

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082819\
 Data File : VW012270.D
 Acq On : 28 Aug 2019 23:52
 Operator : SY/VA
 Sample : VW0828SBS02
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0828SBS02

Quant Time: Aug 29 06:50:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	234951	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	387186	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	338994	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	164411	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	146464	52.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.88%	
35) Dibromofluoromethane	7.88	113	116187	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	
50) Toluene-d8	10.32	98	463524	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
62) 4-Bromofluorobenzene	12.62	95	167015	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	23298	16.104	ug/l	99
3) Chloromethane	2.20	50	39003	17.402	ug/l	99
4) Vinyl Chloride	2.36	62	45619	16.629	ug/l	96
5) Bromomethane	2.76	94	21950	15.799	ug/l	98
6) Chloroethane	2.90	64	26352	17.028	ug/l	92
7) Trichlorofluoromethane	3.25	101	21843	15.857	ug/l	100
8) Diethyl Ether	3.68	74	27388	20.947	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	41911	17.900	ug/l	98
10) Methyl Iodide	4.26	142	56710	17.901	ug/l	99
11) Tert butyl alcohol	5.18	59	20125	119.734	ug/l	99
12) 1,1-Dichloroethene	4.03	96	40820	17.321	ug/l	99
13) Acrolein	3.89	56	14690	92.847	ug/l	98
14) Allyl chloride	4.66	41	94911	18.838	ug/l	99
15) Acrylonitrile	5.36	53	72674	112.138	ug/l	99
16) Acetone	4.12	43	62106	86.990	ug/l	100
17) Carbon Disulfide	4.38	76	104215	14.632	ug/l	100
18) Methyl Acetate	4.67	43	44888	25.385	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	83619	21.941	ug/l	98
20) Methylene Chloride	4.91	84	54186	20.076	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	47985	18.988	ug/l	94
22) Diisopropyl ether	6.31	45	199978	21.414	ug/l	97
23) Vinyl Acetate	6.25	43	600048	104.406	ug/l	99
24) 1,1-Dichloroethane	6.21	63	101178	19.898	ug/l	100
25) 2-Butanone	7.17	43	100119	103.197	ug/l	99
26) 2,2-Dichloropropane	7.16	77	52167	18.126	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	54925	20.342	ug/l	99
28) Bromochloromethane	7.51	49	49180	22.191	ug/l	97
29) Tetrahydrofuran	7.53	42	68157	117.096	ug/l	99
30) Chloroform	7.67	83	95219	20.468	ug/l	97
31) Cyclohexane	7.95	56	86576	17.209	ug/l	92
32) 1,1,1-Trichloroethane	7.87	97	70474	19.150	ug/l	100
36) 1,1-Dichloropropene	8.08	75	72276	18.064	ug/l	99
37) Ethyl Acetate	7.25	43	47393	21.615	ug/l	99
38) Carbon Tetrachloride	8.06	117	62543	18.060	ug/l	100

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	77429	17.226	ug/l	99
40) Benzene	8.32	78	210307	19.249	ug/l	99
41) Methacrylonitrile	7.49	41	30891	23.972	ug/l	94
42) 1,2-Dichloroethane	8.40	62	70102	20.473	ug/l	100
43) Isopropyl Acetate	8.42	43	87065	21.438	ug/l	100
44) Trichloroethene	9.09	130	51032	19.215	ug/l	95
45) 1,2-Dichloropropane	9.37	63	58827	20.007	ug/l	98
46) Dibromomethane	9.46	93	27178	20.774	ug/l	99
47) Bromodichloromethane	9.64	83	69268	19.894	ug/l	99
48) Methyl methacrylate	9.43	41	40957	21.189	ug/l	97
49) 1,4-Dioxane	9.46	88	8817	440.240	ug/l #	79
51) 4-Methyl-2-Pentanone	10.21	43	232085	112.352	ug/l	99
52) Toluene	10.38	92	127814	19.474	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	70648	19.920	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	82890	19.356	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	38269	20.675	ug/l	97
56) Ethyl methacrylate	10.65	69	57388	21.302	ug/l	98
57) 1,3-Dichloropropane	10.93	76	73273	20.948	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	150705	109.001	ug/l	100
59) 2-Hexanone	10.97	43	154488	105.697	ug/l	100
60) Dibromochloromethane	11.13	129	42059	20.400	ug/l	99
61) 1,2-Dibromoethane	11.23	107	36206	20.996	ug/l	99
64) Tetrachloroethene	10.86	164	42051	19.133	ug/l	99
65) Chlorobenzene	11.66	112	131611	19.717	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	46395	19.923	ug/l	98
67) Ethyl Benzene	11.73	91	247622	19.258	ug/l	99
68) m/p-Xylenes	11.84	106	178326	38.501	ug/l	100
69) o-Xylene	12.16	106	84357	19.678	ug/l	100
70) Styrene	12.18	104	147371	19.861	ug/l	100
71) Bromoform	12.35	173	23793	20.508	ug/l #	99
73) Isopropylbenzene	12.46	105	235224	19.094	ug/l	99
74) N-amyl acetate	12.27	43	79797	21.439	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	47611	21.080	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	62493	39.028	ug/l #	100
77) Bromobenzene	12.74	156	52959	19.871	ug/l	100
78) n-propylbenzene	12.80	91	285734	18.999	ug/l	99
79) 2-Chlorotoluene	12.89	91	164943	19.317	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	199251	19.356	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	14149	19.374	ug/l	99
82) 4-Chlorotoluene	12.99	91	175016	19.575	ug/l	99
83) tert-Butylbenzene	13.21	119	169739	19.465	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	199831	19.325	ug/l	100
85) sec-Butylbenzene	13.38	105	240794	19.274	ug/l	100
86) p-Isopropyltoluene	13.50	119	214959	19.267	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	102279	19.620	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	102787	19.858	ug/l	98
89) n-Butylbenzene	13.82	91	210135	18.940	ug/l	100
90) Hexachloroethane	14.09	117	36347	18.569	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	92321	20.187	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7769	20.404	ug/l	99

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QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	62661	19.827	ug/l	99
94) Hexachlorobutadiene	15.24	225	40824	19.563	ug/l	98
95) Naphthalene	15.36	128	116957	21.551	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	55093	19.981	ug/l	97

(#) = 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: VW012270.D

Acq: 28 Aug 2019 23:52

Instrument :

MSVOA_W

ClientSampleId :

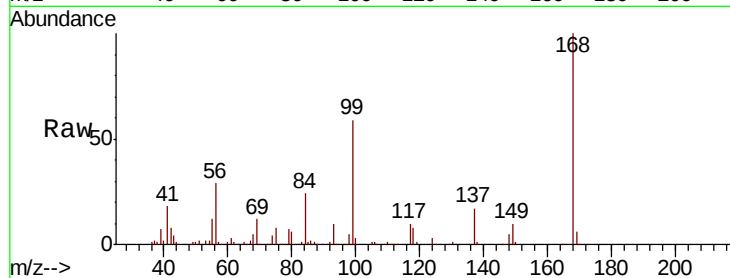
VW0828SBS02

Tgt Ion:168 Resp: 234951

Ion Ratio Lower Upper

168 100

99 59.0 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

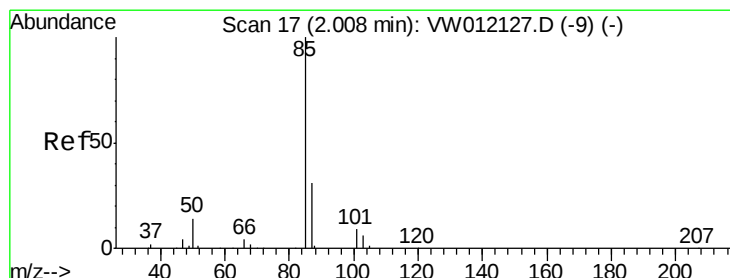
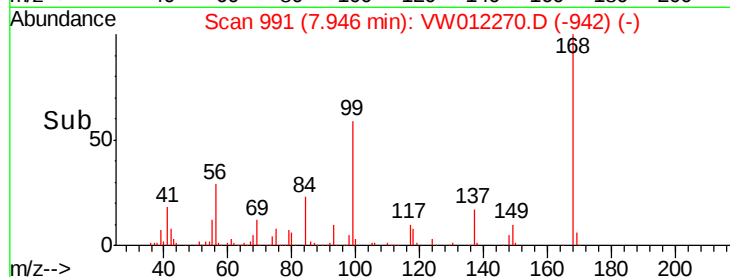
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 16.104 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012270.D

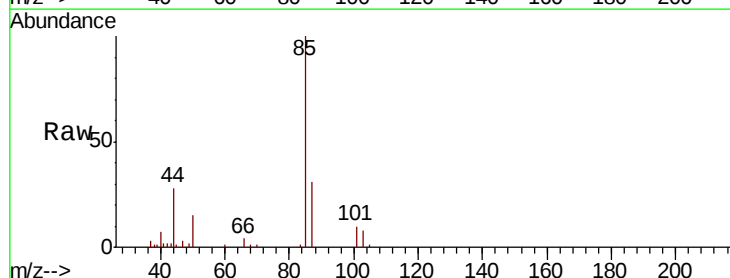
Acq: 28 Aug 2019 23:52

Tgt Ion: 85 Resp: 23298

Ion Ratio Lower Upper

85 100

87 30.9 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

10000

8000

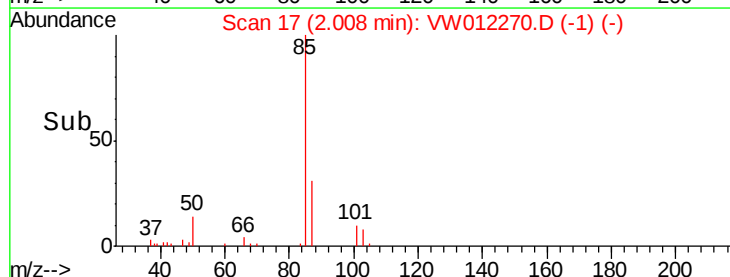
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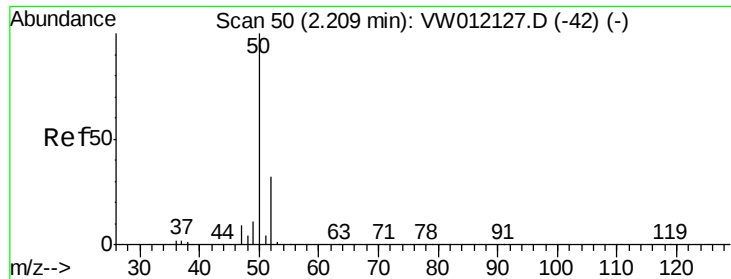
4000

2000

0

Time-->





#3

Chloromethane

Concen: 17.402 ug/l

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

Instrument :

MSVOA_W

ClientSampleId :

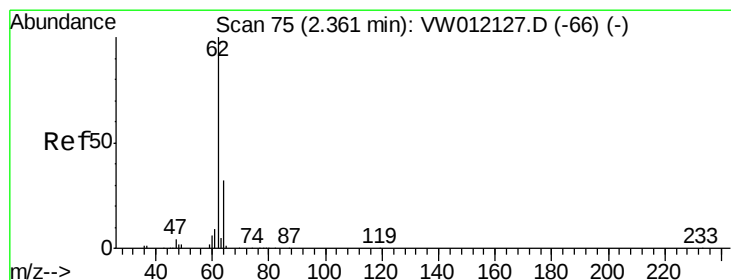
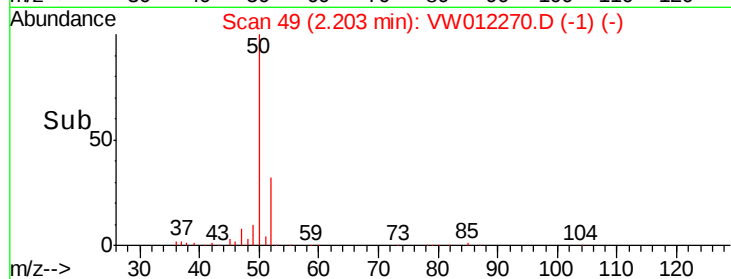
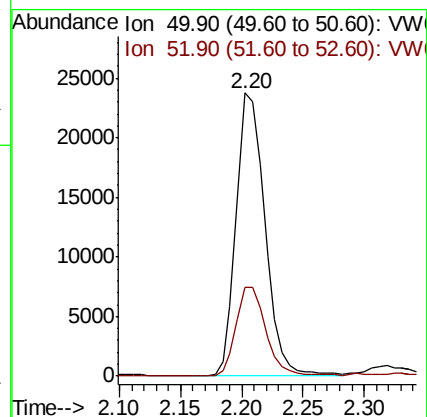
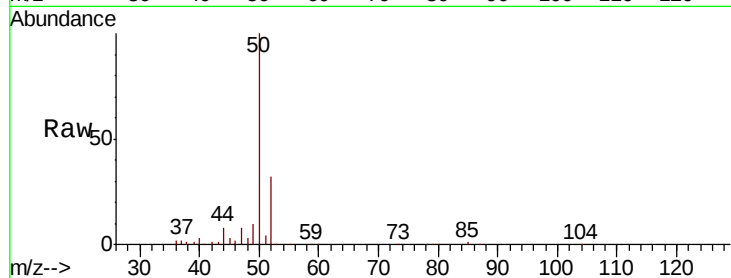
VW0828SBS02

Tgt Ion: 50 Resp: 39003

Ion Ratio Lower Upper

50 100

52 31.6 25.5 38.3



#4

Vinyl Chloride

Concen: 16.629 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012270.D

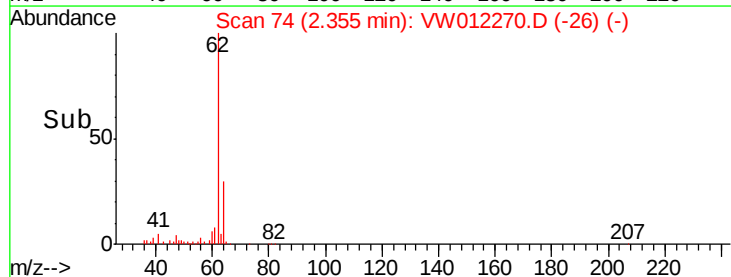
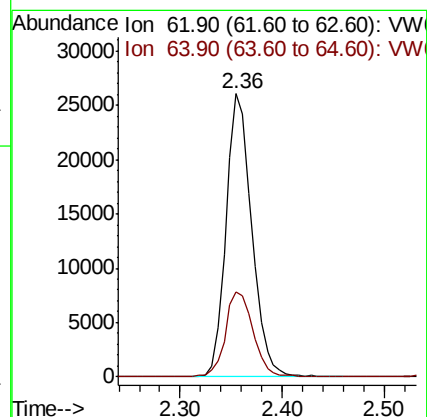
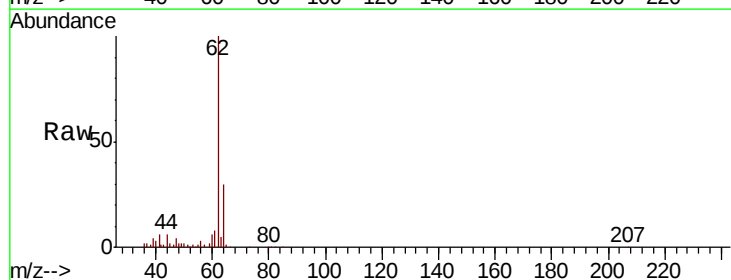
Acq: 28 Aug 2019 23:52

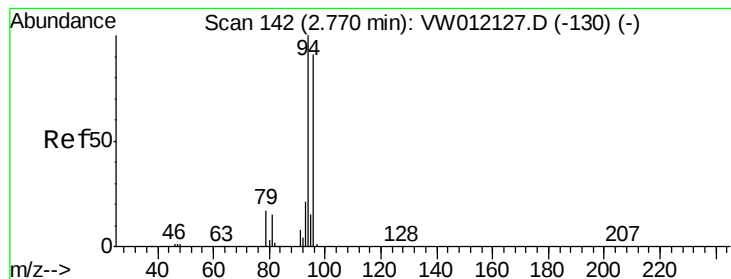
Tgt Ion: 62 Resp: 45619

Ion Ratio Lower Upper

62 100

64 29.5 25.3 37.9





#5

Bromomethane

Concen: 15.799 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

Instrument :

MSVOA_W

ClientSampled :

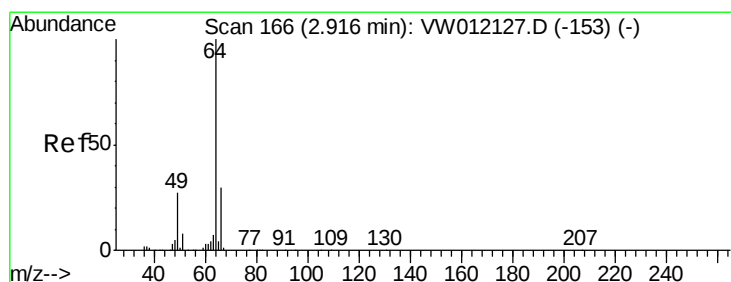
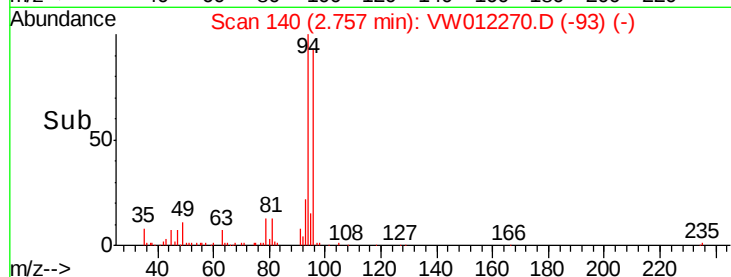
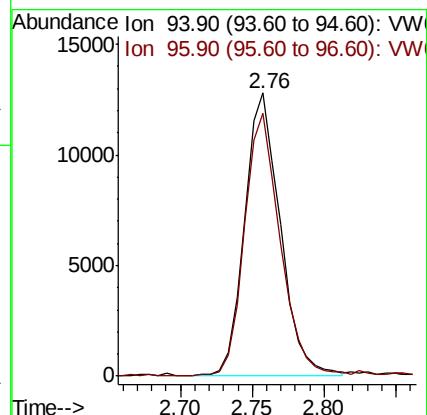
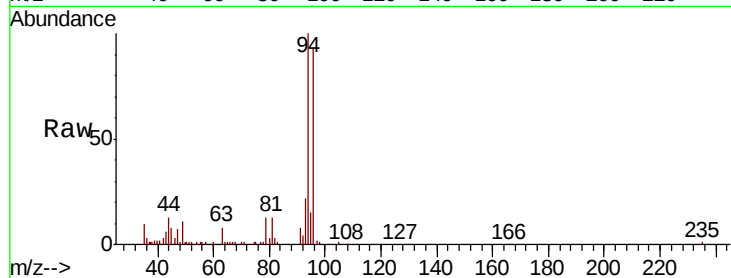
VW0828SBS02

Tgt Ion: 94 Resp: 21950

Ion Ratio Lower Upper

94 100

96 92.9 72.9 109.3



#6

Chloroethane

Concen: 17.028 ug/l

RT: 2.90 min Scan# 163

Delta R.T. -0.02 min

Lab File: VW012270.D

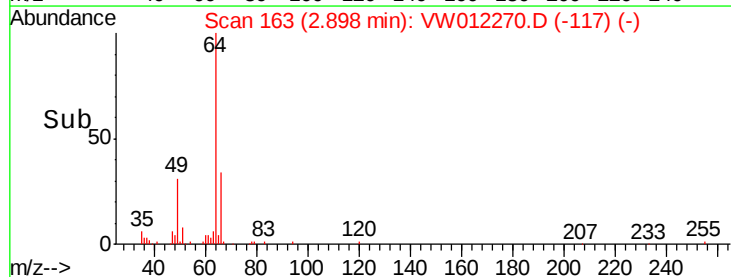
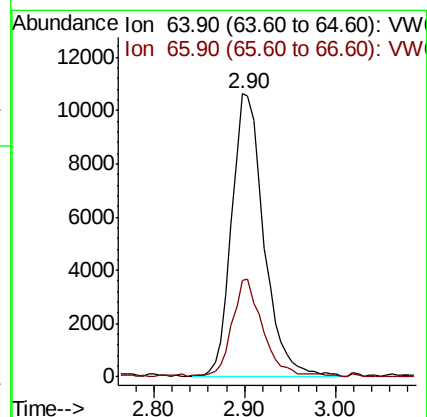
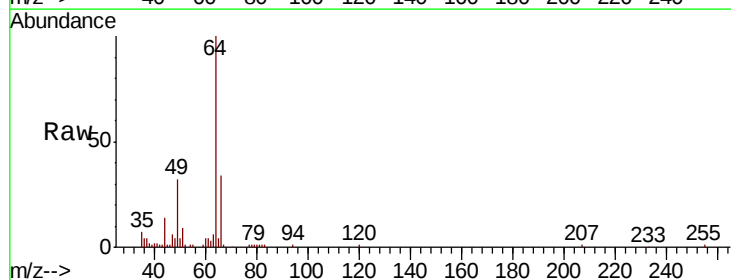
Acq: 28 Aug 2019 23:52

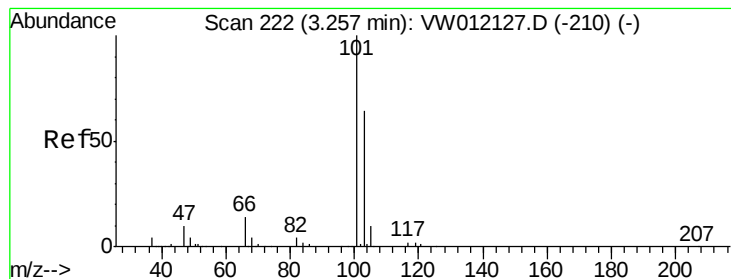
Tgt Ion: 64 Resp: 26352

Ion Ratio Lower Upper

64 100

66 34.1 23.8 35.8



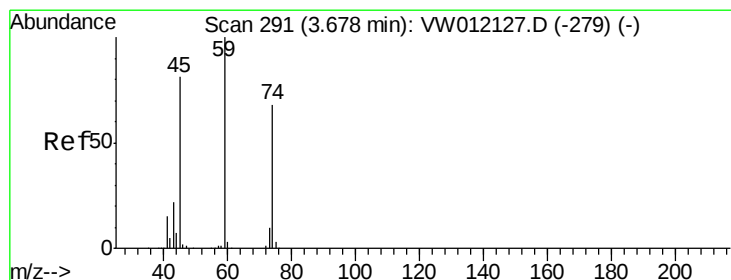
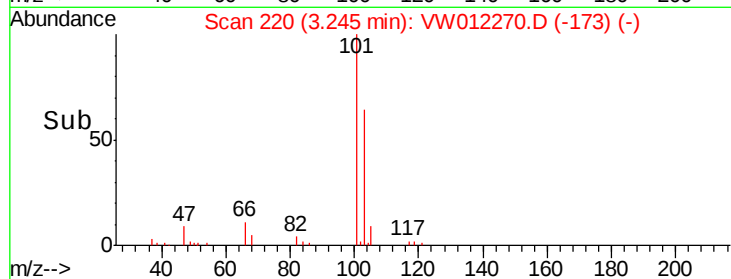
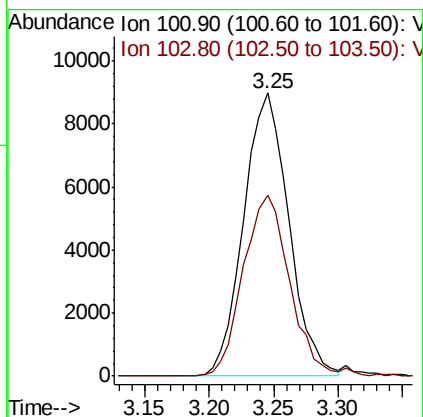
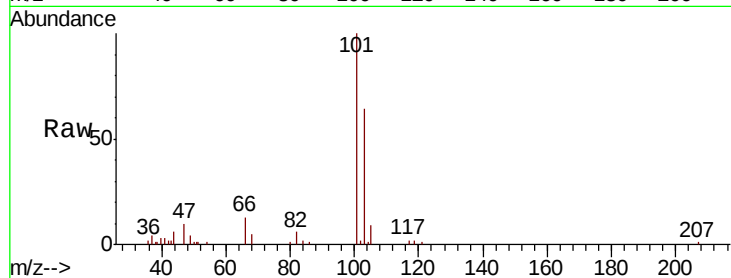


#7

Trichlorofluoromethane
 Concen: 15.857 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW012270.D
 Acq: 28 Aug 2019 23:52

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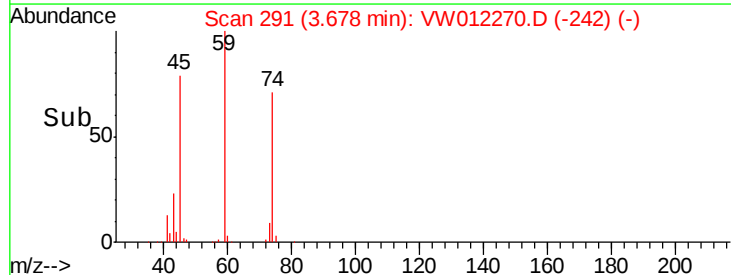
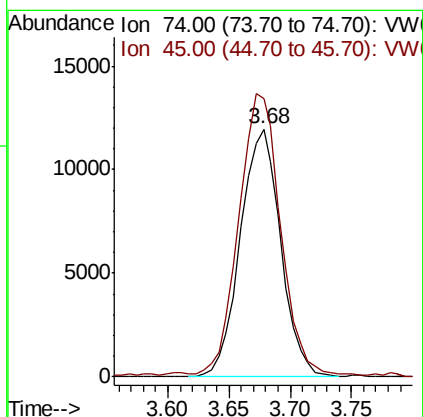
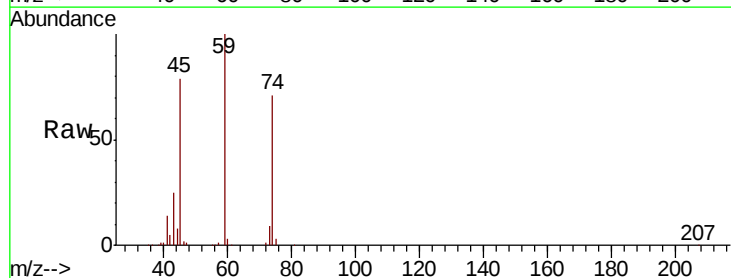
Tgt Ion:101 Resp: 21843
 Ion Ratio Lower Upper
 101 100
 103 63.9 51.2 76.8

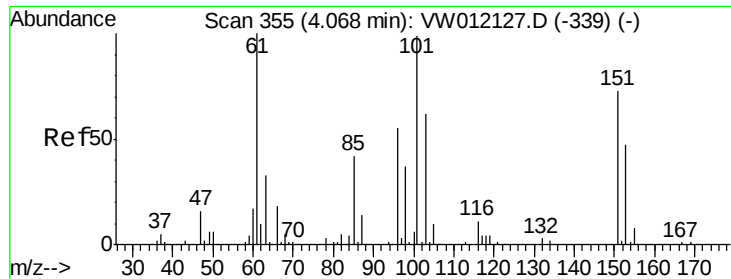


#8

Diethyl Ether
 Concen: 20.947 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012270.D
 Acq: 28 Aug 2019 23:52

Tgt Ion: 74 Resp: 27388
 Ion Ratio Lower Upper
 74 100
 45 117.0 59.2 177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.900 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBS02

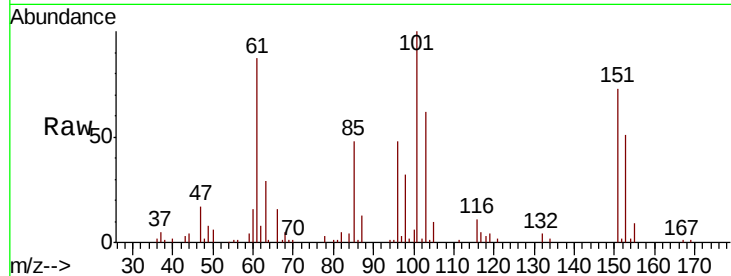
Tgt Ion:101 Resp: 41911

Ion Ratio Lower Upper

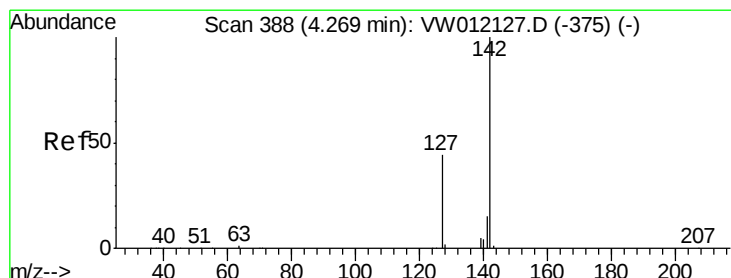
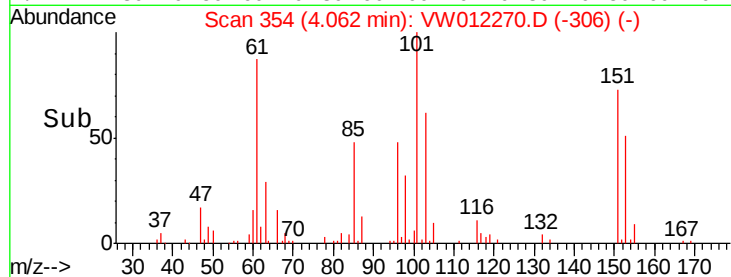
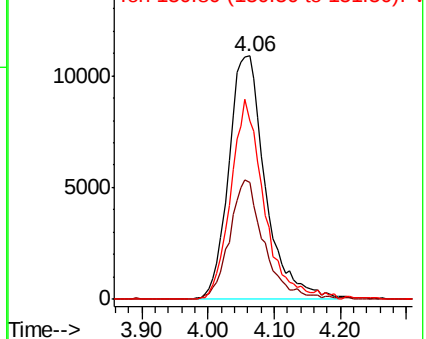
101 100

85 45.8 35.8 53.6

151 74.5 58.6 87.8



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: 17.901 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

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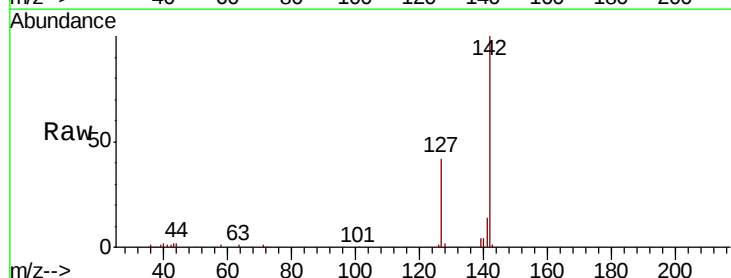
Tgt Ion:142 Resp: 56710

Ion Ratio Lower Upper

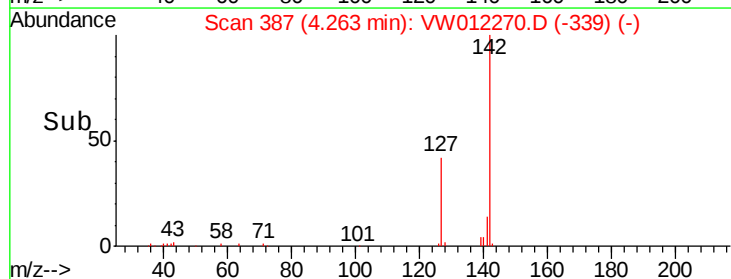
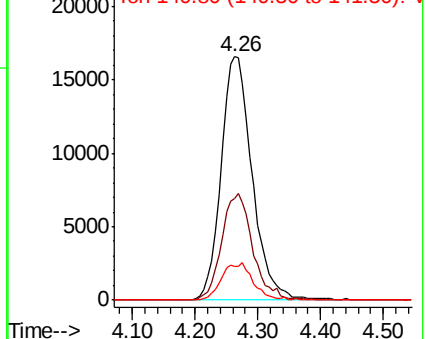
142 100

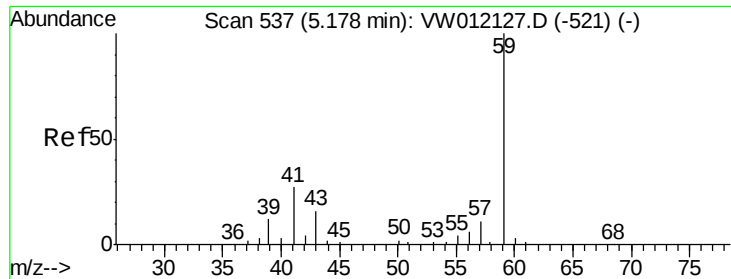
127 43.6 35.5 53.3

141 15.5 11.8 17.8



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

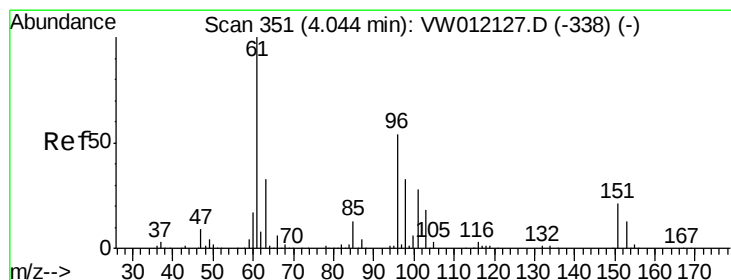
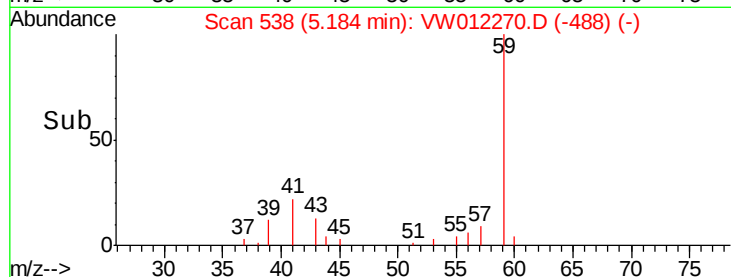
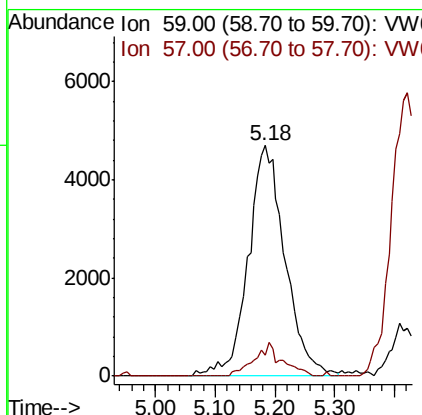
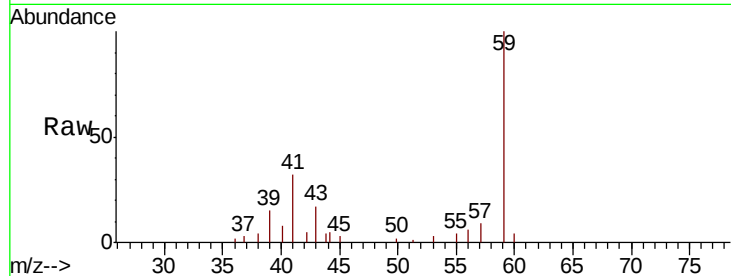




#11
Tert butyl alcohol
Concen: 119.734 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW012270.D
Acq: 28 Aug 2019 23:52

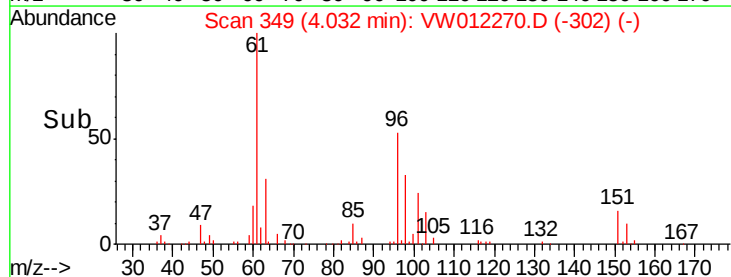
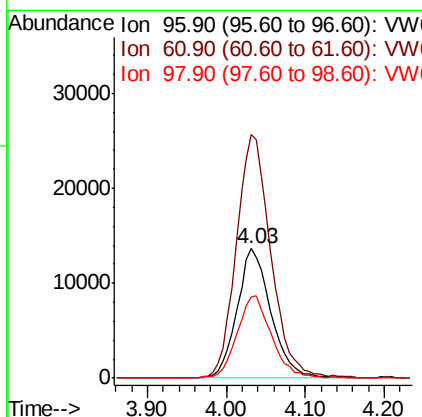
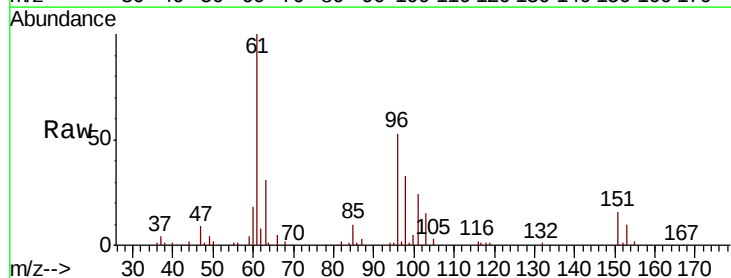
Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS02

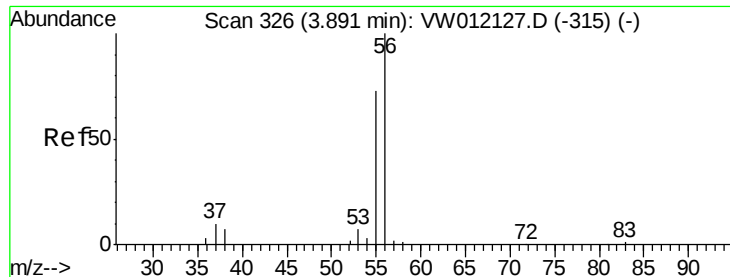
Tgt Ion: 59 Resp: 20125
Ion Ratio Lower Upper
59 100
57 10.9 9.0 13.4



#12
1,1-Dichloroethene
Concen: 17.321 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW012270.D
Acq: 28 Aug 2019 23:52

Tgt Ion: 96 Resp: 40820
Ion Ratio Lower Upper
96 100
61 188.5 149.1 223.7
98 62.3 49.4 74.2

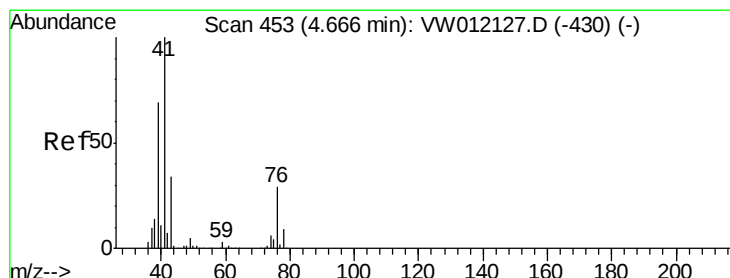
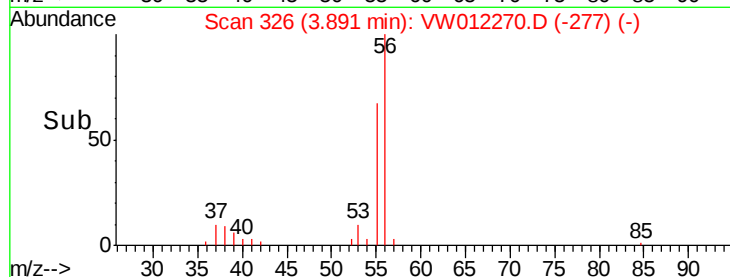
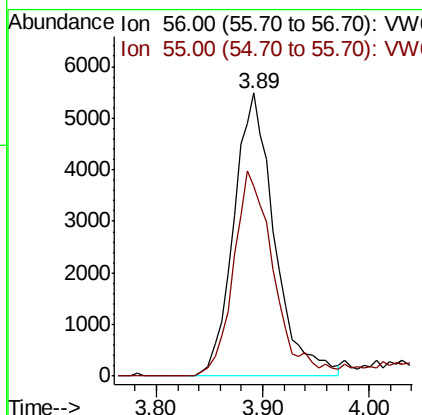
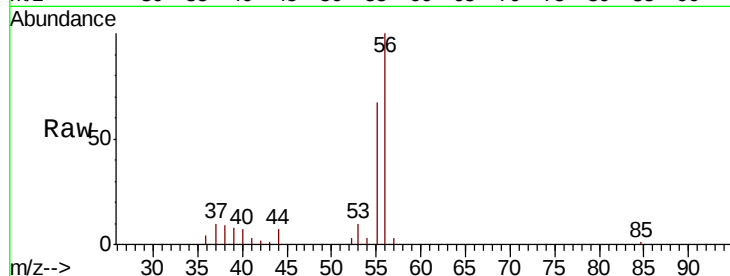




#13
Acrolein
Concen: 92.847 ug/l
RT: 3.89 min Scan# 326
Delta R.T. -0.00 min
Lab File: VW012270.D
Acq: 28 Aug 2019 23:52

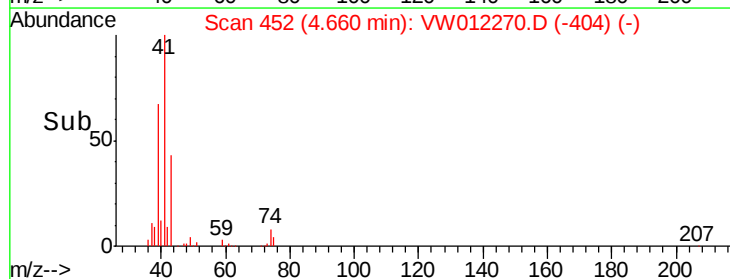
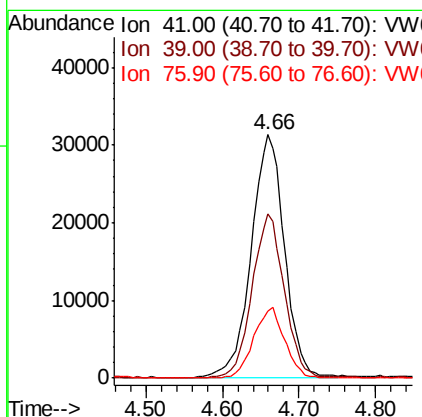
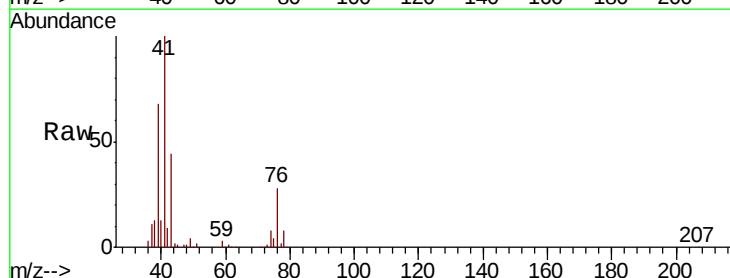
Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS02

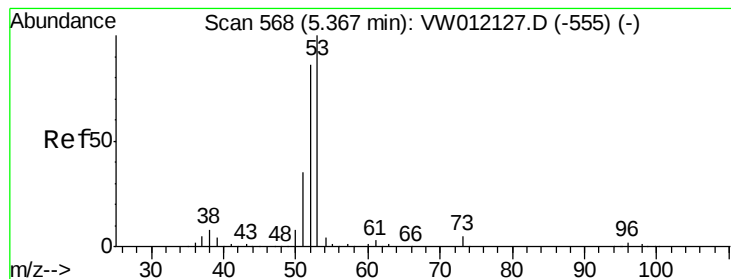
Tgt Ion: 56 Resp: 14690
Ion Ratio Lower Upper
56 100
55 71.6 55.8 83.8



#14
Allyl chloride
Concen: 18.838 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW012270.D
Acq: 28 Aug 2019 23:52

Tgt Ion: 41 Resp: 94911
Ion Ratio Lower Upper
41 100
39 65.6 53.4 80.2
76 27.0 22.1 33.1





#15

Acrylonitrile

Concen: 112.138 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBS02

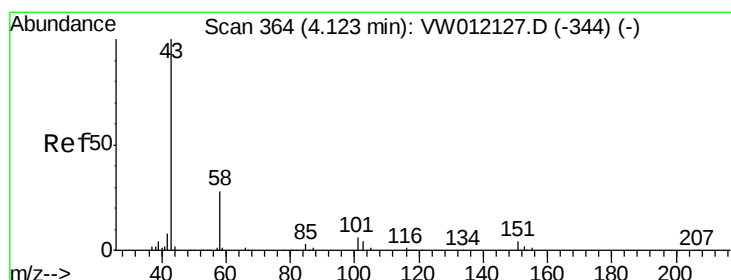
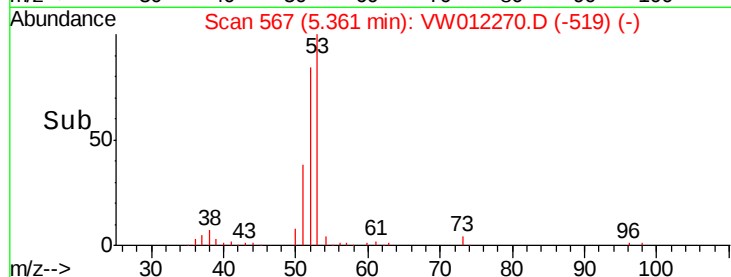
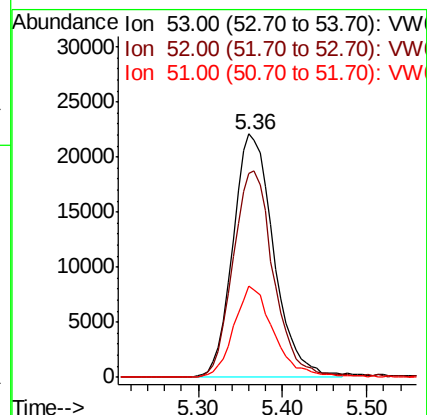
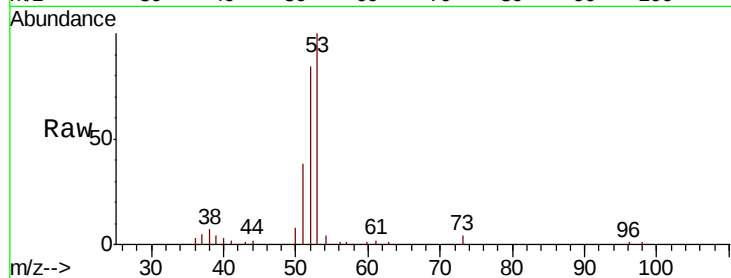
Tgt Ion: 53 Resp: 72674

Ion Ratio Lower Upper

53 100

52 84.0 66.7 100.1

51 36.7 30.1 45.1



#16

Acetone

Concen: 86.990 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW012270.D

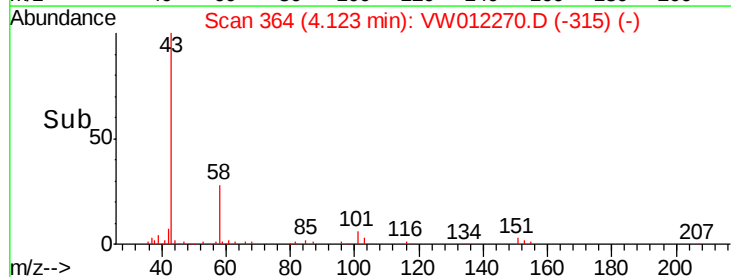
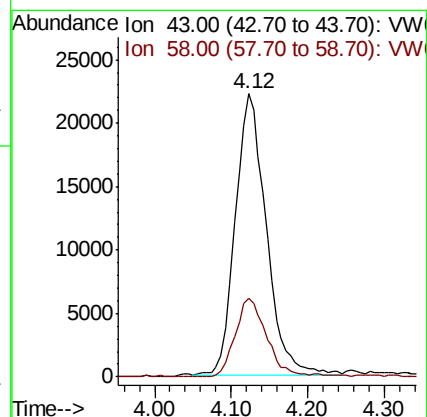
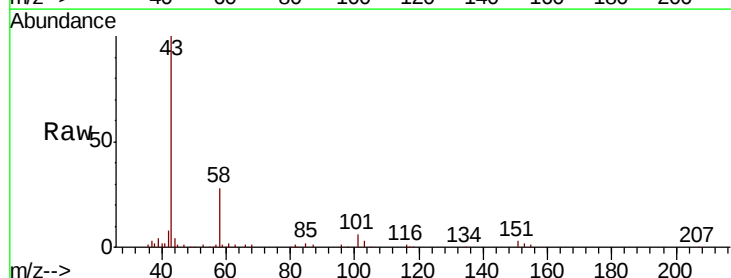
Acq: 28 Aug 2019 23:52

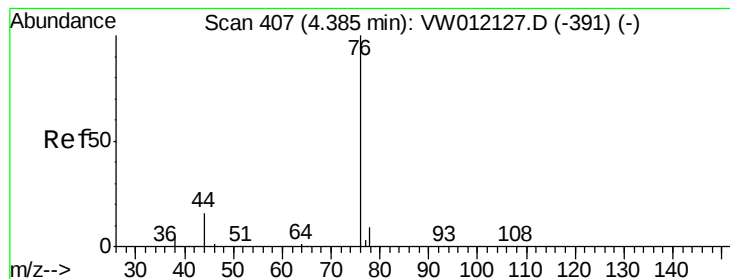
Tgt Ion: 43 Resp: 62106

Ion Ratio Lower Upper

43 100

58 27.8 22.4 33.6





#17

Carbon Disulfide

Concen: 14.632 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

Instrument :

MSVOA_W

ClientSampleId :

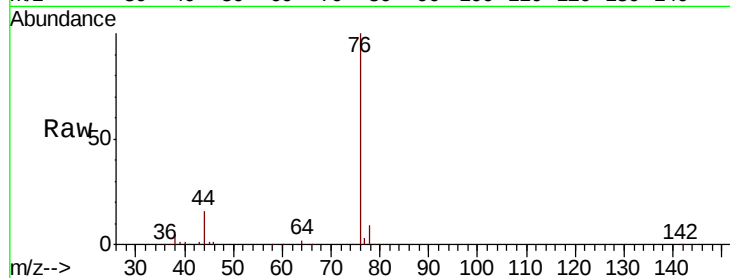
VW0828SBS02

Tgt Ion: 76 Resp: 104215

Ion Ratio Lower Upper

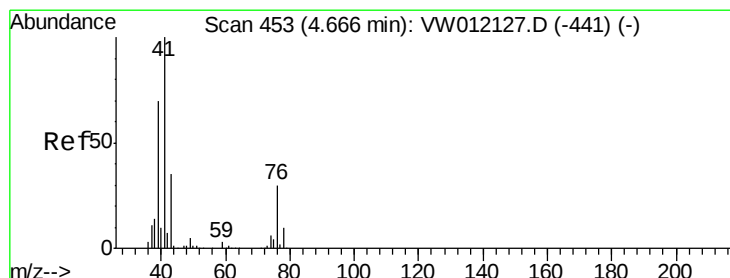
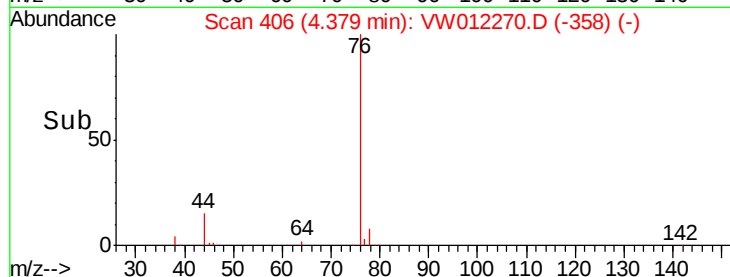
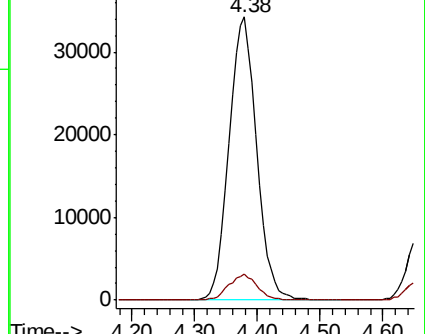
76 100

78 9.0 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 25.385 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012270.D

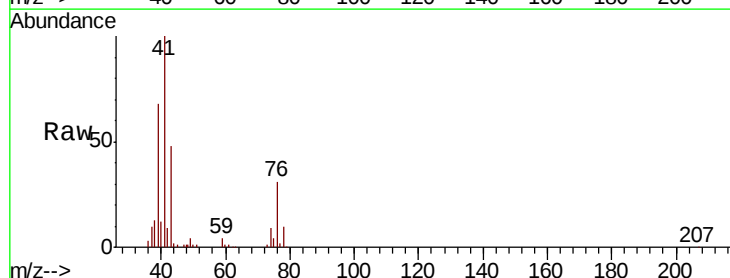
Acq: 28 Aug 2019 23:52

Tgt Ion: 43 Resp: 44888

Ion Ratio Lower Upper

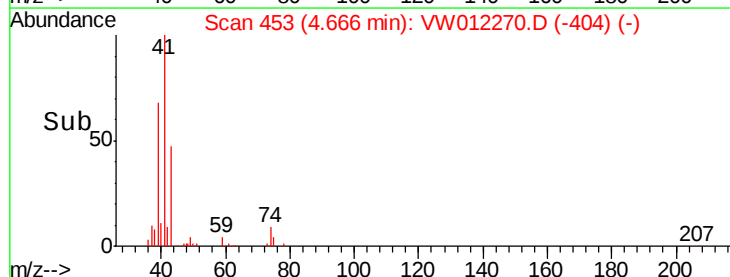
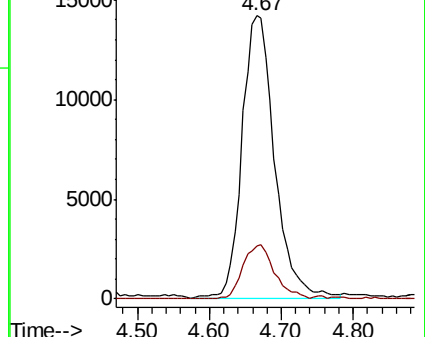
43 100

74 18.5 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

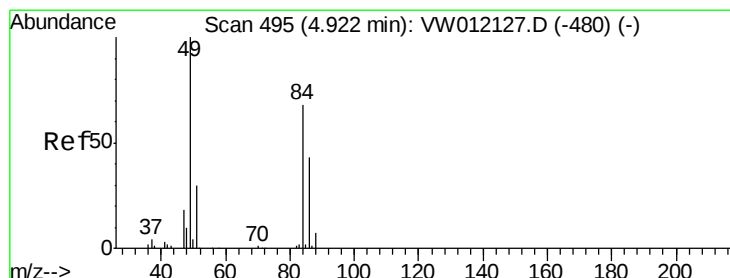
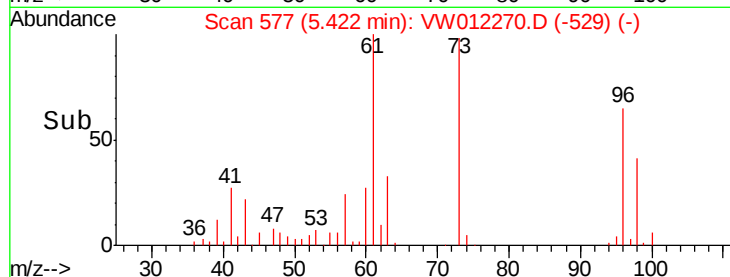
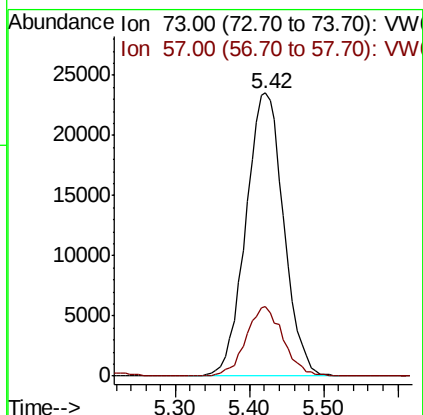
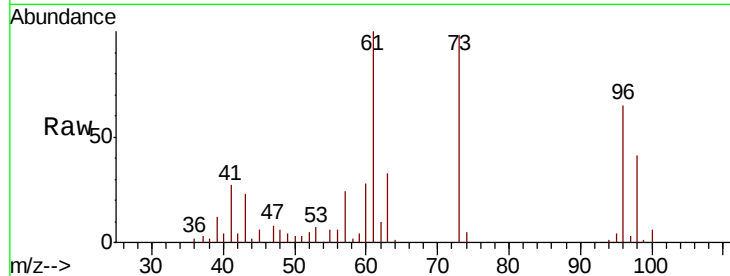




#19
Methyl tert-butyl Ether
Concen: 21.941 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012270.D
Acq: 28 Aug 2019 23:52

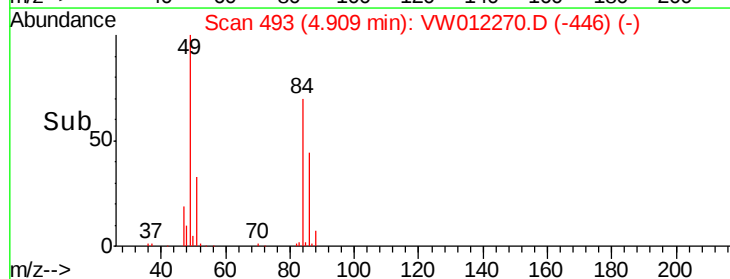
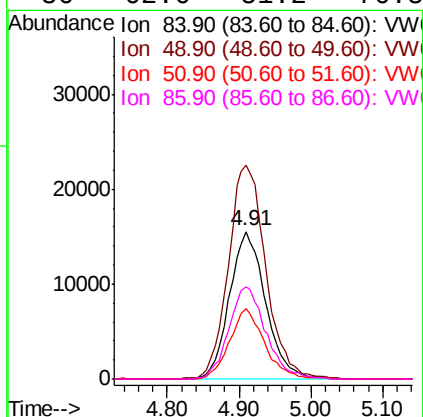
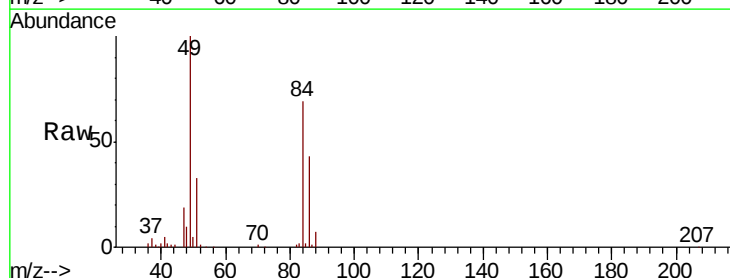
Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS02

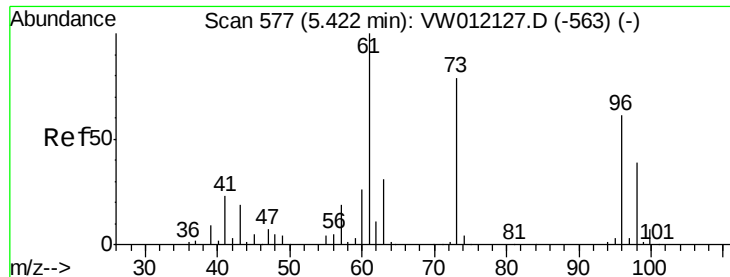
Tgt Ion: 73 Resp: 83619
Ion Ratio Lower Upper
73 100
57 24.5 18.9 28.3



#20
Methylene Chloride
Concen: 20.076 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012270.D
Acq: 28 Aug 2019 23:52

Tgt Ion: 84 Resp: 54186
Ion Ratio Lower Upper
84 100
49 144.0 117.8 176.8
51 48.0 35.6 53.4
86 62.6 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 18.988 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBS02

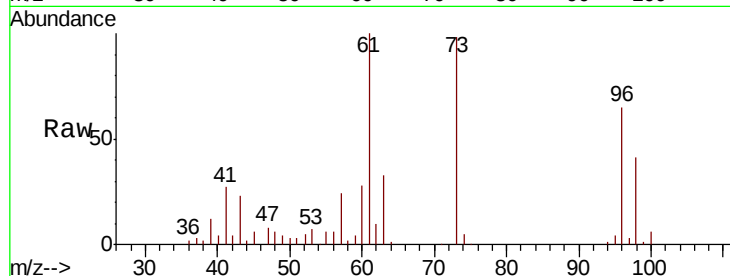
Tgt Ion: 96 Resp: 47985

Ion Ratio Lower Upper

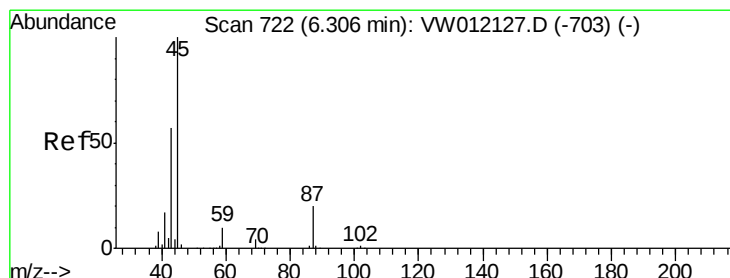
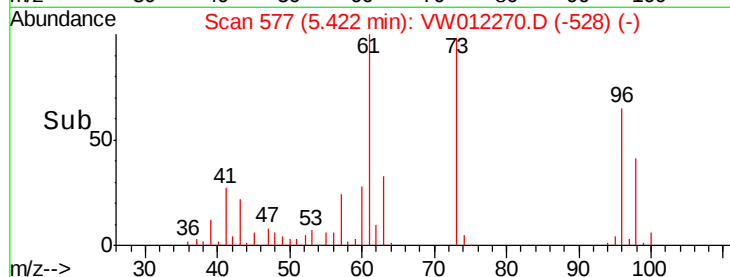
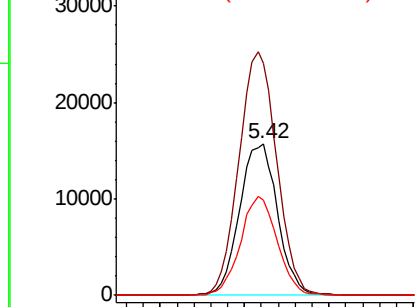
96 100

61 153.5 131.4 197.0

98 63.0 51.4 77.0



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



#22

Diisopropyl ether

Concen: 21.414 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

Tgt Ion: 45 Resp: 199978

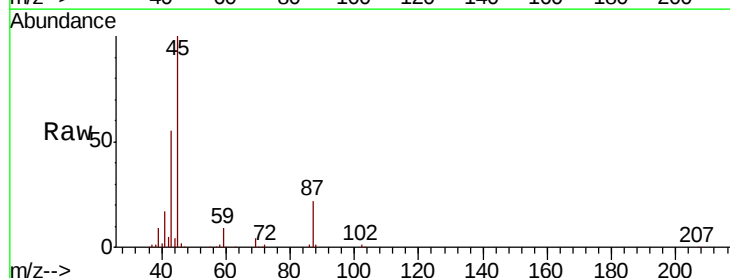
Ion Ratio Lower Upper

45 100

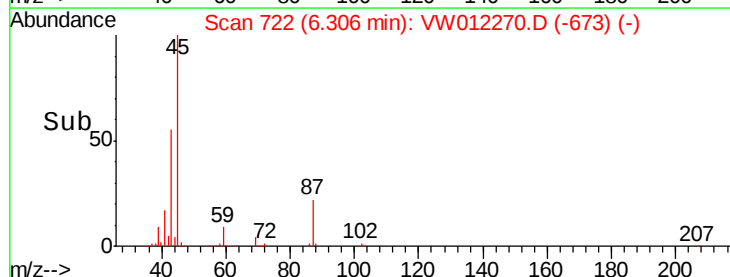
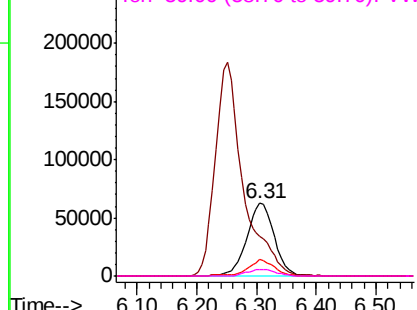
43 54.5 45.5 68.3

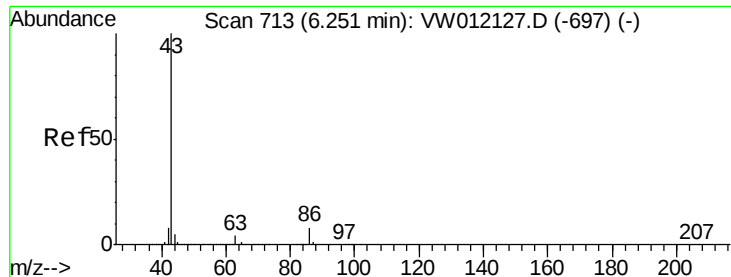
87 22.1 16.1 24.1

59 9.5 8.2 12.2



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 104.406 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

Instrument :

MSVOA_W

ClientSampleId :

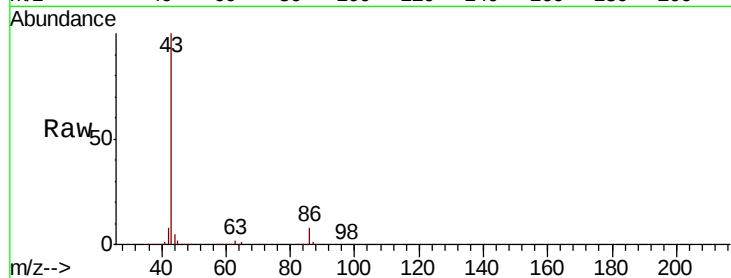
VW0828SBS02

Tgt Ion: 43 Resp: 600048

Ion Ratio Lower Upper

43 100

86 7.8 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

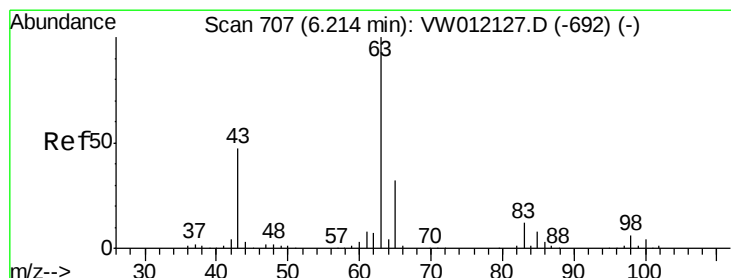
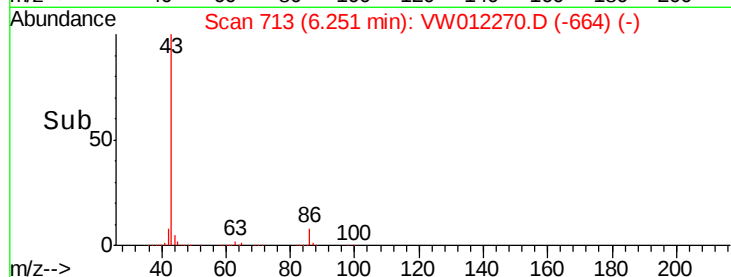
100000

50000

0

6.20 6.40

Time-->



#24

1,1-Dichloroethane

Concen: 19.898 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

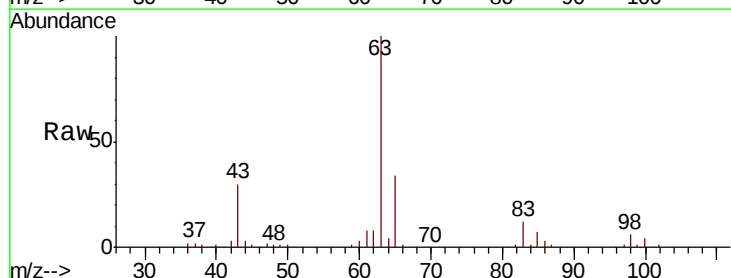
Tgt Ion: 63 Resp: 101178

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

100 4.1 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

40000

30000

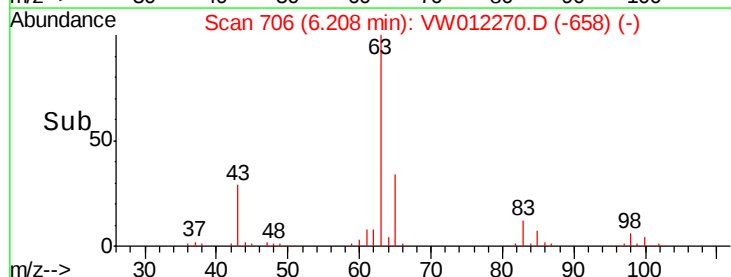
20000

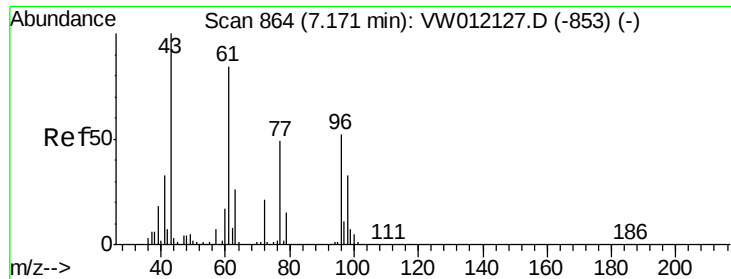
10000

0

6.10 6.20 6.30

Time-->





#25

2-Butanone

Concen: 103.197 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

Instrument :

MSVOA_W

ClientSampleId :

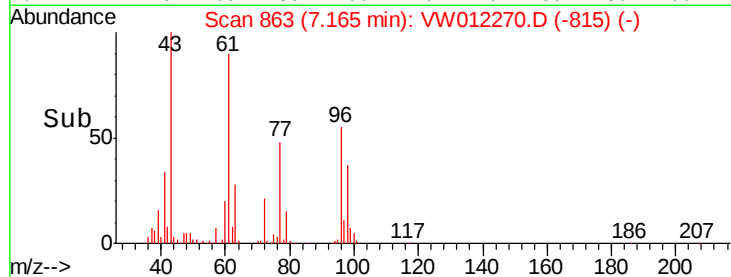
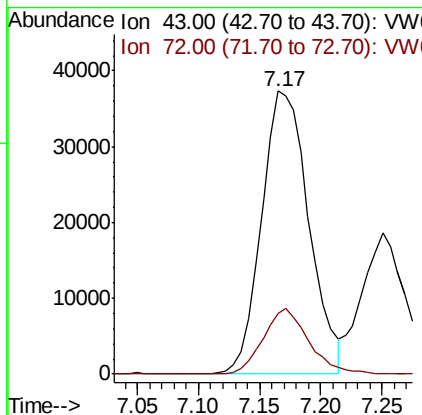
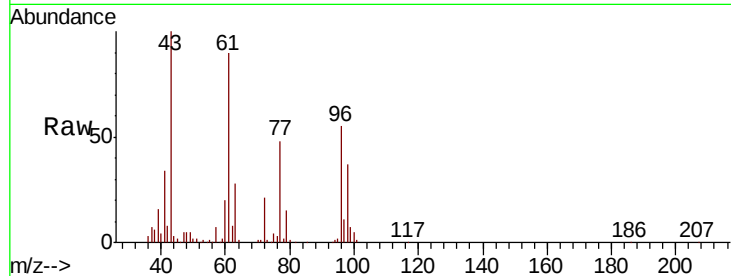
VW0828SBS02

Tgt Ion: 43 Resp: 100119

Ion Ratio Lower Upper

43 100

72 21.4 16.6 24.8



#26

2,2-Dichloropropane

Concen: 18.126 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW012270.D

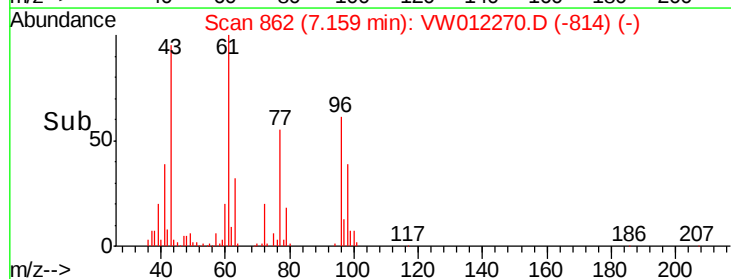
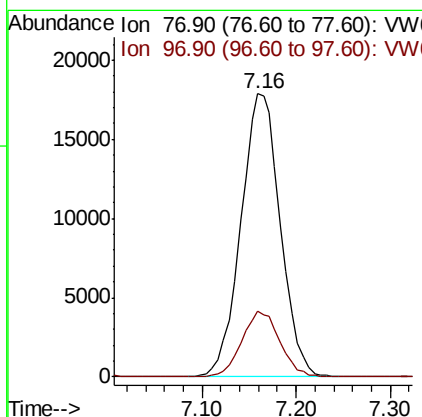
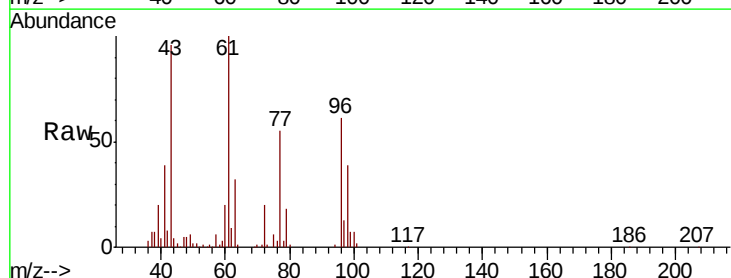
Acq: 28 Aug 2019 23:52

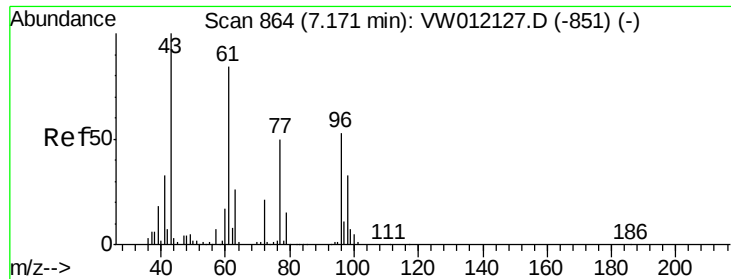
Tgt Ion: 77 Resp: 52167

Ion Ratio Lower Upper

77 100

97 22.5 11.1 33.1

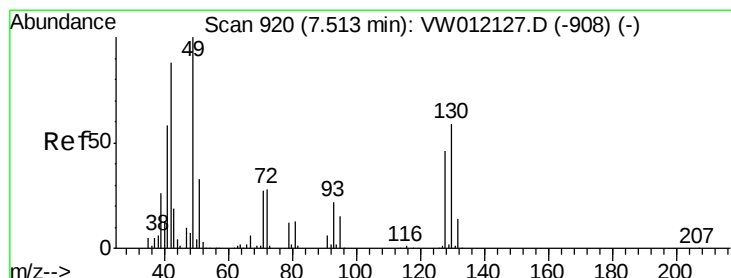
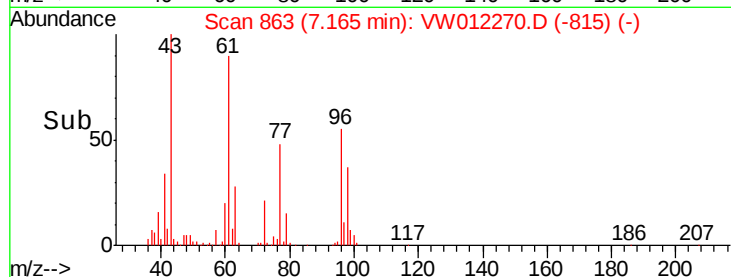
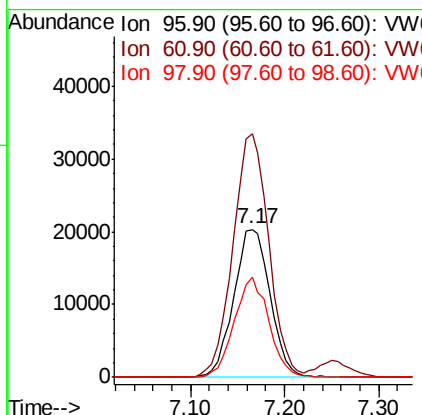
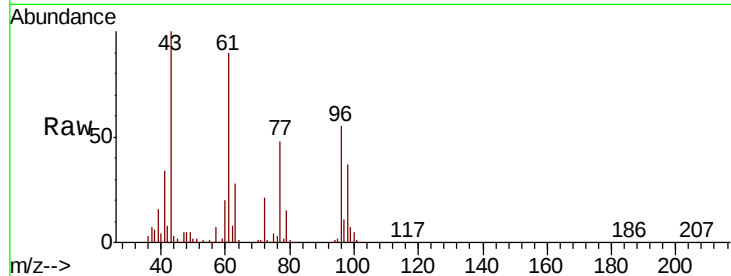




#27
 cis-1,2-Dichloroethene
 Concen: 20.342 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012270.D
 Acq: 28 Aug 2019 23:52

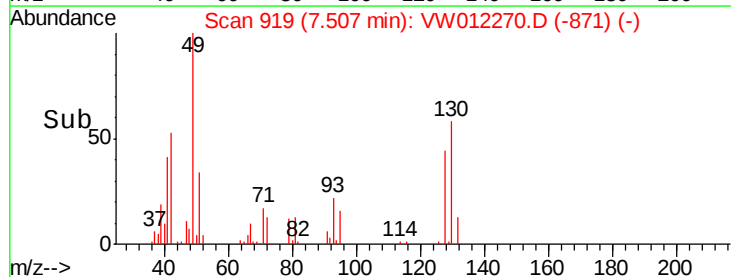
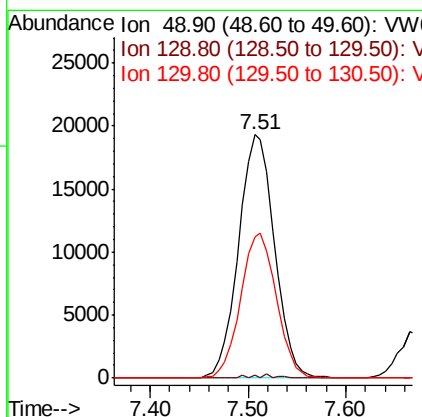
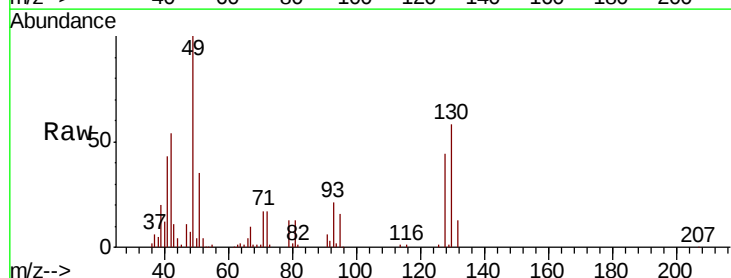
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0828SBS02

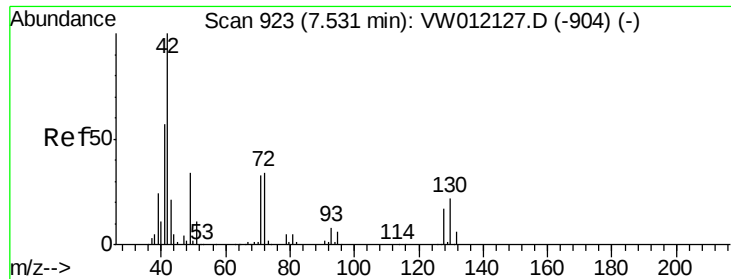
Tgt Ion: 96 Resp: 54925
 Ion Ratio Lower Upper
 96 100
 61 161.5 0.0 326.6
 98 64.3 0.0 127.4



#28
 Bromochloromethane
 Concen: 22.191 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW012270.D
 Acq: 28 Aug 2019 23:52

Tgt Ion: 49 Resp: 49180
 Ion Ratio Lower Upper
 49 100
 129 0.2 0.0 1.4
 130 59.3 45.5 68.3

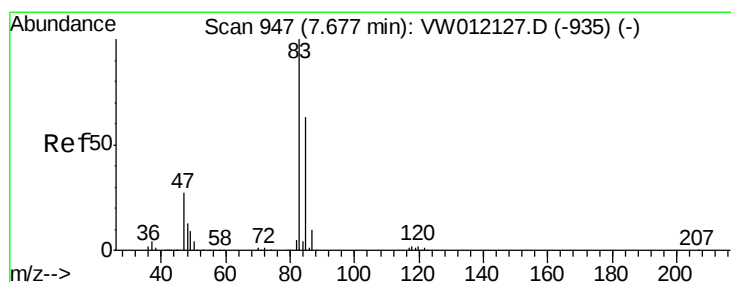
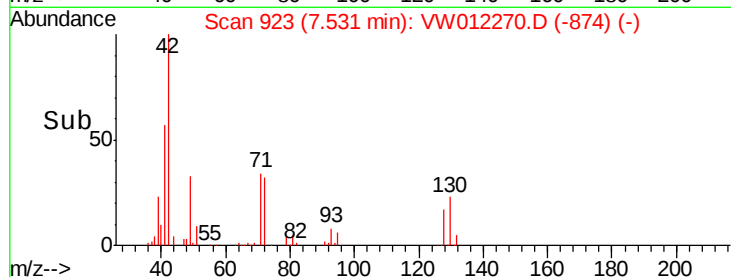
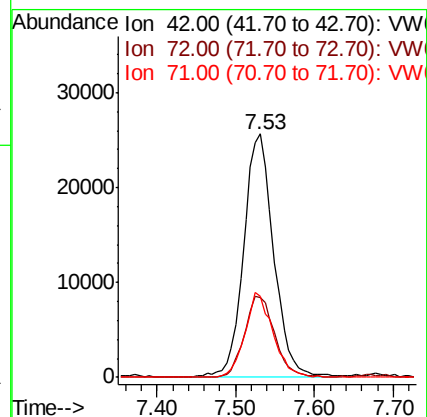
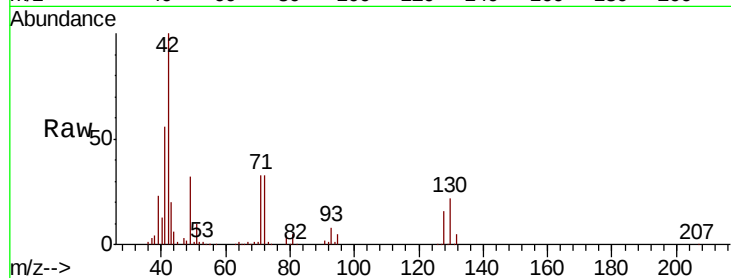




#29
Tetrahydrofuran
Concen: 117.096 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012270.D
Acq: 28 Aug 2019 23:52

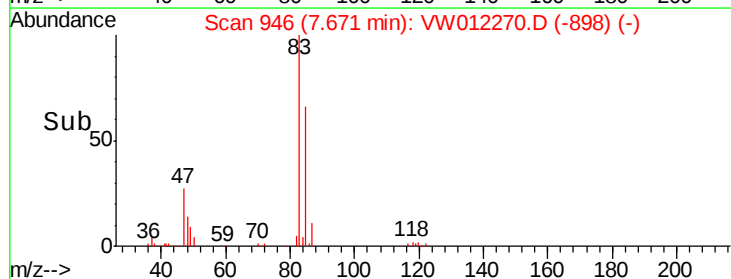
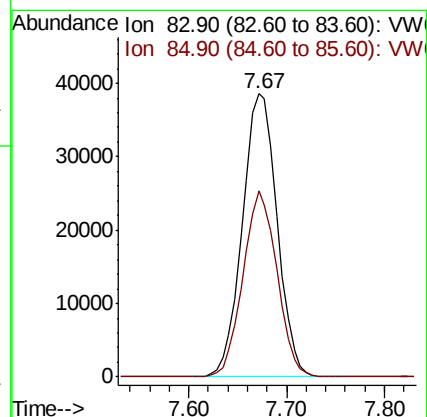
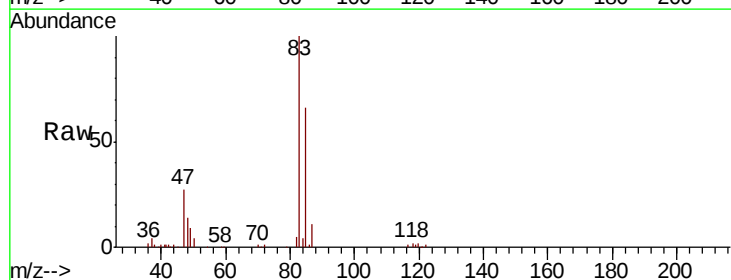
Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS02

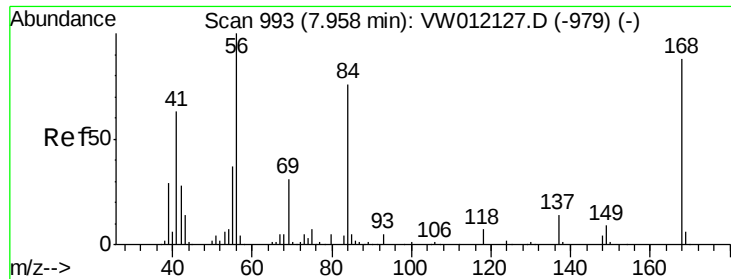
Tgt Ion: 42 Resp: 68157
Ion Ratio Lower Upper
42 100
72 33.5 27.3 40.9
71 32.3 25.5 38.3



#30
Chloroform
Concen: 20.468 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012270.D
Acq: 28 Aug 2019 23:52

Tgt Ion: 83 Resp: 95219
Ion Ratio Lower Upper
83 100
85 65.6 50.6 76.0

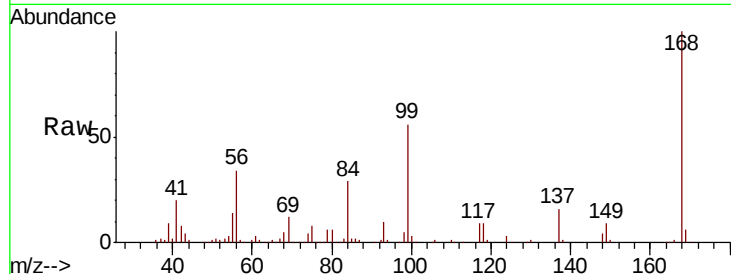




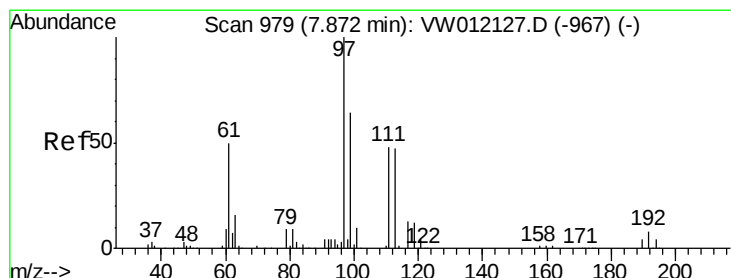
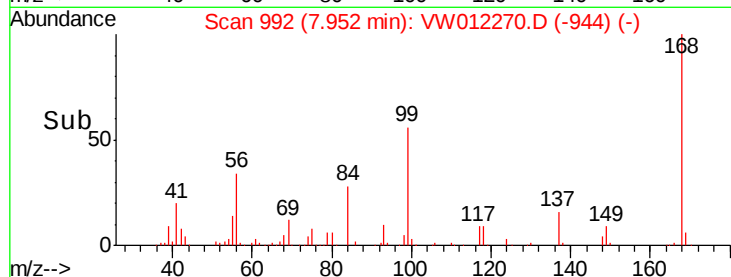
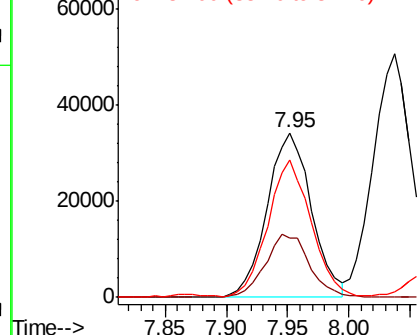
#31
Cyclohexane
Concen: 17.209 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW012270.D
Acq: 28 Aug 2019 23:52

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS02

Tgt Ion: 56 Resp: 86576
Ion Ratio Lower Upper
56 100
69 36.1 24.9 37.3
84 82.0 60.6 90.8

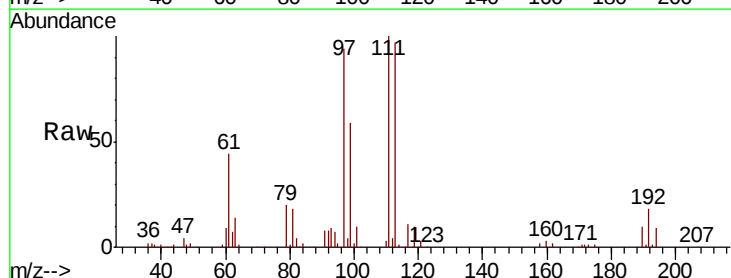


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

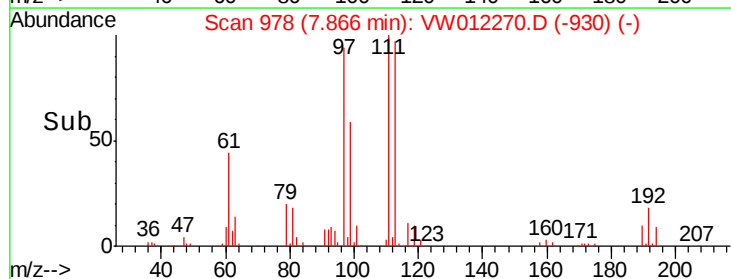
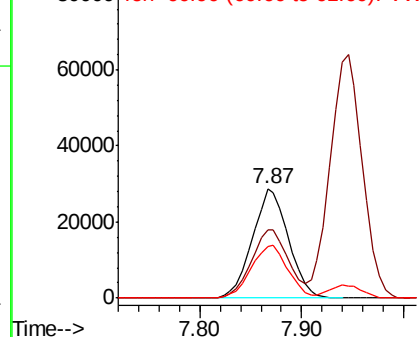


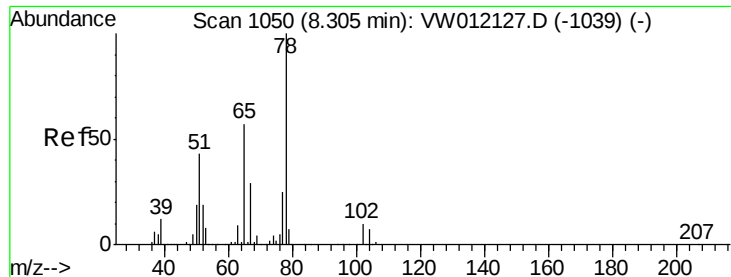
#32
1,1,1-Trichloroethane
Concen: 19.150 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW012270.D
Acq: 28 Aug 2019 23:52

Tgt Ion: 97 Resp: 70474
Ion Ratio Lower Upper
97 100
99 64.4 51.4 77.0
61 49.4 39.5 59.3



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

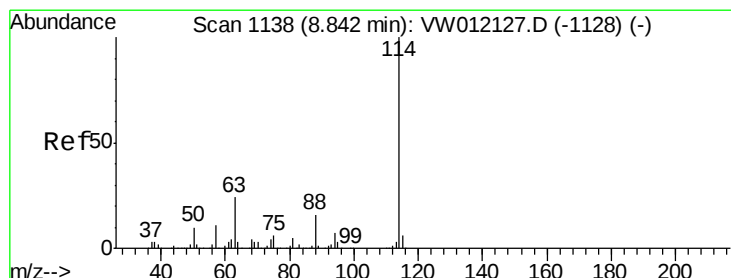
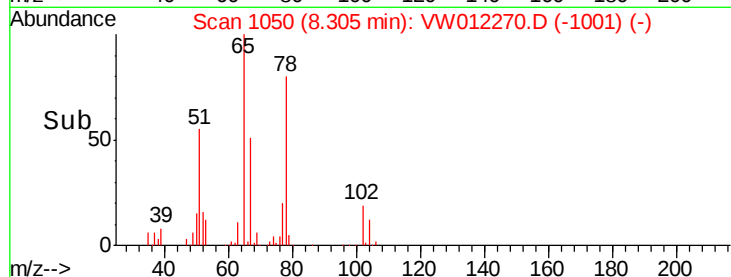
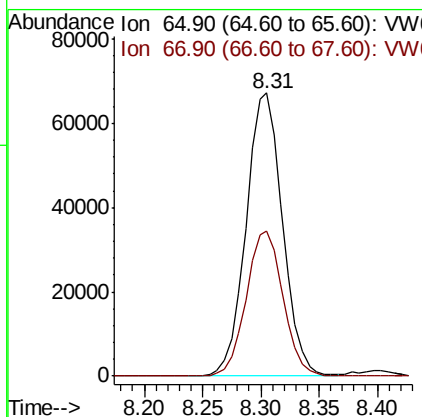
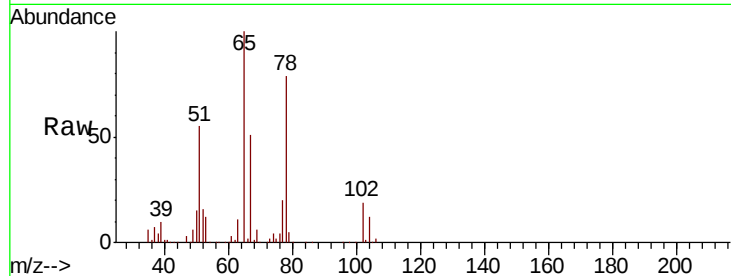




#33
 1,2-Dichloroethane-d4
 Concen: 52.440 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012270.D
 Acq: 28 Aug 2019 23:52

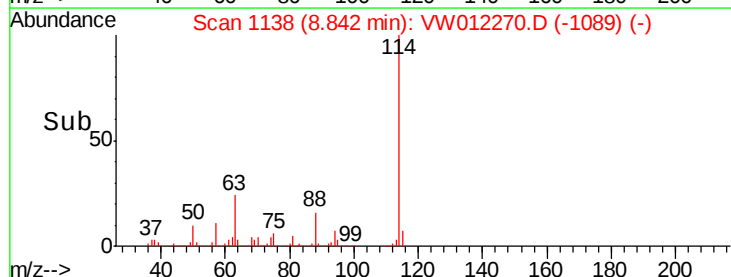
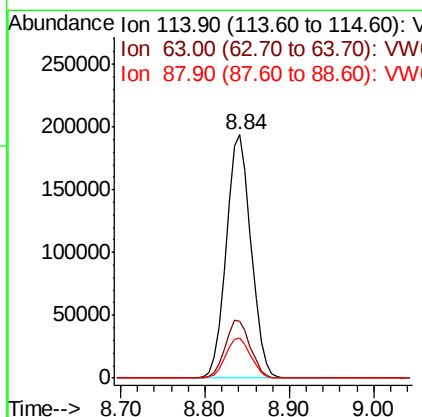
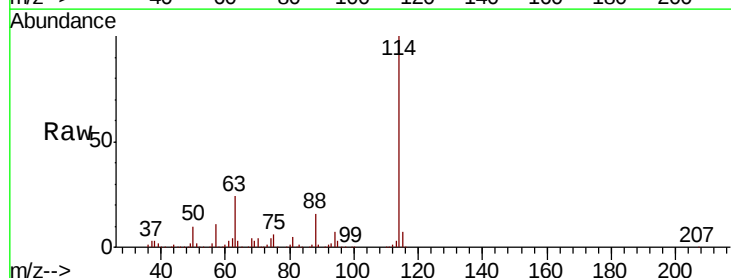
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0828SBS02

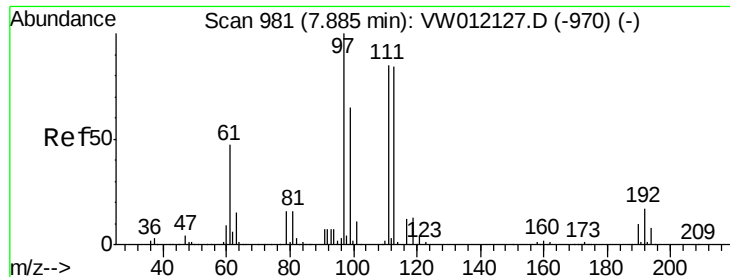
Tgt Ion: 65 Resp: 146464
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012270.D
 Acq: 28 Aug 2019 23:52

Tgt Ion: 114 Resp: 387186
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 48.6
 88 16.4 0.0 32.2

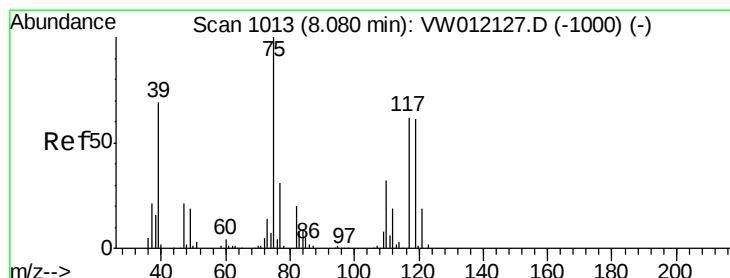
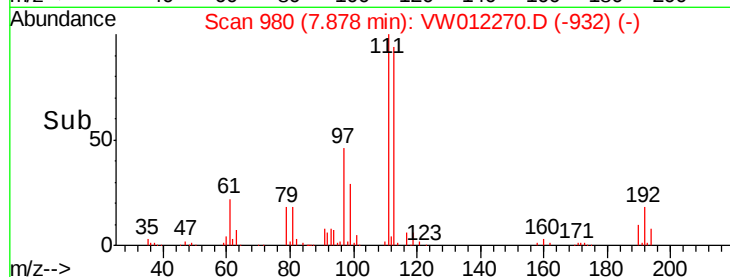
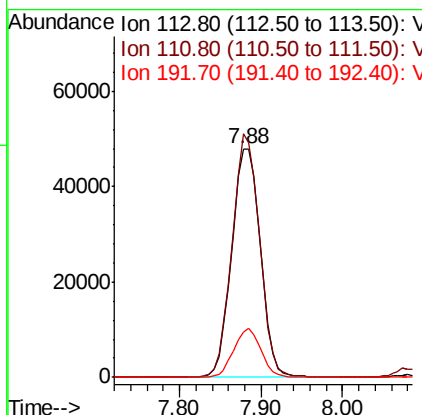
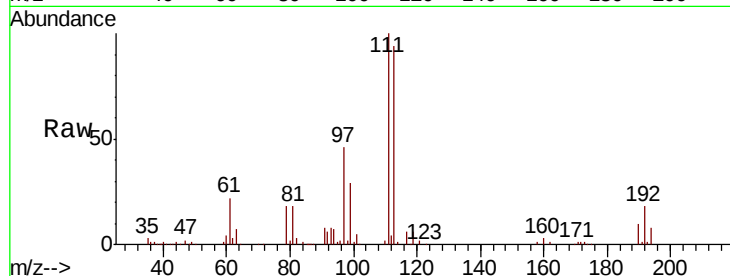




#35
 Dibromofluoromethane
 Concen: 50.273 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012270.D
 Acq: 28 Aug 2019 23:52

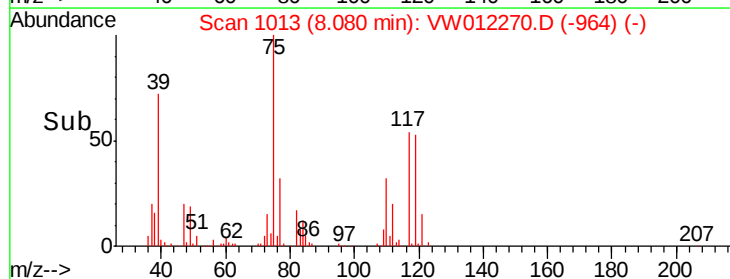
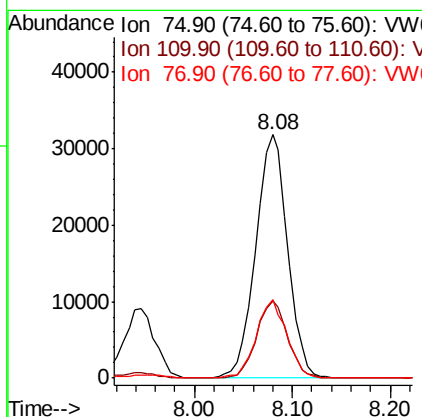
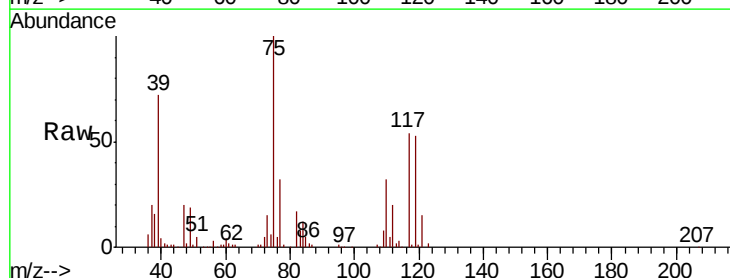
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0828SBS02

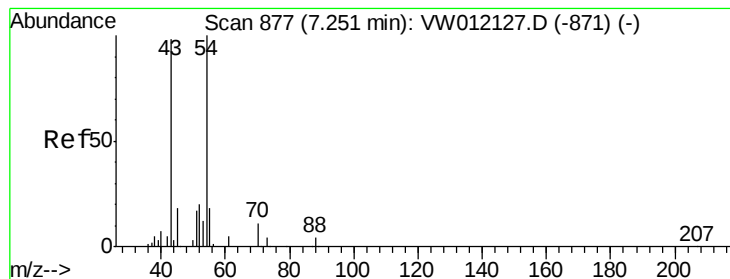
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.7	124.1
192	20.2	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 18.064 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012270.D
 Acq: 28 Aug 2019 23:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.9	15.6	46.8
77	31.4	24.6	36.8





#37

Ethyl Acetate

Concen: 21.615 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBS02

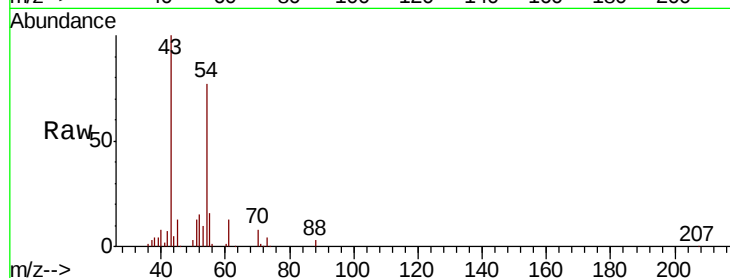
Tgt Ion: 43 Resp: 47393

Ion Ratio Lower Upper

43 100

61 11.9 9.2 13.8

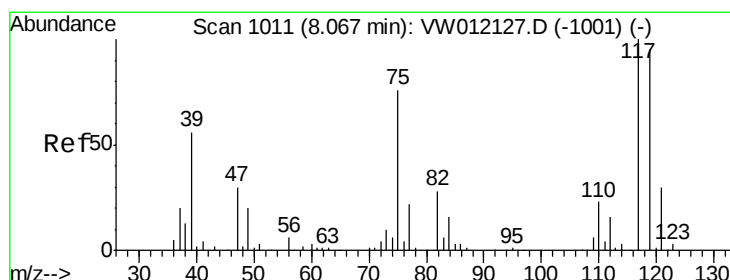
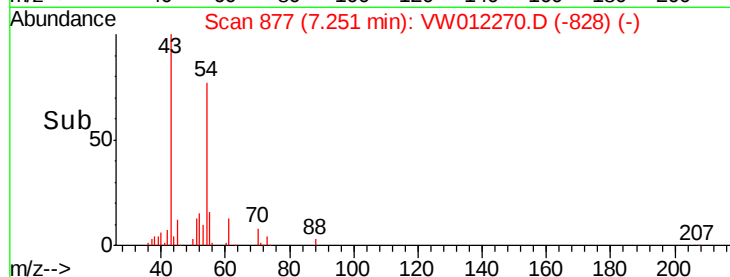
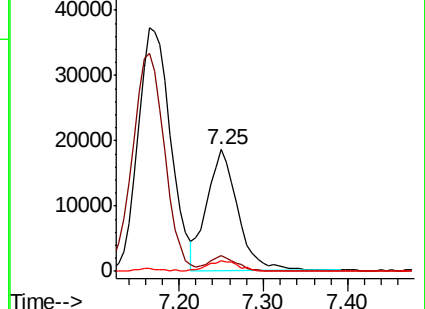
70 8.8 6.9 10.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 18.060 ug/l

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

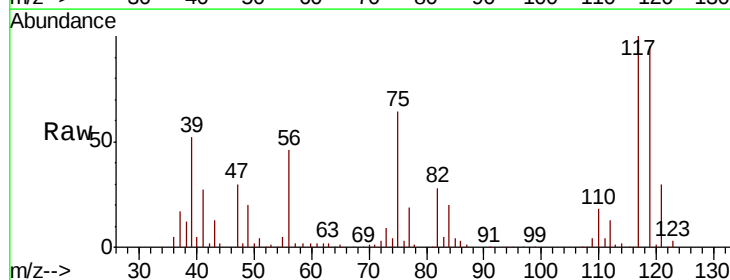
Tgt Ion: 117 Resp: 62543

Ion Ratio Lower Upper

117 100

119 95.5 76.2 114.2

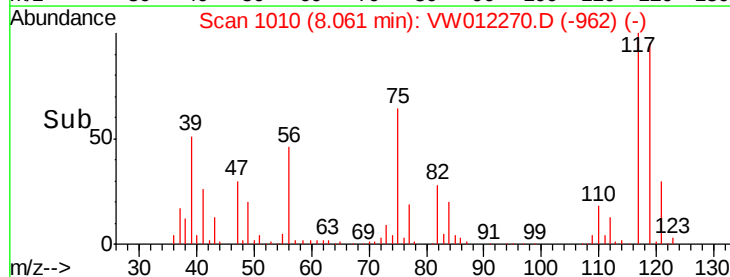
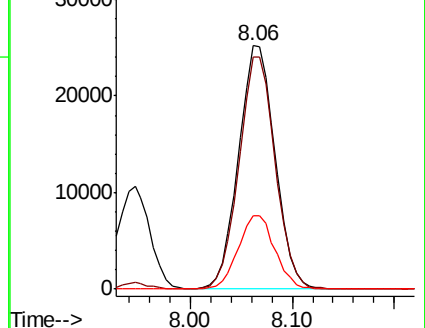
121 30.1 23.8 35.8

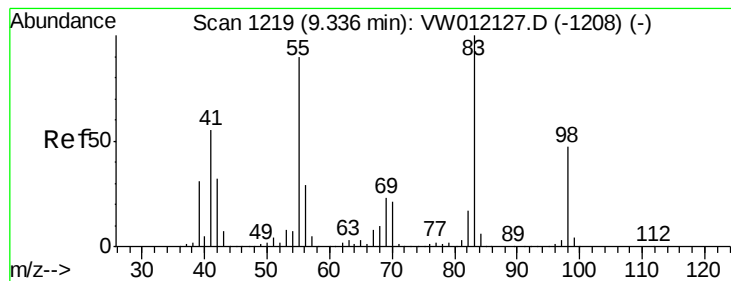


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#39

Methylcyclohexane

Concen: 17.226 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBS02

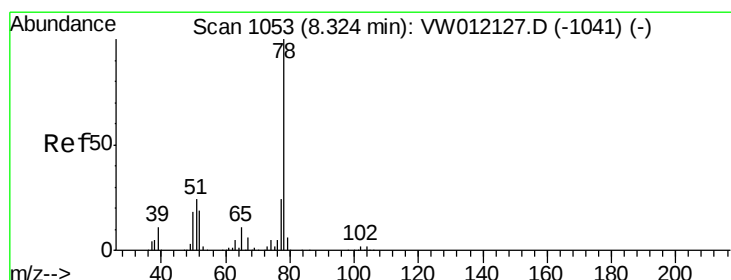
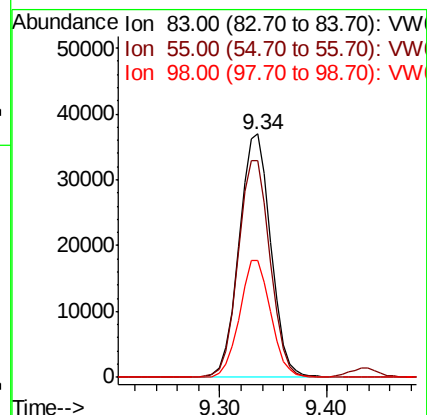
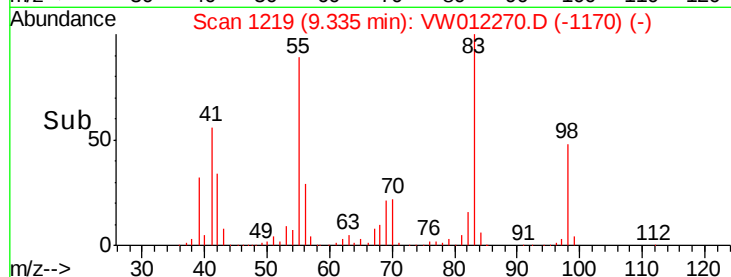
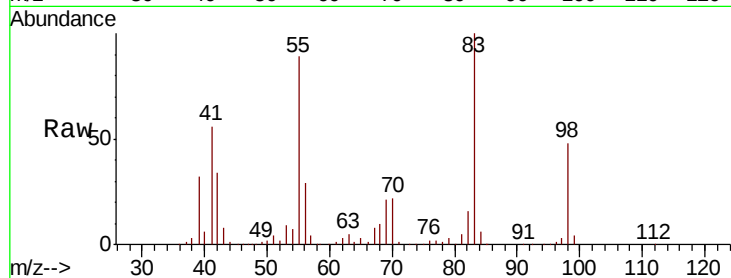
Tgt Ion: 83 Resp: 77429

Ion Ratio Lower Upper

83 100

55 89.1 71.8 107.8

98 48.0 37.8 56.8



#40

Benzene

Concen: 19.249 ug/l

RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VW012270.D

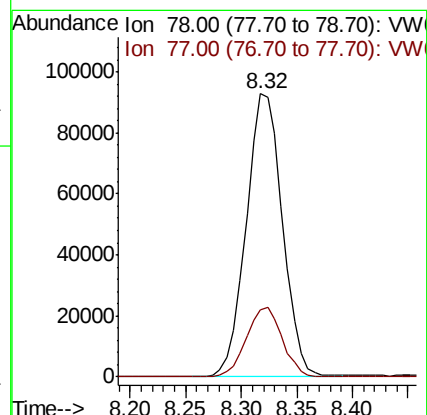
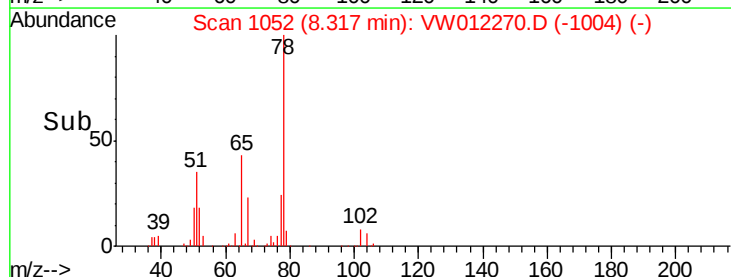
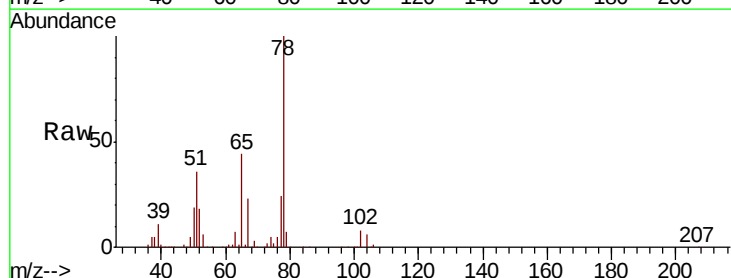
Acq: 28 Aug 2019 23:52

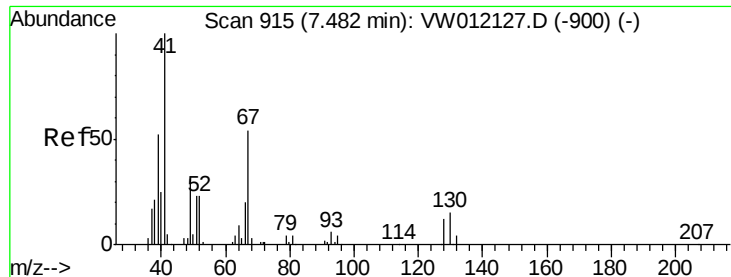
Tgt Ion: 78 Resp: 210307

Ion Ratio Lower Upper

78 100

77 23.9 19.5 29.3

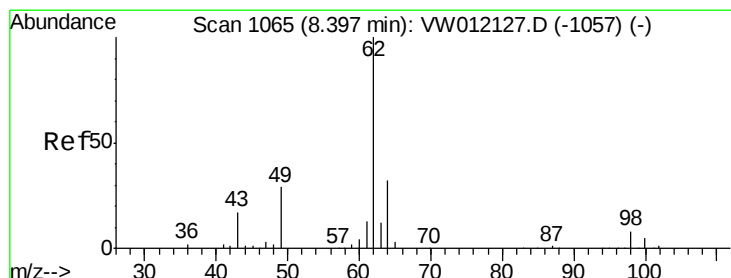
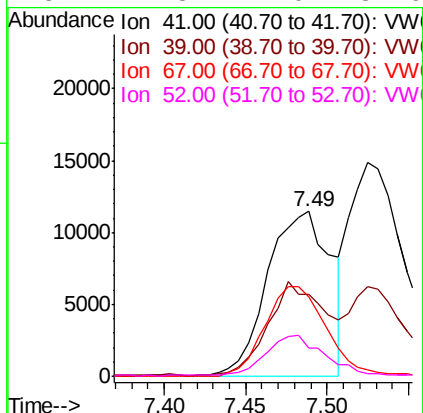
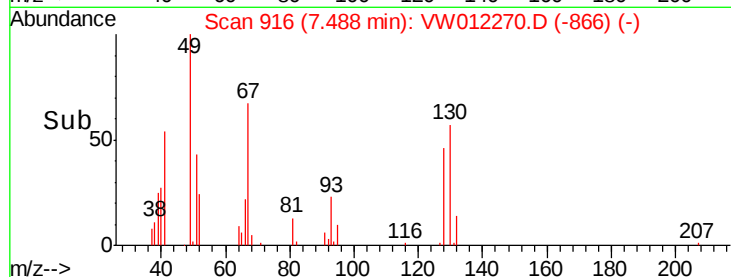
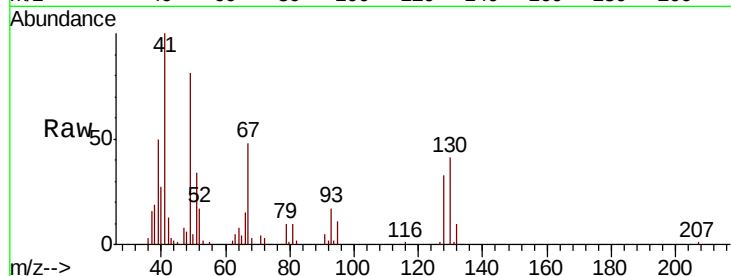




#41
Methacrylonitrile
Concen: 23.972 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW012270.D
Acq: 28 Aug 2019 23:52

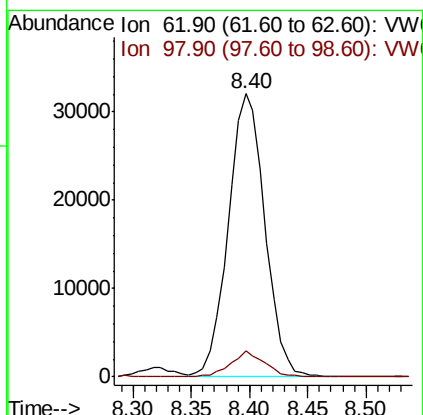
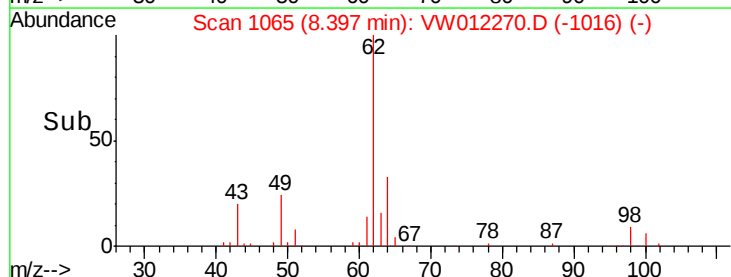
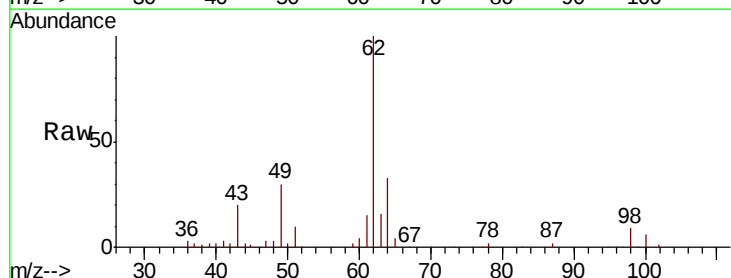
Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS02

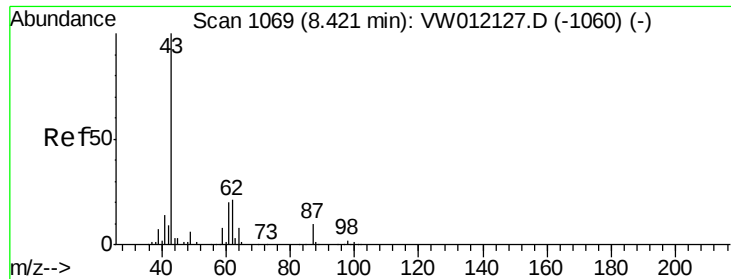
Tgt Ion:	41	Resp:	30891
Ion	Ratio	Lower	Upper
41	100		
39	52.6	45.8	68.8
67	53.2	46.2	69.4
52	24.3	21.0	31.6



#42
1,2-Dichloroethane
Concen: 20.473 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012270.D
Acq: 28 Aug 2019 23:52

Tgt Ion:	62	Resp:	70102
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.6





#43

Isopropyl Acetate

Concen: 21.438 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBS02

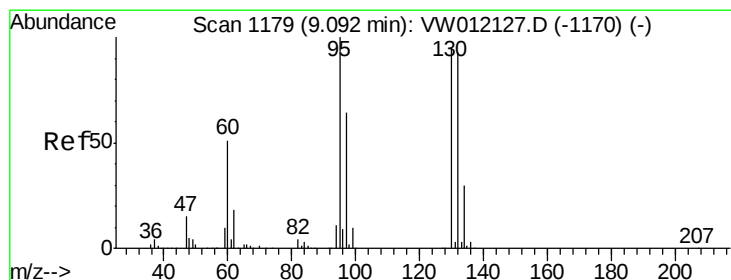
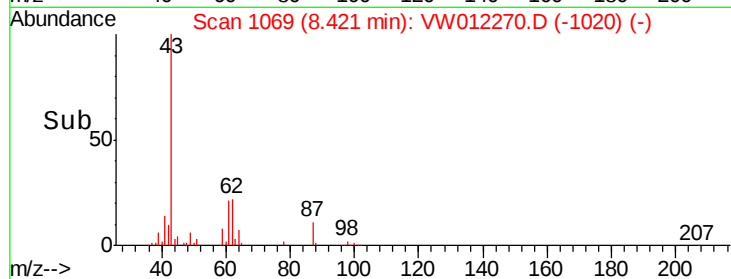
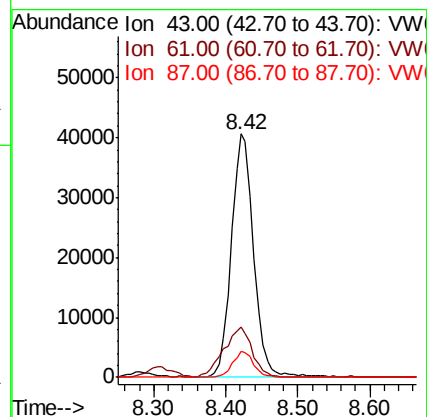
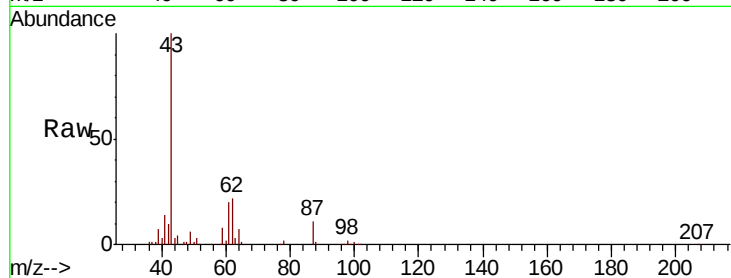
Tgt Ion: 43 Resp: 87065

Ion Ratio Lower Upper

43 100

61 26.4 21.1 31.7

87 10.1 8.2 12.2



#44

Trichloroethene

Concen: 19.215 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW012270.D

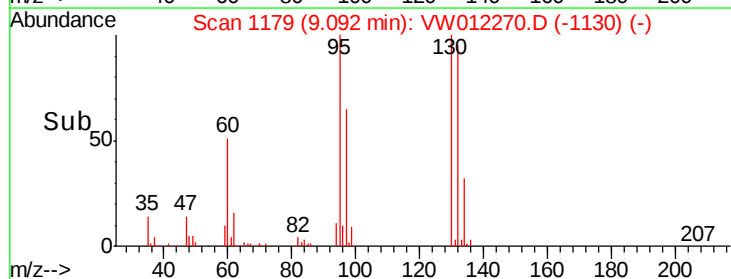
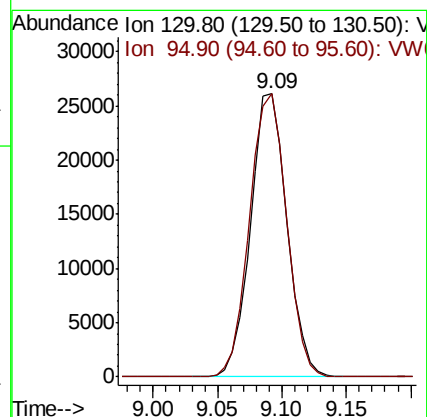
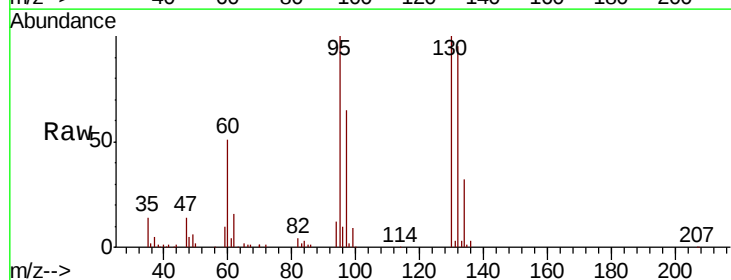
Acq: 28 Aug 2019 23:52

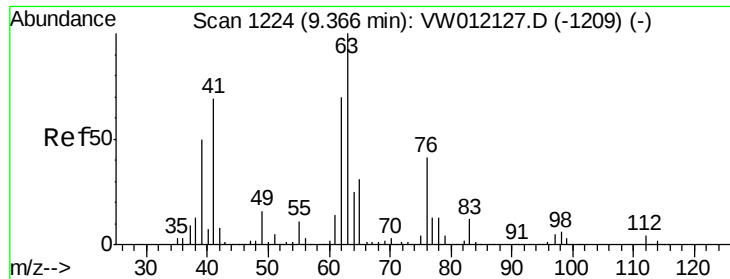
Tgt Ion: 130 Resp: 51032

Ion Ratio Lower Upper

130 100

95 100.0 0.0 210.6





#45

1,2-Dichloropropane

Concen: 20.007 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

Instrument :

MSVOA_W

ClientSampleId :

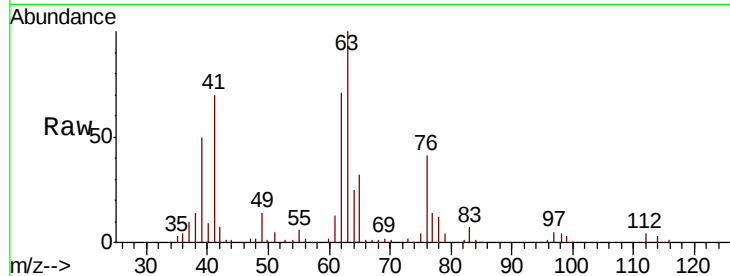
VW0828SBS02

Tgt Ion: 63 Resp: 58827

Ion Ratio Lower Upper

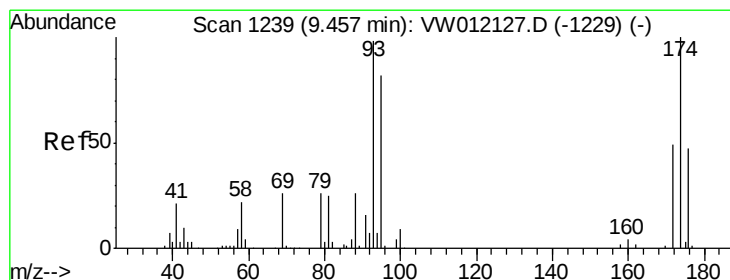
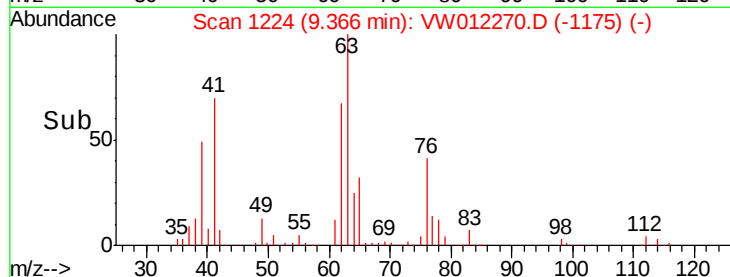
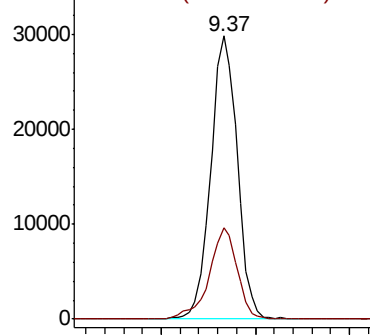
63 100

65 32.3 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 20.774 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

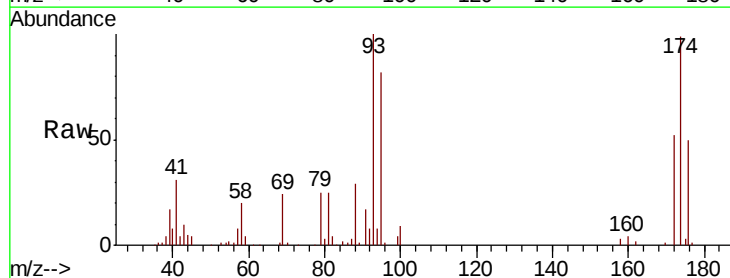
Tgt Ion: 93 Resp: 27178

Ion Ratio Lower Upper

93 100

95 82.9 67.2 100.8

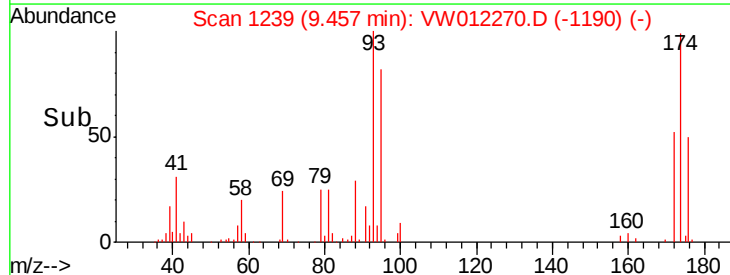
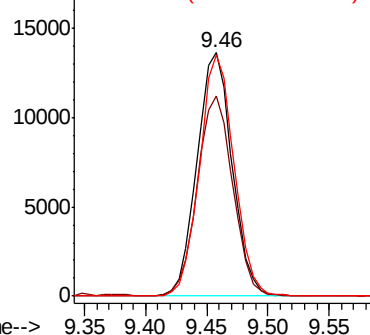
174 97.2 79.0 118.6



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.894 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBS02

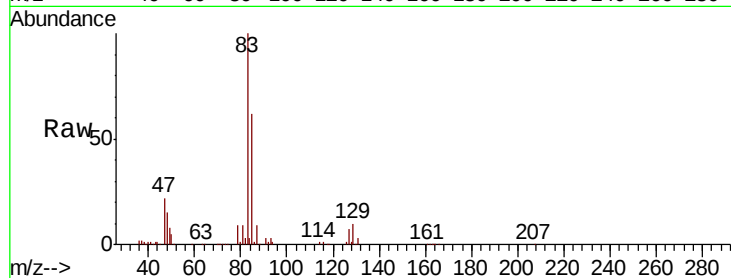
Tgt Ion: 83 Resp: 69268

Ion Ratio Lower Upper

83 100

85 62.3 49.4 74.2

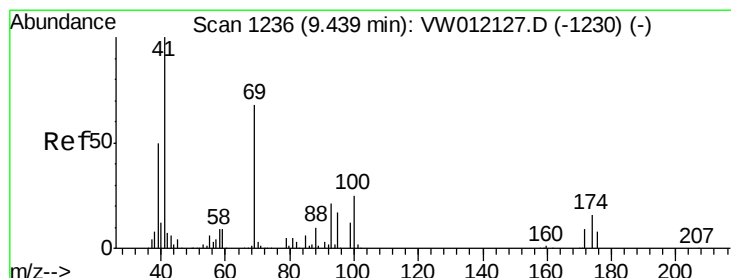
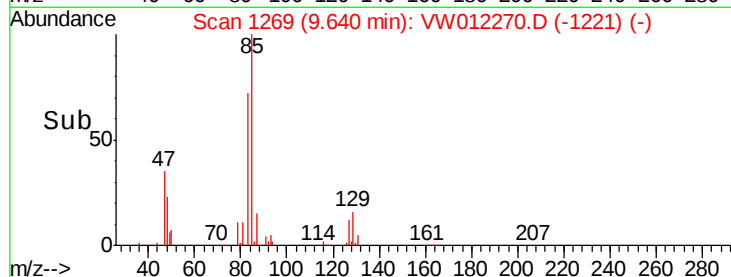
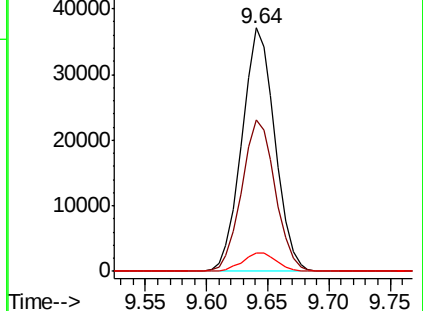
127 7.3 6.1 9.1



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 21.189 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

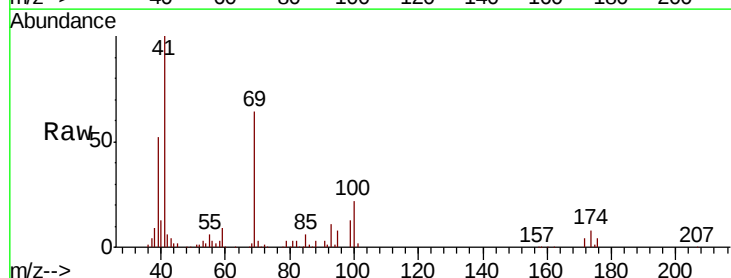
Tgt Ion: 41 Resp: 40957

Ion Ratio Lower Upper

41 100

69 71.3 56.7 85.1

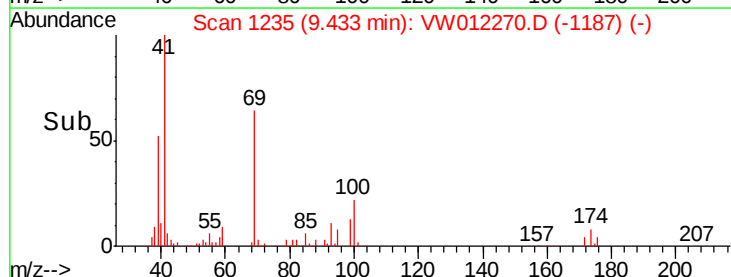
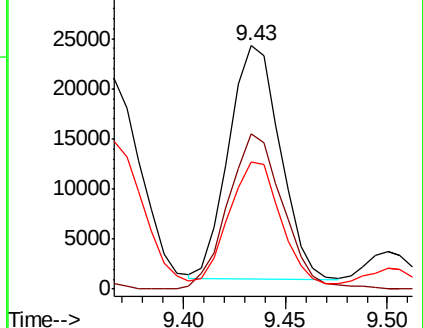
39 56.6 42.0 63.0

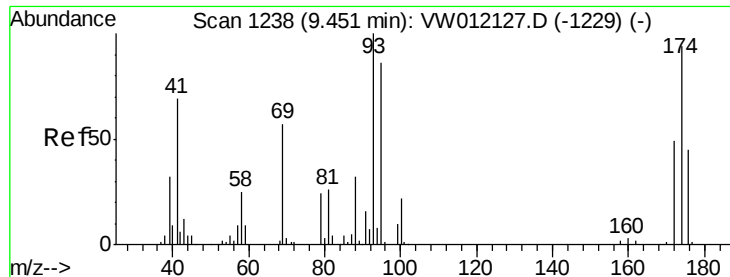


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 440.240 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBS02

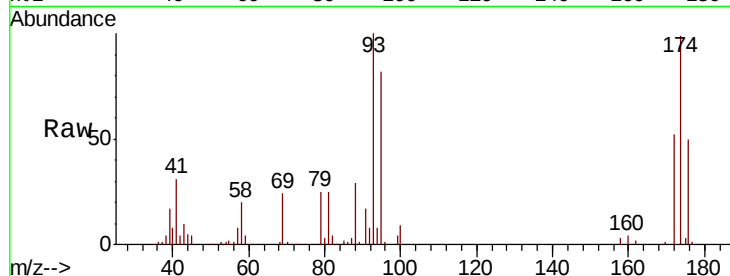
Tgt Ion: 88 Resp: 8817

Ion Ratio Lower Upper

88 100

43 0.0 32.9 49.3#

58 88.3 71.0 106.4

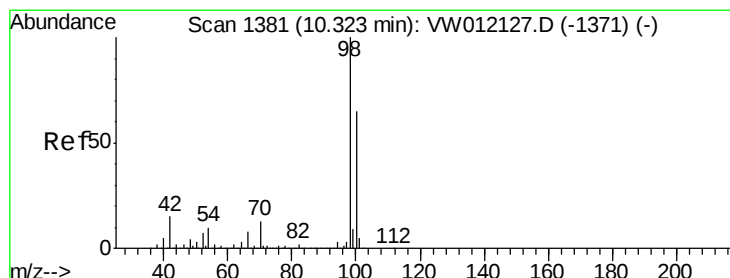
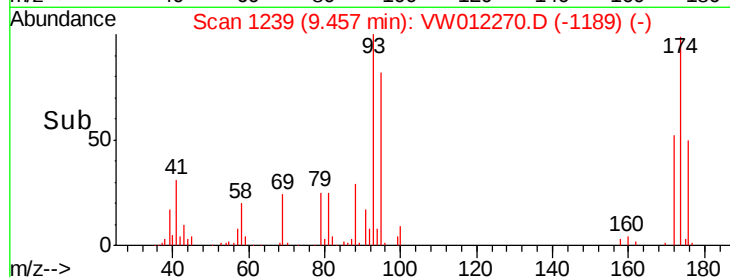
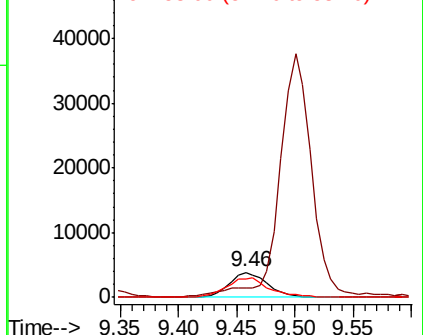


Abundance

Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 49.464 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012270.D

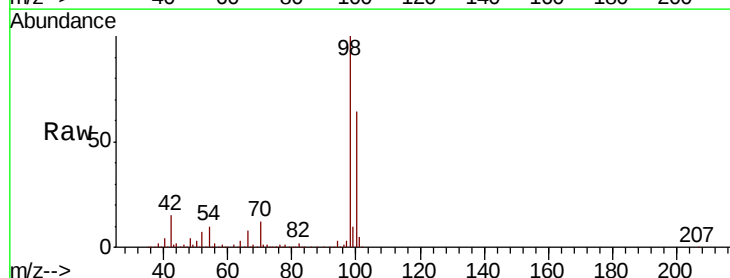
Acq: 28 Aug 2019 23:52

Tgt Ion: 98 Resp: 463524

Ion Ratio Lower Upper

98 100

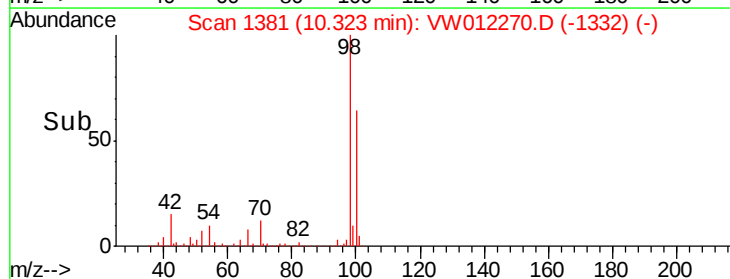
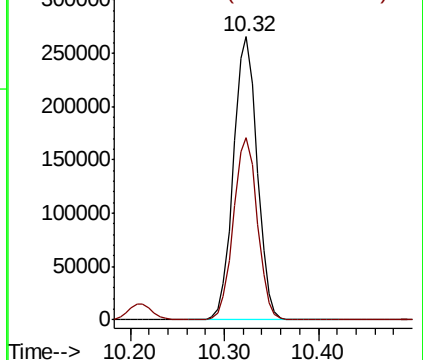
100 64.8 52.4 78.6

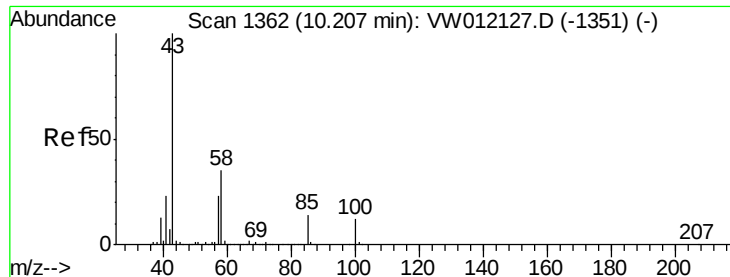


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

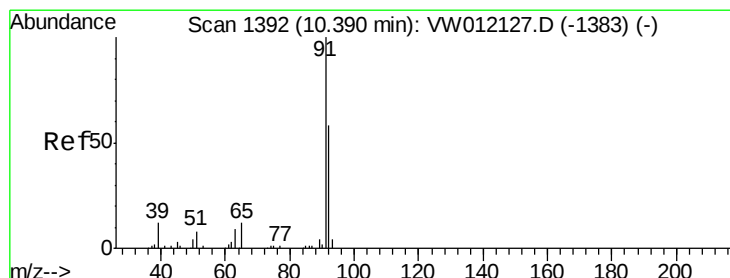
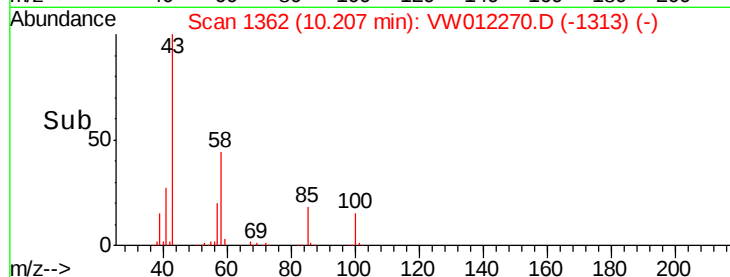
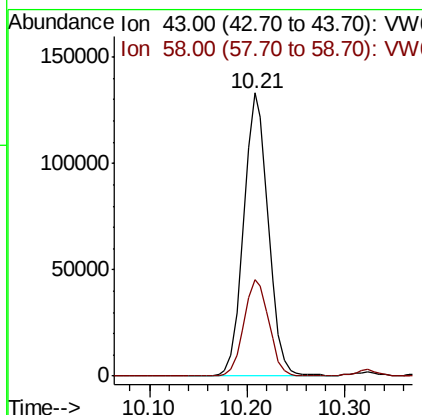
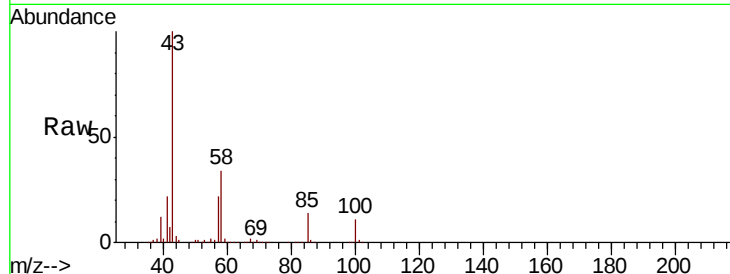




#51
 4-Methyl-2-Pentanone
 Concen: 112.352 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW012270.D
 Acq: 28 Aug 2019 23:52

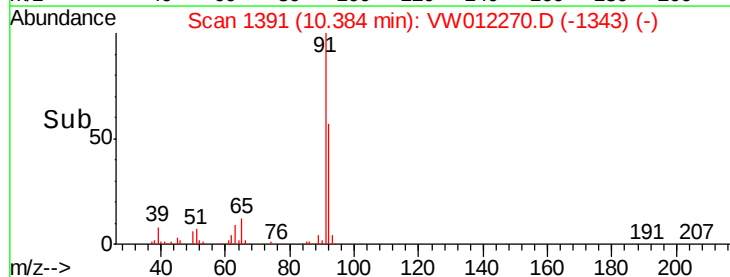
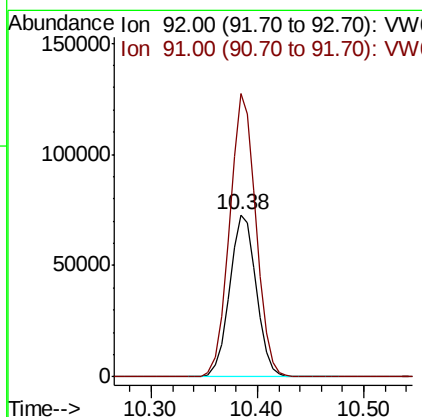
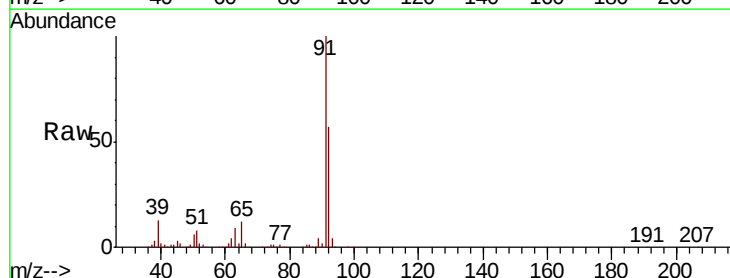
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0828SBS02

Tgt Ion: 43 Resp: 232085
 Ion Ratio Lower Upper
 43 100
 58 34.8 28.2 42.2



#52
 Toluene
 Concen: 19.474 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VW012270.D
 Acq: 28 Aug 2019 23:52

Tgt Ion: 92 Resp: 127814
 Ion Ratio Lower Upper
 92 100
 91 172.3 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 19.920 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

Instrument :

MSVOA_W

ClientSampleId :

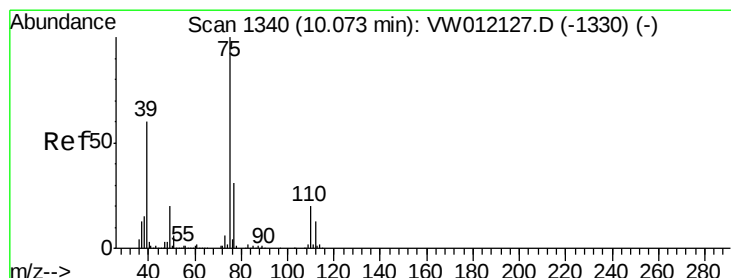
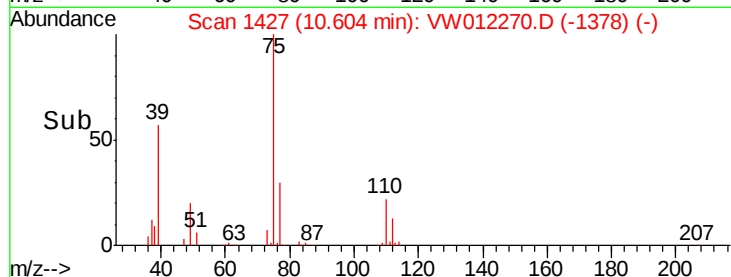
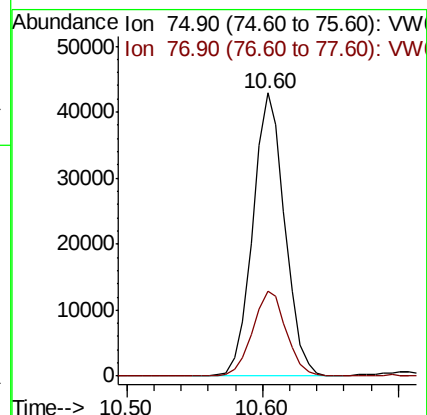
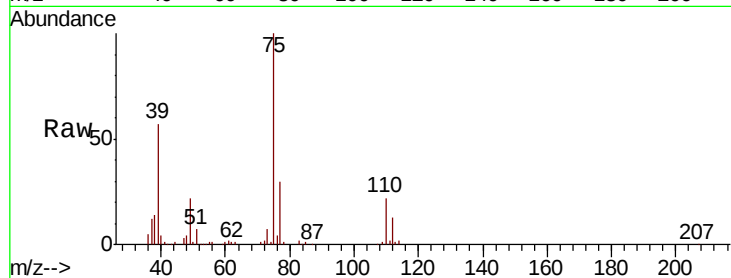
VW0828SBS02

Tgt Ion: 75 Resp: 70648

Ion Ratio Lower Upper

75 100

77 29.6 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 19.356 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

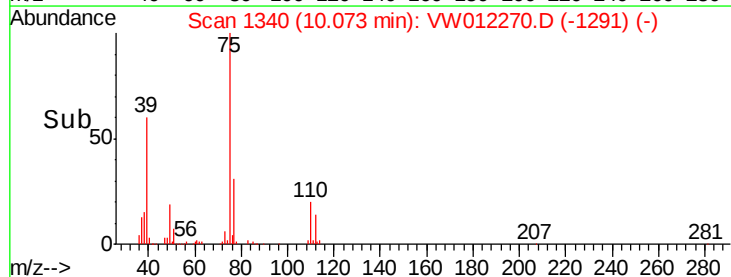
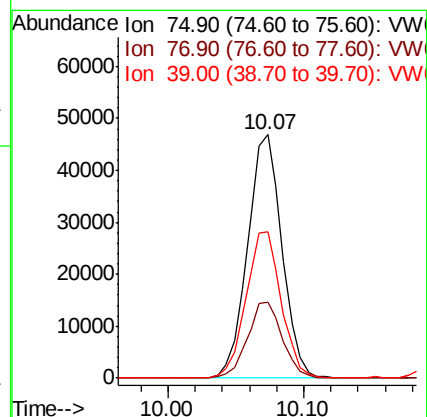
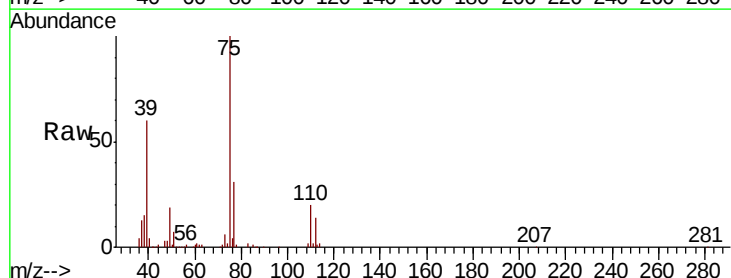
Tgt Ion: 75 Resp: 82890

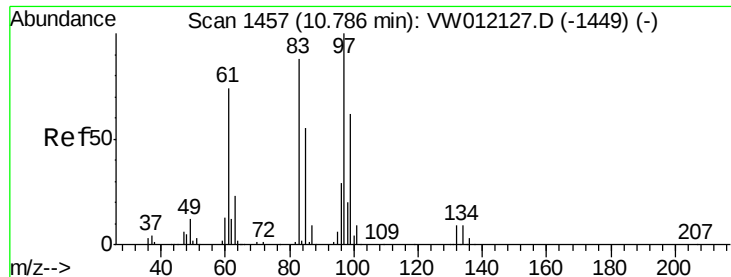
Ion Ratio Lower Upper

75 100

77 31.0 25.1 37.7

39 59.7 48.3 72.5





#55

1,1,2-Trichloroethane

Concen: 20.675 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBS02

Tgt Ion: 97 Resp: 38269

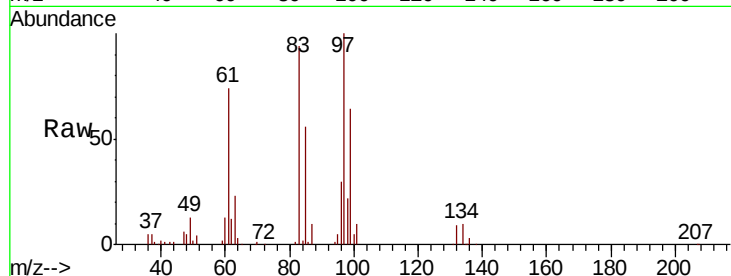
Ion Ratio Lower Upper

97 100

83 93.8 70.8 106.2

85 55.7 43.8 65.8

99 63.7 49.8 74.6

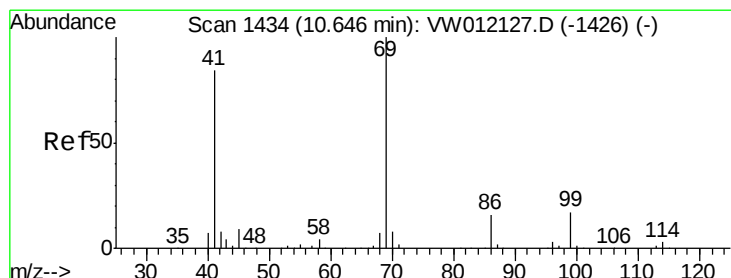
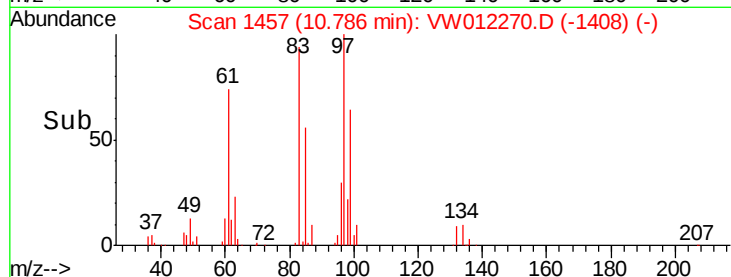
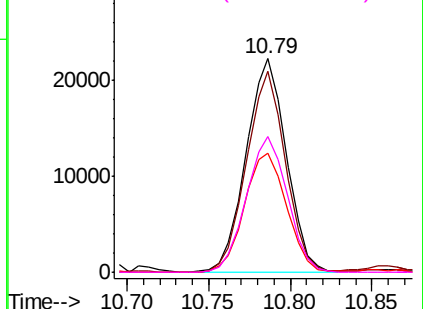


Abundance Ion 96.90 (96.60 to 97.60): VW

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: 21.302 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

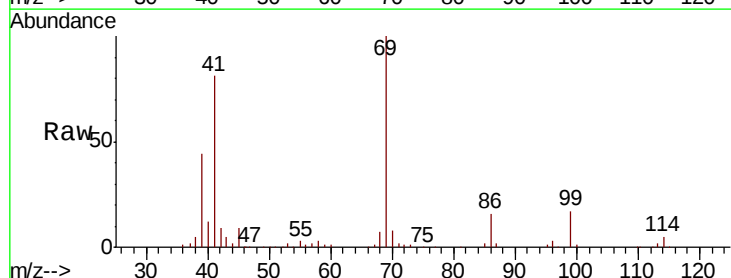
Tgt Ion: 69 Resp: 57388

Ion Ratio Lower Upper

69 100

41 81.3 66.5 99.7

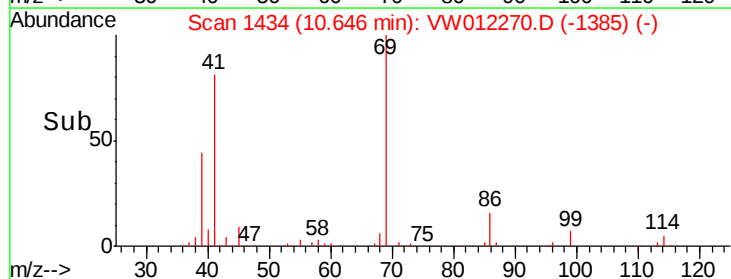
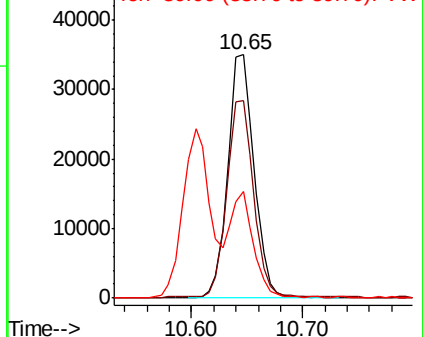
39 37.9 31.0 46.4



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

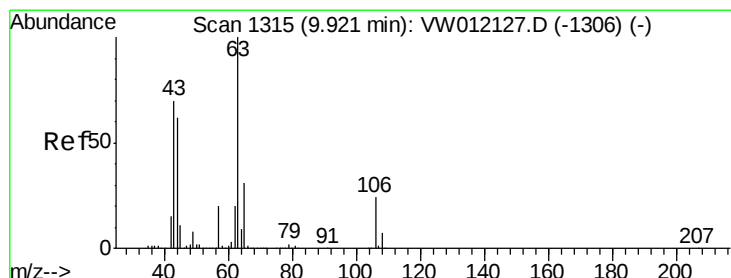
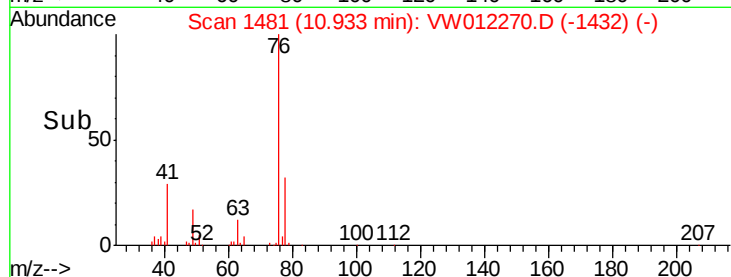
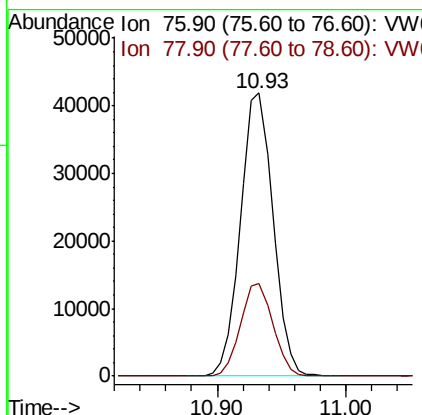
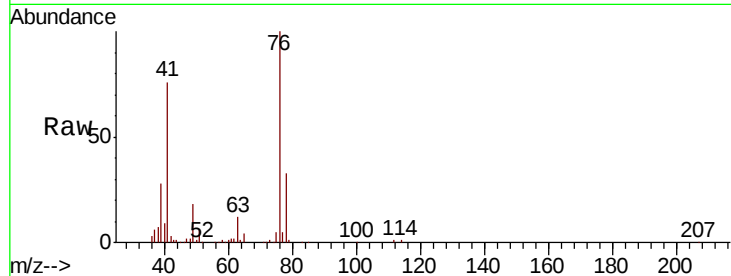




#57
 1,3-Dichloropropane
 Concen: 20.948 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012270.D
 Acq: 28 Aug 2019 23:52

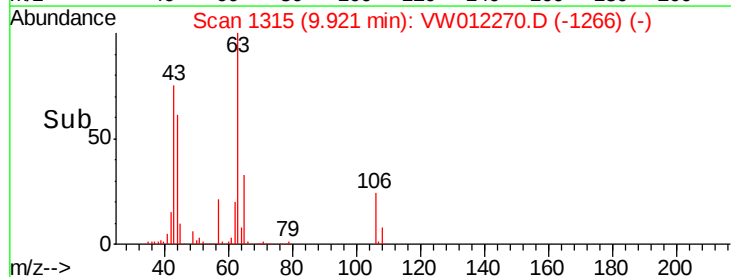
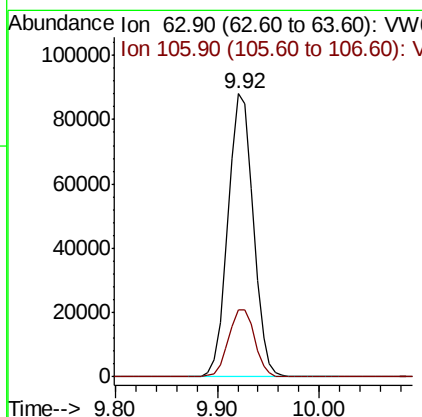
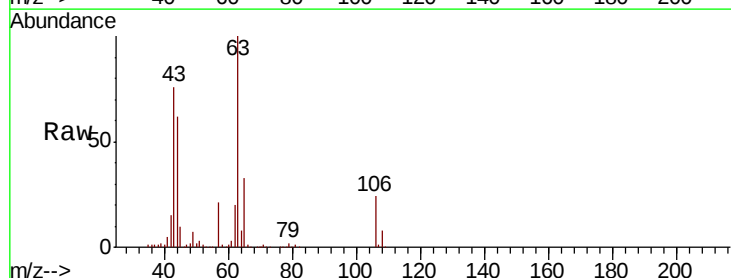
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0828SBS02

Tgt Ion: 76 Resp: 73273
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 109.001 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012270.D
 Acq: 28 Aug 2019 23:52

Tgt Ion: 63 Resp: 150705
 Ion Ratio Lower Upper
 63 100
 106 24.6 19.8 29.8

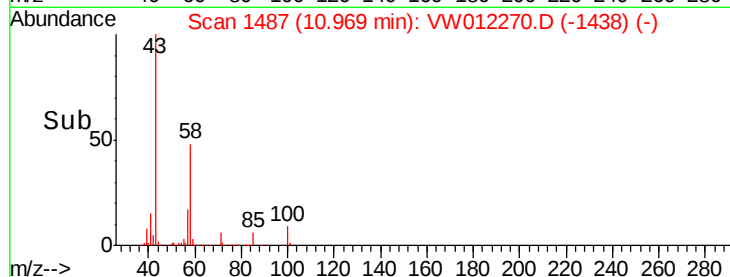
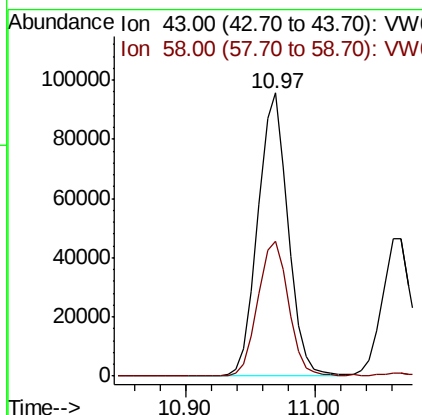
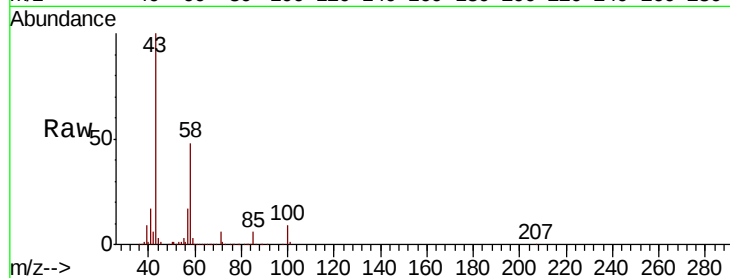




#59
2-Hexanone
Concen: 105.697 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012270.D
Acq: 28 Aug 2019 23:52

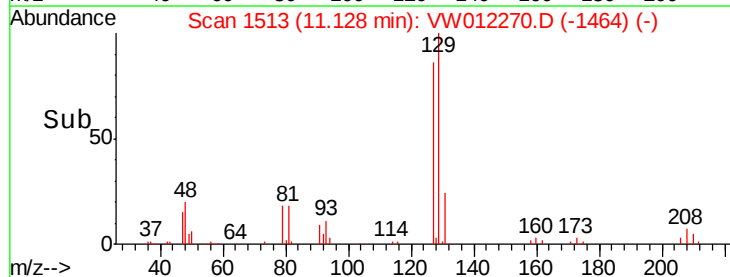
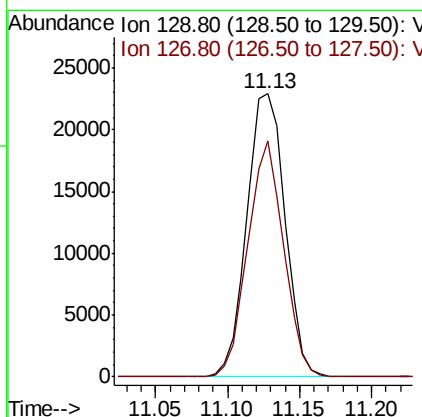
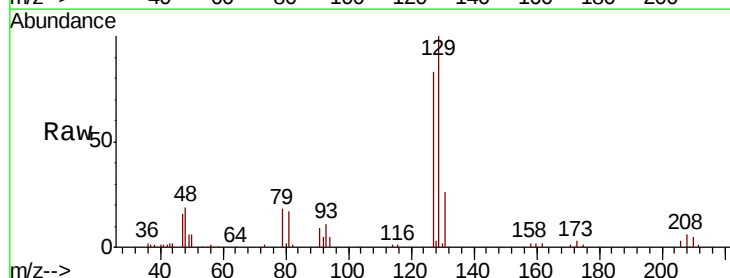
Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS02

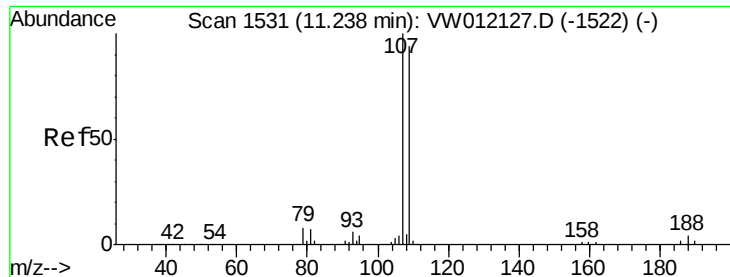
Tgt Ion: 43 Resp: 154488
Ion Ratio Lower Upper
43 100
58 48.7 24.3 72.9



#60
Dibromochloromethane
Concen: 20.400 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012270.D
Acq: 28 Aug 2019 23:52

Tgt Ion: 129 Resp: 42059
Ion Ratio Lower Upper
129 100
127 78.0 38.6 115.8

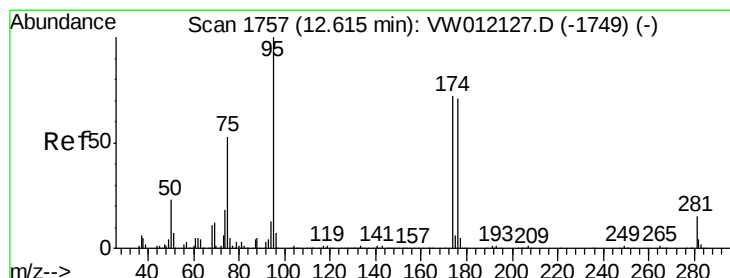
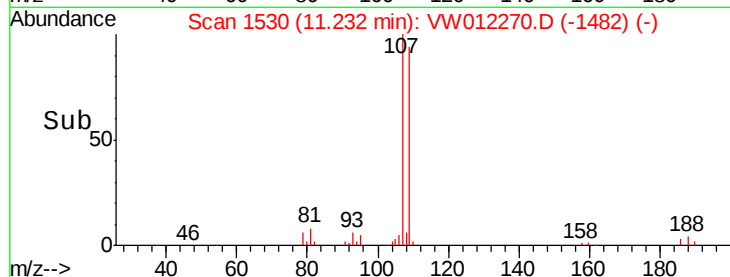
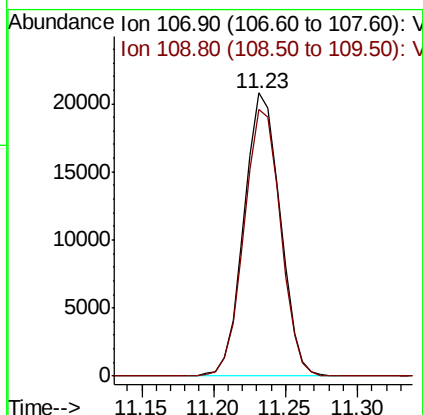
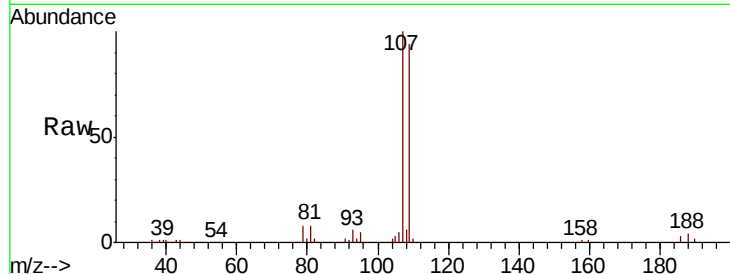




#61
 1,2-Dibromoethane
 Concen: 20.996 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012270.D
 Acq: 28 Aug 2019 23:52

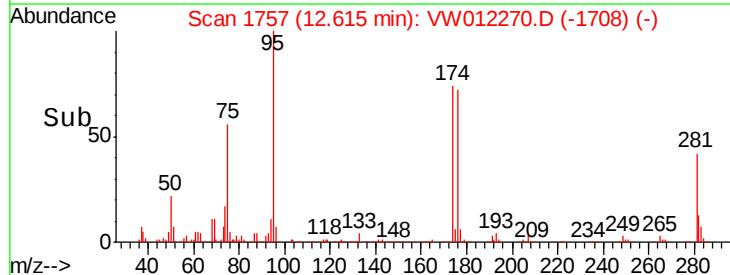
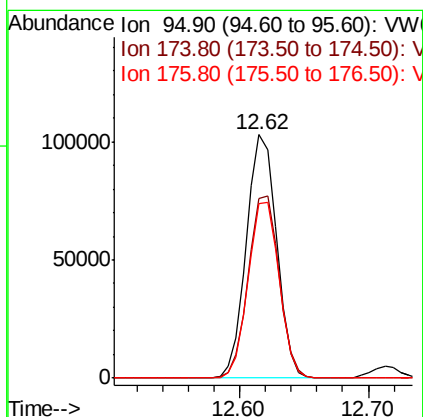
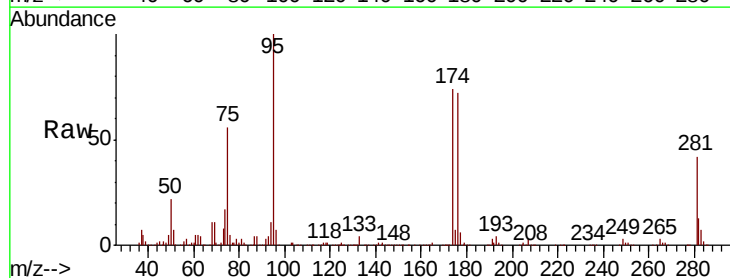
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0828SBS02

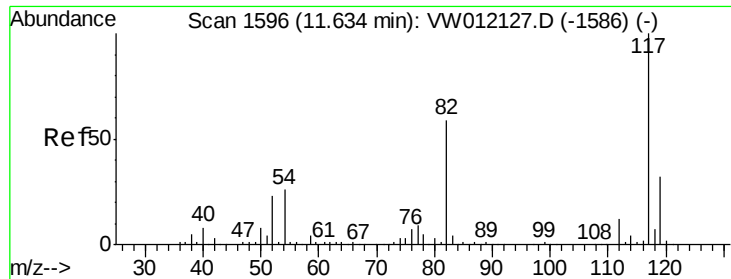
Tgt Ion: 107 Resp: 36206
 Ion Ratio Lower Upper
 107 100
 109 95.0 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 50.561 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012270.D
 Acq: 28 Aug 2019 23:52

Tgt Ion: 95 Resp: 167015
 Ion Ratio Lower Upper
 95 100
 174 76.1 0.0 150.8
 176 73.9 0.0 148.6

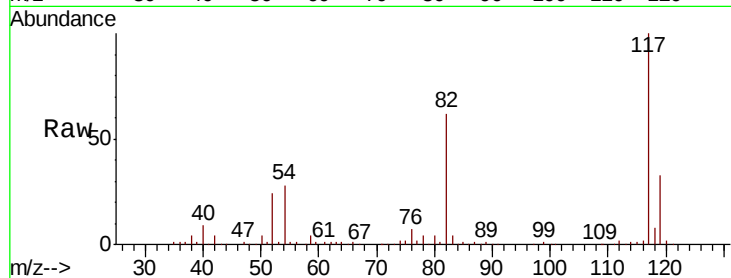




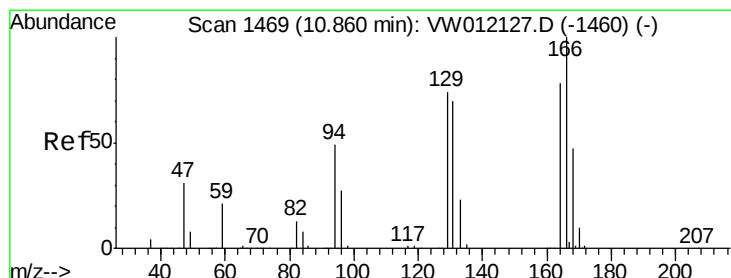
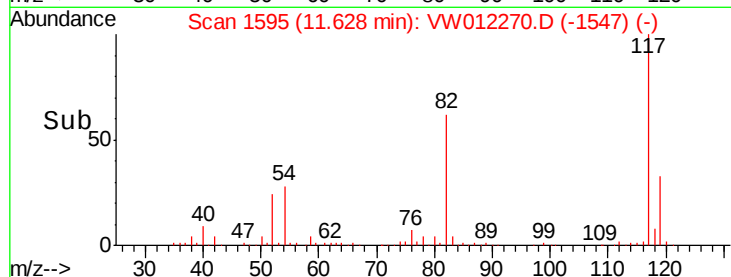
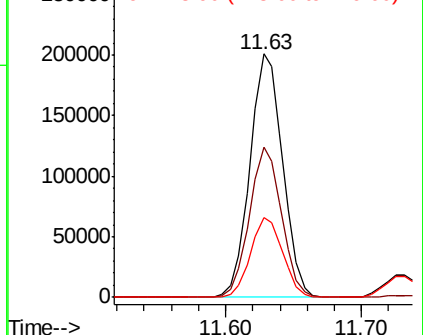
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012270.D
Acq: 28 Aug 2019 23:52

Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS02

Tgt Ion:117 Resp: 338994
Ion Ratio Lower Upper
117 100
82 61.9 47.4 71.2
119 32.9 25.4 38.2

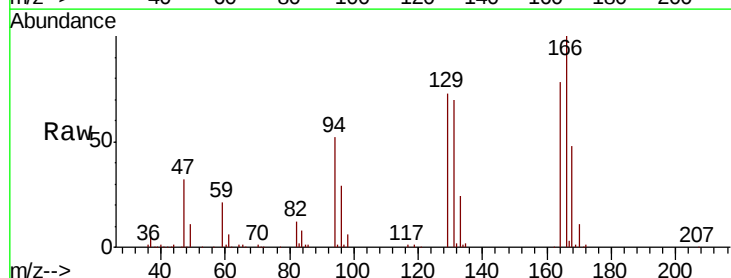


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VV
Ion 118.90 (118.60 to 119.60): V

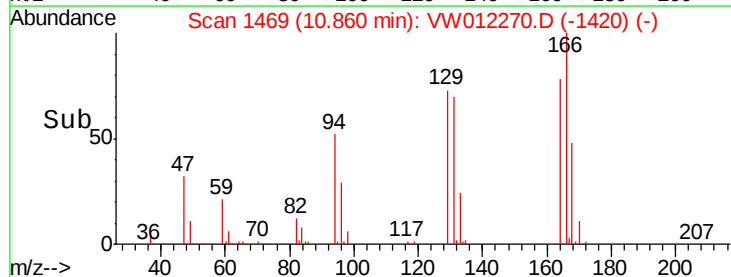
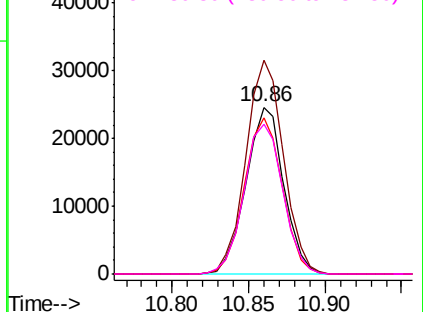


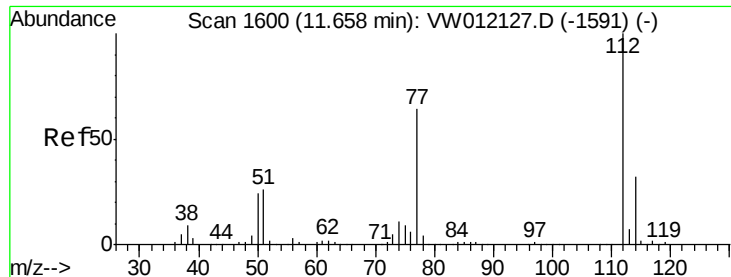
#64
Tetrachloroethene
Concen: 19.133 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012270.D
Acq: 28 Aug 2019 23:52

Tgt Ion:164 Resp: 42051
Ion Ratio Lower Upper
164 100
166 128.1 102.4 153.6
129 93.6 75.8 113.6
131 89.7 71.4 107.2



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

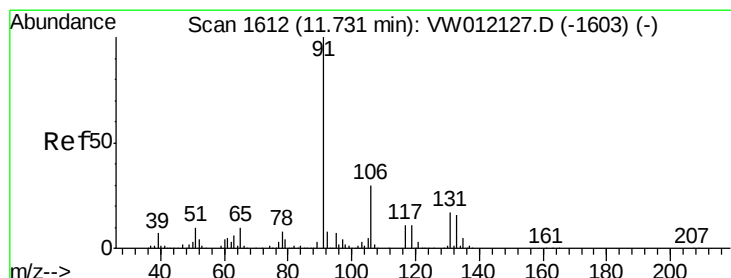
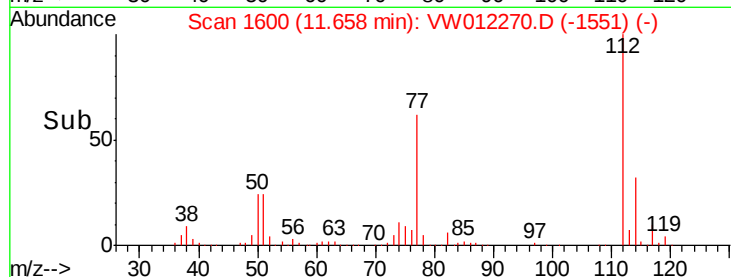
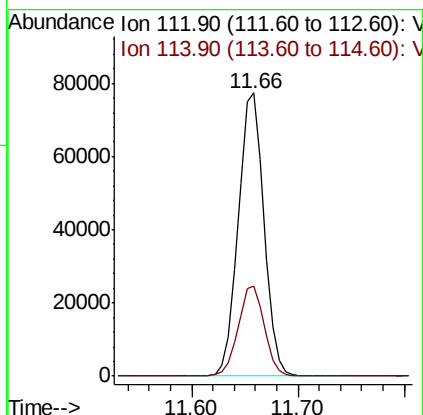
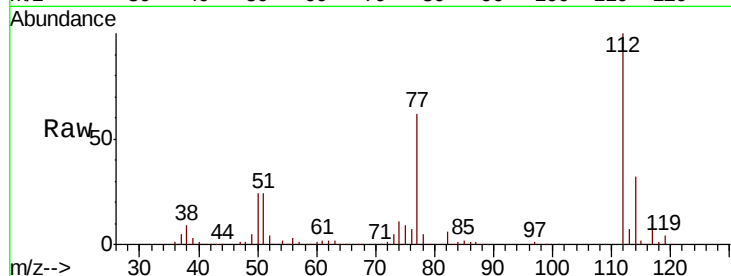




#65
Chlorobenzene
Concen: 19.717 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012270.D
Acq: 28 Aug 2019 23:52

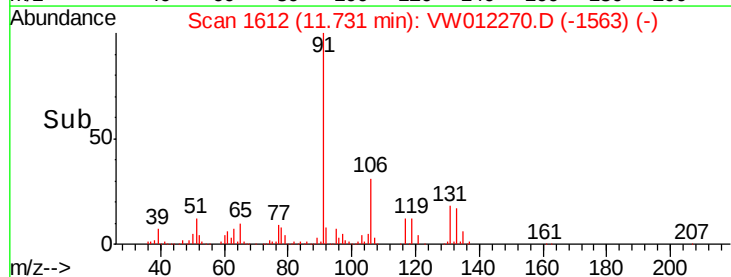
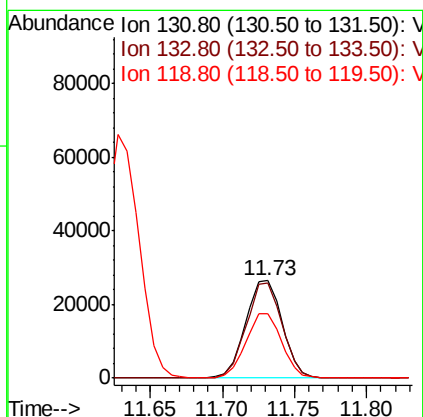
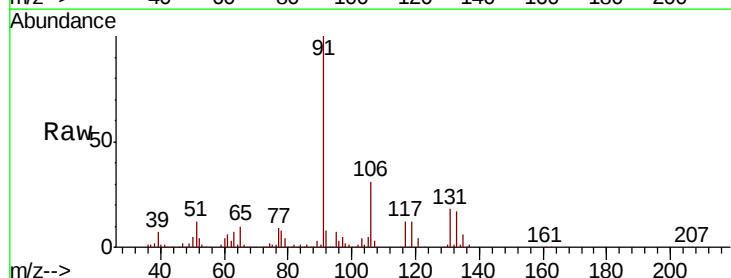
Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS02

Tgt Ion:112 Resp: 131611
Ion Ratio Lower Upper
112 100
114 31.8 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 19.923 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012270.D
Acq: 28 Aug 2019 23:52

Tgt Ion:131 Resp: 46395
Ion Ratio Lower Upper
131 100
133 95.9 47.1 141.3
119 65.5 31.8 95.3





#67

Ethyl Benzene

Concen: 19.258 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

Instrument :

MSVOA_W

ClientSampleId :

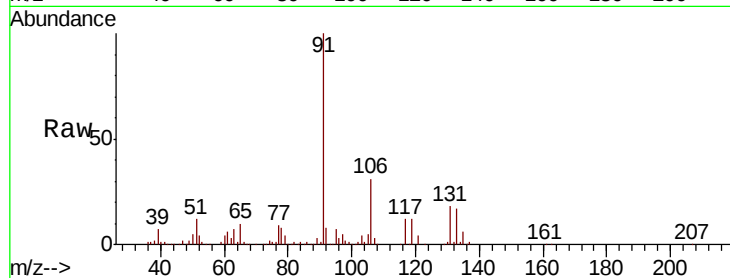
VW0828SBS02

Tgt Ion: 91 Resp: 247622

Ion Ratio Lower Upper

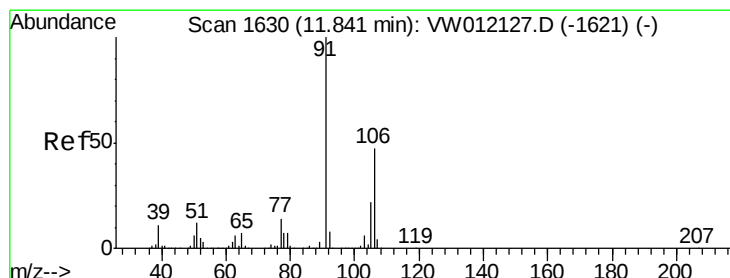
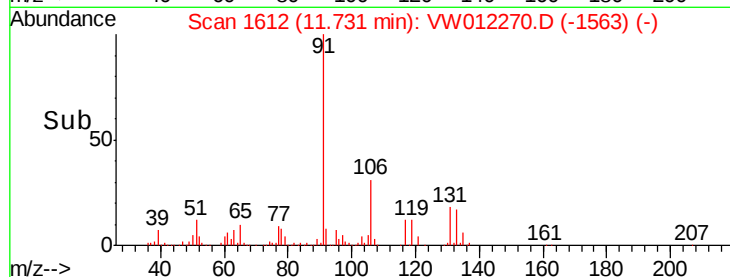
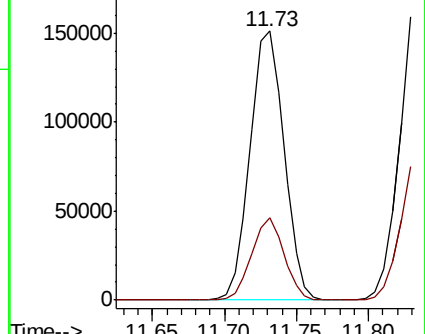
91 100

106 30.7 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 38.501 ug/l

RT: 11.84 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW012270.D

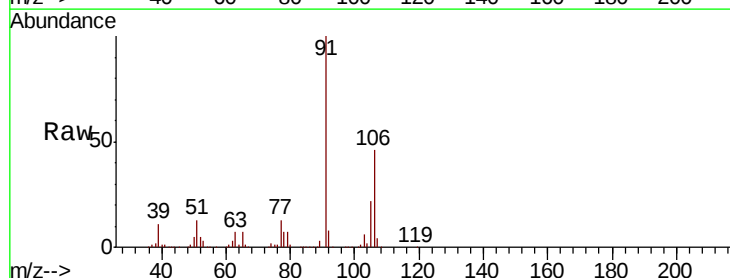
Acq: 28 Aug 2019 23:52

Tgt Ion: 106 Resp: 178326

Ion Ratio Lower Upper

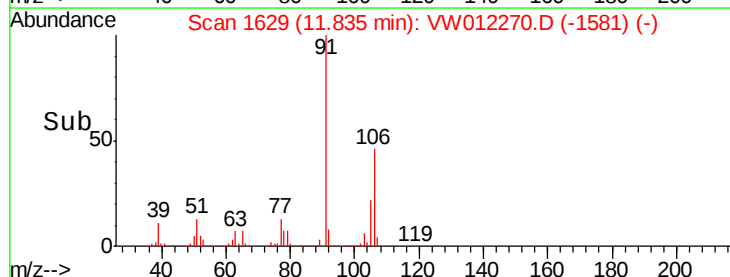
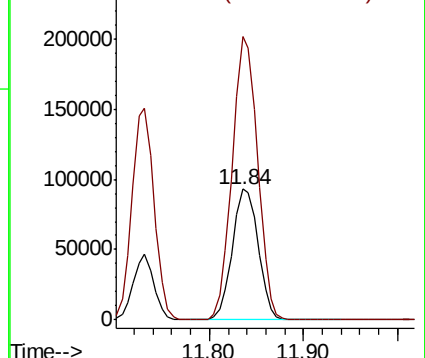
106 100

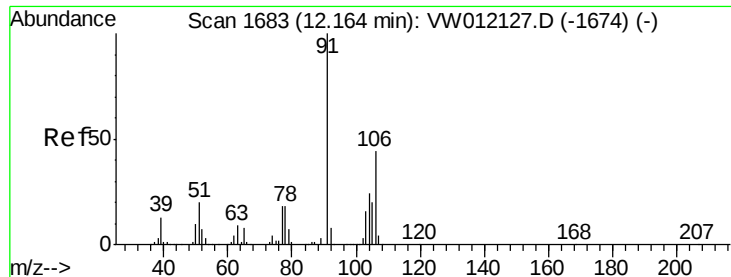
91 212.0 169.5 254.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

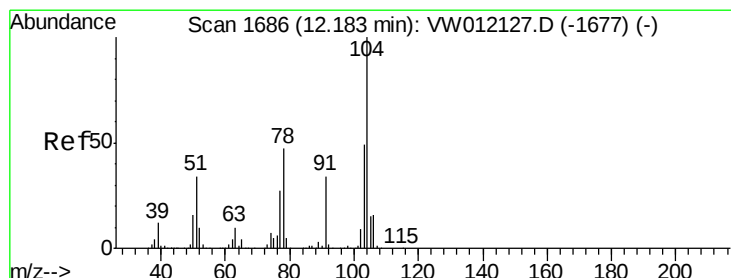
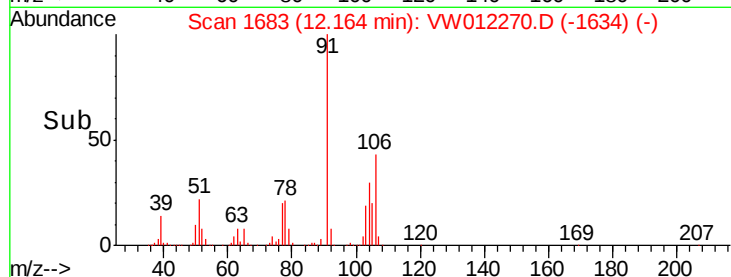
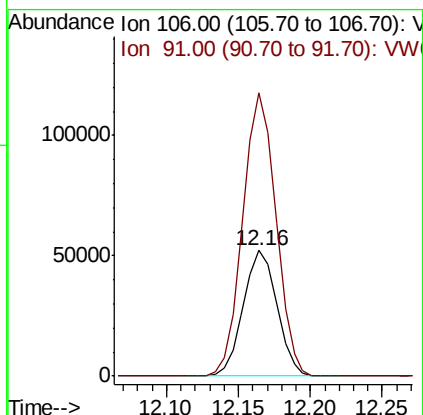
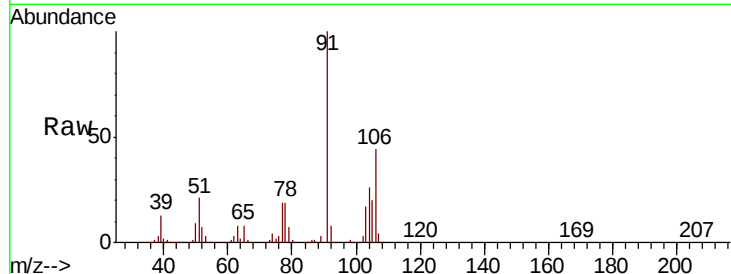




#69
o-Xylene
Concen: 19.678 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012270.D
Acq: 28 Aug 2019 23:52

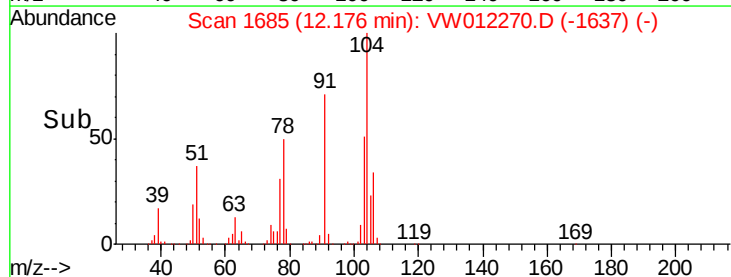
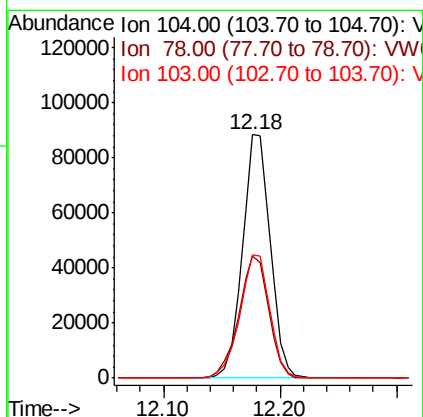
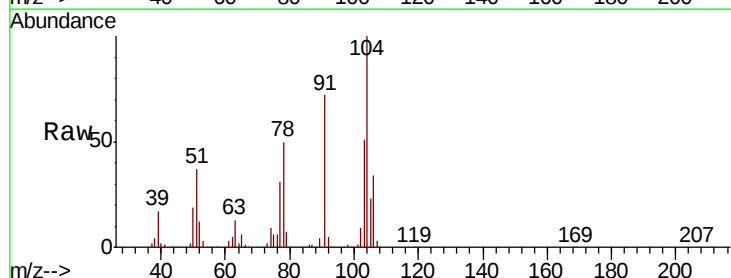
Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS02

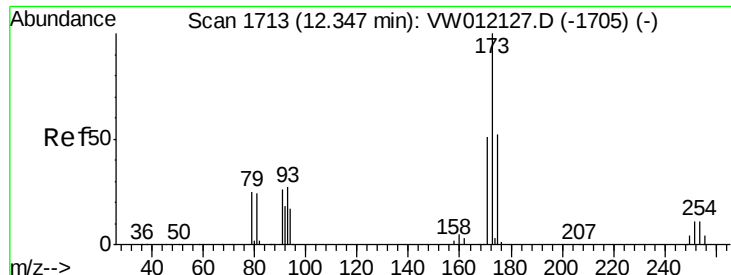
Tgt Ion:106 Resp: 84357
Ion Ratio Lower Upper
106 100
91 223.7 111.6 334.6



#70
Styrene
Concen: 19.861 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW012270.D
Acq: 28 Aug 2019 23:52

Tgt Ion:104 Resp: 147371
Ion Ratio Lower Upper
104 100
78 54.0 43.1 64.7
103 54.5 43.5 65.3

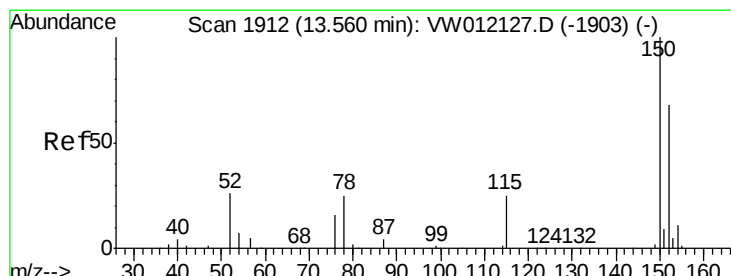
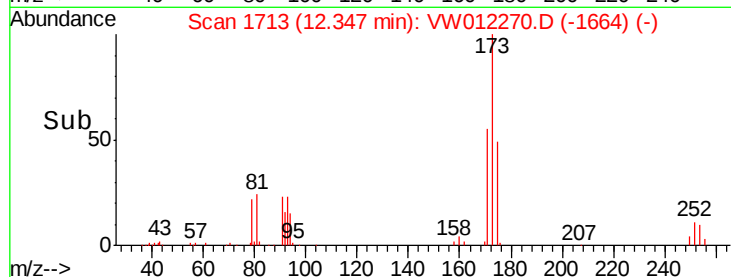
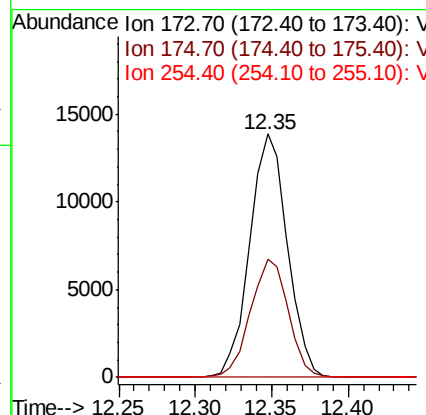
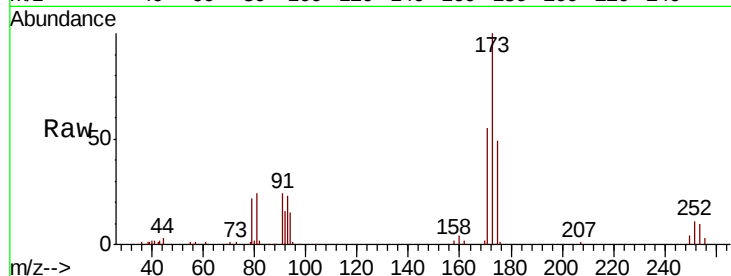




#71
Bromoform
Concen: 20.508 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW012270.D
Acq: 28 Aug 2019 23:52

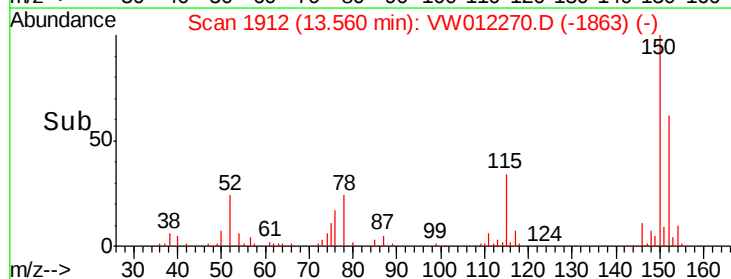
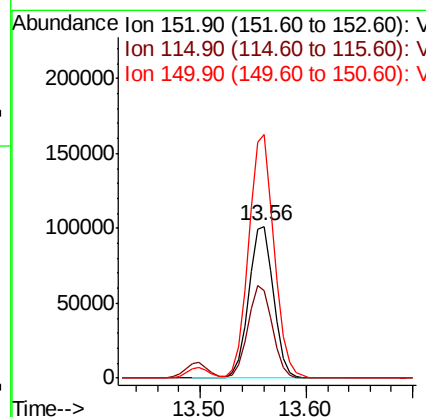
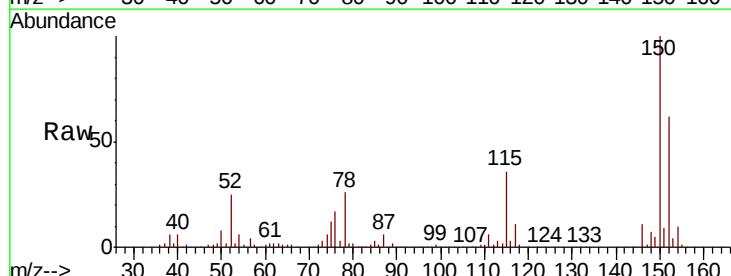
Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS02

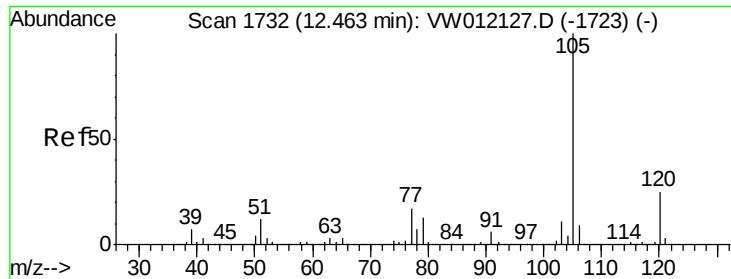
Tgt Ion:173 Resp: 23793
Ion Ratio Lower Upper
173 100
175 48.7 24.6 74.0
254 0.0 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012270.D
Acq: 28 Aug 2019 23:52

Tgt Ion:152 Resp: 164411
Ion Ratio Lower Upper
152 100
115 60.1 30.1 90.3
150 165.8 0.0 345.8





#73

Isopropylbenzene

Concen: 19.094 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

Instrument :

MSVOA_W

ClientSampleId :

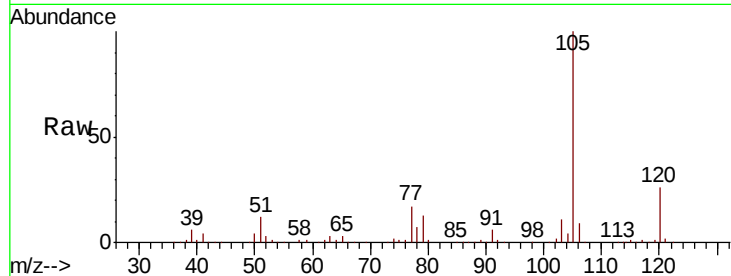
VW0828SBS02

Tgt Ion: 105 Resp: 235224

Ion Ratio Lower Upper

105 100

120 25.5 12.5 37.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

100000

50000

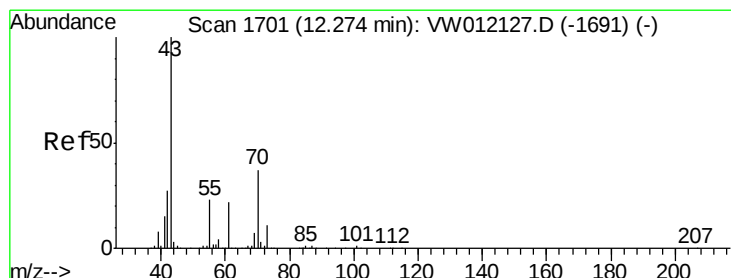
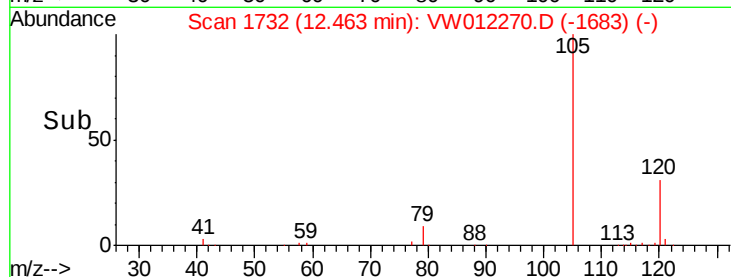
0

12.46

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 21.439 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

Tgt Ion: 43 Resp: 79797

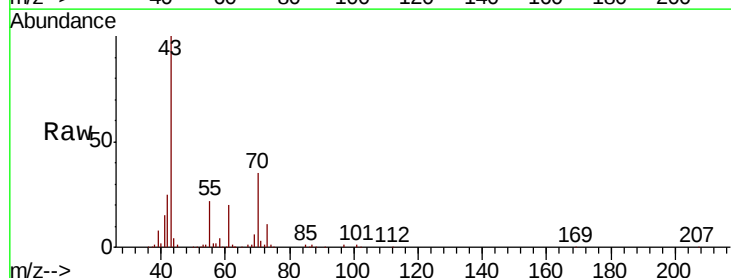
Ion Ratio Lower Upper

43 100

70 35.1 28.6 43.0

55 22.6 17.8 26.6

61 20.8 17.3 25.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

80000

60000

40000

20000

0

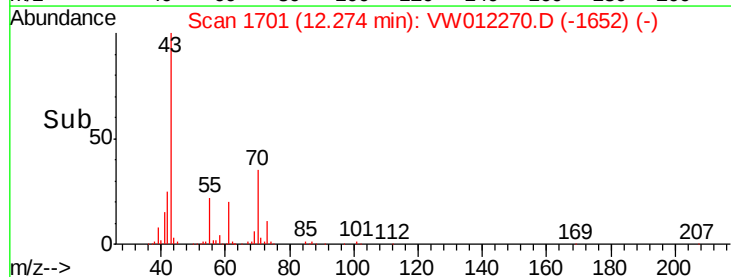
12.27

12.20

12.30

12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.080 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBS02

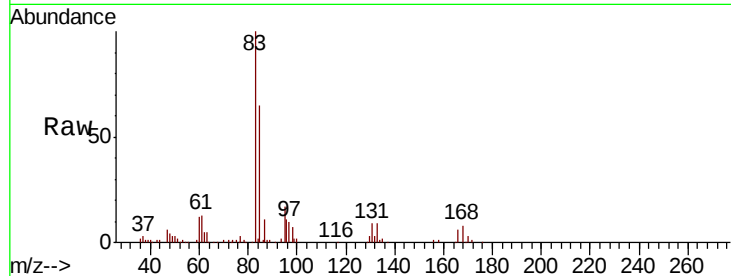
Tgt Ion: 83 Resp: 47611

Ion Ratio Lower Upper

83 100

131 9.6 4.9 14.7

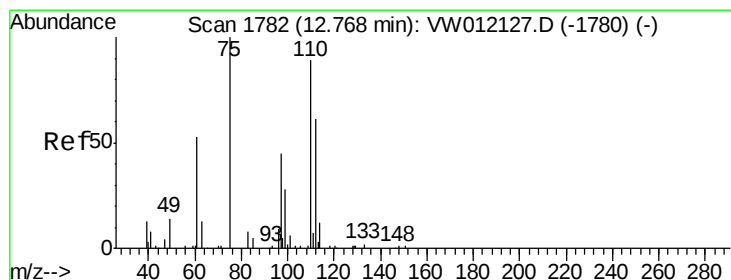
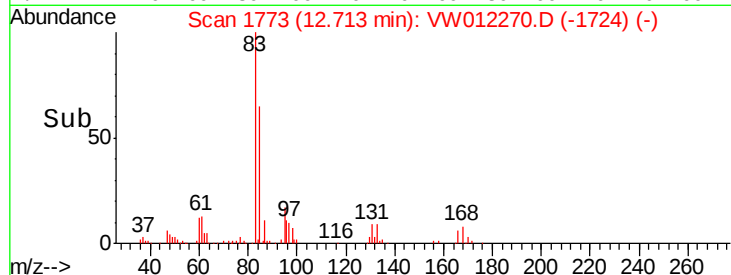
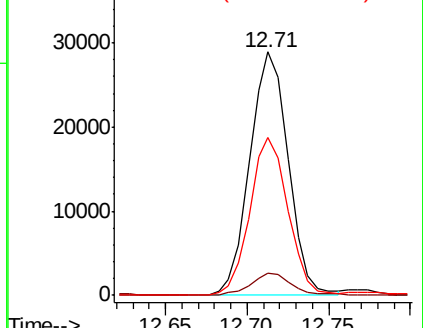
85 64.1 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 39.028 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012270.D

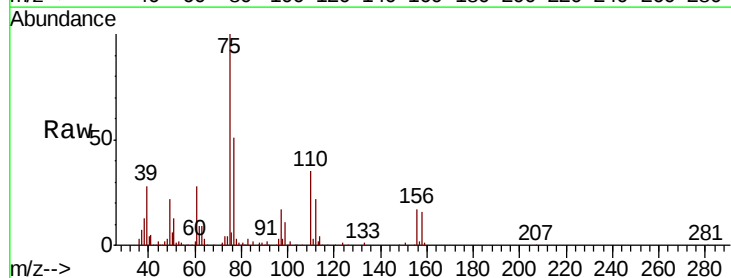
Acq: 28 Aug 2019 23:52

Tgt Ion: 75 Resp: 62493

Ion Ratio Lower Upper

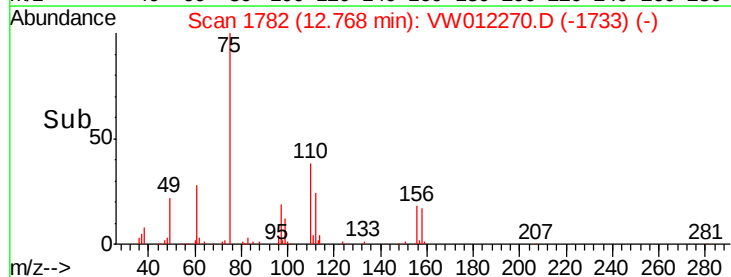
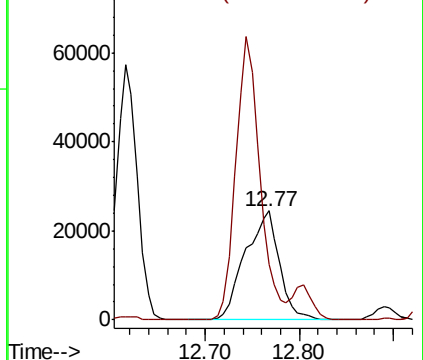
75 100

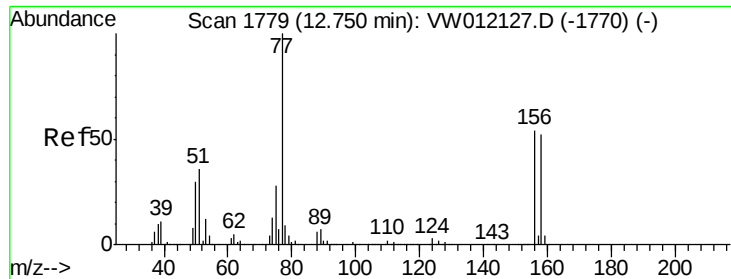
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.871 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBS02

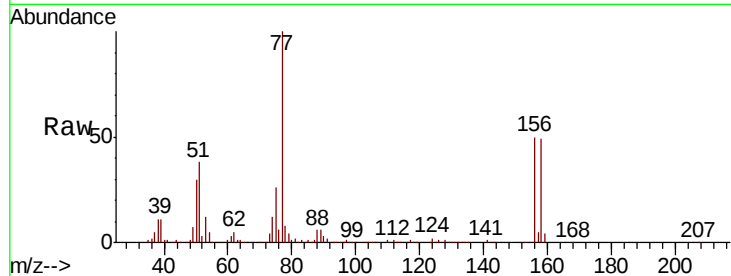
Tgt Ion:156 Resp: 52959

Ion Ratio Lower Upper

156 100

77 215.2 107.3 321.8

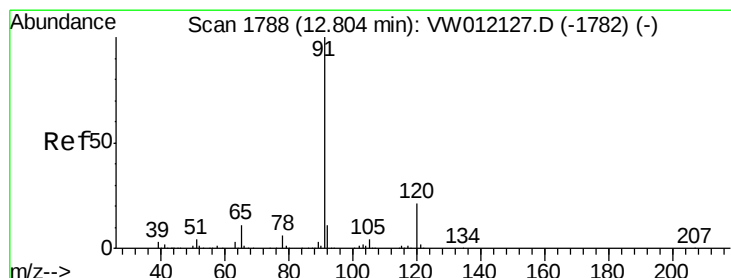
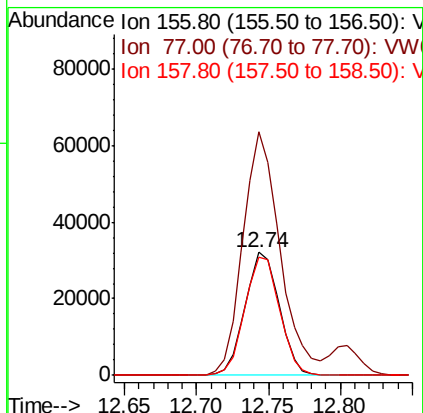
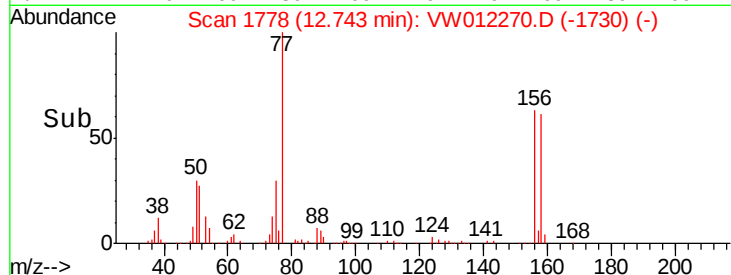
158 97.6 49.0 147.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.999 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012270.D

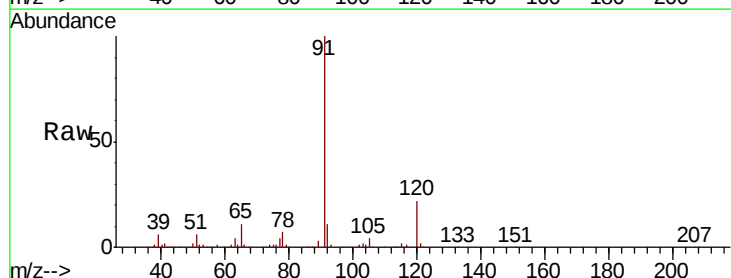
Acq: 28 Aug 2019 23:52

Tgt Ion: 91 Resp: 285734

Ion Ratio Lower Upper

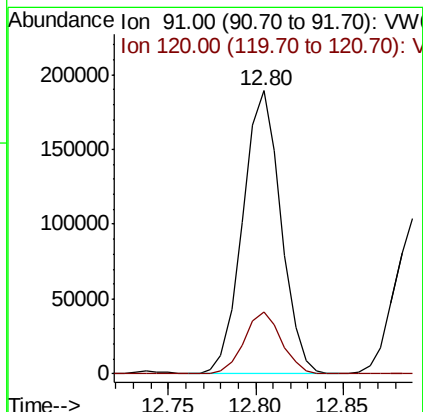
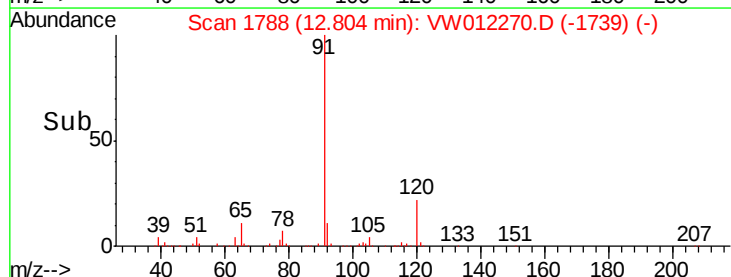
91 100

120 21.4 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.317 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

Instrument :

MSVOA_W

ClientSampleId :

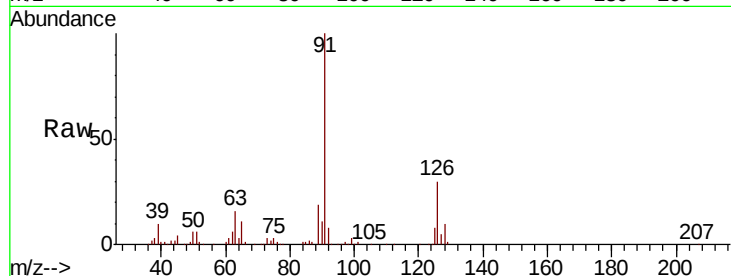
VW0828SBS02

Tgt Ion: 91 Resp: 164943

Ion Ratio Lower Upper

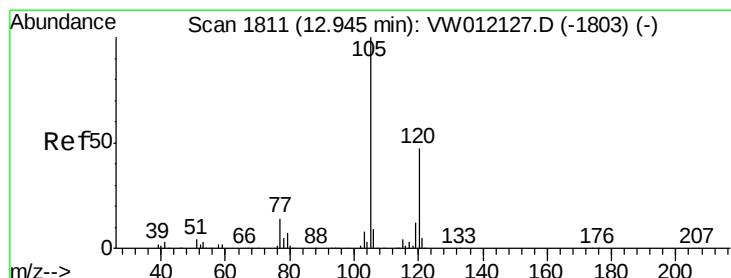
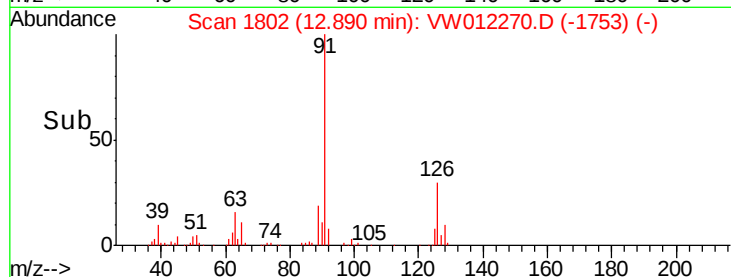
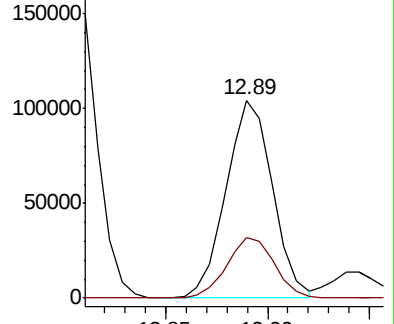
91 100

126 31.5 15.7 47.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.356 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012270.D

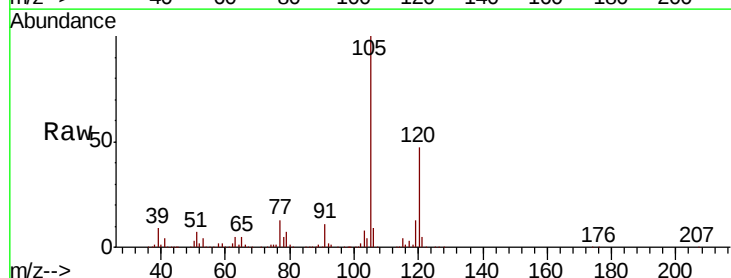
Acq: 28 Aug 2019 23:52

Tgt Ion: 105 Resp: 199251

Ion Ratio Lower Upper

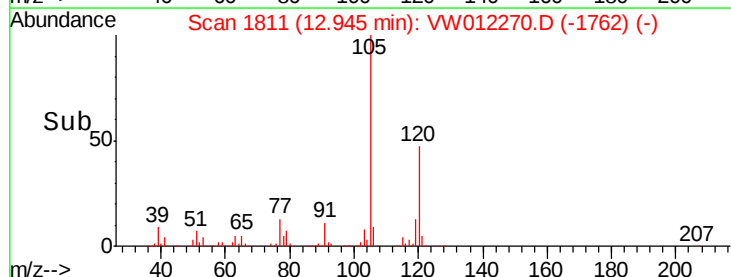
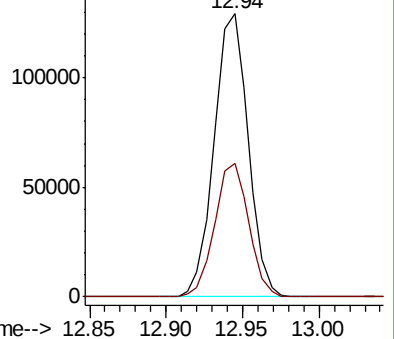
105 100

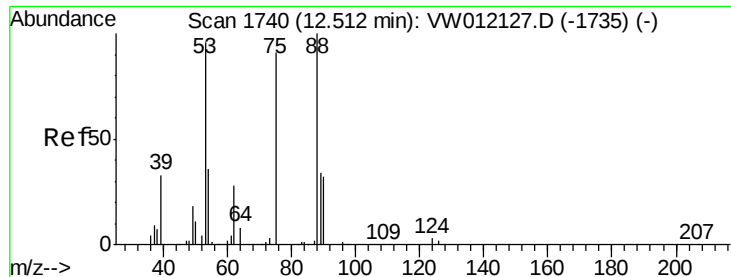
120 47.4 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

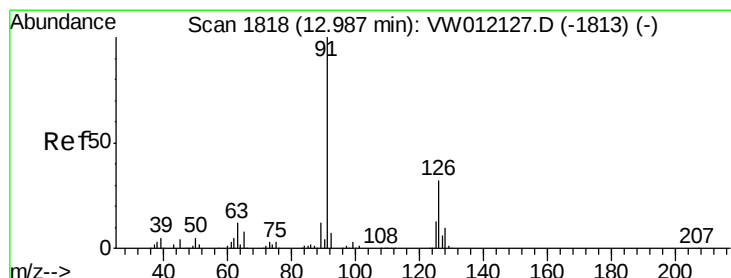
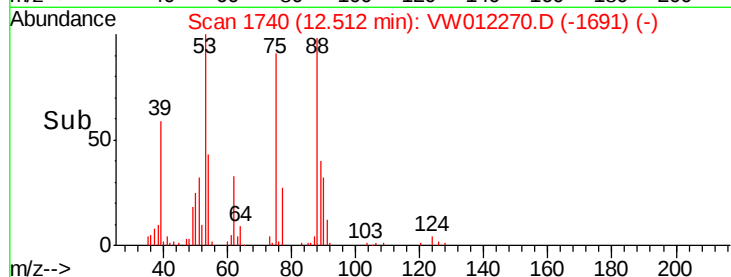
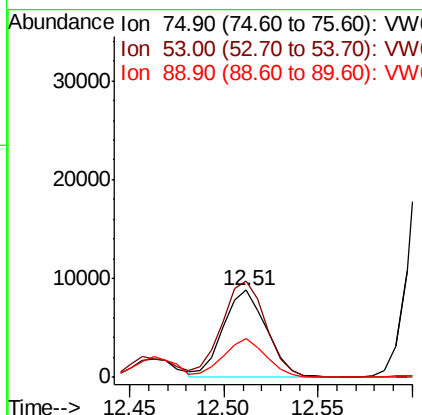
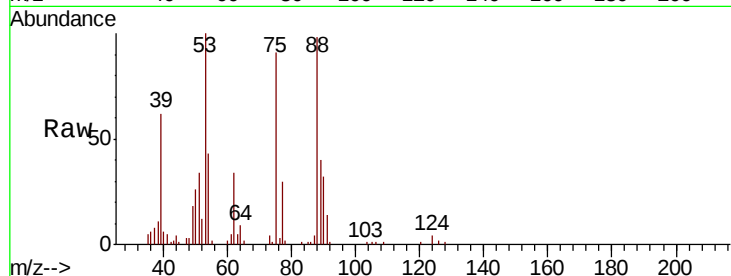




#81
trans-1,4-Dichloro-2-butene
Concen: 19.374 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012270.D
Acq: 28 Aug 2019 23:52

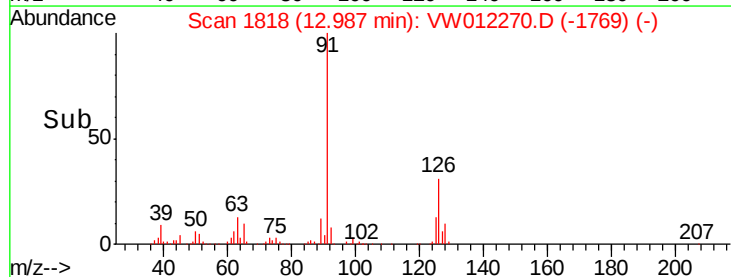
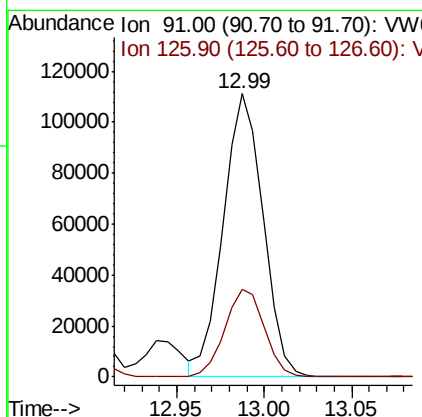
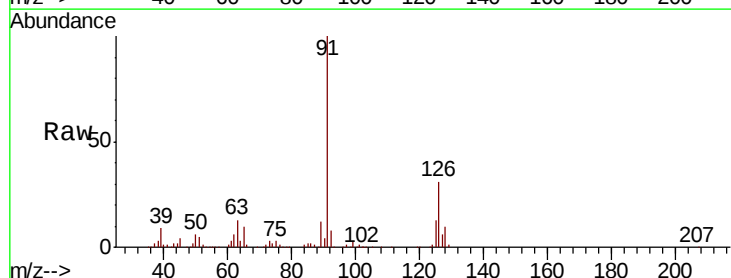
Instrument :
MSVOA_W
ClientSampleId :
VW0828SBS02

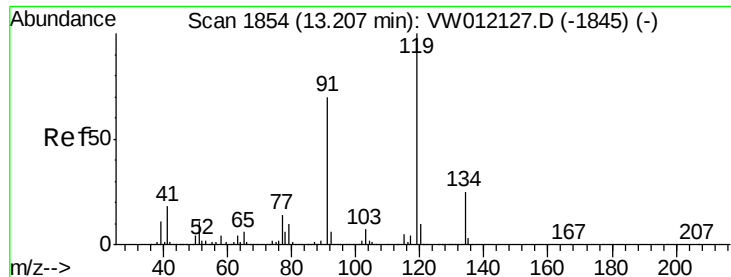
Tgt Ion: 75 Resp: 14149
Ion Ratio Lower Upper
75 100
53 110.8 89.4 134.0
89 43.4 34.5 51.7



#82
4-Chlorotoluene
Concen: 19.575 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012270.D
Acq: 28 Aug 2019 23:52

Tgt Ion: 91 Resp: 175016
Ion Ratio Lower Upper
91 100
126 30.9 15.6 46.8

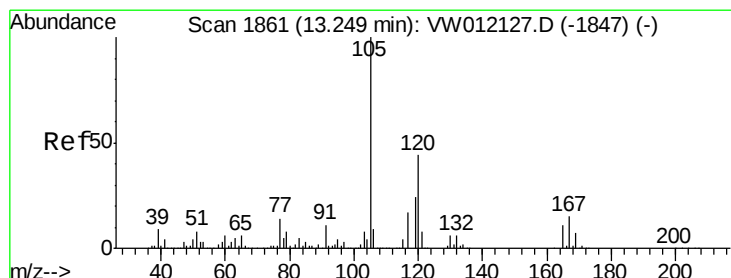
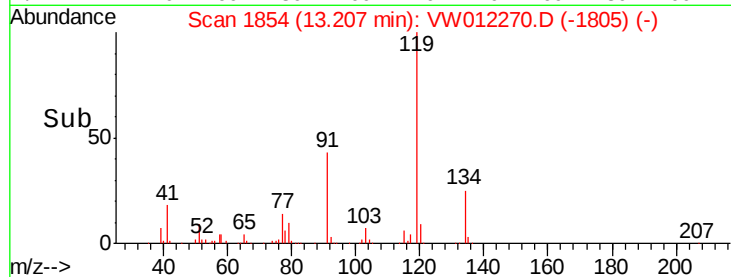
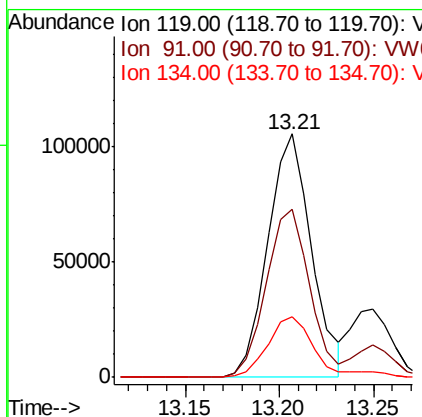
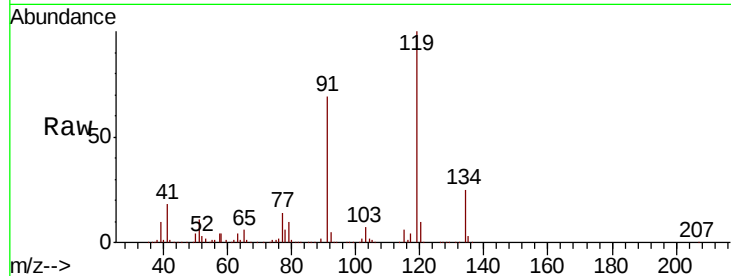




#83
 tert-Butylbenzene
 Concen: 19.465 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012270.D
 Acq: 28 Aug 2019 23:52

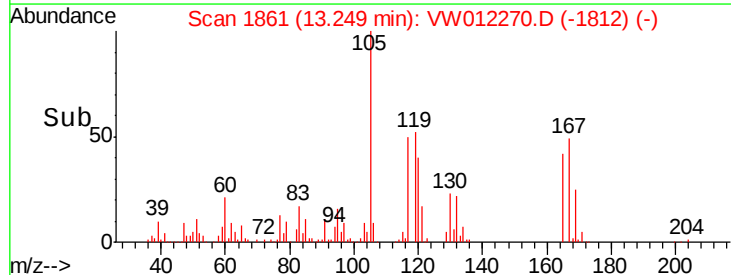
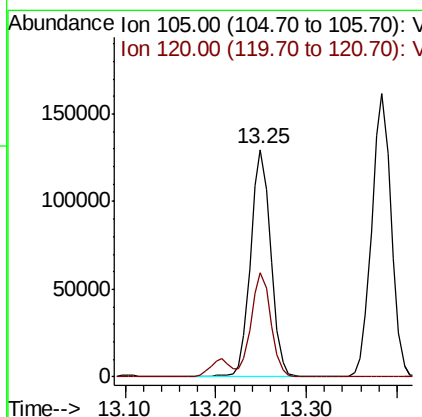
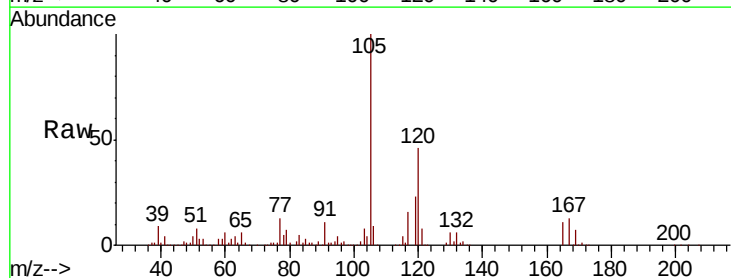
Instrument :
 MSVOA_W
 ClientSampled :
 VW0828SBS02

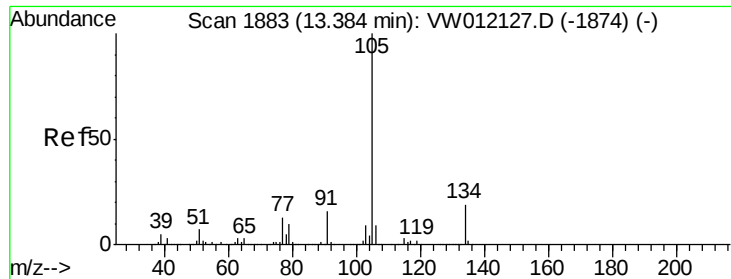
Tgt Ion:119 Resp: 169739
 Ion Ratio Lower Upper
 119 100
 91 68.9 34.8 104.3
 134 25.5 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 19.325 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012270.D
 Acq: 28 Aug 2019 23:52

Tgt Ion:105 Resp: 199831
 Ion Ratio Lower Upper
 105 100
 120 44.0 21.9 65.7

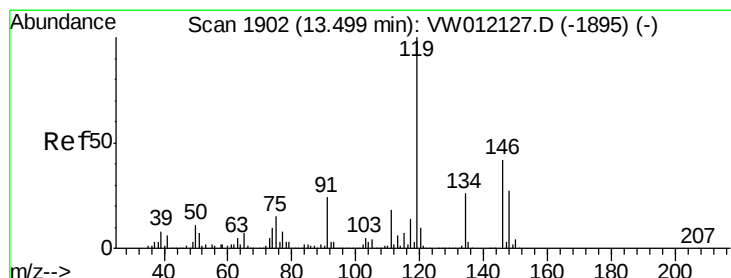
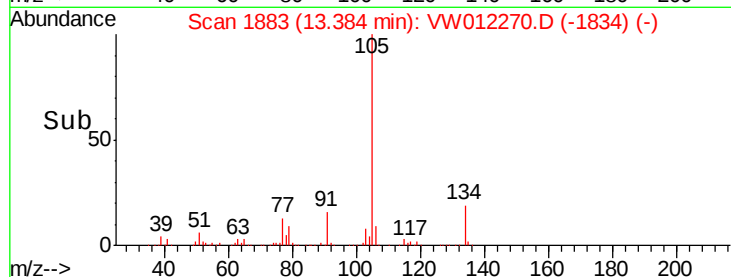
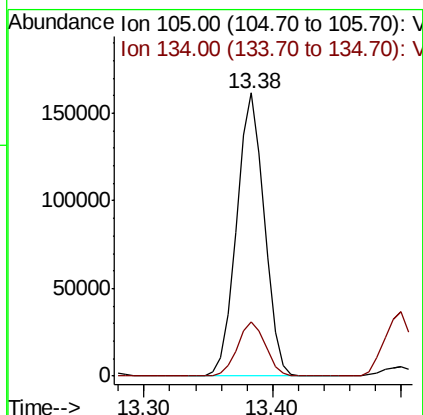
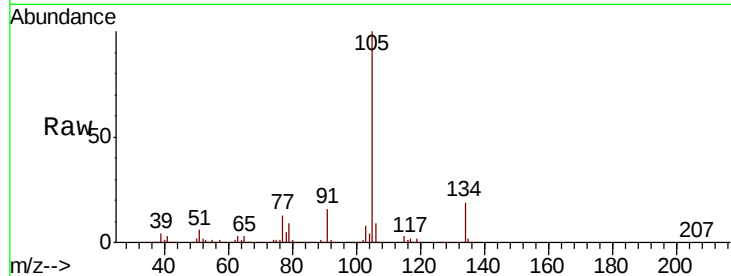




#85
 sec-Butylbenzene
 Concen: 19.274 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012270.D
 Acq: 28 Aug 2019 23:52

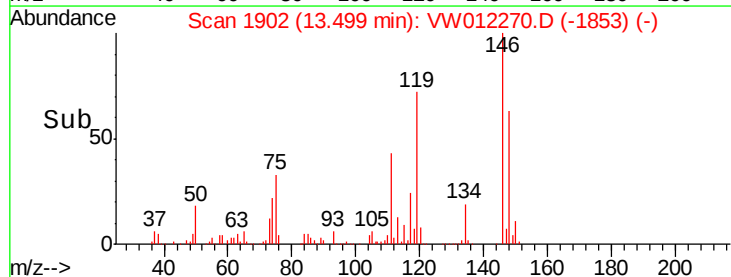
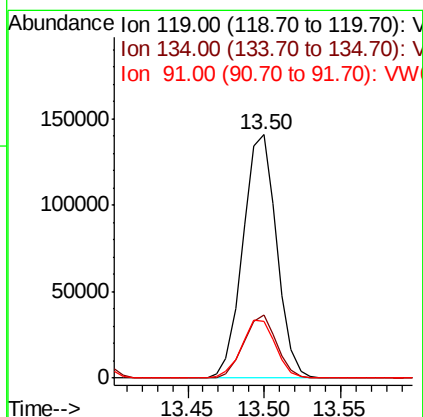
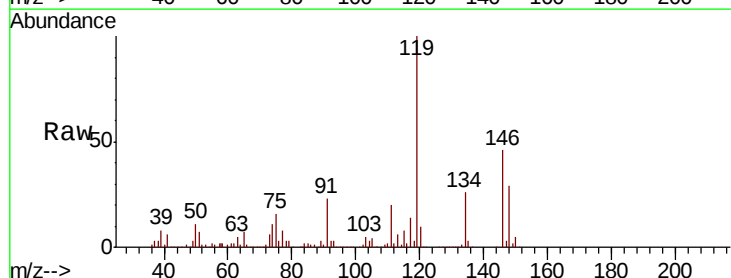
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0828SBS02

Tgt Ion:105 Resp: 240794
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 19.267 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012270.D
 Acq: 28 Aug 2019 23:52

Tgt Ion:119 Resp: 214959
 Ion Ratio Lower Upper
 119 100
 134 25.4 12.8 38.3
 91 23.9 12.3 36.9

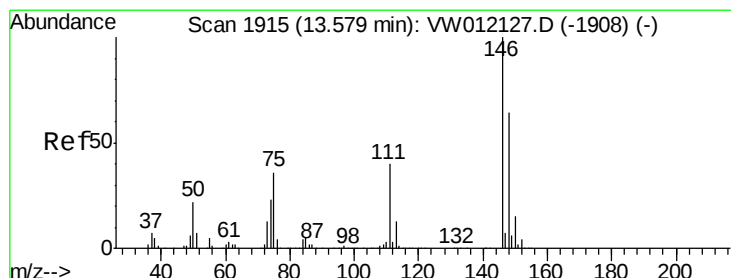
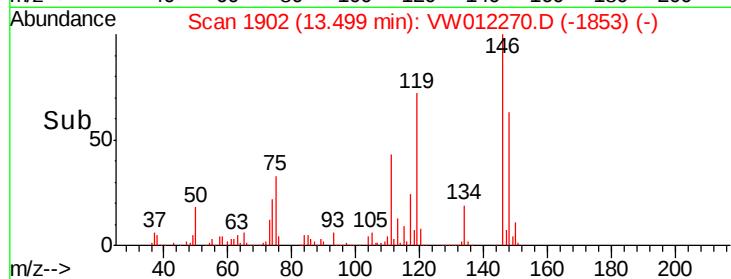
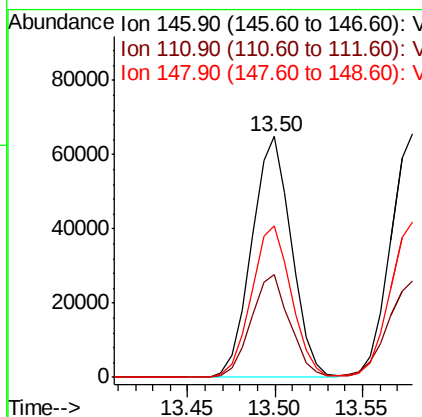
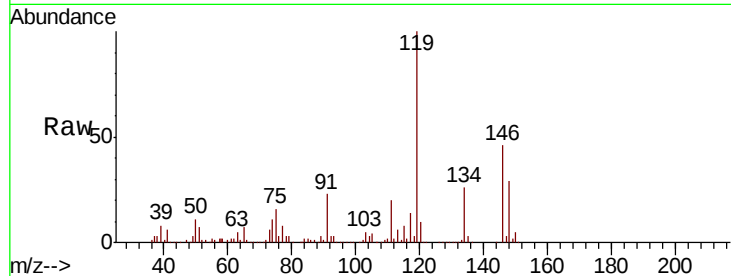




#87
 1,3-Dichlorobenzene
 Concen: 19.620 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012270.D
 Acq: 28 Aug 2019 23:52

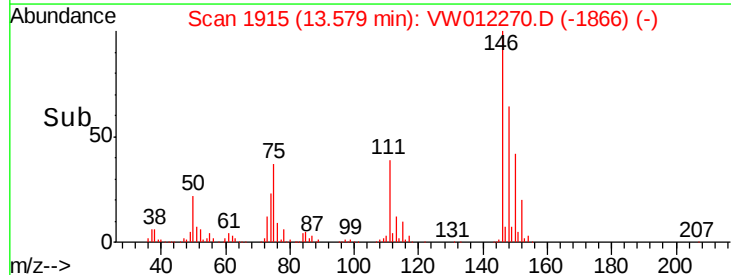
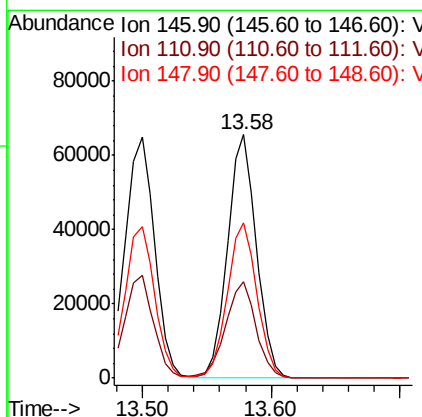
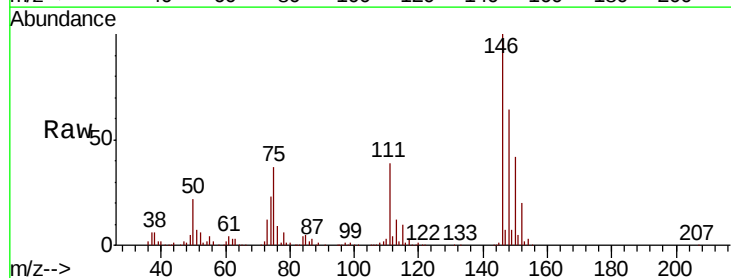
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0828SBS02

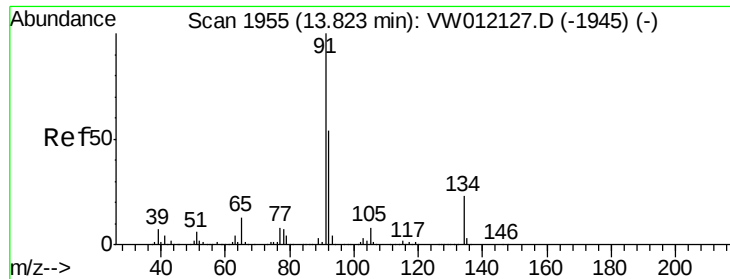
Tgt Ion:146 Resp: 102279
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.9 62.7
 148 63.4 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 19.858 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012270.D
 Acq: 28 Aug 2019 23:52

Tgt Ion:146 Resp: 102787
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.0 60.0
 148 65.2 32.1 96.3





#89

n-Butylbenzene

Concen: 18.940 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBS02

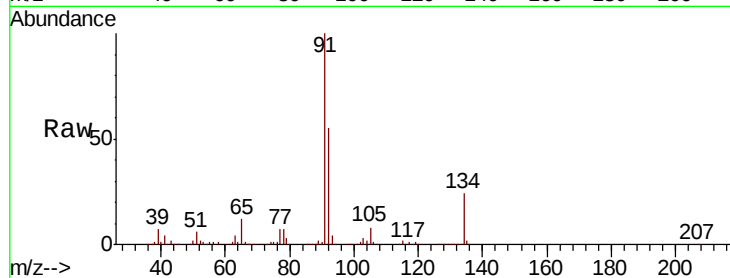
Tgt Ion: 91 Resp: 210135

Ion Ratio Lower Upper

91 100

92 53.9 27.1 81.2

134 24.3 12.2 36.4

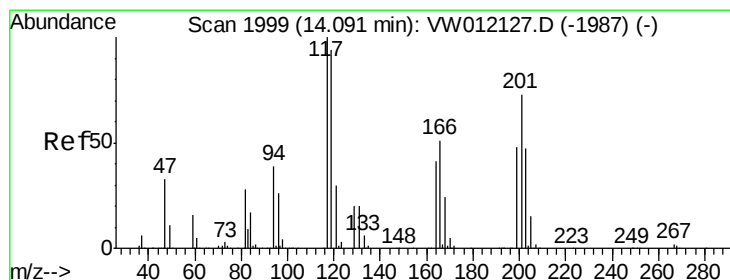
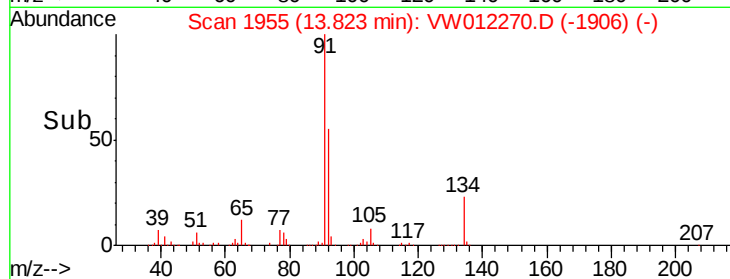
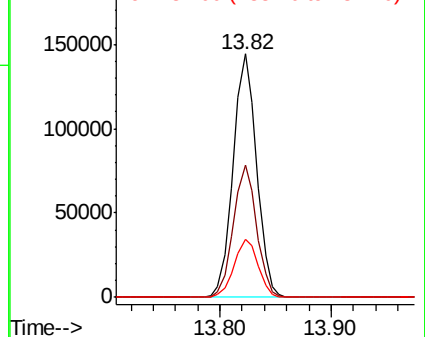


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 18.569 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW012270.D

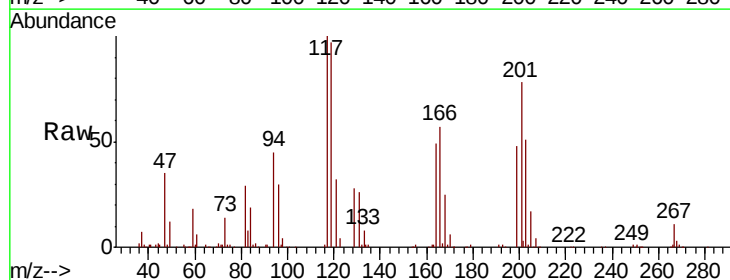
Acq: 28 Aug 2019 23:52

Tgt Ion: 117 Resp: 36347

Ion Ratio Lower Upper

117 100

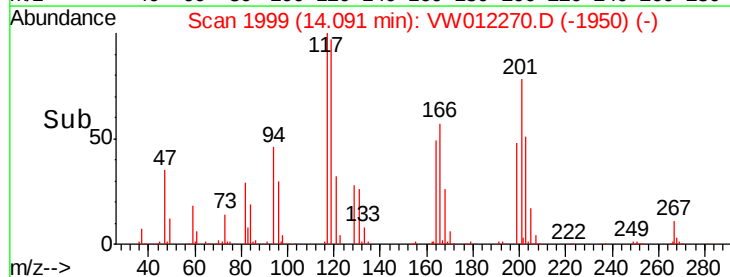
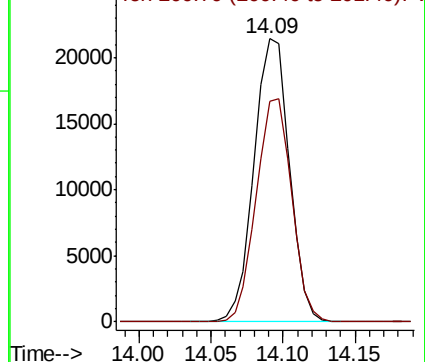
201 79.3 38.6 115.7

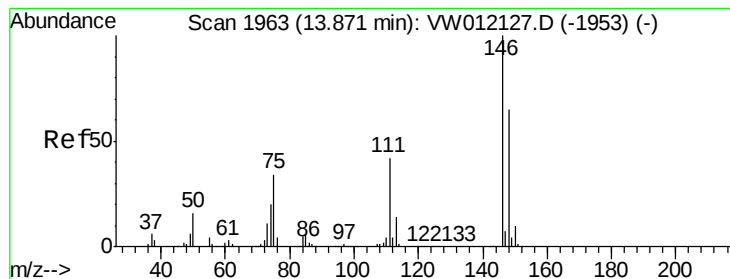


Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 20.187 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBS02

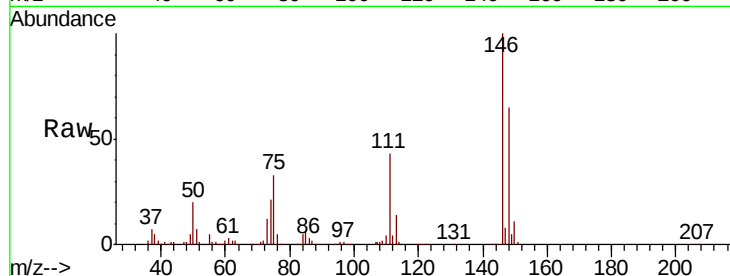
Tgt Ion:146 Resp: 92321

Ion Ratio Lower Upper

146 100

111 43.4 21.2 63.6

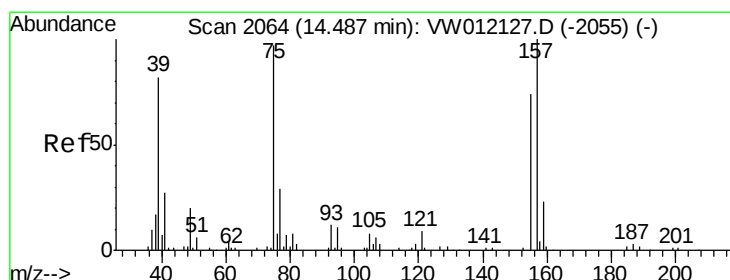
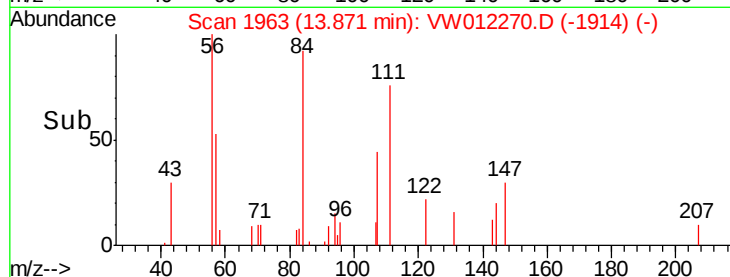
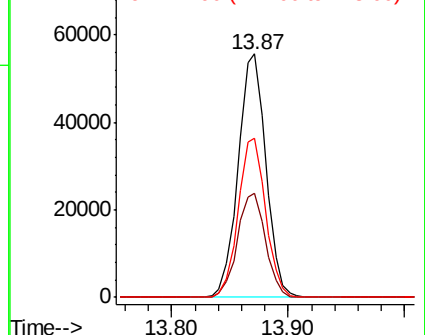
148 64.6 32.5 97.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.404 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

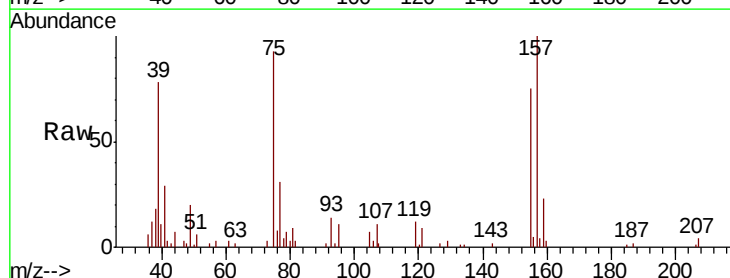
Tgt Ion: 75 Resp: 7769

Ion Ratio Lower Upper

75 100

155 74.3 37.5 112.3

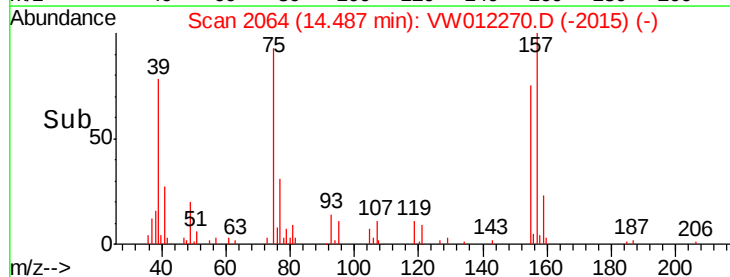
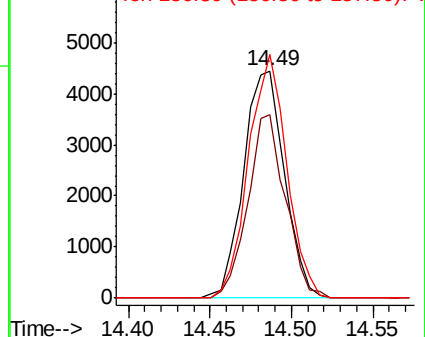
157 100.1 50.5 151.5

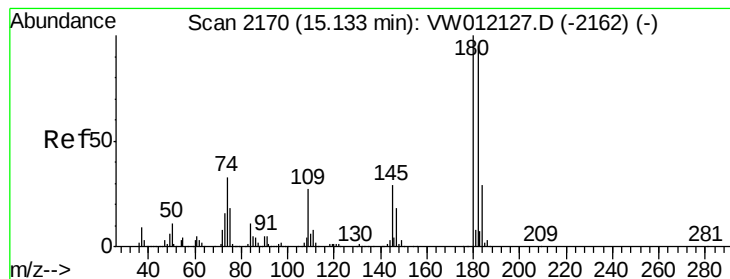


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 19.827 ug/l

RT: 15.13 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBS02

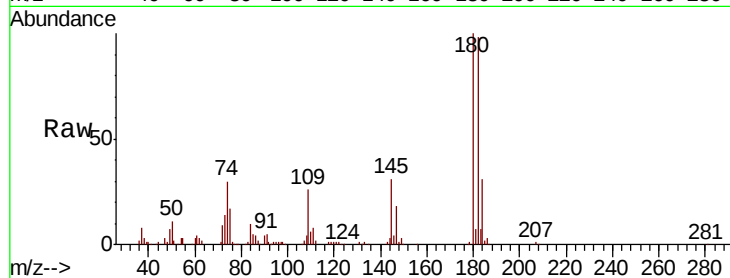
Tgt Ion:180 Resp: 62661

Ion Ratio Lower Upper

180 100

182 95.8 47.8 143.4

145 31.4 15.0 45.1

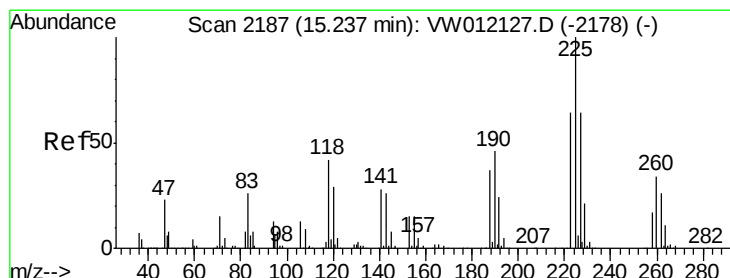
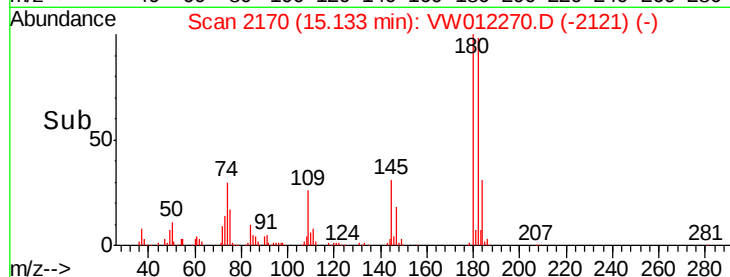
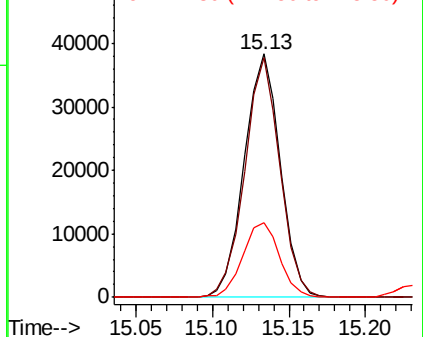


Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 19.563 ug/l

RT: 15.24 min Scan# 2187

Delta R.T. -0.00 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

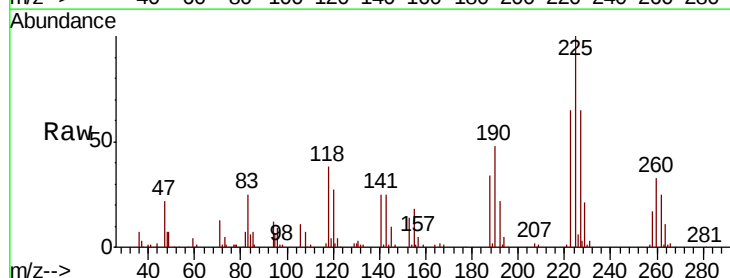
Tgt Ion:225 Resp: 40824

Ion Ratio Lower Upper

225 100

223 62.7 32.3 96.8

227 64.6 32.9 98.6

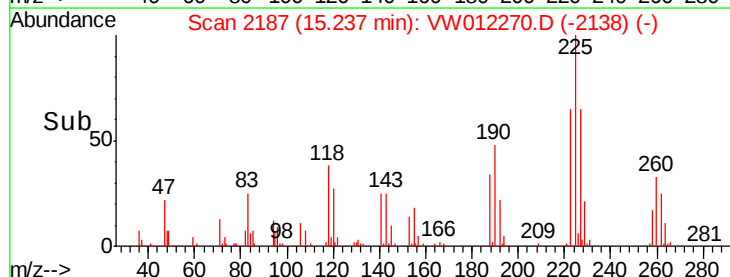
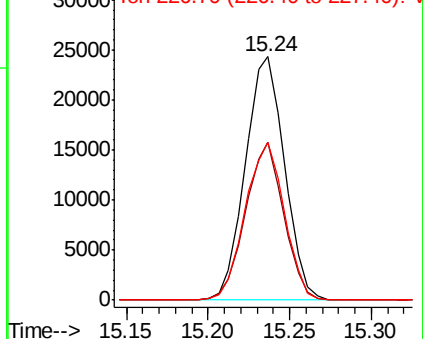


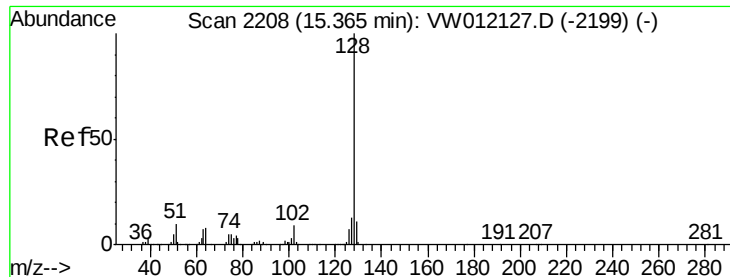
Abundance

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: 21.551 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

Instrument :

MSVOA_W

ClientSampleId :

VW0828SBS02

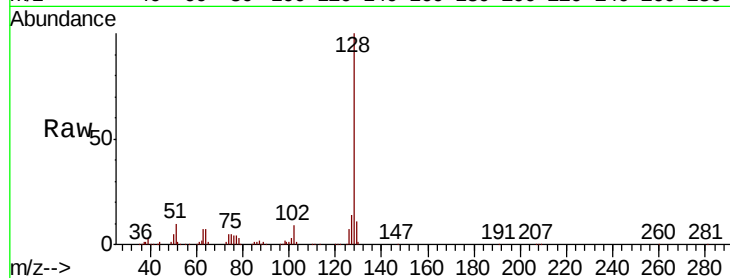
Tgt Ion:128 Resp: 116957

Ion Ratio Lower Upper

128 100

127 13.3 10.7 16.1

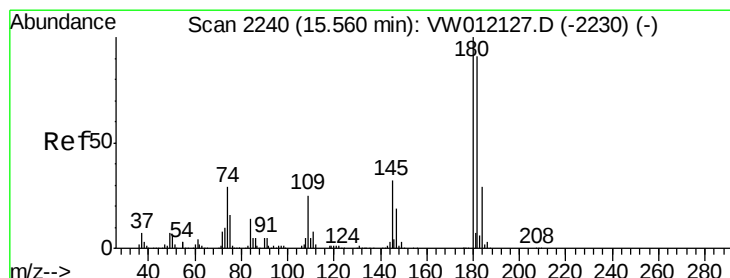
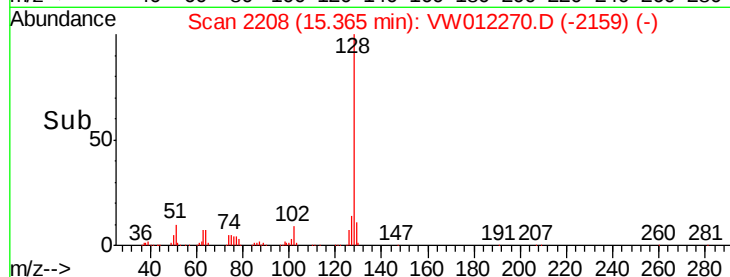
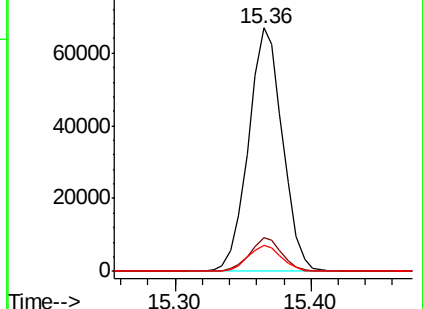
129 10.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.981 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW012270.D

Acq: 28 Aug 2019 23:52

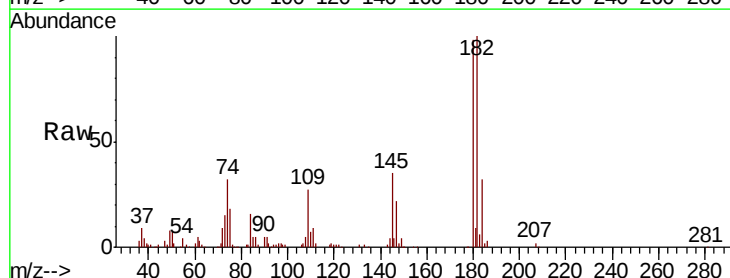
Tgt Ion:180 Resp: 55093

Ion Ratio Lower Upper

180 100

182 97.6 47.1 141.3

145 33.0 16.2 48.5



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

