

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080619\
 Data File : VW011711.D
 Acq On : 05 Aug 2019 16:05
 Operator : SY/VA
 Sample : VW0806SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0806SBS01

Quant Time: Aug 06 08:45:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	234750	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	375387	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	330695	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	163422	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	141498	52.49	ug/l	0.00
Spiked Amount 50.000			Recovery =	104.98%		
35) Dibromofluoromethane	7.88	113	114292	54.27	ug/l	0.00
Spiked Amount 50.000			Recovery =	108.54%		
50) Toluene-d8	10.32	98	474141	54.99	ug/l	0.00
Spiked Amount 50.000			Recovery =	109.98%		
62) 4-Bromofluorobenzene	12.62	95	166934	54.30	ug/l	0.00
Spiked Amount 50.000			Recovery =	108.60%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	30863	23.590	ug/l	96
3) Chloromethane	2.21	50	47831	21.084	ug/l	100
4) Vinyl Chloride	2.35	62	58765	21.516	ug/l	96
5) Bromomethane	2.76	94	29768	19.691	ug/l	100
6) Chloroethane	2.92	64	32392	20.762	ug/l	95
7) Trichlorofluoromethane	3.25	101	29109	23.847	ug/l	98
8) Diethyl Ether	3.67	74	27778	20.071	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	49549	21.399	ug/l	99
10) Methyl Iodide	4.27	142	66585	20.348	ug/l	100
11) Tert butyl alcohol	5.16	59	21511	97.236	ug/l	97
12) 1,1-Dichloroethene	4.03	96	50305	20.576	ug/l	99
13) Acrolein	3.89	56	16991	87.847	ug/l	99
14) Allyl chloride	4.67	41	105502	20.289	ug/l	100
15) Acrylonitrile	5.36	53	66747	96.614	ug/l	100
16) Acetone	4.12	43	72309	84.329	ug/l	97
17) Carbon Disulfide	4.38	76	153273	20.031	ug/l	99
18) Methyl Acetate	4.67	43	35943	18.659	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	77375	19.944	ug/l	99
20) Methylene Chloride	4.92	84	58016	19.619	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	53547	20.315	ug/l	95
22) Diisopropyl ether	6.31	45	198533	20.251	ug/l	99
23) Vinyl Acetate	6.25	43	605454	98.285	ug/l	99
24) 1,1-Dichloroethane	6.21	63	107559	20.485	ug/l	99
25) 2-Butanone	7.17	43	100526	89.595	ug/l	100
26) 2,2-Dichloropropane	7.17	77	63815	19.763	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	57508	19.824	ug/l	98
28) Bromochloromethane	7.51	49	51658	22.166	ug/l	99
29) Tetrahydrofuran	7.53	42	61517	95.918	ug/l	100
30) Chloroform	7.67	83	98796	20.396	ug/l	99
31) Cyclohexane	7.95	56	105984	21.028	ug/l #	94
32) 1,1,1-Trichloroethane	7.87	97	78641	21.318	ug/l	97
36) 1,1-Dichloropropene	8.08	75	83338	21.350	ug/l	99
37) Ethyl Acetate	7.25	43	44065	19.622	ug/l	97
38) Carbon Tetrachloride	8.07	117	70943	21.231	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	94535	21.995	ug/l	99
40) Benzene	8.32	78	225799	20.652	ug/l	100
41) Methacrylonitrile	7.48	41	25637	19.098	ug/l	98
42) 1,2-Dichloroethane	8.40	62	70393	20.564	ug/l	100
43) Isopropyl Acetate	8.42	43	79739	19.307	ug/l	100
44) Trichloroethene	9.09	130	56080	21.341	ug/l	98
45) 1,2-Dichloropropane	9.37	63	60264	20.600	ug/l	98
46) Dibromomethane	9.46	93	26772	20.051	ug/l	99
47) Bromodichloromethane	9.64	83	70295	20.070	ug/l	99
48) Methyl methacrylate	9.44	41	38177	19.243	ug/l	98
49) 1,4-Dioxane	9.45	88	8313	429.986	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	211986	98.680	ug/l	99
52) Toluene	10.38	92	138099	20.916	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	72347	19.774	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	87036	20.007	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	38532	20.339	ug/l	95
56) Ethyl methacrylate	10.65	69	54234	19.563	ug/l	97
57) 1,3-Dichloropropane	10.93	76	72402	20.201	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	127703	101.456	ug/l	100
59) 2-Hexanone	10.97	43	145739	96.084	ug/l	99
60) Dibromochloromethane	11.13	129	41625	19.794	ug/l	100
61) 1,2-Dibromoethane	11.23	107	35330	19.706	ug/l	99
64) Tetrachloroethene	10.86	164	45291	21.034	ug/l	98
65) Chlorobenzene	11.66	112	137913	20.743	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	46941	20.270	ug/l	99
67) Ethyl Benzene	11.73	91	263846	20.837	ug/l	99
68) m/p-Xylenes	11.84	106	192064	41.708	ug/l	100
69) o-Xylene	12.16	106	88118	20.592	ug/l	99
70) Styrene	12.18	104	151827	20.521	ug/l	99
71) Bromoform	12.35	173	22649	19.182	ug/l #	96
73) Isopropylbenzene	12.46	105	249447	20.460	ug/l	100
74) N-amyl acetate	12.27	43	73582	19.278	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	45351	19.776	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	31628m	18.291	ug/l	
77) Bromobenzene	12.75	156	55144	20.464	ug/l	99
78) n-propylbenzene	12.80	91	310625	20.935	ug/l	99
79) 2-Chlorotoluene	12.89	91	172965	20.235	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	214180	20.958	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	13429	17.898	ug/l	91
82) 4-Chlorotoluene	12.99	91	183854	20.500	ug/l	100
83) tert-Butylbenzene	13.21	119	177807	20.806	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	215469	20.930	ug/l	99
85) sec-Butylbenzene	13.38	105	257483	21.115	ug/l	99
86) p-Isopropyltoluene	13.50	119	229900	20.779	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	106946	20.240	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	105625	20.096	ug/l	98
89) n-Butylbenzene	13.82	91	231951	21.008	ug/l	99
90) Hexachloroethane	14.09	117	39646	20.264	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	95727	20.484	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7826	20.012	ug/l	95

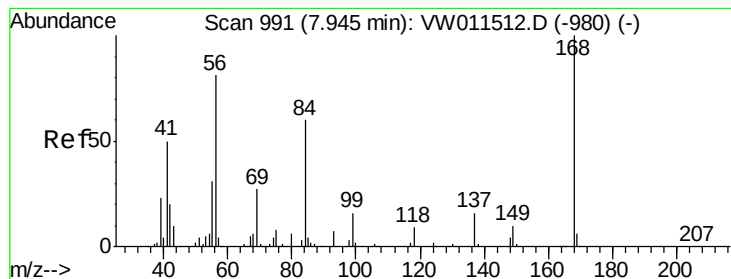
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080619\
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Acq On : 05 Aug 2019 16:05
Operator : SY/VA
Sample : VW0806SBSD01
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MSVOA_W
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Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	66819	20.288	ug/l	100
94) Hexachlorobutadiene	15.24	225	44022	21.433	ug/l	99
95) Naphthalene	15.37	128	111412	18.621	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	57206	19.815	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: VW011711.D

Acq: 05 Aug 2019 16:05

Instrument :

MSVOA_W

ClientSampleId :

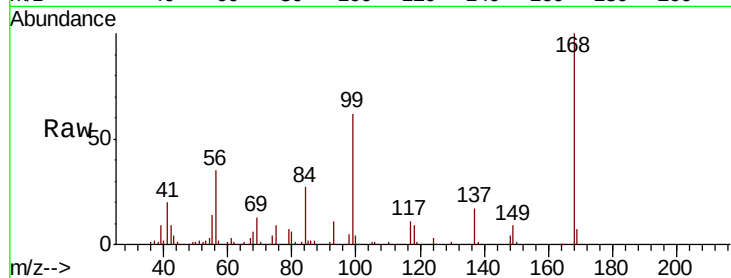
VW0806SBSD01

Tot Ion:168 Resp: 234750

Ion Ratio Lower Upper

168 100

99 61.6 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

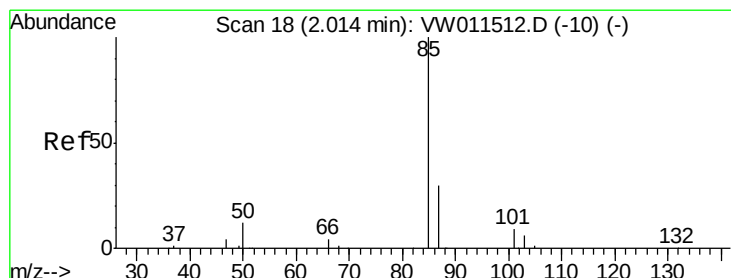
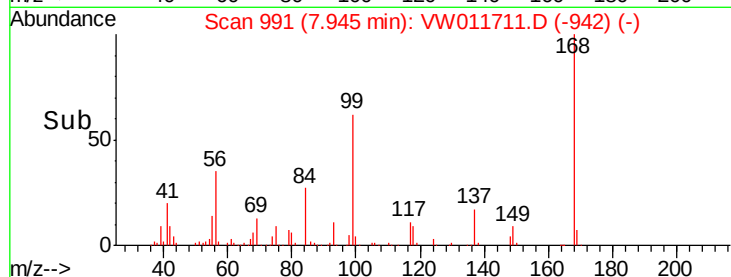
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 23.590 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011711.D

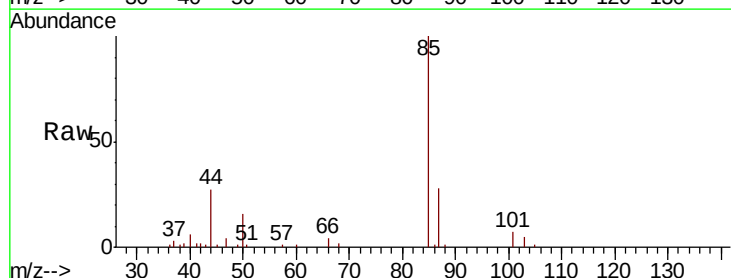
Acq: 05 Aug 2019 16:05

Tgt Ion: 85 Resp: 30863

Ion Ratio Lower Upper

85 100

87 28.2 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

12000

10000

8000

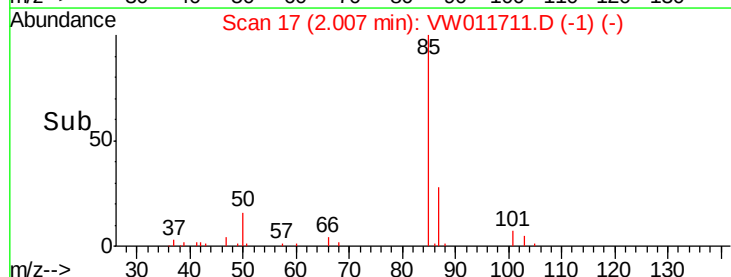
6000

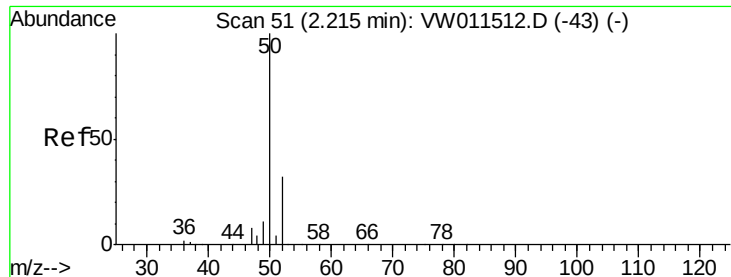
4000

2000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 21.084 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011711.D

Acq: 05 Aug 2019 16:05

Instrument :

MSVOA_W

ClientSampleId :

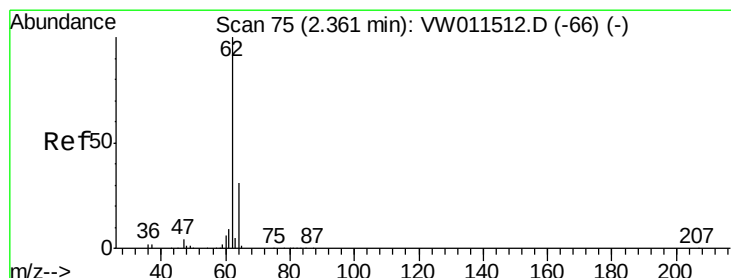
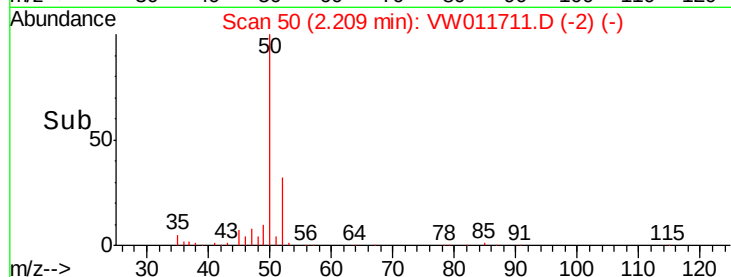
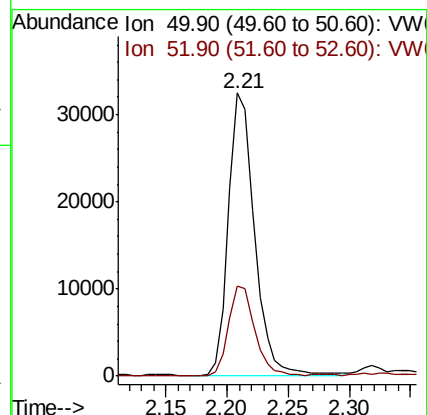
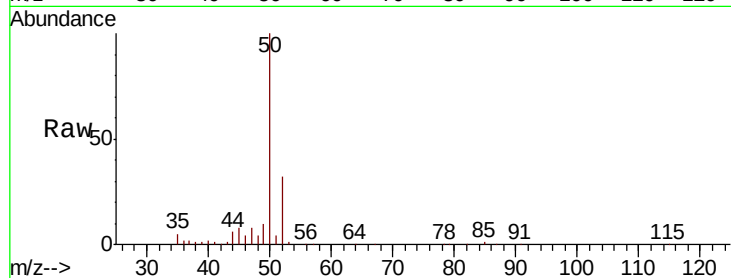
VW0806SBSD01

Tot Ion: 50 Resp: 47831

Ion Ratio Lower Upper

50 100

52 31.9 25.4 38.2



#4

Vinyl Chloride

Concen: 21.516 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011711.D

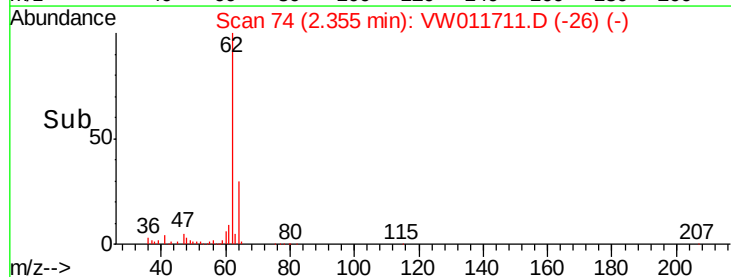
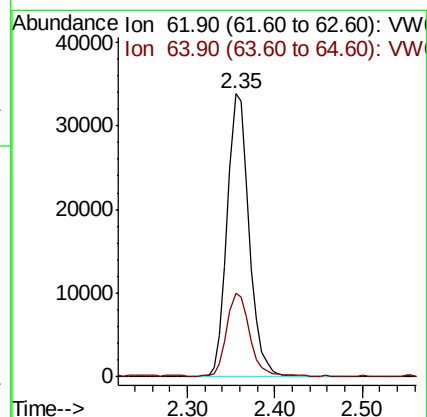
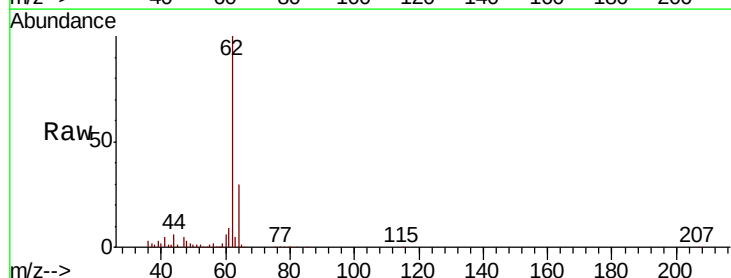
Acq: 05 Aug 2019 16:05

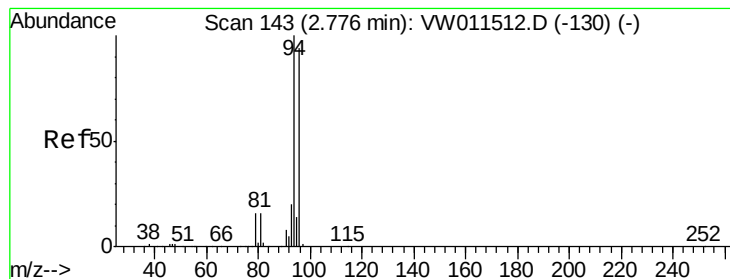
Tgt Ion: 62 Resp: 58765

Ion Ratio Lower Upper

62 100

64 29.3 25.0 37.4





#5

Bromomethane

Concen: 19.691 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW011711.D

Acq: 05 Aug 2019 16:05

Instrument :

MSVOA_W

ClientSampleId :

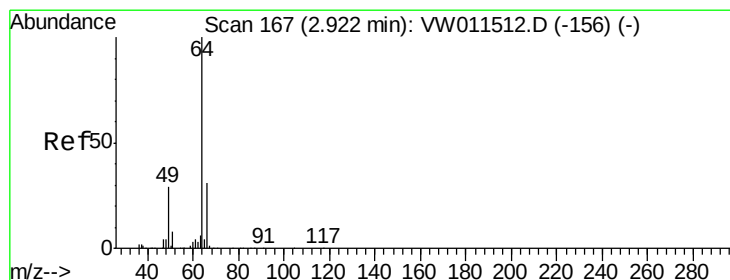
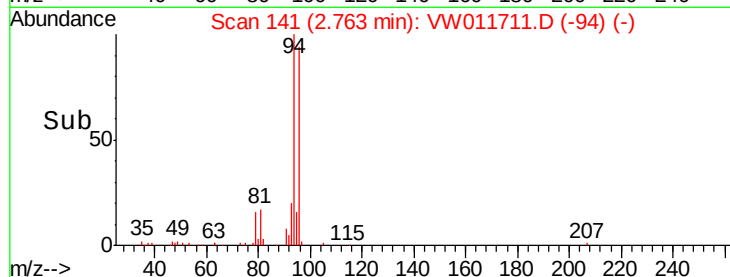
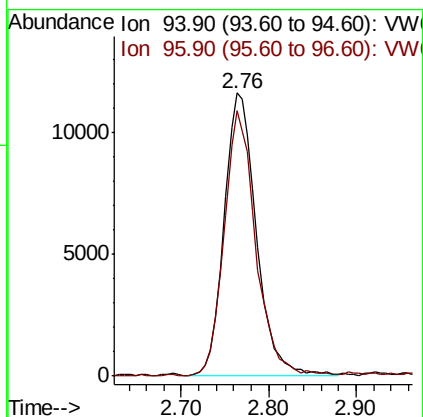
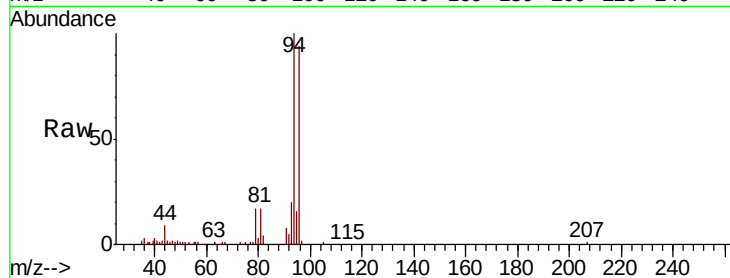
VW0806SBSD01

Tot Ion: 94 Resp: 29768

Ion Ratio Lower Upper

94 100

96 94.0 75.0 112.6



#6

Chloroethane

Concen: 20.762 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW011711.D

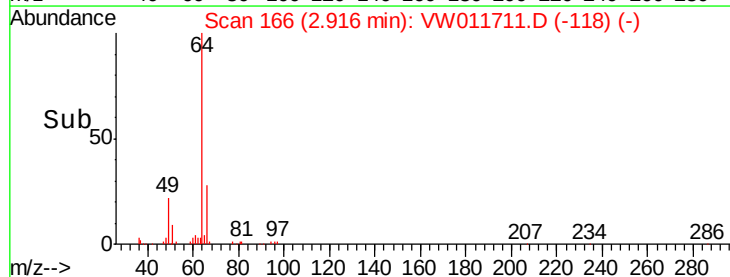
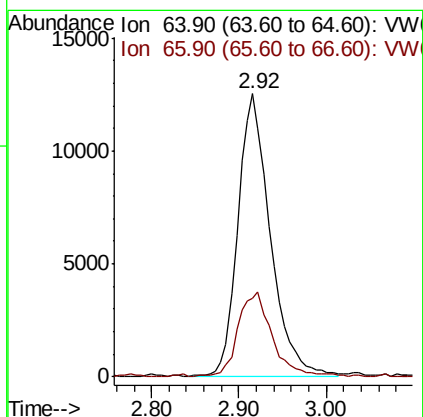
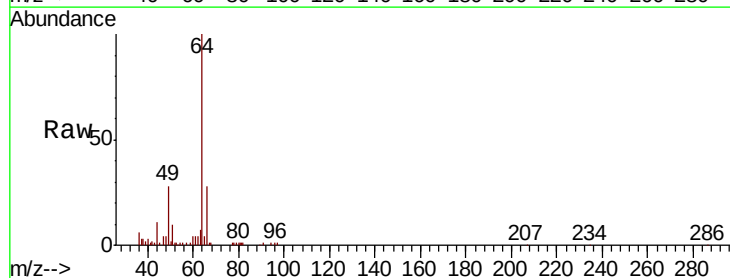
Acq: 05 Aug 2019 16:05

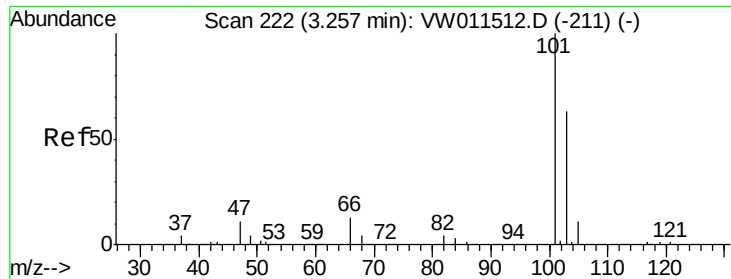
Tgt Ion: 64 Resp: 32392

Ion Ratio Lower Upper

64 100

66 27.9 24.6 36.8



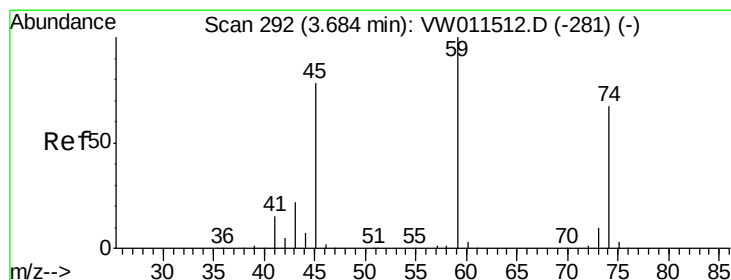
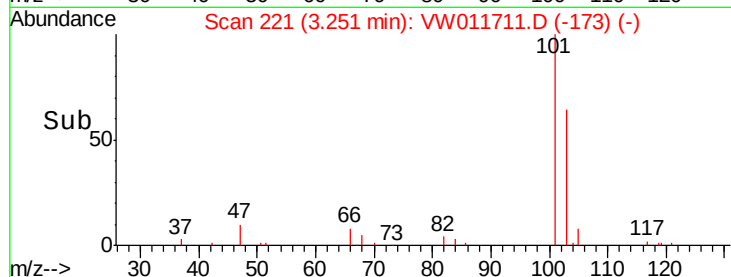
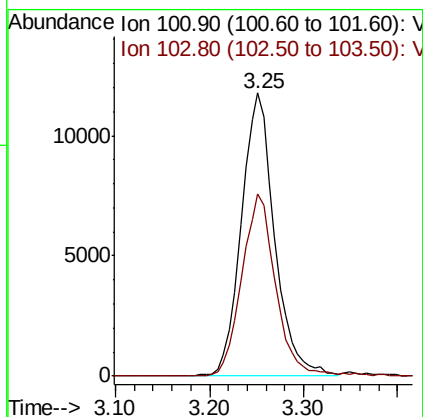
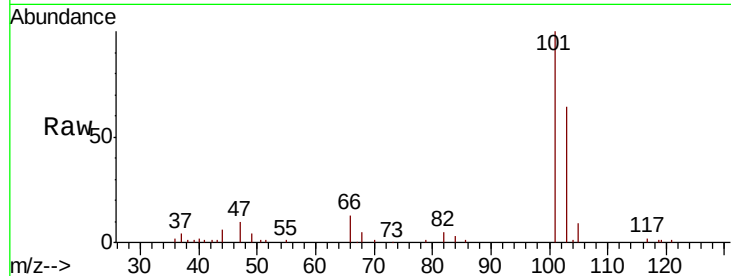


#7

Trichlorofluoromethane
 Concen: 23.847 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW011711.D
 Acq: 05 Aug 2019 16:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0806SBSD01

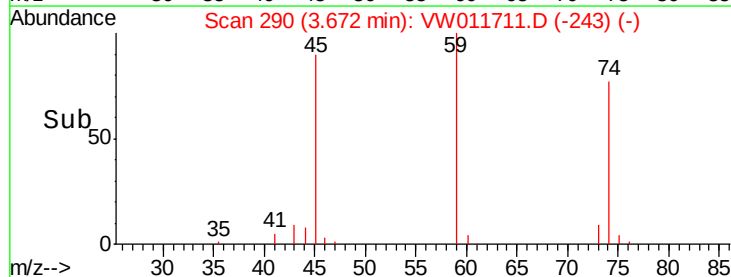
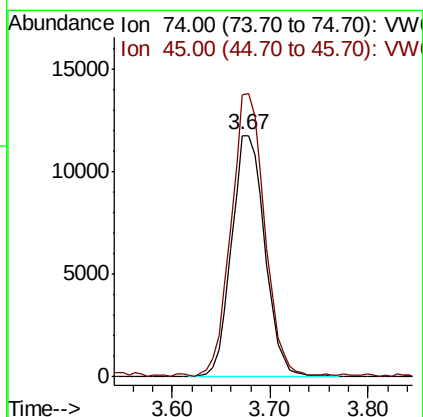
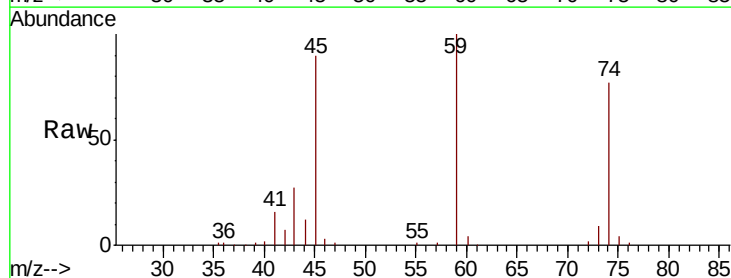
Tot Ion:101 Resp: 29109
 Ion Ratio Lower Upper
 101 100
 103 64.3 50.2 75.4

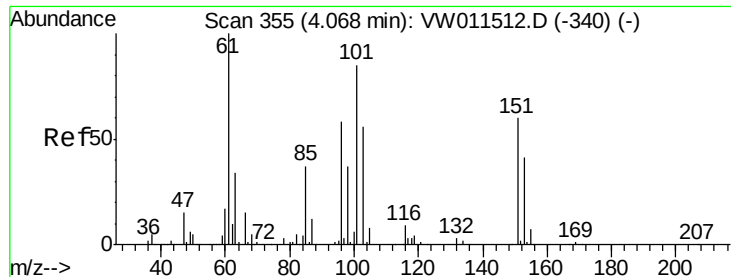


#8

Diethyl Ether
 Concen: 20.071 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW011711.D
 Acq: 05 Aug 2019 16:05

Tgt Ion: 74 Resp: 27778
 Ion Ratio Lower Upper
 74 100
 45 118.6 59.6 178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.399 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW011711.D

Acq: 05 Aug 2019 16:05

Instrument :

MSVOA_W

ClientSampleId :

VW0806SBSD01

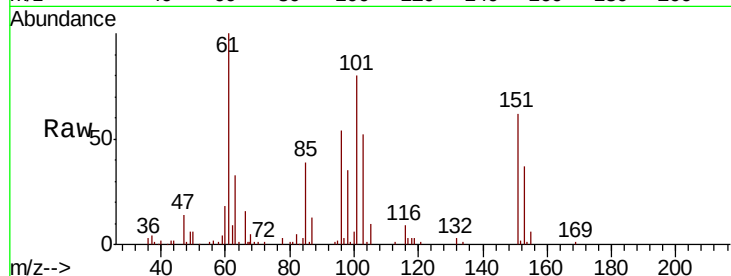
Tot Ion:101 Resp: 49549

Ion Ratio Lower Upper

101 100

85 46.4 36.6 54.8

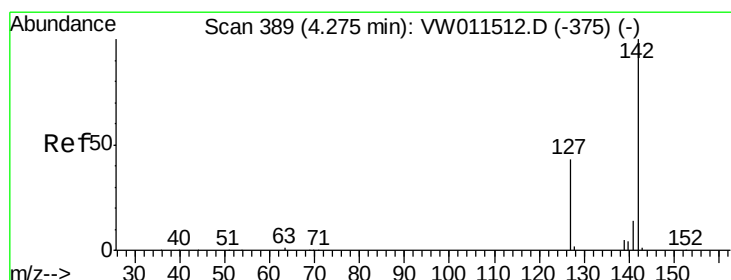
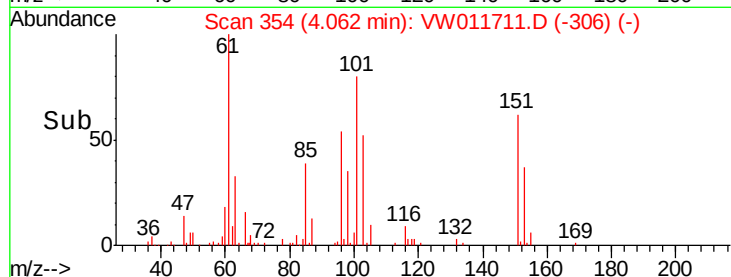
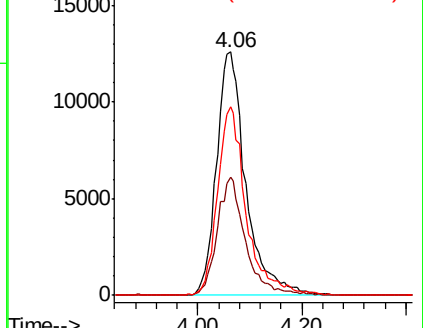
151 75.9 60.2 90.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.348 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW011711.D

Acq: 05 Aug 2019 16:05

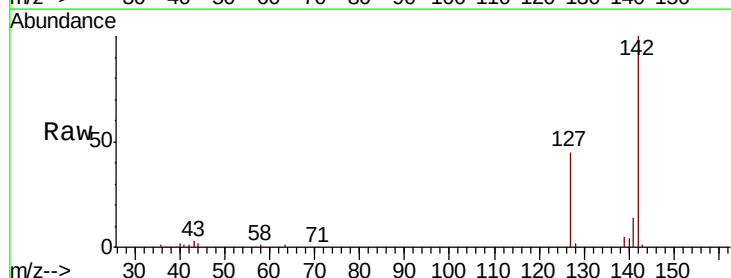
Tgt Ion:142 Resp: 66585

Ion Ratio Lower Upper

142 100

127 43.8 35.0 52.6

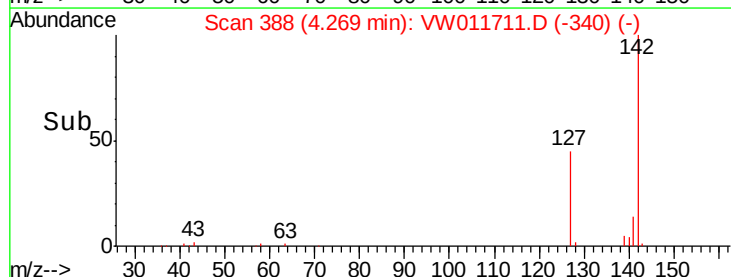
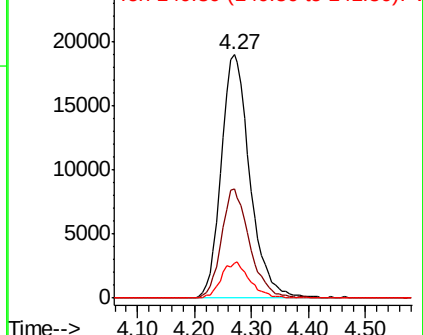
141 14.6 11.9 17.9

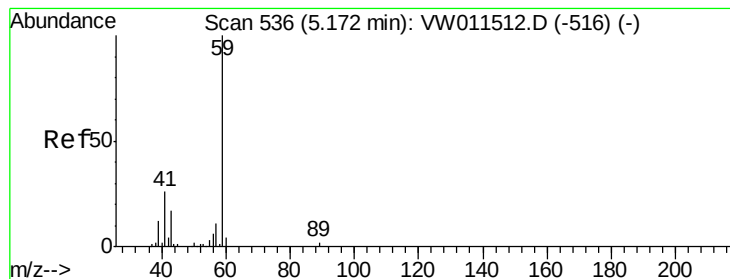


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



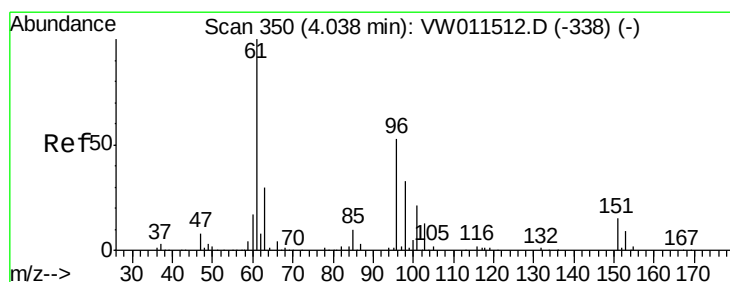
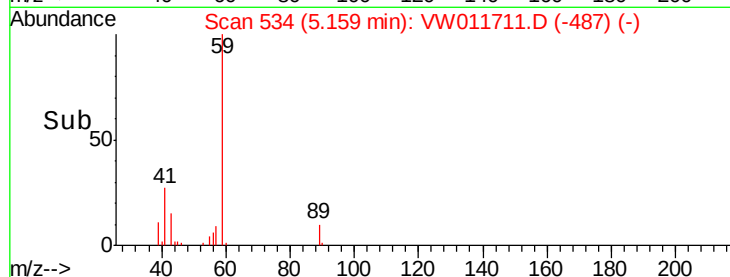
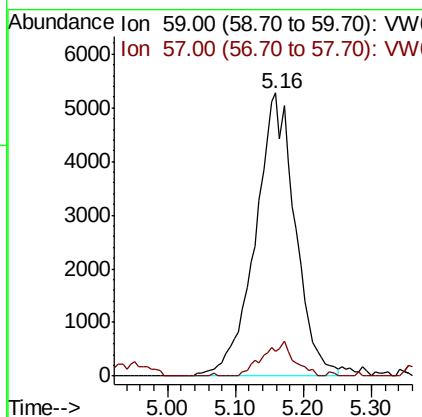
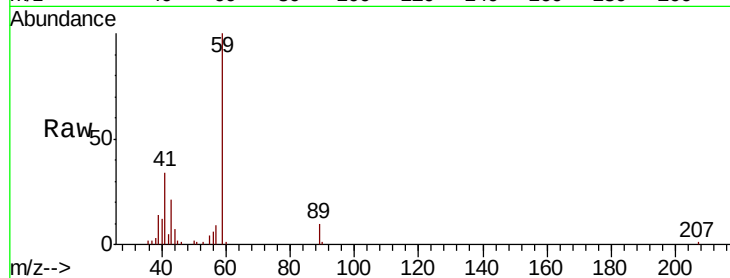


#11

Tert butyl alcohol
 Concen: 97.236 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VW011711.D
 Acq: 05 Aug 2019 16:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0806SBSD01

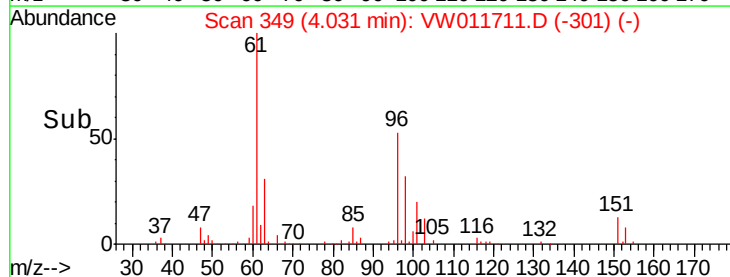
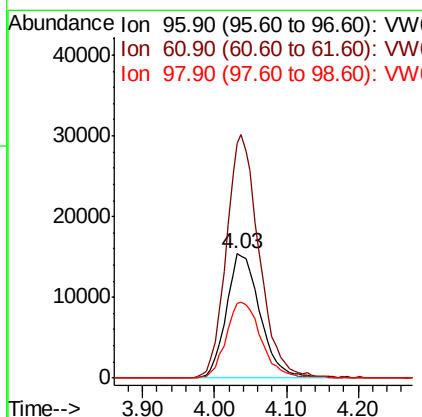
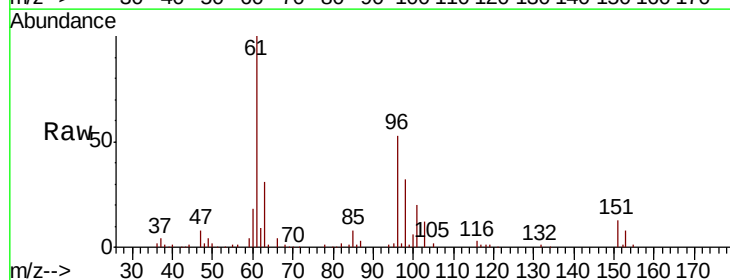
Tot Ion: 59 Resp: 21511
 Ion Ratio Lower Upper
 59 100
 57 9.4 8.5 12.7

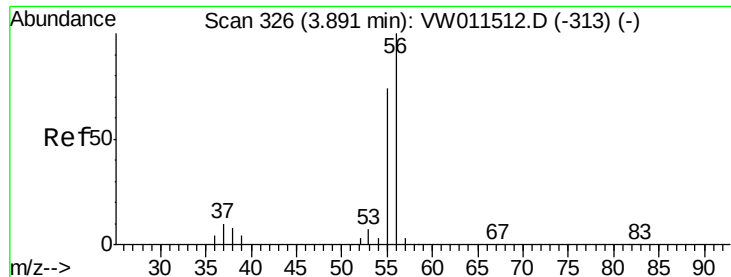


#12

1,1-Dichloroethene
 Concen: 20.576 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW011711.D
 Acq: 05 Aug 2019 16:05

Tgt Ion: 96 Resp: 50305
 Ion Ratio Lower Upper
 96 100
 61 188.5 149.9 224.9
 98 59.9 49.1 73.7





#13

Acrolein

Concen: 87.847 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW011711.D

Acq: 05 Aug 2019 16:05

Instrument :

MSVOA_W

ClientSampleId :

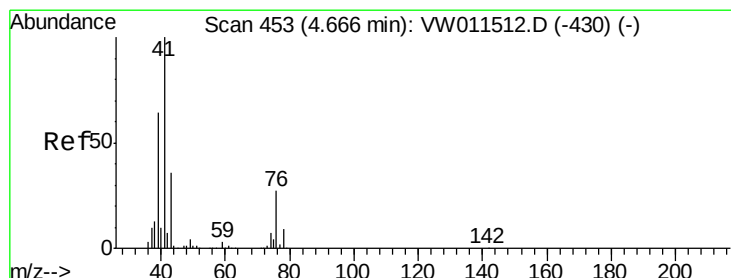
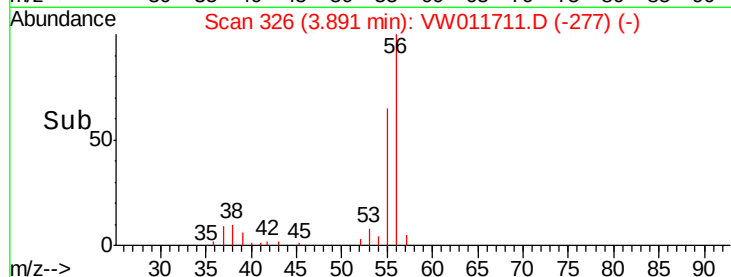
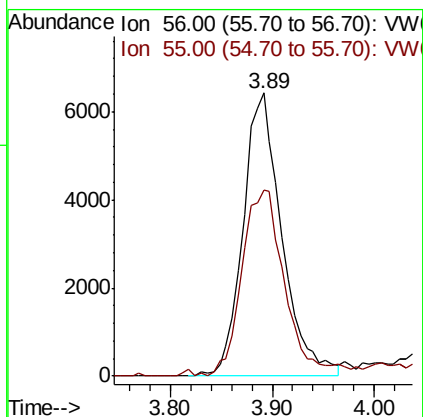
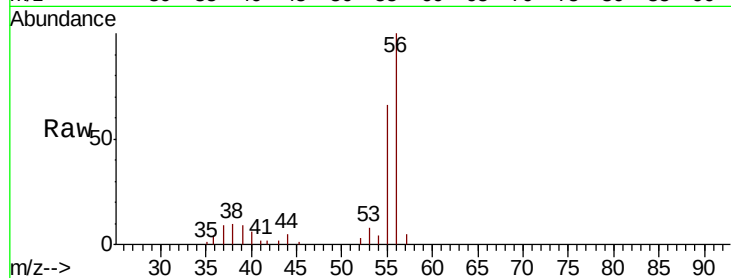
VW0806SBSD01

Tot Ion: 56 Resp: 16991

Ion Ratio Lower Upper

56 100

55 71.0 56.0 84.0



#14

Allyl chloride

Concen: 20.289 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW011711.D

Acq: 05 Aug 2019 16:05

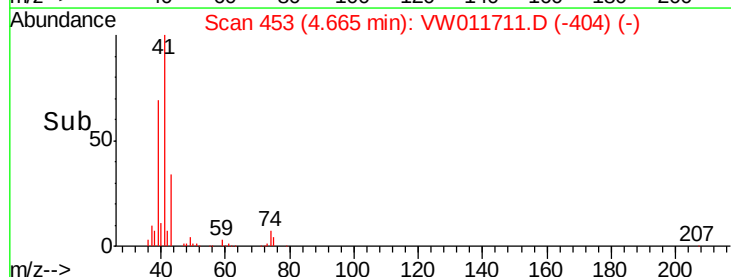
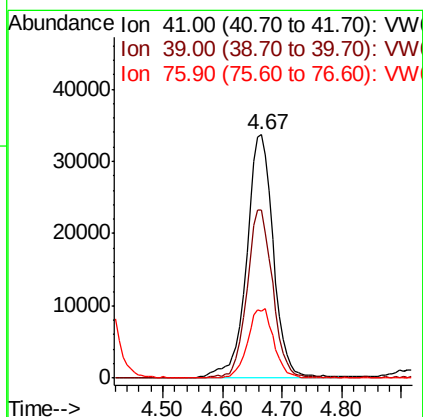
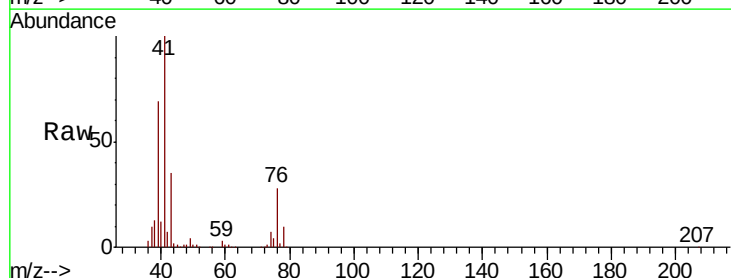
Tgt Ion: 41 Resp: 105502

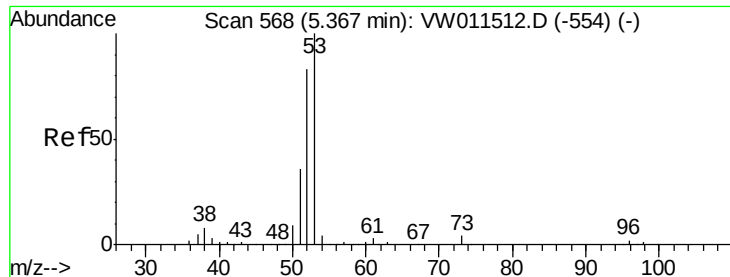
Ion Ratio Lower Upper

41 100

39 65.5 52.6 78.8

76 27.6 22.0 33.0





#15

Acrylonitrile

Concen: 96.614 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW011711.D

Acq: 05 Aug 2019 16:05

Instrument :

MSVOA_W

ClientSampleId :

VW0806SBSD01

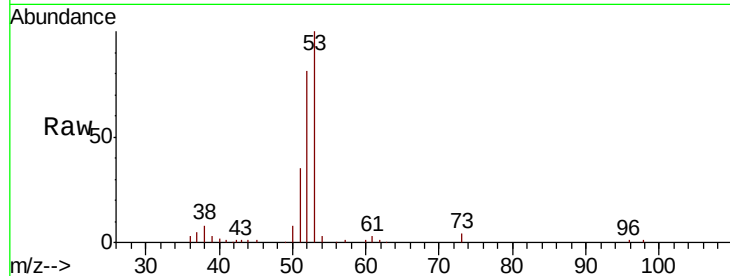
Tot Ion: 53 Resp: 66747

Ion Ratio Lower Upper

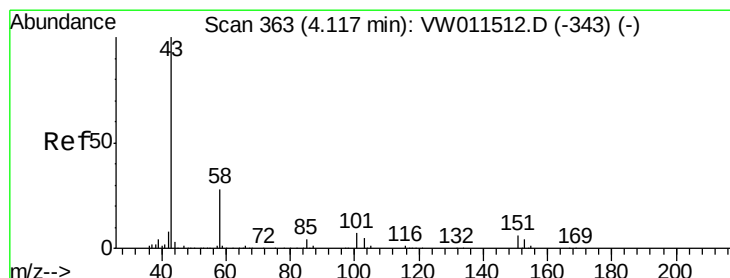
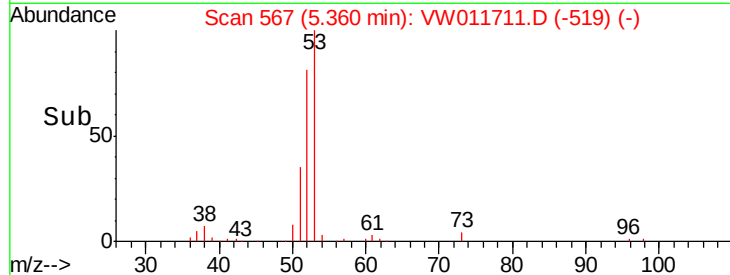
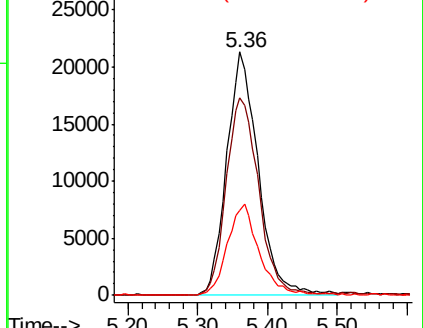
53 100

52 83.5 67.2 100.8

51 37.6 30.0 45.0



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



#16

Acetone

Concen: 84.329 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW011711.D

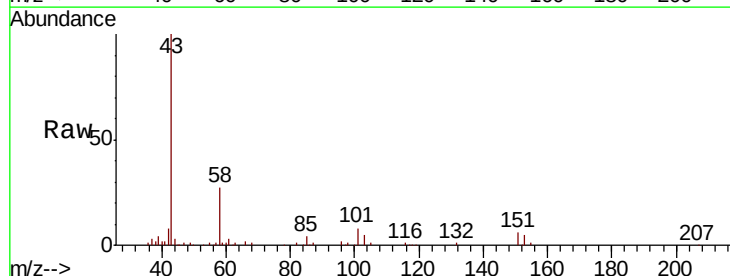
Acq: 05 Aug 2019 16:05

Tgt Ion: 43 Resp: 72309

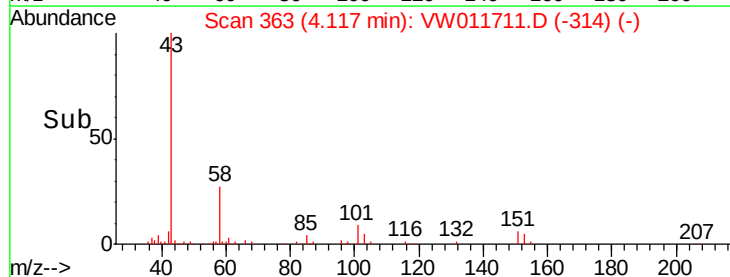
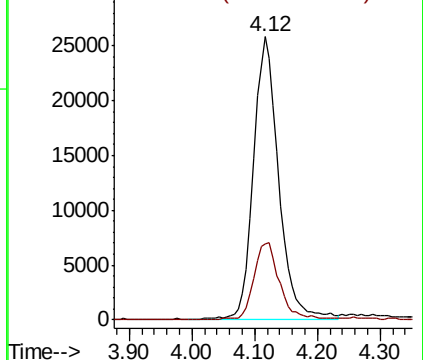
Ion Ratio Lower Upper

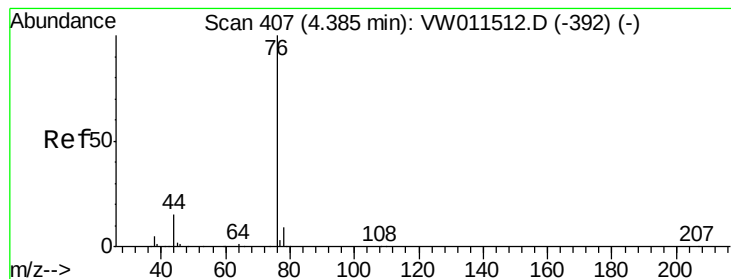
43 100

58 26.5 22.3 33.5



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





#17

Carbon Disulfide

Concen: 20.031 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW011711.D

Acq: 05 Aug 2019 16:05

Instrument :

MSVOA_W

ClientSampleId :

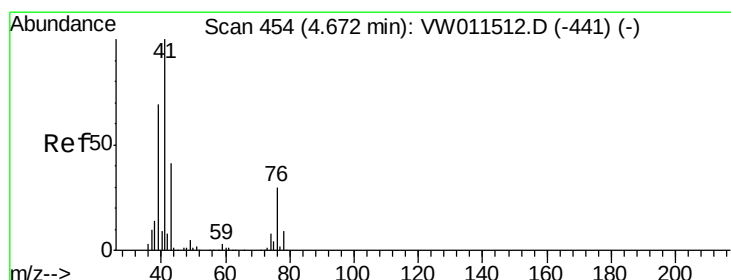
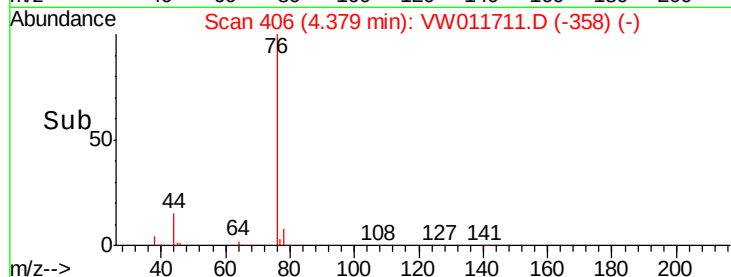
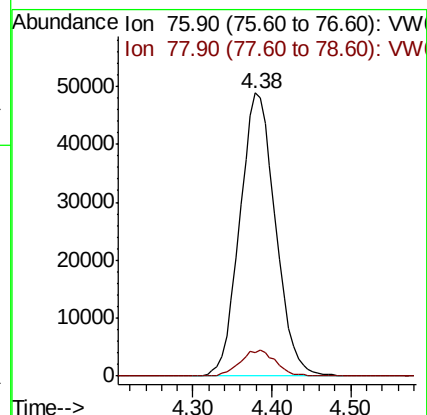
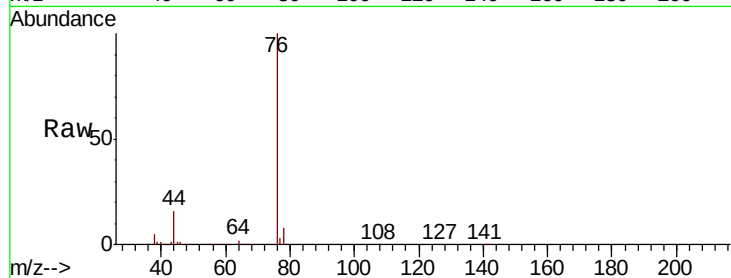
VW0806SBSD01

Tot Ion: 76 Resp: 153273

Ion Ratio Lower Upper

76 100

78 8.4 7.1 10.7



#18

Methyl Acetate

Concen: 18.659 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW011711.D

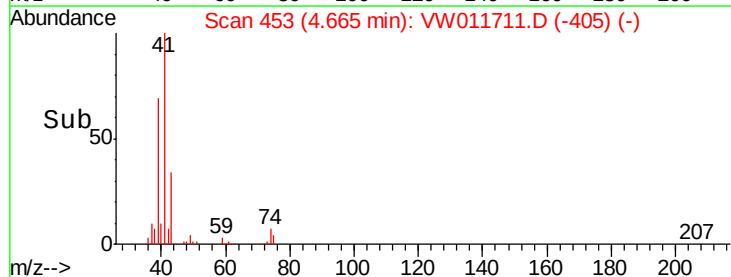
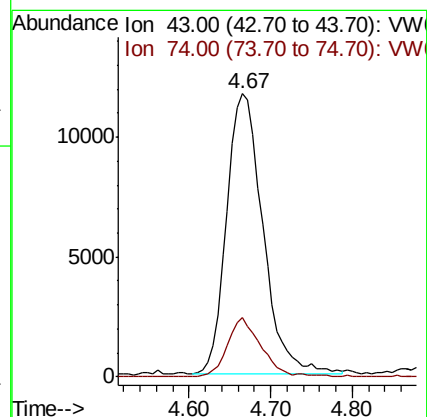
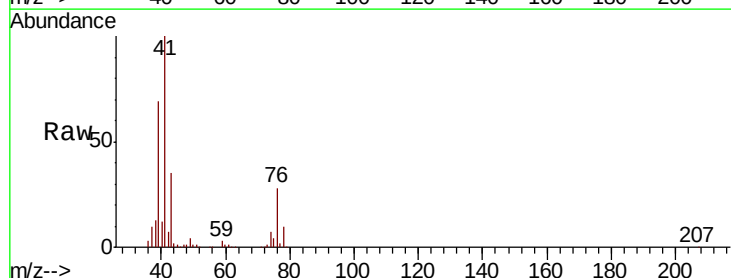
Acq: 05 Aug 2019 16:05

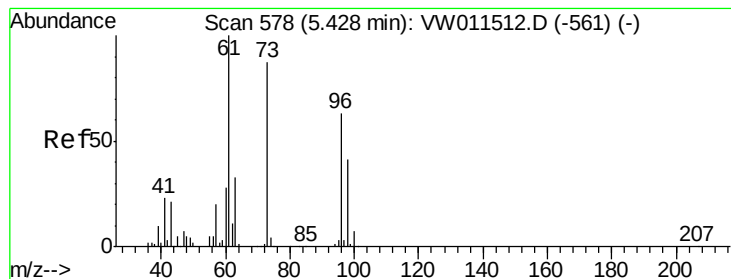
Tgt Ion: 43 Resp: 35943

Ion Ratio Lower Upper

43 100

74 19.9 15.9 23.9



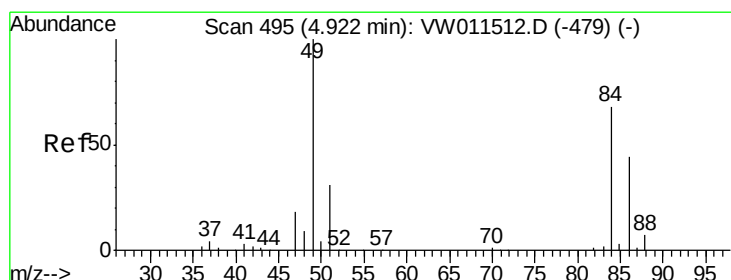
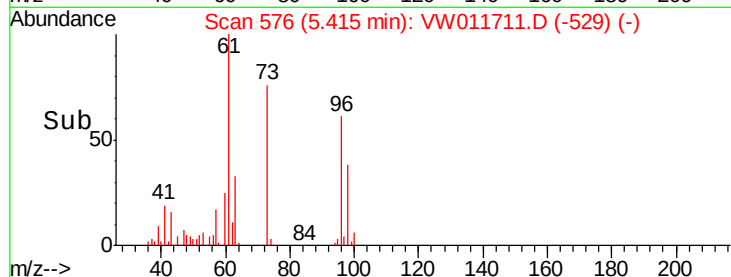
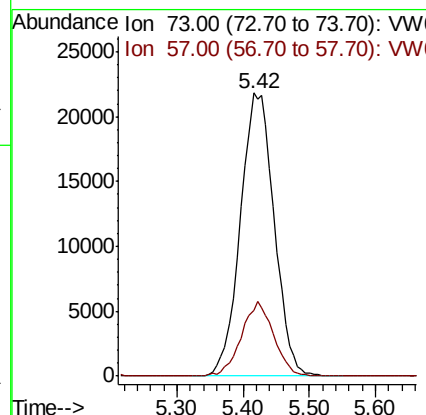
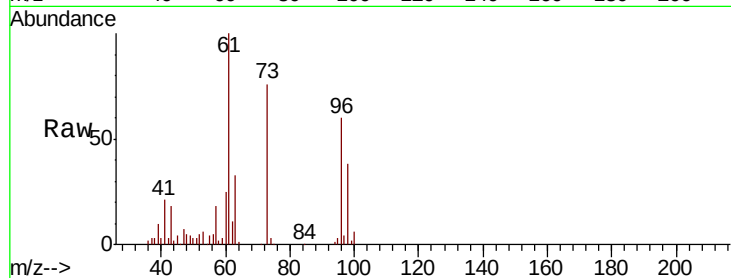


#19

Methyl tert-butyl Ether
 Concen: 19.944 ug/l
 RT: 5.42 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: VW011711.D
 Acq: 05 Aug 2019 16:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0806SBS01

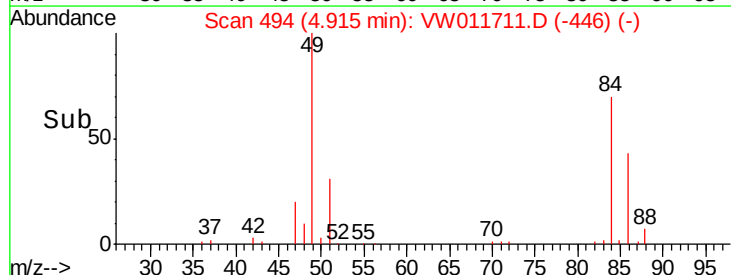
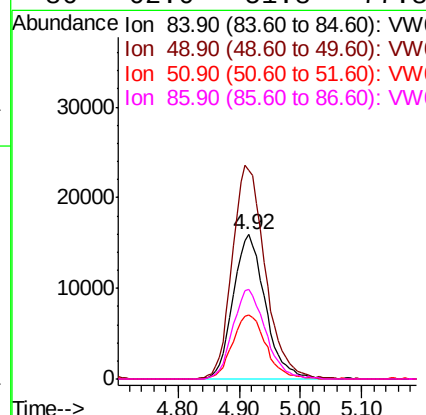
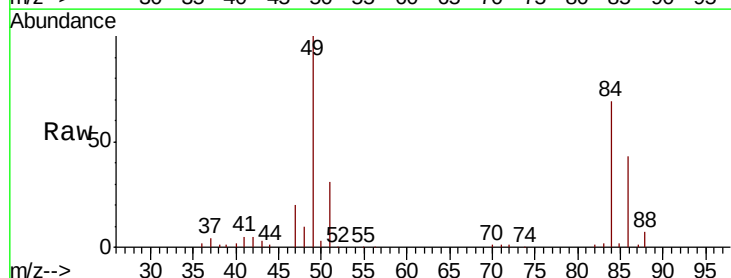
Tot Ion: 73 Resp: 77375
 Ion Ratio Lower Upper
 73 100
 57 23.3 18.4 27.6

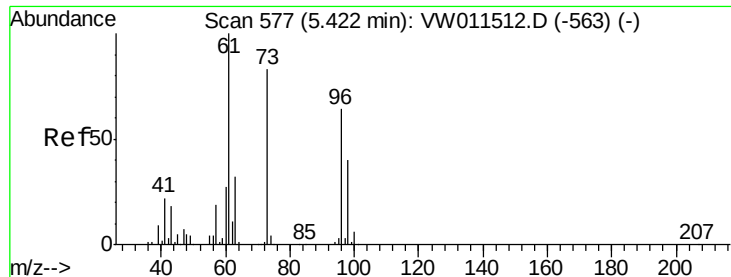


#20

Methylene Chloride
 Concen: 19.619 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. -0.01 min
 Lab File: VW011711.D
 Acq: 05 Aug 2019 16:05

Tgt Ion: 84 Resp: 58016
 Ion Ratio Lower Upper
 84 100
 49 144.8 117.8 176.6
 51 44.6 37.0 55.4
 86 62.0 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 20.315 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW011711.D

Acq: 05 Aug 2019 16:05

Instrument :

MSVOA_W

ClientSampleId :

VW0806SBSD01

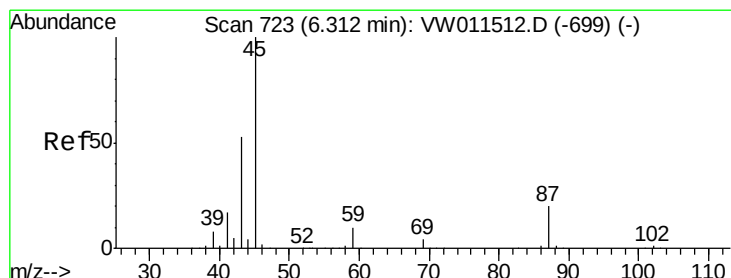
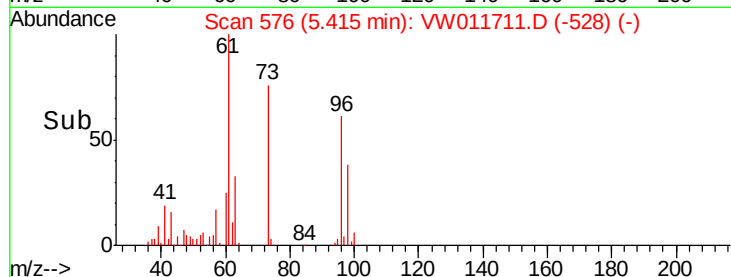
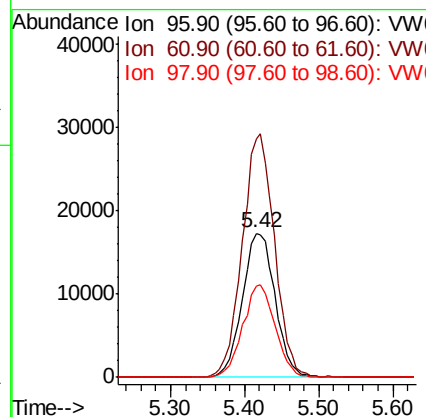
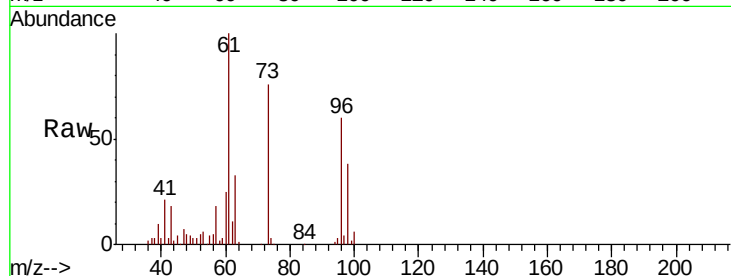
Tot Ion: 96 Resp: 53547

Ion Ratio Lower Upper

96 100

61 165.6 125.7 188.5

98 63.1 50.3 75.5



#22

Diisopropyl ether

Concen: 20.251 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW011711.D

Acq: 05 Aug 2019 16:05

Tgt Ion: 45 Resp: 198533

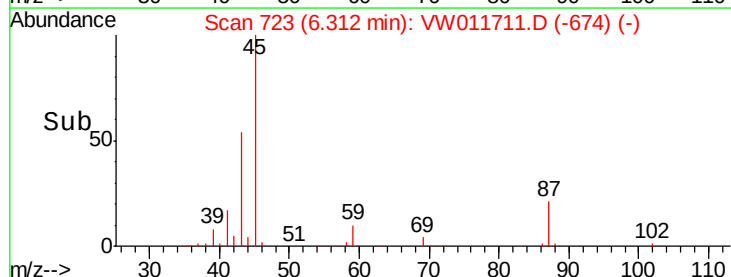
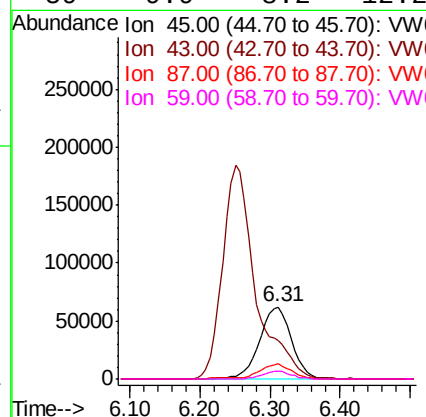
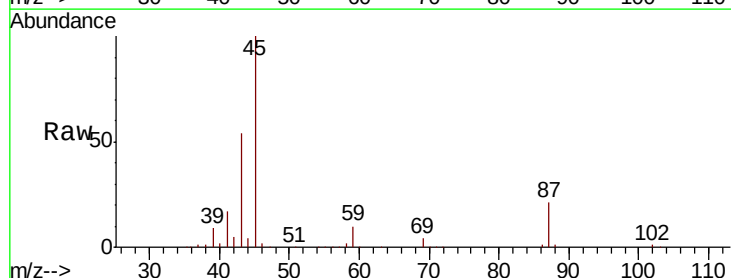
Ion Ratio Lower Upper

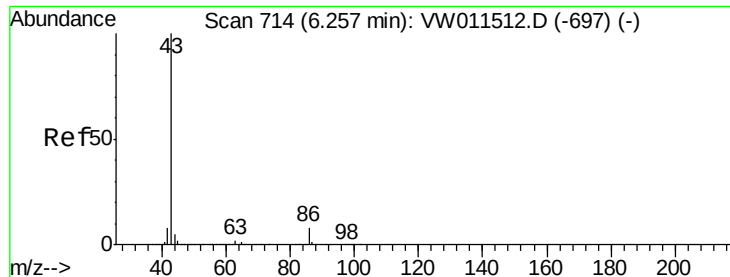
45 100

43 53.9 42.6 63.8

87 21.1 16.4 24.6

59 9.9 8.2 12.2





#23

Vinyl Acetate

Concen: 98.285 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW011711.D

Acq: 05 Aug 2019 16:05

Instrument :

MSVOA_W

ClientSampleId :

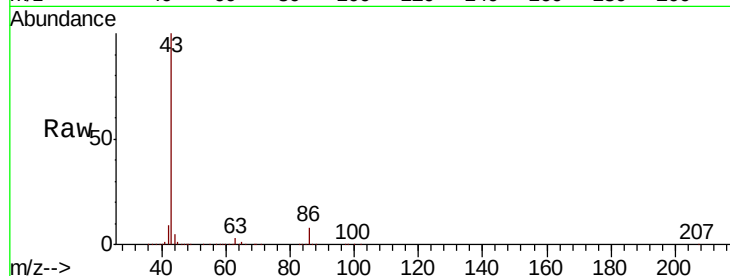
VW0806SBSD01

Tot Ion: 43 Resp: 605454

Ion Ratio Lower Upper

43 100

86 7.9 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

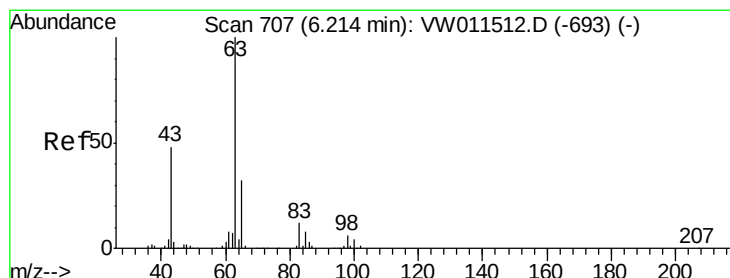
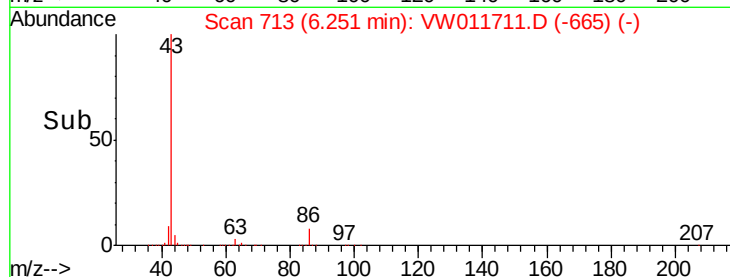
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.485 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW011711.D

Acq: 05 Aug 2019 16:05

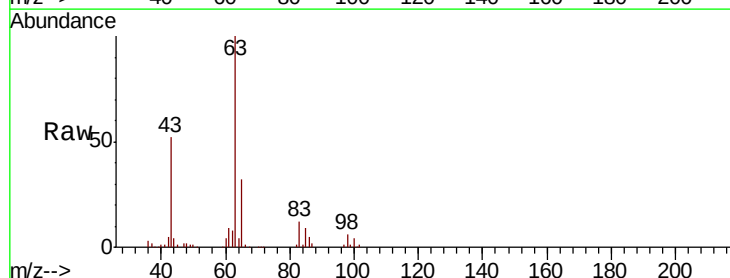
Tgt Ion: 63 Resp: 107559

Ion Ratio Lower Upper

63 100

98 5.8 2.9 8.8

100 3.9 2.1 6.3



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

50000

40000

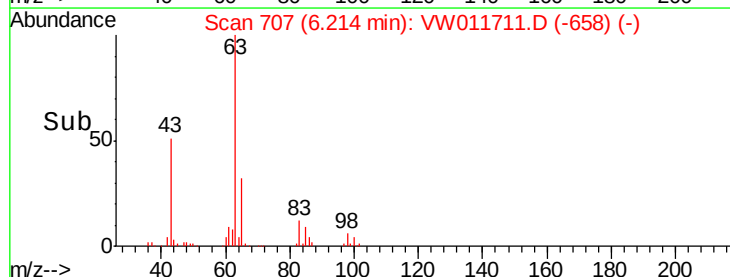
30000

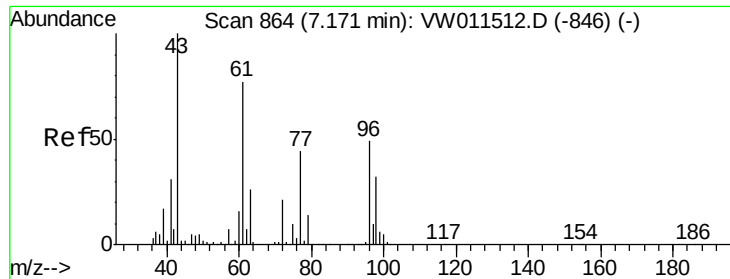
20000

10000

0

Time-->





#25

2-Butanone

Concen: 89.595 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW011711.D

Acq: 05 Aug 2019 16:05

Instrument :

MSVOA_W

ClientSampled :

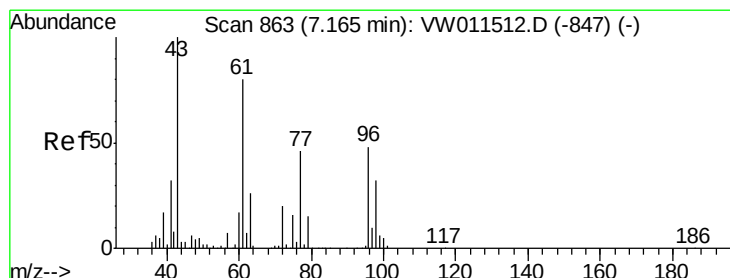
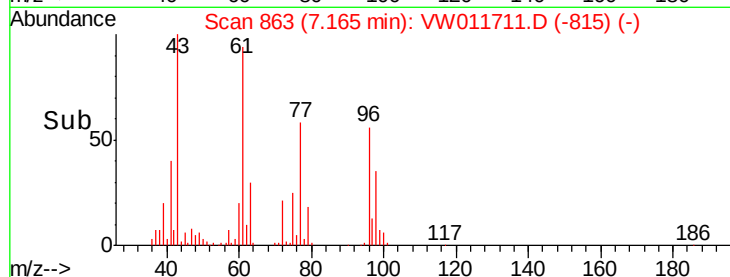
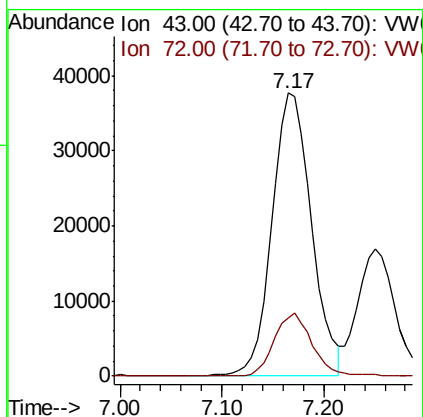
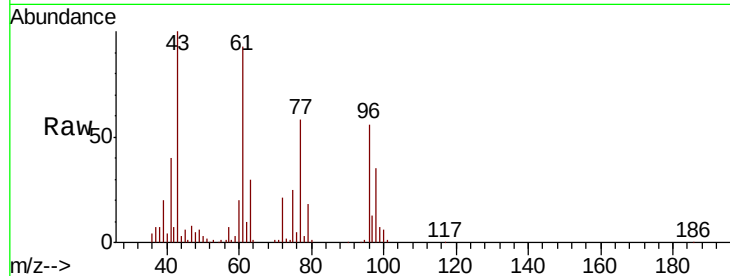
VW0806SBS01

Tot Ion: 43 Resp: 100526

Ion Ratio Lower Upper

43 100

72 20.5 16.6 24.8



#26

2,2-Dichloropropane

Concen: 19.763 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011711.D

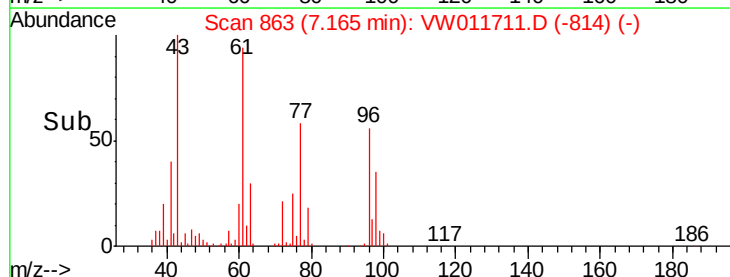
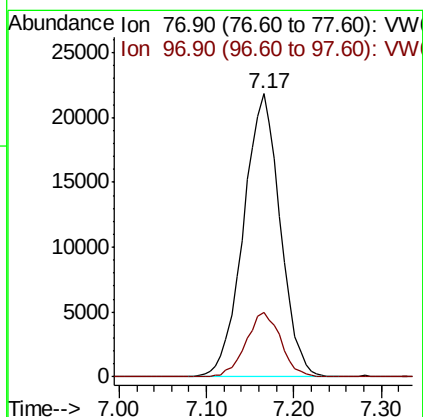
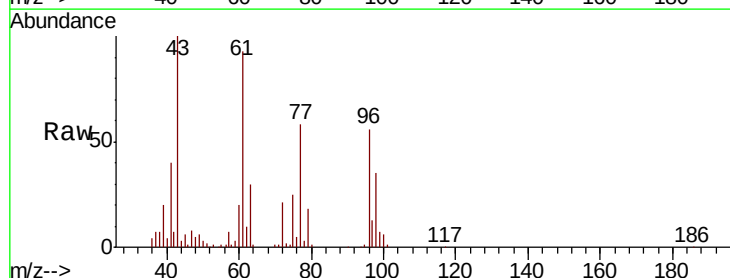
Acq: 05 Aug 2019 16:05

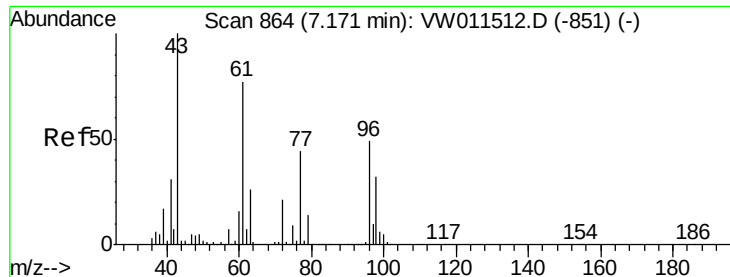
Tgt Ion: 77 Resp: 63815

Ion Ratio Lower Upper

77 100

97 21.5 10.8 32.4



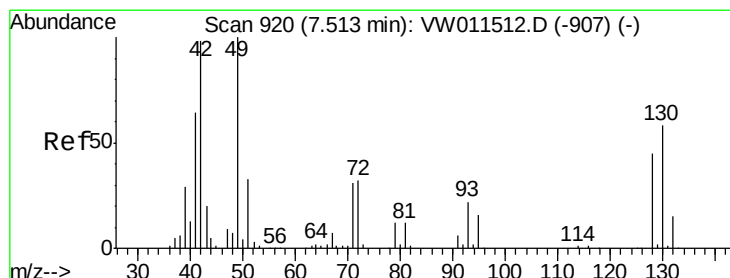
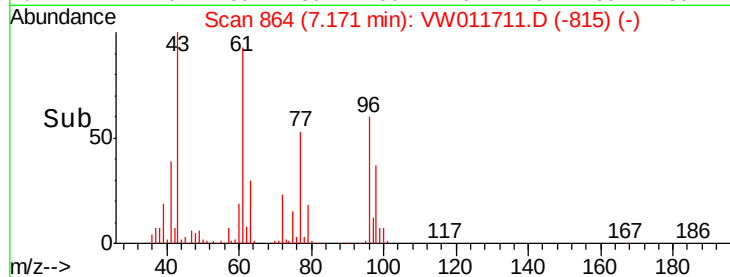
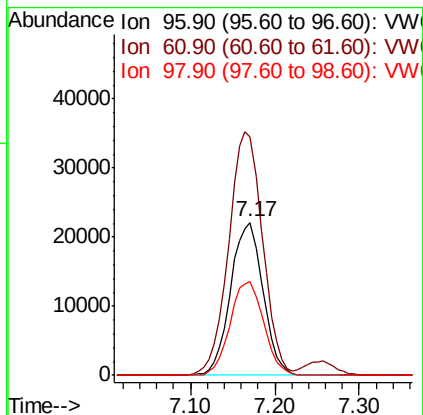
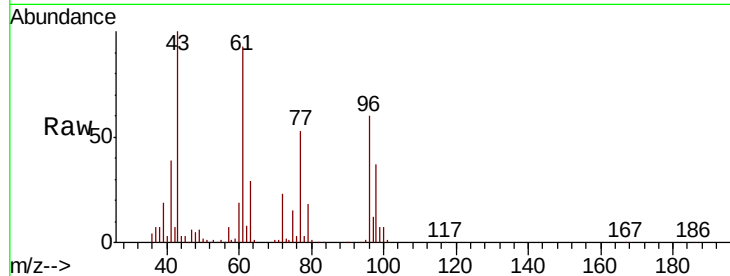


#27

cis-1,2-Dichloroethene
Concen: 19.824 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW011711.D
Acq: 05 Aug 2019 16:05

Instrument :
MSVOA_W
ClientSampleId :
VW0806SBSD01

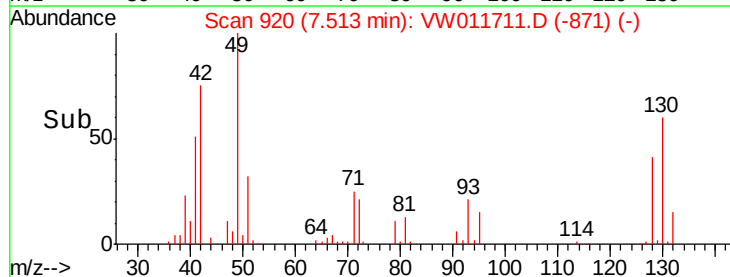
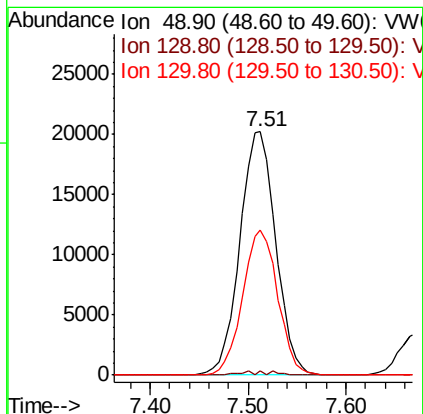
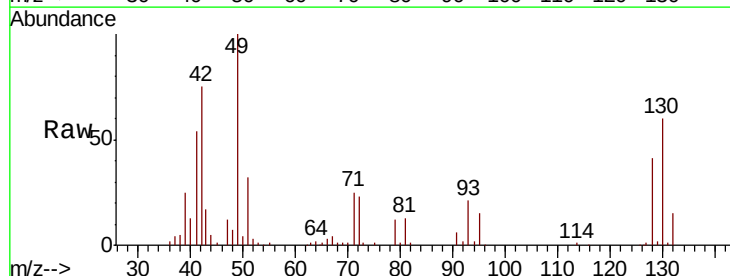
Tot Ion: 96 Resp: 57508
Ion Ratio Lower Upper
96 100
61 166.8 0.0 328.4
98 63.2 0.0 128.8

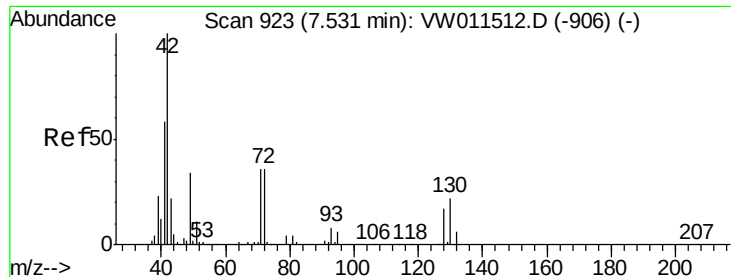


#28

Bromochloromethane
Concen: 22.166 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW011711.D
Acq: 05 Aug 2019 16:05

Tgt Ion: 49 Resp: 51658
Ion Ratio Lower Upper
49 100
129 0.4 0.0 1.0
130 58.3 46.3 69.5

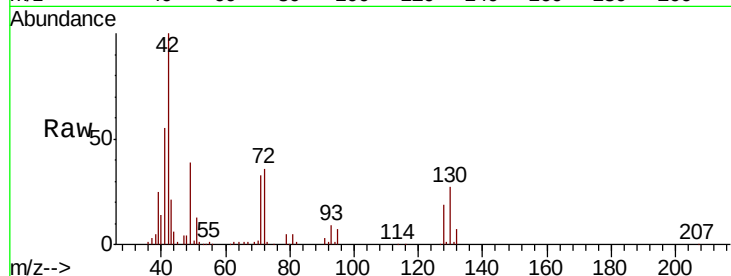




#29
Tetrahydrofuran
Concen: 95.918 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW011711.D
Acq: 05 Aug 2019 16:05

Instrument :
MSVOA_W
ClientSampleId :
VW0806SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.9	27.1	40.7
71	32.3	26.2	39.4

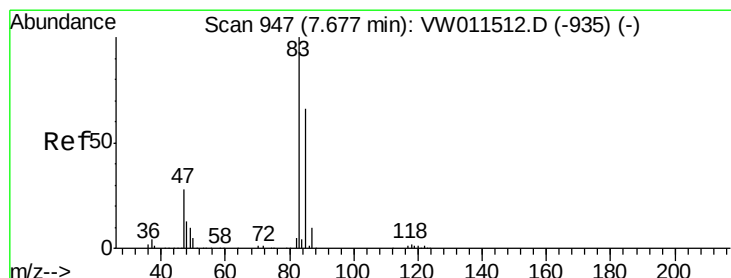
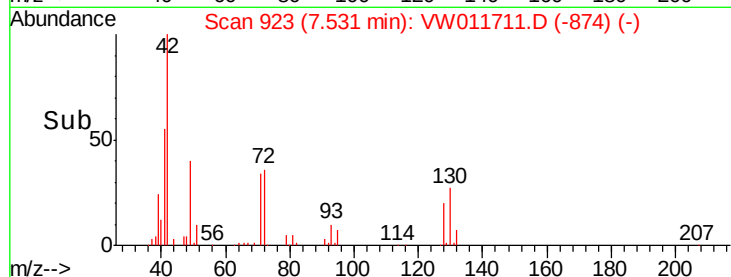
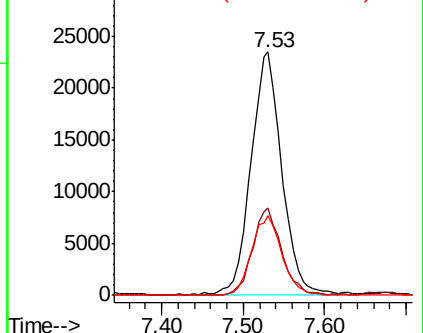


Abundance

Ion 42.00 (41.70 to 42.70): VW

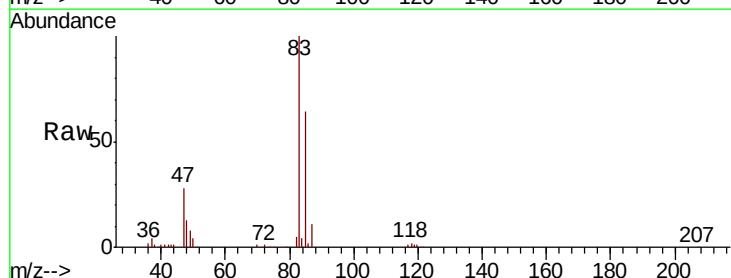
Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



#30
Chloroform
Concen: 20.396 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW011711.D
Acq: 05 Aug 2019 16:05

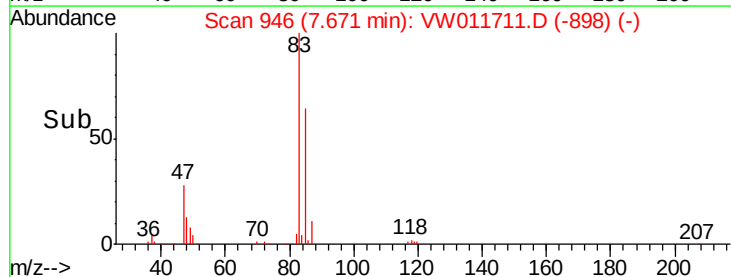
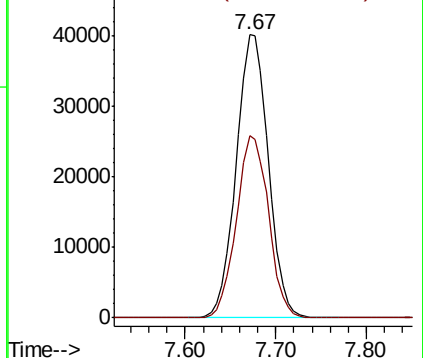
Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.5	78.7

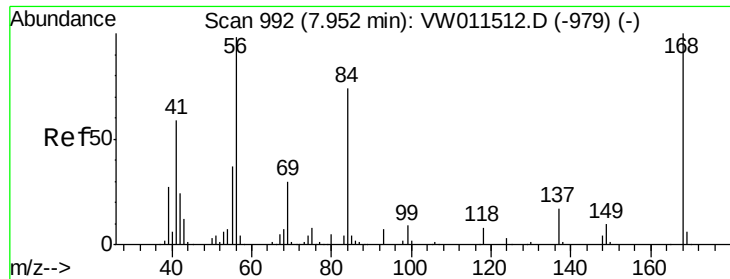


Abundance

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

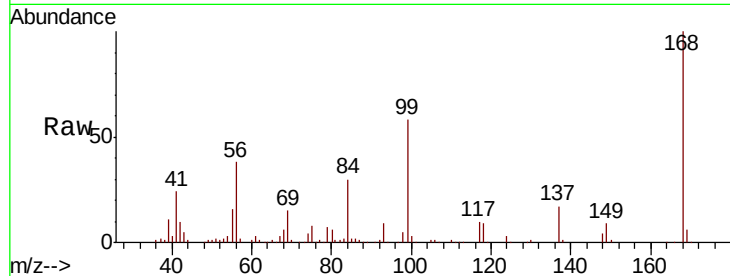




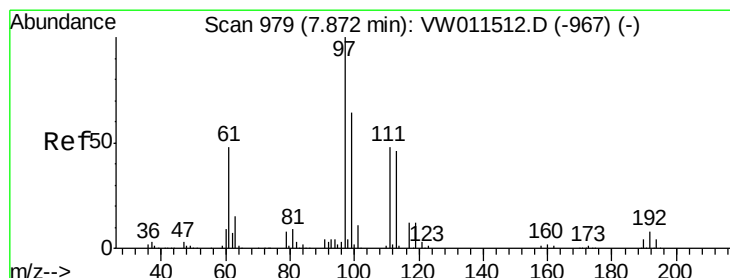
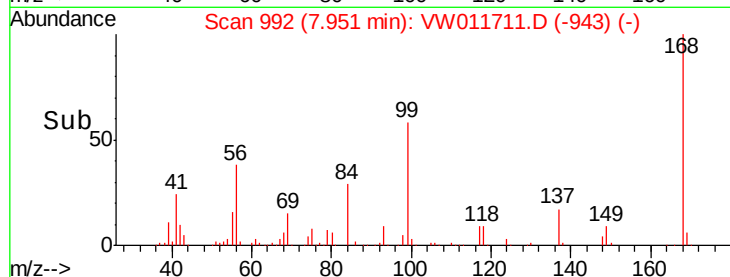
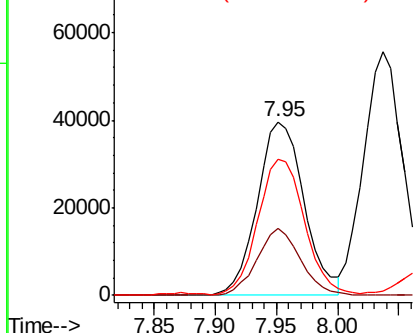
#31
Cyclohexane
Concen: 21.028 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW011711.D
Acq: 05 Aug 2019 16:05

Instrument :
MSVOA_W
ClientSampleId :
VW0806SBSD01

Tot Ion	56	Resp	105984
Ion Ratio	56	100	
Lower	69	38.7	24.3
Upper	84	77.5	60.4
			90.6

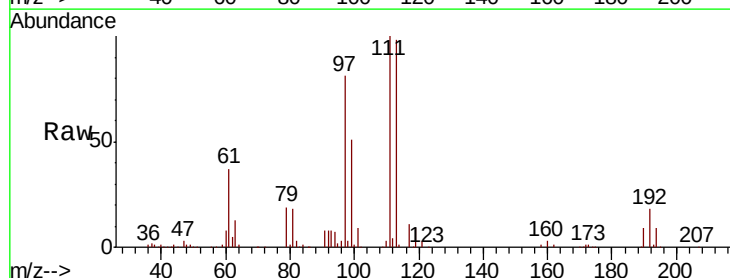


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

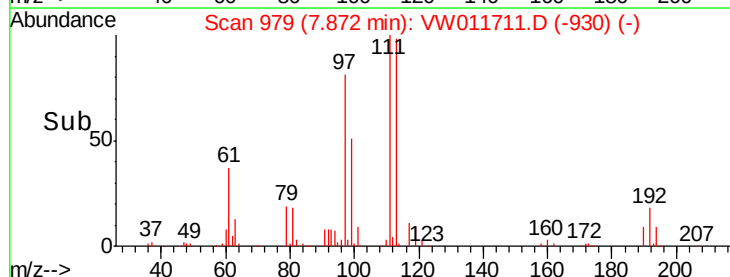
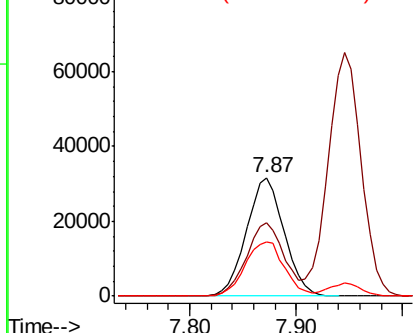


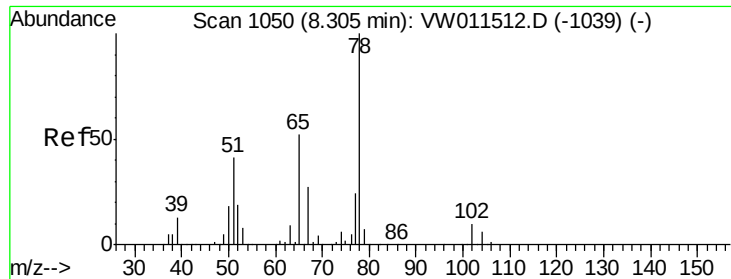
#32
1,1,1-Trichloroethane
Concen: 21.318 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW011711.D
Acq: 05 Aug 2019 16:05

Tgt Ion	97	Resp	78641
Ion Ratio	97	100	
Lower	99	61.3	51.0
Upper	61	48.0	39.8
			59.6



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

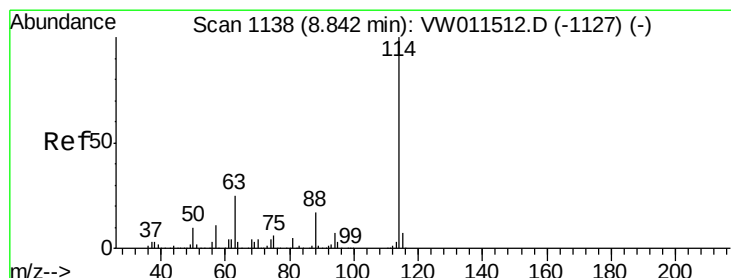
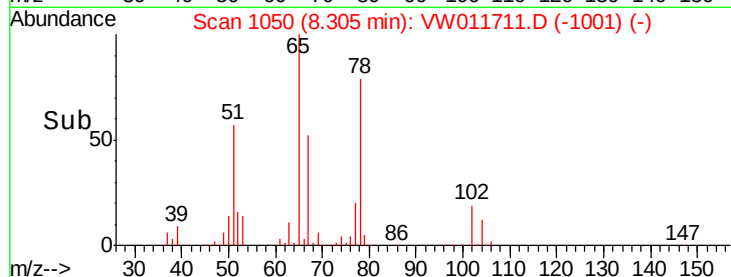
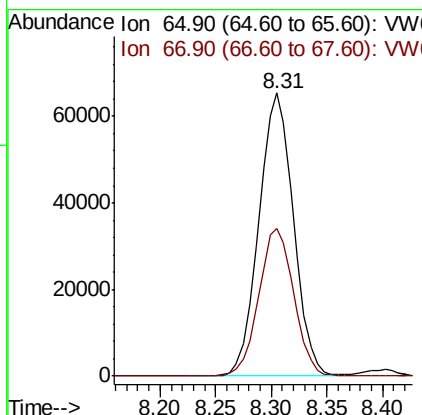
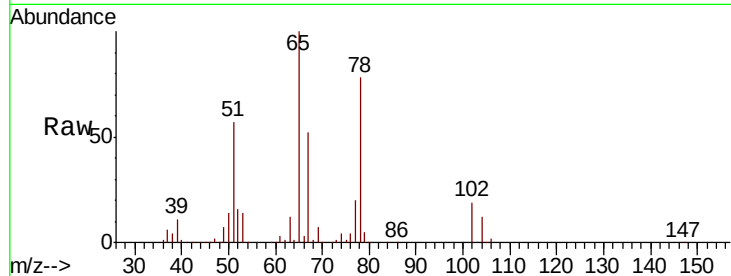




#33
 1,2-Dichloroethane-d4
 Concen: 52.493 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011711.D
 Acq: 05 Aug 2019 16:05

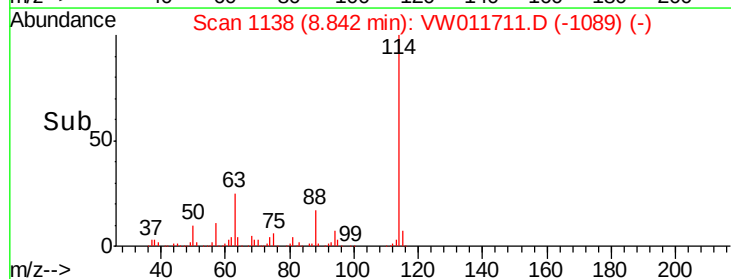
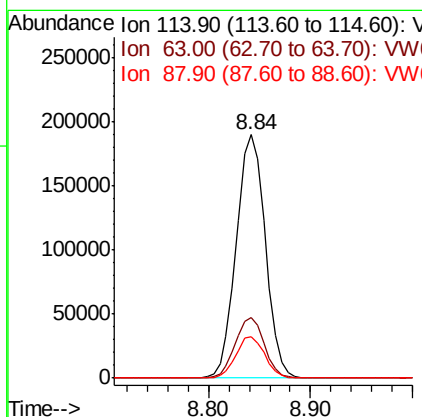
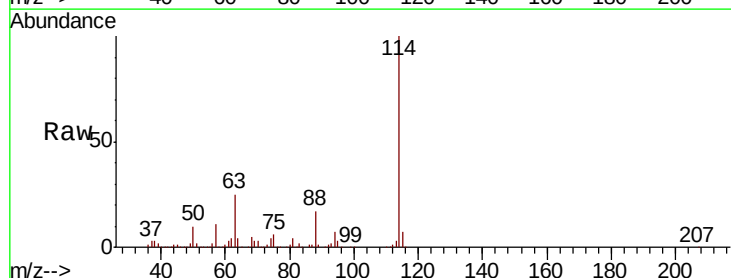
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0806SBSD01

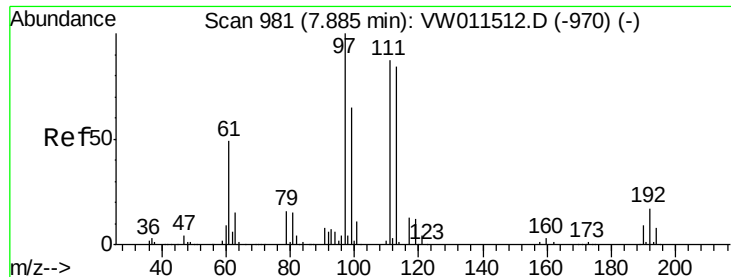
Tot Ion: 65 Resp: 141498
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011711.D
 Acq: 05 Aug 2019 16:05

Tgt Ion: 114 Resp: 375387
 Ion Ratio Lower Upper
 114 100
 63 25.1 0.0 49.2
 88 16.8 0.0 33.8

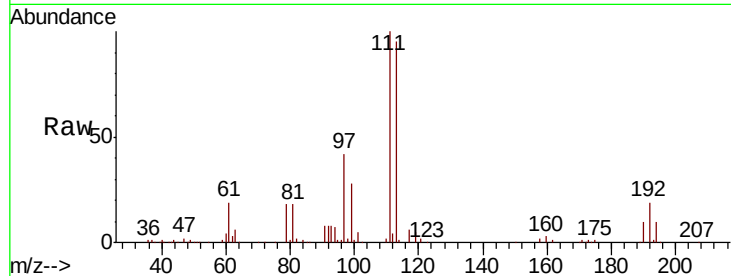




#35
 Dibromofluoromethane
 Concen: 54.270 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011711.D
 Acq: 05 Aug 2019 16:05

Instrument :
 MSVOA_W
 ClientSampled :
 VW0806SBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.7	124.1
192	20.1	16.1	24.1

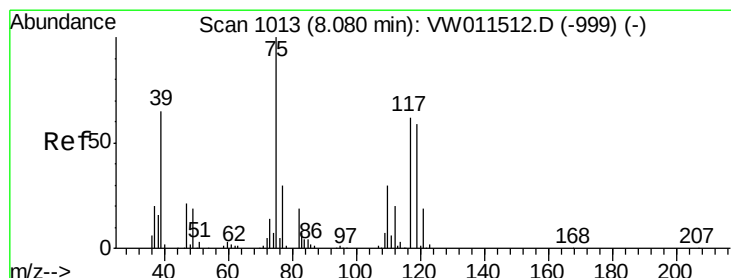
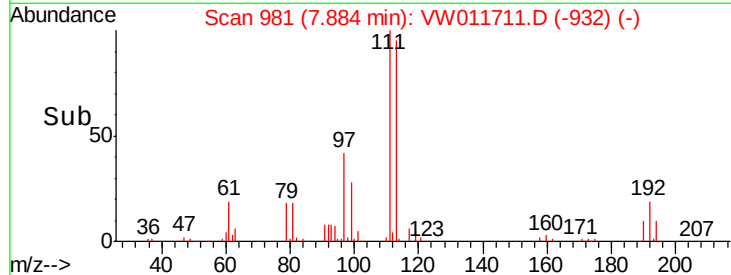
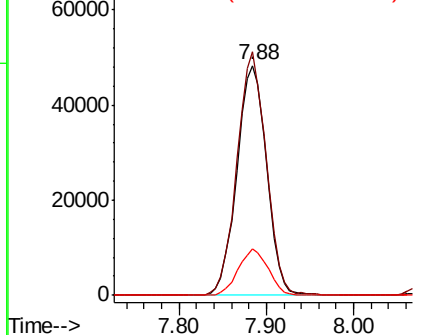


Abundance

Ion 112.80 (112.50 to 113.50): V

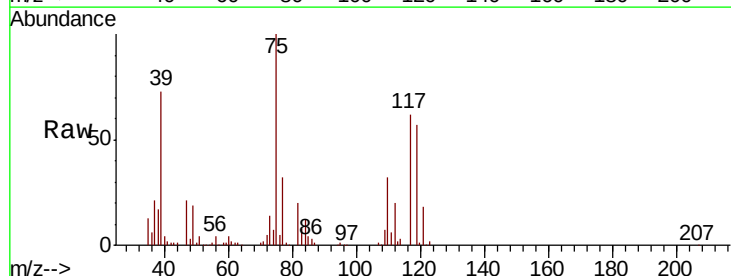
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 21.350 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW011711.D
 Acq: 05 Aug 2019 16:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.0	15.6	46.8
77	30.9	24.3	36.5

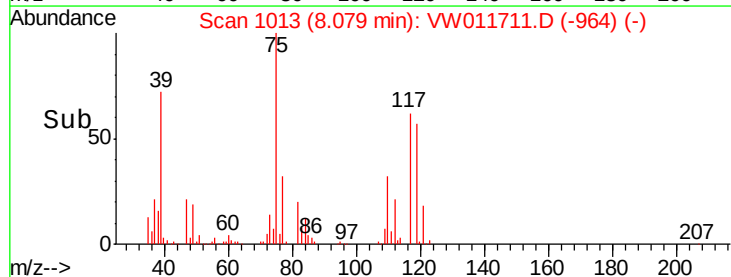
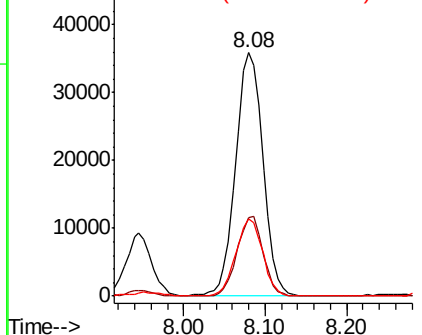


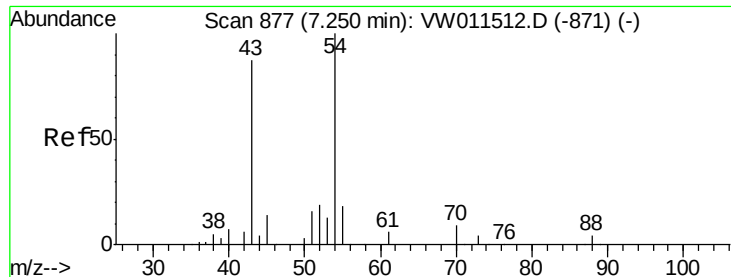
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

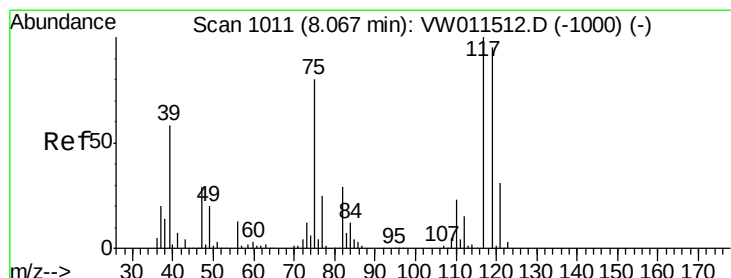
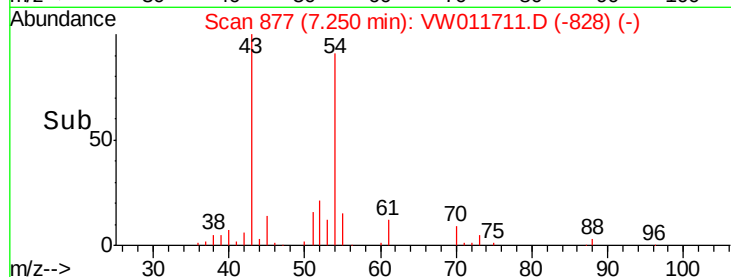
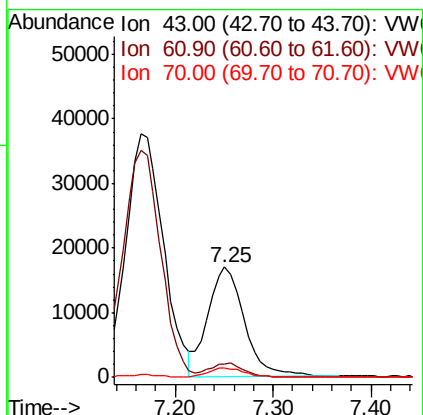
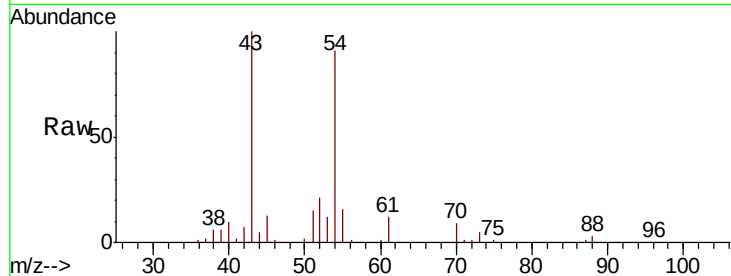




#37
Ethyl Acetate
Concen: 19.622 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW011711.D
Acq: 05 Aug 2019 16:05

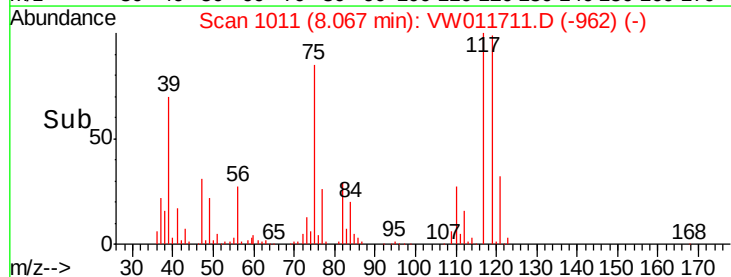
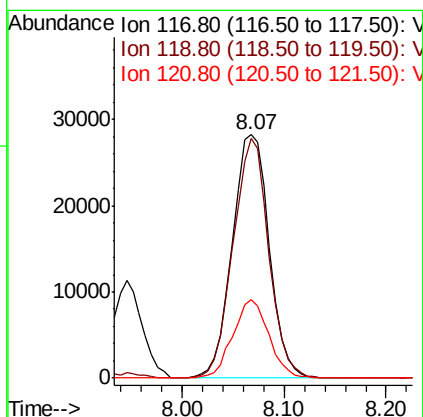
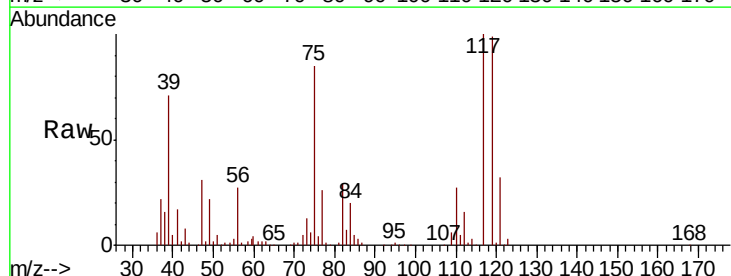
Instrument :
MSVOA_W
ClientSampleId :
VW0806SBS01

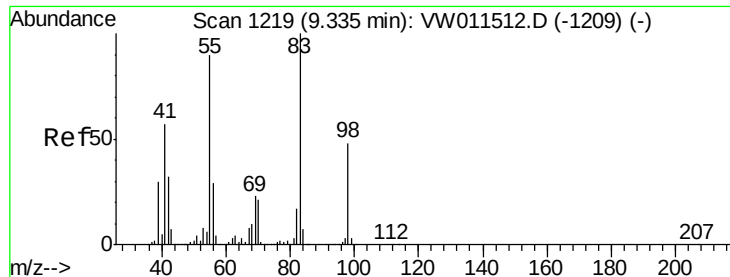
Tot Ion: 43 Resp: 44065
Ion Ratio Lower Upper
43 100
61 12.4 8.8 13.2
70 8.5 7.1 10.7



#38
Carbon Tetrachloride
Concen: 21.231 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW011711.D
Acq: 05 Aug 2019 16:05

Tgt Ion: 117 Resp: 70943
Ion Ratio Lower Upper
117 100
119 98.7 75.8 113.6
121 32.0 24.7 37.1

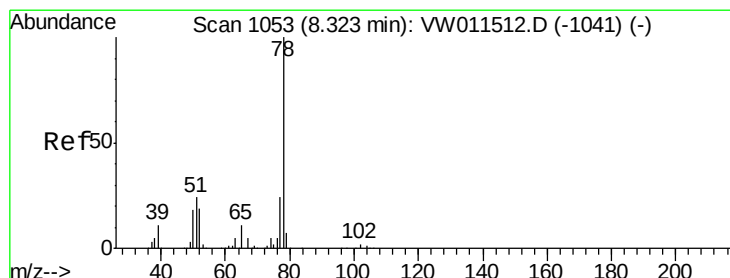
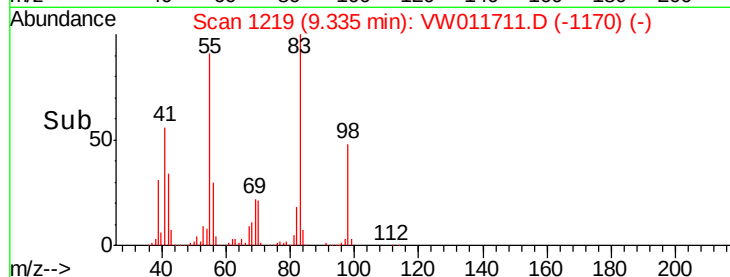
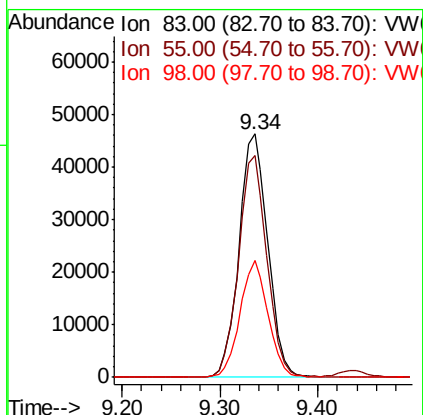
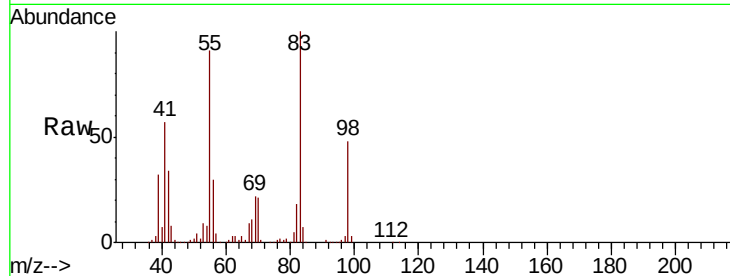




#39
Methylvlcyclohexane
Concen: 21.995 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW011711.D
Acq: 05 Aug 2019 16:05

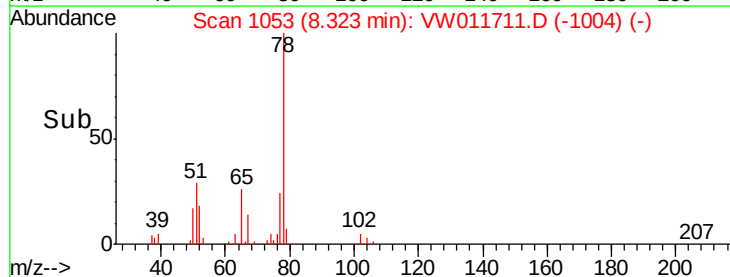
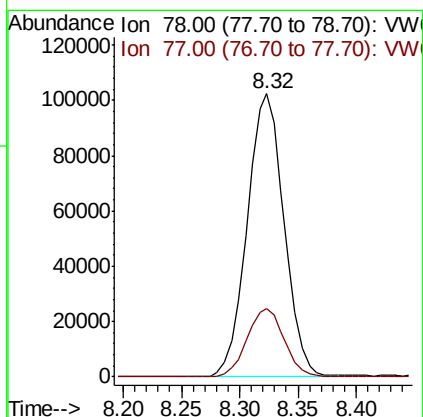
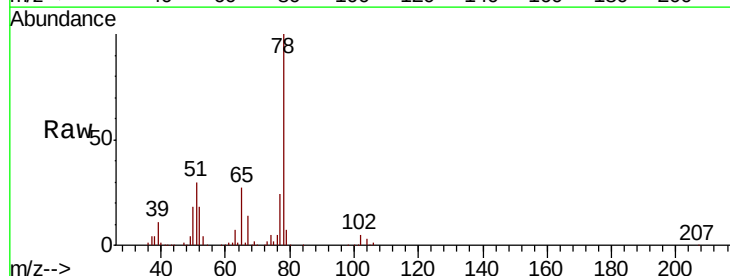
Instrument :
MSVOA_W
ClientSampleId :
VW0806SBSD01

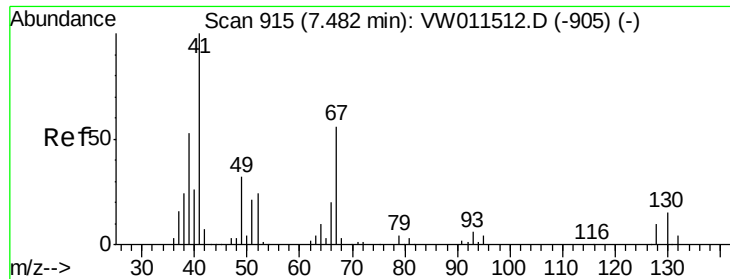
Tot Ion: 83 Resp: 94535
Ion Ratio Lower Upper
83 100
55 91.1 72.1 108.1
98 48.2 38.6 57.8



#40
Benzene
Concen: 20.652 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW011711.D
Acq: 05 Aug 2019 16:05

Tgt Ion: 78 Resp: 225799
Ion Ratio Lower Upper
78 100
77 24.4 19.4 29.0





#41

Methacrylonitrile

Concen: 19.098 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW011711.D

Acq: 05 Aug 2019 16:05

Instrument :

MSVOA_W

ClientSampleId :

VW0806SBSD01

Tot Ion: 41 Resp: 25637

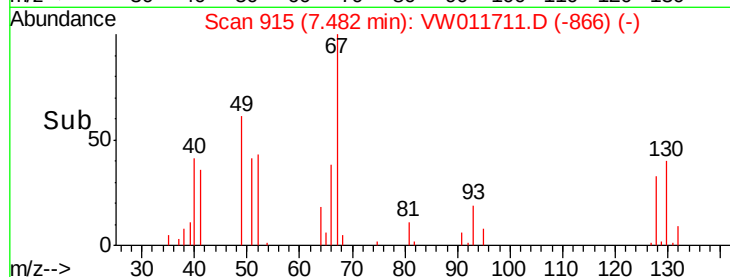
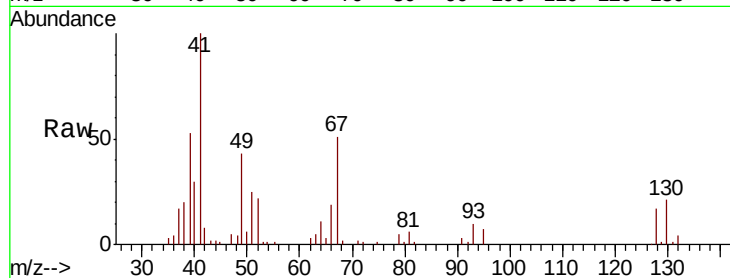
Ion Ratio Lower Upper

41 100

39 55.1 43.0 64.4

67 59.8 47.5 71.3

52 28.4 21.0 31.6

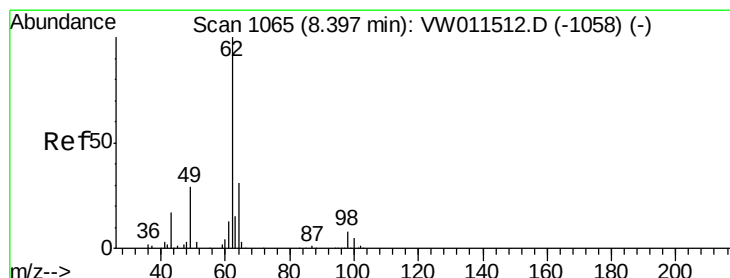
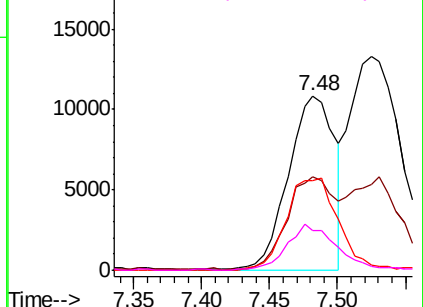


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 20.564 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW011711.D

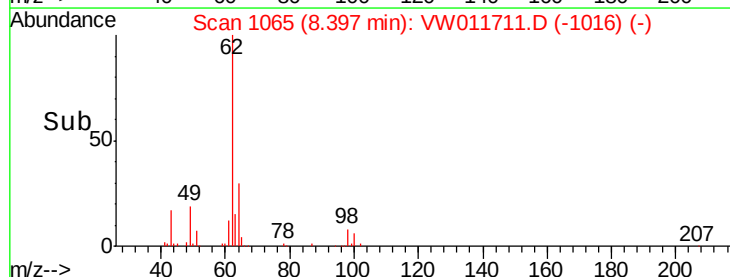
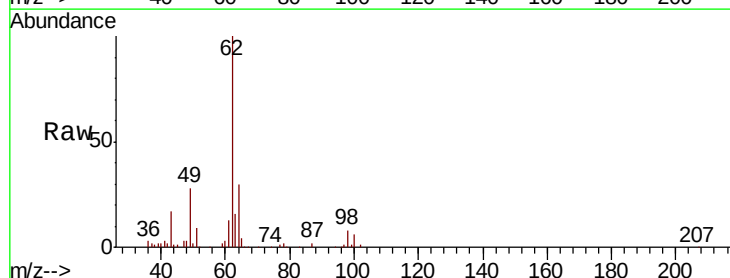
Acq: 05 Aug 2019 16:05

Tgt Ion: 62 Resp: 70393

Ion Ratio Lower Upper

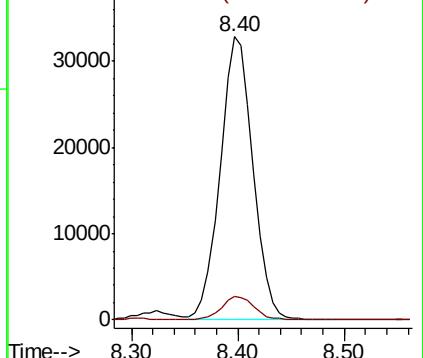
62 100

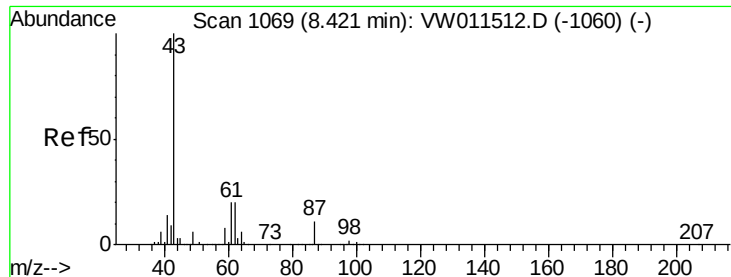
98 8.4 0.0 16.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 19.307 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW011711.D

Acq: 05 Aug 2019 16:05

Instrument :

MSVOA_W

ClientSampleId :

VW0806SBS01

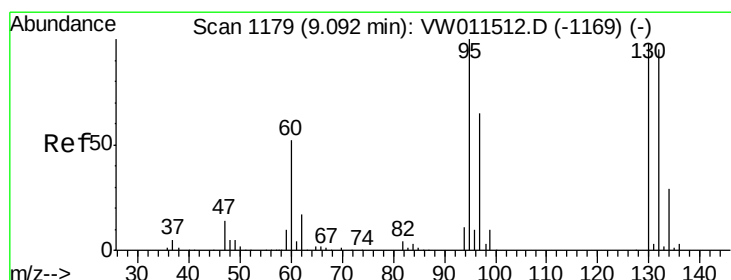
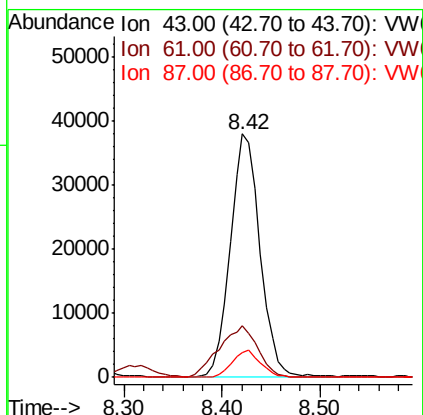
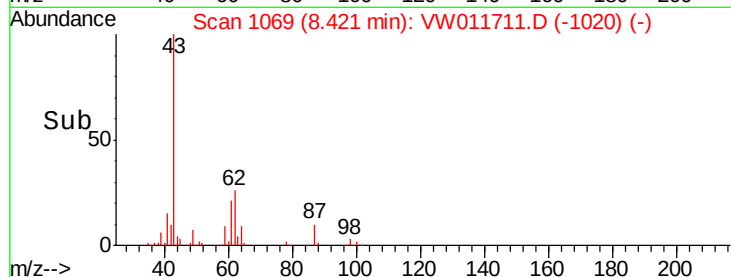
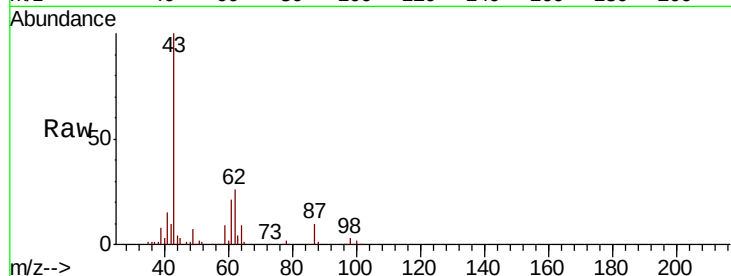
Tot Ion: 43 Resp: 79739

Ion Ratio Lower Upper

43 100

61 27.0 21.5 32.3

87 10.7 8.4 12.6



#44

Trichloroethene

Concen: 21.341 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW011711.D

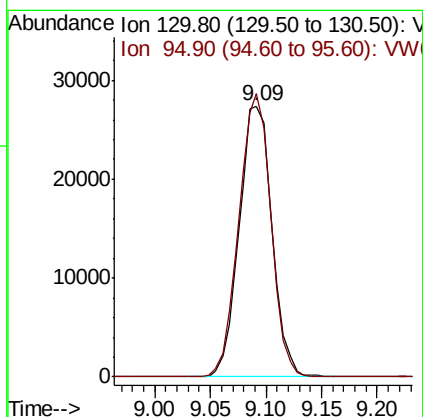
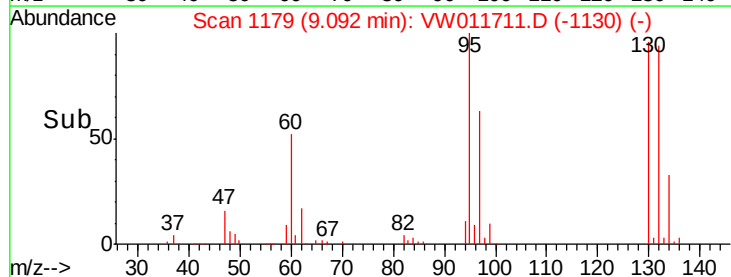
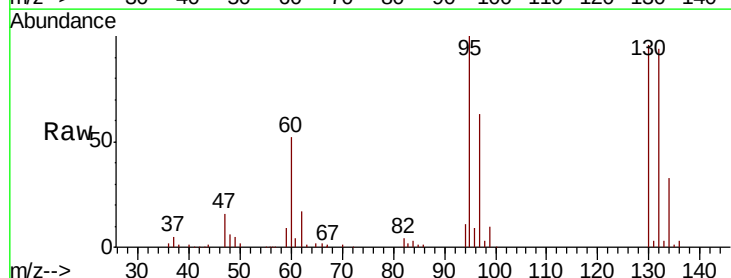
Acq: 05 Aug 2019 16:05

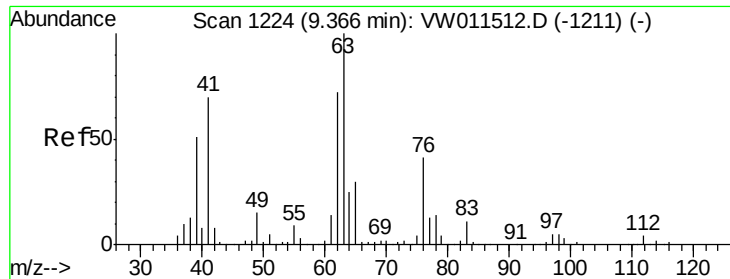
Tgt Ion: 130 Resp: 56080

Ion Ratio Lower Upper

130 100

95 104.4 0.0 204.8

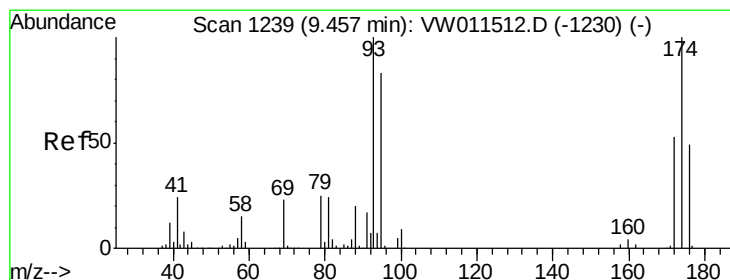
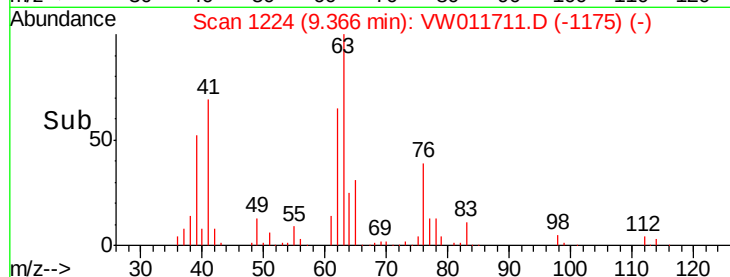
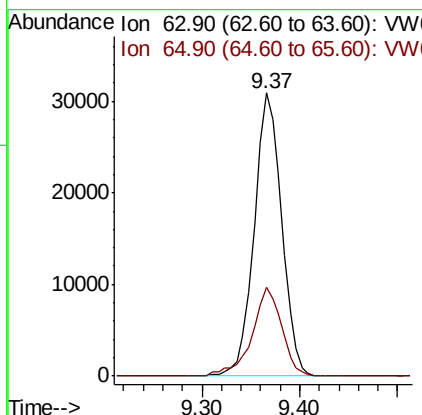
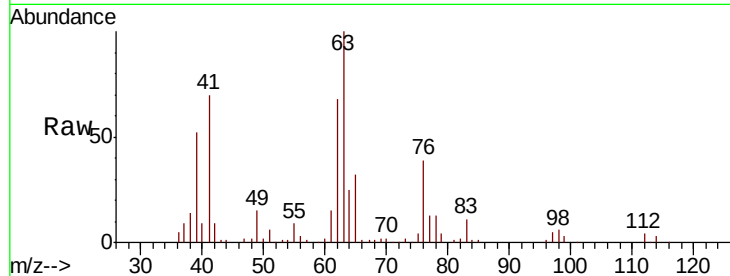




#45
 1,2-Dichloropropane
 Concen: 20.600 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011711.D
 Acq: 05 Aug 2019 16:05

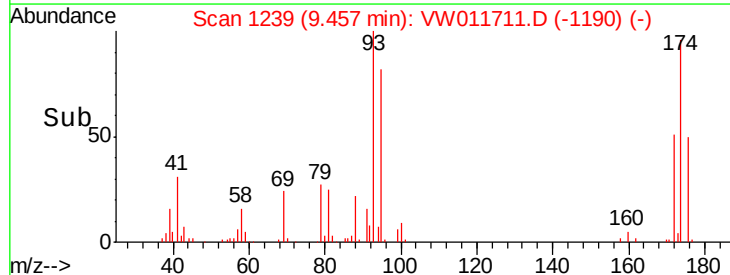
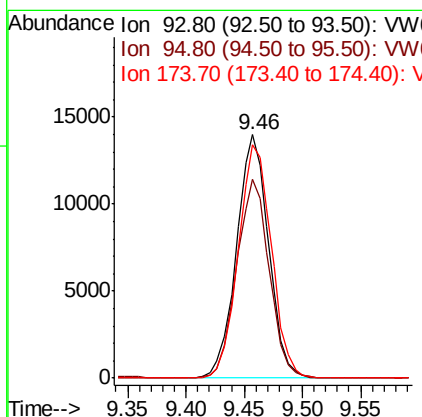
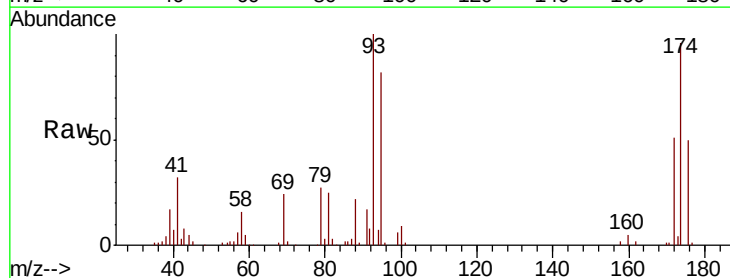
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0806SBSD01

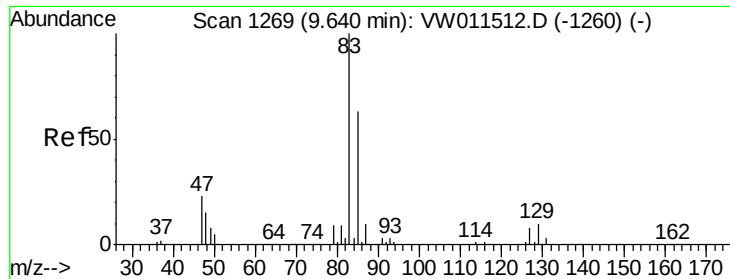
Tot Ion: 63 Resp: 60264
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.2 36.4



#46
 Dibromomethane
 Concen: 20.051 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW011711.D
 Acq: 05 Aug 2019 16:05

Tgt Ion: 93 Resp: 26772
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.2 99.2
 174 99.1 78.2 117.4

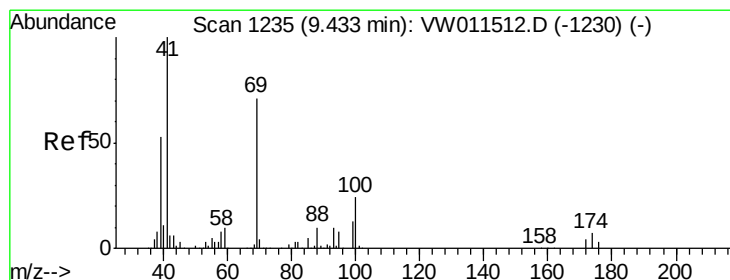
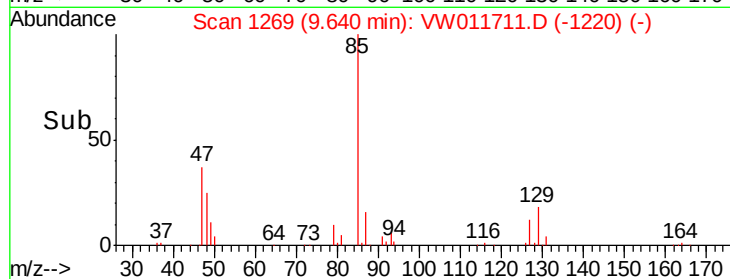
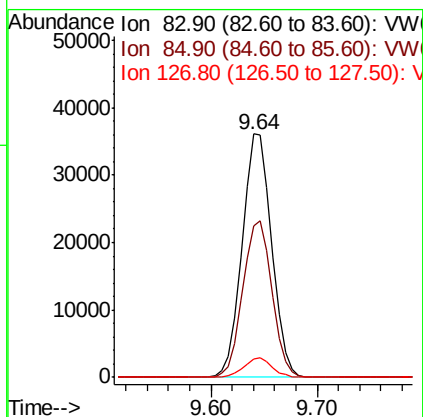
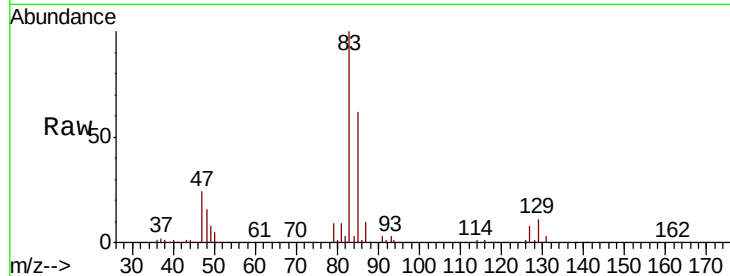




#47
 Bromodichloromethane
 Concen: 20.070 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW011711.D
 Acq: 05 Aug 2019 16:05

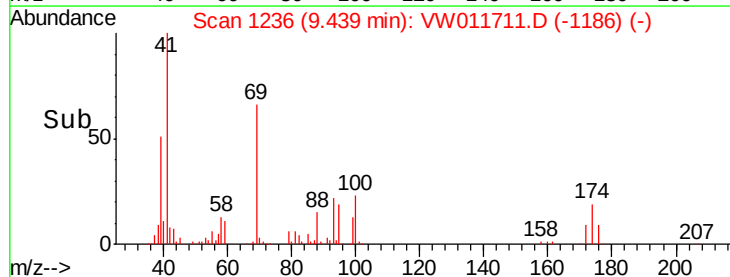
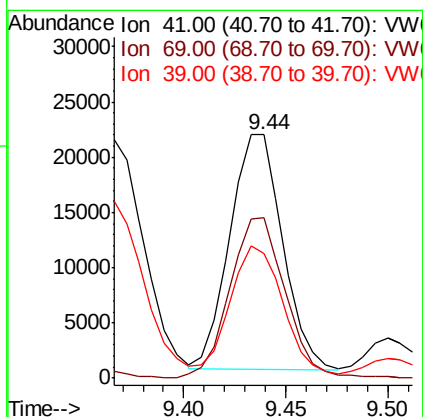
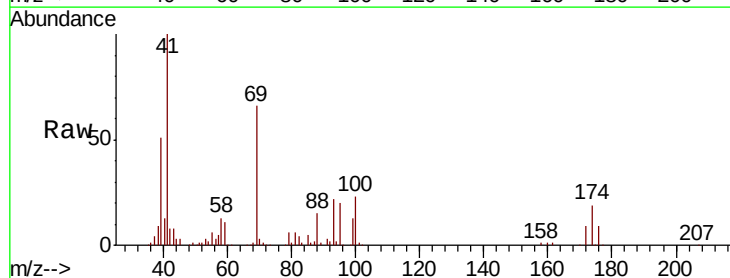
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0806SBSD01

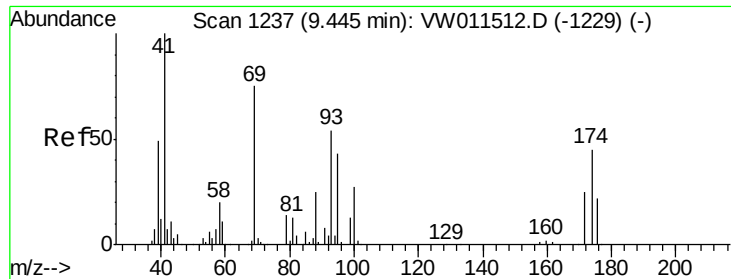
Tot Ion	83	Resp	70295
Ion Ratio	100		
85	62.4	50.5	75.7
127	7.6	6.4	9.6



#48
 Methyl methacrylate
 Concen: 19.243 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. 0.01 min
 Lab File: VW011711.D
 Acq: 05 Aug 2019 16:05

Tgt Ion	41	Resp	38177
Ion Ratio	100		
69	72.1	57.1	85.7
39	54.0	45.4	68.2





#49

1,4-Dioxane

Concen: 429.986 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW011711.D

Acq: 05 Aug 2019 16:05

Instrument :

MSVOA_W

ClientSampleId :

VW0806SBSD01

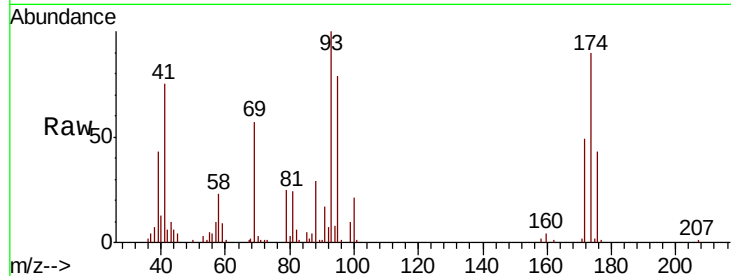
Tot Ion: 88 Resp: 8313

Ion Ratio Lower Upper

88 100

43 40.3 34.0 51.0

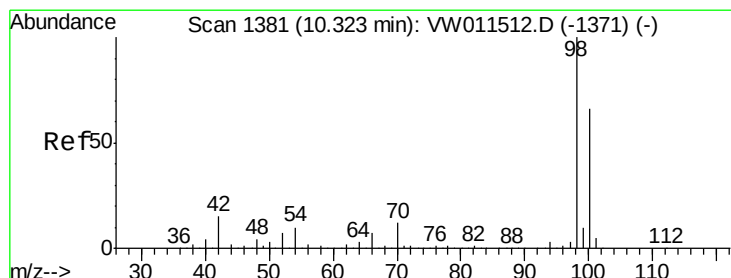
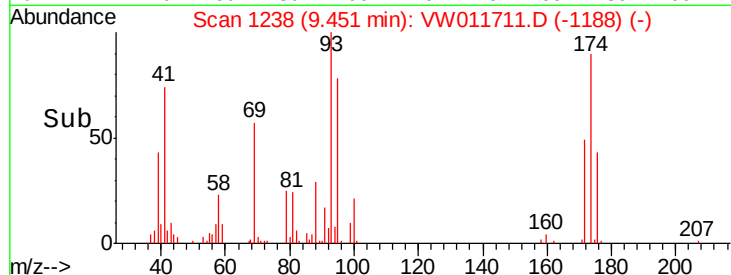
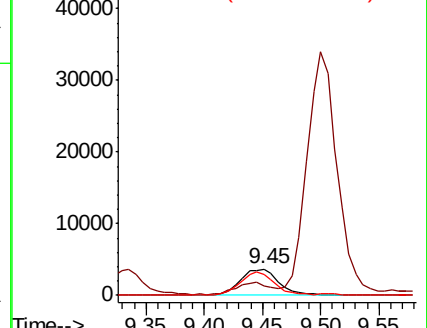
58 82.8 69.7 104.5



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: 54.989 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011711.D

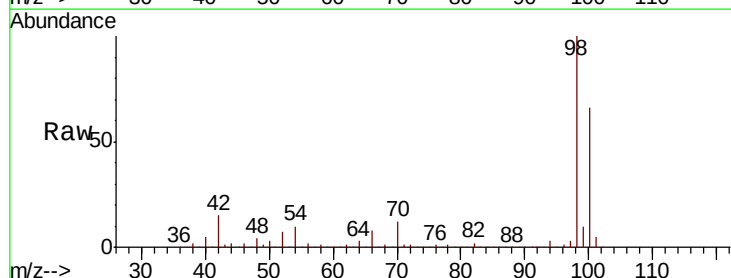
Acq: 05 Aug 2019 16:05

Tgt Ion: 98 Resp: 474141

Ion Ratio Lower Upper

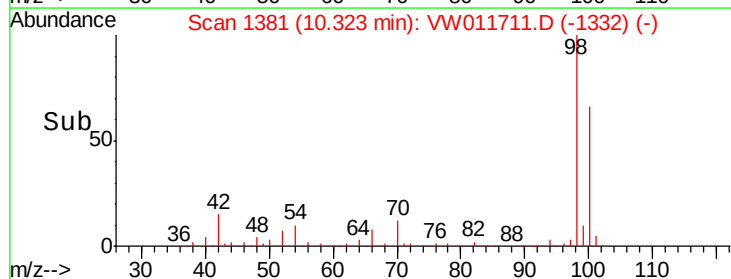
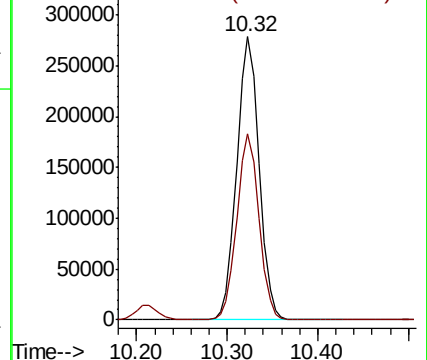
98 100

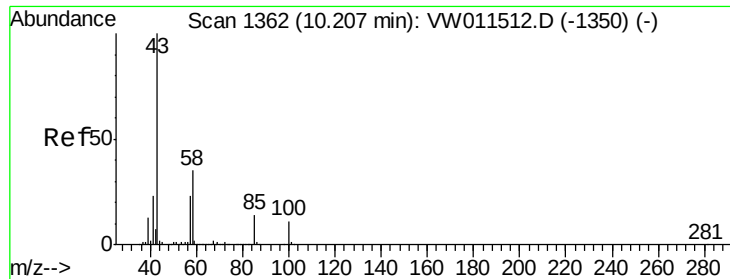
100 65.2 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

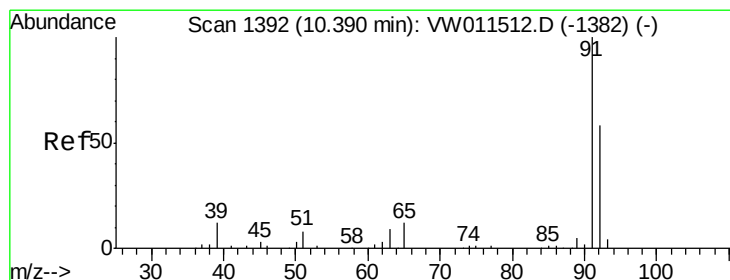
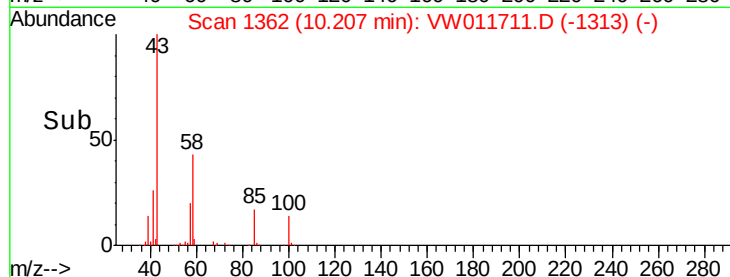
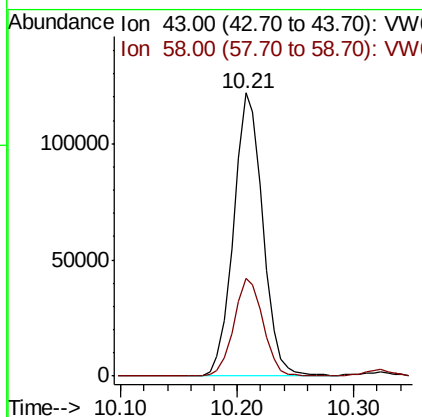
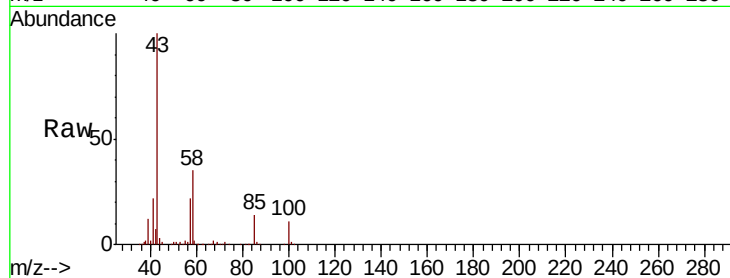




#51
4-Methyl-2-Pentanone
Concen: 98.680 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW011711.D
Acq: 05 Aug 2019 16:05

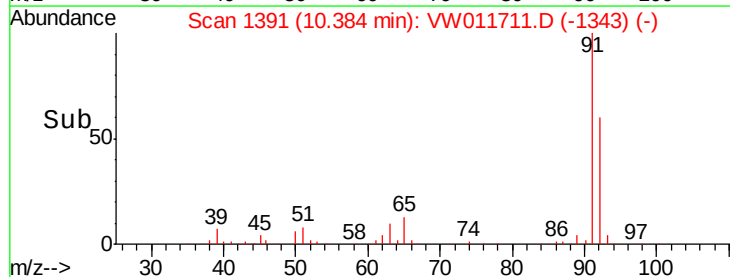
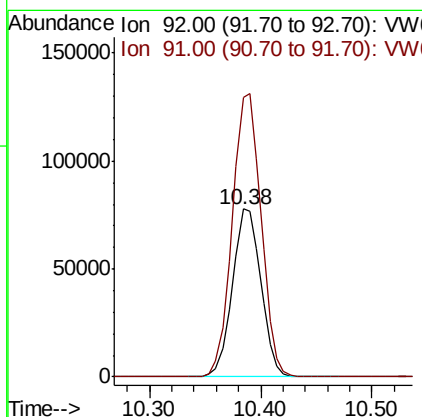
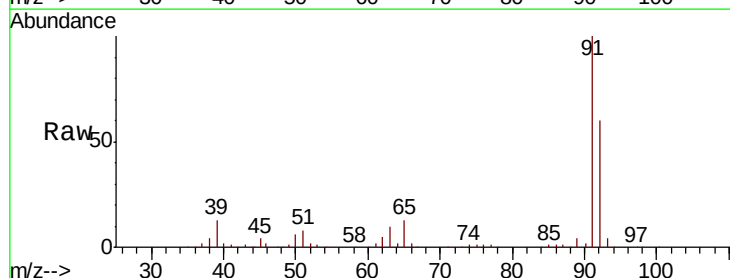
Instrument :
MSVOA_W
ClientSampleId :
VW0806SBS01

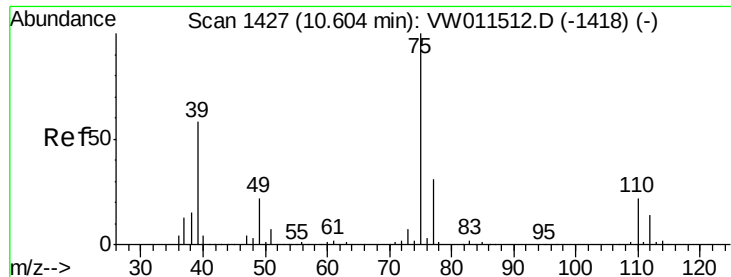
Tot Ion: 43 Resp: 211986
Ion Ratio Lower Upper
43 100
58 34.7 28.2 42.2



#52
Toluene
Concen: 20.916 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW011711.D
Acq: 05 Aug 2019 16:05

Tgt Ion: 92 Resp: 138099
Ion Ratio Lower Upper
92 100
91 170.2 136.7 205.1

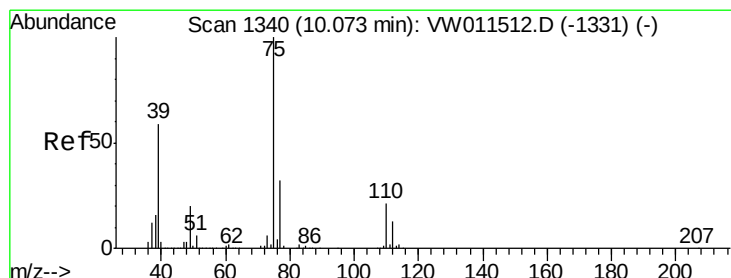
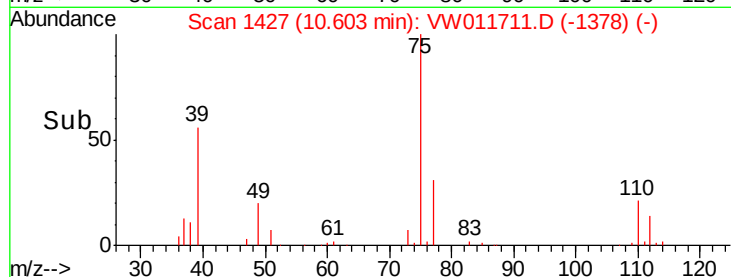
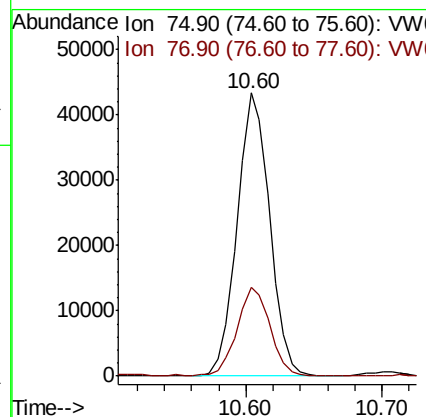
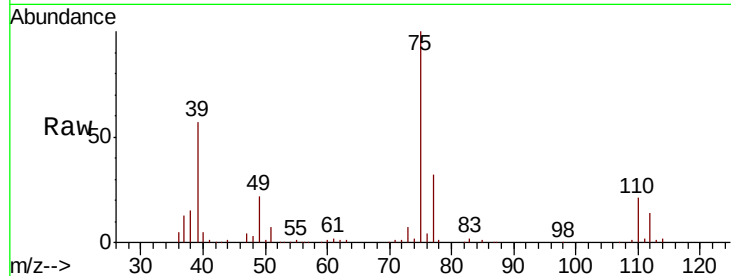




#53
 t-1,3-Dichloropropene
 Concen: 19.774 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW011711.D
 Acq: 05 Aug 2019 16:05

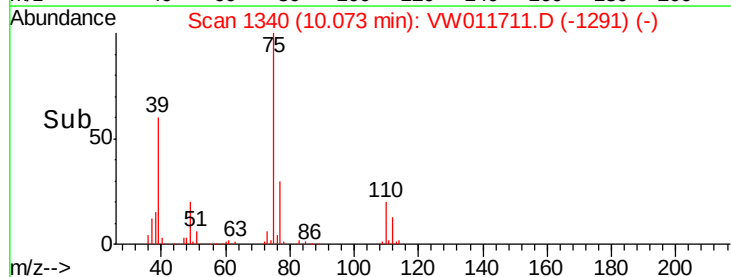
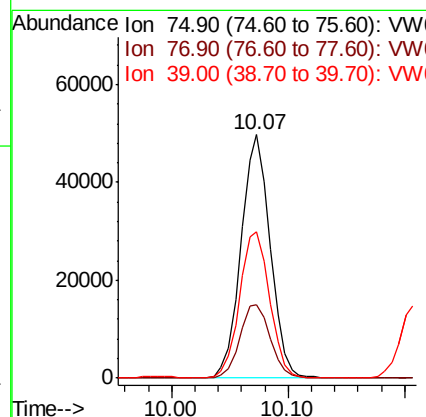
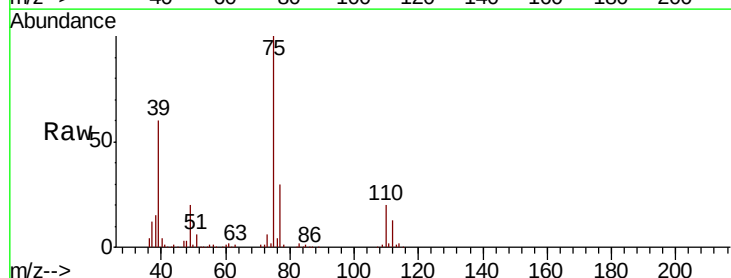
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0806SBSD01

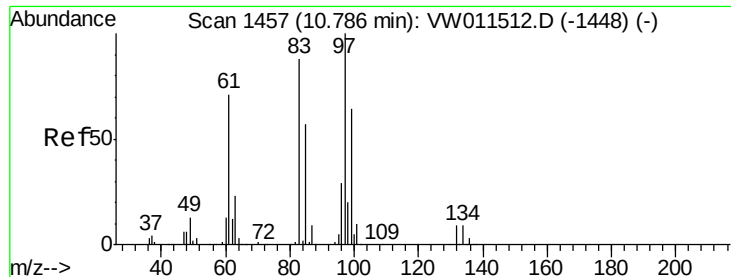
Tot Ion: 75 Resp: 72347
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.0 37.4



#54
 cis-1,3-Dichloropropene
 Concen: 20.007 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW011711.D
 Acq: 05 Aug 2019 16:05

Tgt Ion: 75 Resp: 87036
 Ion Ratio Lower Upper
 75 100
 77 29.9 25.6 38.4
 39 59.7 47.0 70.4

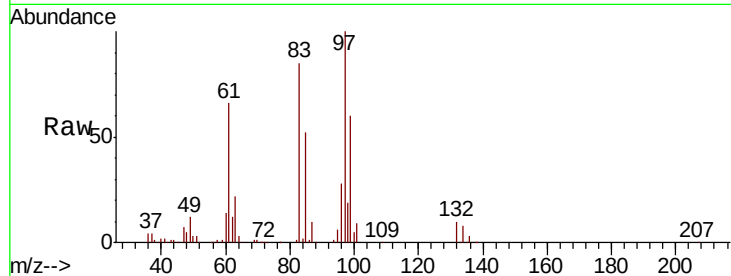




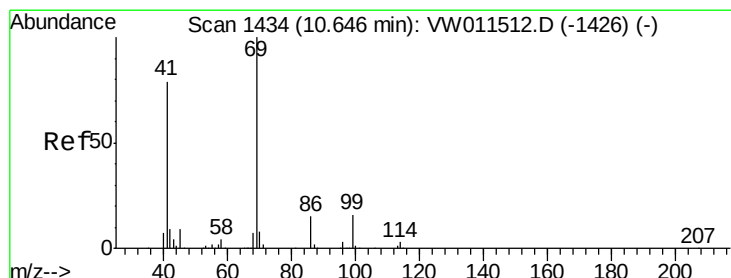
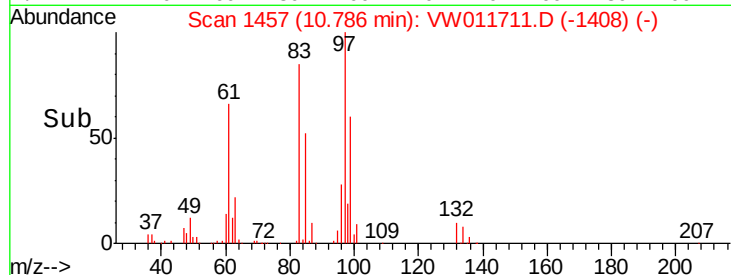
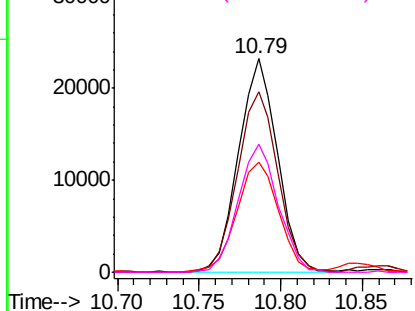
#55
 1,1,2-Trichloroethane
 Concen: 20.339 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011711.D
 Acq: 05 Aug 2019 16:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0806SBSD01

Tot Ion:	97	Resp:	38532
Ion	Ratio	Lower	Upper
97	100		
83	84.7	70.5	105.7
85	51.4	45.8	68.6
99	59.9	51.0	76.4

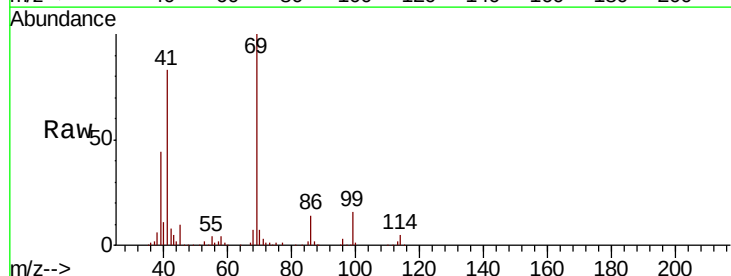


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

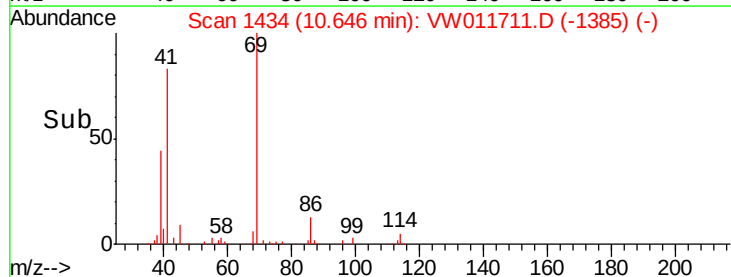
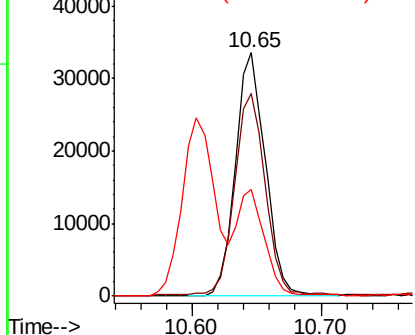


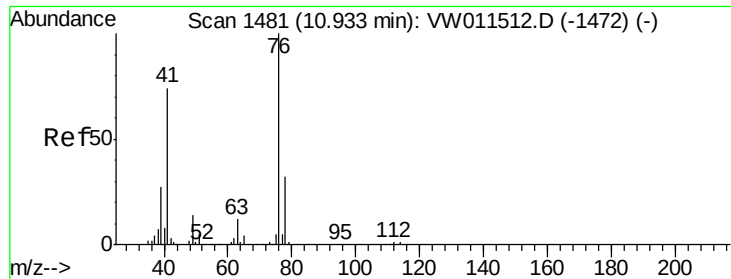
#56
 Ethyl methacrylate
 Concen: 19.563 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW011711.D
 Acq: 05 Aug 2019 16:05

Tgt Ion:	69	Resp:	54234
Ion	Ratio	Lower	Upper
69	100		
41	86.0	66.6	99.8
39	40.2	30.3	45.5



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

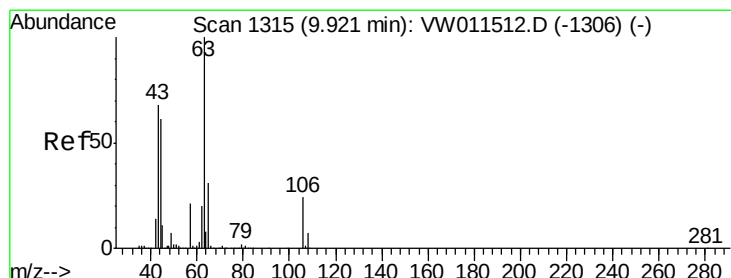
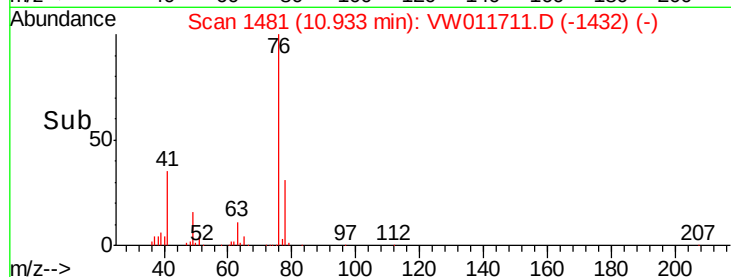
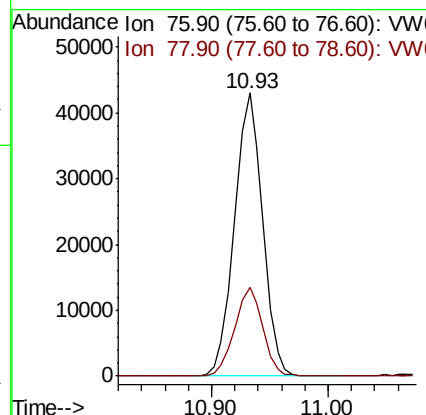
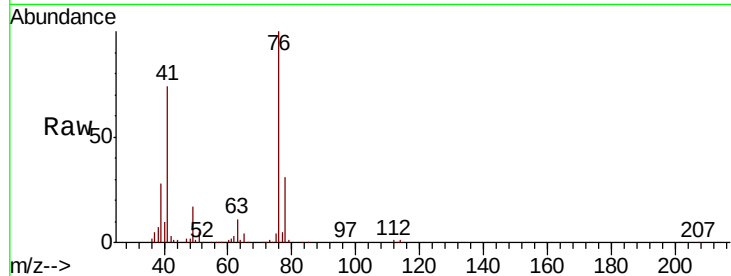




#57
 1,3-Dichloropropane
 Concen: 20.201 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW011711.D
 Acq: 05 Aug 2019 16:05

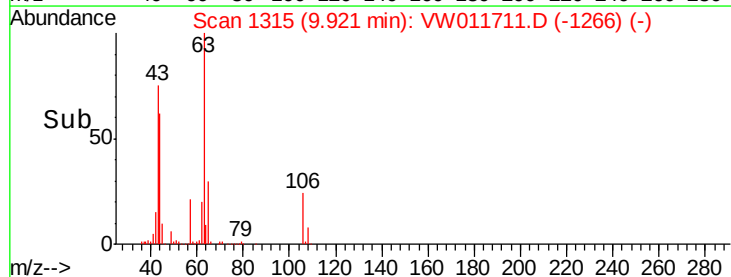
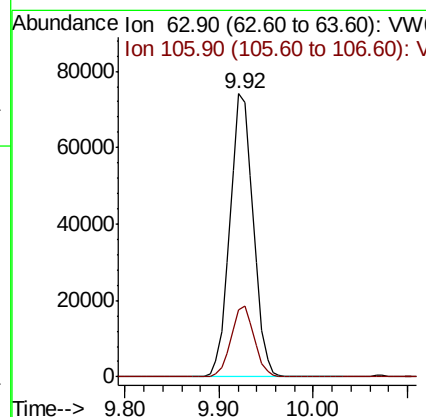
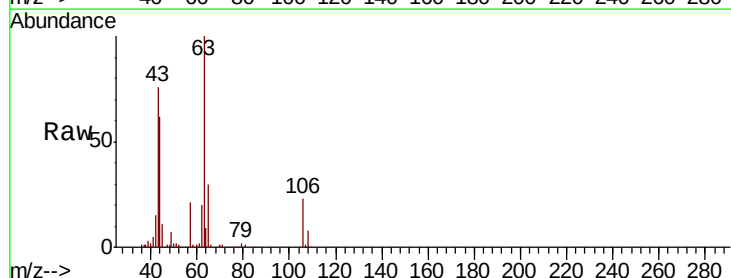
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0806SBSD01

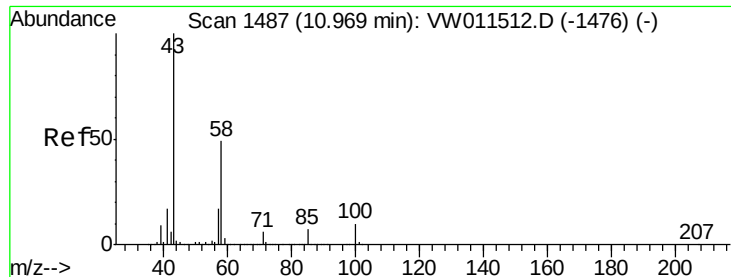
Tot Ion: 76 Resp: 72402
 Ion Ratio Lower Upper
 76 100
 78 31.1 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.456 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW011711.D
 Acq: 05 Aug 2019 16:05

Tgt Ion: 63 Resp: 127703
 Ion Ratio Lower Upper
 63 100
 106 24.7 19.7 29.5

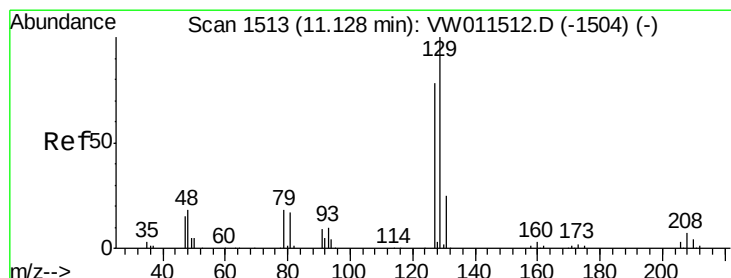
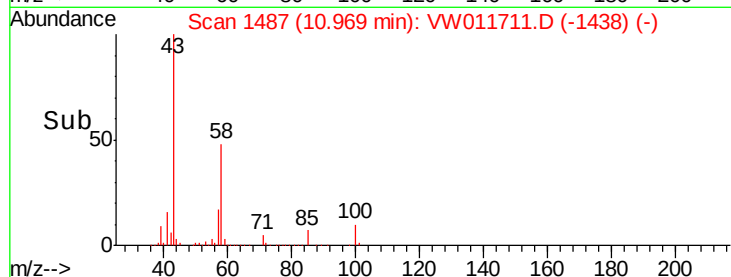
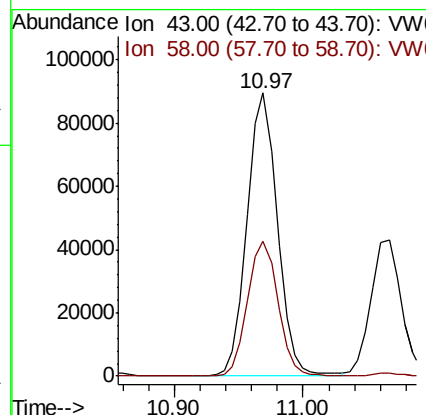
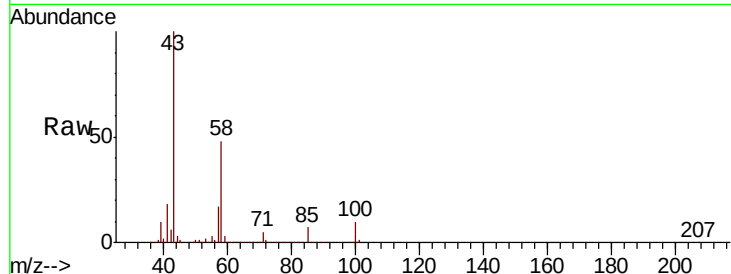




#59
2-Hexanone
Concen: 96.084 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011711.D
Acq: 05 Aug 2019 16:05

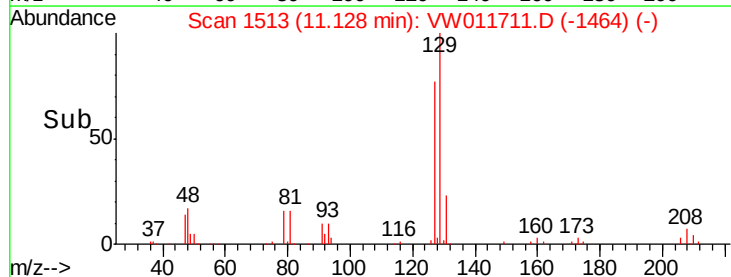
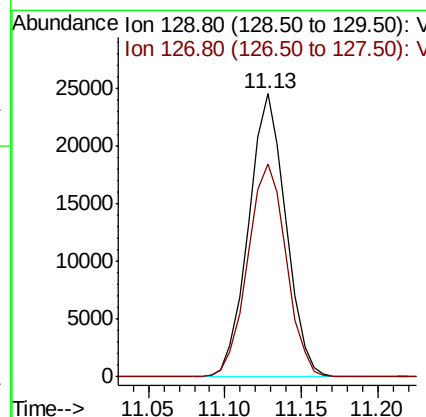
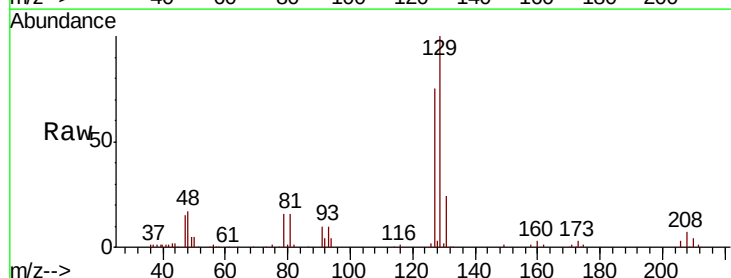
Instrument :
MSVOA_W
ClientSampleId :
VW0806SBSD01

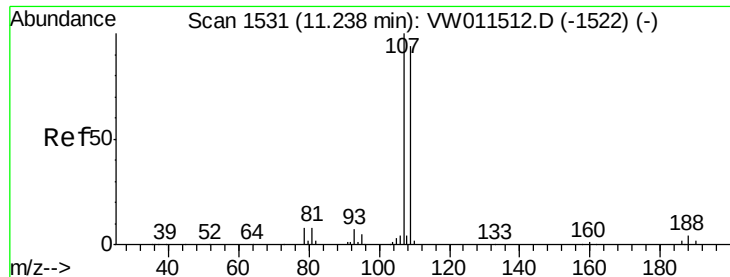
Tot Ion: 43 Resp: 145739
Ion Ratio Lower Upper
43 100
58 48.1 24.3 72.9



#60
Dibromochloromethane
Concen: 19.794 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011711.D
Acq: 05 Aug 2019 16:05

Tgt Ion: 129 Resp: 41625
Ion Ratio Lower Upper
129 100
127 77.7 38.9 116.7

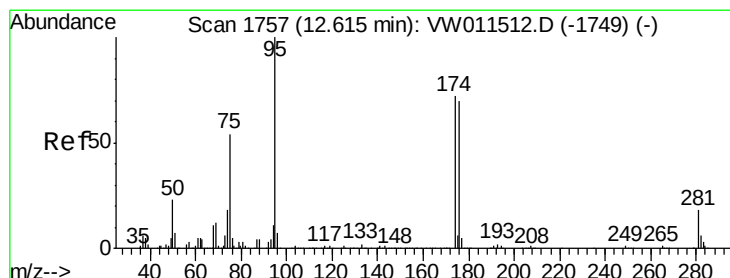
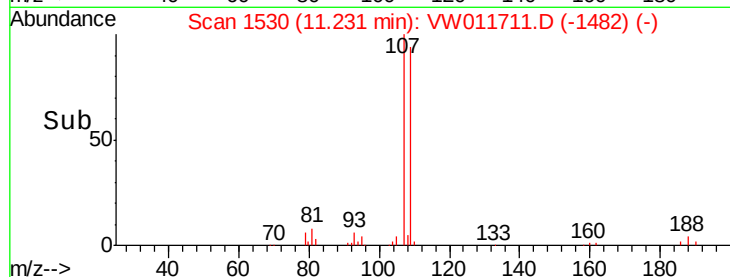
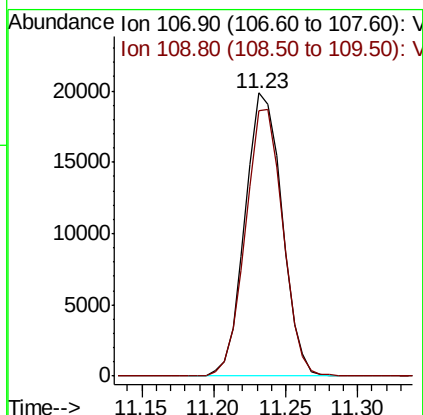
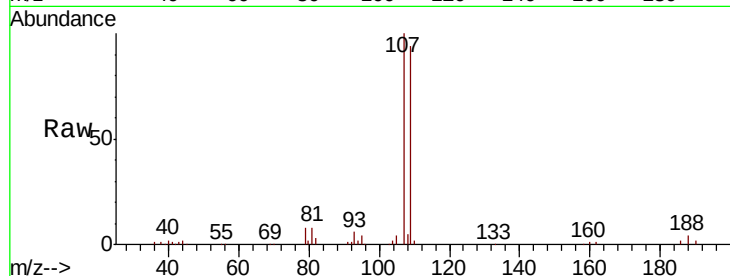




#61
 1,2-Dibromoethane
 Concen: 19.706 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW011711.D
 Acq: 05 Aug 2019 16:05

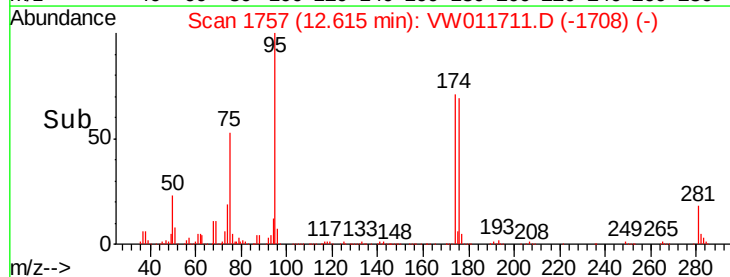
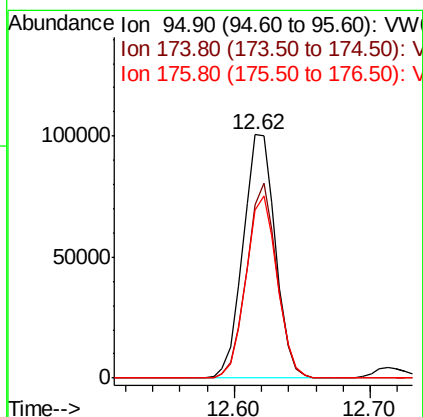
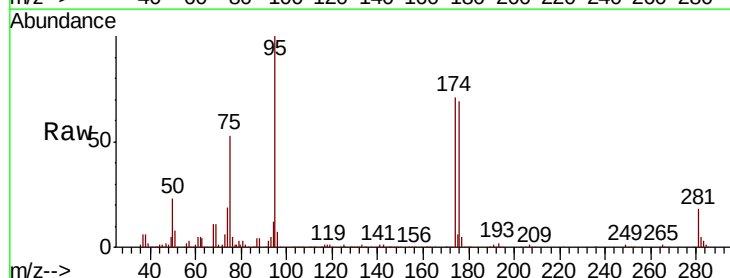
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0806SBSD01

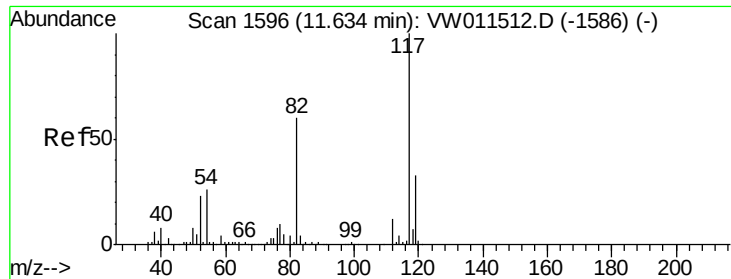
Tot Ion: 107 Resp: 35330
 Ion Ratio Lower Upper
 107 100
 109 94.9 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 54.303 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW011711.D
 Acq: 05 Aug 2019 16:05

Tgt Ion: 95 Resp: 166934
 Ion Ratio Lower Upper
 95 100
 174 75.2 0.0 150.2
 176 72.8 0.0 144.4

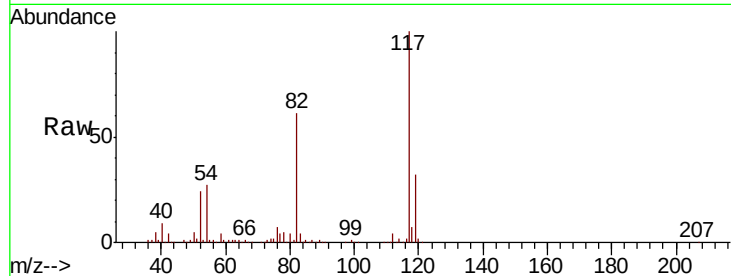




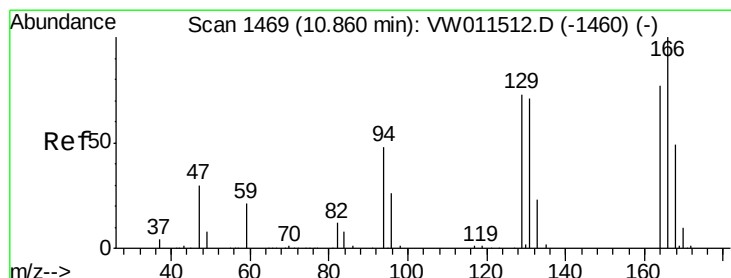
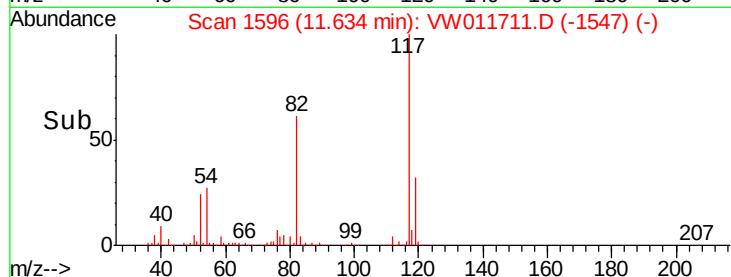
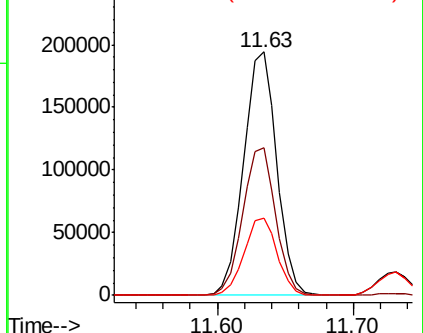
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011711.D
Acq: 05 Aug 2019 16:05

Instrument :
MSVOA_W
ClientSampleId :
VW0806SBSD01

Tot Ion:117 Resp: 330695
Ion Ratio Lower Upper
117 100
82 60.6 47.9 71.9
119 31.7 26.2 39.2

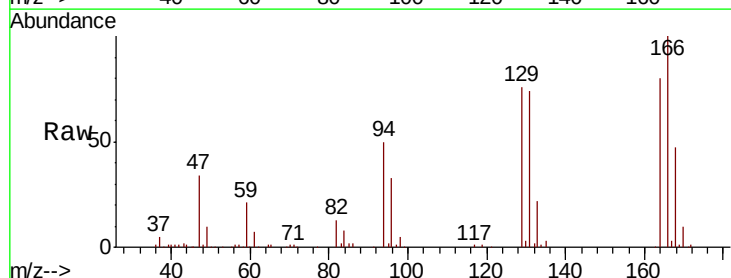


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

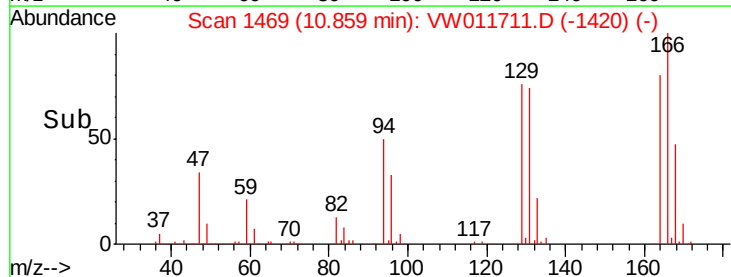
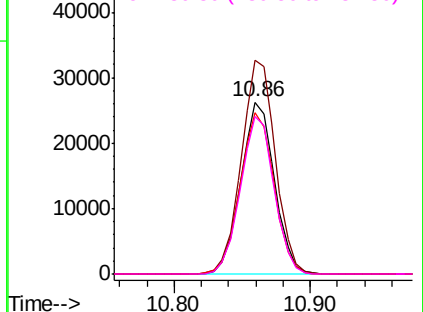


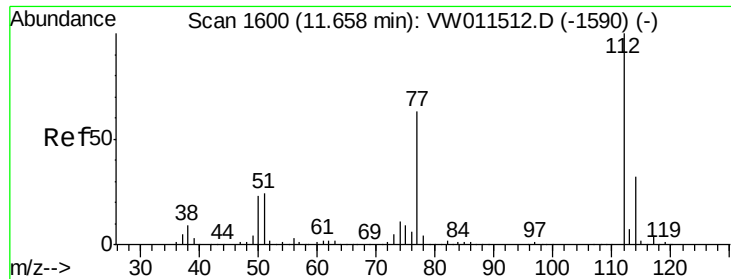
#64
Tetrachloroethene
Concen: 21.034 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011711.D
Acq: 05 Aug 2019 16:05

Tgt Ion:164 Resp: 45291
Ion Ratio Lower Upper
164 100
166 124.4 103.5 155.3
129 94.0 75.2 112.8
131 91.5 73.4 110.2



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

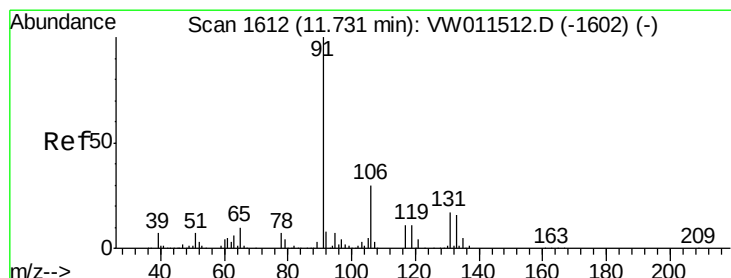
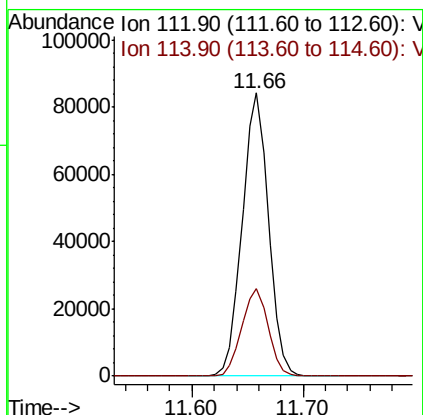
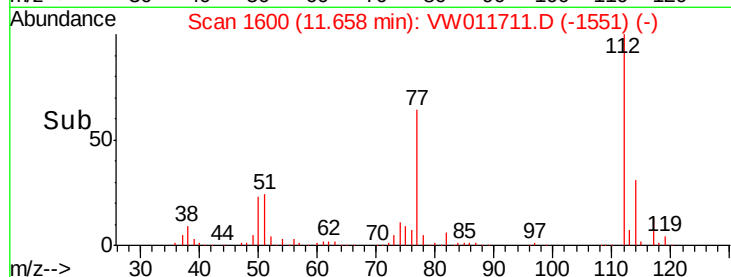
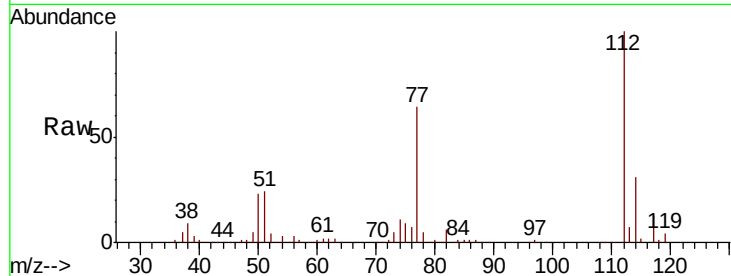




#65
Chlorobenzene
Concen: 20.743 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011711.D
Acq: 05 Aug 2019 16:05

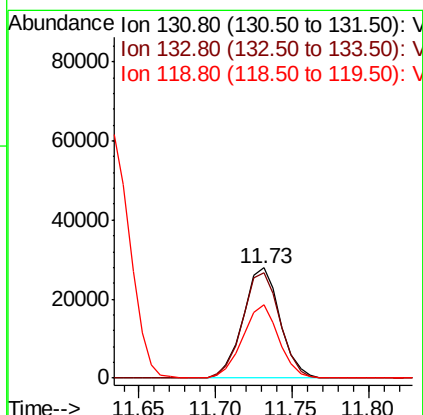
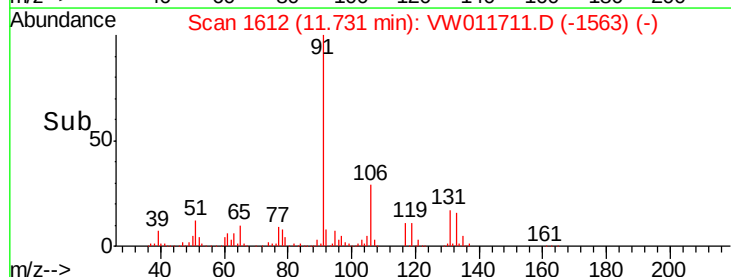
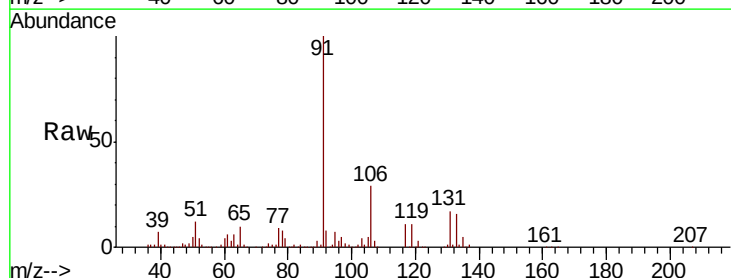
Instrument :
MSVOA_W
ClientSampleId :
VW0806SBSD01

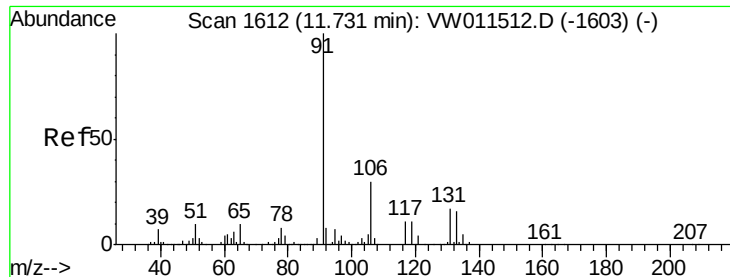
Tot Ion:112 Resp: 137913
Ion Ratio Lower Upper
112 100
114 30.9 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.270 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011711.D
Acq: 05 Aug 2019 16:05

Tgt Ion:131 Resp: 46941
Ion Ratio Lower Upper
131 100
133 96.3 47.4 142.2
119 65.0 32.3 96.9

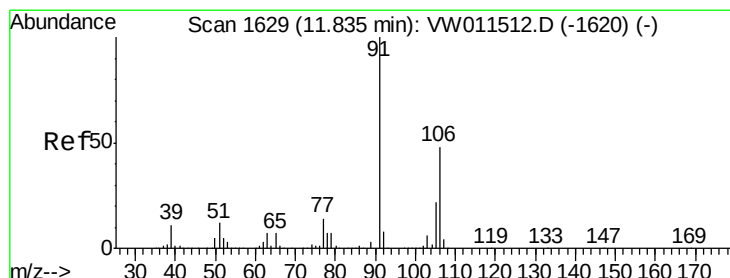
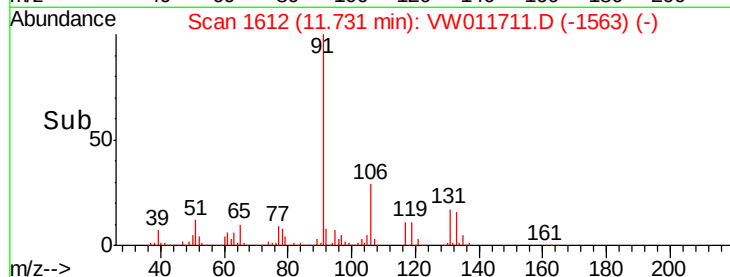
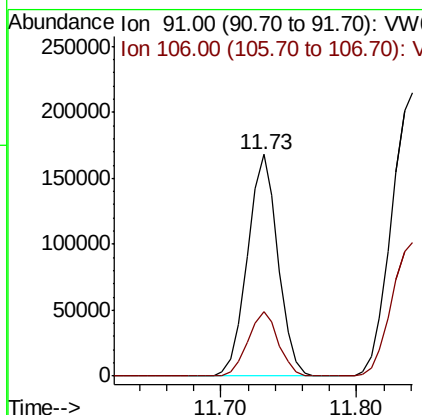
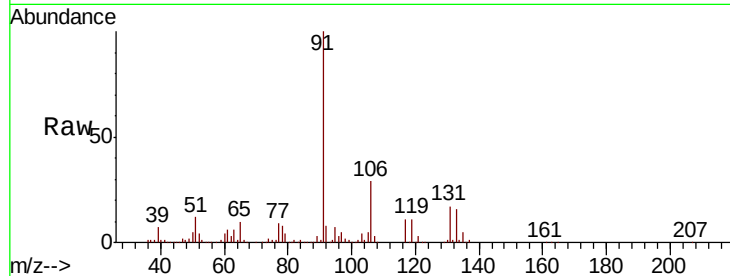




#67
Ethyl Benzene
Concen: 20.837 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011711.D
Acq: 05 Aug 2019 16:05

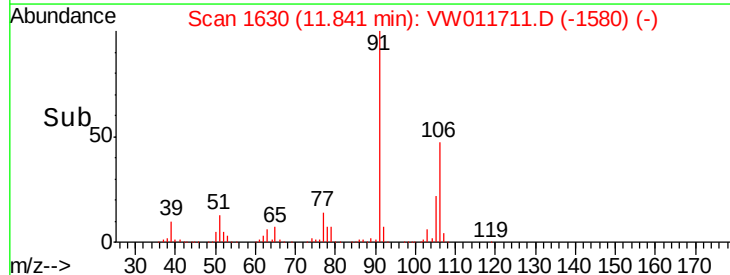
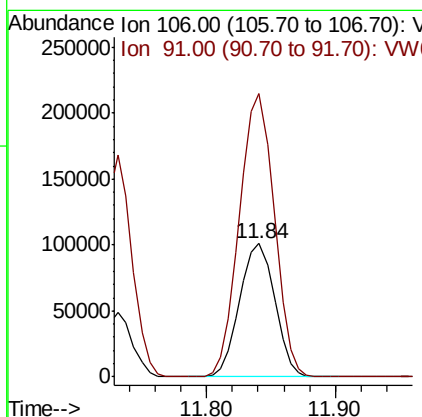
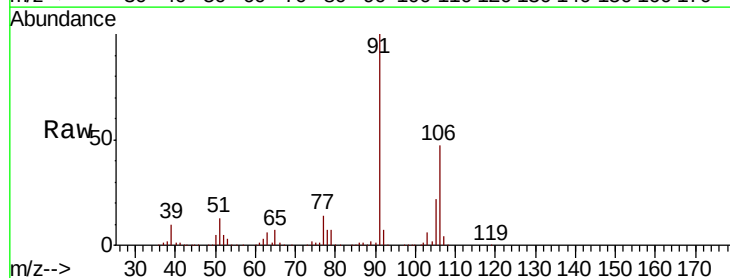
Instrument :
MSVOA_W
ClientSampleId :
VW0806SBSD01

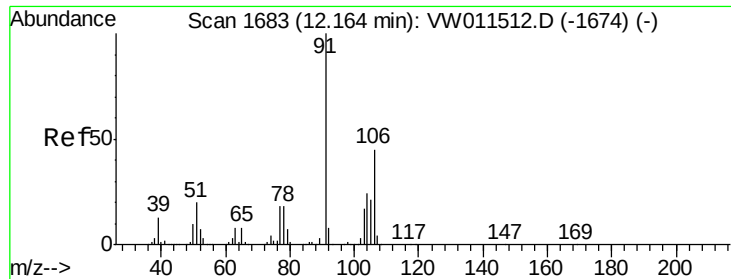
Tot Ion: 91 Resp: 263846
Ion Ratio Lower Upper
91 100
106 29.2 23.8 35.6



#68
m/p-Xylenes
Concen: 41.708 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011711.D
Acq: 05 Aug 2019 16:05

Tgt Ion: 106 Resp: 192064
Ion Ratio Lower Upper
106 100
91 210.2 168.2 252.2

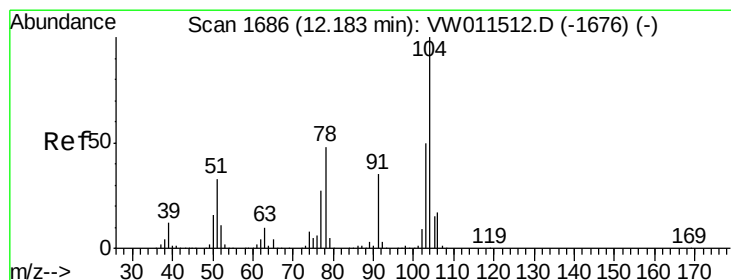
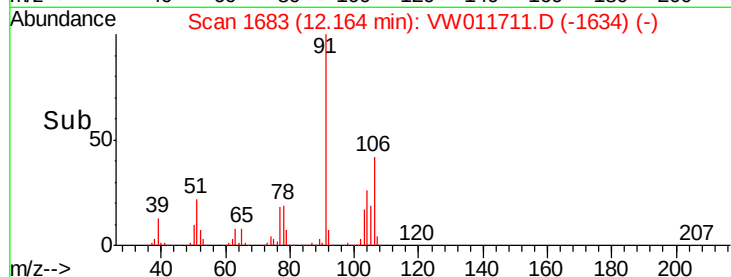
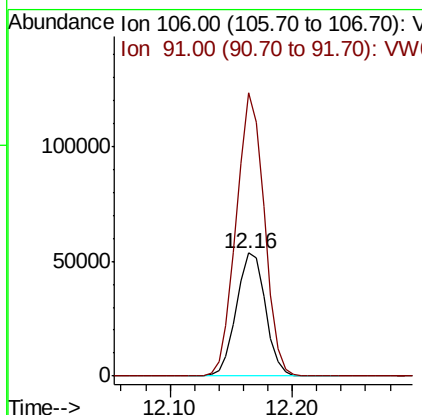
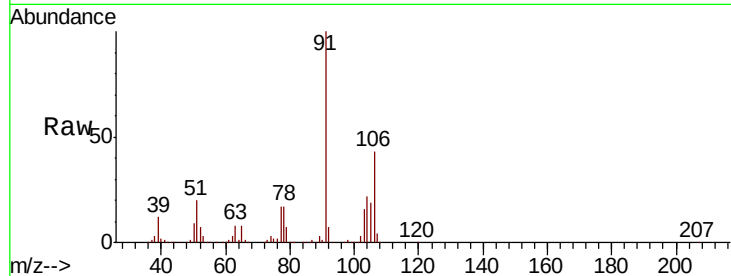




#69
o-Xylene
Concen: 20.592 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011711.D
Acq: 05 Aug 2019 16:05

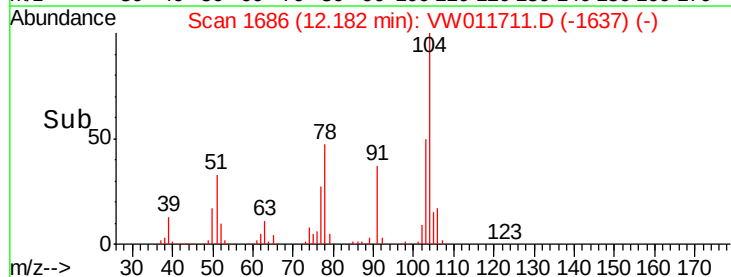
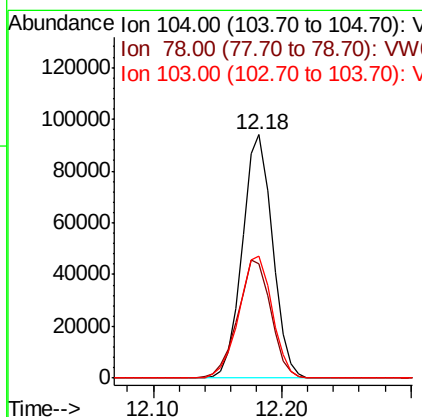
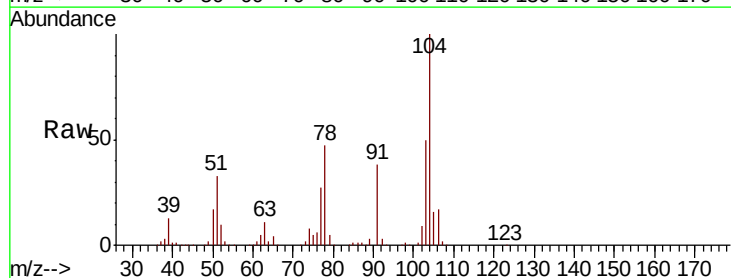
Instrument :
MSVOA_W
ClientSampled :
VW0806SBSD01

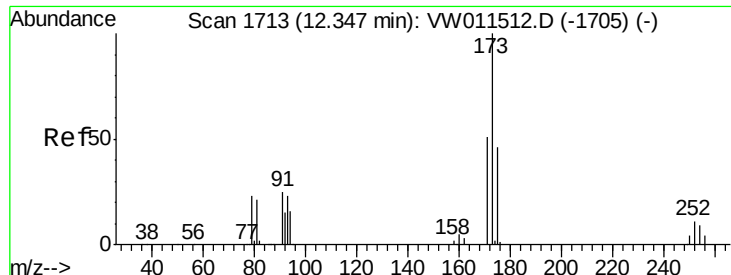
Tot Ion:106 Resp: 88118
Ion Ratio Lower Upper
106 100
91 222.3 110.5 331.5



#70
Styrene
Concen: 20.521 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011711.D
Acq: 05 Aug 2019 16:05

Tgt Ion:104 Resp: 151827
Ion Ratio Lower Upper
104 100
78 53.5 43.4 65.0
103 55.3 43.9 65.9





#71

Bromoform

Concen: 19.182 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011711.D

Acq: 05 Aug 2019 16:05

Instrument :

MSVOA_W

ClientSampleId :

VW0806SBSD01

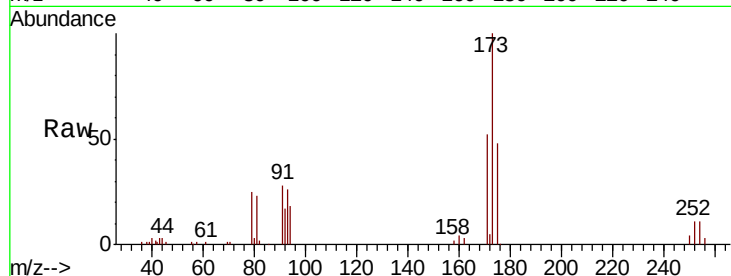
Tot Ion:173 Resp: 22649

Ion Ratio Lower Upper

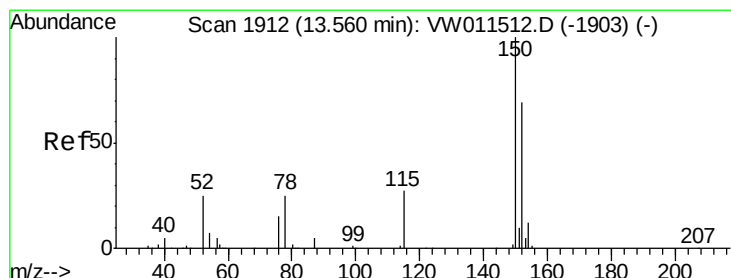
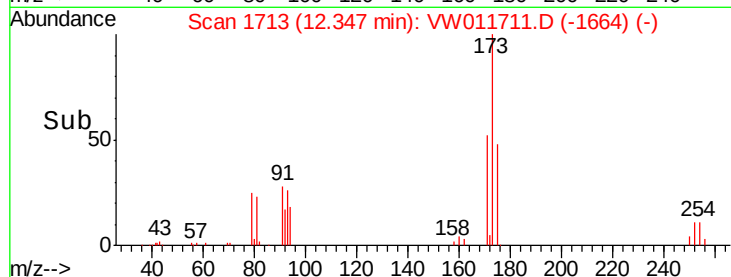
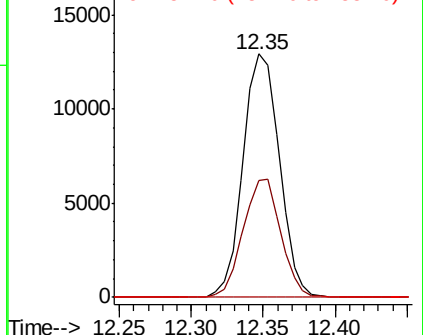
173 100

175 50.0 23.6 71.0

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011711.D

Acq: 05 Aug 2019 16:05

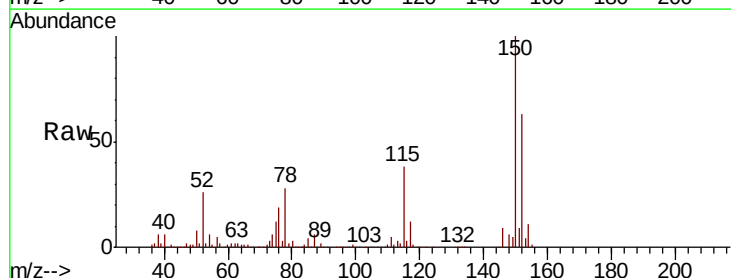
Tgt Ion:152 Resp: 163422

Ion Ratio Lower Upper

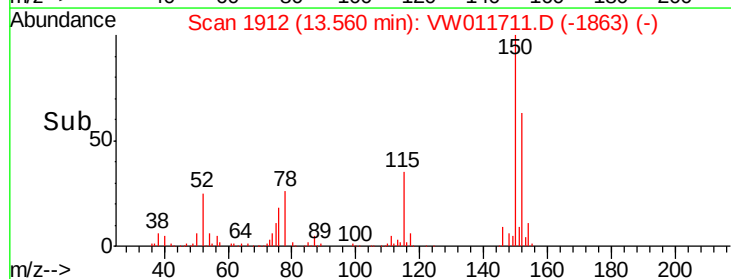
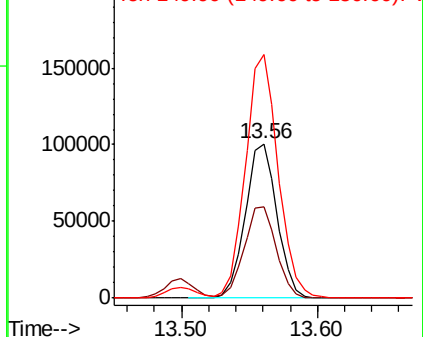
152 100

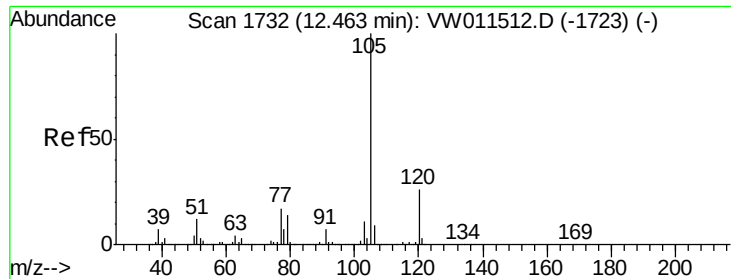
115 60.3 30.5 91.5

150 163.1 0.0 352.6



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





#73

Isopropylbenzene

Concen: 20.460 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011711.D

Acq: 05 Aug 2019 16:05

Instrument :

MSVOA_W

ClientSampleId :

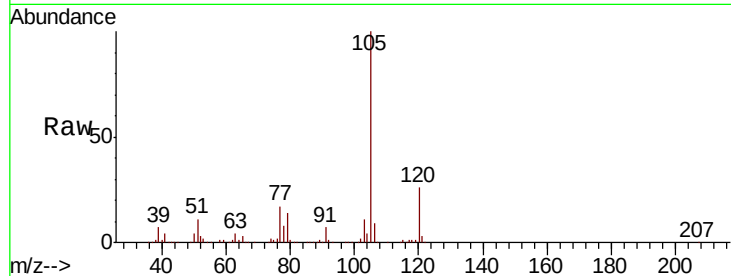
VW0806SBSD01

Tot Ion:105 Resp: 249447

Ion Ratio Lower Upper

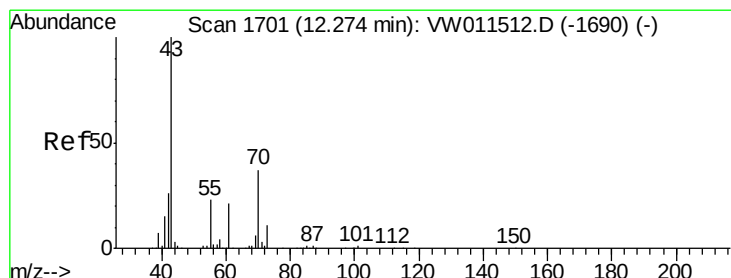
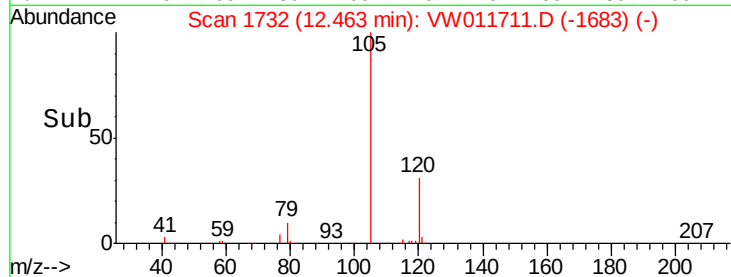
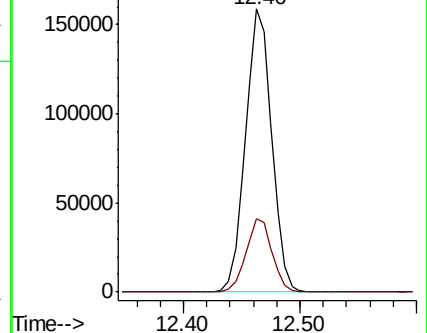
105 100

120 25.8 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.278 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW011711.D

Acq: 05 Aug 2019 16:05

Tgt Ion: 43 Resp: 73582

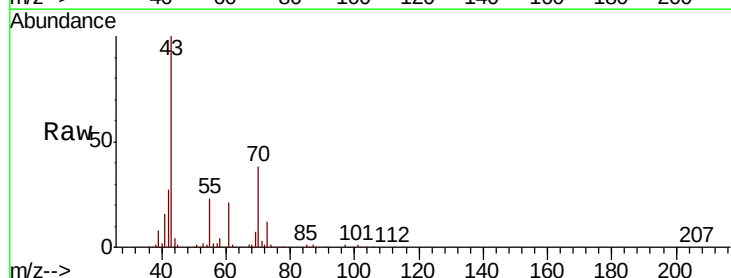
Ion Ratio Lower Upper

43 100

70 37.5 28.6 43.0

55 24.3 17.8 26.8

61 21.9 17.0 25.6

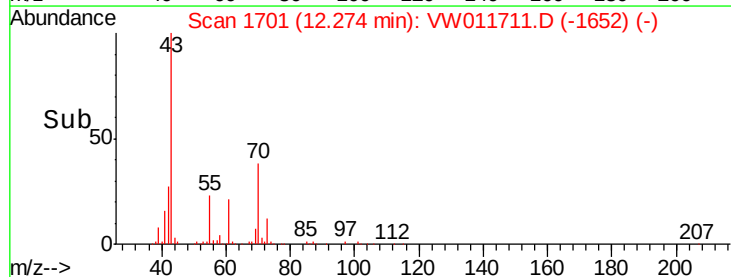
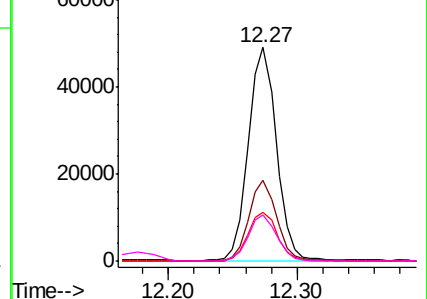


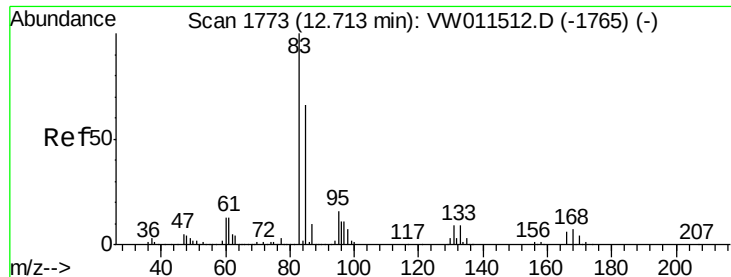
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 19.776 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011711.D

Acq: 05 Aug 2019 16:05

Instrument :

MSVOA_W

ClientSampleId :

VW0806SBSD01

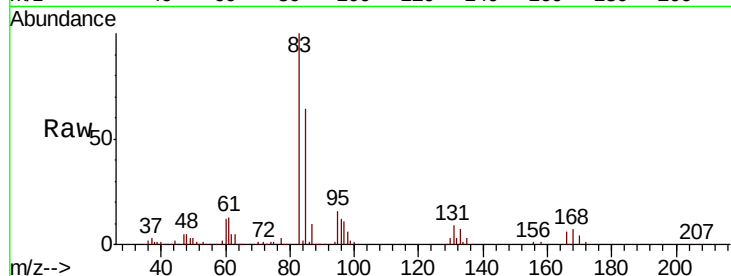
Tot Ion: 83 Resp: 45351

Ion Ratio Lower Upper

83 100

131 9.7 4.9 14.6

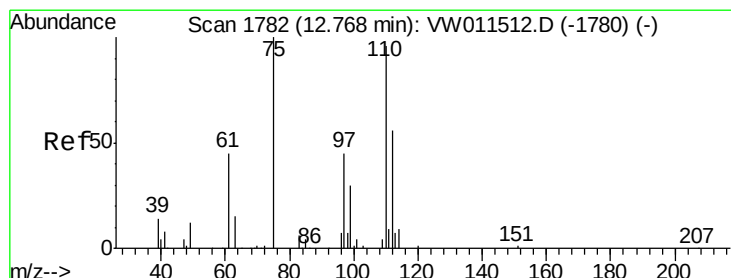
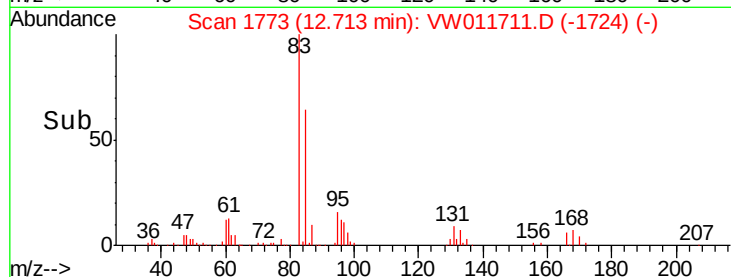
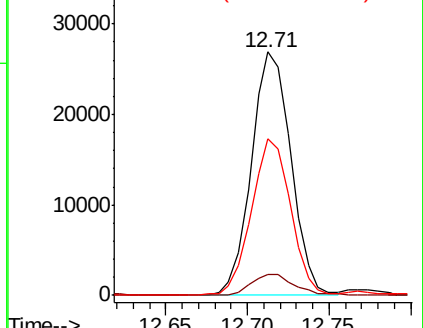
85 63.7 31.8 95.4



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: 18.291 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW011711.D

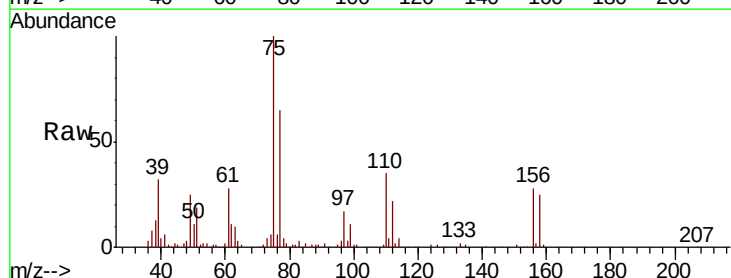
Acq: 05 Aug 2019 16:05

Tgt Ion: 75 Resp: 31628

Ion Ratio Lower Upper

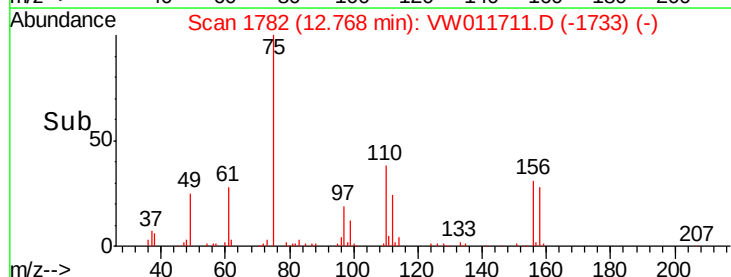
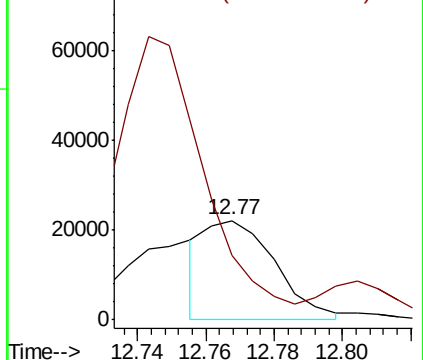
75 100

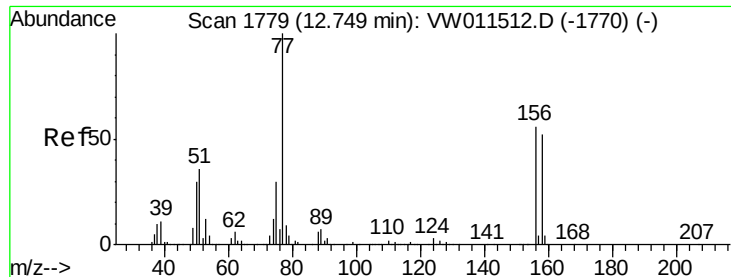
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

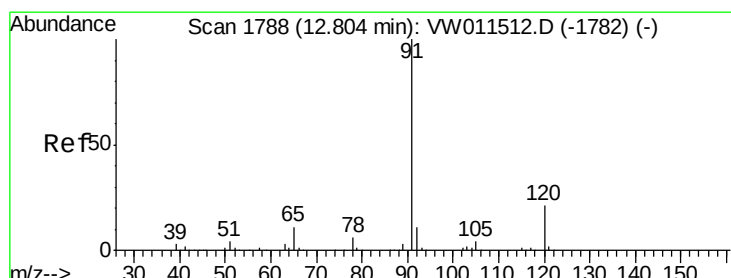
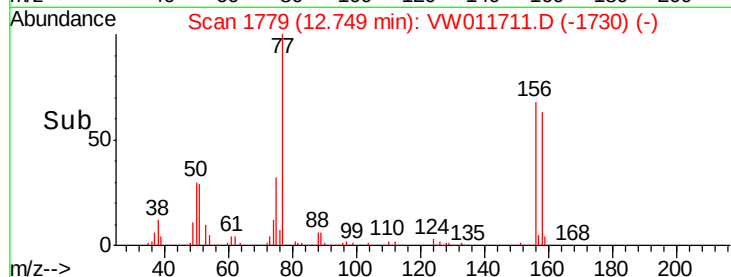
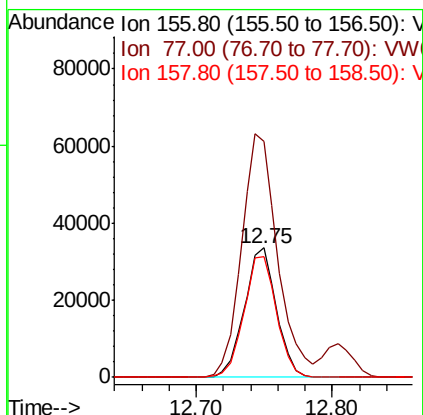
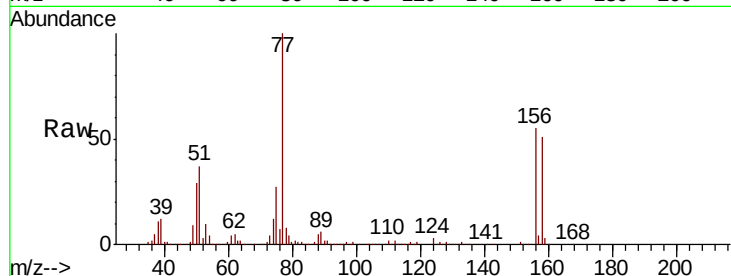




#77
Bromobenzene
Concen: 20.464 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW011711.D
Acq: 05 Aug 2019 16:05

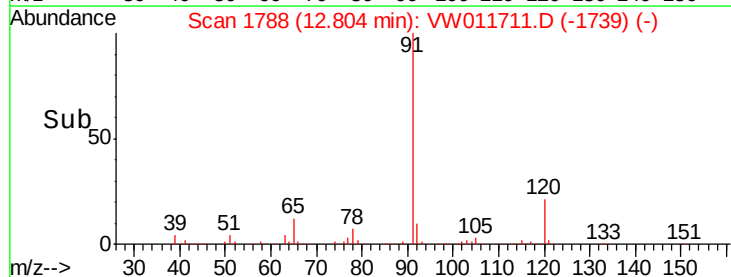
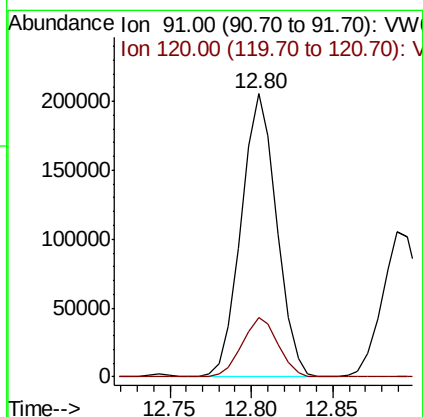
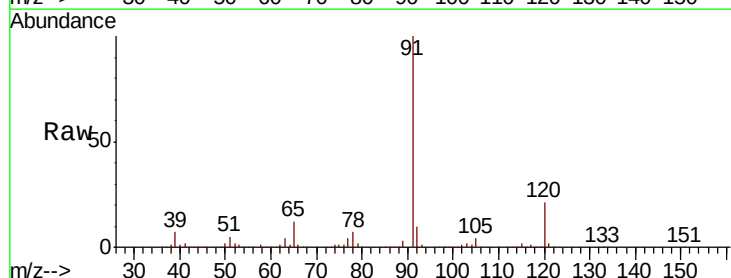
Instrument :
MSVOA_W
ClientSampleId :
VW0806SBSD01

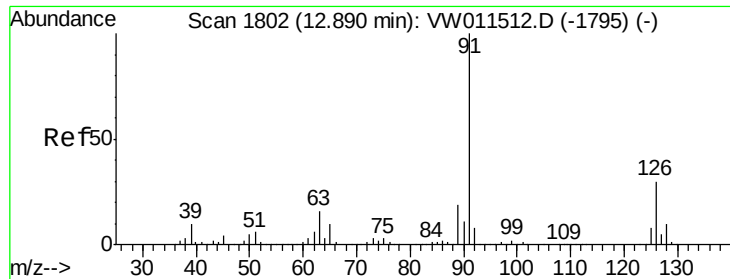
Tot Ion:156 Resp: 55144
Ion Ratio Lower Upper
156 100
77 211.3 106.5 319.4
158 95.5 48.0 144.2



#78
n-propylbenzene
Concen: 20.935 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW011711.D
Acq: 05 Aug 2019 16:05

Tgt Ion: 91 Resp: 310625
Ion Ratio Lower Upper
91 100
120 21.3 10.9 32.7





#79

2-Chlorotoluene

Concen: 20.235 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW011711.D

Acq: 05 Aug 2019 16:05

Instrument :

MSVOA_W

ClientSampleId :

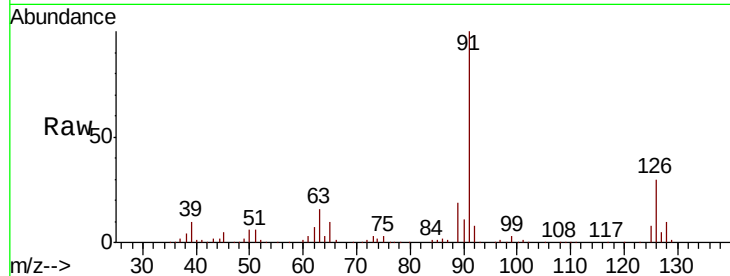
VW0806SBSD01

Tot Ion: 91 Resp: 172965

Ion Ratio Lower Upper

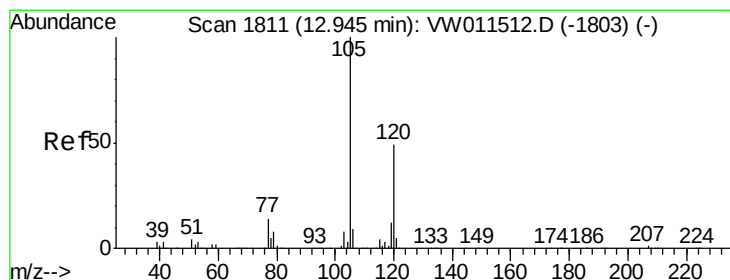
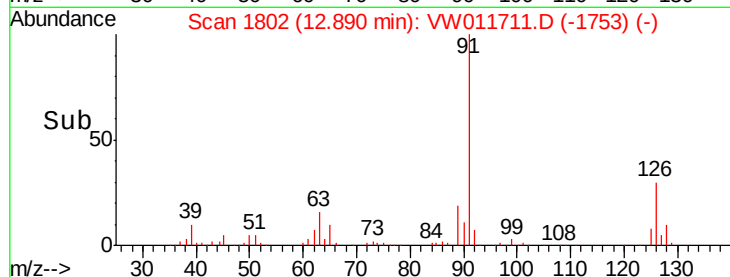
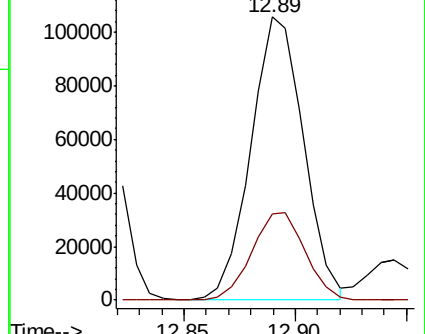
91 100

126 31.6 15.7 47.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.958 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW011711.D

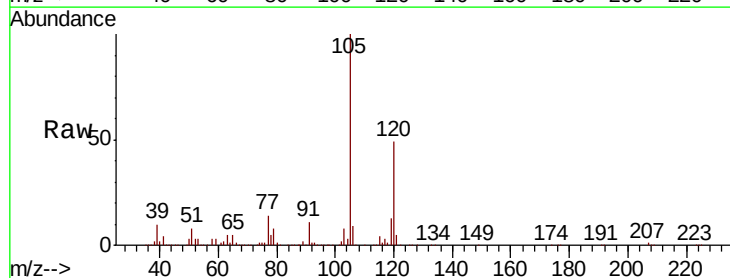
Acq: 05 Aug 2019 16:05

Tgt Ion:105 Resp: 214180

Ion Ratio Lower Upper

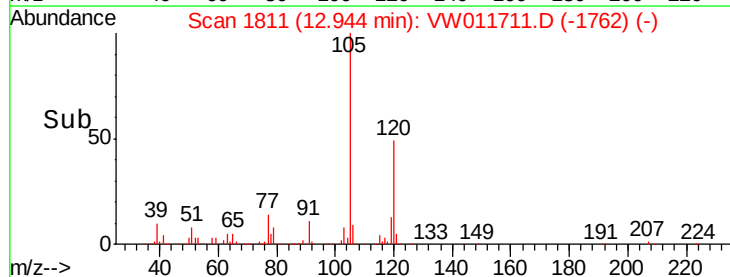
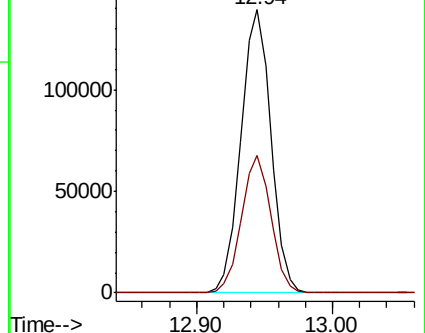
105 100

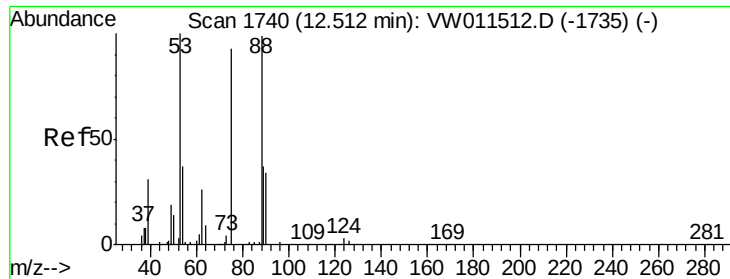
120 47.8 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 17.898 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW011711.D

Acq: 05 Aug 2019 16:05

Instrument :

MSVOA_W

ClientSampleId :

VW0806SBSD01

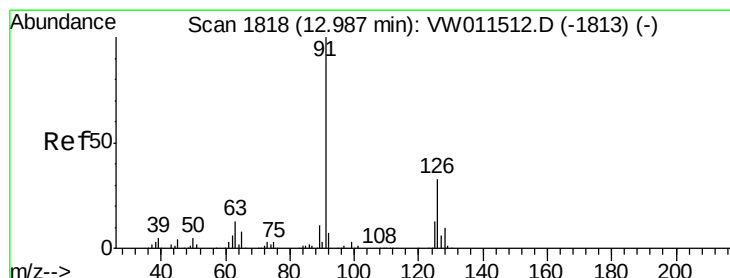
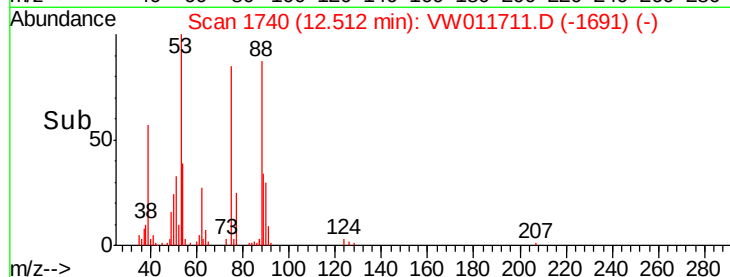
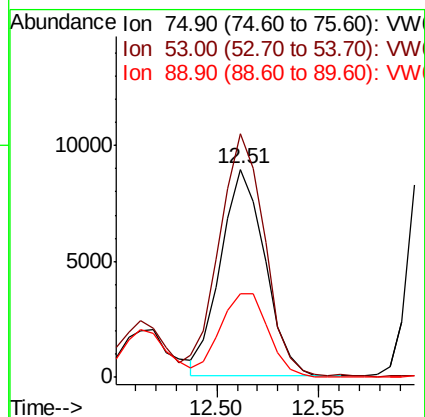
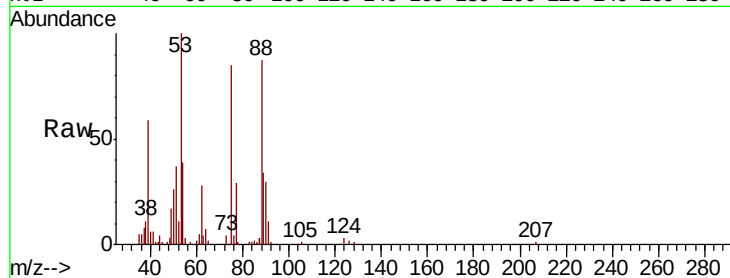
Tot Ion: 75 Resp: 13429

Ion Ratio Lower Upper

75 100

53 123.4 88.0 132.0

89 44.6 35.3 52.9



#82

4-Chlorotoluene

Concen: 20.500 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW011711.D

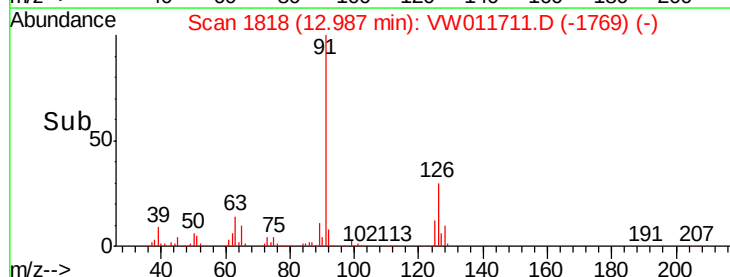
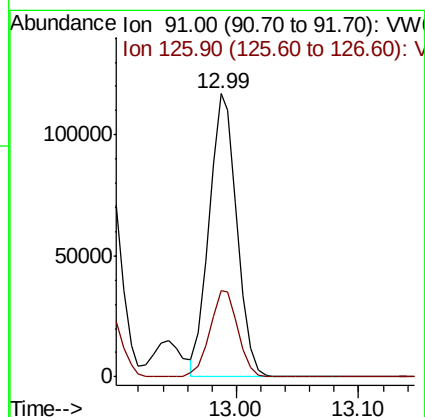
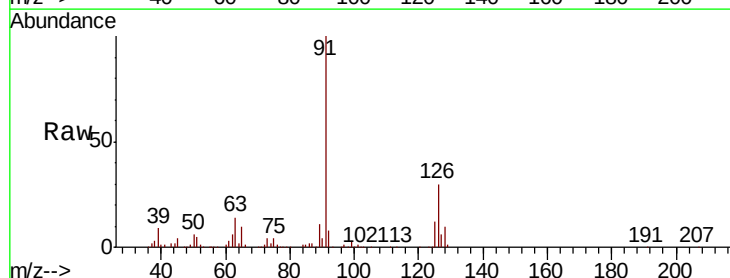
Acq: 05 Aug 2019 16:05

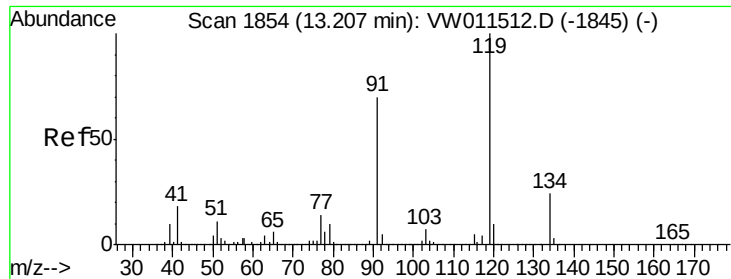
Tgt Ion: 91 Resp: 183854

Ion Ratio Lower Upper

91 100

126 31.1 15.6 46.8

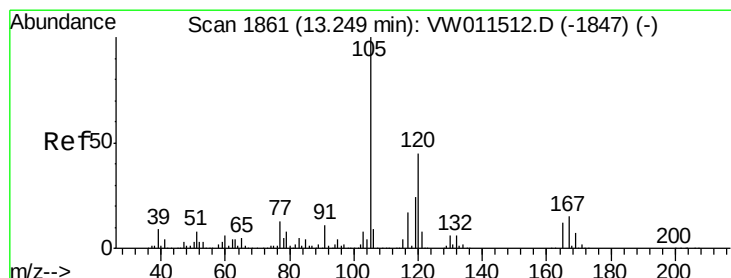
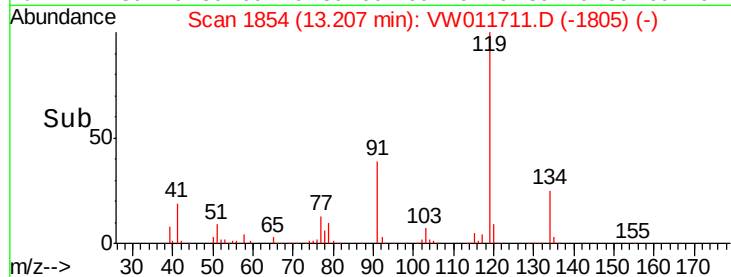
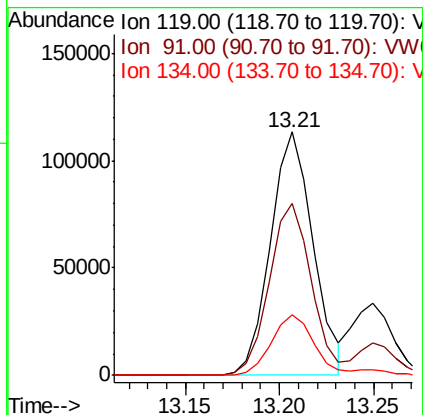
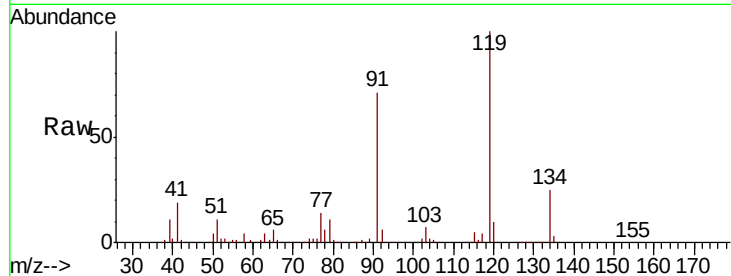




#83
 tert-Butylbenzene
 Concen: 20.806 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW011711.D
 Acq: 05 Aug 2019 16:05

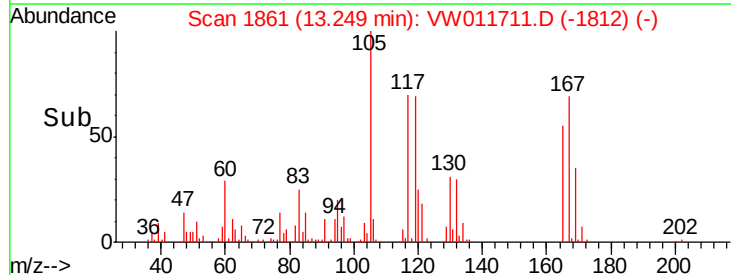
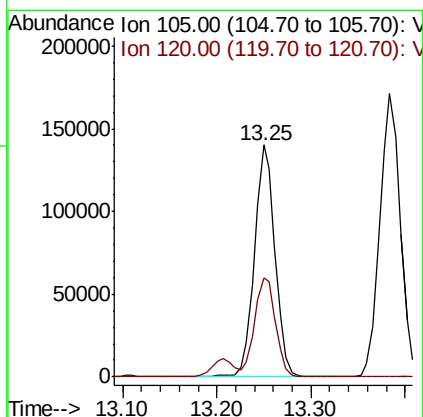
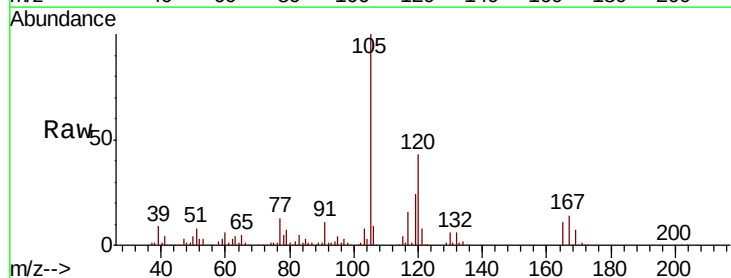
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0806SBSD01

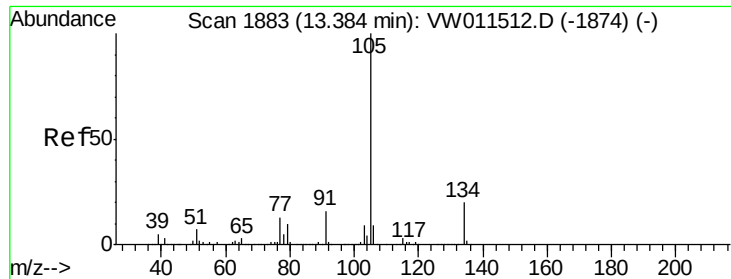
Tot Ion:119 Resp: 177807
 Ion Ratio Lower Upper
 119 100
 91 69.6 34.5 103.6
 134 24.9 12.4 37.4



#84
 1,2,4-Trimethylbenzene
 Concen: 20.930 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW011711.D
 Acq: 05 Aug 2019 16:05

Tgt Ion:105 Resp: 215469
 Ion Ratio Lower Upper
 105 100
 120 43.7 22.1 66.5

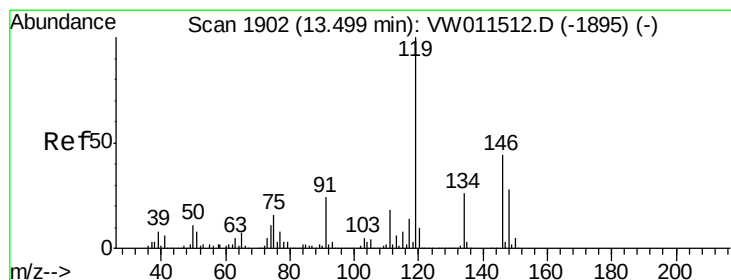
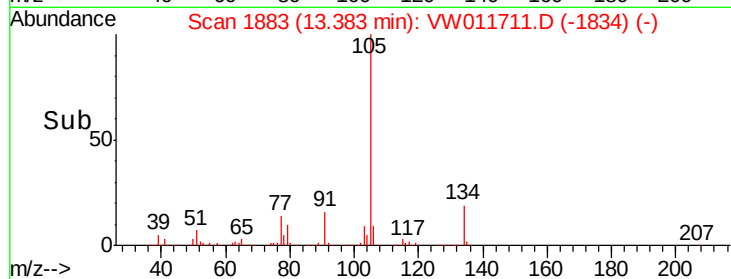
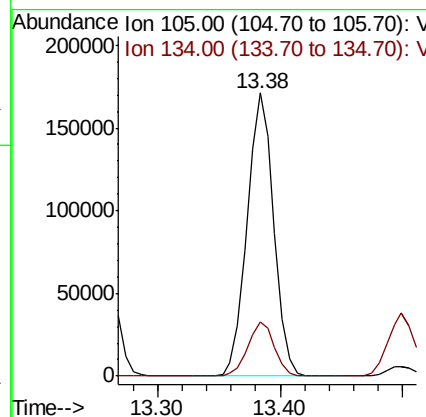
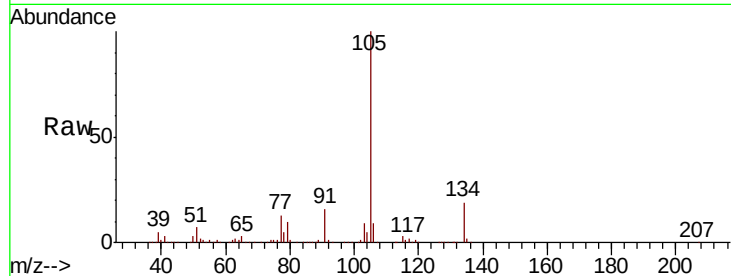




#85
 sec-Butylbenzene
 Concen: 21.115 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW011711.D
 Acq: 05 Aug 2019 16:05

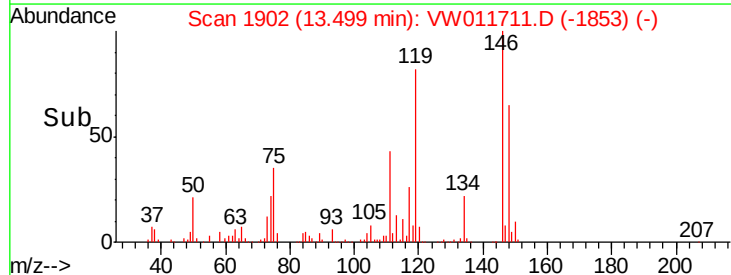
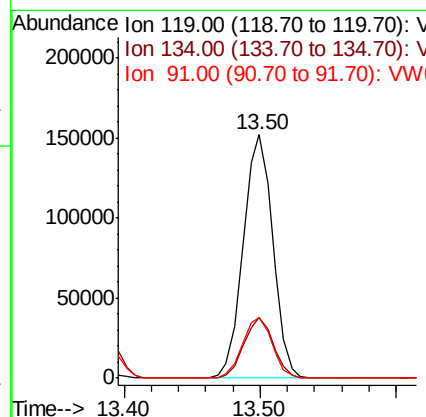
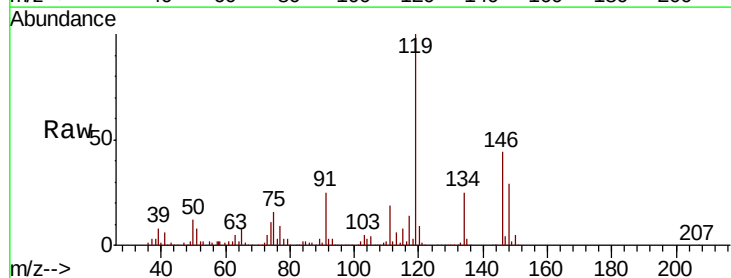
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0806SBSD01

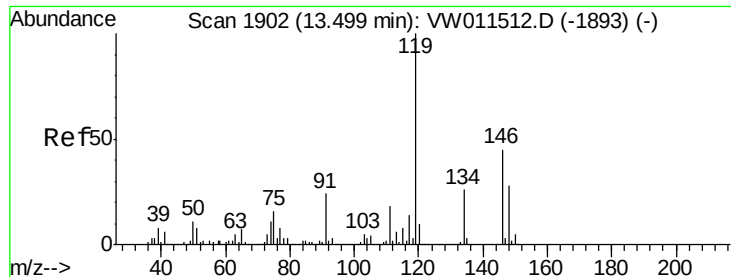
Tot Ion:105 Resp: 257483
 Ion Ratio Lower Upper
 105 100
 134 19.1 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 20.779 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011711.D
 Acq: 05 Aug 2019 16:05

Tgt Ion:119 Resp: 229900
 Ion Ratio Lower Upper
 119 100
 134 24.9 12.8 38.4
 91 25.0 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 20.240 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011711.D

Acq: 05 Aug 2019 16:05

Instrument :

MSVOA_W

ClientSampleId :

VW0806SBS01

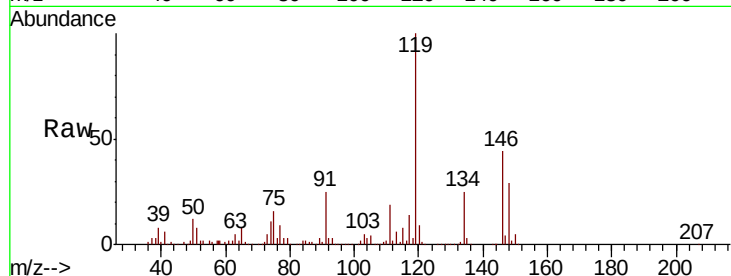
Tot Ion:146 Resp: 106946

Ion Ratio Lower Upper

146 100

111 42.3 20.5 61.6

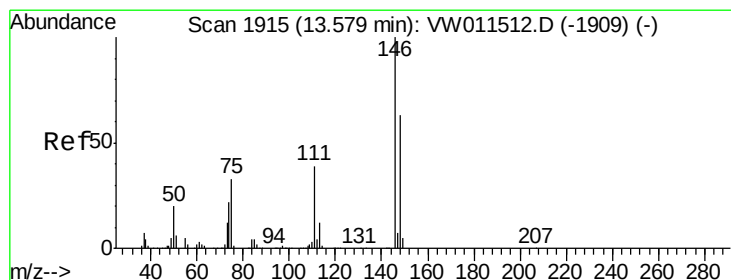
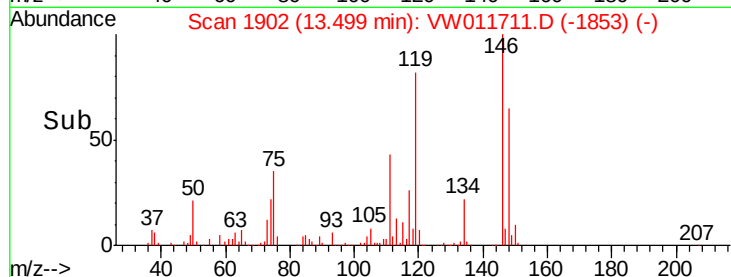
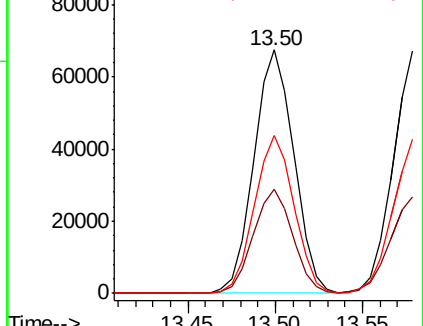
148 64.3 31.8 95.3



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



#88

1,4-Dichlorobenzene

Concen: 20.096 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW011711.D

Acq: 05 Aug 2019 16:05

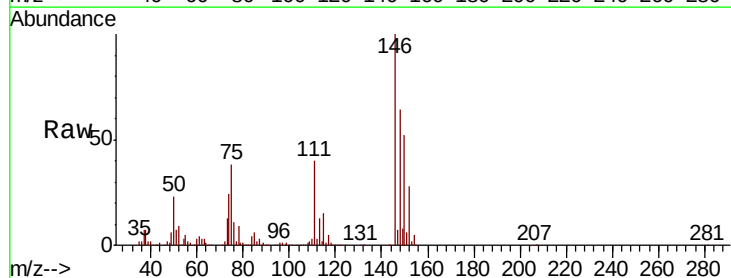
Tgt Ion:146 Resp: 105625

Ion Ratio Lower Upper

146 100

111 41.4 20.1 60.2

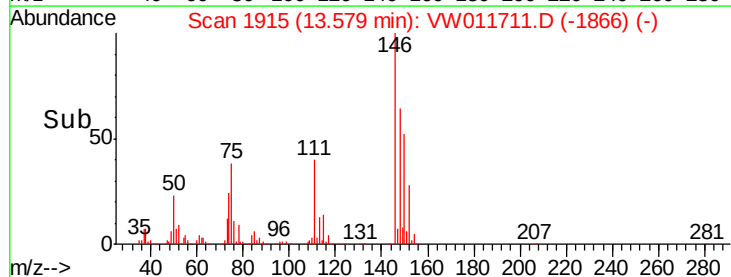
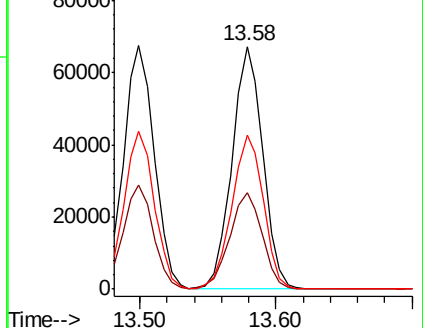
148 65.1 31.9 95.9

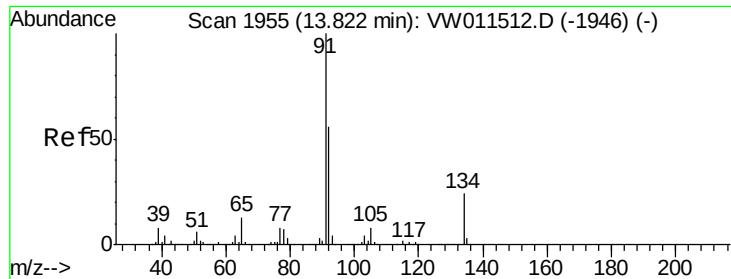


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 21.008 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW011711.D

Acq: 05 Aug 2019 16:05

Instrument :

MSVOA_W

ClientSampleId :

VW0806SBS01

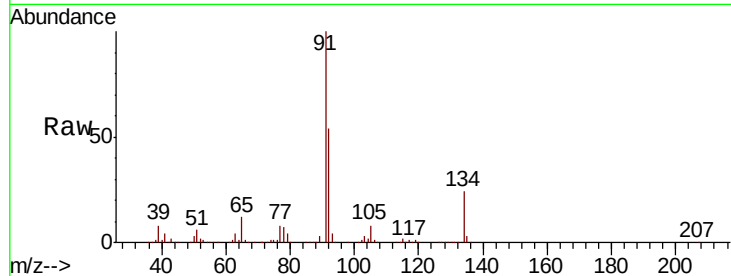
Tot Ion: 91 Resp: 231951

Ion Ratio Lower Upper

91 100

92 53.6 27.5 82.4

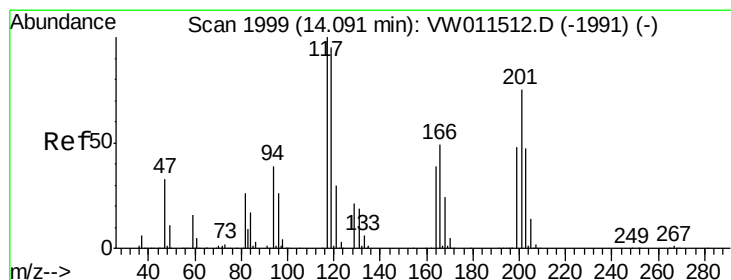
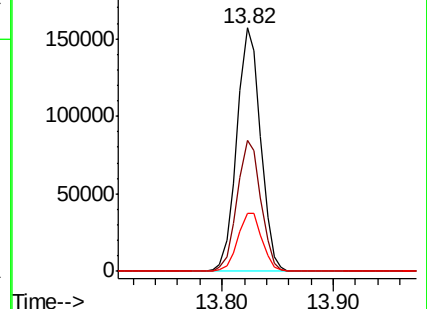
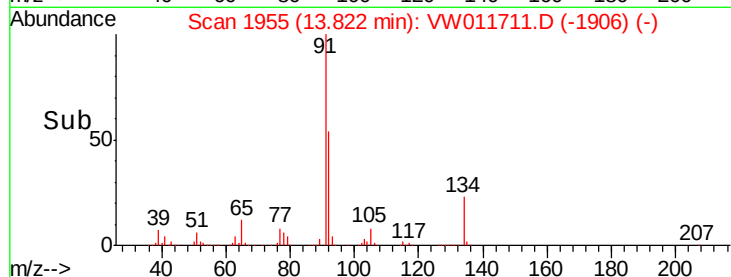
134 24.4 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 20.264 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW011711.D

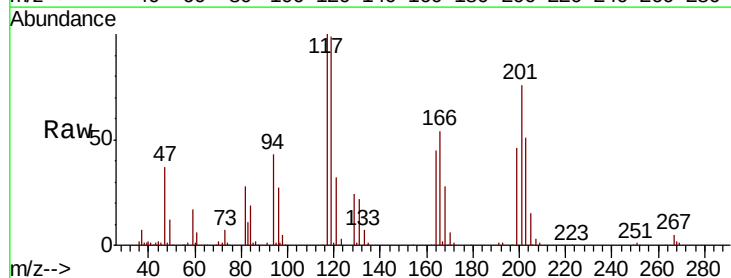
Acq: 05 Aug 2019 16:05

Tgt Ion: 117 Resp: 39646

Ion Ratio Lower Upper

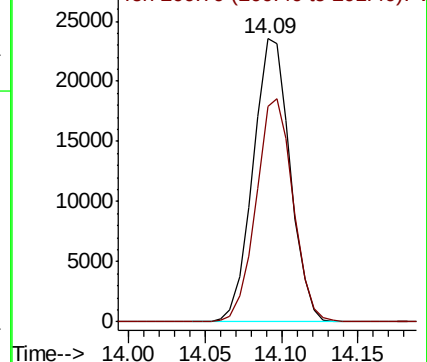
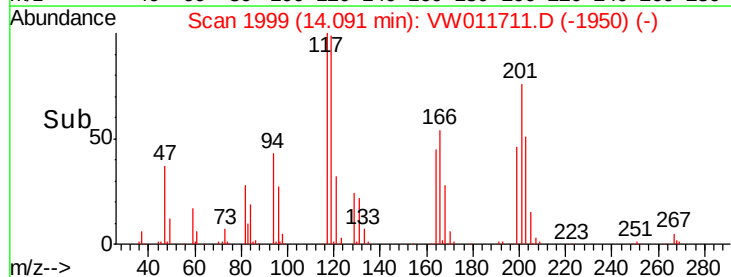
117 100

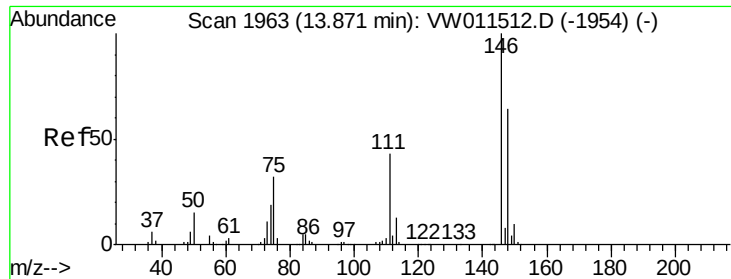
201 78.6 39.4 118.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

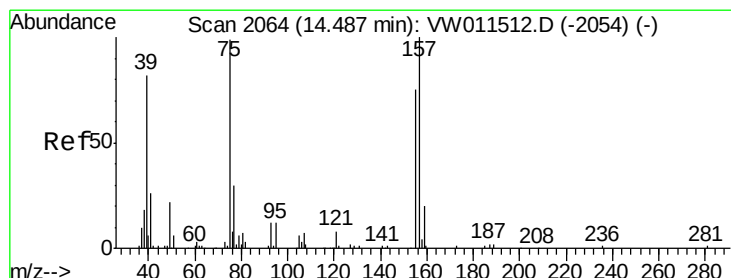
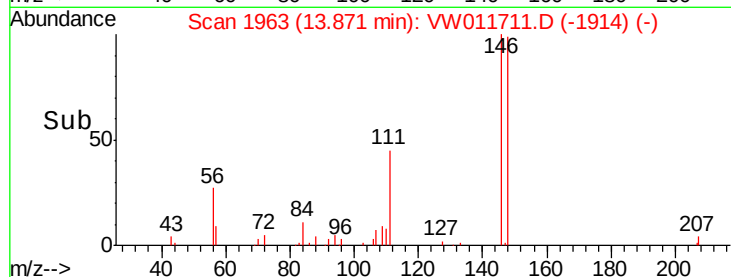
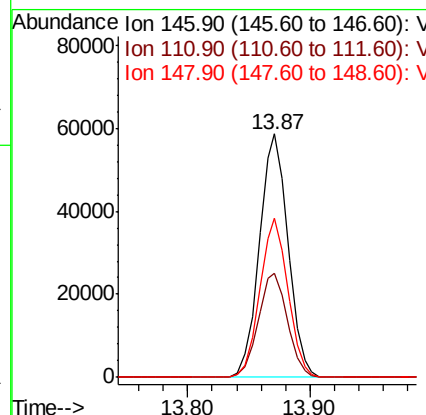
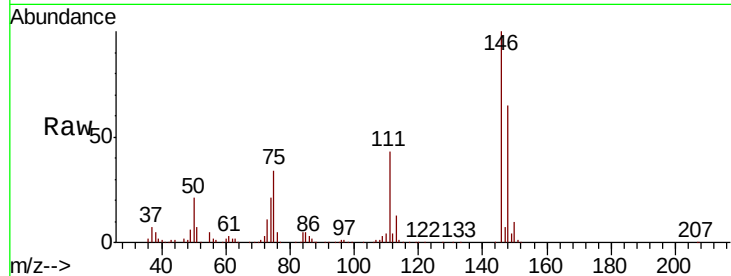




#91
 1,2-Dichlorobenzene
 Concen: 20.484 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011711.D
 Acq: 05 Aug 2019 16:05

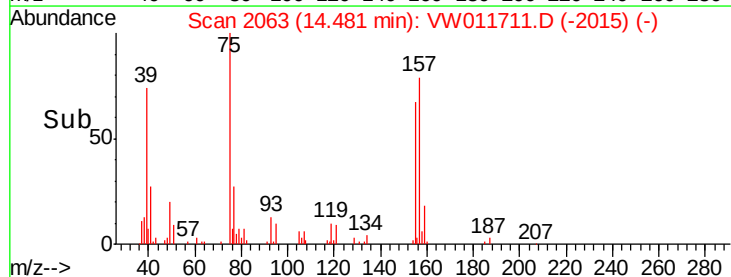
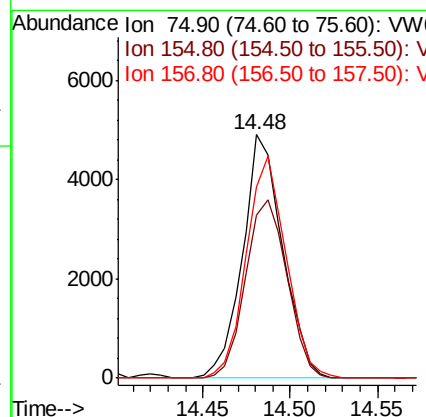
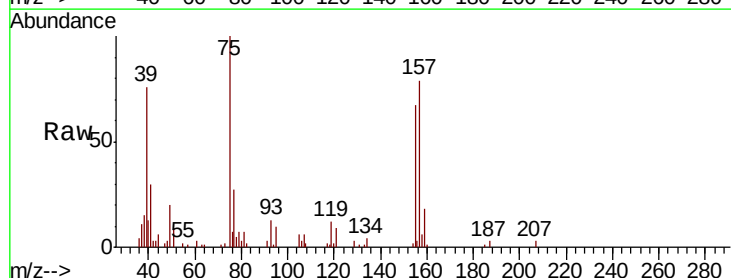
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0806SBS01

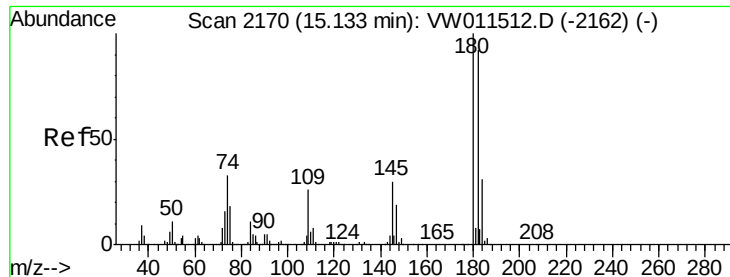
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.6	65.0
148	64.0	32.0	96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.012 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW011711.D
 Acq: 05 Aug 2019 16:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.8	38.2	114.6
157	90.4	48.9	146.7

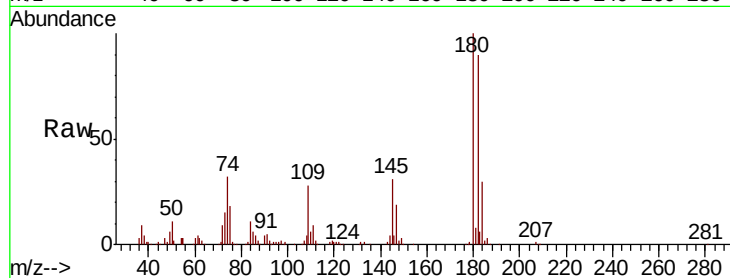




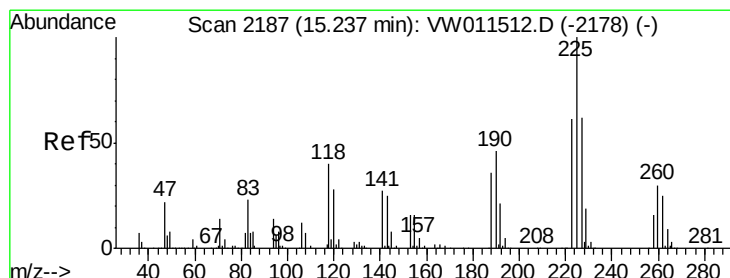
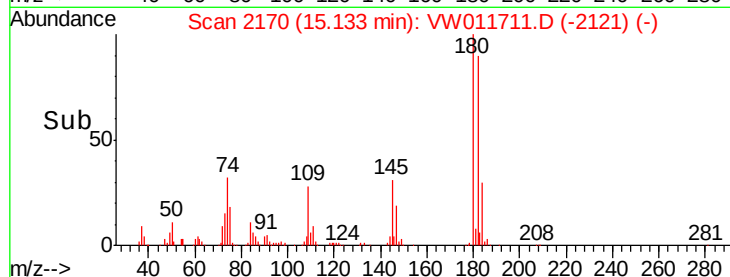
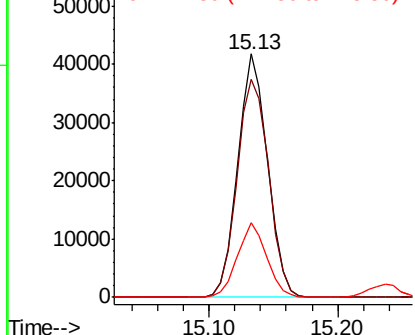
#93
 1,2,4-Trichlorobenzene
 Concen: 20.288 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011711.D
 Acq: 05 Aug 2019 16:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0806SBSD01

Tot Ion:180 Resp: 66819
 Ion Ratio Lower Upper
 180 100
 182 95.0 47.4 142.2
 145 30.3 15.4 46.1

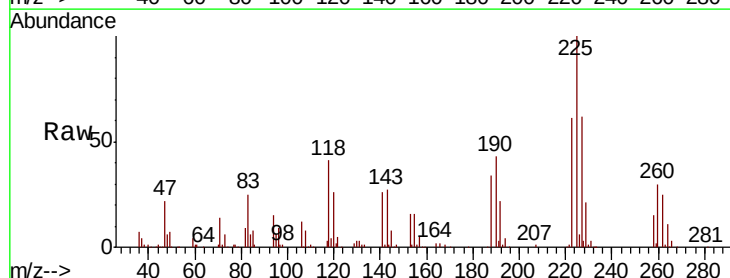


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

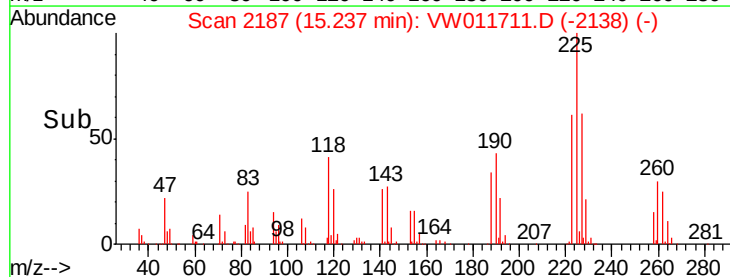
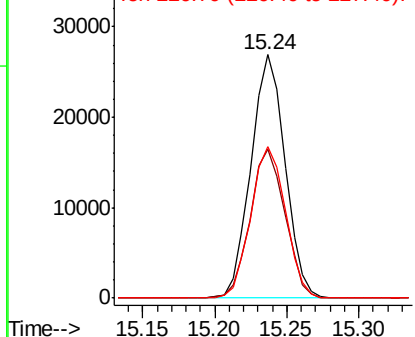


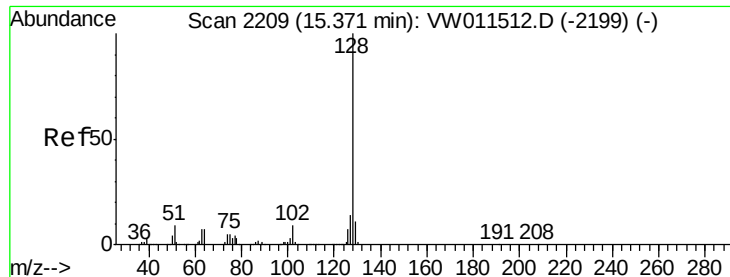
#94
 Hexachlorobutadiene
 Concen: 21.433 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW011711.D
 Acq: 05 Aug 2019 16:05

Tgt Ion:225 Resp: 44022
 Ion Ratio Lower Upper
 225 100
 223 62.5 30.8 92.3
 227 63.5 31.6 94.7



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





#95

Naphthalene

Concen: 18.621 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011711.D

Acq: 05 Aug 2019 16:05

Instrument :

MSVOA_W

ClientSampleId :

VW0806SBSD01

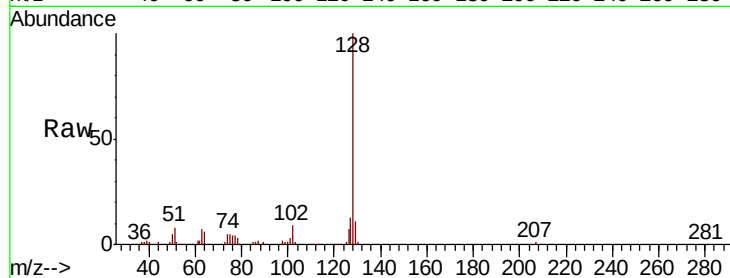
Tot Ion:128 Resp: 111412

Ion Ratio Lower Upper

128 100

127 13.0 10.6 16.0

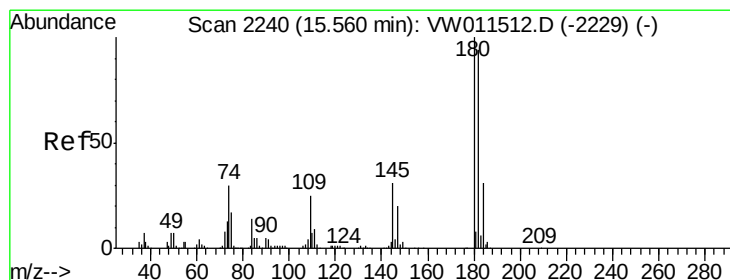
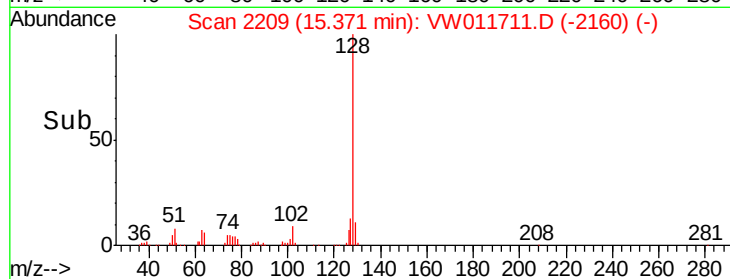
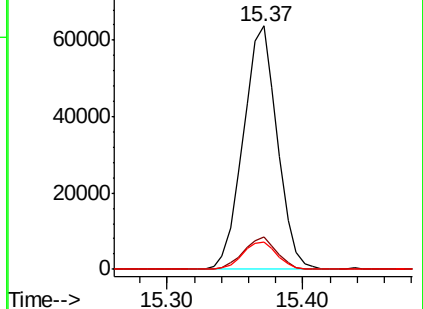
129 11.2 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.815 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW011711.D

Acq: 05 Aug 2019 16:05

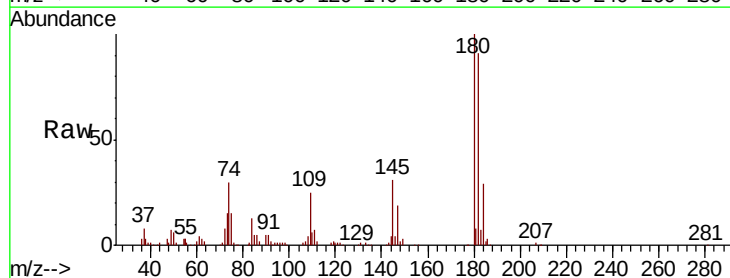
Tgt Ion:180 Resp: 57206

Ion Ratio Lower Upper

180 100

182 95.3 47.4 142.2

145 32.2 15.9 47.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

