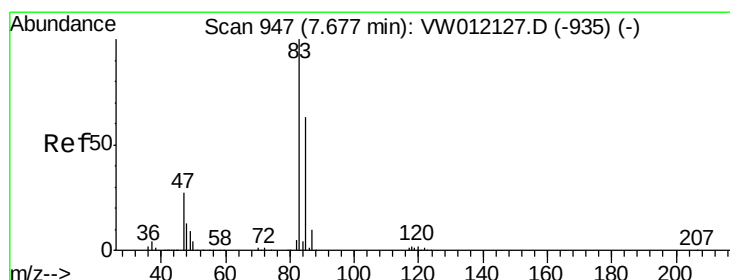
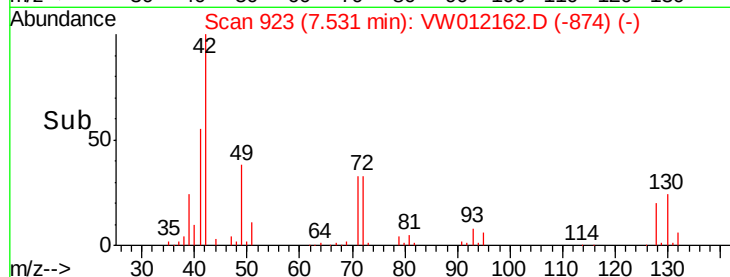
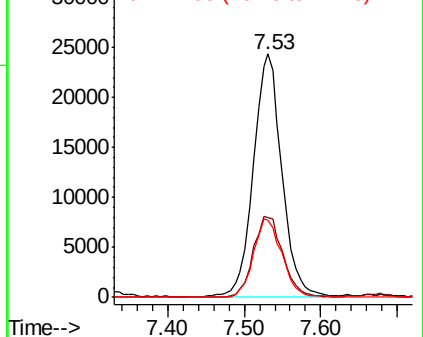
42 100

72 34.4 27.3 40.9

71 32.2 25.5 38.3



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



#30

Chloroform

Concen: 20.556 ug/l

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW012162.D

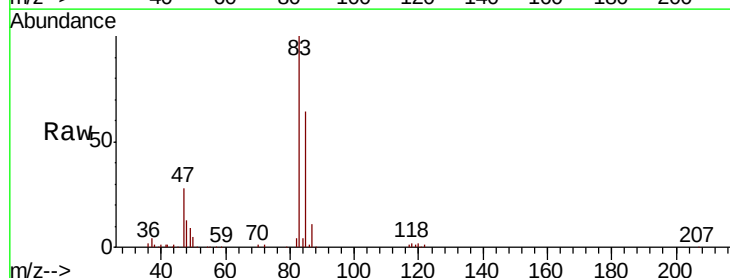
Acq: 26 Aug 2019 10:47

Tgt Ion: 83 Resp: 100960

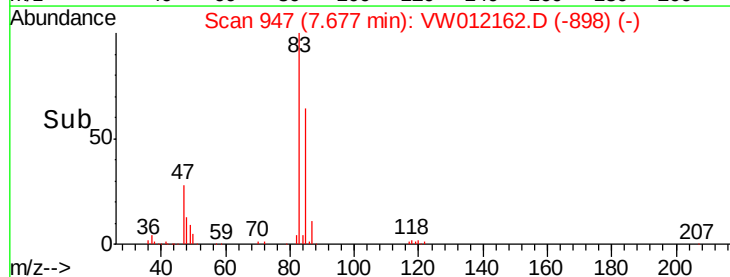
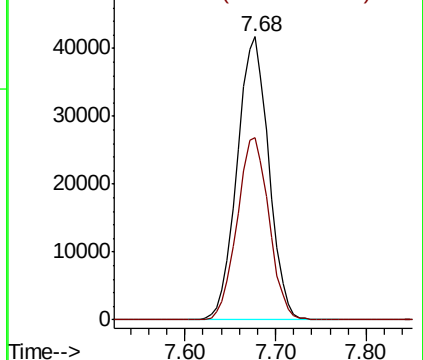
Ion Ratio Lower Upper

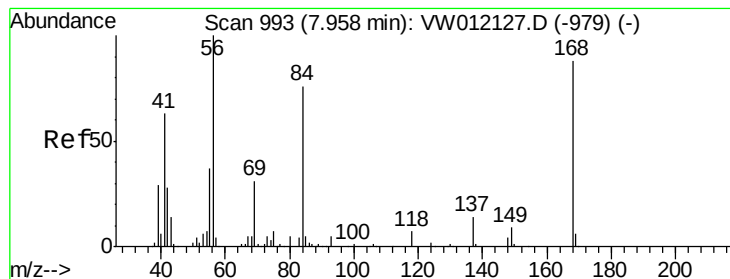
83 100

85 64.4 50.6 76.0



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





#31

Cyclohexane

Concen: 18.844 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012162.D

Acq: 26 Aug 2019 10:47

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBSD01

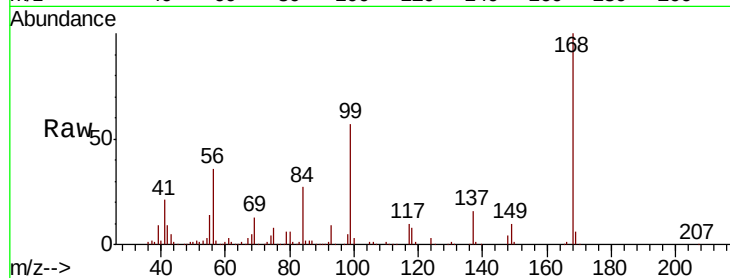
Tot Ion: 56 Resp: 100087

Ion Ratio Lower Upper

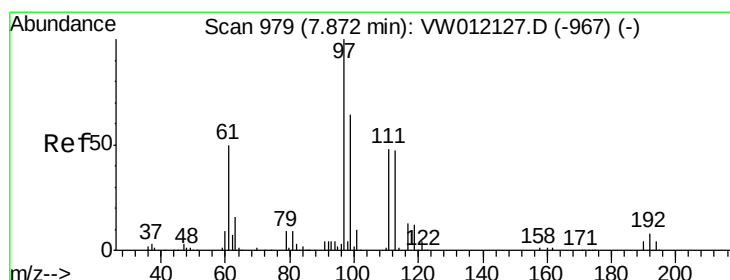
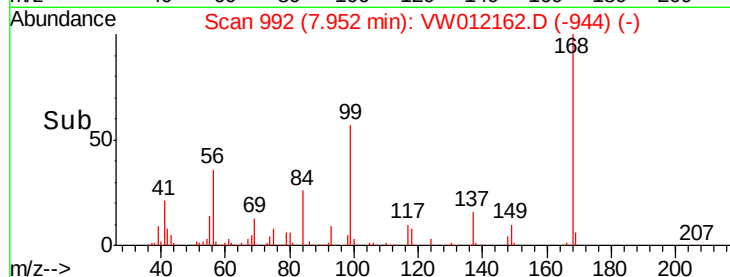
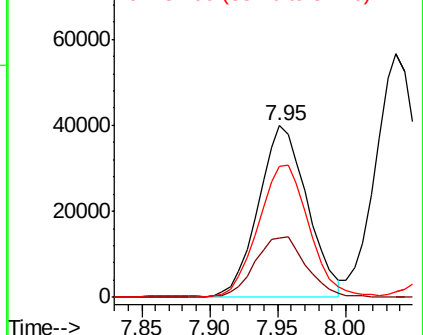
56 100

69 34.8 24.9 37.3

84 75.0 60.6 90.8



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



#32

1,1,1-Trichloroethane

Concen: 20.724 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW012162.D

Acq: 26 Aug 2019 10:47

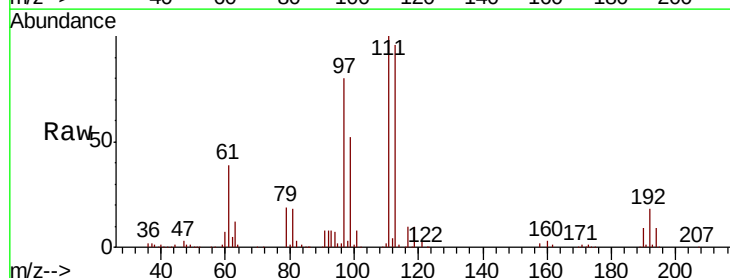
Tgt Ion: 97 Resp: 80521

Ion Ratio Lower Upper

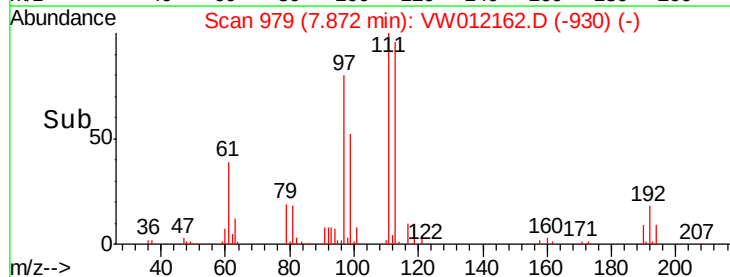
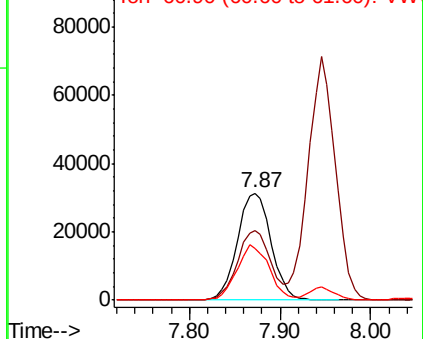
97 100

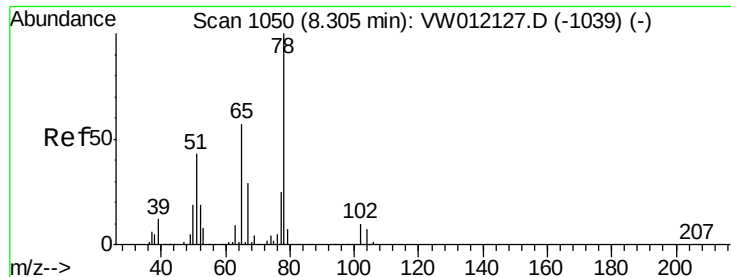
99 63.3 51.4 77.0

61 49.4 39.5 59.3



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

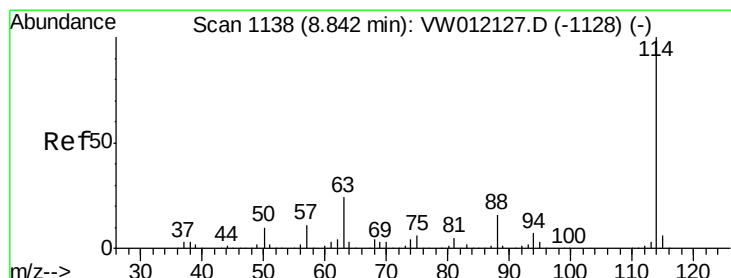
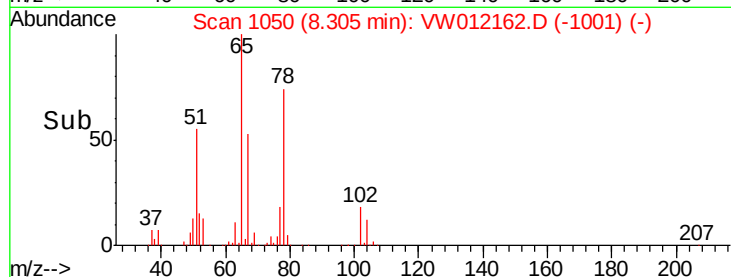
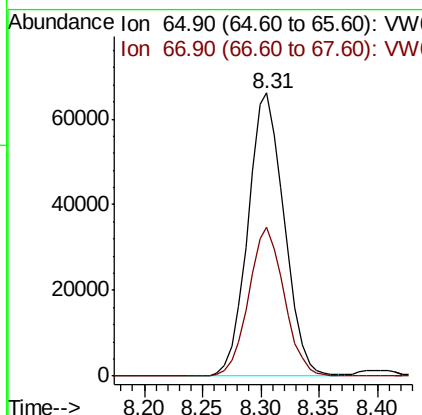
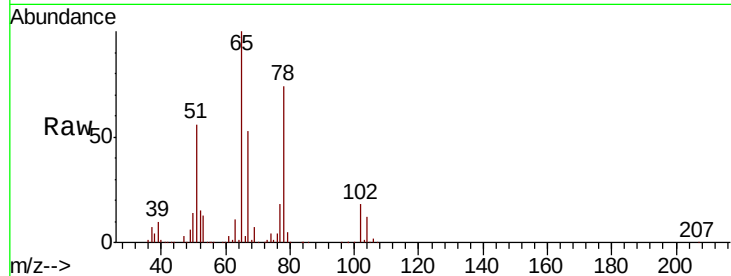




#33
 1,2-Dichloroethane-d4
 Concen: 48.583 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW012162.D
 Acq: 26 Aug 2019 10:47

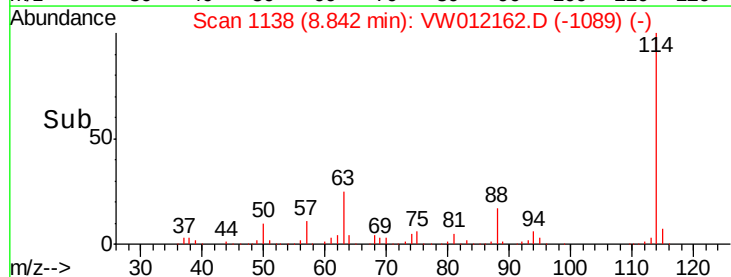
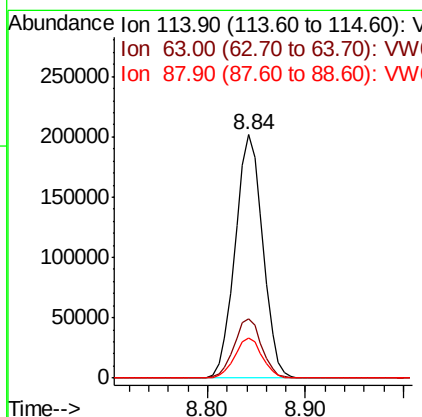
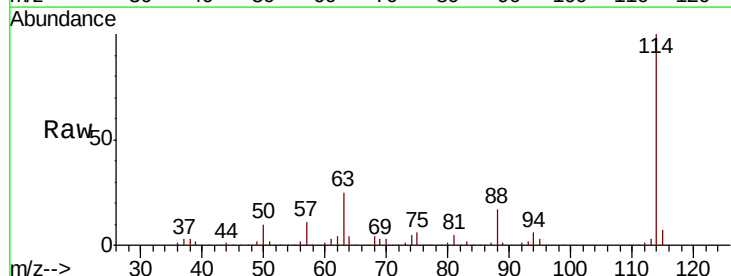
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBSD01

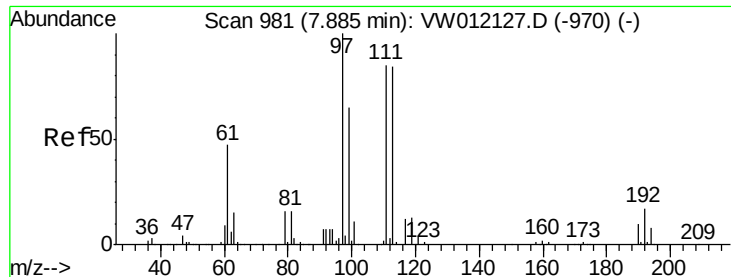
Tot Ion: 65 Resp: 143259
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012162.D
 Acq: 26 Aug 2019 10:47

Tgt Ion: 114 Resp: 395272
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 48.6
 88 16.7 0.0 32.2

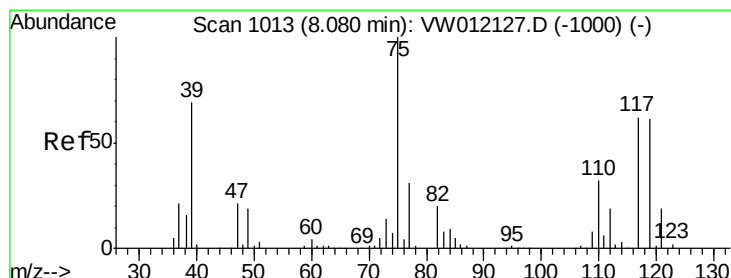
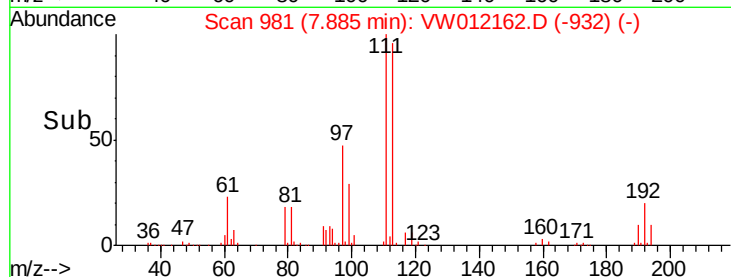
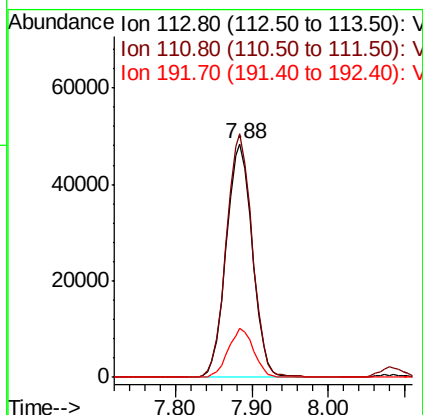
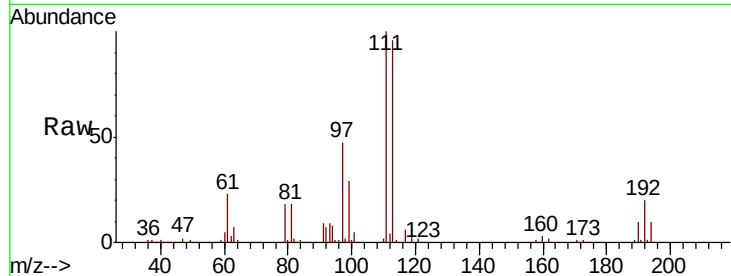




#35
 Dibromofluoromethane
 Concen: 48.509 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012162.D
 Acq: 26 Aug 2019 10:47

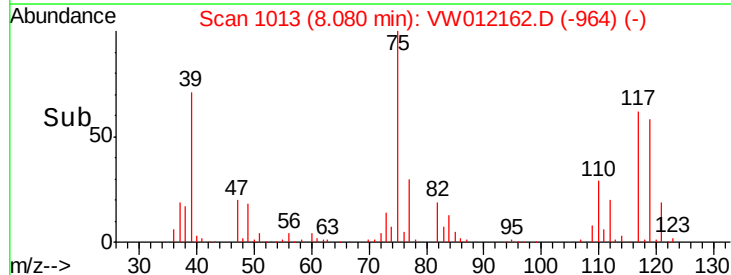
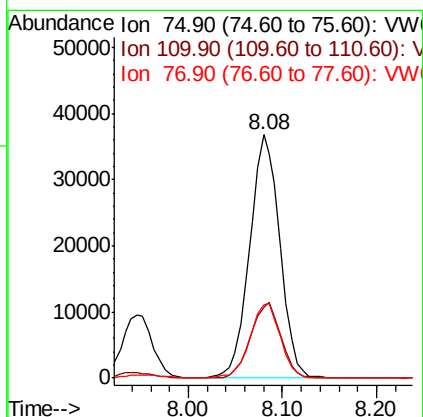
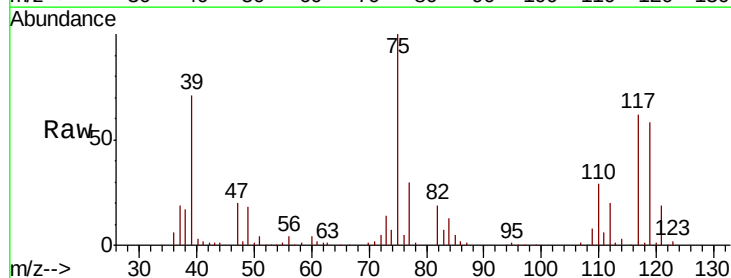
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBSD01

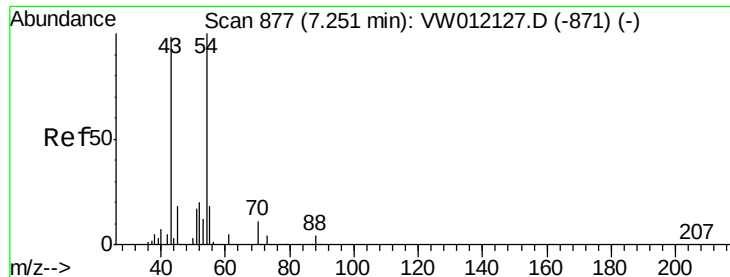
Tot Ion:113 Resp: 114451
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.7 124.1
 192 20.4 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 20.290 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW012162.D
 Acq: 26 Aug 2019 10:47

Tgt Ion: 75 Resp: 82878
 Ion Ratio Lower Upper
 75 100
 110 31.0 15.6 46.8
 77 30.9 24.6 36.8

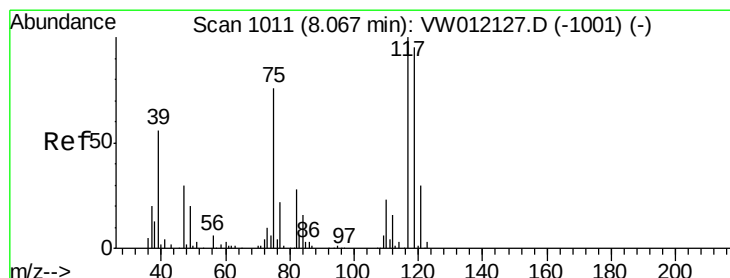
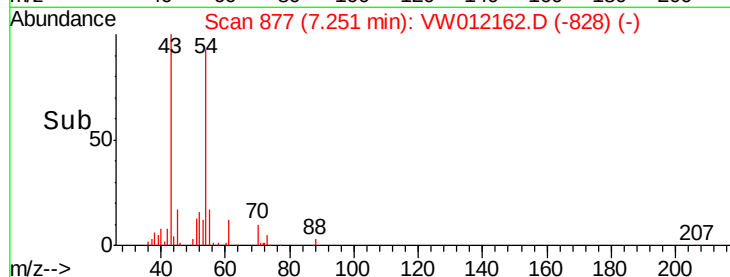
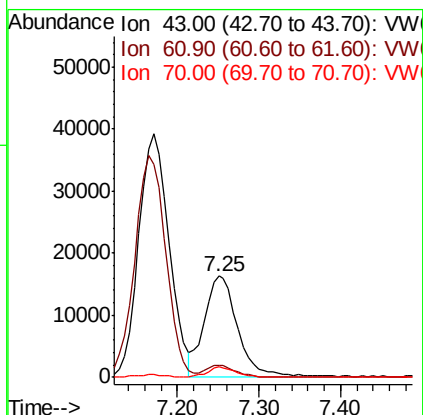
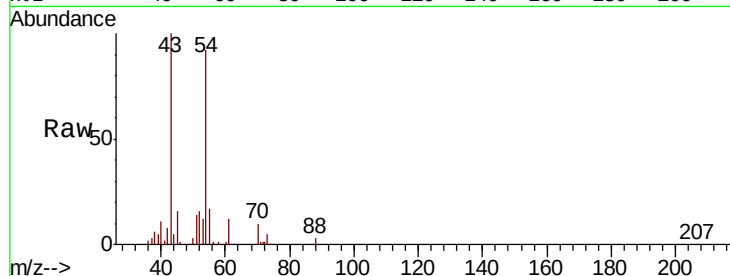




#37
Ethyl Acetate
Concen: 20.634 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW012162.D
Acq: 26 Aug 2019 10:47

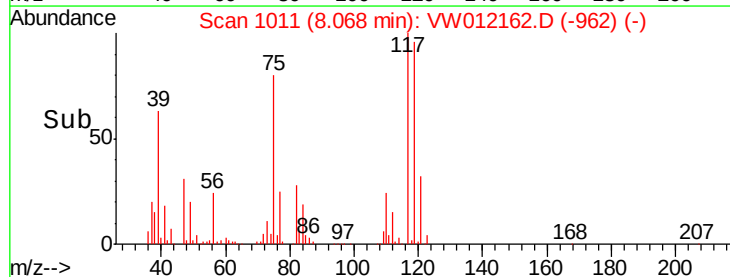
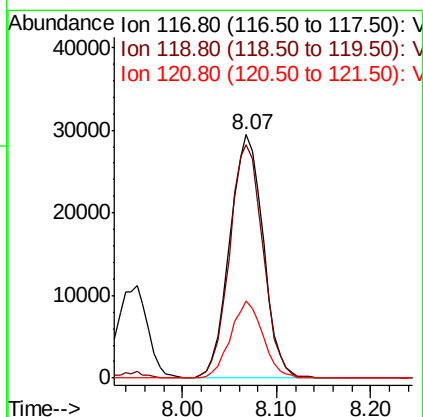
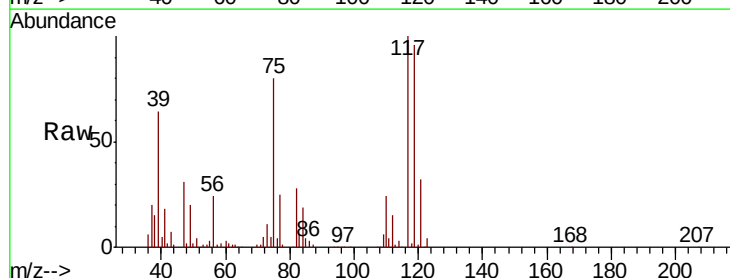
Instrument :
MSVOA_W
ClientSampleId :
VW0826SBSD01

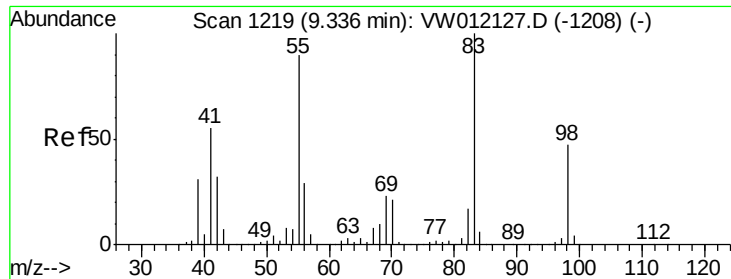
Tot Ion: 43 Resp: 46187
Ion Ratio Lower Upper
43 100
61 10.9 9.2 13.8
70 9.0 6.9 10.3



#38
Carbon Tetrachloride
Concen: 20.614 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW012162.D
Acq: 26 Aug 2019 10:47

Tgt Ion: 117 Resp: 72879
Ion Ratio Lower Upper
117 100
119 95.7 76.2 114.2
121 31.7 23.8 35.8

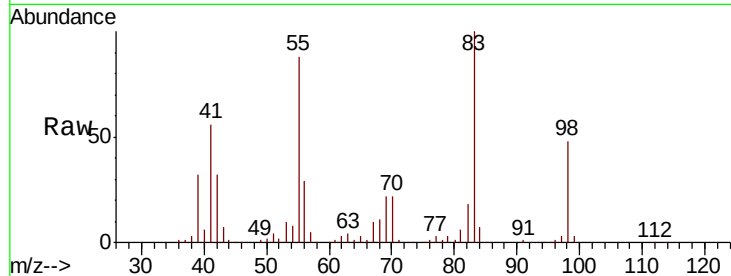




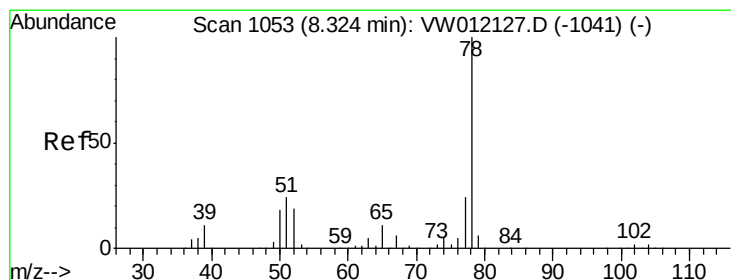
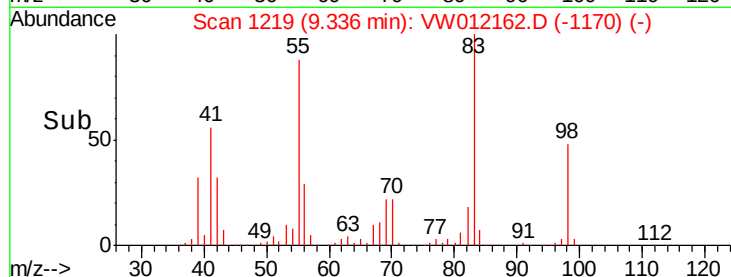
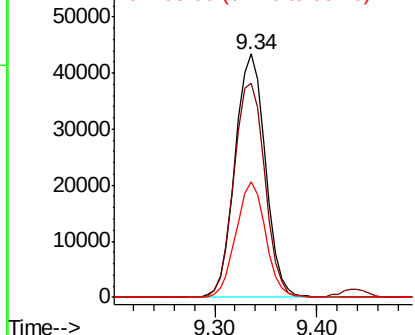
#39
Methylvlcyclohexane
Concen: 19.505 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW012162.D
Acq: 26 Aug 2019 10:47

Instrument :
MSVOA_W
ClientSampleId :
VW0826SBSD01

Tot Ion: 83 Resp: 89504
Ion Ratio Lower Upper
83 100
55 87.7 71.8 107.8
98 47.6 37.8 56.8

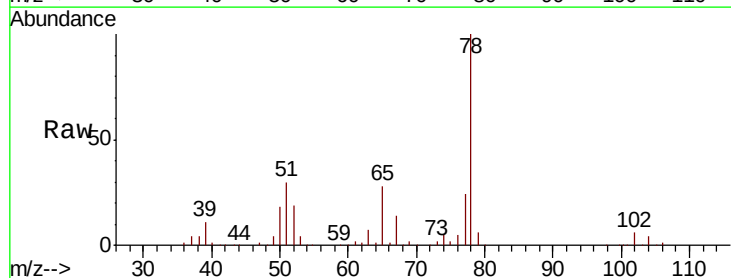


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

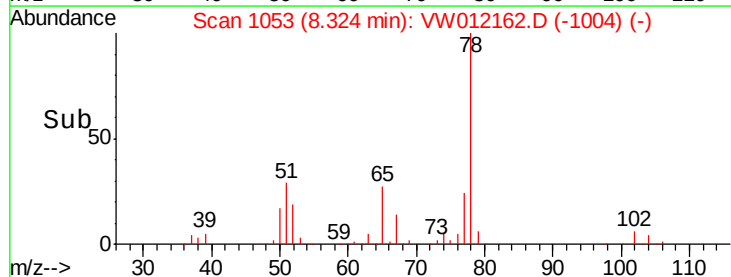
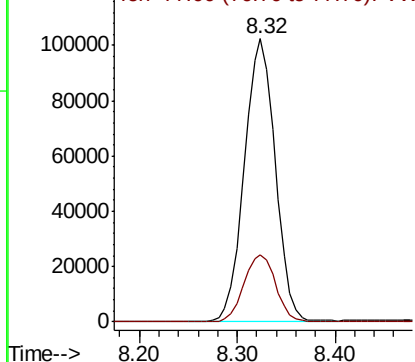


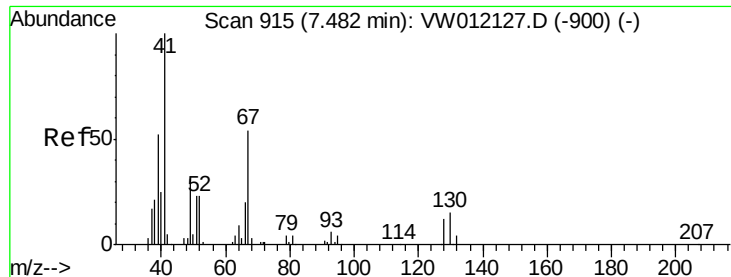
#40
Benzene
Concen: 20.194 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW012162.D
Acq: 26 Aug 2019 10:47

Tgt Ion: 78 Resp: 225231
Ion Ratio Lower Upper
78 100
77 23.8 19.5 29.3



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW

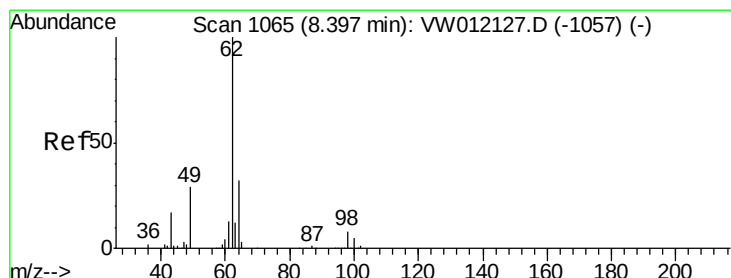
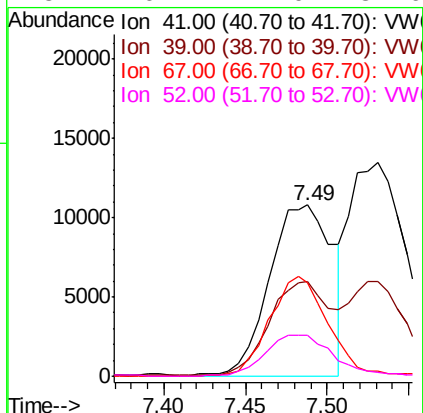
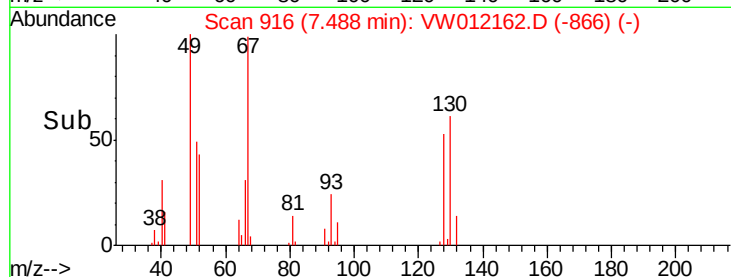
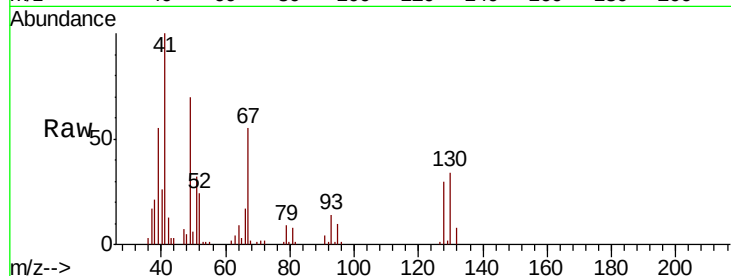




#41
Methacrylonitrile
Concen: 22.023 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW012162.D
Acq: 26 Aug 2019 10:47

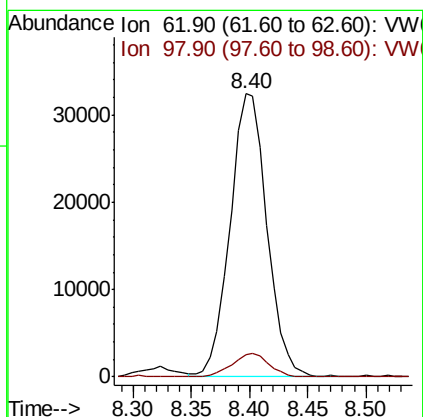
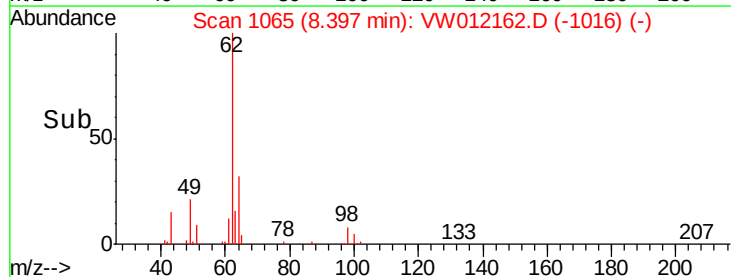
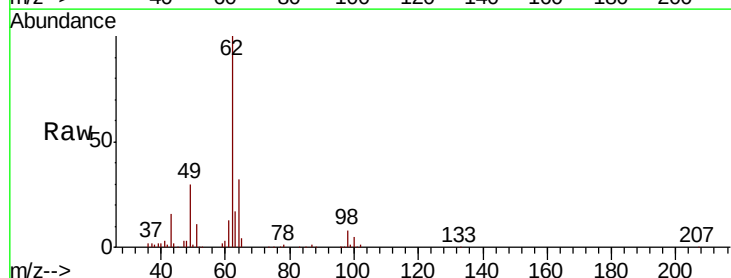
Instrument :
MSVOA_W
ClientSampleId :
VW0826SBSD01

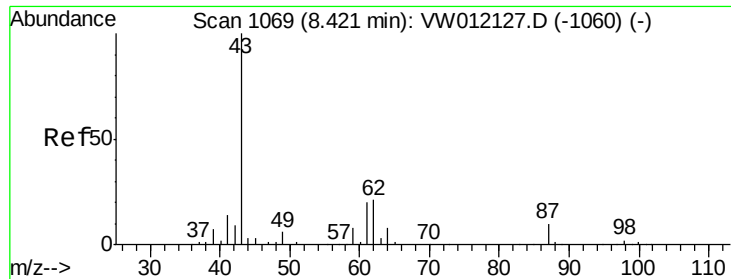
Tot Ion:	41	Resp:	28973
Ion	Ratio	Lower	Upper
41	100		
39	52.9	45.8	68.8
67	54.7	46.2	69.4
52	26.4	21.0	31.6



#42
1,2-Dichloroethane
Concen: 20.458 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW012162.D
Acq: 26 Aug 2019 10:47

Tgt Ion:	62	Resp:	71512
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.6





#43

Isopropyl Acetate

Concen: 20.186 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW012162.D

Acq: 26 Aug 2019 10:47

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBSD01

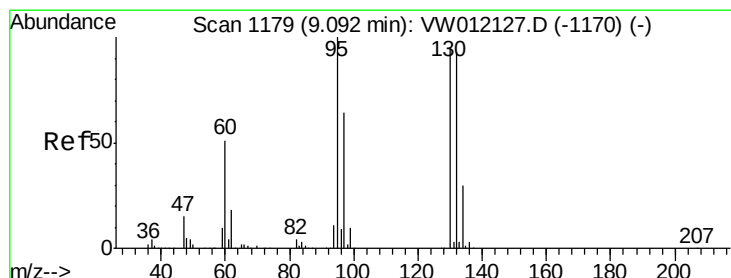
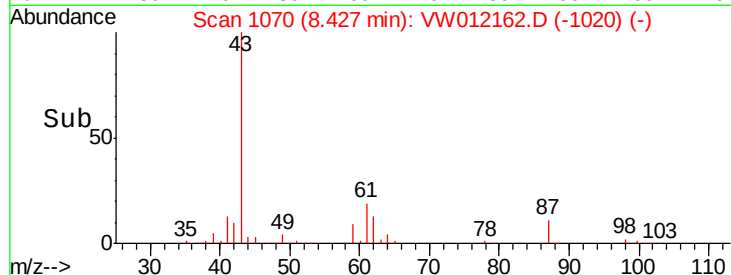
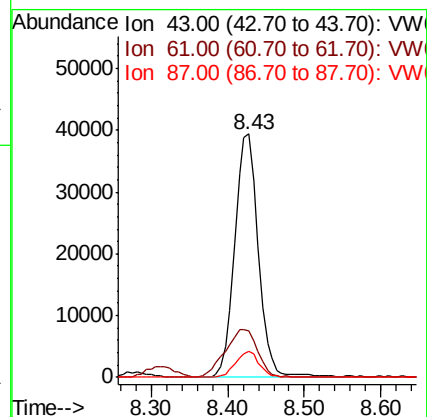
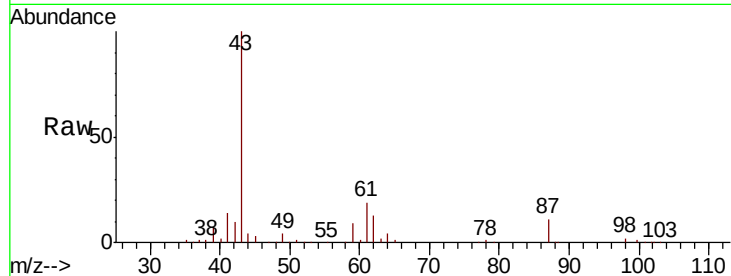
Tot Ion: 43 Resp: 83692

Ion Ratio Lower Upper

43 100

61 26.6 21.1 31.7

87 10.5 8.2 12.2



#44

Trichloroethene

Concen: 20.243 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW012162.D

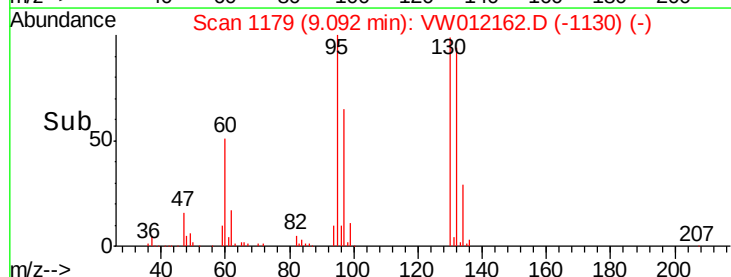
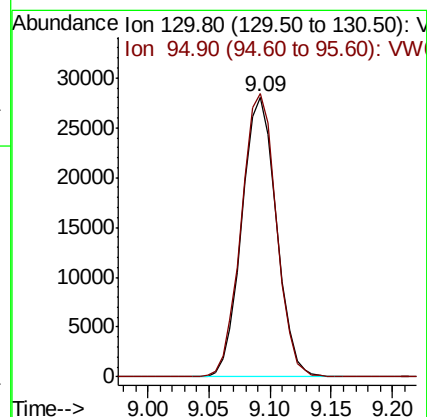
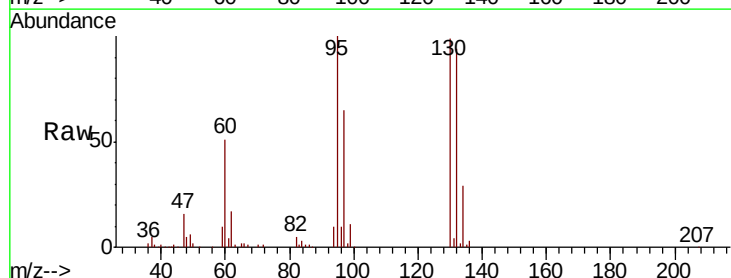
Acq: 26 Aug 2019 10:47

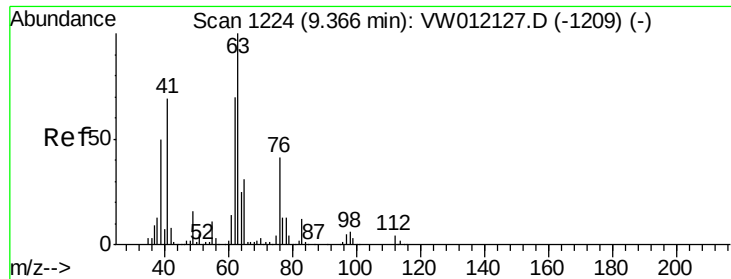
Tgt Ion: 130 Resp: 54887

Ion Ratio Lower Upper

130 100

95 101.1 0.0 210.6

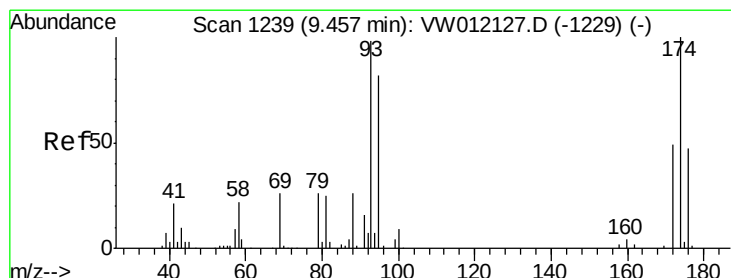
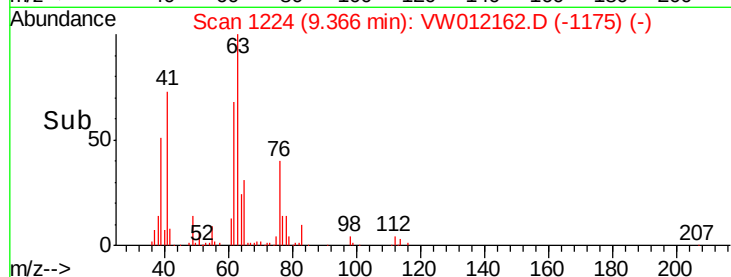
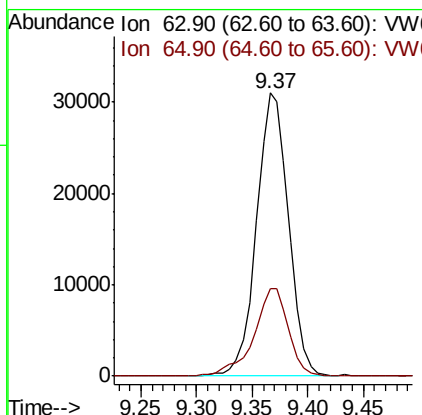
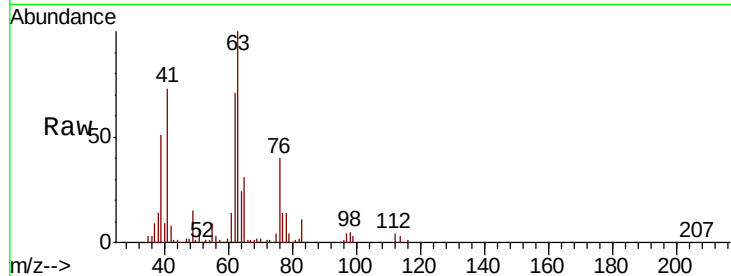




#45
 1,2-Dichloropropane
 Concen: 20.675 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW012162.D
 Acq: 26 Aug 2019 10:47

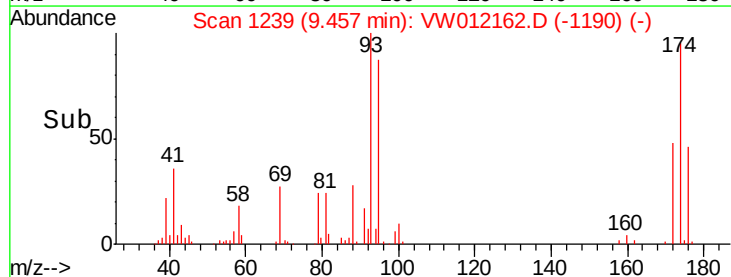
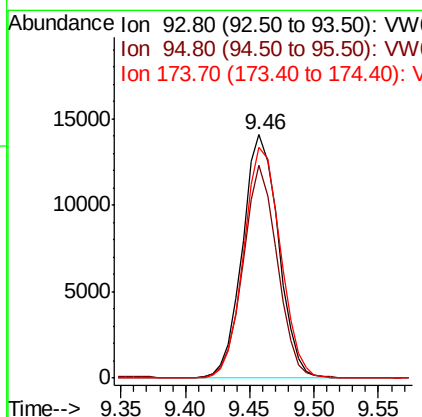
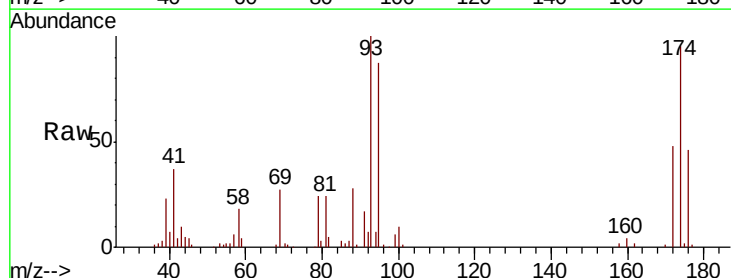
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBSD01

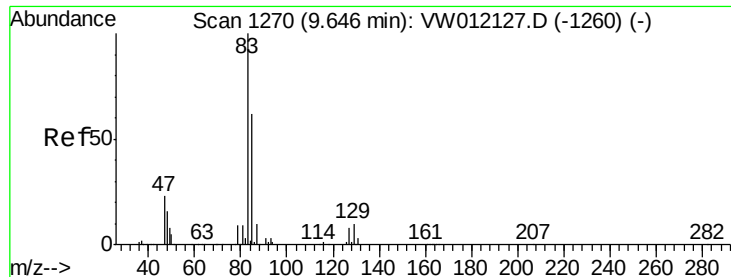
Tot Ion: 63 Resp: 62061
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.0 37.4



#46
 Dibromomethane
 Concen: 20.391 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW012162.D
 Acq: 26 Aug 2019 10:47

Tgt Ion: 93 Resp: 27233
 Ion Ratio Lower Upper
 93 100
 95 83.1 67.2 100.8
 174 96.7 79.0 118.6





#47

Bromodichloromethane

Concen: 20.510 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW012162.D

Acq: 26 Aug 2019 10:47

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBSD01

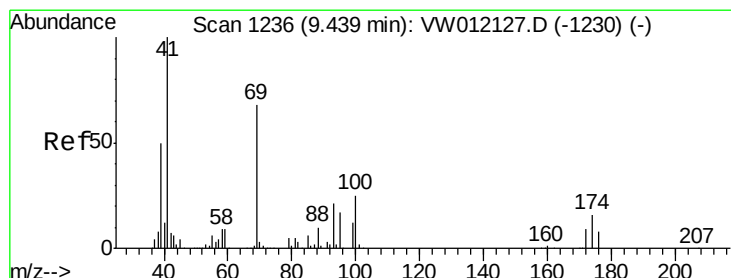
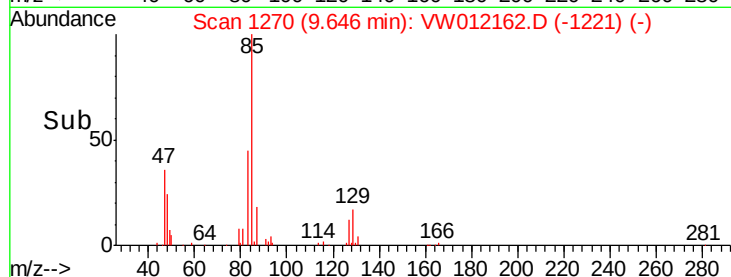
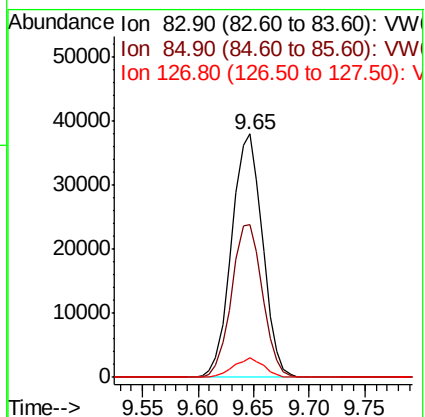
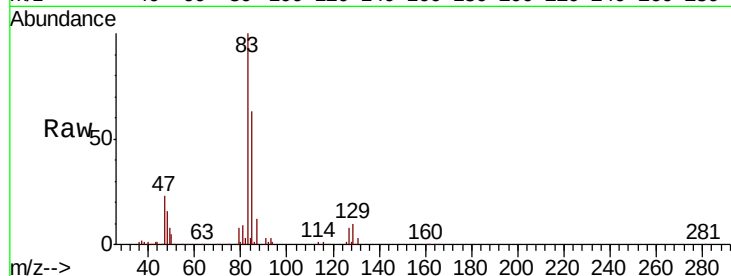
Tot Ion: 83 Resp: 72902

Ion Ratio Lower Upper

83 100

85 62.8 49.4 74.2

127 7.8 6.1 9.1



#48

Methyl methacrylate

Concen: 19.632 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW012162.D

Acq: 26 Aug 2019 10:47

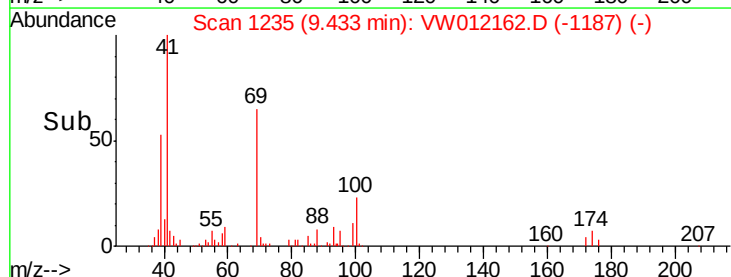
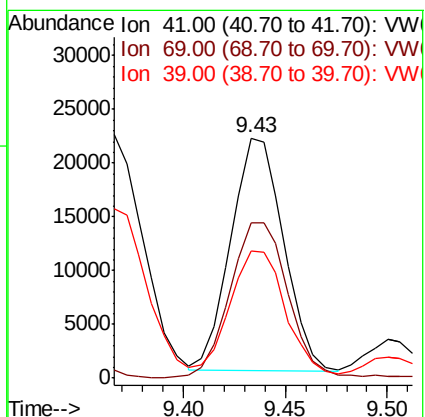
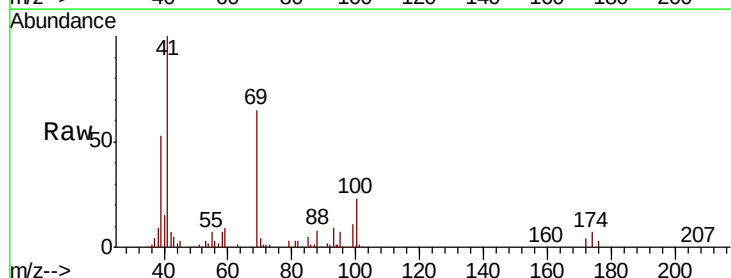
Tgt Ion: 41 Resp: 38740

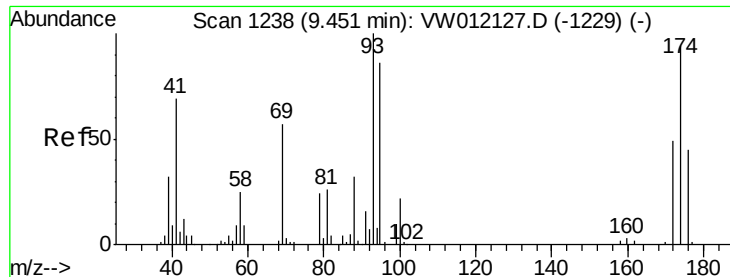
Ion Ratio Lower Upper

41 100

69 74.4 56.7 85.1

39 58.7 42.0 63.0





#49

1,4-Dioxane

Concen: 434.511 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.00 min

Lab File: VW012162.D

Acq: 26 Aug 2019 10:47

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBSD01

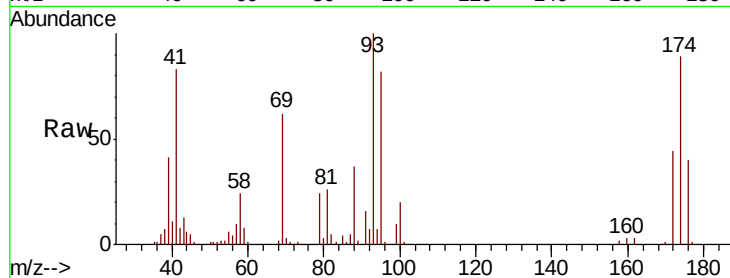
Tot Ion: 88 Resp: 8884

Ion Ratio Lower Upper

88 100

43 41.9 32.9 49.3

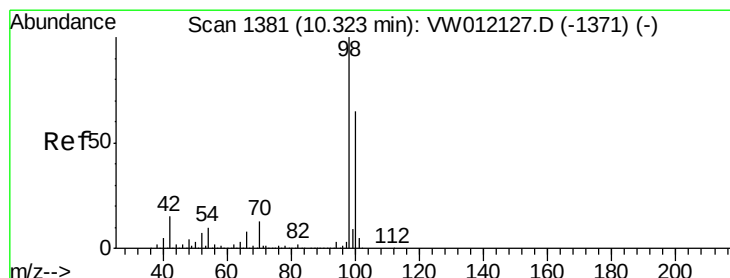
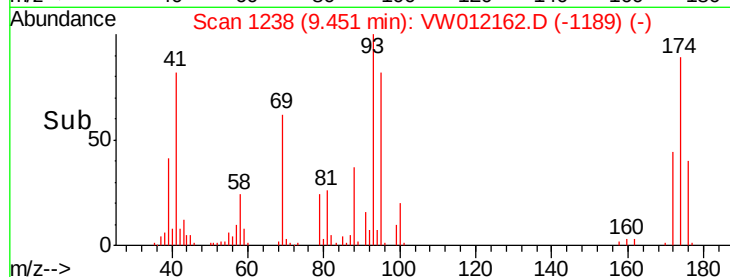
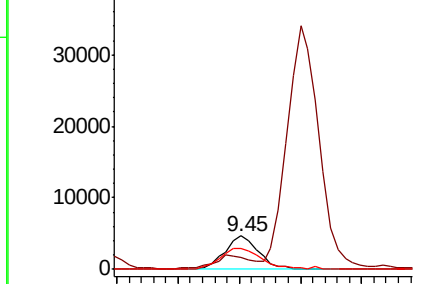
58 79.2 71.0 106.4



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: 49.570 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012162.D

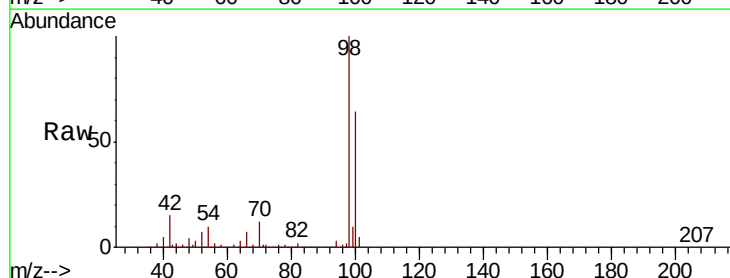
Acq: 26 Aug 2019 10:47

Tgt Ion: 98 Resp: 474215

Ion Ratio Lower Upper

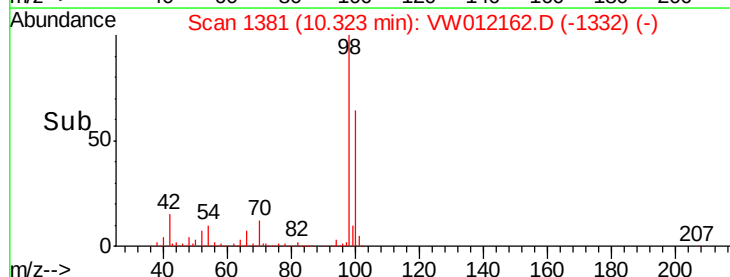
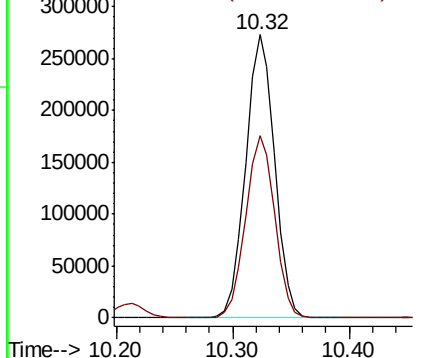
98 100

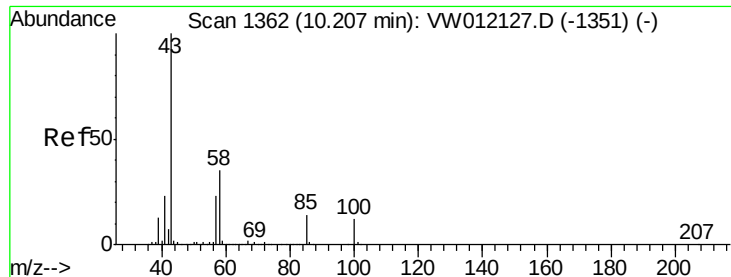
100 64.8 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

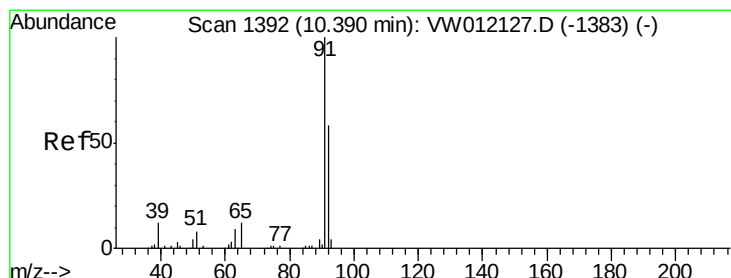
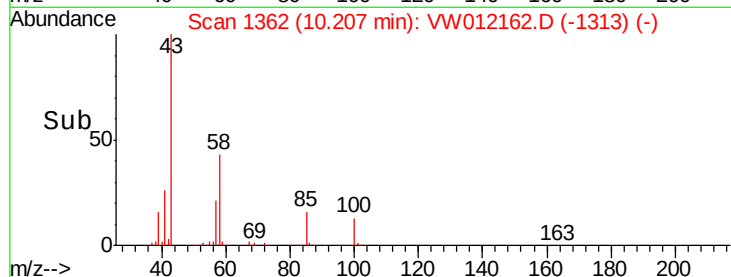
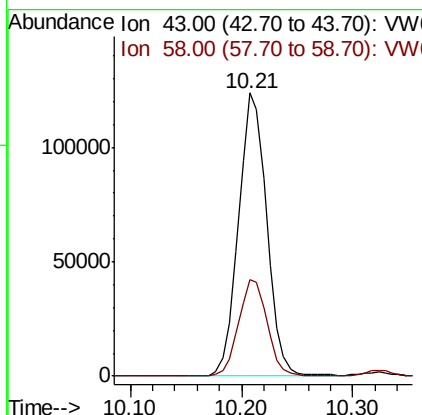
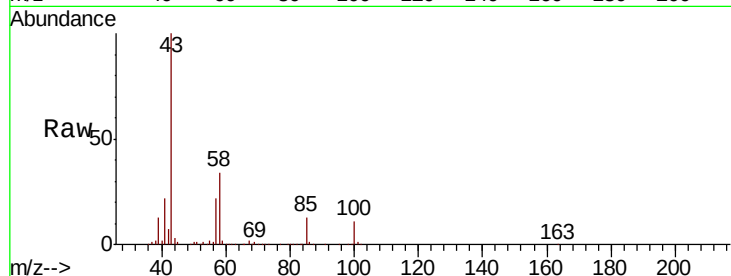




#51
 4-Methyl-2-Pentanone
 Concen: 103.027 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW012162.D
 Acq: 26 Aug 2019 10:47

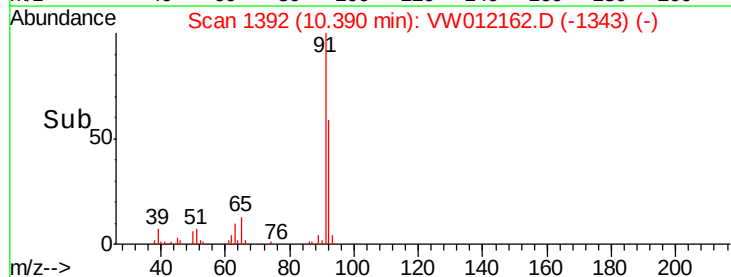
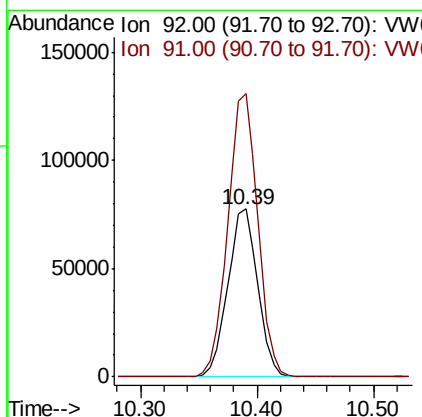
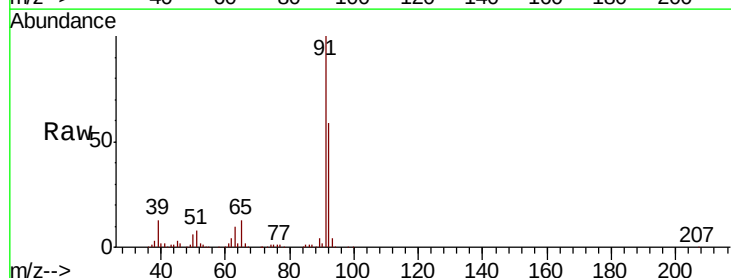
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBSD01

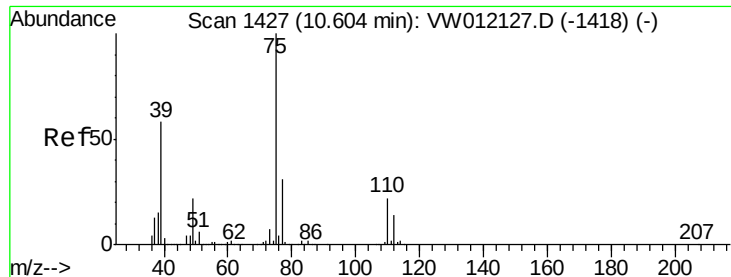
Tot Ion: 43 Resp: 217268
 Ion Ratio Lower Upper
 43 100
 58 34.5 28.2 42.2



#52
 Toluene
 Concen: 20.555 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW012162.D
 Acq: 26 Aug 2019 10:47

Tgt Ion: 92 Resp: 137730
 Ion Ratio Lower Upper
 92 100
 91 169.9 136.6 204.8

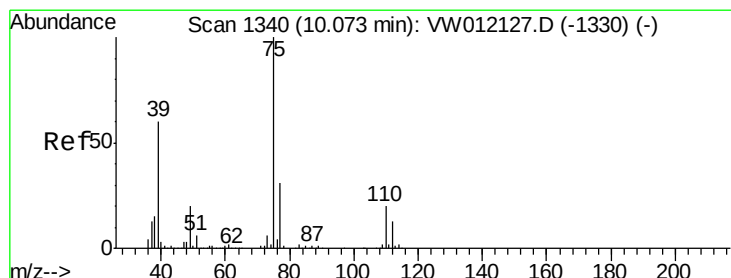
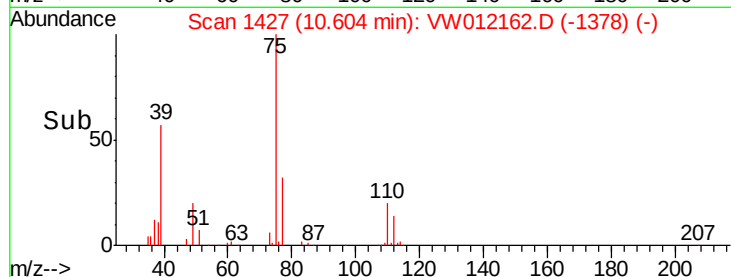
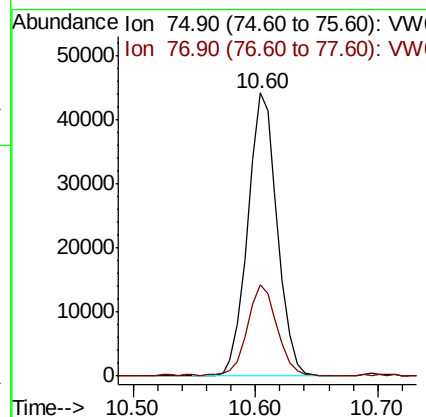
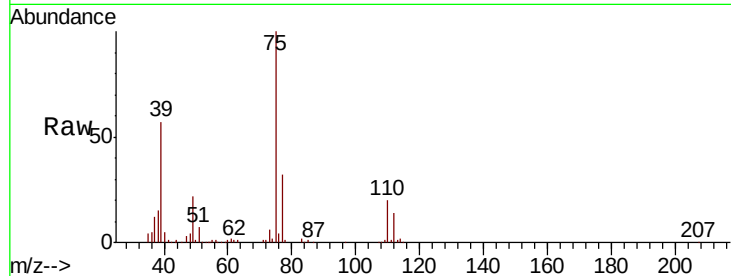




#53
t-1,3-Dichloropropene
Concen: 20.345 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW012162.D
Acq: 26 Aug 2019 10:47

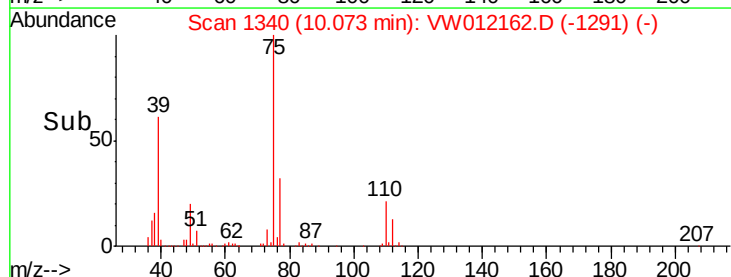
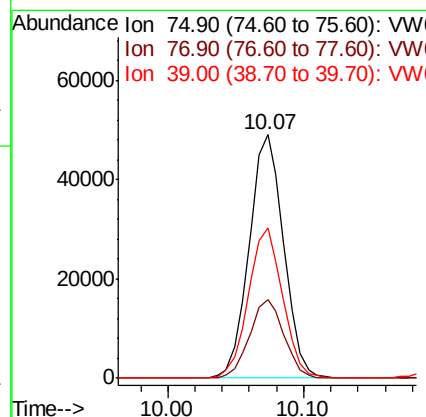
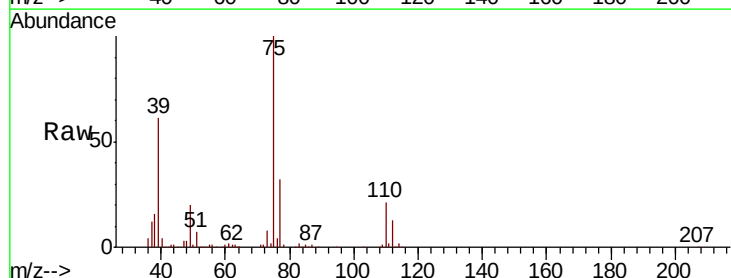
Instrument :
MSVOA_W
ClientSampleId :
VW0826SBSD01

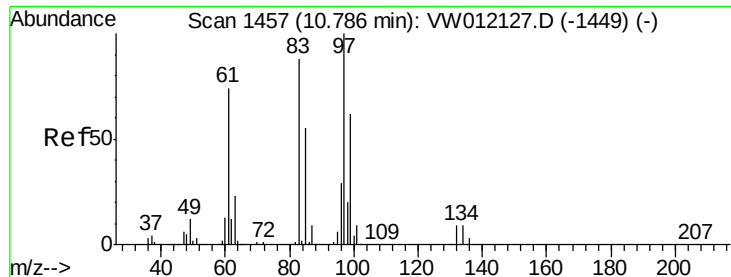
Tot Ion: 75 Resp: 73664
Ion Ratio Lower Upper
75 100
77 31.8 25.0 37.4



#54
cis-1,3-Dichloropropene
Concen: 19.931 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW012162.D
Acq: 26 Aug 2019 10:47

Tgt Ion: 75 Resp: 87135
Ion Ratio Lower Upper
75 100
77 32.3 25.1 37.7
39 61.2 48.3 72.5

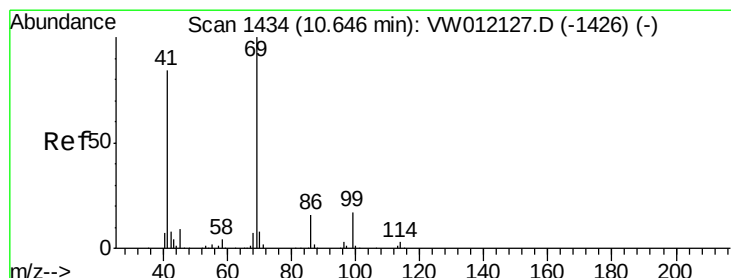
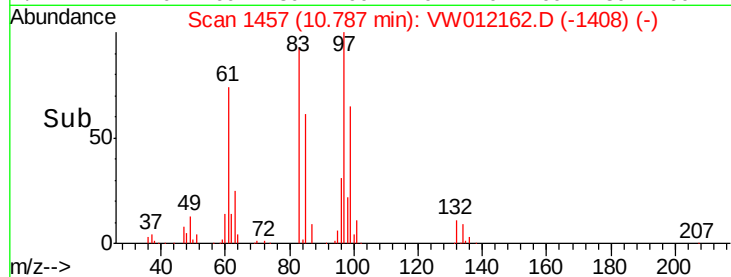
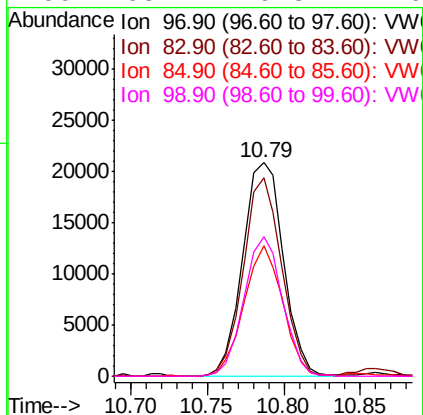
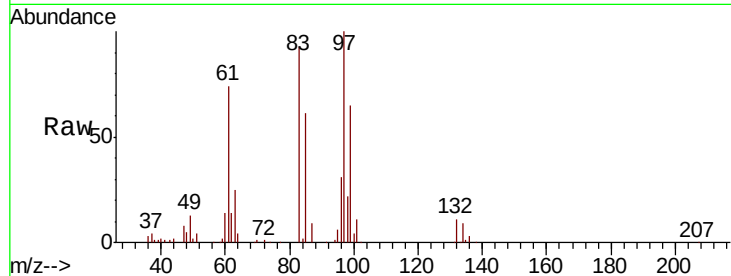




#55
 1,1,2-Trichloroethane
 Concen: 20.521 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW012162.D
 Acq: 26 Aug 2019 10:47

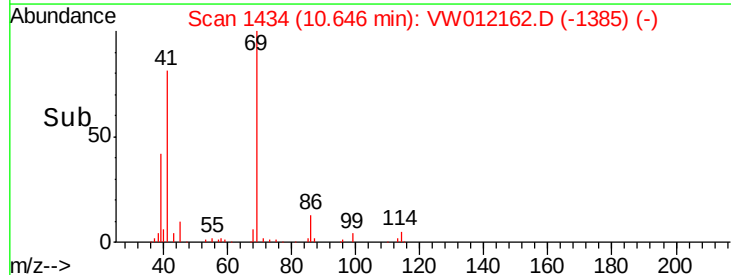
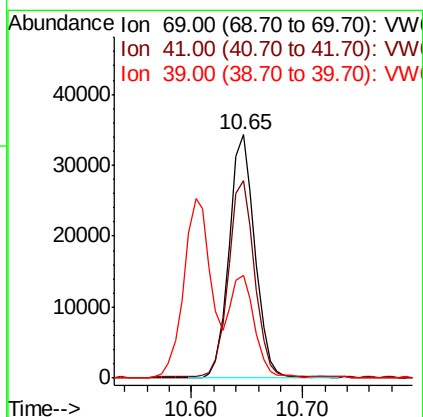
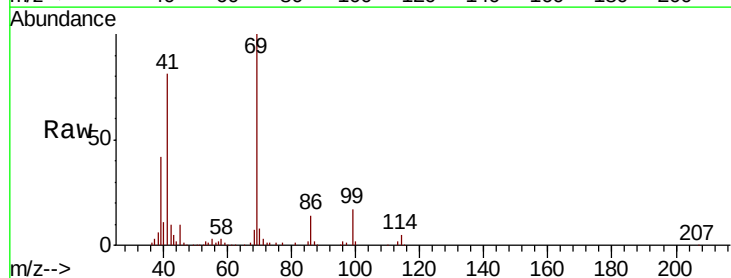
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBSD01

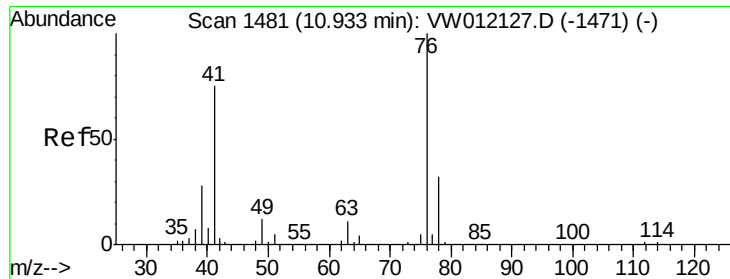
Tot Ion:	97	Resp:	38778
Ion	Ratio	Lower	Upper
97	100		
83	92.8	70.8	106.2
85	61.2	43.8	65.8
99	65.1	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 20.034 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW012162.D
 Acq: 26 Aug 2019 10:47

Tgt Ion:	69	Resp:	55099
Ion	Ratio	Lower	Upper
69	100		
41	80.4	66.5	99.7
39	39.4	31.0	46.4

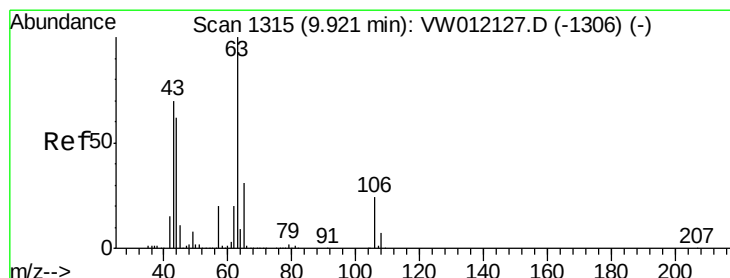
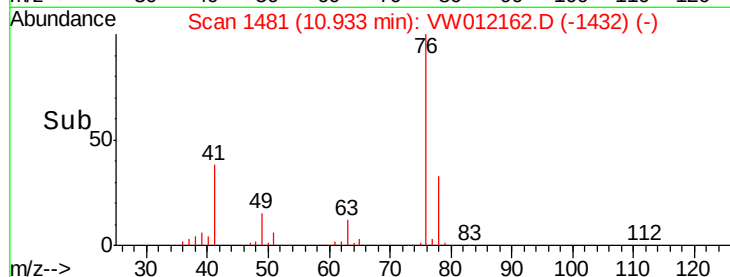
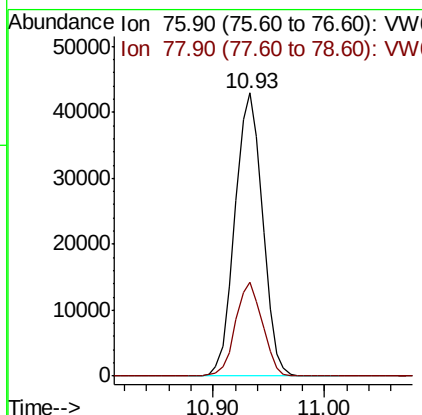
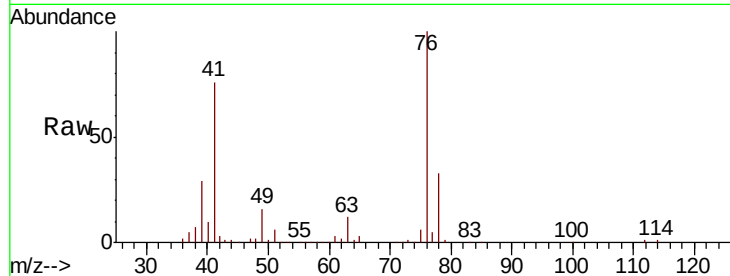




#57
 1,3-Dichloropropane
 Concen: 20.747 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW012162.D
 Acq: 26 Aug 2019 10:47

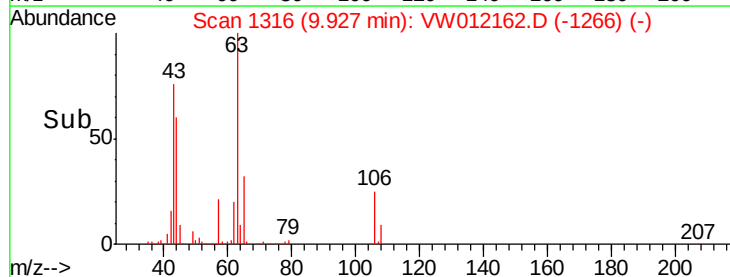
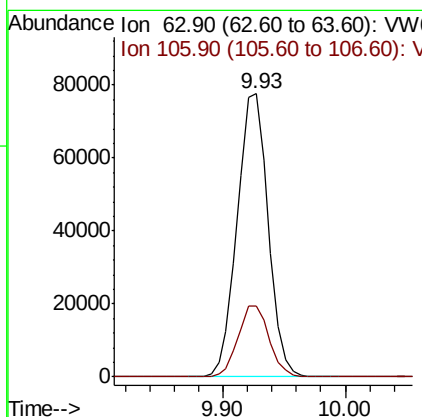
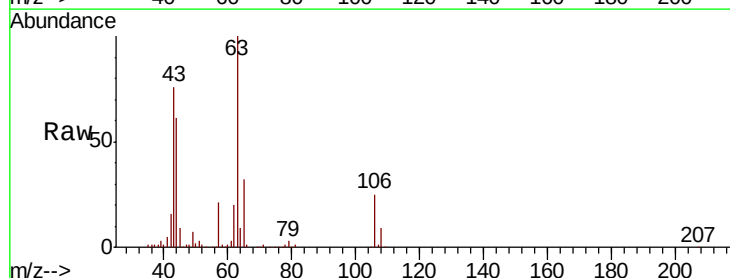
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBS01

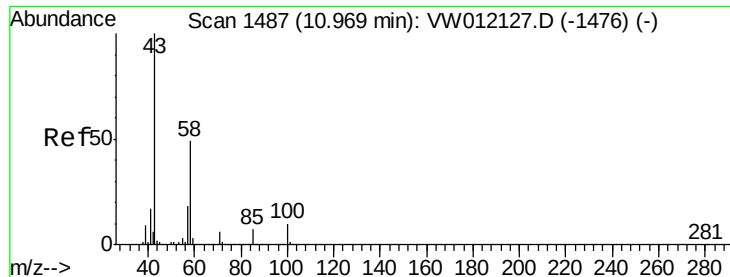
Tot Ion: 76 Resp: 74088
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.424 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW012162.D
 Acq: 26 Aug 2019 10:47

Tgt Ion: 63 Resp: 136100
 Ion Ratio Lower Upper
 63 100
 106 25.1 19.8 29.8

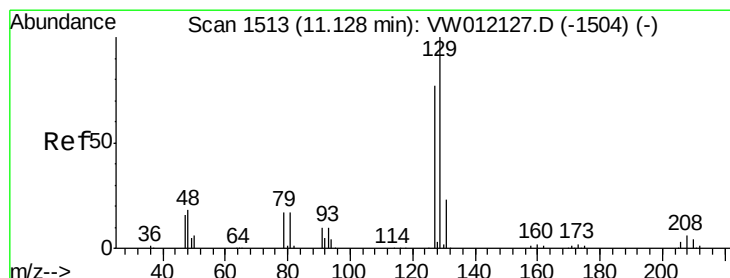
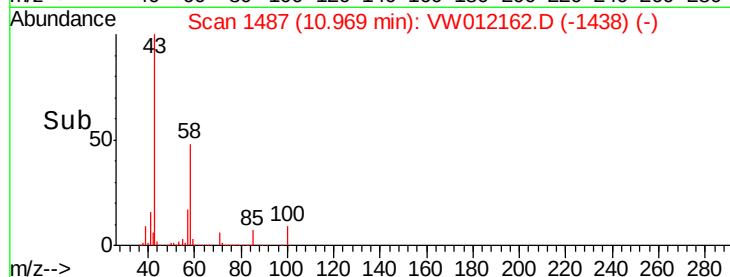
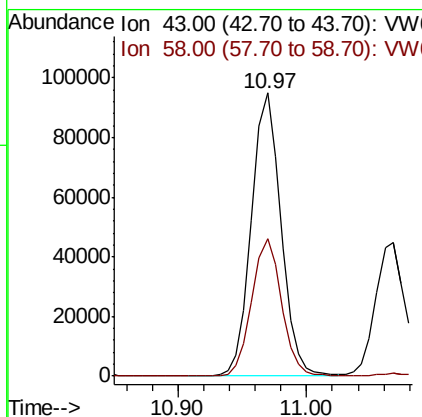
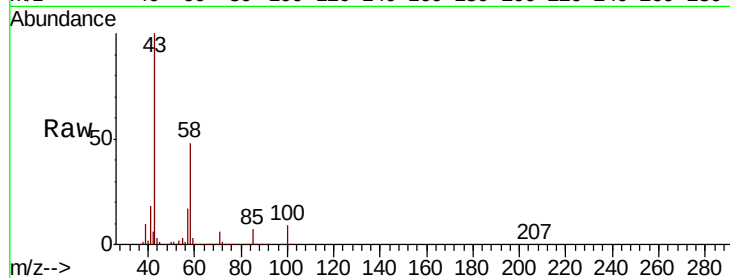




#59
2-Hexanone
Concen: 100.791 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW012162.D
Acq: 26 Aug 2019 10:47

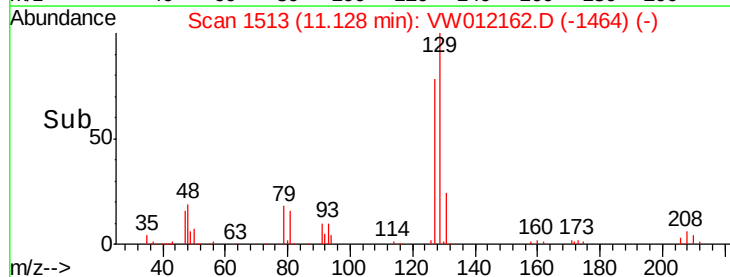
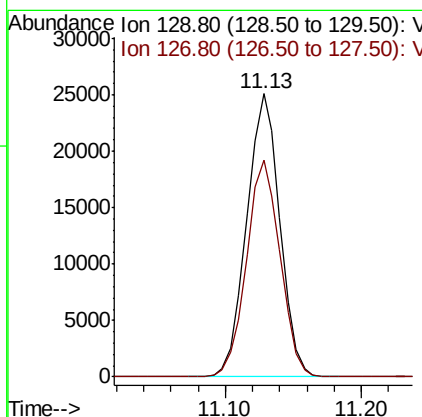
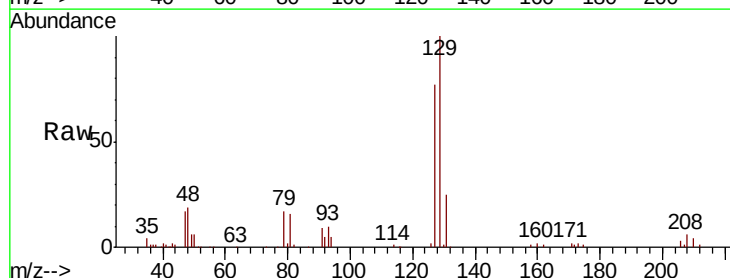
Instrument :
MSVOA_W
ClientSampleId :
VW0826SBSD01

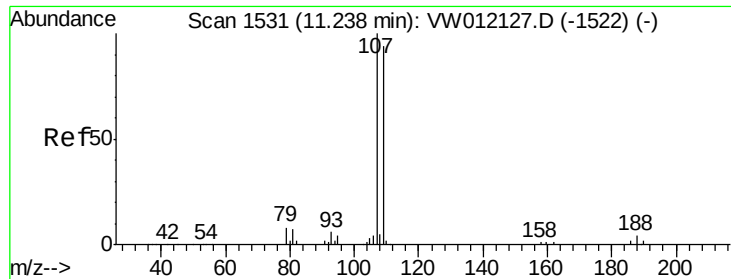
Tot Ion: 43 Resp: 150394
Ion Ratio Lower Upper
43 100
58 49.0 24.3 72.9



#60
Dibromochloromethane
Concen: 20.369 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW012162.D
Acq: 26 Aug 2019 10:47

Tgt Ion: 129 Resp: 42871
Ion Ratio Lower Upper
129 100
127 77.6 38.6 115.8

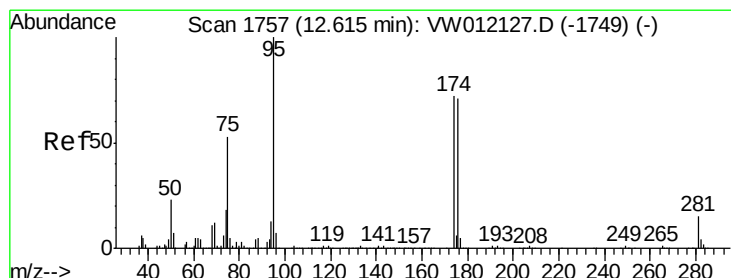
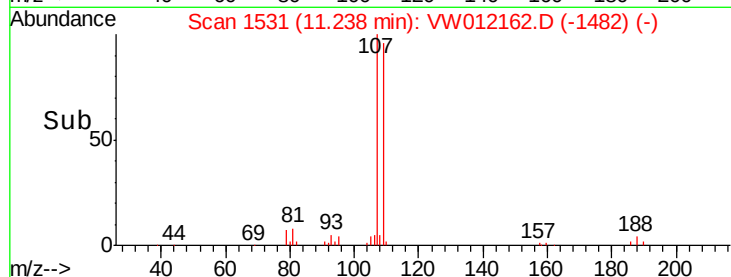
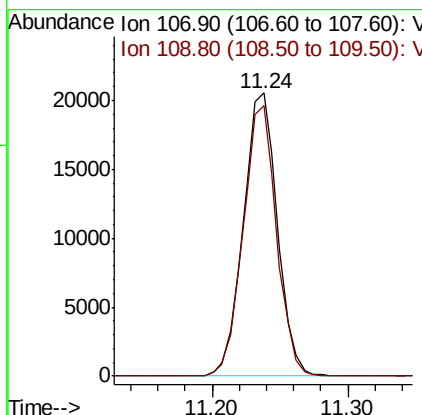
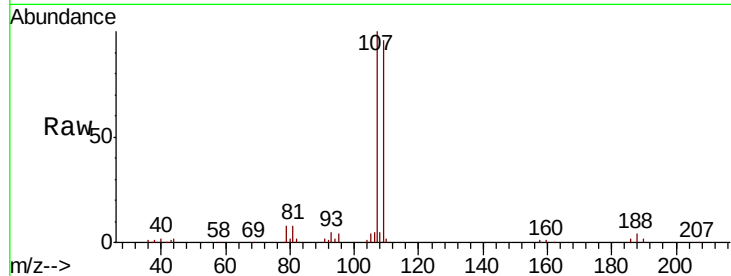




#61
 1,2-Dibromoethane
 Concen: 20.393 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW012162.D
 Acq: 26 Aug 2019 10:47

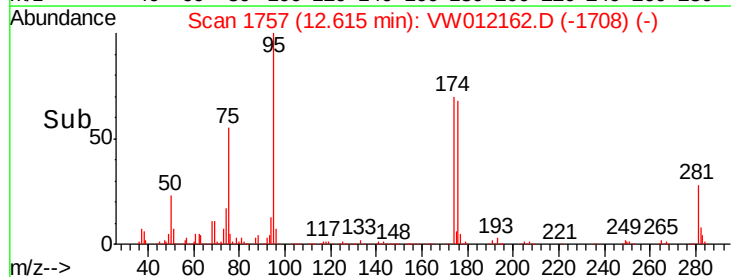
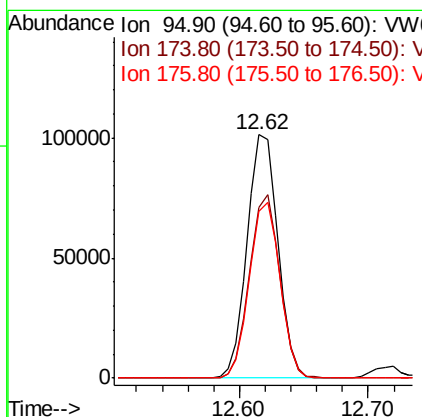
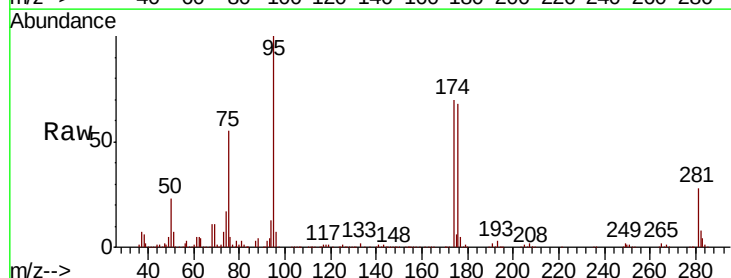
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBSD01

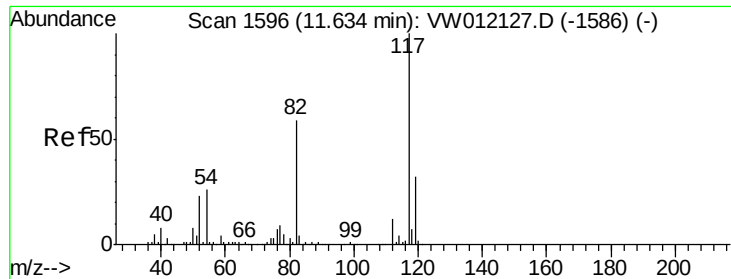
Tot Ion: 107 Resp: 35901
 Ion Ratio Lower Upper
 107 100
 109 93.7 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 49.466 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW012162.D
 Acq: 26 Aug 2019 10:47

Tgt Ion: 95 Resp: 166811
 Ion Ratio Lower Upper
 95 100
 174 74.3 0.0 150.8
 176 71.9 0.0 148.6

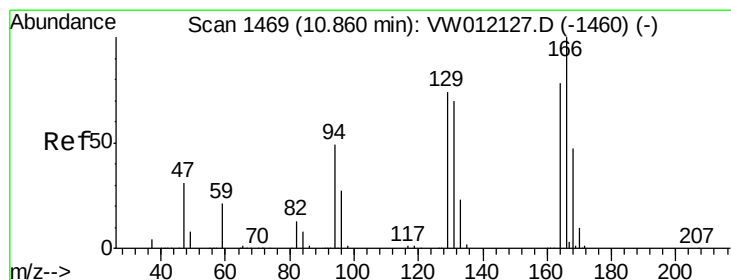
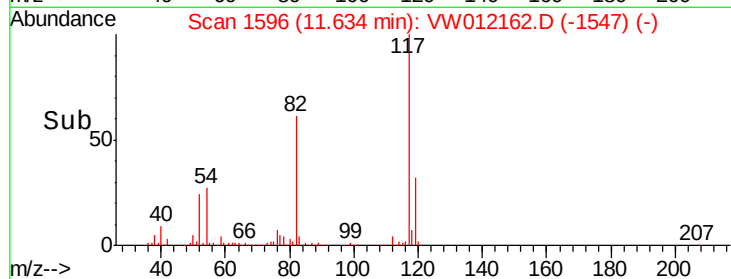
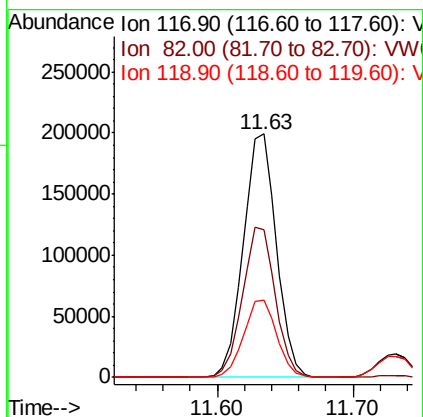
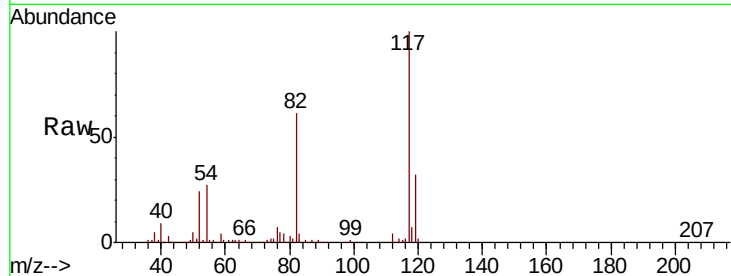




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW012162.D
Acq: 26 Aug 2019 10:47

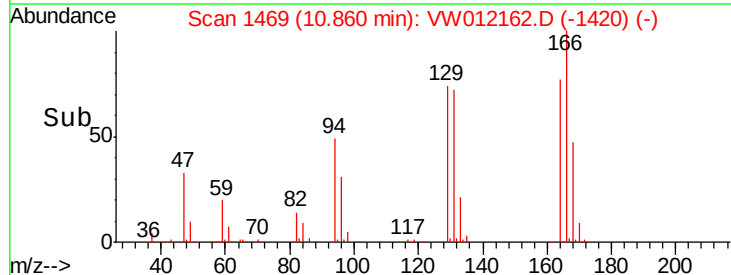
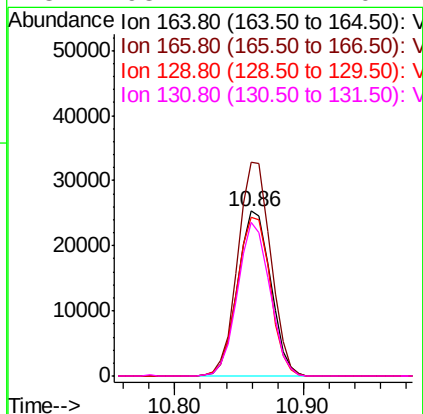
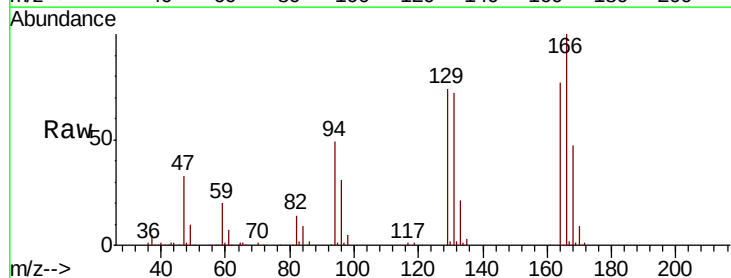
Instrument :
MSVOA_W
ClientSampleId :
VW0826SBSD01

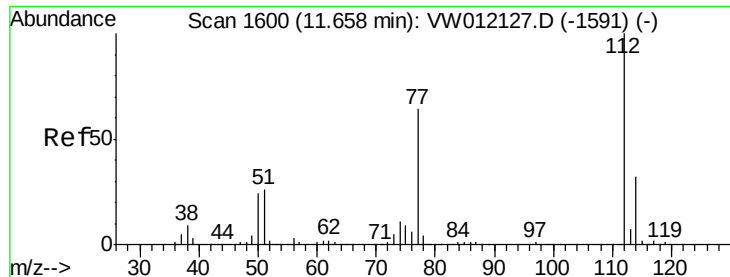
Tot Ion:117 Resp: 338955
Ion Ratio Lower Upper
117 100
82 60.6 47.4 71.2
119 32.0 25.4 38.2



#64
Tetrachloroethene
Concen: 20.481 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW012162.D
Acq: 26 Aug 2019 10:47

Tgt Ion:164 Resp: 45008
Ion Ratio Lower Upper
164 100
166 129.7 102.4 153.6
129 96.3 75.8 113.6
131 93.2 71.4 107.2

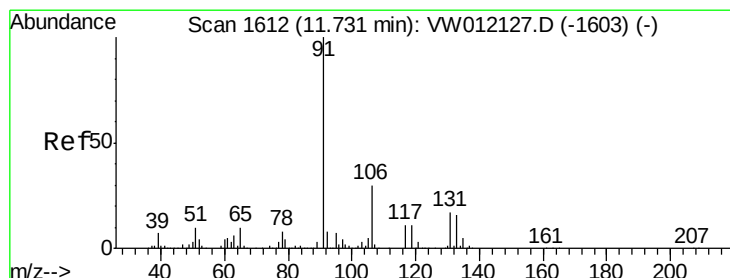
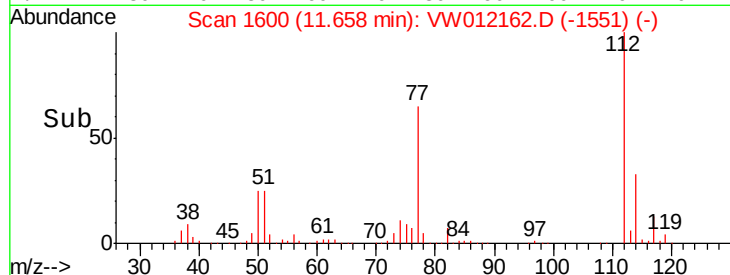
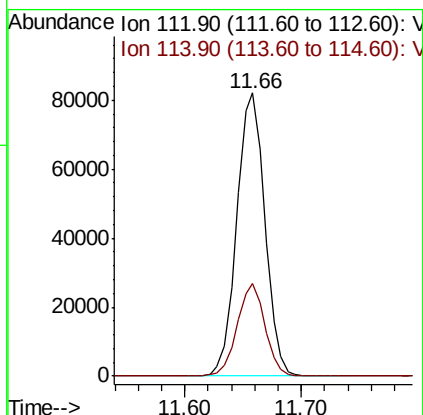
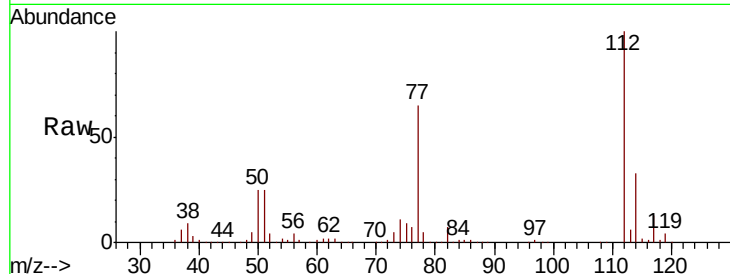




#65
Chlorobenzene
Concen: 20.713 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW012162.D
Acq: 26 Aug 2019 10:47

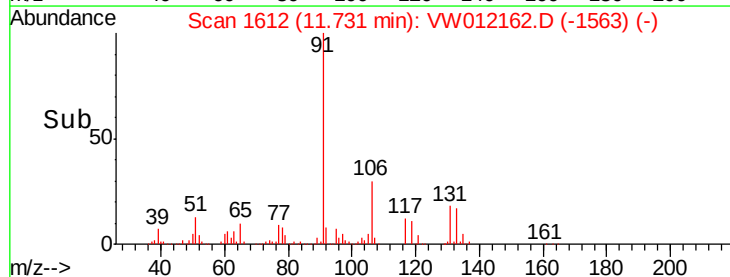
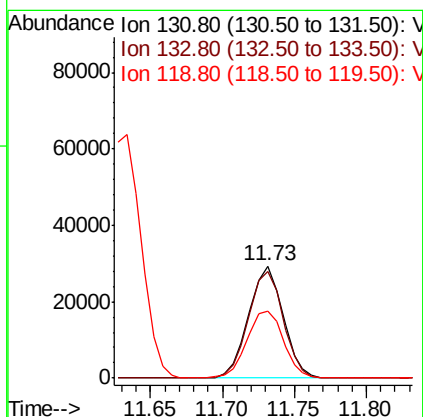
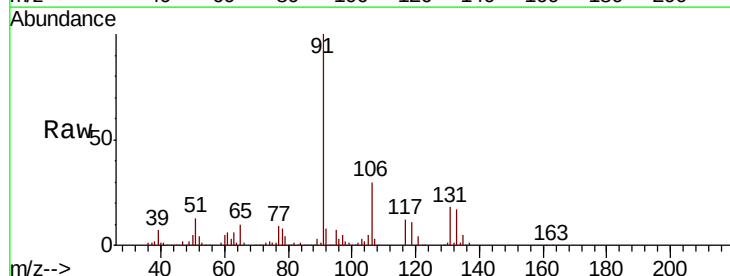
Instrument :
MSVOA_W
ClientSampleId :
VW0826SBSD01

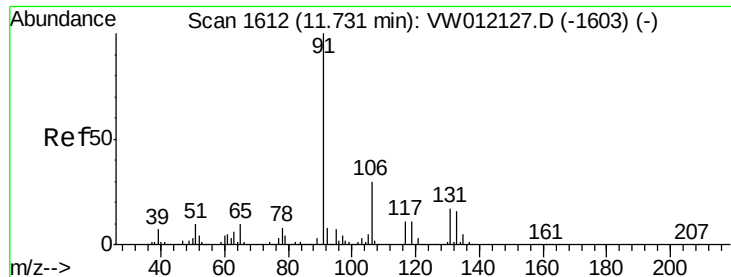
Tot Ion:112 Resp: 138245
Ion Ratio Lower Upper
112 100
114 32.7 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.838 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012162.D
Acq: 26 Aug 2019 10:47

Tgt Ion:131 Resp: 48520
Ion Ratio Lower Upper
131 100
133 96.5 47.1 141.3
119 63.6 31.8 95.3

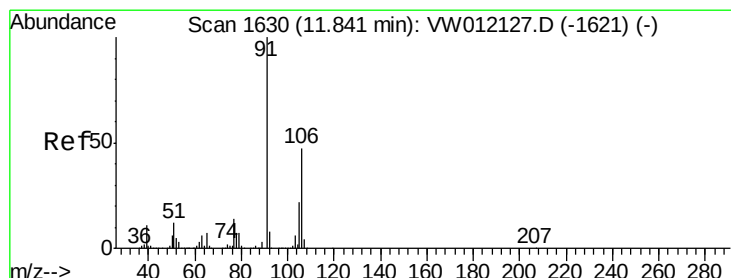
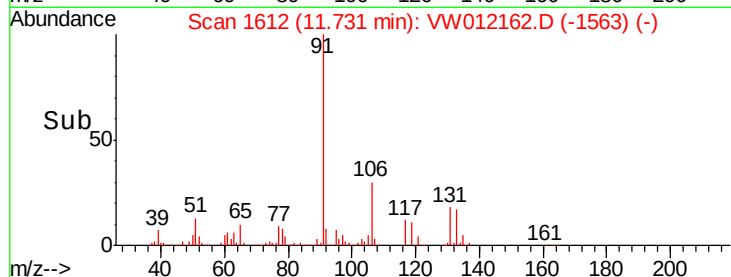
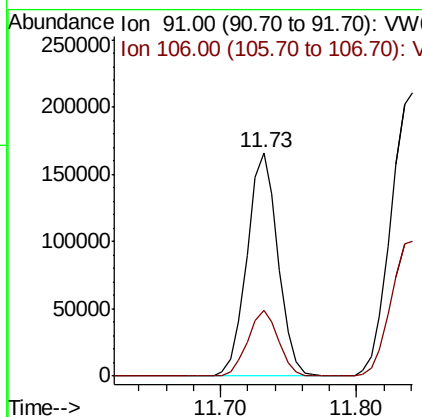
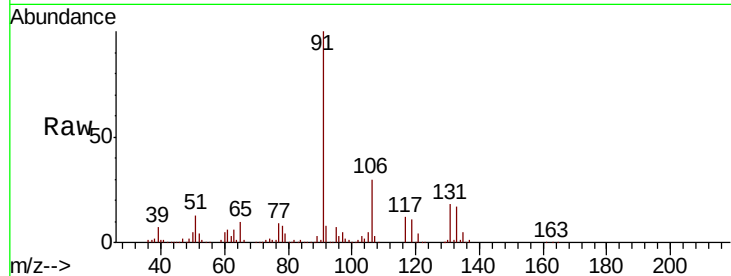




#67
Ethyl Benzene
Concen: 20.532 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012162.D
Acq: 26 Aug 2019 10:47

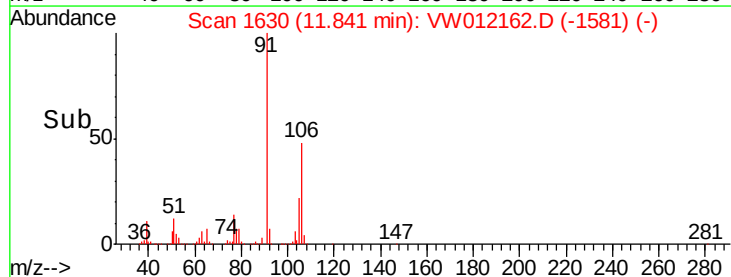
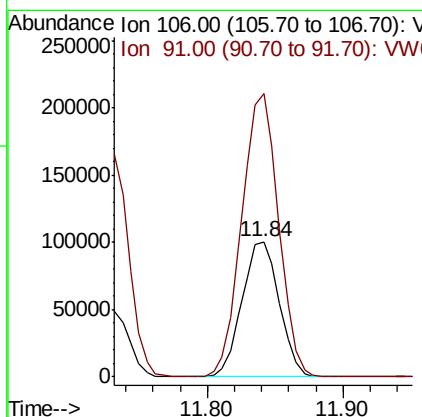
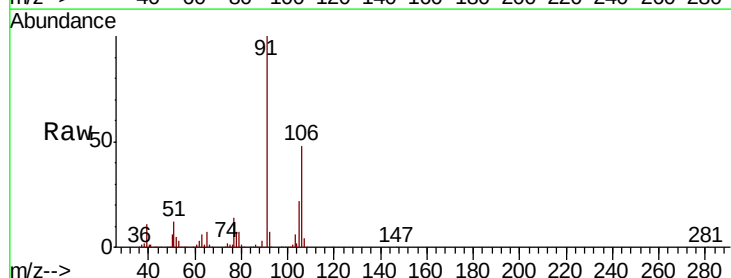
Instrument :
MSVOA_W
ClientSampleId :
VW0826SBSD01

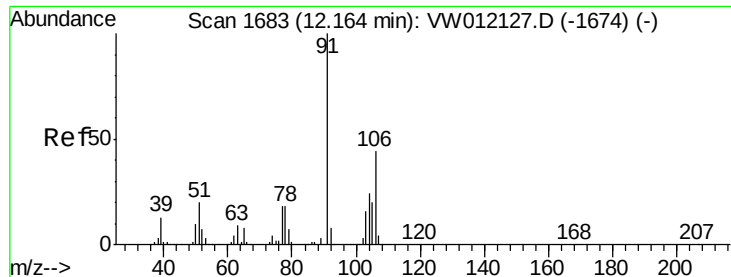
Tot Ion: 91 Resp: 263977
Ion Ratio Lower Upper
91 100
106 29.7 24.3 36.5



#68
m/p-Xylenes
Concen: 41.487 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW012162.D
Acq: 26 Aug 2019 10:47

Tgt Ion: 106 Resp: 192135
Ion Ratio Lower Upper
106 100
91 207.3 169.5 254.3

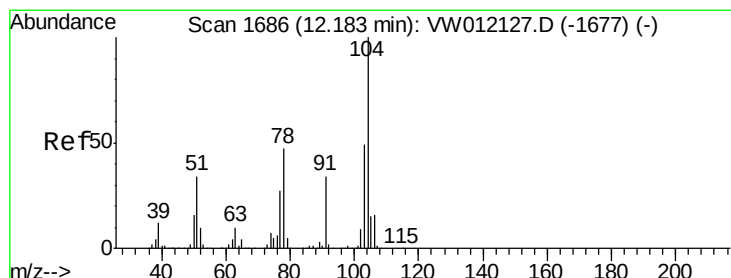
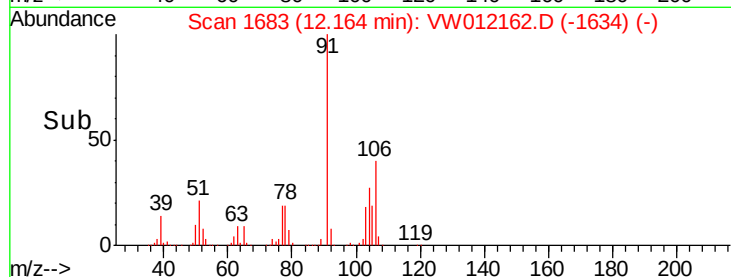
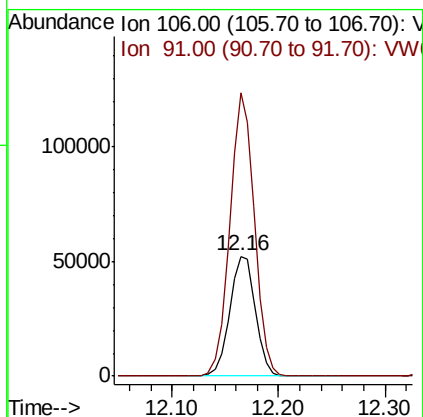
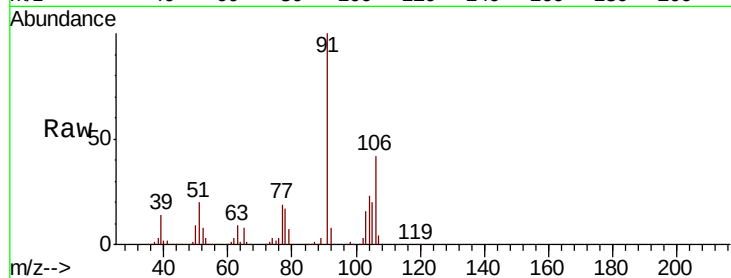




#69
o-Xylene
Concen: 20.482 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW012162.D
Acq: 26 Aug 2019 10:47

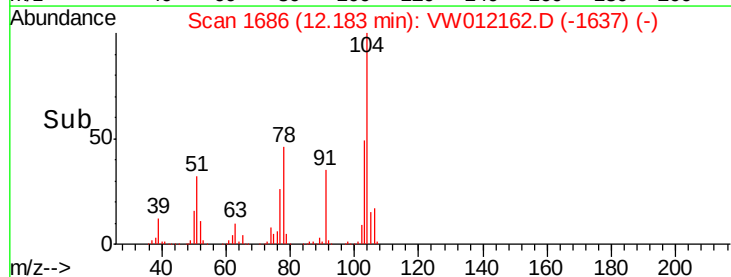
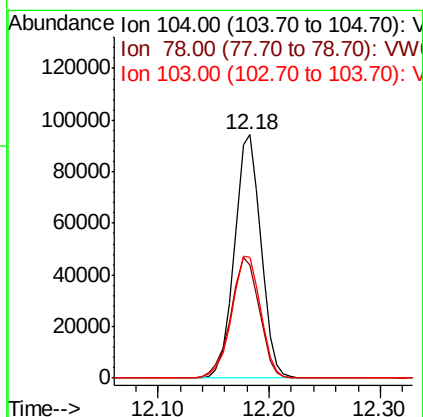
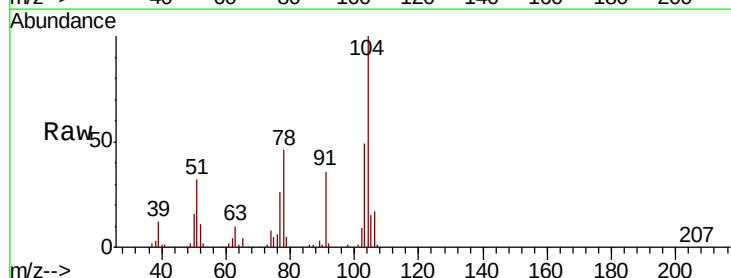
Instrument :
MSVOA_W
ClientSampleID :
VW0826SBSD01

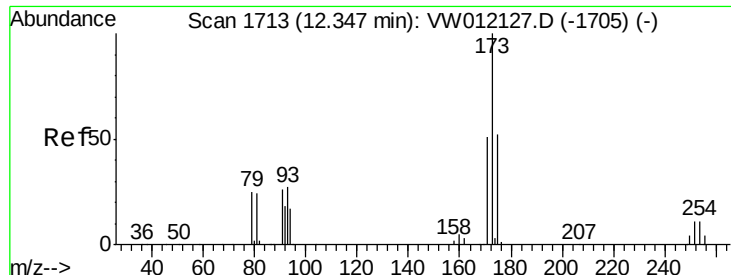
Tot Ion:106 Resp: 87791
Ion Ratio Lower Upper
106 100
91 226.7 111.6 334.6



#70
Styrene
Concen: 20.855 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW012162.D
Acq: 26 Aug 2019 10:47

Tgt Ion:104 Resp: 154728
Ion Ratio Lower Upper
104 100
78 54.0 43.1 64.7
103 54.8 43.5 65.3

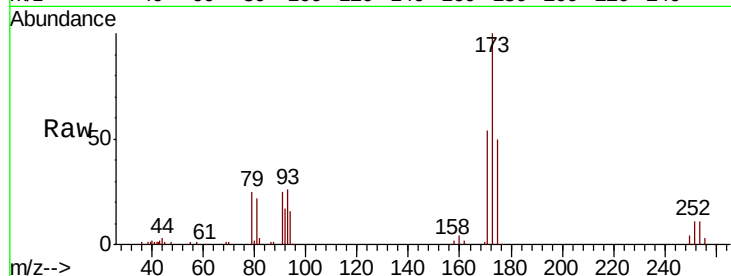




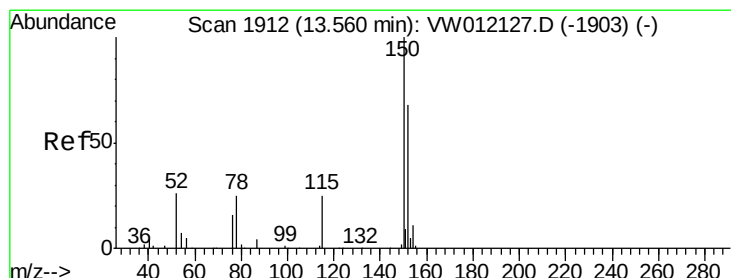
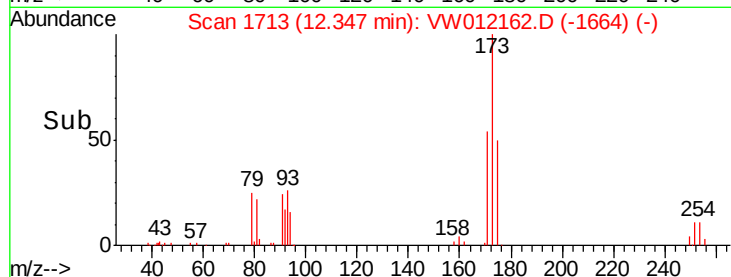
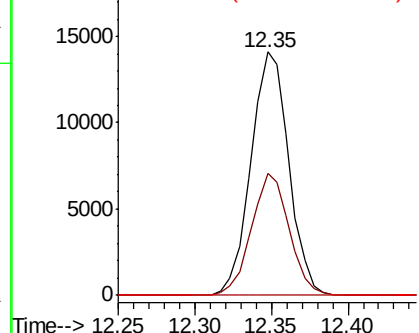
#71
Bromoform
Concen: 20.912 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW012162.D
Acq: 26 Aug 2019 10:47

Instrument :
MSVOA_W
ClientSampleId :
VW0826SBSD01

Tot Ion:173 Resp: 24260
Ion Ratio Lower Upper
173 100
175 49.8 24.6 74.0
254 0.0 0.2 0.2#

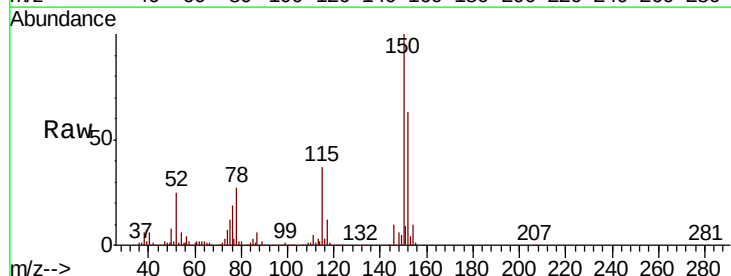


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

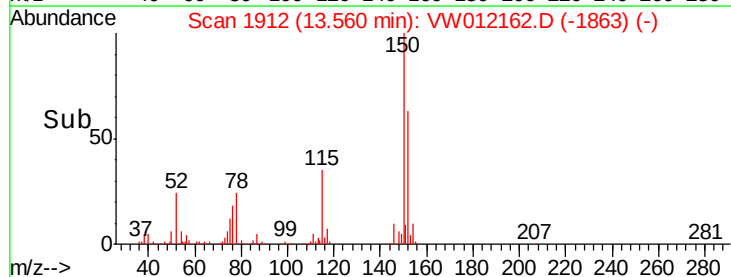
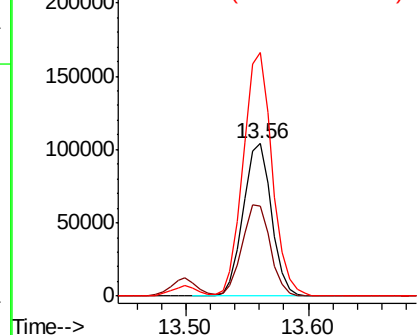


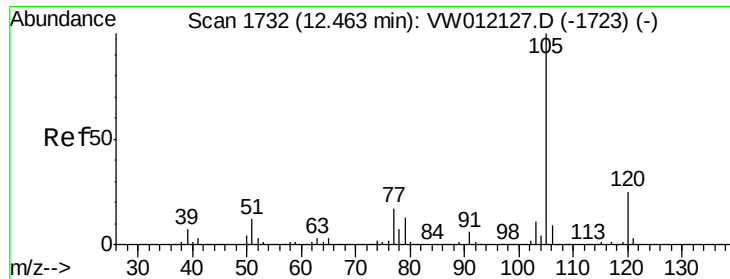
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW012162.D
Acq: 26 Aug 2019 10:47

Tgt Ion:152 Resp: 165604
Ion Ratio Lower Upper
152 100
115 60.0 30.1 90.3
150 164.4 0.0 345.8



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





#73

Isopropylbenzene

Concen: 20.238 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW012162.D

Acq: 26 Aug 2019 10:47

Instrument :

MSVOA_W

ClientSampleId :

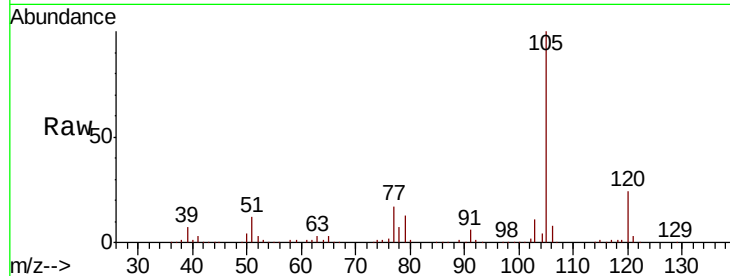
VW0826SBSD01

Tot Ion:105 Resp: 251136

Ion Ratio Lower Upper

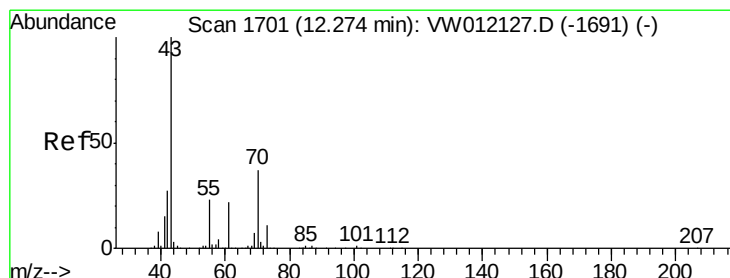
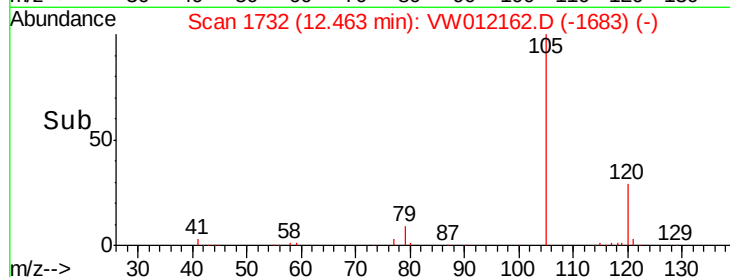
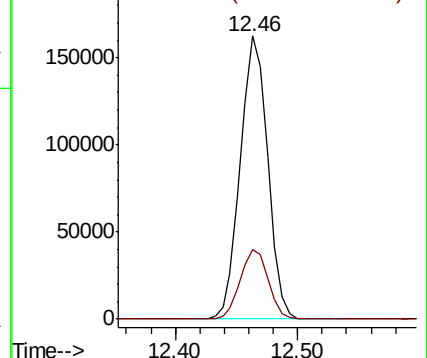
105 100

120 25.2 12.5 37.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.195 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW012162.D

Acq: 26 Aug 2019 10:47

Tgt Ion: 43 Resp: 75712

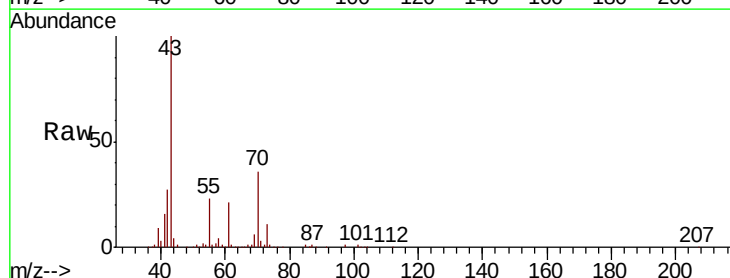
Ion Ratio Lower Upper

43 100

70 34.6 28.6 43.0

55 23.8 17.8 26.6

61 21.1 17.3 25.9

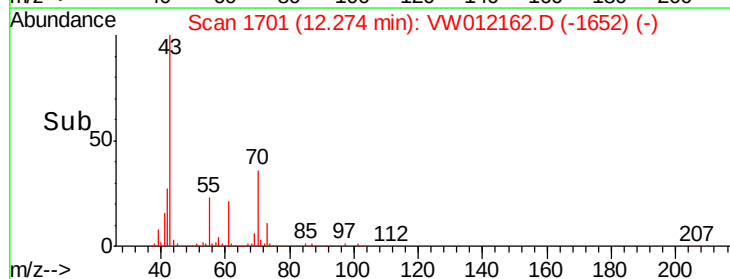
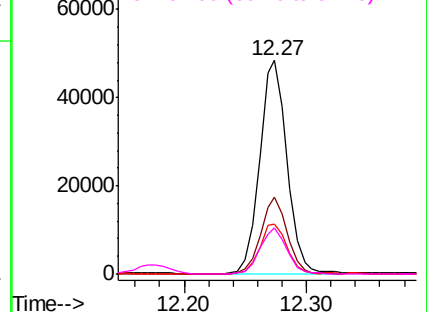


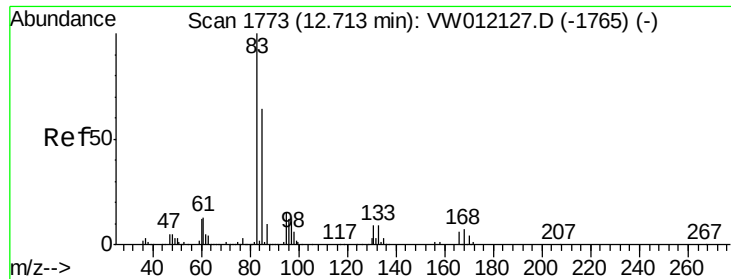
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 20.793 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW012162.D

Acq: 26 Aug 2019 10:47

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBSD01

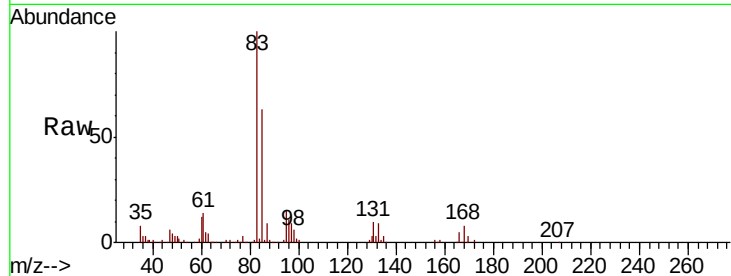
Tot Ion: 83 Resp: 47302

Ion Ratio Lower Upper

83 100

131 9.8 4.9 14.7

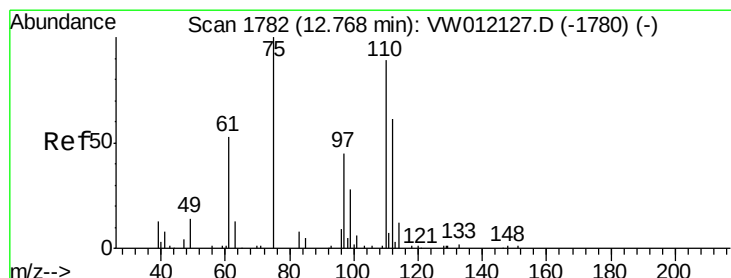
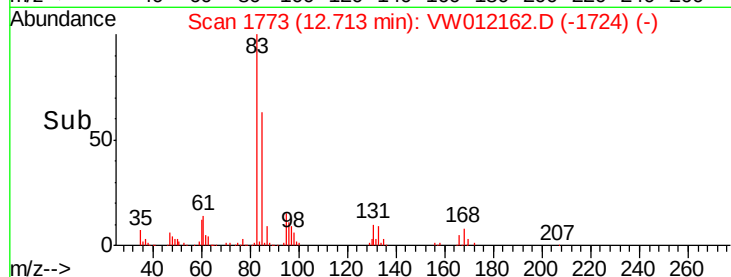
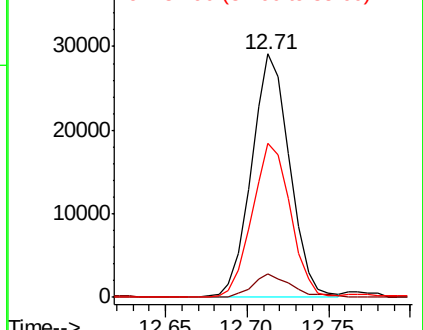
85 63.7 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 38.474 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW012162.D

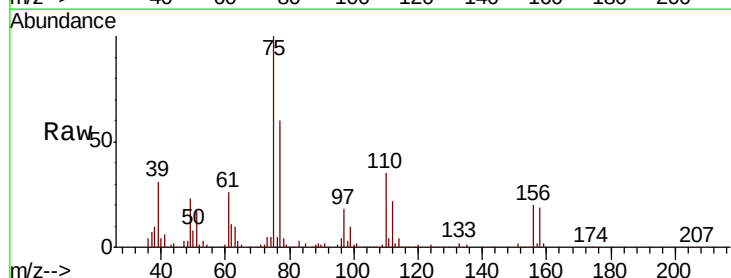
Acq: 26 Aug 2019 10:47

Tgt Ion: 75 Resp: 62053

Ion Ratio Lower Upper

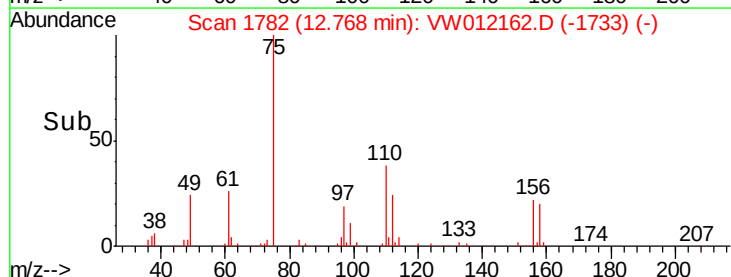
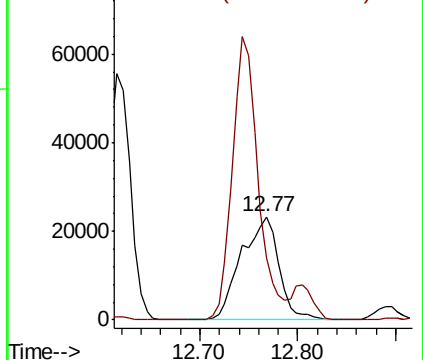
75 100

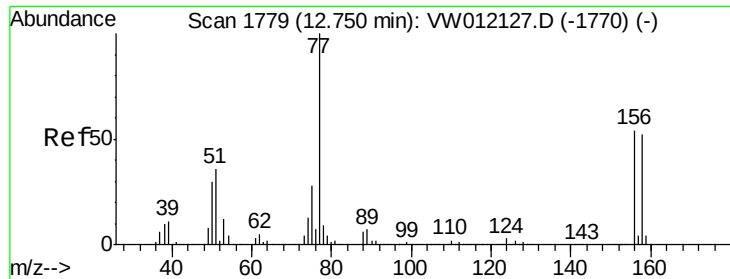
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.236 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012162.D

Acq: 26 Aug 2019 10:47

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBSD01

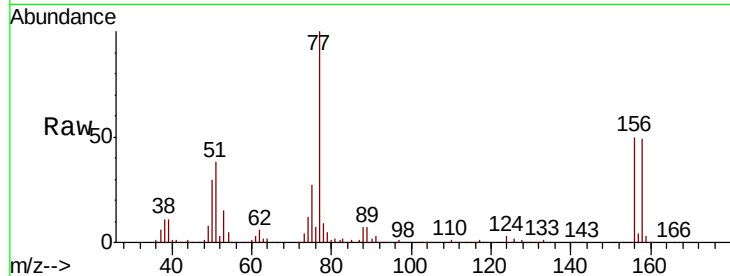
Tot Ion:156 Resp: 54325

Ion Ratio Lower Upper

156 100

77 215.4 107.3 321.8

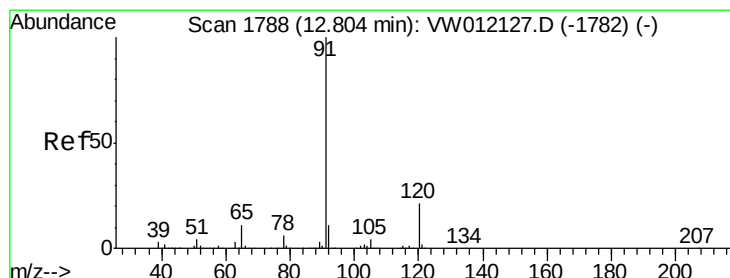
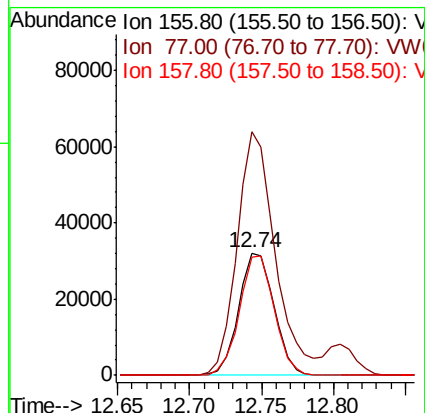
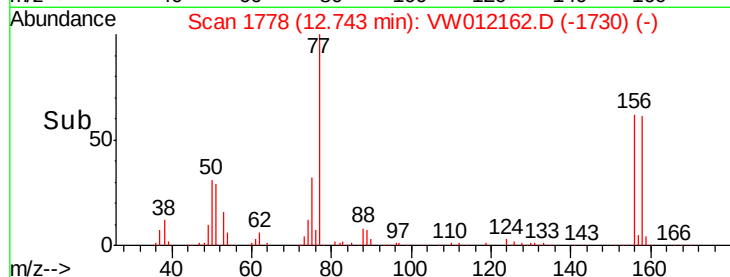
158 96.8 49.0 147.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.259 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW012162.D

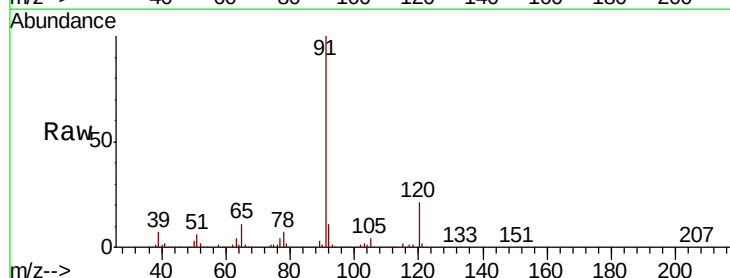
Acq: 26 Aug 2019 10:47

Tgt Ion: 91 Resp: 306893

Ion Ratio Lower Upper

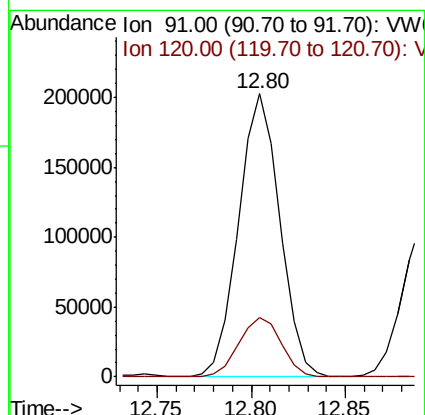
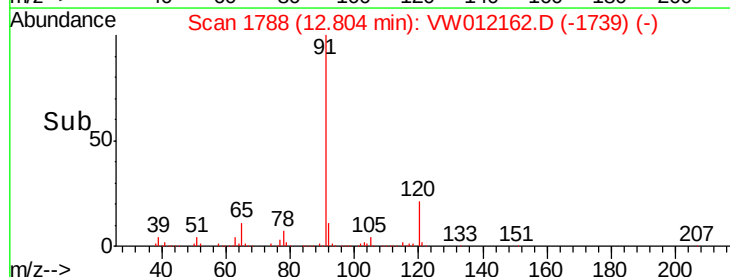
91 100

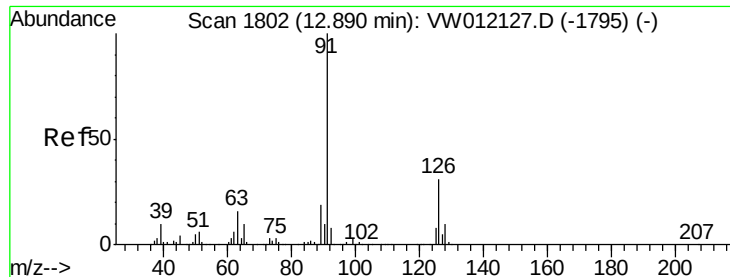
120 21.8 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

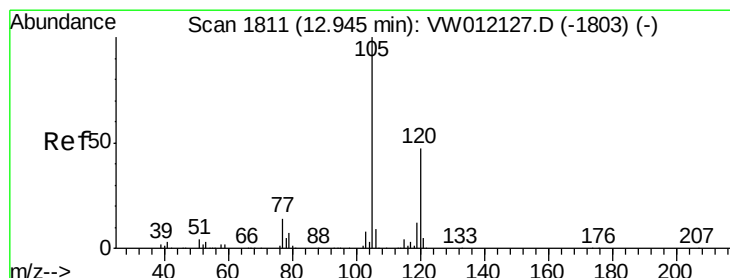
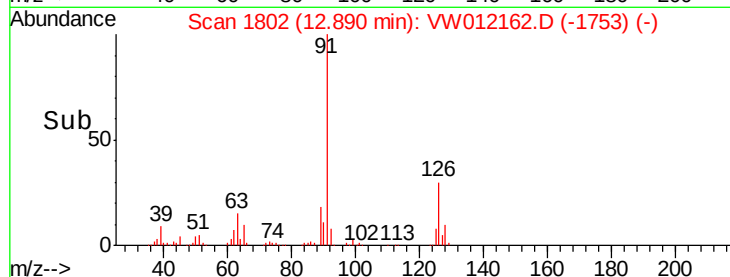
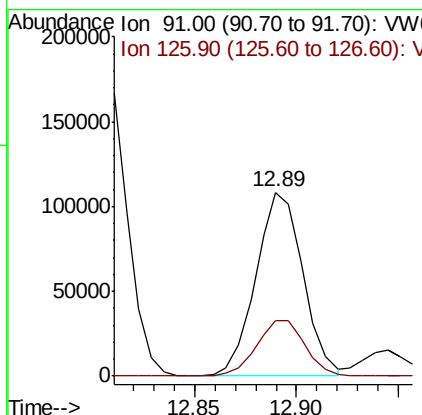
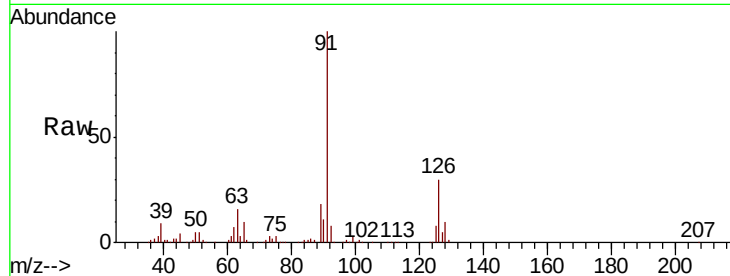




#79
 2-Chlorotoluene
 Concen: 20.184 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VW012162.D
 Acq: 26 Aug 2019 10:47

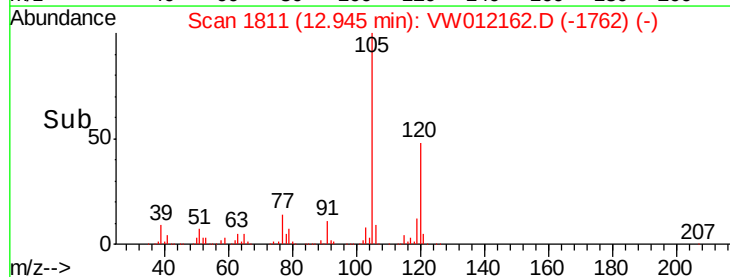
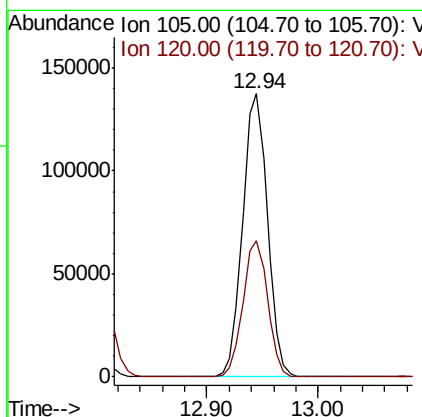
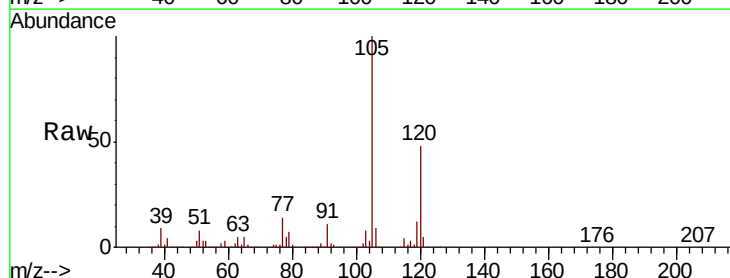
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBSD01

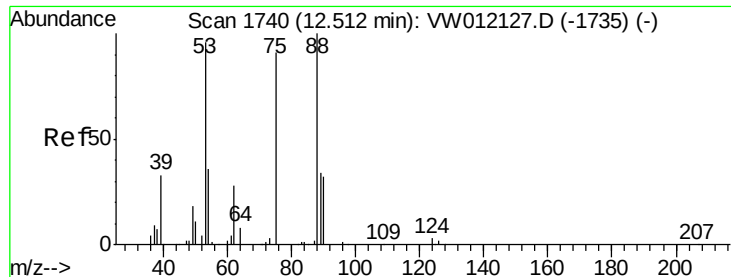
Tot Ion: 91 Resp: 173597
 Ion Ratio Lower Upper
 91 100
 126 31.5 15.7 47.0



#80
 1,3,5-Trimethylbenzene
 Concen: 20.474 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW012162.D
 Acq: 26 Aug 2019 10:47

Tgt Ion:105 Resp: 212296
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.136 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW012162.D

Acq: 26 Aug 2019 10:47

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBSD01

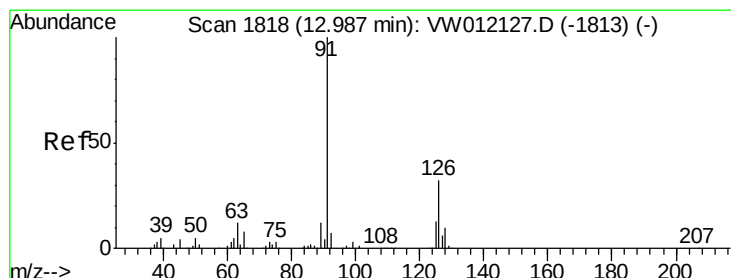
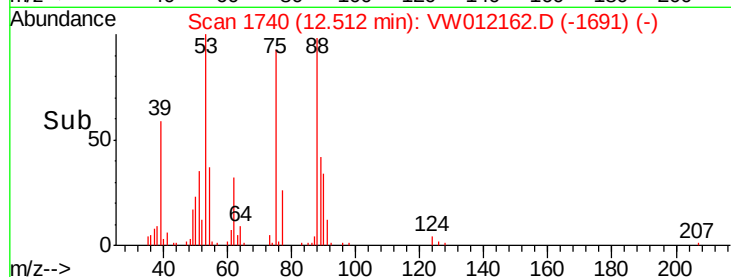
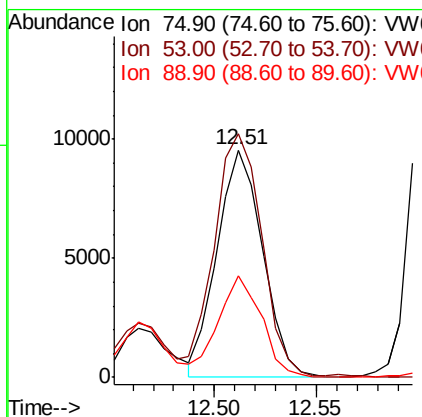
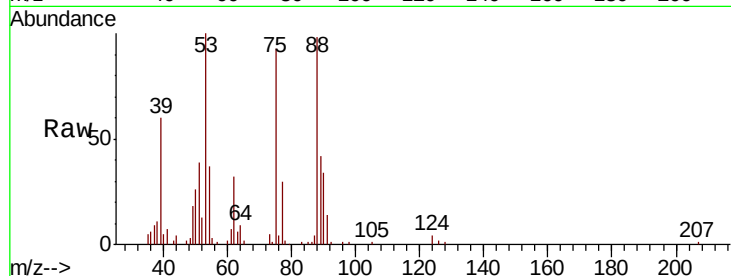
Tot Ion: 75 Resp: 14812

Ion Ratio Lower Upper

75 100

53 113.5 89.4 134.0

89 42.4 34.5 51.7



#82

4-Chlorotoluene

Concen: 20.465 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW012162.D

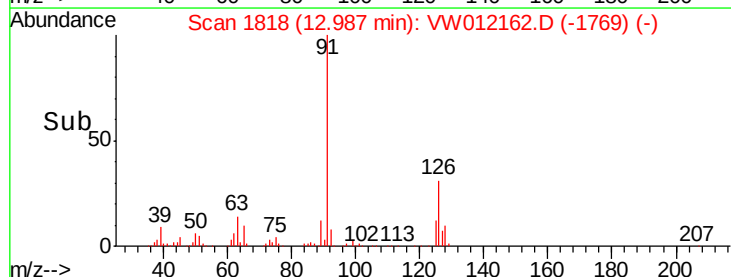
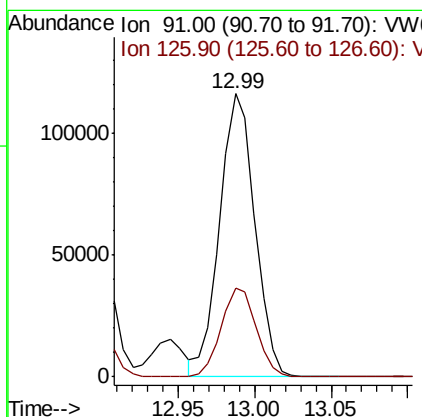
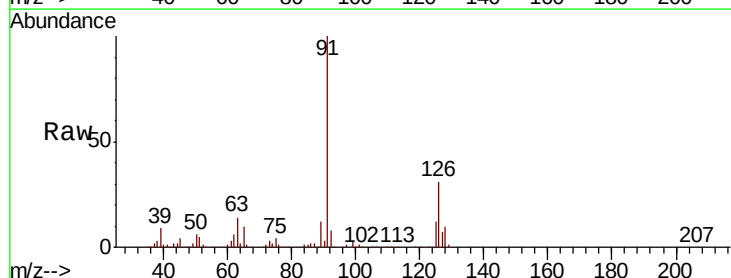
Acq: 26 Aug 2019 10:47

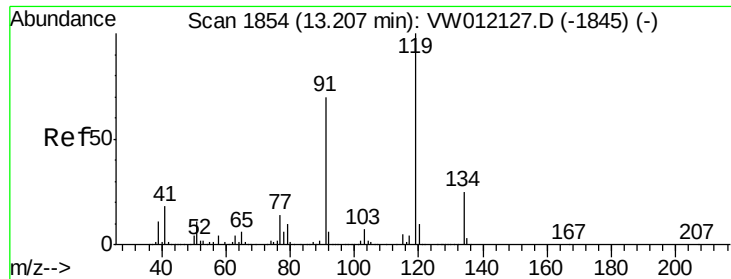
Tgt Ion: 91 Resp: 184299

Ion Ratio Lower Upper

91 100

126 31.5 15.6 46.8

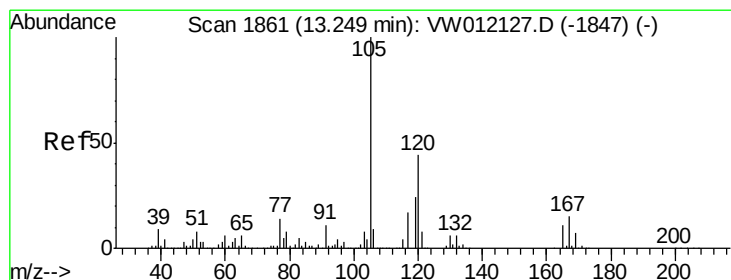
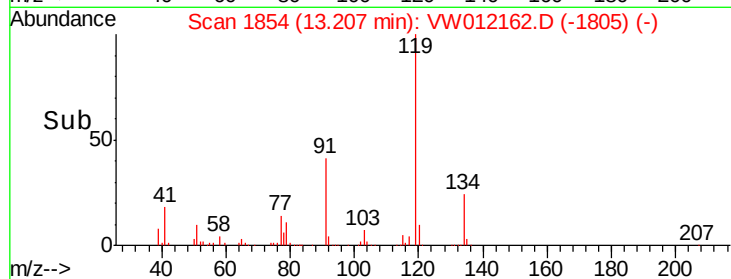
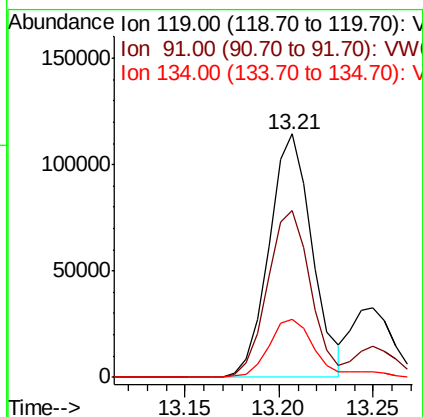
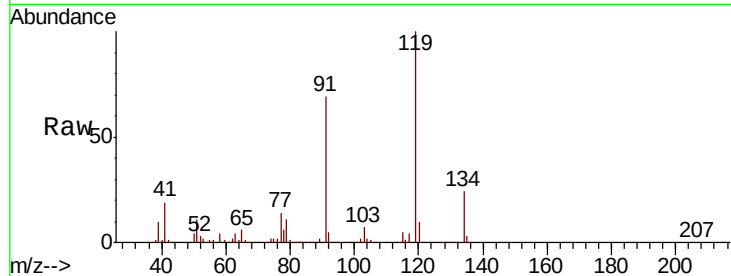




#83
 tert-Butylbenzene
 Concen: 20.582 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW012162.D
 Acq: 26 Aug 2019 10:47

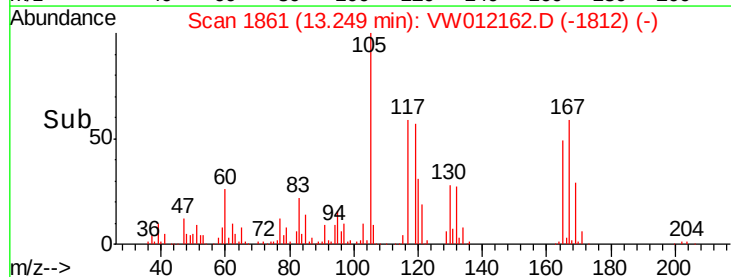
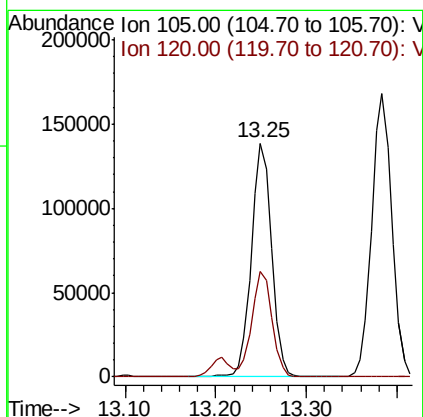
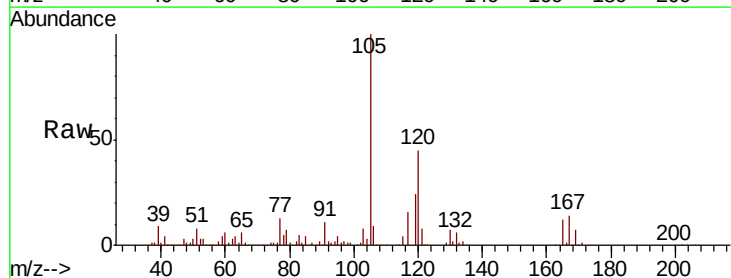
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBSD01

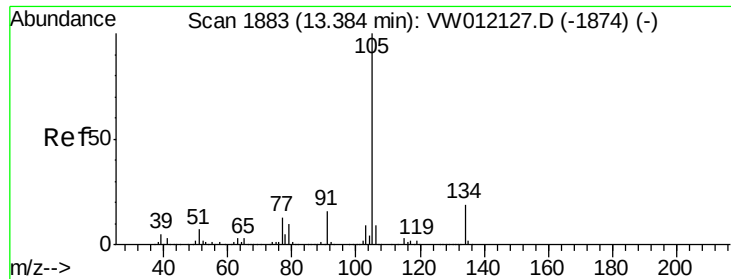
Tot Ion:119 Resp: 180778
 Ion Ratio Lower Upper
 119 100
 91 69.0 34.8 104.3
 134 24.8 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 20.585 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW012162.D
 Acq: 26 Aug 2019 10:47

Tgt Ion:105 Resp: 214406
 Ion Ratio Lower Upper
 105 100
 120 44.3 21.9 65.7





#85

sec-Butylbenzene

Concen: 20.537 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW012162.D

Acq: 26 Aug 2019 10:47

Instrument :

MSVOA_W

ClientSampleId :

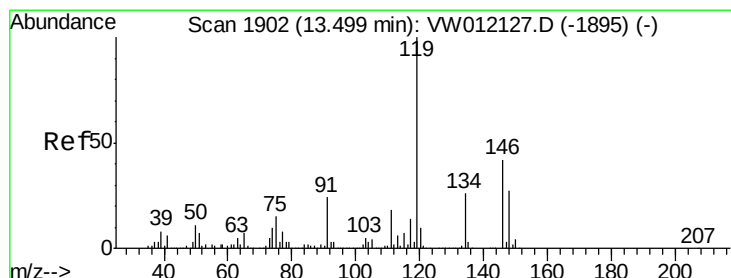
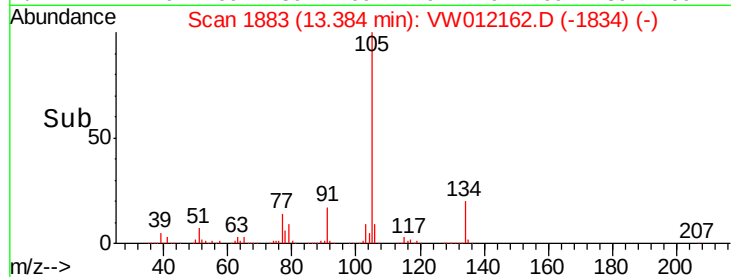
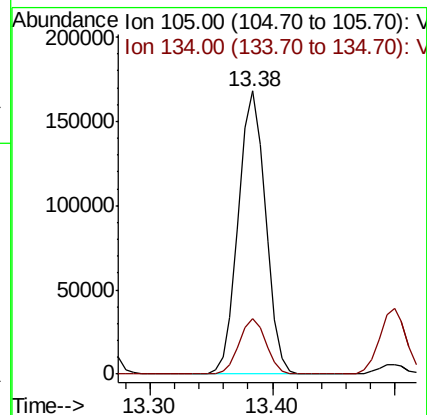
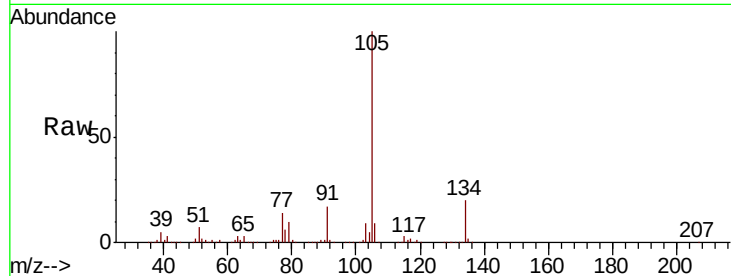
VW0826SBSD01

Tot Ion:105 Resp: 258425

Ion Ratio Lower Upper

105 100

134 19.5 9.8 29.4



#86

p-Isopropyltoluene

Concen: 20.538 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW012162.D

Acq: 26 Aug 2019 10:47

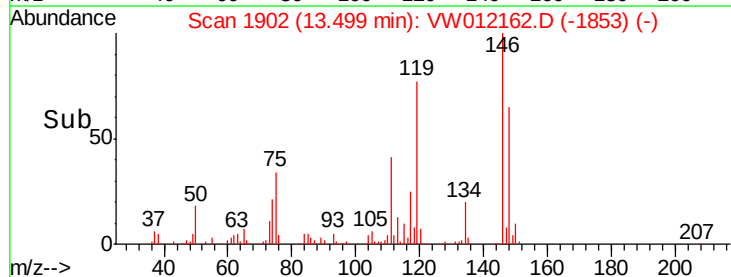
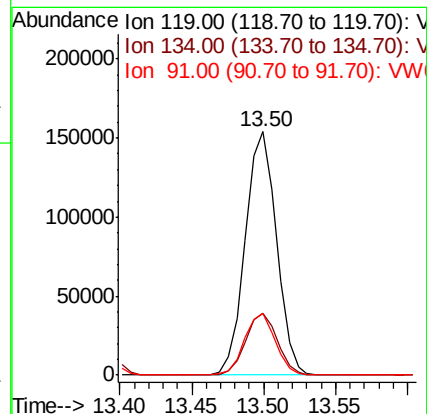
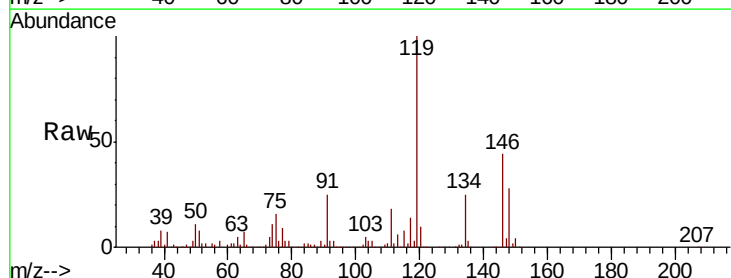
Tgt Ion:119 Resp: 230804

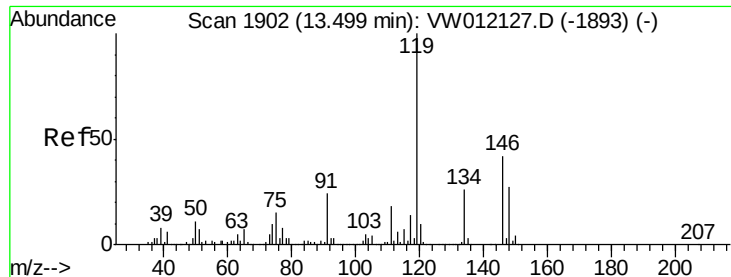
Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.3

91 24.9 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 20.693 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW012162.D

Acq: 26 Aug 2019 10:47

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBSD01

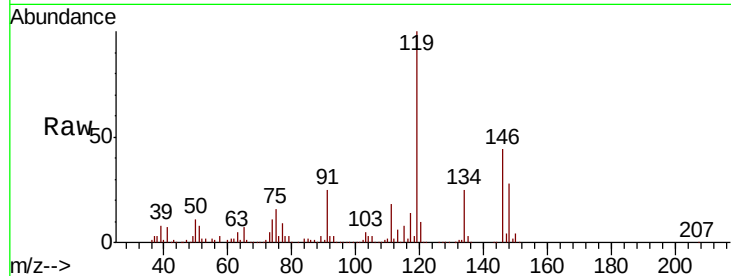
Tot Ion:146 Resp: 108657

Ion Ratio Lower Upper

146 100

111 40.9 20.9 62.7

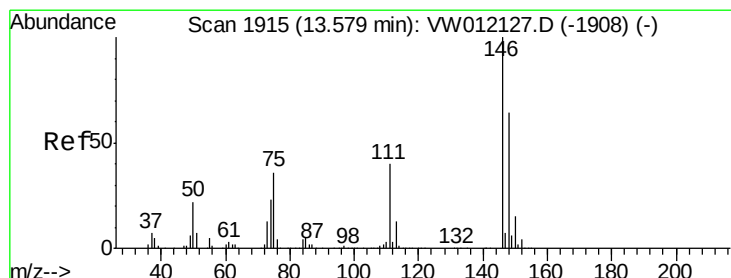
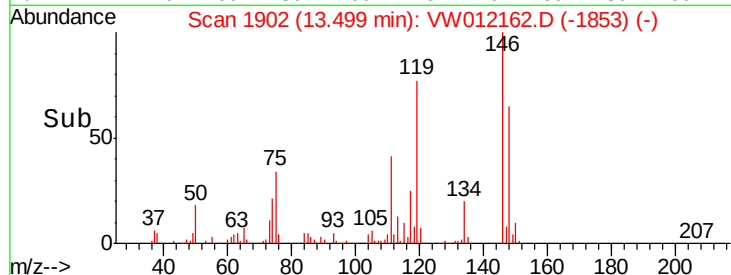
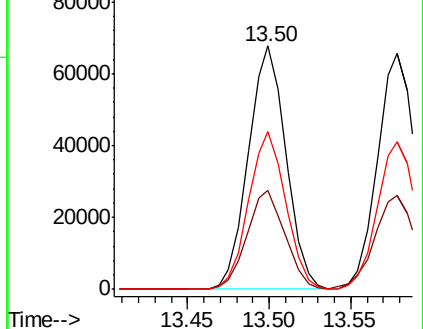
148 63.8 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.485 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW012162.D

Acq: 26 Aug 2019 10:47

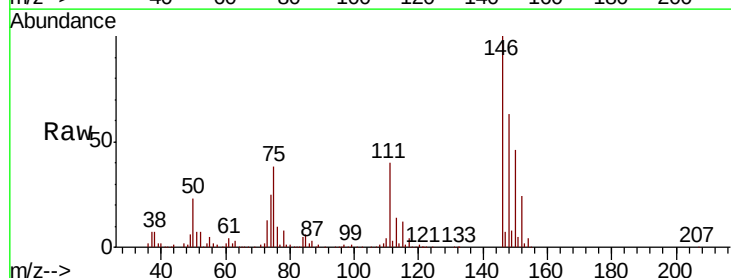
Tgt Ion:146 Resp: 106803

Ion Ratio Lower Upper

146 100

111 42.0 20.0 60.0

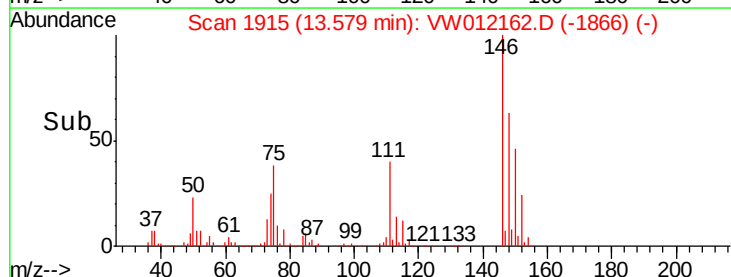
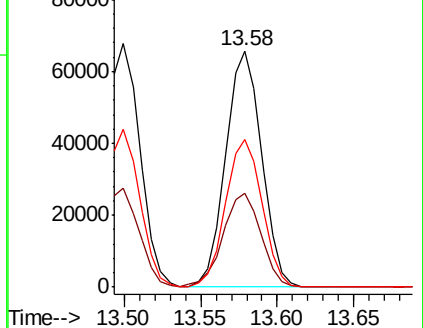
148 63.6 32.1 96.3

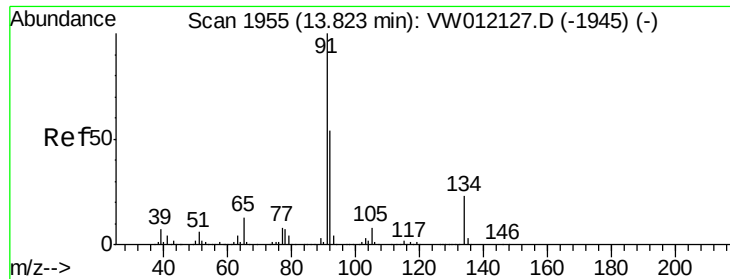


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 20.674 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW012162.D

Acq: 26 Aug 2019 10:47

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBSD01

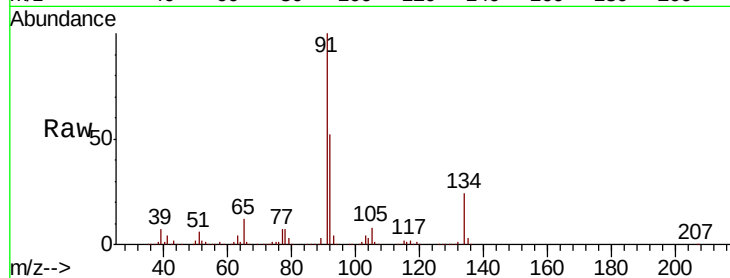
Tot Ion: 91 Resp: 231037

Ion Ratio Lower Upper

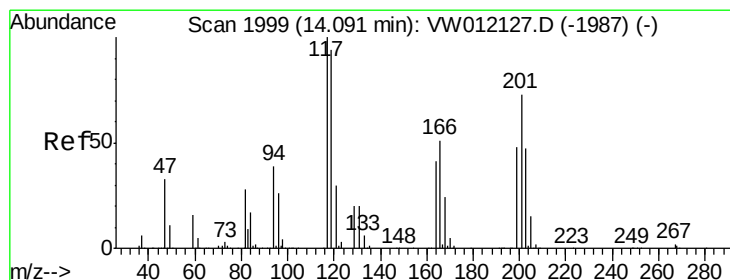
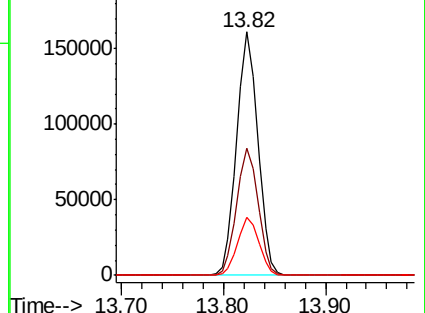
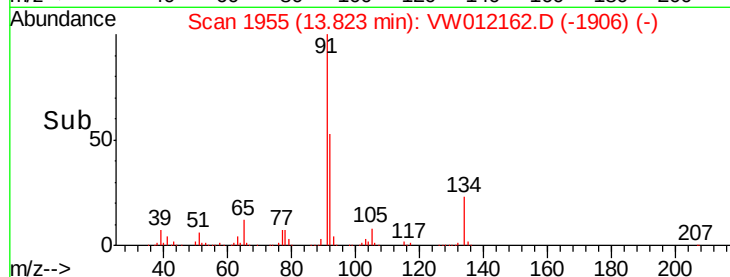
91 100

92 53.1 27.1 81.2

134 23.9 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 20.744 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW012162.D

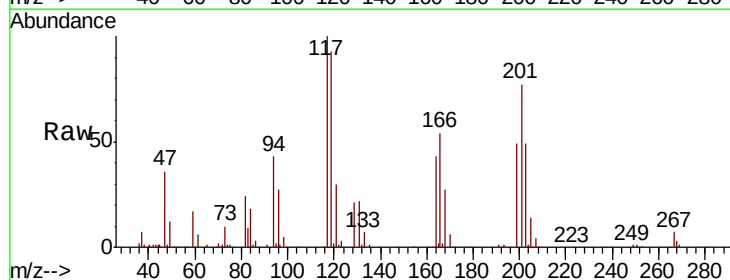
Acq: 26 Aug 2019 10:47

Tgt Ion: 117 Resp: 40900

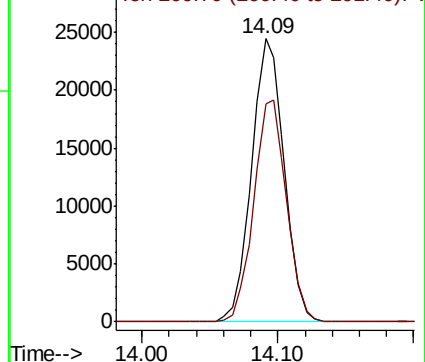
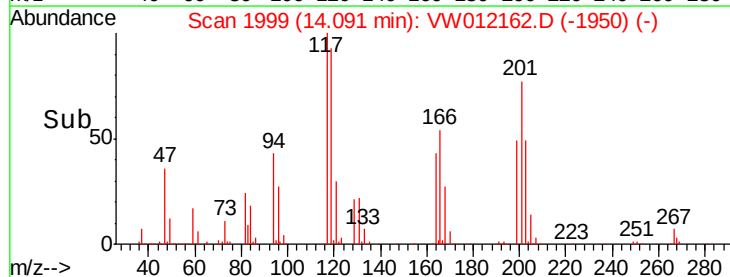
Ion Ratio Lower Upper

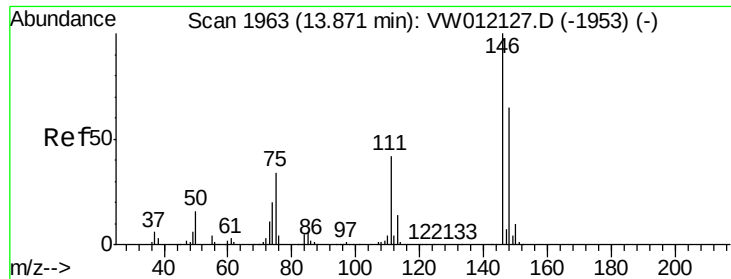
117 100

201 78.9 38.6 115.7



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

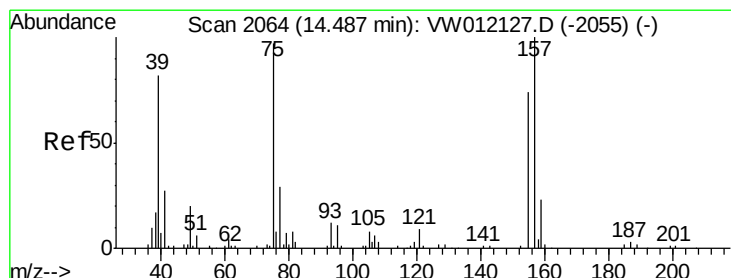
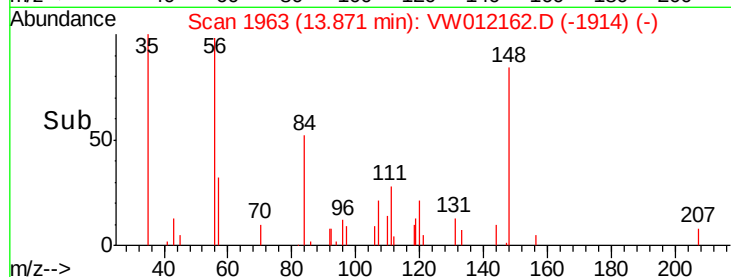
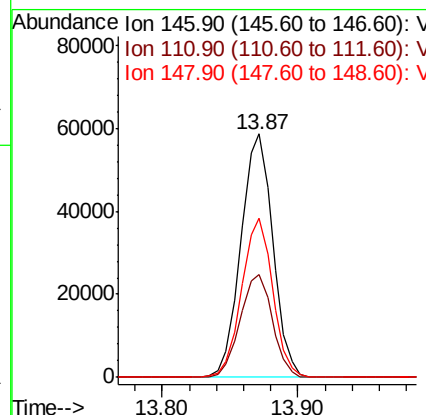
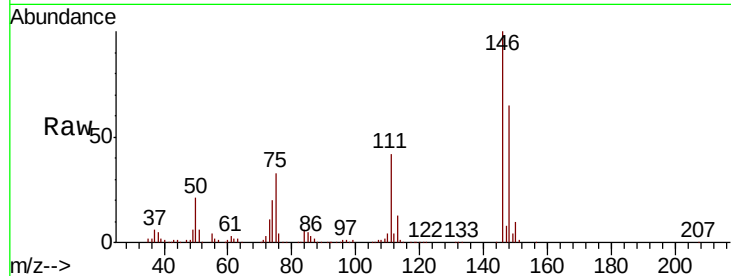




#91
 1,2-Dichlorobenzene
 Concen: 20.858 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW012162.D
 Acq: 26 Aug 2019 10:47

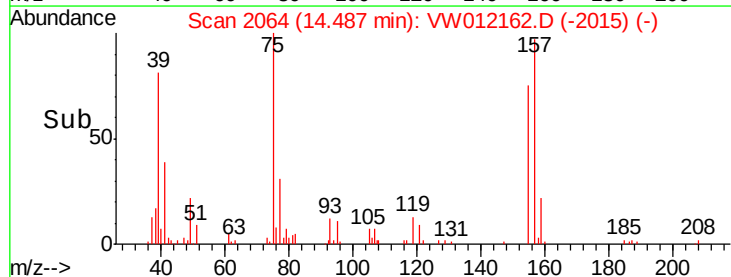
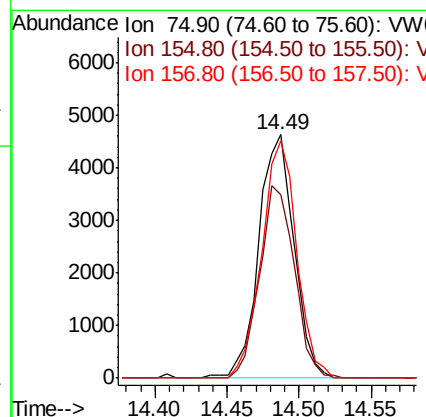
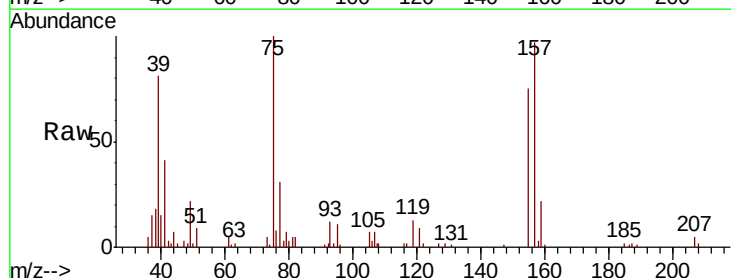
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBSD01

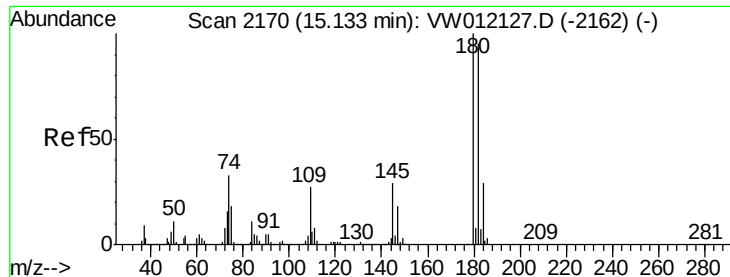
Tot Ion:146 Resp: 96079
 Ion Ratio Lower Upper
 146 100
 111 42.8 21.2 63.6
 148 63.5 32.5 97.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.364 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW012162.D
 Acq: 26 Aug 2019 10:47

Tgt Ion: 75 Resp: 7810
 Ion Ratio Lower Upper
 75 100
 155 77.9 37.5 112.3
 157 96.7 50.5 151.5

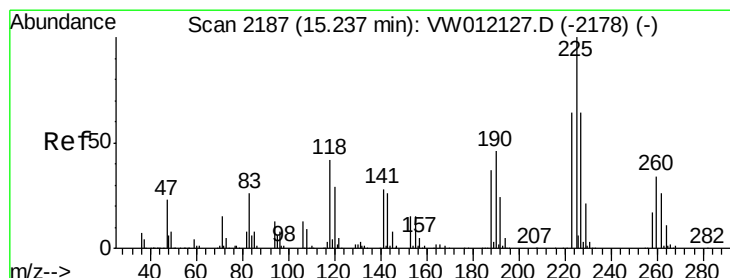
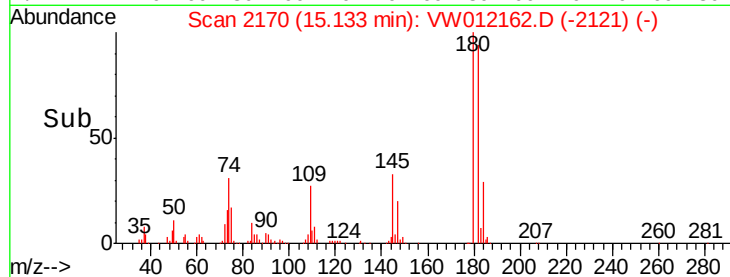
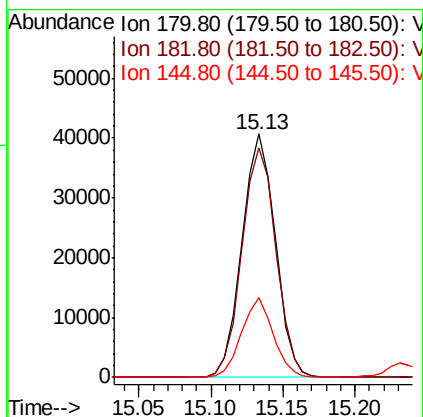
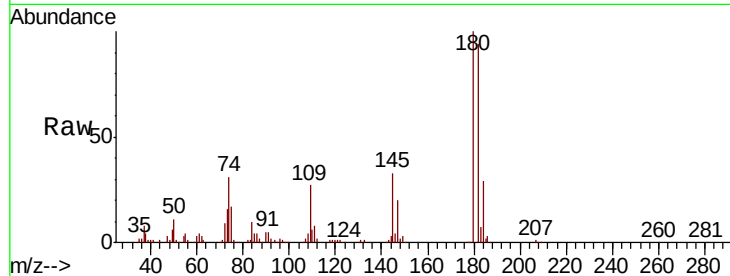




#93
 1,2,4-Trichlorobenzene
 Concen: 20.534 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW012162.D
 Acq: 26 Aug 2019 10:47

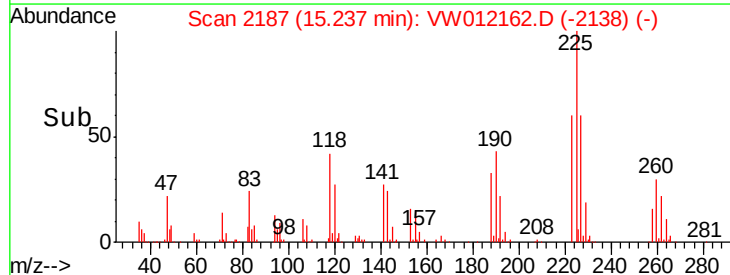
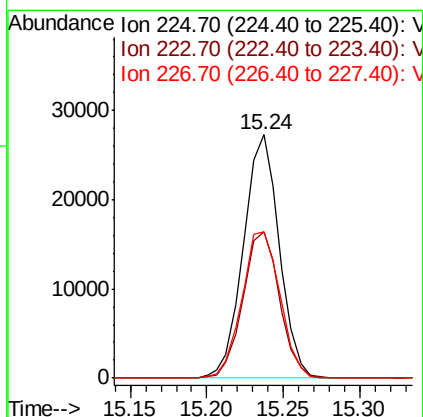
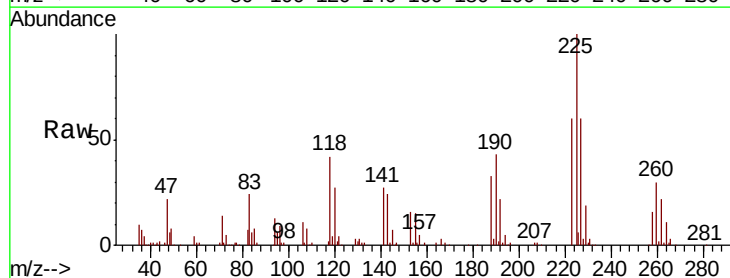
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBSD01

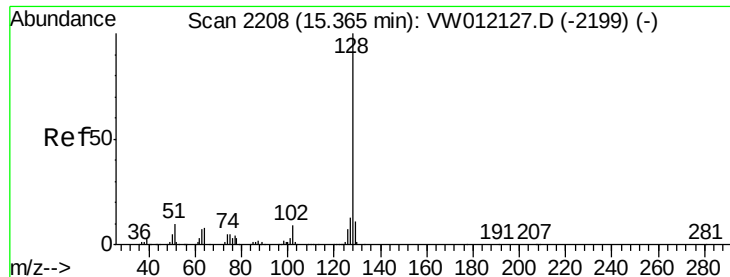
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.8	143.4
145	31.1	15.0	45.1



#94
 Hexachlorobutadiene
 Concen: 21.053 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW012162.D
 Acq: 26 Aug 2019 10:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.6	32.3	96.8
227	64.1	32.9	98.6

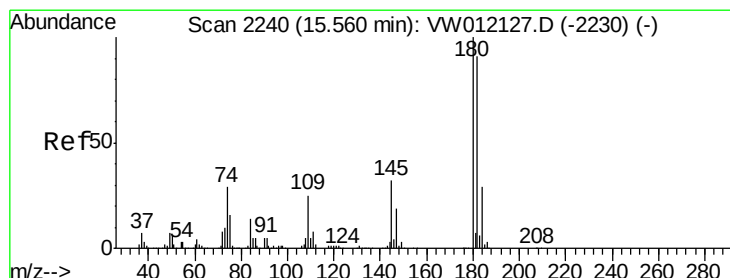
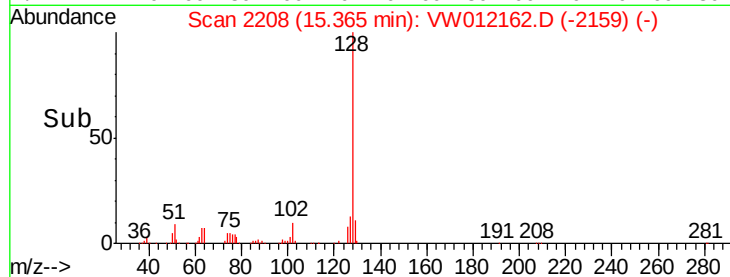
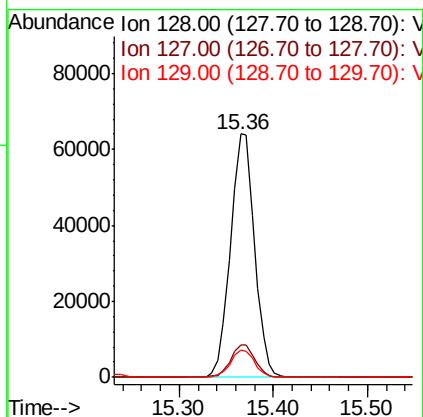
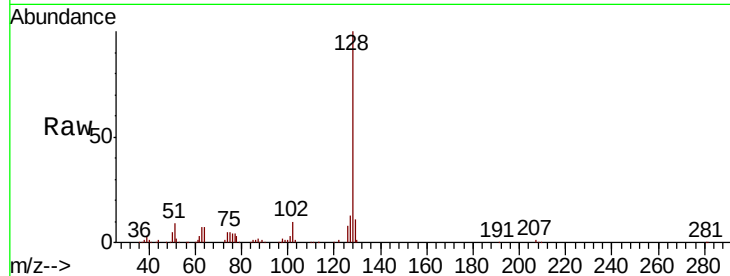




#95
Naphthalene
Concen: 20.975 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012162.D
Acq: 26 Aug 2019 10:47

Instrument :
MSVOA_W
ClientSampleId :
VW0826SBSD01

Tot Ion:128 Resp: 113867
Ion Ratio Lower Upper
128 100
127 13.5 10.7 16.1
129 11.2 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 21.032 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012162.D
Acq: 26 Aug 2019 10:47

Tgt Ion:180 Resp: 58413
Ion Ratio Lower Upper
180 100
182 95.4 47.1 141.3
145 32.0 16.2 48.5

