

Data File : VW012416.D
Acq On : 31 Aug 2019 23:18
Operator : SY/VA
Sample : VW0831SBS02
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS02

Quant Time: Sep 01 03:35:54 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	200236	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	331953	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	296778	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	148663	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	126659	53.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.42%	
35) Dibromofluoromethane	7.88	113	98728	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	
50) Toluene-d8	10.32	98	384308	47.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.66%	
62) 4-Bromofluorobenzene	12.62	95	140758	49.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	19542	15.850	ug/l	99
3) Chloromethane	2.21	50	37867	19.824	ug/l	100
4) Vinyl Chloride	2.35	62	41901	17.922	ug/l	100
6) Chloroethane	2.89	64	25721	19.502	ug/l #	88
7) Trichlorofluoromethane	3.24	101	22335	19.025	ug/l	91
8) Diethyl Ether	3.68	74	23165	20.789	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	37854	18.970	ug/l	98
10) Methyl Iodide	4.26	142	53392	19.775	ug/l	98
11) Tert butyl alcohol	5.17	59	17704	123.591	ug/l	99
12) 1,1-Dichloroethene	4.03	96	36399	18.123	ug/l	94
13) Acrolein	3.89	56	10434	77.380	ug/l	93
14) Allyl chloride	4.66	41	84106	19.588	ug/l	99
15) Acrylonitrile	5.36	53	62892	113.869	ug/l	99
16) Acetone	4.12	43	57748	94.909	ug/l	98
17) Carbon Disulfide	4.37	76	91562	15.084	ug/l	99
18) Methyl Acetate	4.67	43	38580	25.600	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	75527	23.253	ug/l	99
20) Methylene Chloride	4.90	84	49641	21.581	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	41762	19.390	ug/l	91
22) Diisopropyl ether	6.31	45	179586	22.564	ug/l	98
23) Vinyl Acetate	6.25	43	505962	103.298	ug/l	99
24) 1,1-Dichloroethane	6.21	63	91528	21.121	ug/l	99
25) 2-Butanone	7.17	43	86566	104.697	ug/l	99
26) 2,2-Dichloropropane	7.17	77	48645	19.832	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	48256	20.971	ug/l	98
28) Bromochloromethane	7.51	49	41934	22.202	ug/l	99
29) Tetrahydrofuran	7.52	42	56449	113.795	ug/l	99
30) Chloroform	7.67	83	88601	22.347	ug/l	97
31) Cyclohexane	7.95	56	72929	17.010	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	66999	21.362	ug/l	100
36) 1,1-Dichloropropene	8.08	75	63788	18.595	ug/l	100
37) Ethyl Acetate	7.26	43	40502	21.546	ug/l	99
38) Carbon Tetrachloride	8.07	117	57541	19.380	ug/l	97
39) Methylcyclohexane	9.34	83	63145	16.385	ug/l	99

Data File : VW012416.D
Acq On : 31 Aug 2019 23:18
Operator : SY/VA
Sample : VW0831SBS02
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS02

Quant Time: Sep 01 03:35:54 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)
40) Benzene	8.32	78	187101	19.975	ug/l	100
41) Methacrylonitrile	7.48	41	24396	22.082	ug/l	96
42) 1,2-Dichloroethane	8.40	62	65336	22.256	ug/l	100
43) Isopropyl Acetate	8.42	43	74480	21.390	ug/l	99
44) Trichloroethene	9.09	130	44142	19.386	ug/l	96
45) 1,2-Dichloropropane	9.37	63	52585	20.860	ug/l	92
46) Dibromomethane	9.46	93	24321	21.684	ug/l	98
47) Bromodichloromethane	9.64	83	62993	21.102	ug/l	99
48) Methyl methacrylate	9.43	41	35001	21.120	ug/l	96
49) 1,4-Dioxane	9.45	88	8036	468.006	ug/l	92
51) 4-Methyl-2-Pentanone	10.21	43	197160	111.325	ug/l	98
52) Toluene	10.38	92	114064	20.271	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	62612	20.591	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	72848	19.842	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	34633	21.824	ug/l	97
56) Ethyl methacrylate	10.65	69	48335	20.927	ug/l	99
57) 1,3-Dichloropropane	10.93	76	64655	21.560	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	122388	103.249	ug/l	100
59) 2-Hexanone	10.97	43	132380	105.641	ug/l	98
60) Dibromochloromethane	11.13	129	38588	21.831	ug/l	100
61) 1,2-Dibromoethane	11.23	107	32440	21.942	ug/l	99
64) Tetrachloroethene	10.86	164	38961	20.249	ug/l	95
65) Chlorobenzene	11.66	112	118284	20.241	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	42617	20.904	ug/l	99
67) Ethyl Benzene	11.73	91	221397	19.667	ug/l	99
68) m/p-Xylenes	11.84	106	160247	39.519	ug/l	99
69) o-Xylene	12.16	106	76155	20.292	ug/l	99
70) Styrene	12.18	104	132362	20.376	ug/l	98
71) Bromoform	12.35	173	21422	21.090	ug/l #	100
73) Isopropylbenzene	12.46	105	207735	18.648	ug/l	99
74) N-amyl acetate	12.27	43	68837	20.453	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	41200	20.174	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	54682	37.767	ug/l #	100
77) Bromobenzene	12.74	156	48856	20.273	ug/l	98
78) n-propylbenzene	12.80	91	254649	18.725	ug/l	99
79) 2-Chlorotoluene	12.89	91	148972	19.295	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	181502	19.499	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	11899	18.019	ug/l	95
82) 4-Chlorotoluene	12.99	91	157013	19.422	ug/l	99
83) tert-Butylbenzene	13.21	119	153453	19.462	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	182709	19.540	ug/l	100
85) sec-Butylbenzene	13.38	105	213234	18.876	ug/l	100
86) p-Isopropyltoluene	13.50	119	192604	19.092	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	93291	19.791	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	93708	20.021	ug/l	99
89) n-Butylbenzene	13.82	91	183694	18.310	ug/l	100
90) Hexachloroethane	14.09	117	33422	18.883	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	84037	20.323	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7152	20.774	ug/l	98
93) 1,2,4-Trichlorobenzene	15.13	180	56543	19.787	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW083119\
Quantitation Report (Not Reviewed)

Data File : VW012416.D
Acq On : 31 Aug 2019 23:18
Operator : SY/VA
Sample : VW0831SBS02
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS02

Quant Time: Sep 01 03:35:54 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

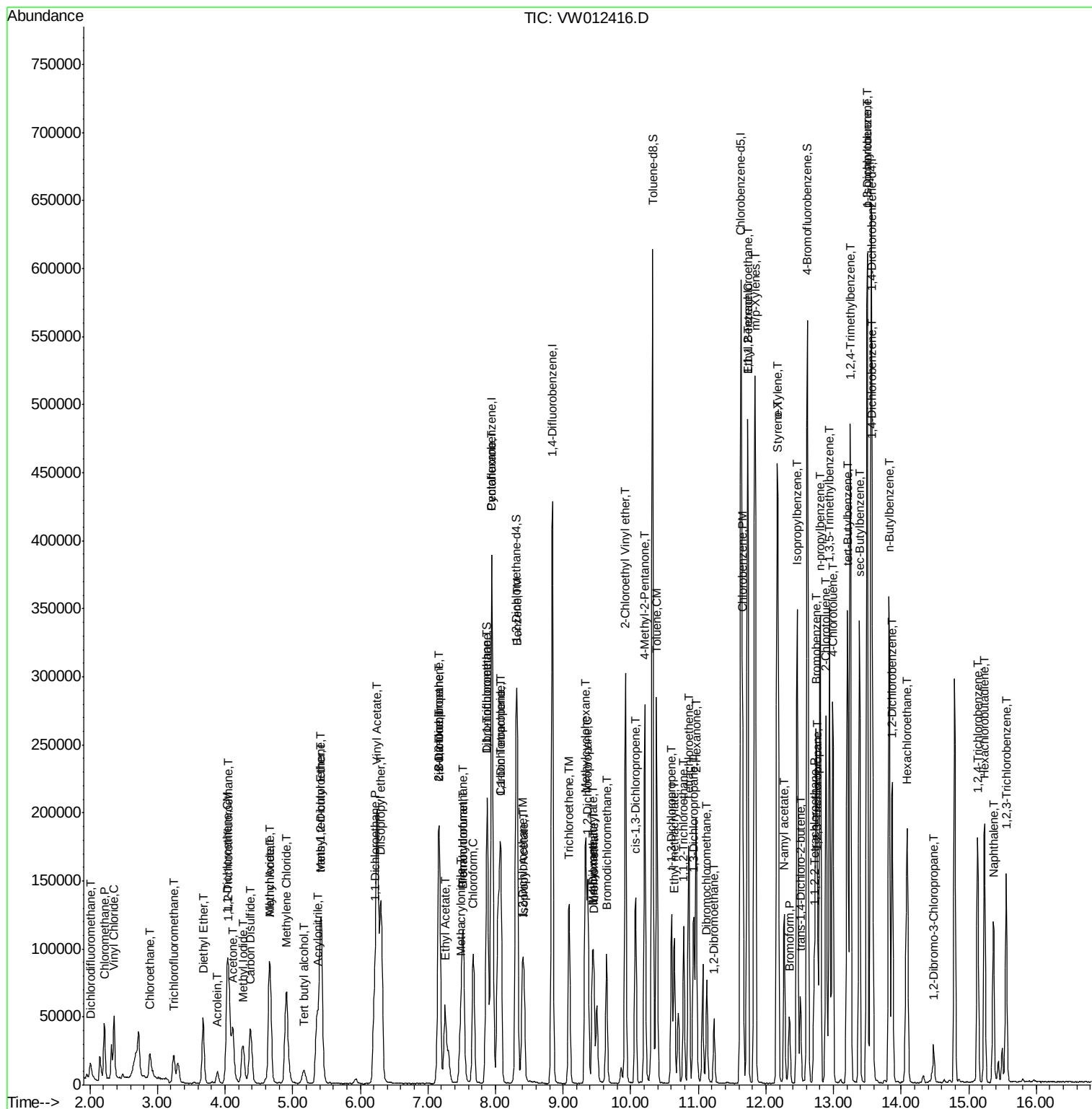
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.24	225	38078	20.180	ug/l	98
95) Naphthalene	15.36	128	96271	20.006	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	49697	19.933	ug/l	99

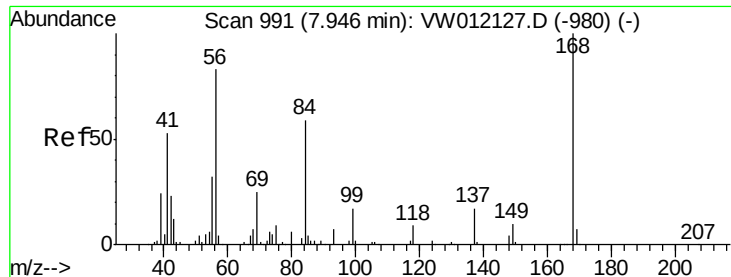
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW012416.D
Acq On : 31 Aug 2019 23:18
Operator : SY/VA
Sample : VW0831SBS02
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS02

Quant Time: Sep 01 03:35:54 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Instrument :

MSVOA_W

ClientSampleId :

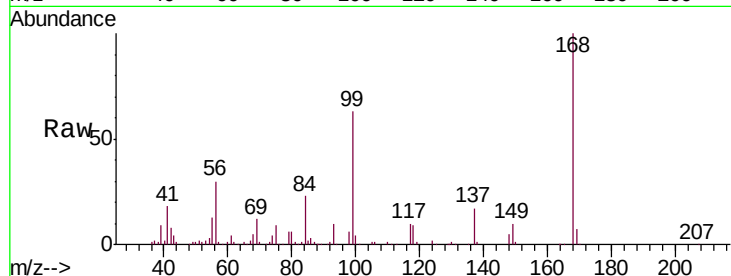
VW0831SBS02

Tgt Ion:168 Resp: 200236

Ion Ratio Lower Upper

168 100

99 62.6 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

100000

80000

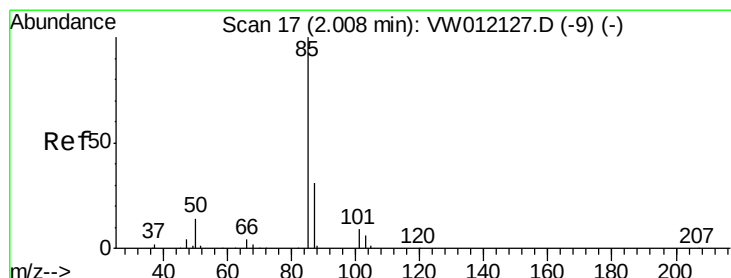
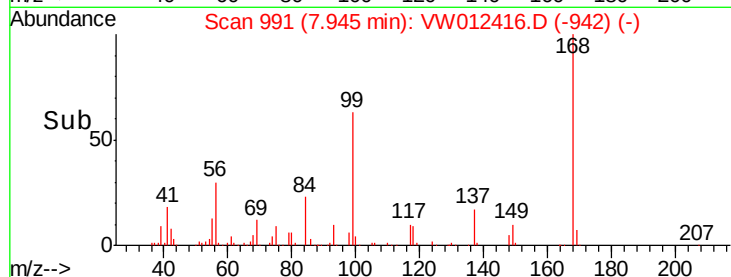
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 15.850 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012416.D

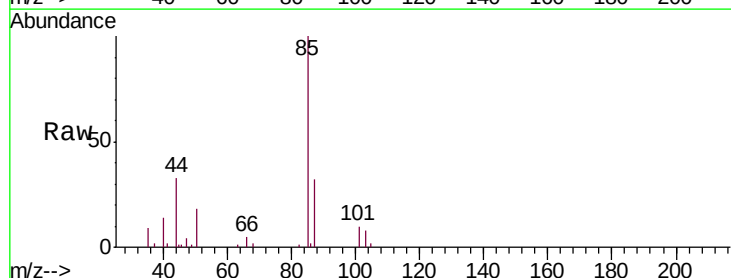
Acq: 31 Aug 2019 23:18

Tgt Ion: 85 Resp: 19542

Ion Ratio Lower Upper

85 100

87 31.5 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

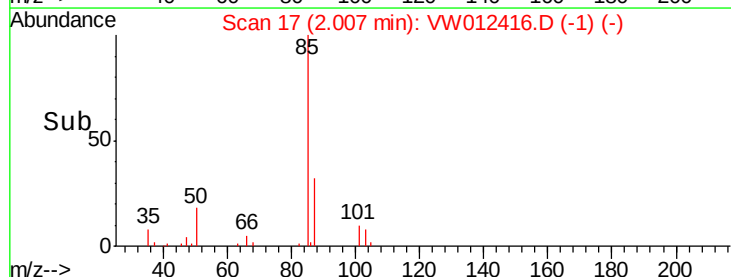
6000

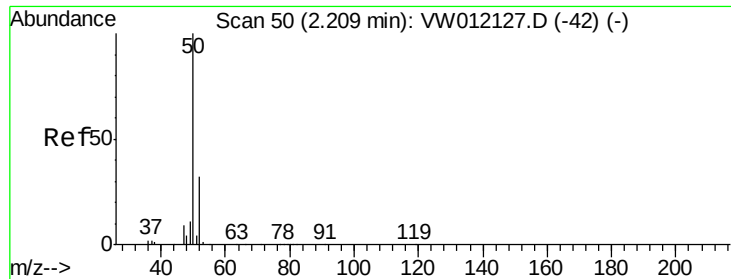
4000

2000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 19.824 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Instrument :

MSVOA_W

ClientSampleId :

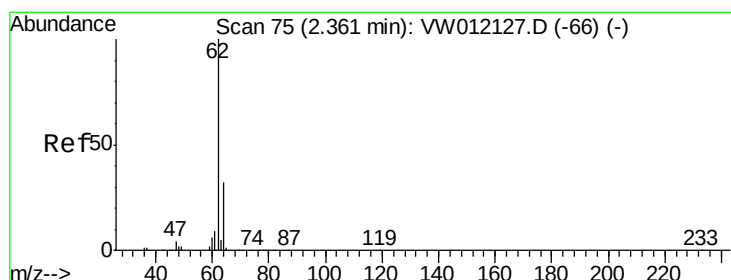
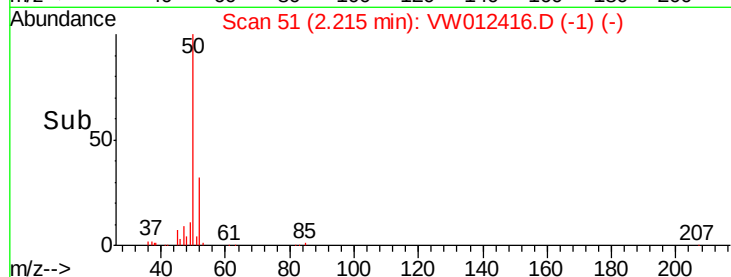
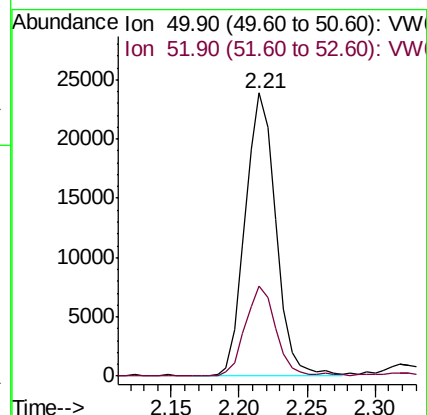
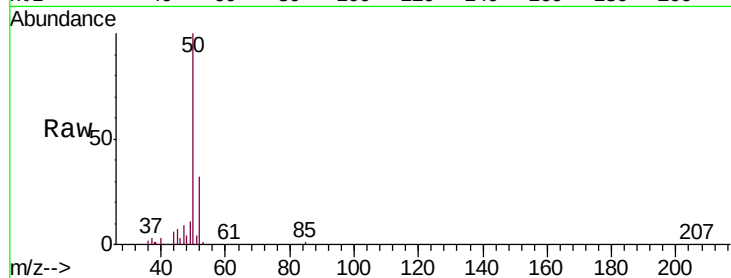
VW0831SBS02

Tgt Ion: 50 Resp: 37867

Ion Ratio Lower Upper

50 100

52 32.0 25.5 38.3



#4

Vinyl Chloride

Concen: 17.922 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012416.D

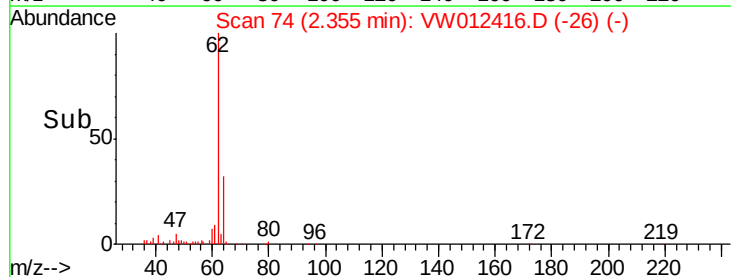
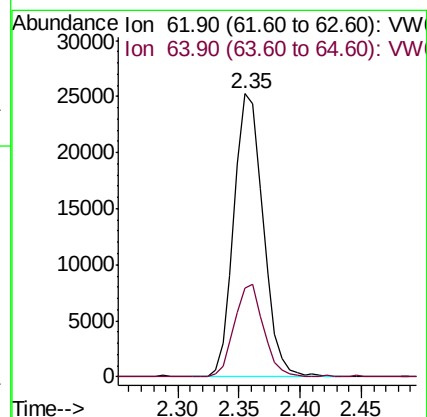
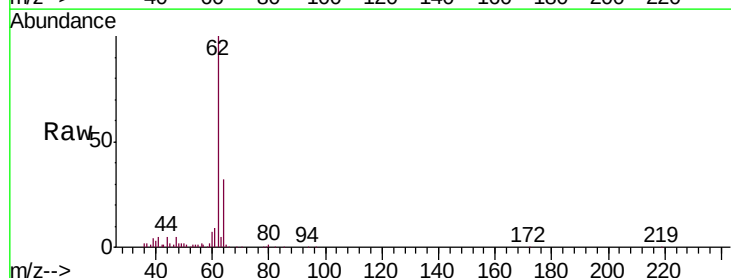
Acq: 31 Aug 2019 23:18

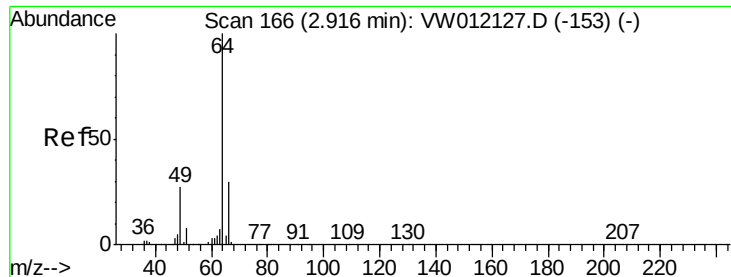
Tgt Ion: 62 Resp: 41901

Ion Ratio Lower Upper

62 100

64 31.6 25.3 37.9





#6

Chloroethane

Concen: 19.502 ug/l

RT: 2.89 min Scan# 162

Delta R.T. -0.02 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Instrument :

MSVOA_W

ClientSampleId :

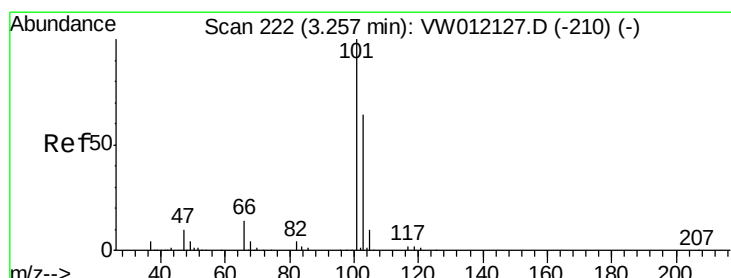
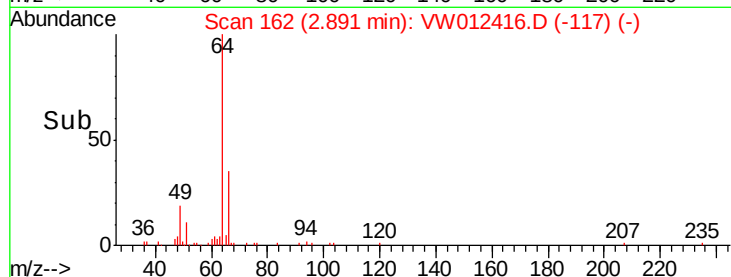
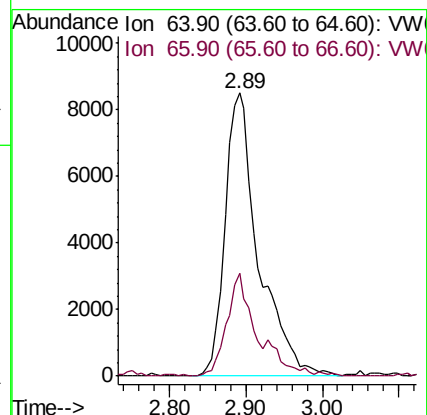
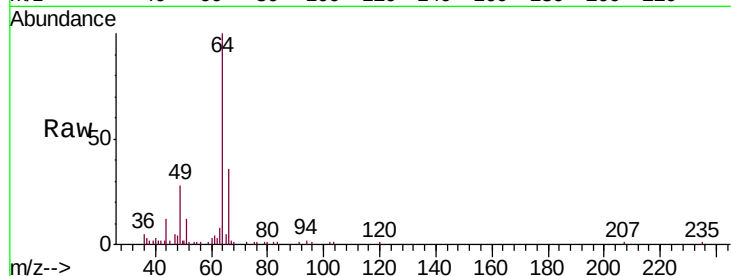
VW0831SBS02

Tgt Ion: 64 Resp: 25721

Ion Ratio Lower Upper

64 100

66 36.2 23.8 35.8#



#7

Trichlorofluoromethane

Concen: 19.025 ug/l

RT: 3.24 min Scan# 219

Delta R.T. -0.02 min

Lab File: VW012416.D

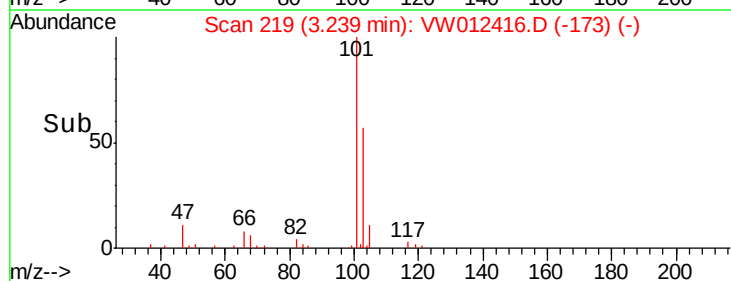
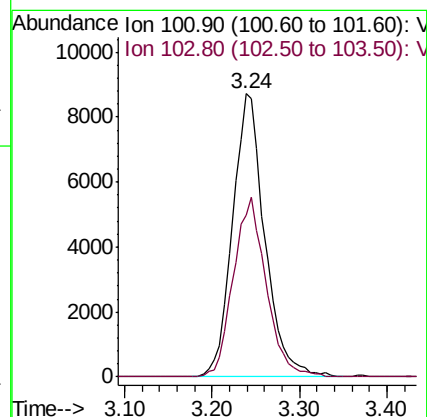
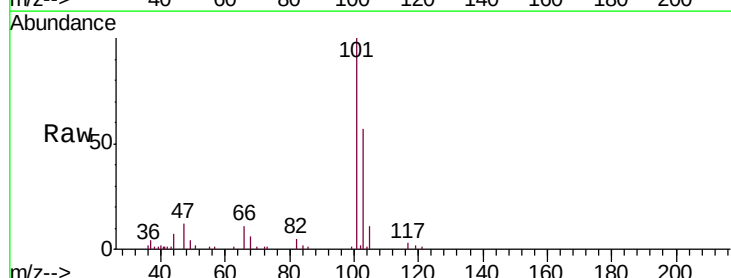
Acq: 31 Aug 2019 23:18

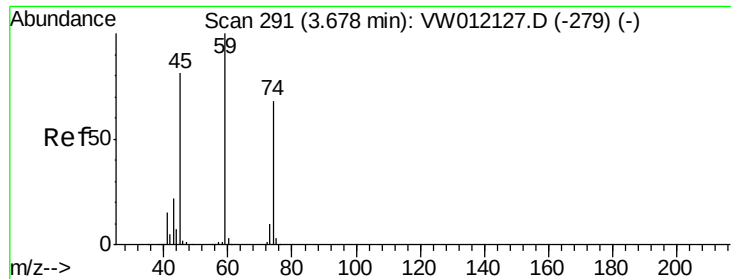
Tgt Ion: 101 Resp: 22335

Ion Ratio Lower Upper

101 100

103 57.1 51.2 76.8





#8

Diethyl Ether

Concen: 20.789 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Instrument :

MSVOA_W

ClientSampleId :

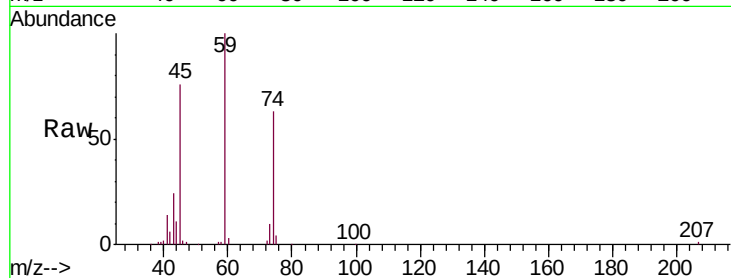
VW0831SBS02

Tgt Ion: 74 Resp: 23165

Ion Ratio Lower Upper

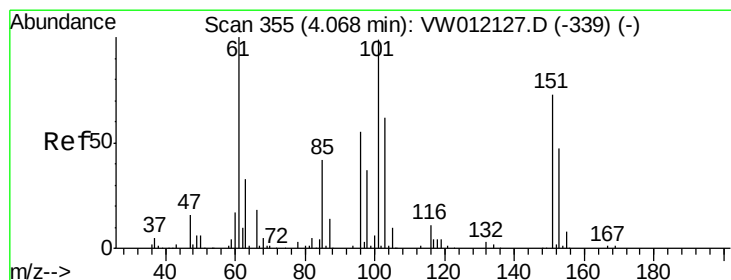
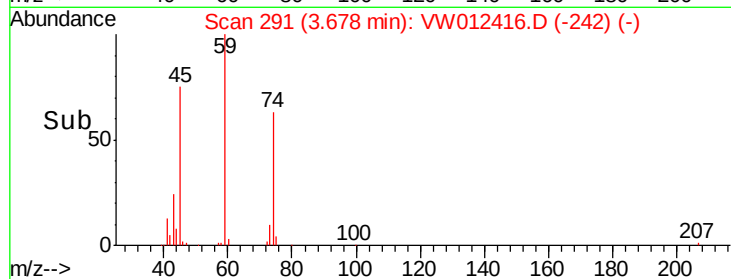
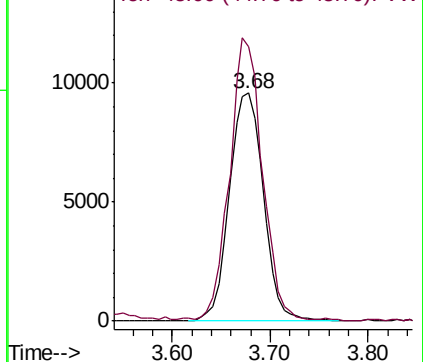
74 100

45 118.6 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.970 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

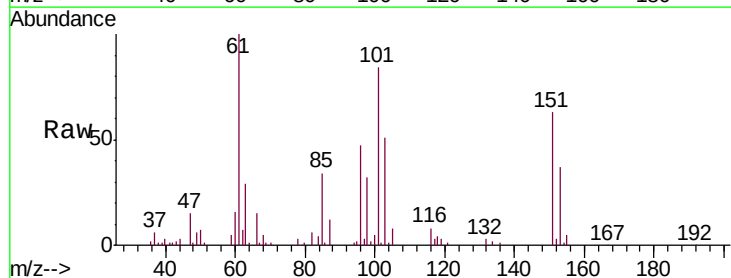
Tgt Ion: 101 Resp: 37854

Ion Ratio Lower Upper

101 100

85 45.5 35.8 53.6

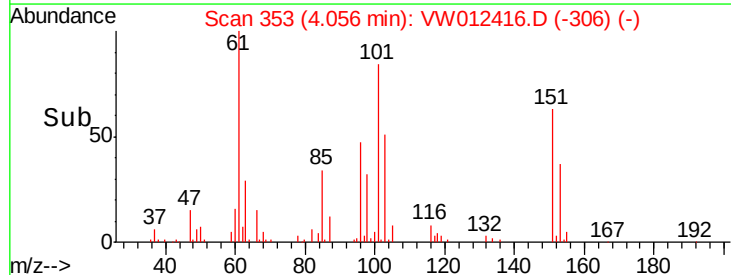
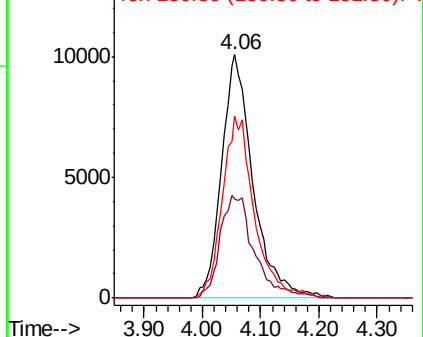
151 75.7 58.6 87.8

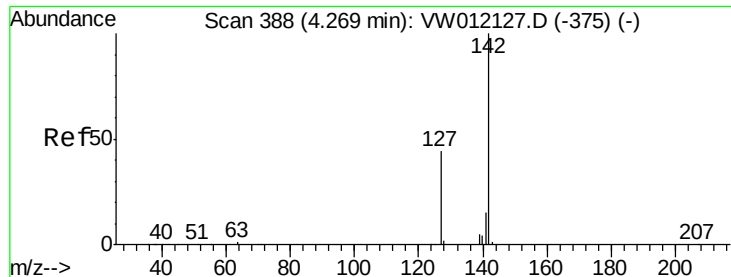


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V

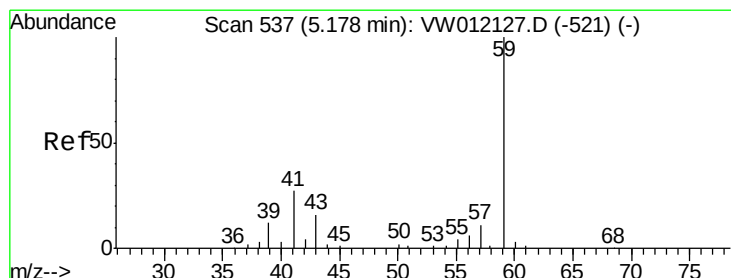
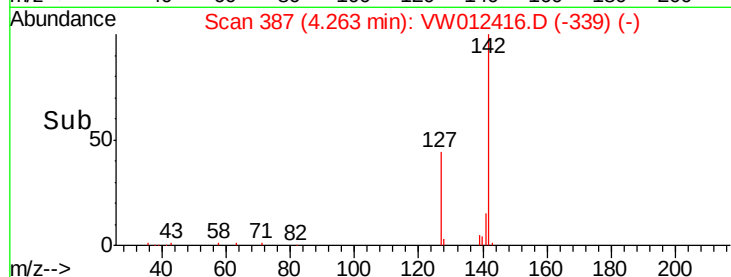
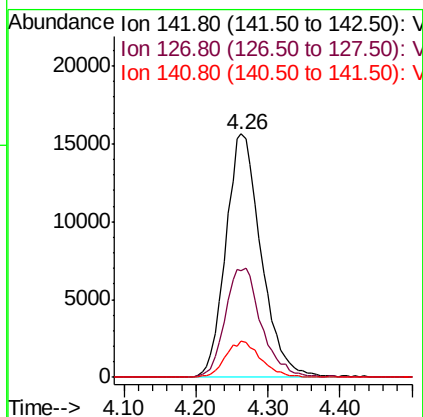
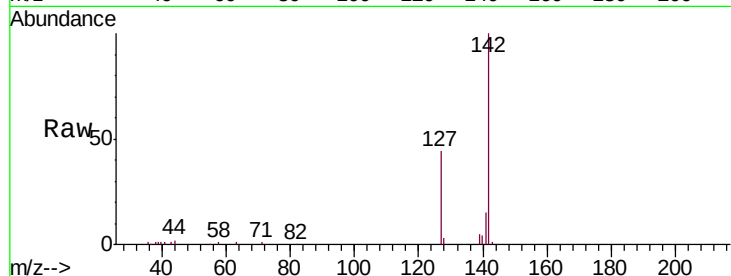




#10
Methyl Iodide
Concen: 19.775 ug/l
RT: 4.26 min Scan# 387
Delta R.T. -0.01 min
Lab File: VW012416.D
Acq: 31 Aug 2019 23:18

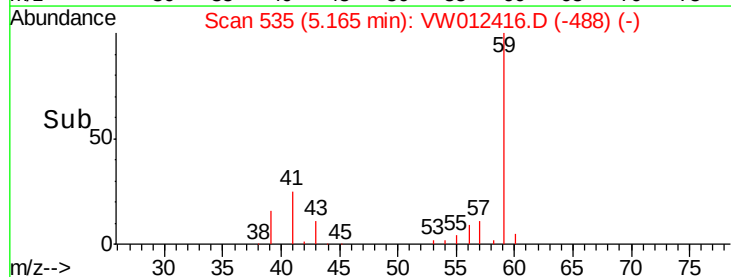
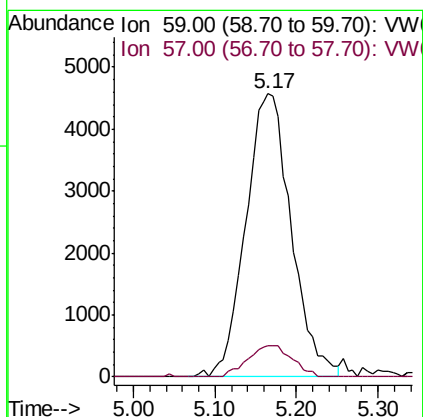
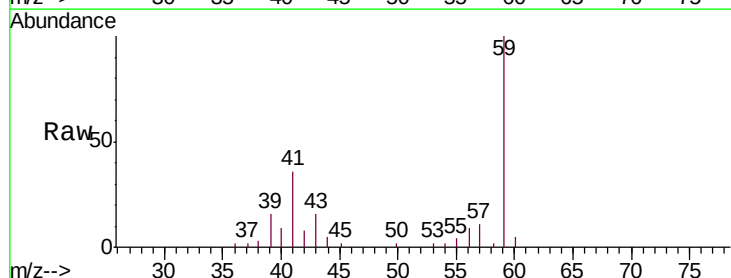
Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS02

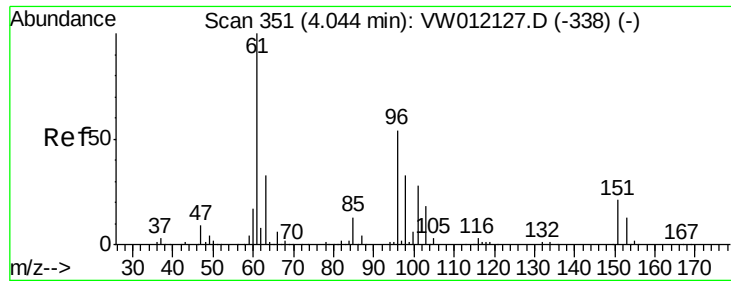
Tgt Ion:142 Resp: 53392
Ion Ratio Lower Upper
142 100
127 46.0 35.5 53.3
141 14.9 11.8 17.8



#11
Tert butyl alcohol
Concen: 123.591 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW012416.D
Acq: 31 Aug 2019 23:18

Tgt Ion: 59 Resp: 17704
Ion Ratio Lower Upper
59 100
57 10.8 9.0 13.4

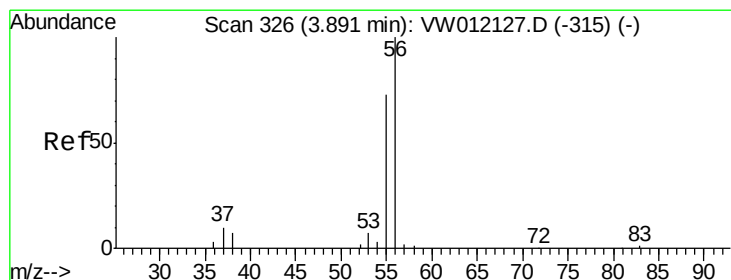
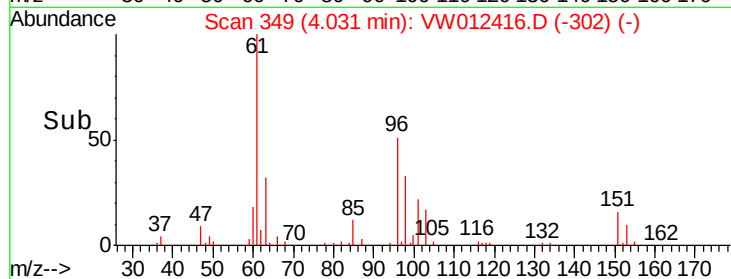
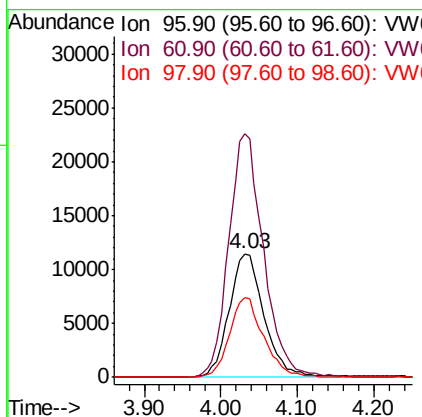
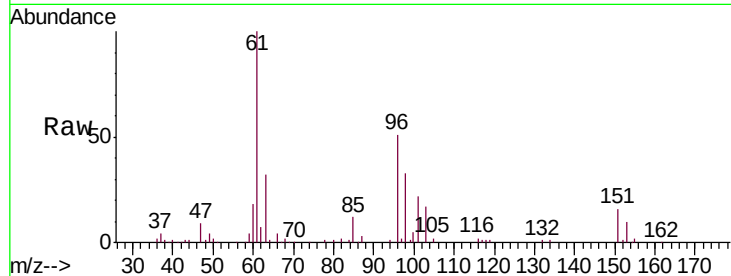




#12
 1,1-Dichloroethene
 Concen: 18.123 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW012416.D
 Acq: 31 Aug 2019 23:18

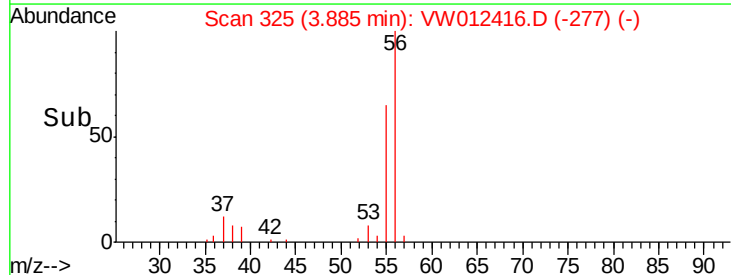
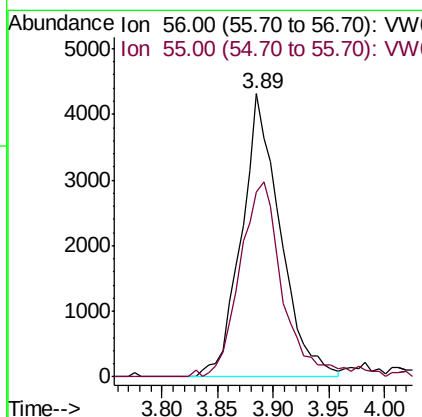
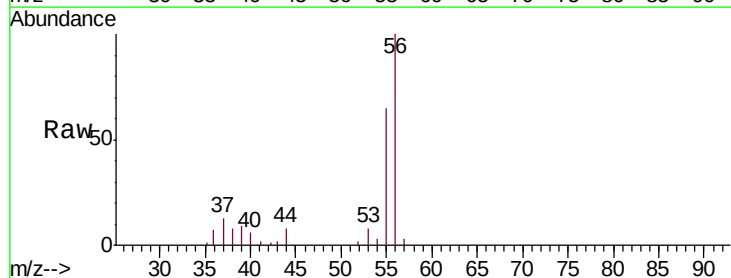
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS02

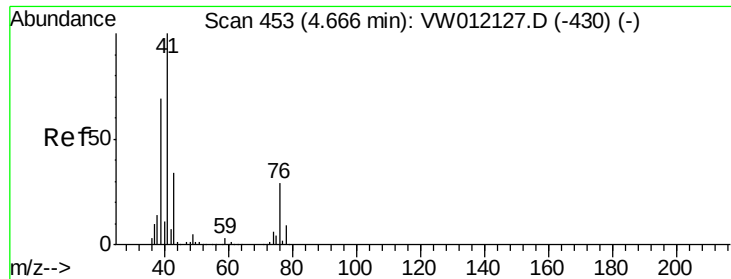
Tgt Ion: 96 Resp: 36399
 Ion Ratio Lower Upper
 96 100
 61 197.2 149.1 223.7
 98 64.4 49.4 74.2



#13
 Acrolein
 Concen: 77.380 ug/l
 RT: 3.89 min Scan# 325
 Delta R.T. -0.01 min
 Lab File: VW012416.D
 Acq: 31 Aug 2019 23:18

Tgt Ion: 56 Resp: 10434
 Ion Ratio Lower Upper
 56 100
 55 75.6 55.8 83.8

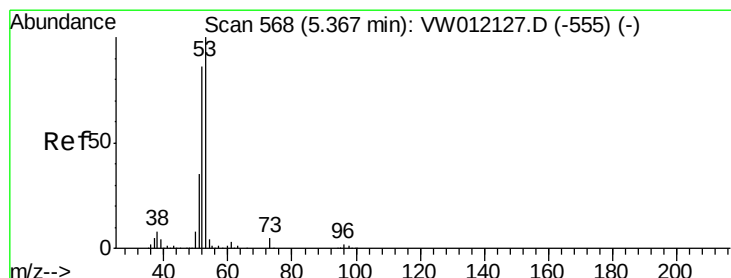
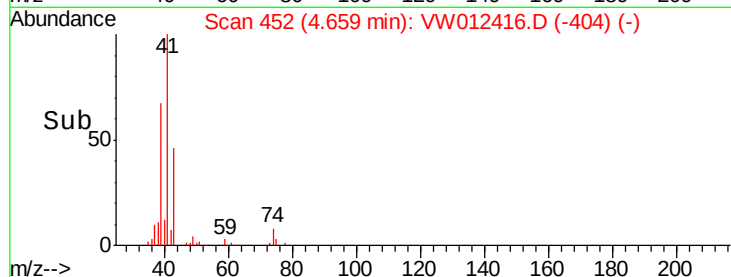
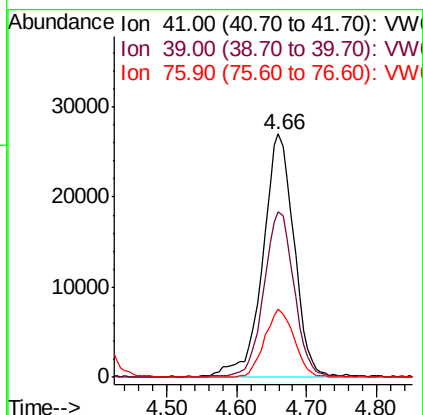
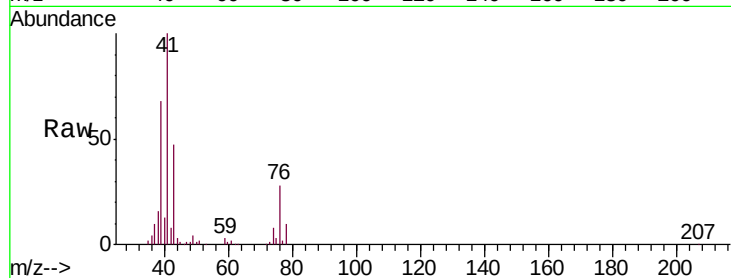




#14
 Allyl chloride
 Concen: 19.588 ug/l
 RT: 4.66 min Scan# 452
 Delta R.T. -0.01 min
 Lab File: VW012416.D
 Acq: 31 Aug 2019 23:18

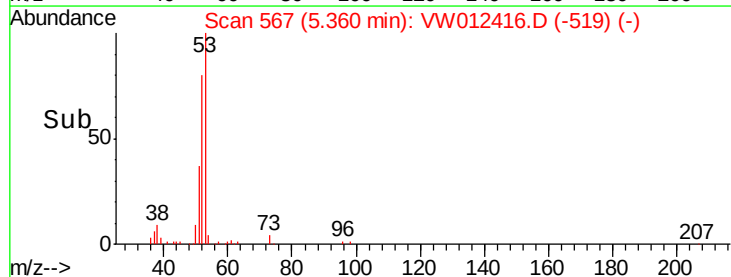
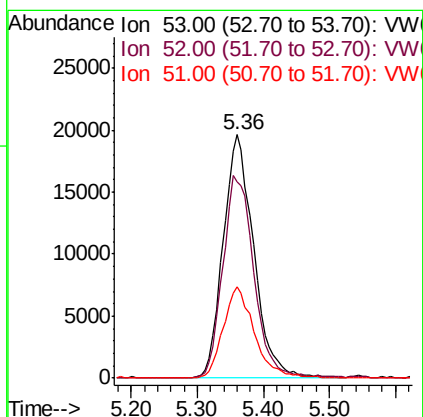
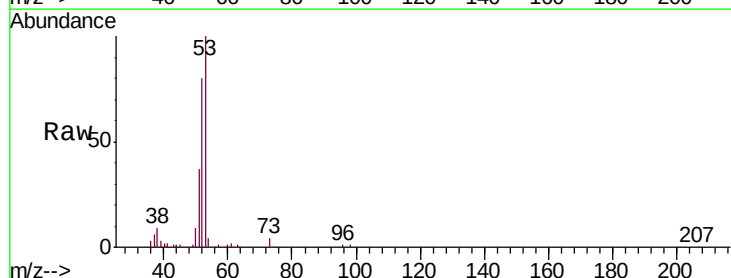
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS02

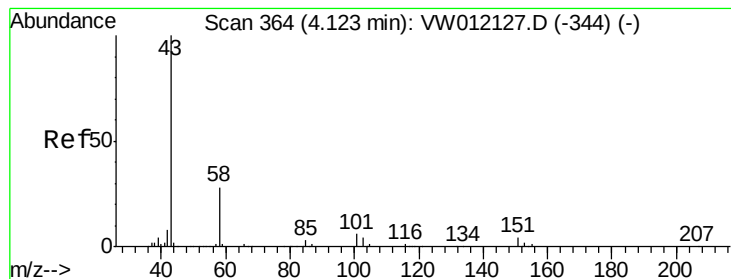
Tgt Ion: 41 Resp: 84106
 Ion Ratio Lower Upper
 41 100
 39 66.3 53.4 80.2
 76 26.6 22.1 33.1



#15
 Acrylonitrile
 Concen: 113.869 ug/l
 RT: 5.36 min Scan# 567
 Delta R.T. -0.01 min
 Lab File: VW012416.D
 Acq: 31 Aug 2019 23:18

Tgt Ion: 53 Resp: 62892
 Ion Ratio Lower Upper
 53 100
 52 84.1 66.7 100.1
 51 38.3 30.1 45.1





#16

Acetone

Concen: 94.909 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Instrument :

MSVOA_W

ClientSampleId :

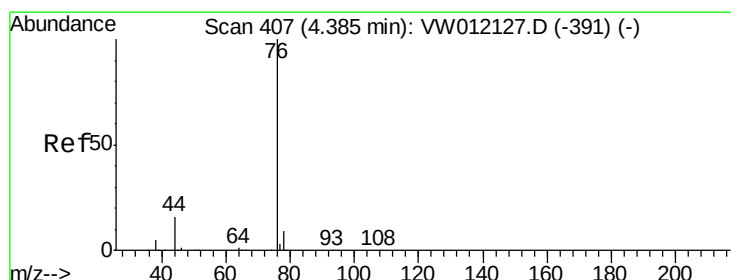
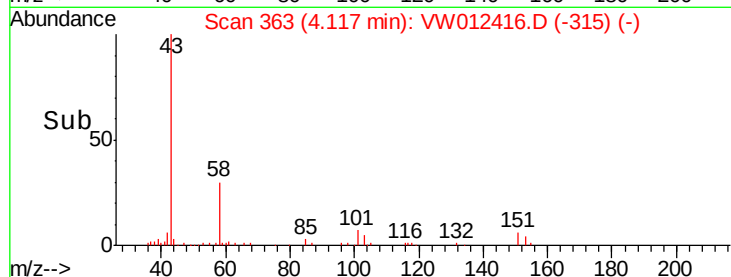
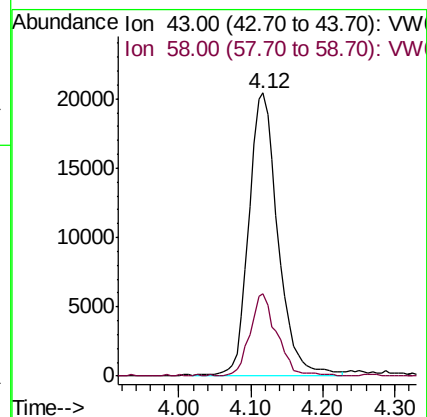
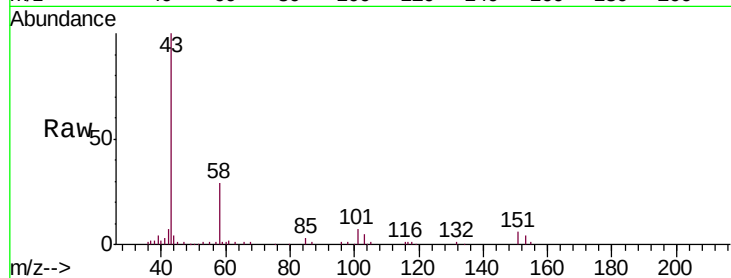
VW0831SBS02

Tgt Ion: 43 Resp: 57748

Ion Ratio Lower Upper

43 100

58 29.3 22.4 33.6



#17

Carbon Disulfide

Concen: 15.084 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW012416.D

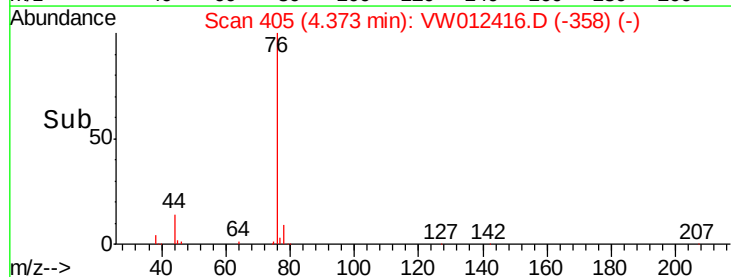
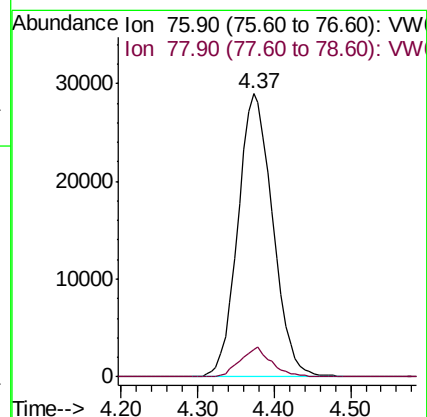
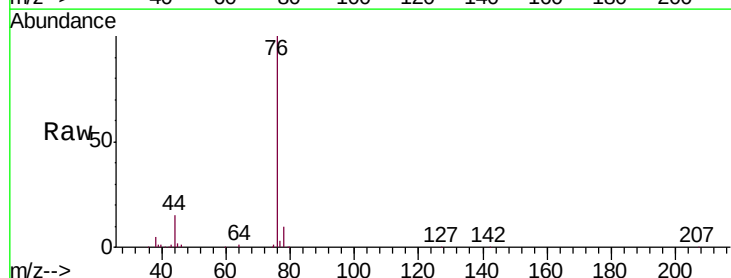
Acq: 31 Aug 2019 23:18

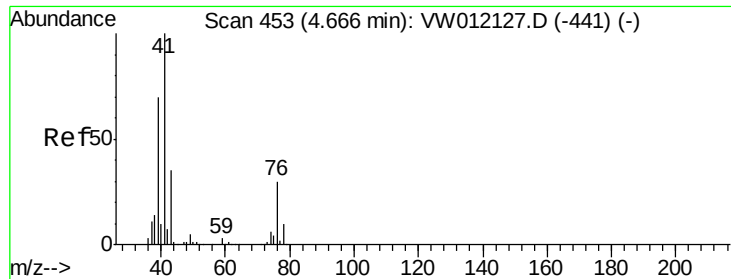
Tgt Ion: 76 Resp: 91562

Ion Ratio Lower Upper

76 100

78 9.6 7.3 10.9

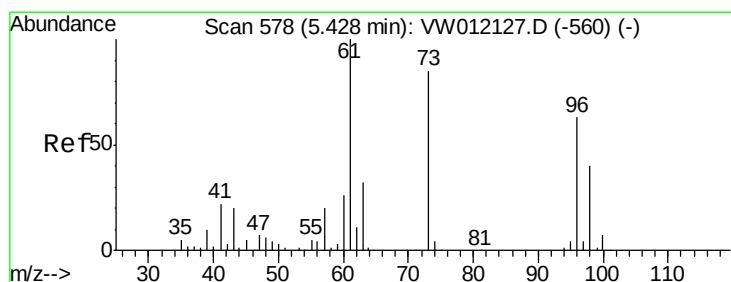
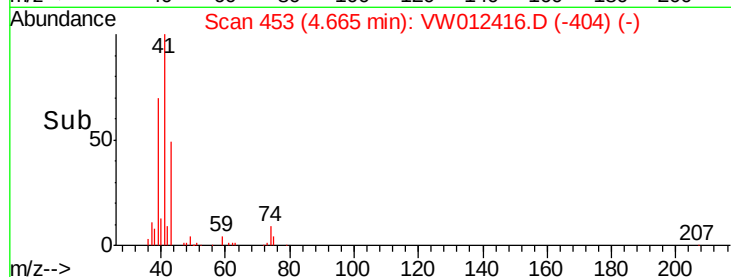
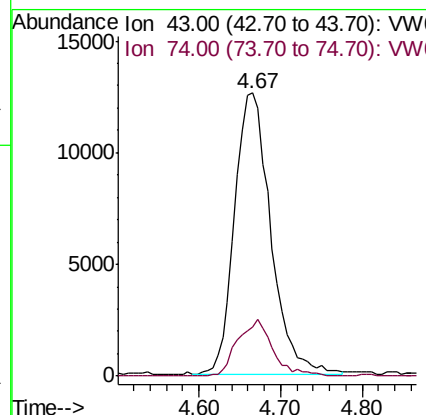
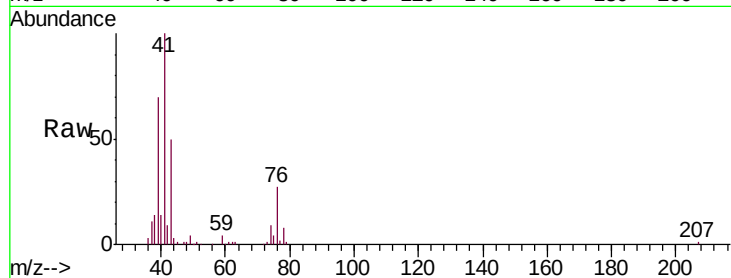




#18
Methyl Acetate
Concen: 25.600 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW012416.D
Acq: 31 Aug 2019 23:18

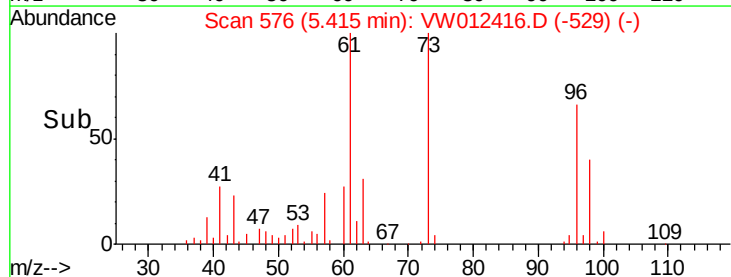
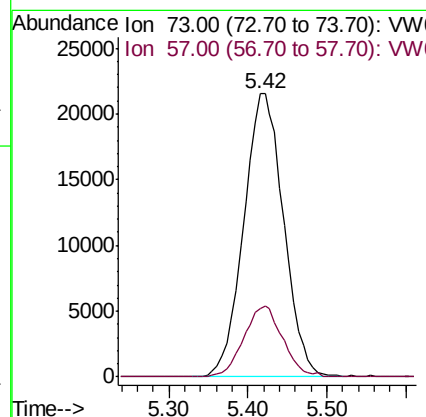
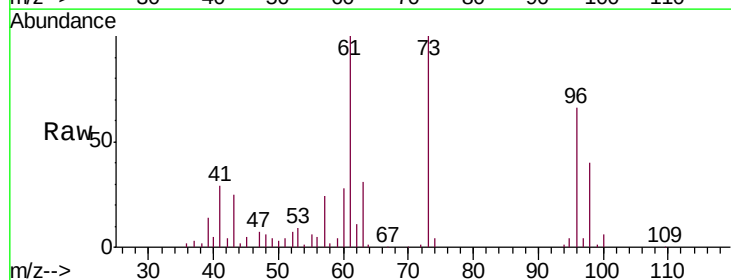
Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS02

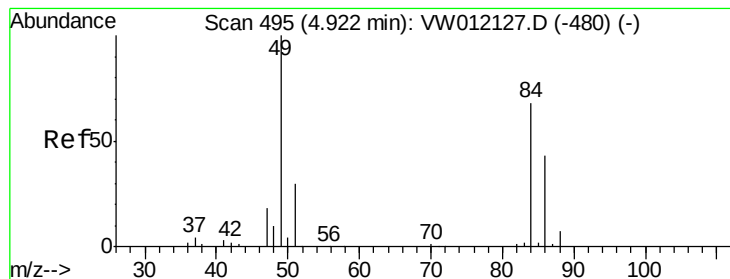
Tgt Ion: 43 Resp: 38580
Ion Ratio Lower Upper
43 100
74 19.6 15.7 23.5



#19
Methyl tert-butyl Ether
Concen: 23.253 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW012416.D
Acq: 31 Aug 2019 23:18

Tgt Ion: 73 Resp: 75527
Ion Ratio Lower Upper
73 100
57 24.3 18.9 28.3





#20

Methylene Chloride

Concen: 21.581 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.02 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS02

Tgt Ion: 84 Resp: 49641

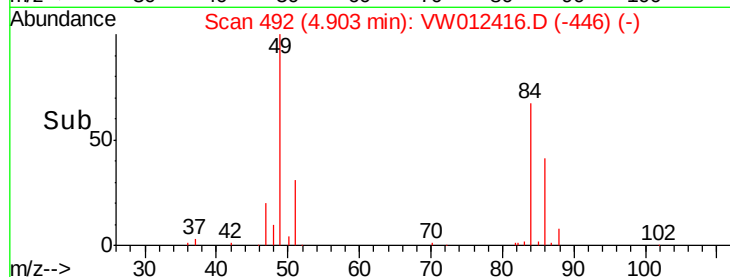
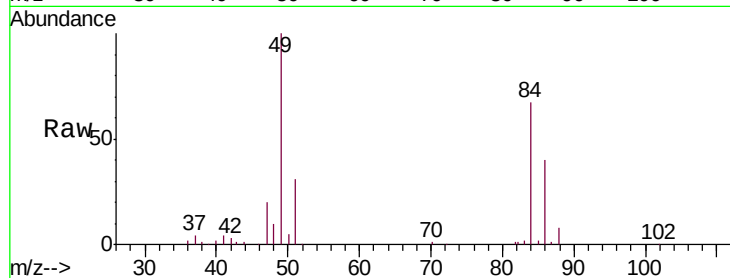
Ion Ratio Lower Upper

84 100

49 149.4 117.8 176.8

51 46.7 35.6 53.4

86 60.6 51.2 76.8

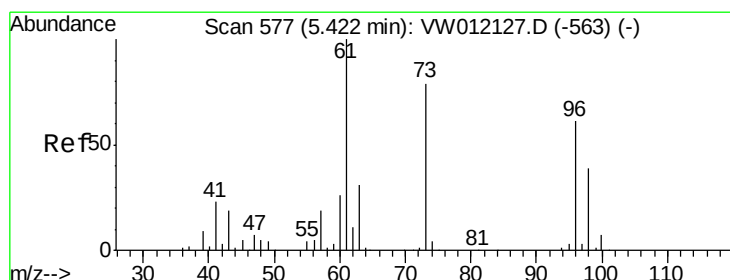
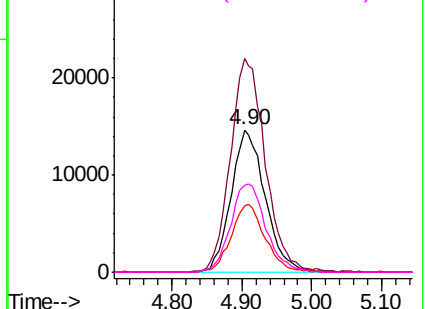


Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#21

trans-1,2-Dichloroethene

Concen: 19.390 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

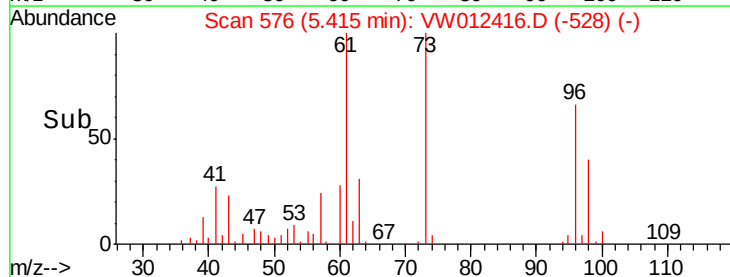
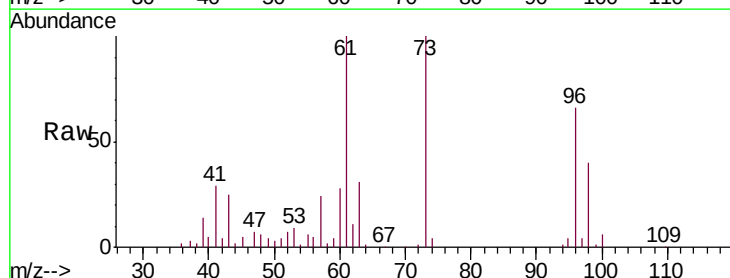
Tgt Ion: 96 Resp: 41762

Ion Ratio Lower Upper

96 100

61 150.5 131.4 197.0

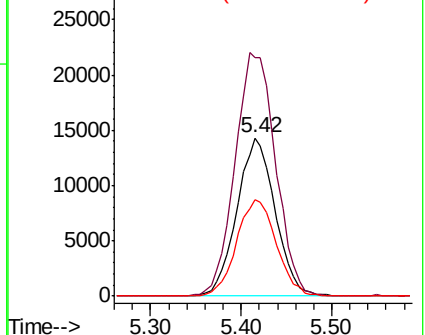
98 60.7 51.4 77.0

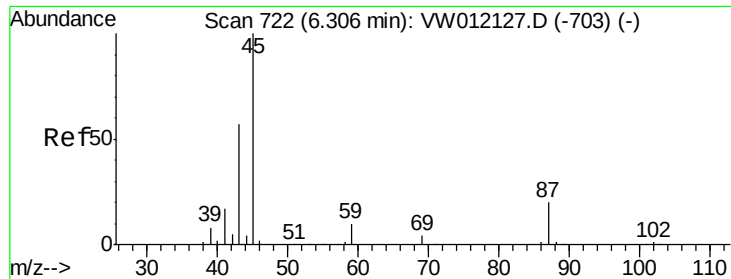


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW





#22

Diisopropyl ether

Concen: 22.564 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS02

Tgt Ion: 45 Resp: 179586

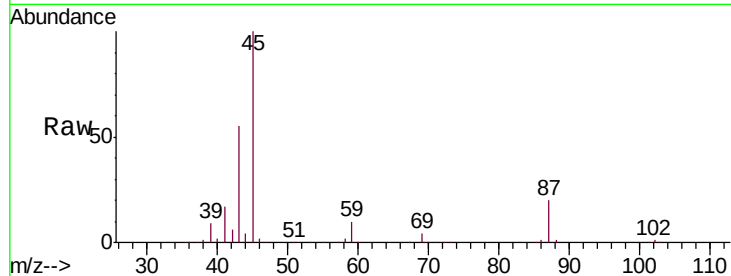
Ion Ratio Lower Upper

45 100

43 54.7 45.5 68.3

87 20.4 16.1 24.1

59 9.7 8.2 12.2

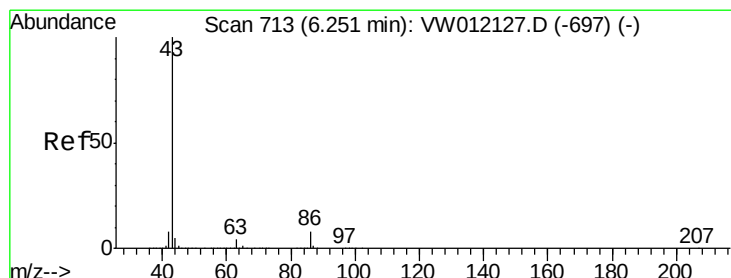
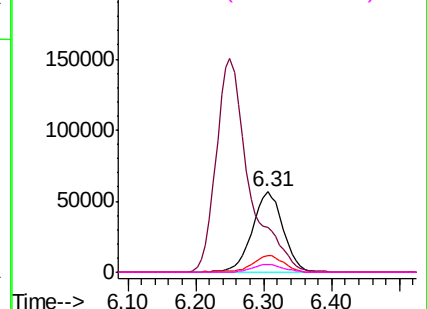
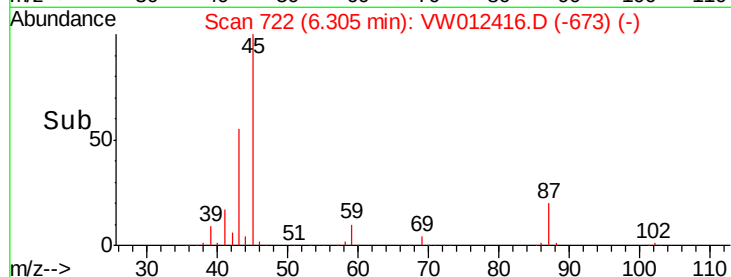


Abundance Ion 45.00 (44.70 to 45.70): VW

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: 103.298 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012416.D

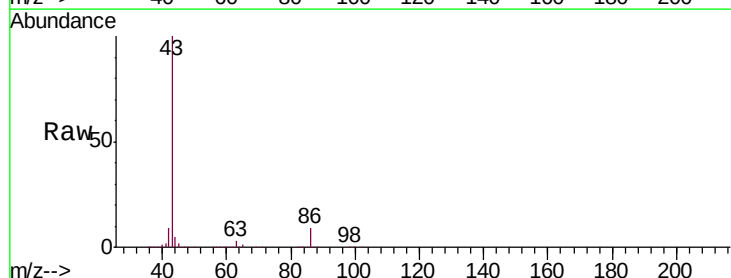
Acq: 31 Aug 2019 23:18

Tgt Ion: 43 Resp: 505962

Ion Ratio Lower Upper

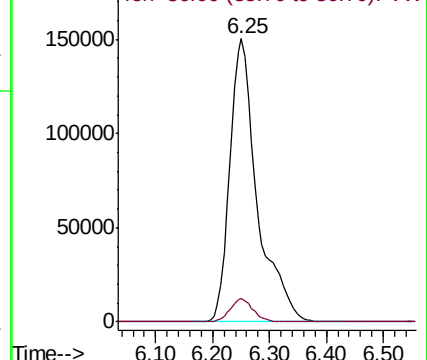
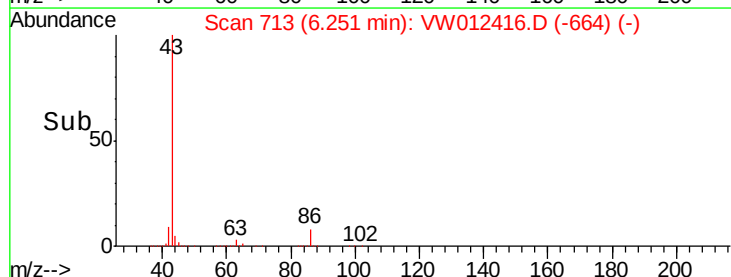
43 100

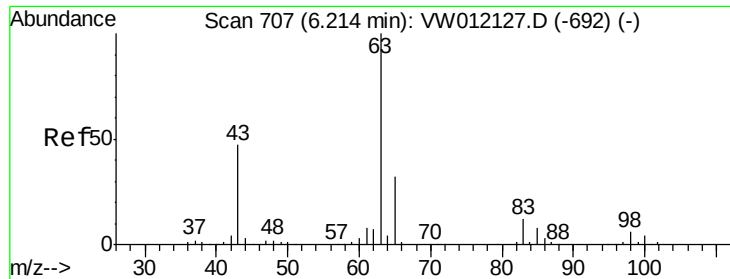
86 8.5 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

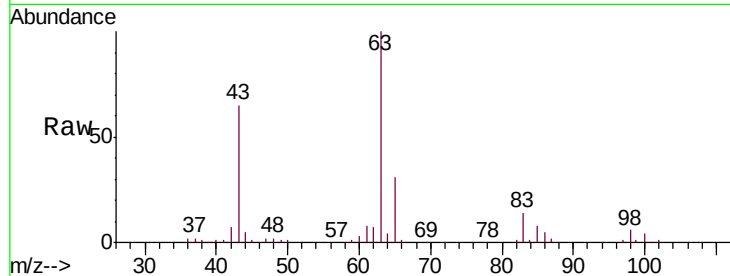




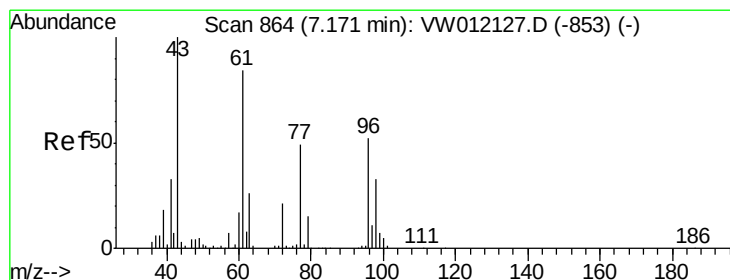
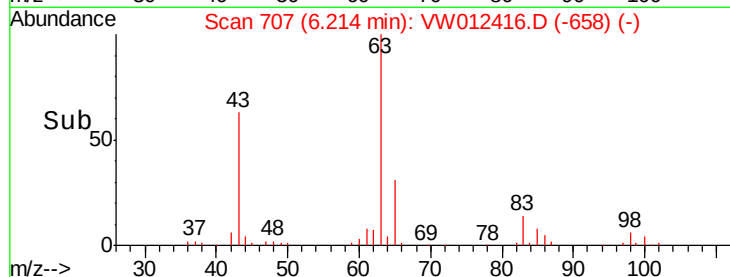
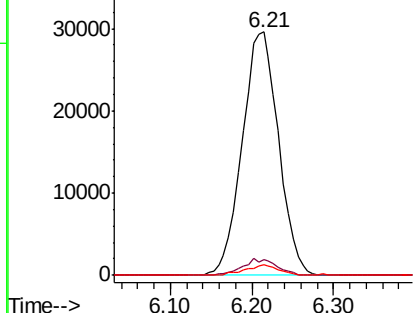
#24
 1,1-Dichloroethane
 Concen: 21.121 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW012416.D
 Acq: 31 Aug 2019 23:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS02

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.3	3.0	9.2
100	4.3	2.0	6.0

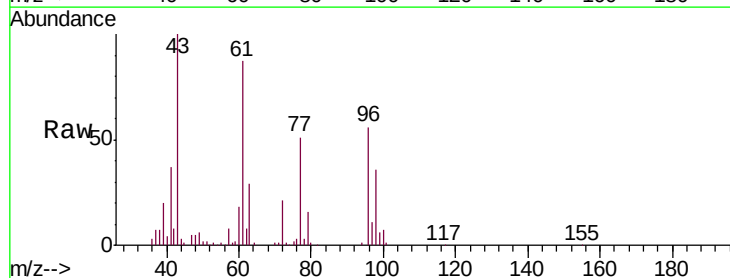


Abundance Ion 62.90 (62.60 to 63.60): VW
 Ion 97.90 (97.60 to 98.60): VW
 Ion 99.90 (99.60 to 100.60): VW

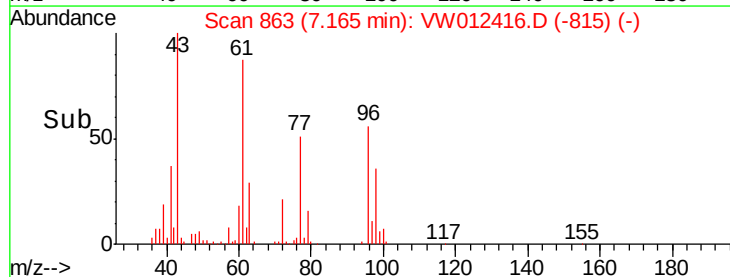
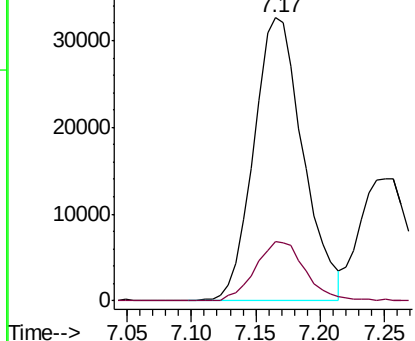


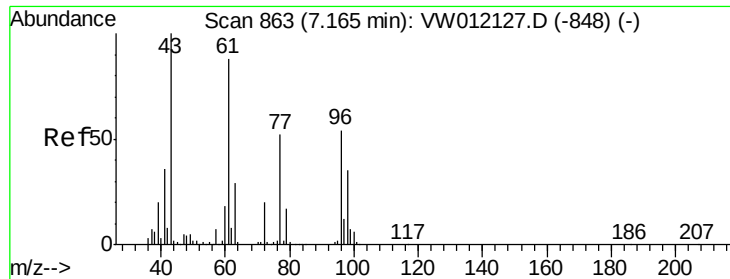
#25
 2-Butanone
 Concen: 104.697 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012416.D
 Acq: 31 Aug 2019 23:18

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.0	16.6	24.8



Abundance Ion 43.00 (42.70 to 43.70): VW
 Ion 72.00 (71.70 to 72.70): VW

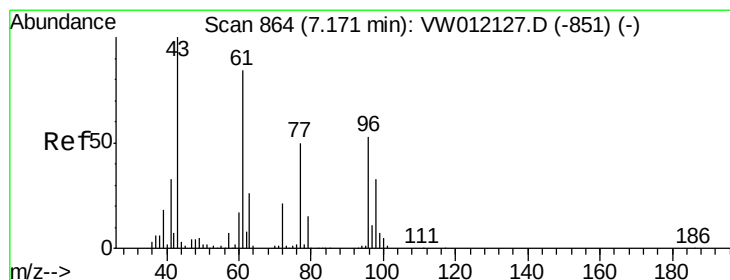
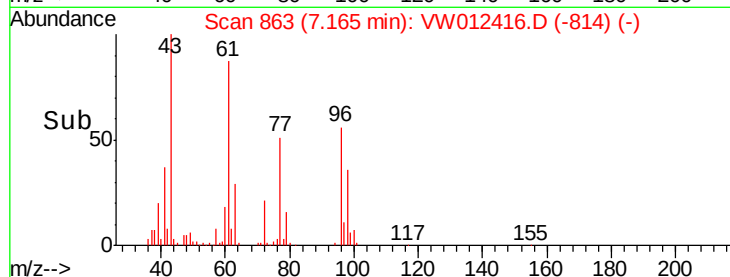
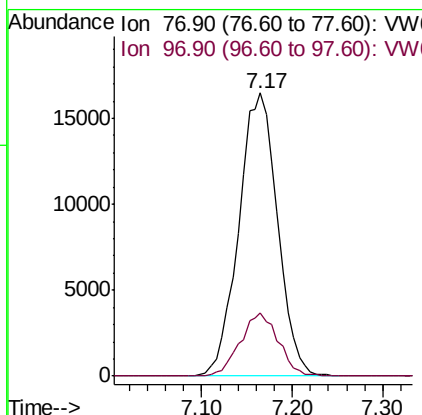
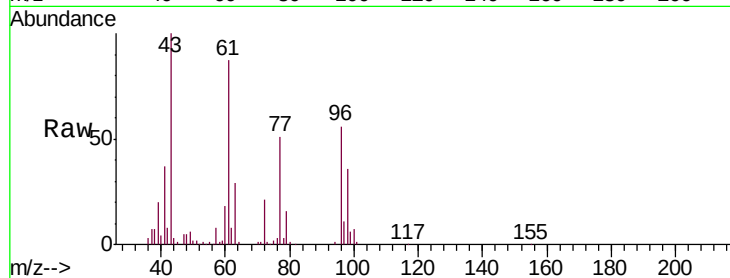




#26
 2,2-Dichloropropane
 Concen: 19.832 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW012416.D
 Acq: 31 Aug 2019 23:18

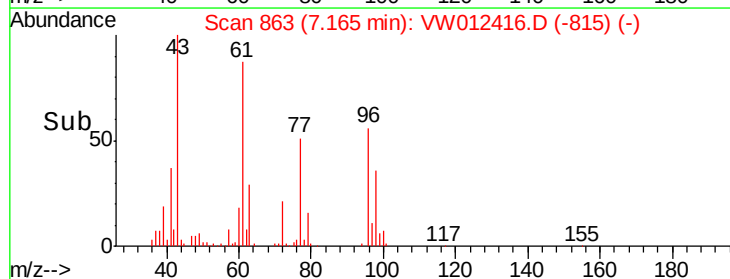
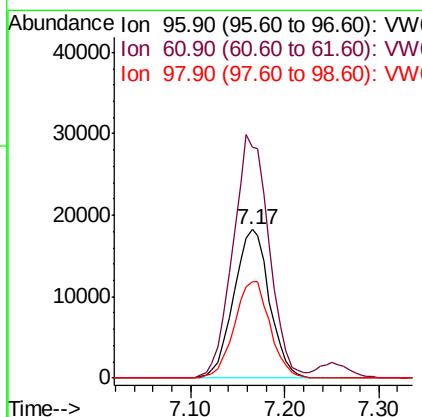
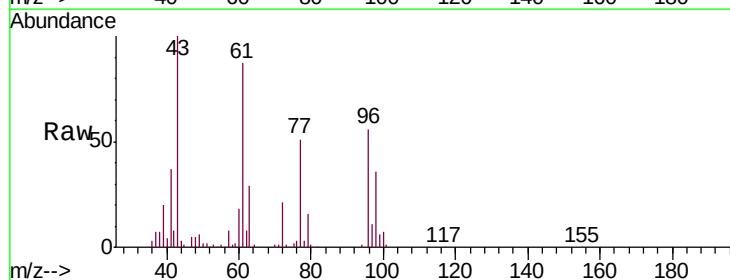
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS02

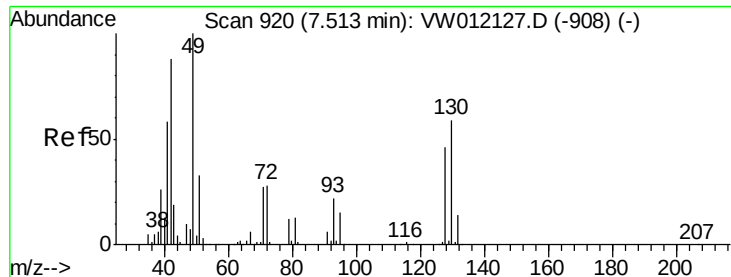
Tgt Ion: 77 Resp: 48645
 Ion Ratio Lower Upper
 77 100
 97 22.0 11.1 33.1



#27
 cis-1,2-Dichloroethene
 Concen: 20.971 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012416.D
 Acq: 31 Aug 2019 23:18

Tgt Ion: 96 Resp: 48256
 Ion Ratio Lower Upper
 96 100
 61 165.6 0.0 326.6
 98 65.1 0.0 127.4





#28

Bromochloromethane

Concen: 22.202 ug/l

RT: 7.51 min Scan# 919

Delta R.T. -0.01 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS02

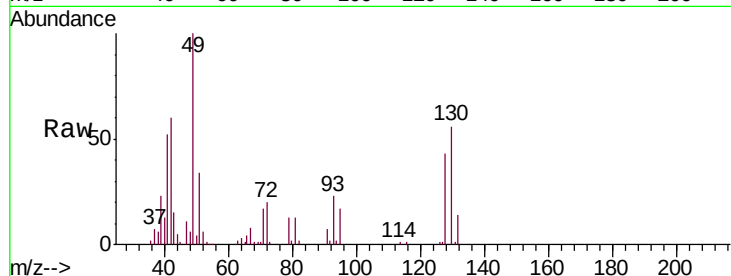
Tgt Ion: 49 Resp: 41934

Ion Ratio Lower Upper

49 100

129 0.3 0.0 1.4

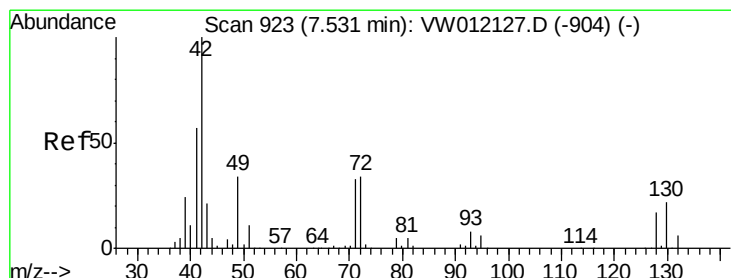
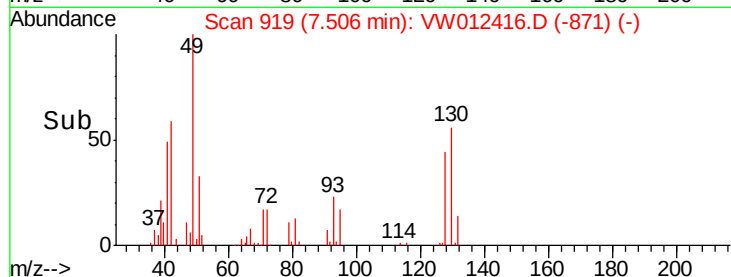
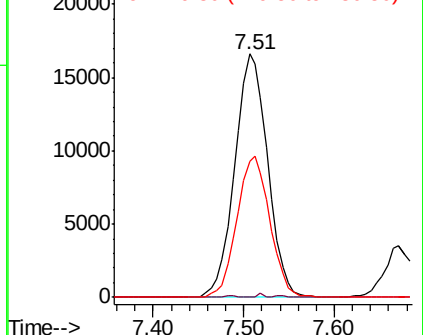
130 57.9 45.5 68.3



Abundance Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): VW

Ion 129.80 (129.50 to 130.50): VW



#29

Tetrahydrofuran

Concen: 113.795 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

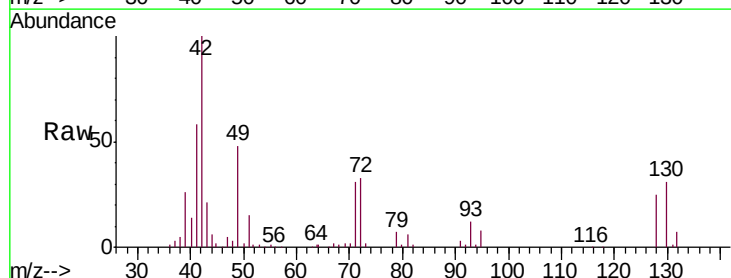
Tgt Ion: 42 Resp: 56449

Ion Ratio Lower Upper

42 100

72 34.5 27.3 40.9

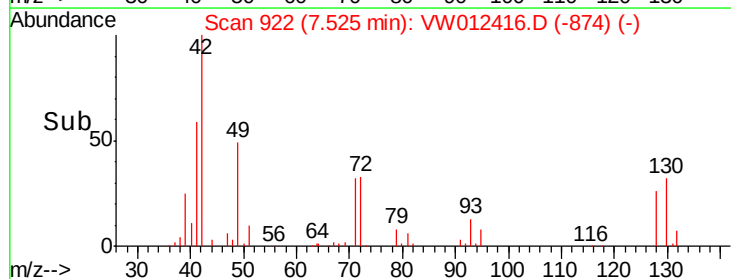
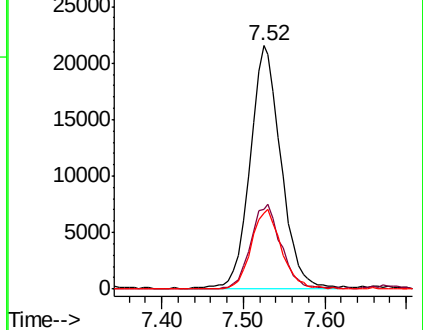
71 32.5 25.5 38.3

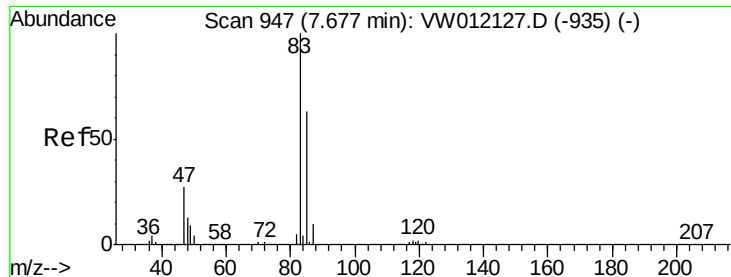


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

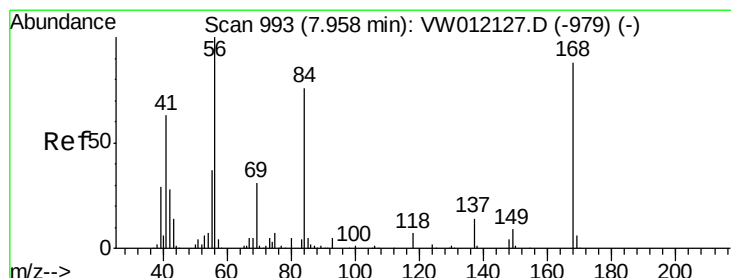
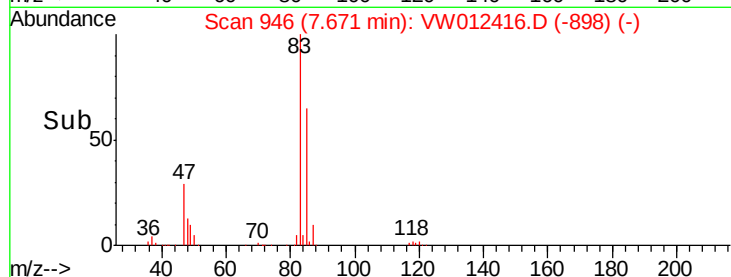
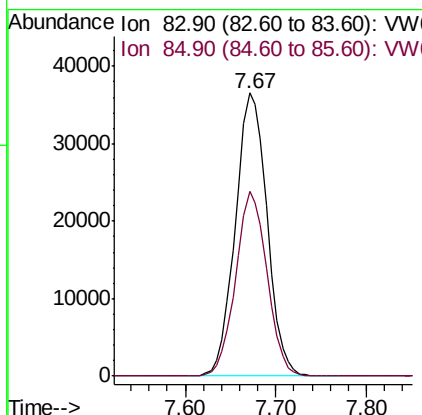
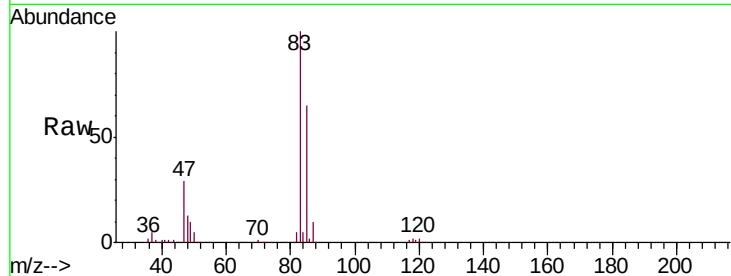




#30
Chloroform
Concen: 22.347 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012416.D
Acq: 31 Aug 2019 23:18

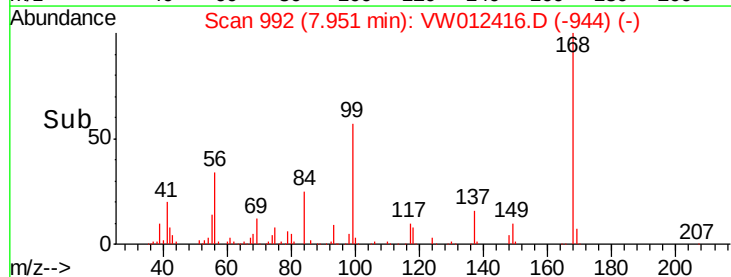
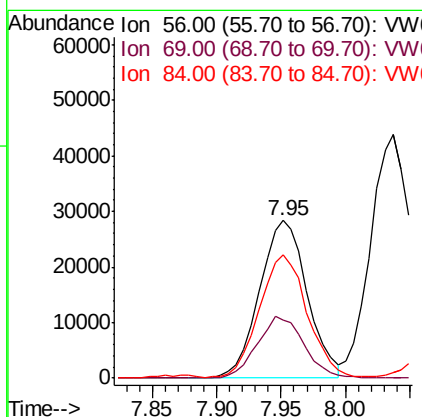
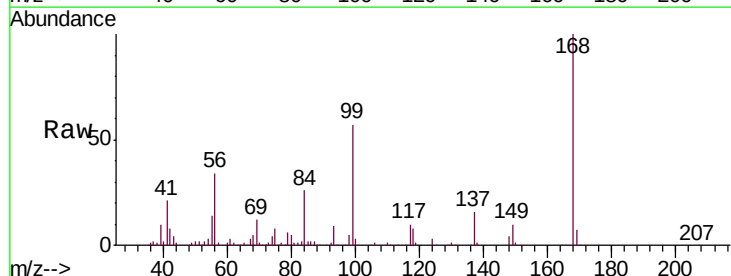
Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS02

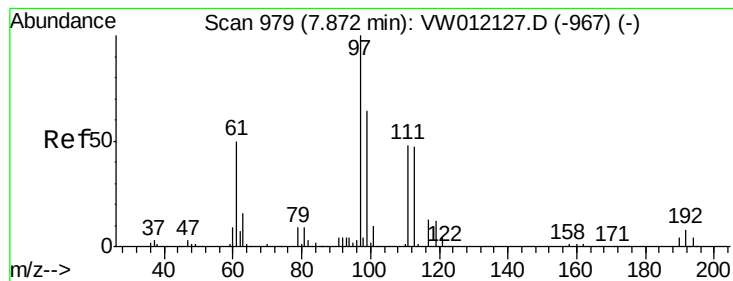
Tgt Ion: 83 Resp: 88601
Ion Ratio Lower Upper
83 100
85 65.4 50.6 76.0



#31
Cyclohexane
Concen: 17.010 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW012416.D
Acq: 31 Aug 2019 23:18

Tgt Ion: 56 Resp: 72929
Ion Ratio Lower Upper
56 100
69 36.8 24.9 37.3
84 76.3 60.6 90.8





#32

1,1,1-Trichloroethane

Concen: 21.362 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS02

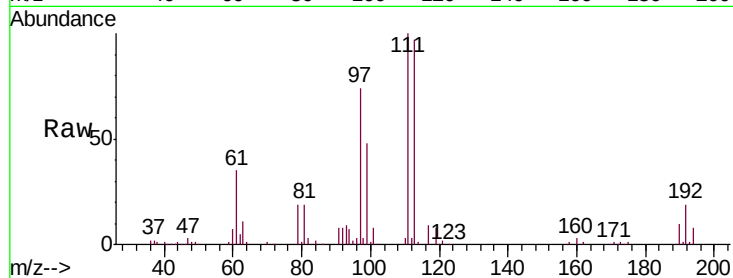
Tgt Ion: 97 Resp: 66999

Ion Ratio Lower Upper

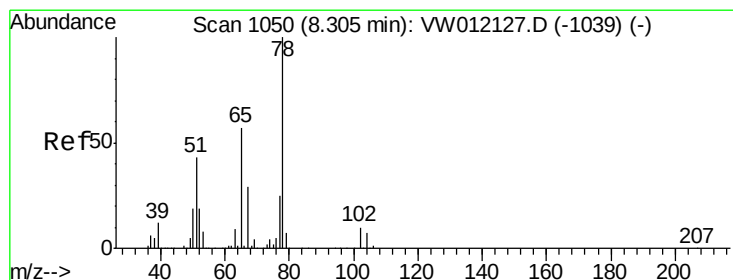
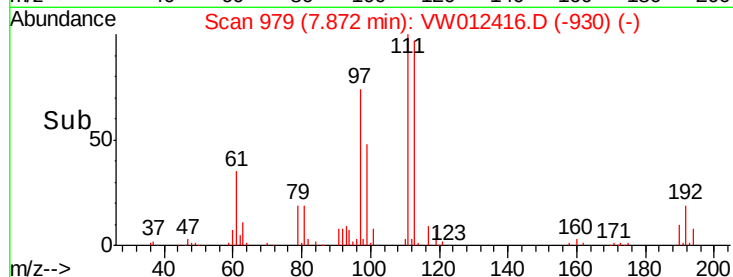
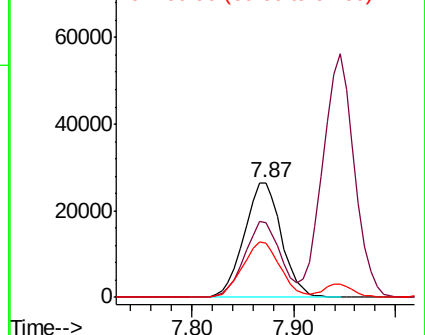
97 100

99 64.1 51.4 77.0

61 49.2 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: 53.211 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012416.D

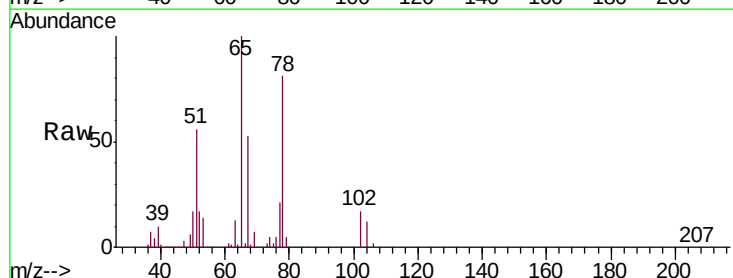
Acq: 31 Aug 2019 23:18

Tgt Ion: 65 Resp: 126659

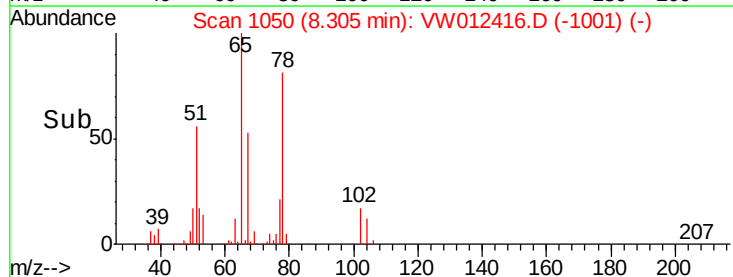
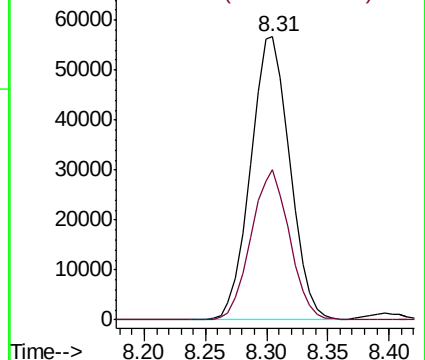
Ion Ratio Lower Upper

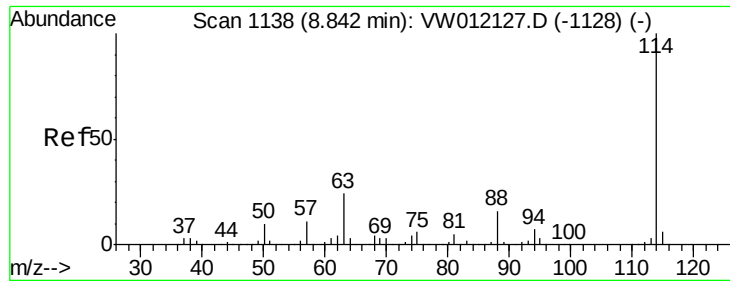
65 100

67 51.9 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

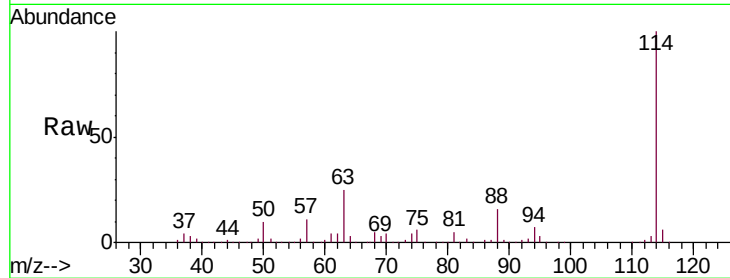




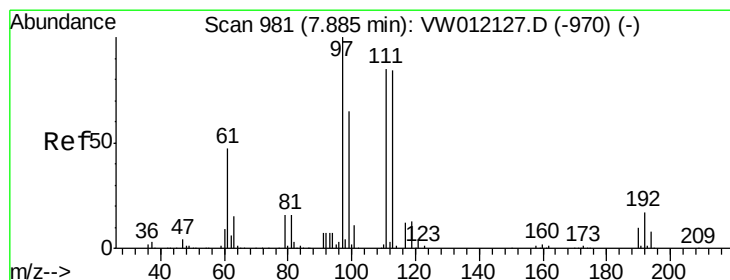
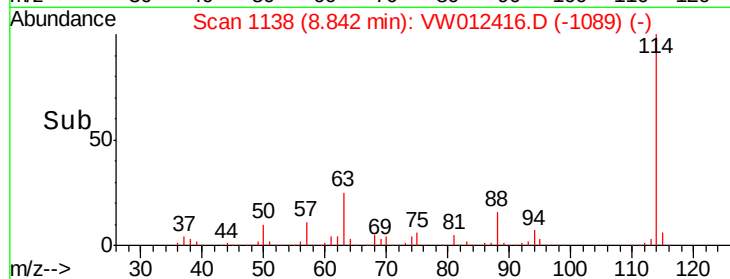
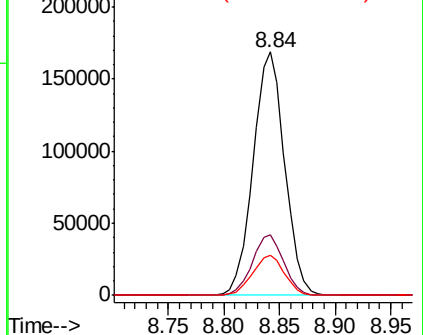
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012416.D
 Acq: 31 Aug 2019 23:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS02

Tgt Ion:114 Resp: 331953
 Ion Ratio Lower Upper
 114 100
 63 24.9 0.0 48.6
 88 16.3 0.0 32.2

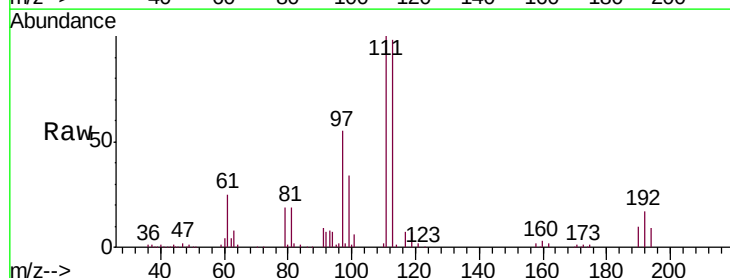


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

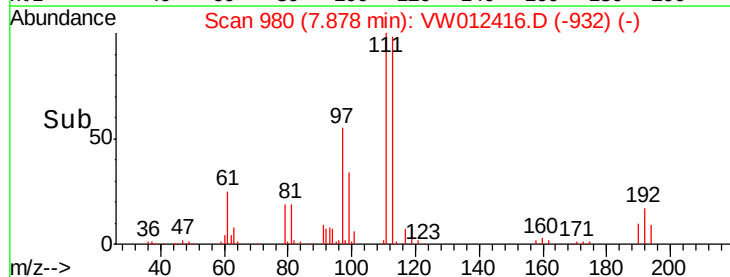
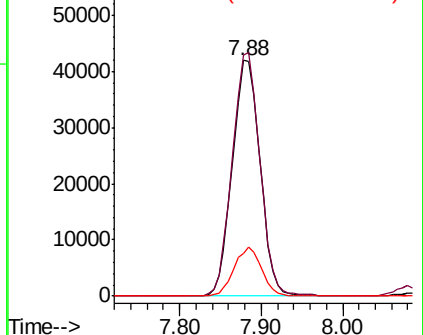


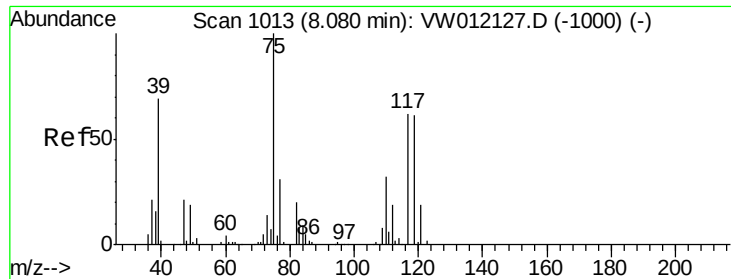
#35
 Dibromofluoromethane
 Concen: 49.826 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW012416.D
 Acq: 31 Aug 2019 23:18

Tgt Ion:113 Resp: 98728
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.7 124.1
 192 20.4 16.2 24.2



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

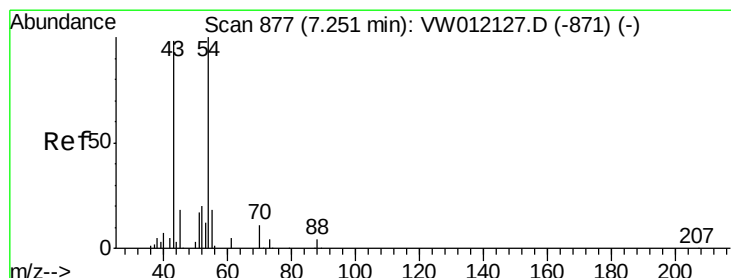
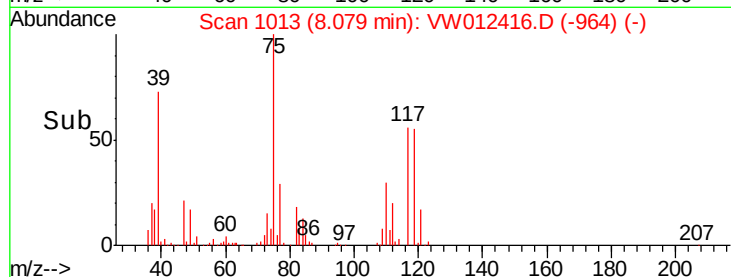
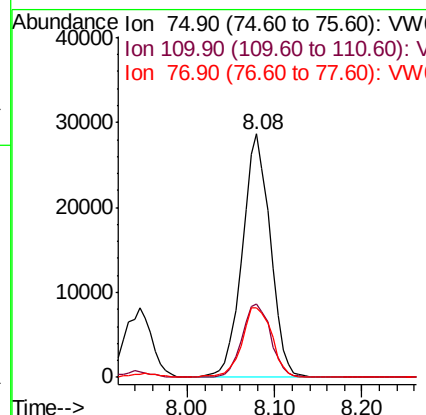
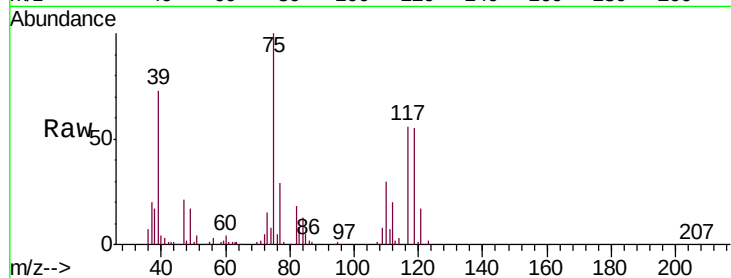




#36
 1,1-Dichloropropene
 Concen: 18.595 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012416.D
 Acq: 31 Aug 2019 23:18

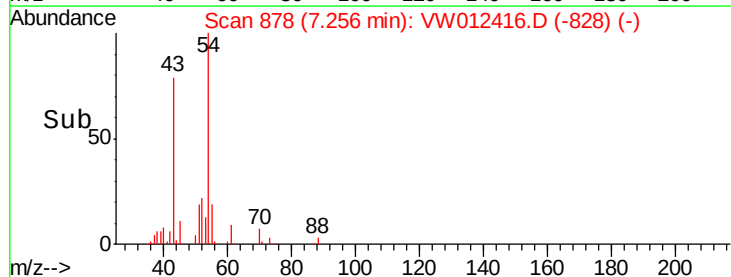
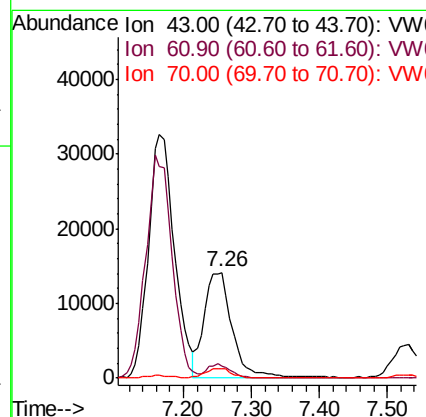
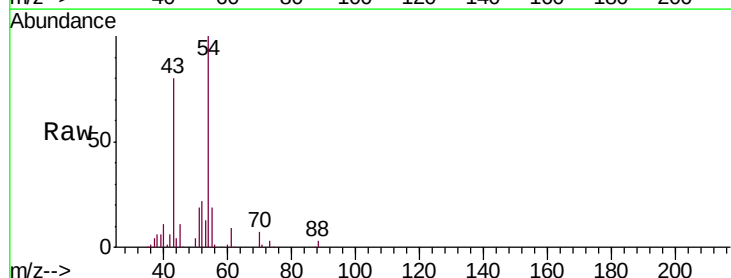
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS02

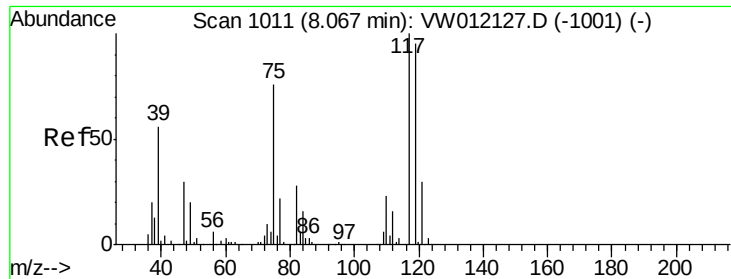
Tgt Ion: 75 Resp: 63788
 Ion Ratio Lower Upper
 75 100
 110 31.0 15.6 46.8
 77 30.7 24.6 36.8



#37
 Ethyl Acetate
 Concen: 21.546 ug/l
 RT: 7.26 min Scan# 878
 Delta R.T. 0.01 min
 Lab File: VW012416.D
 Acq: 31 Aug 2019 23:18

Tgt Ion: 43 Resp: 40502
 Ion Ratio Lower Upper
 43 100
 61 10.8 9.2 13.8
 70 8.8 6.9 10.3

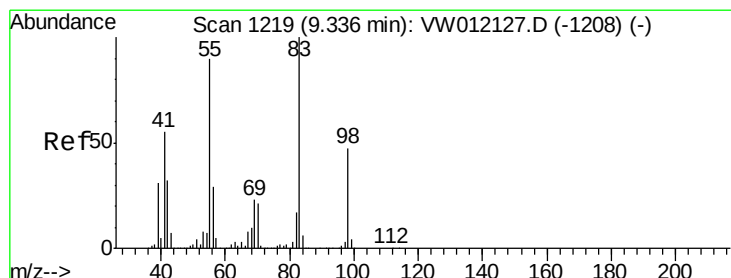
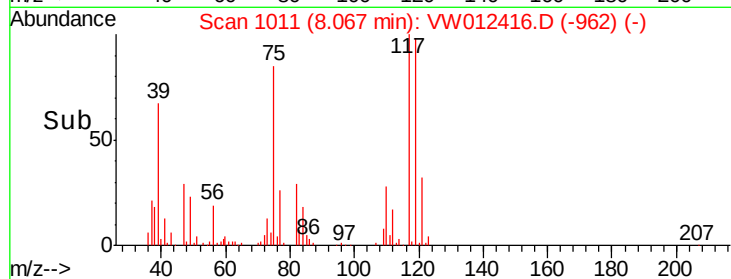
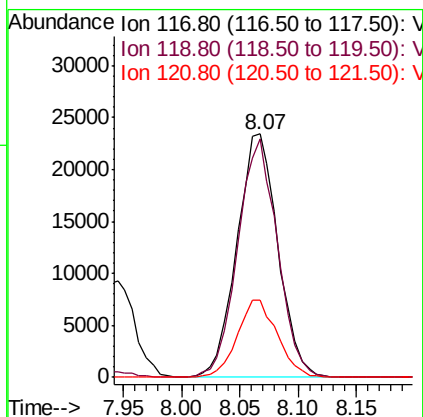
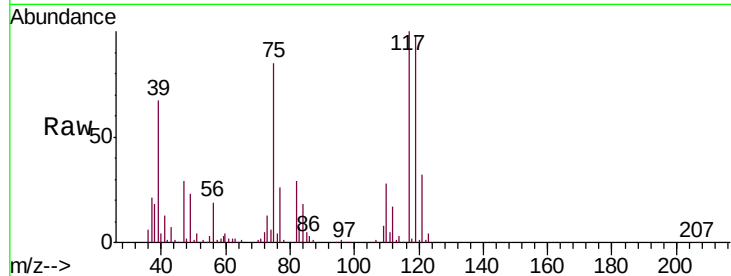




#38
Carbon Tetrachloride
Concen: 19.380 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012416.D
Acq: 31 Aug 2019 23:18

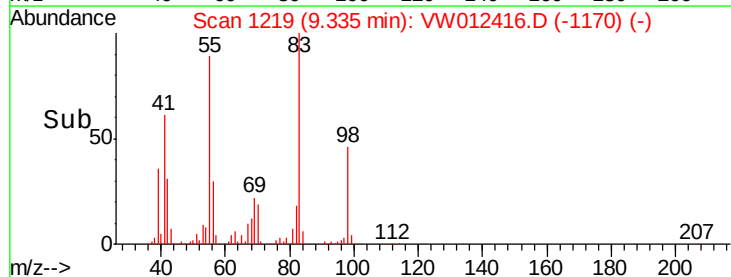
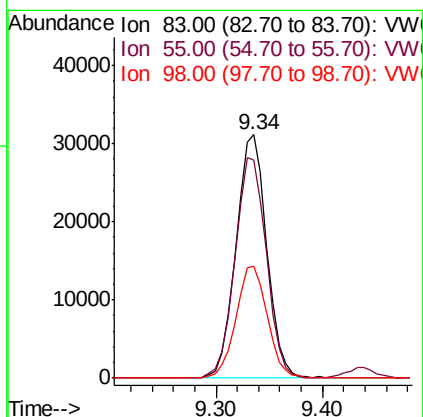
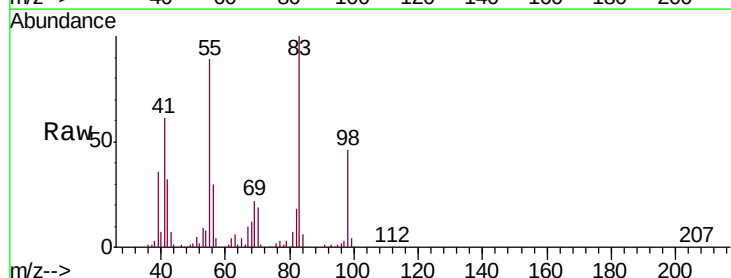
Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS02

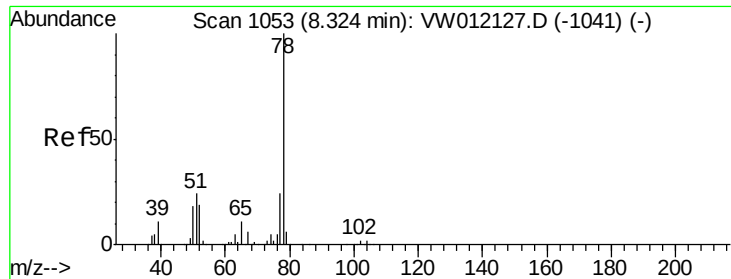
Tgt Ion:117 Resp: 57541
Ion Ratio Lower Upper
117 100
119 97.7 76.2 114.2
121 31.6 23.8 35.8



#39
Methylcyclohexane
Concen: 16.385 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012416.D
Acq: 31 Aug 2019 23:18

Tgt Ion: 83 Resp: 63145
Ion Ratio Lower Upper
83 100
55 89.4 71.8 107.8
98 45.8 37.8 56.8





#40

Benzene

Concen: 19.975 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Instrument :

MSVOA_W

ClientSampleId :

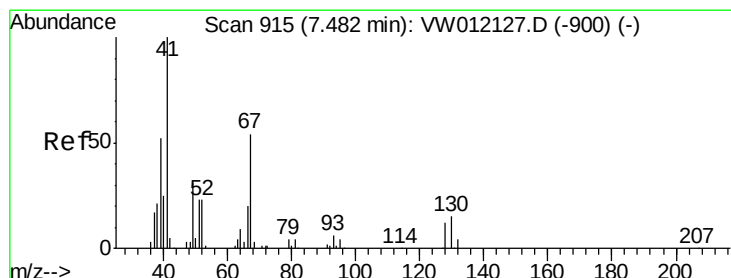
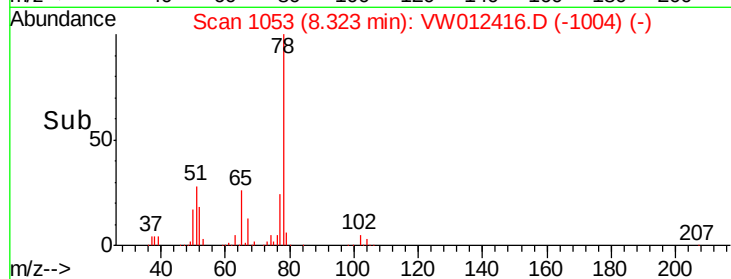
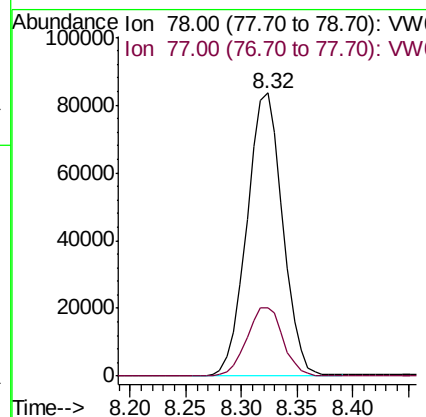
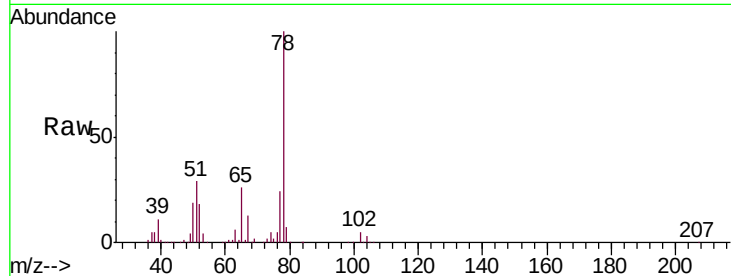
VW0831SBS02

Tgt Ion: 78 Resp: 187101

Ion Ratio Lower Upper

78 100

77 24.3 19.5 29.3



#41

Methacrylonitrile

Concen: 22.082 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Tgt Ion: 41 Resp: 24396

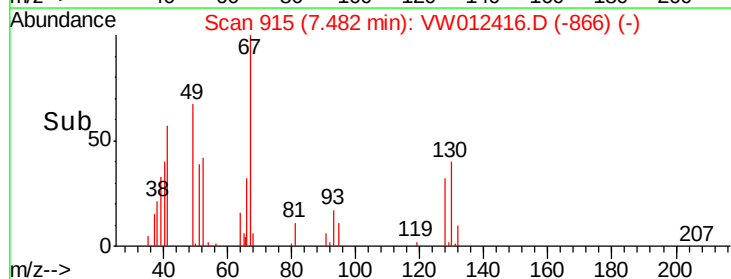
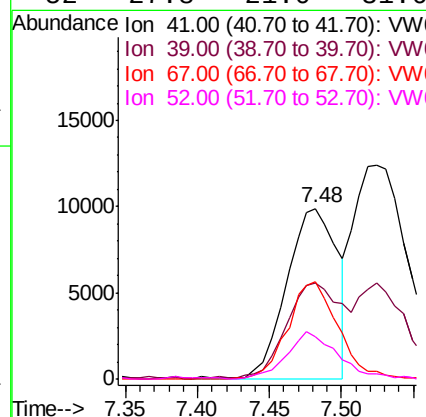
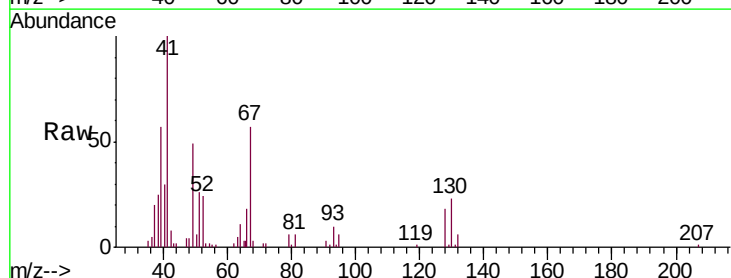
Ion Ratio Lower Upper

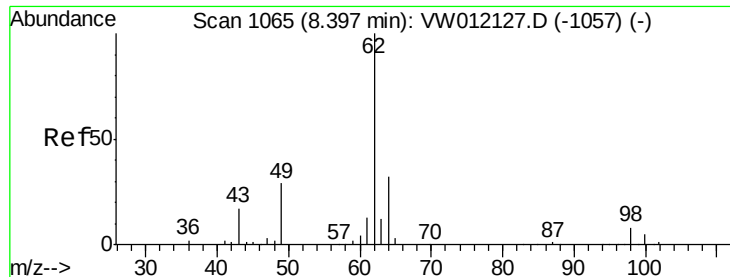
41 100

39 63.6 45.8 68.8

67 57.4 46.2 69.4

52 27.8 21.0 31.6





#42

1,2-Dichloroethane

Concen: 22.256 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Instrument :

MSVOA_W

ClientSampleId :

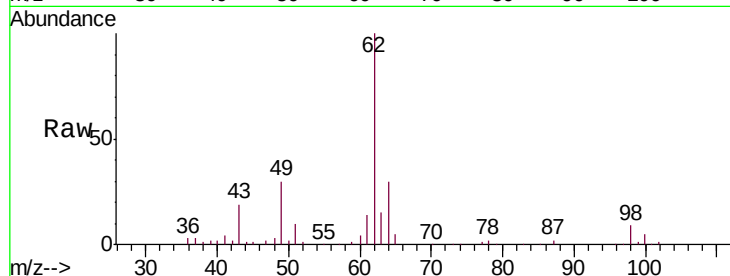
VW0831SBS02

Tgt Ion: 62 Resp: 65336

Ion Ratio Lower Upper

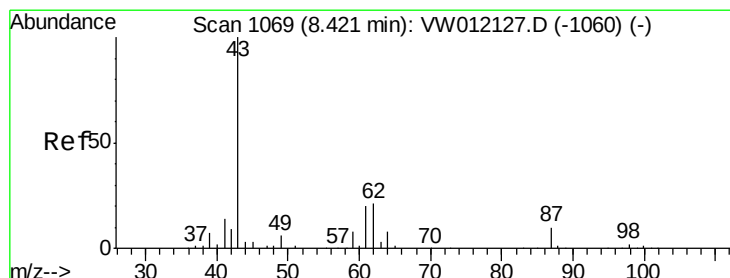
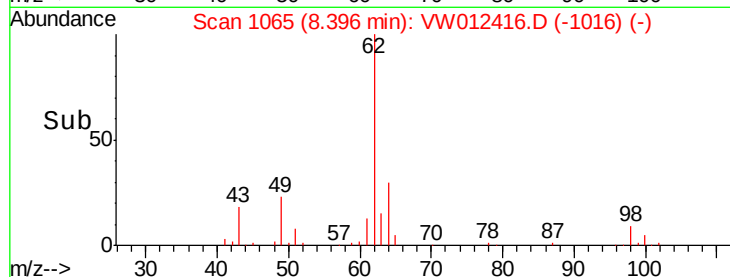
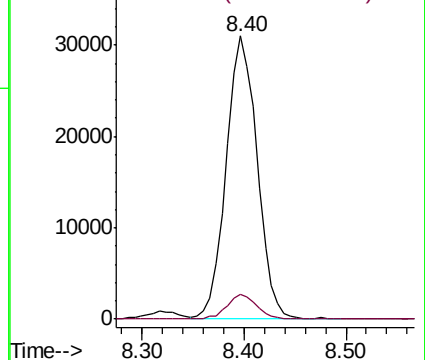
62 100

98 8.4 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW



#43

Isopropyl Acetate

Concen: 21.390 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

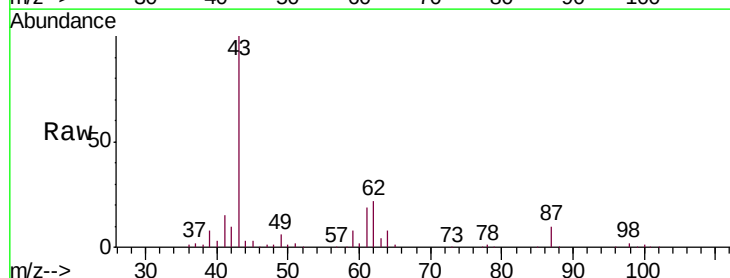
Tgt Ion: 43 Resp: 74480

Ion Ratio Lower Upper

43 100

61 27.0 21.1 31.7

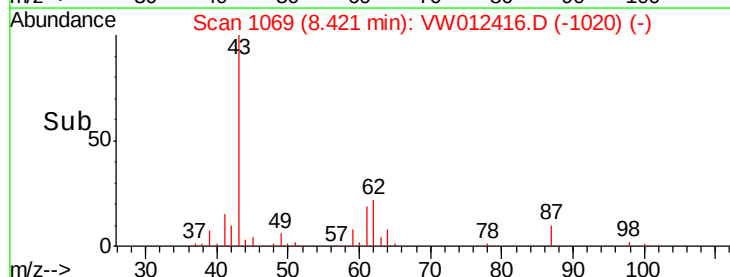
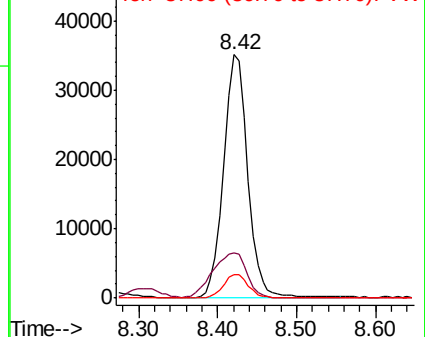
87 9.9 8.2 12.2

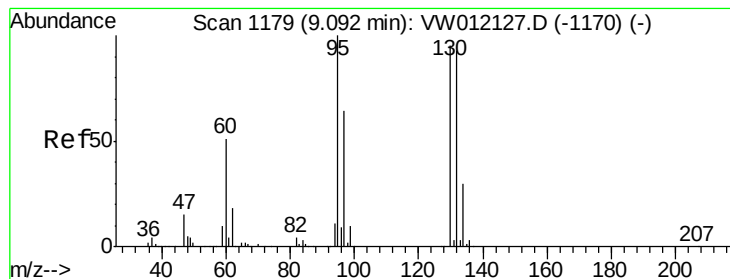


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW





#44

Trichloroethene

Concen: 19.386 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Instrument :

MSVOA_W

ClientSampleId :

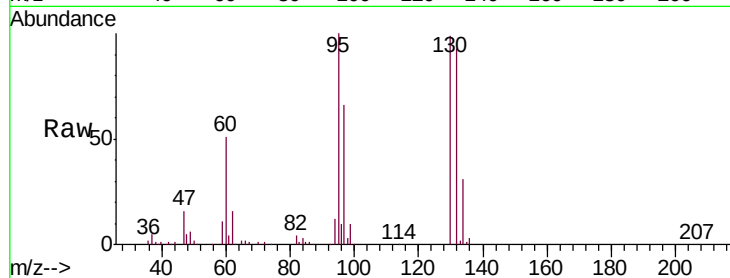
VW0831SBS02

Tgt Ion:130 Resp: 44142

Ion Ratio Lower Upper

130 100

95 100.8 0.0 210.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

9.09

25000

20000

15000

10000

5000

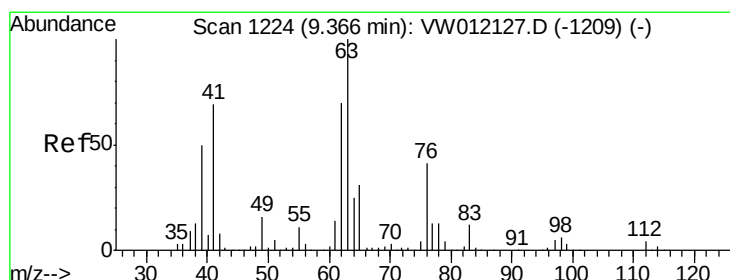
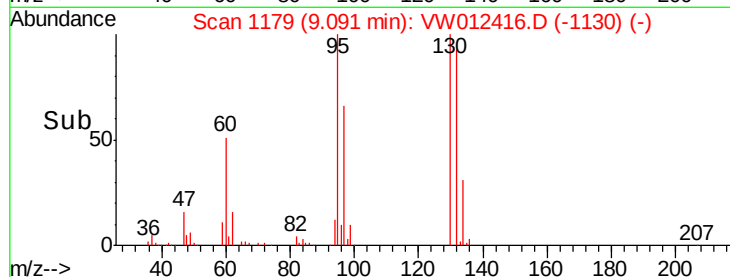
0

9.00

9.10

9.20

Time-->



#45

1,2-Dichloropropane

Concen: 20.860 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012416.D

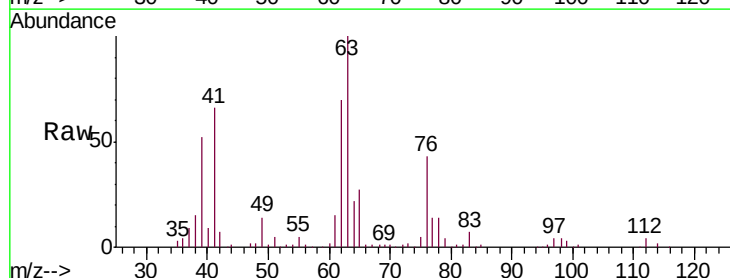
Acq: 31 Aug 2019 23:18

Tgt Ion: 63 Resp: 52585

Ion Ratio Lower Upper

63 100

65 26.9 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW

9.37

30000

25000

20000

15000

10000

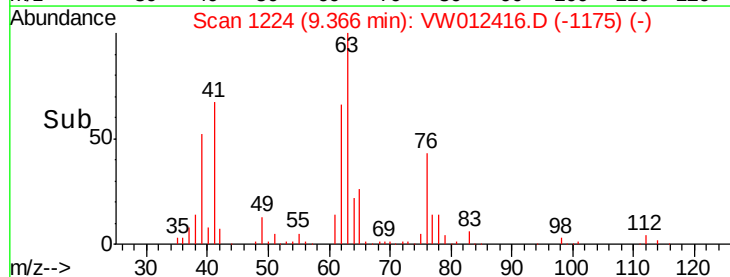
5000

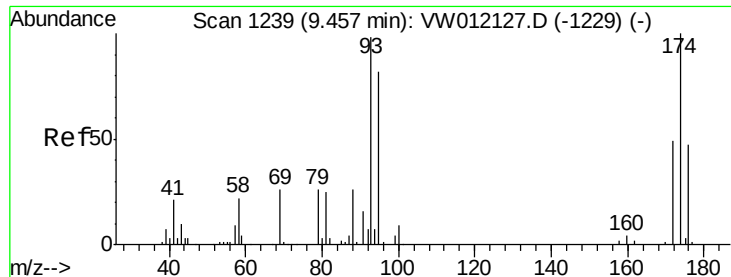
0

9.30

9.40

Time-->





#46

Dibromomethane

Concen: 21.684 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS02

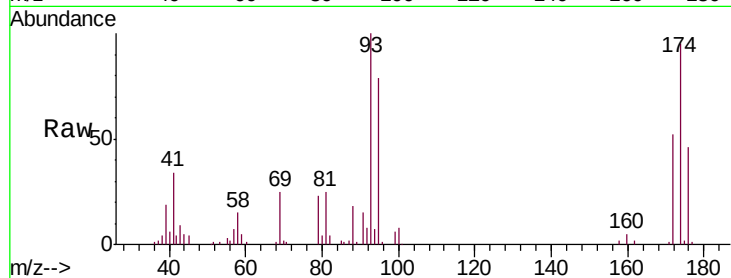
Tgt Ion: 93 Resp: 24321

Ion Ratio Lower Upper

93 100

95 81.1 67.2 100.8

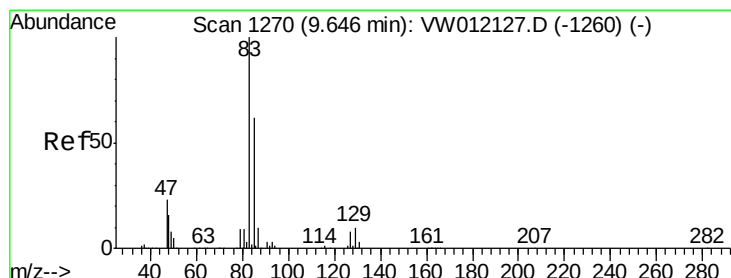
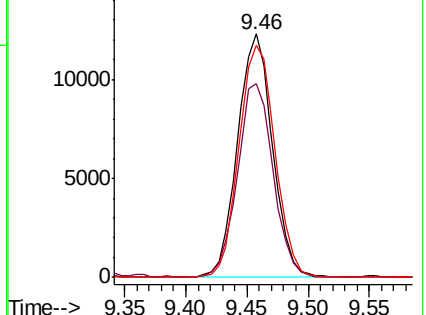
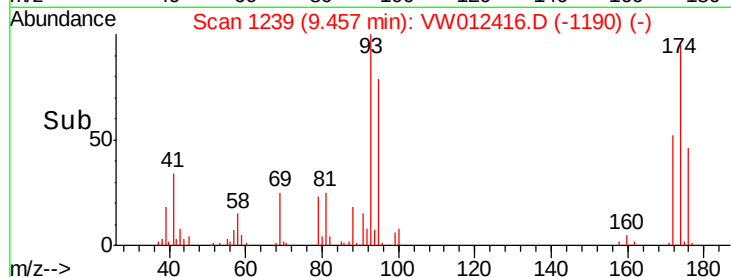
174 98.3 79.0 118.6



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: 21.102 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

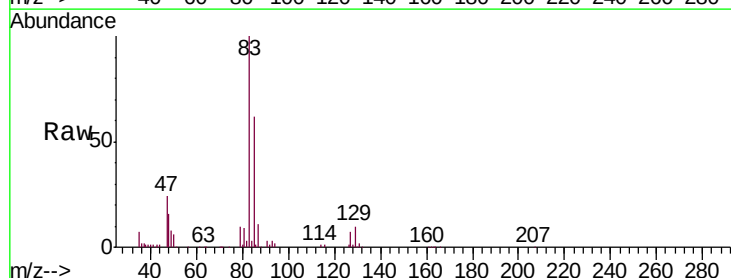
Tgt Ion: 83 Resp: 62993

Ion Ratio Lower Upper

83 100

85 62.1 49.4 74.2

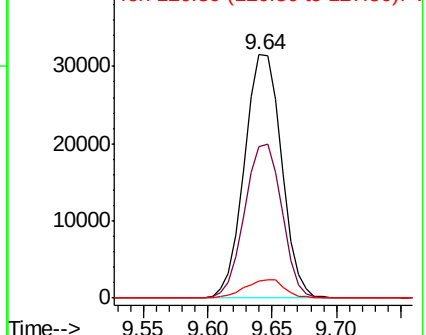
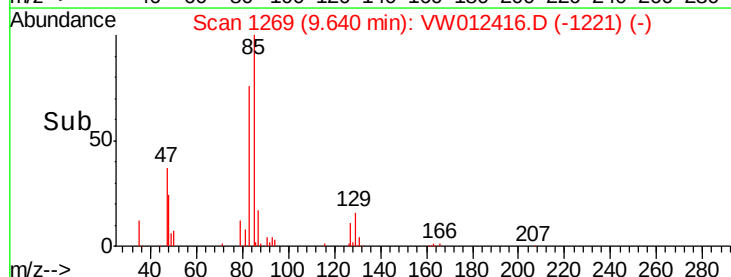
127 6.9 6.1 9.1

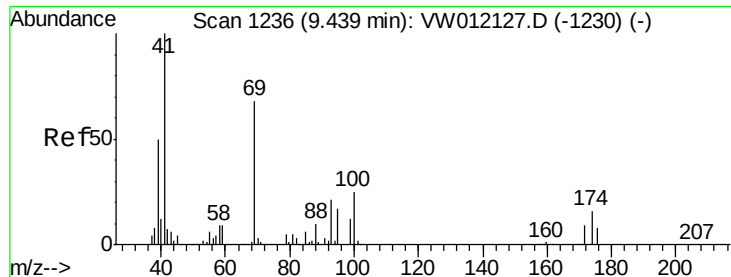


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V

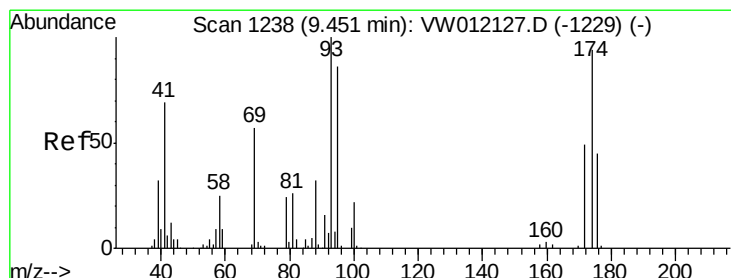
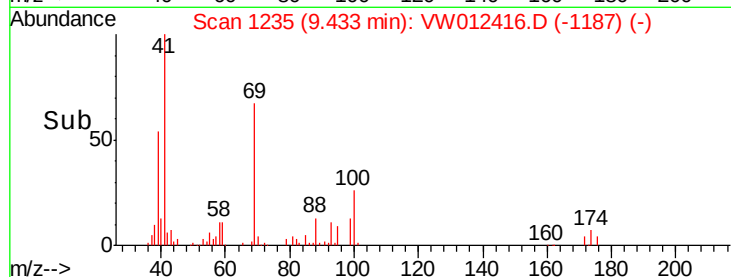
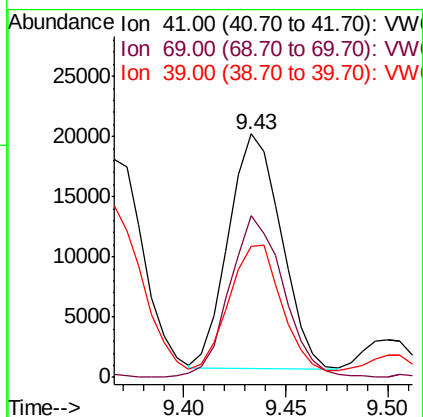
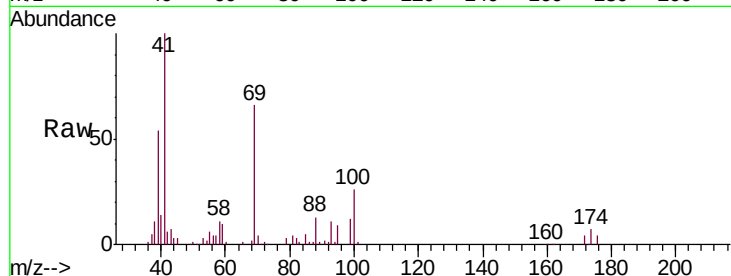




#48
Methyl methacrylate
Concen: 21.120 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW012416.D
Acq: 31 Aug 2019 23:18

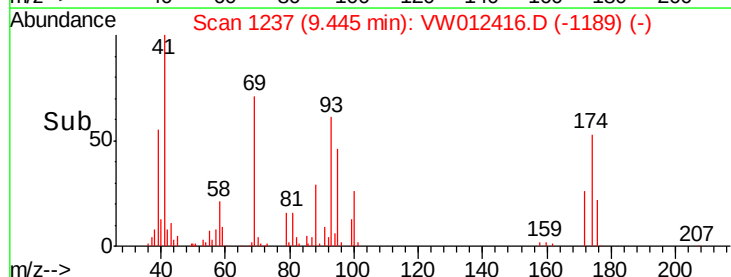
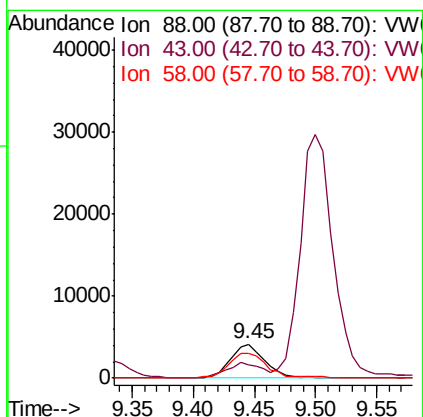
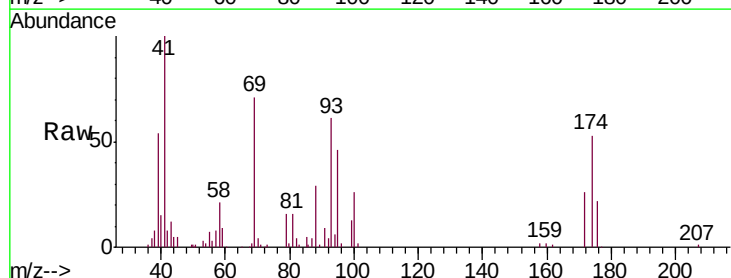
Instrument :
MSVOA_W
ClientSampled :
VW0831SBS02

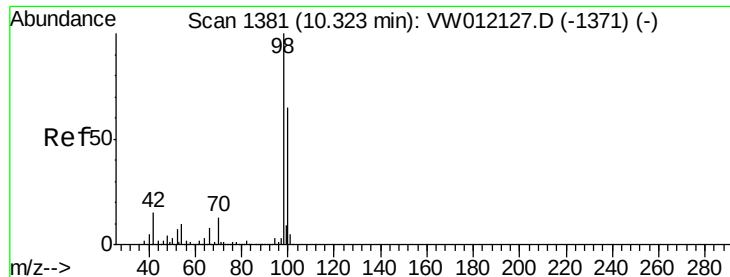
Tgt Ion: 41 Resp: 35001
Ion Ratio Lower Upper
41 100
69 70.8 56.7 85.1
39 58.6 42.0 63.0



#49
1,4-Dioxane
Concen: 468.006 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW012416.D
Acq: 31 Aug 2019 23:18

Tgt Ion: 88 Resp: 8036
Ion Ratio Lower Upper
88 100
43 44.0 32.9 49.3
58 80.4 71.0 106.4





#50

Toluene-d8

Concen: 47.834 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Instrument :

MSVOA_W

ClientSampleId :

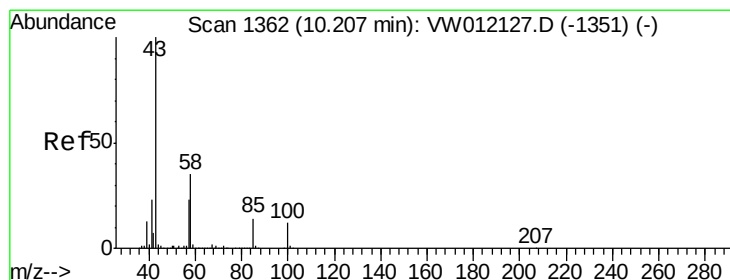
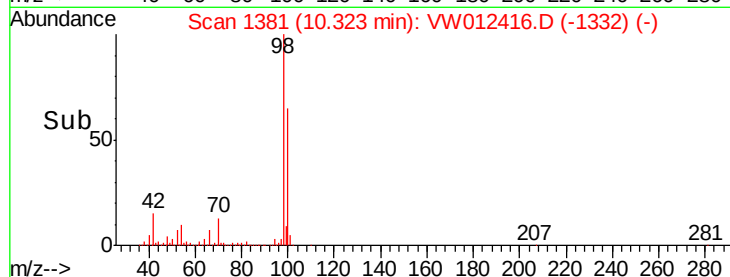
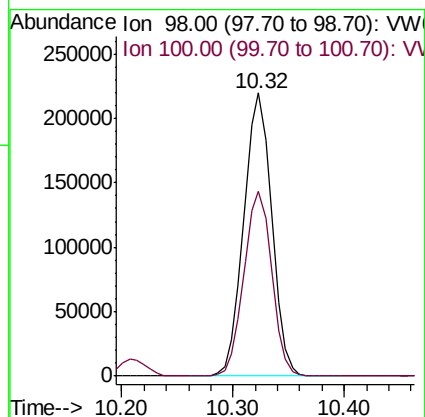
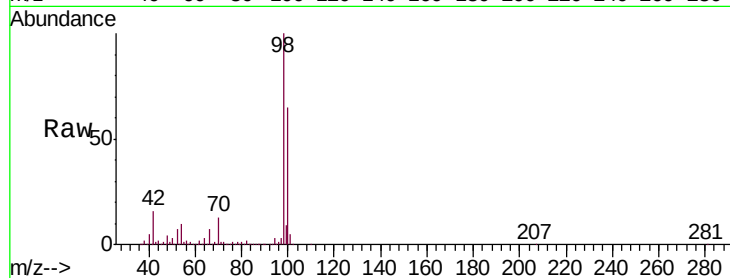
VW0831SBS02

Tgt Ion: 98 Resp: 384308

Ion Ratio Lower Upper

98 100

100 65.1 52.4 78.6



#51

4-Methyl-2-Pentanone

Concen: 111.325 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012416.D

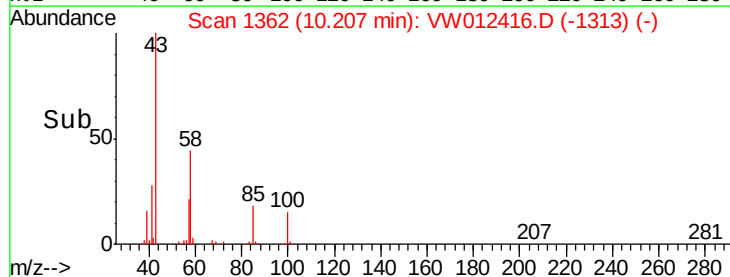
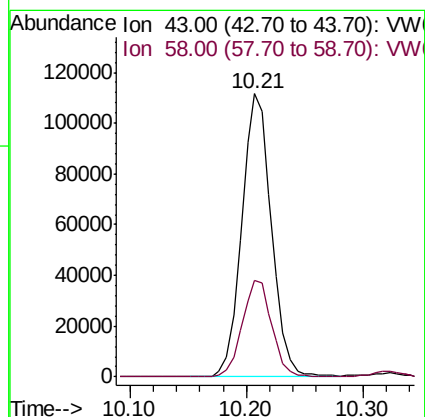
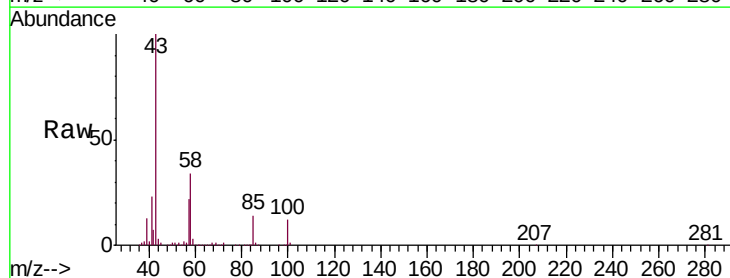
Acq: 31 Aug 2019 23:18

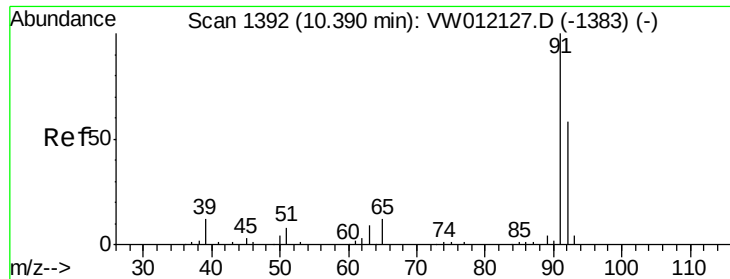
Tgt Ion: 43 Resp: 197160

Ion Ratio Lower Upper

43 100

58 34.2 28.2 42.2





#52

Toluene

Concen: 20.271 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Instrument :

MSVOA_W

ClientSampleId :

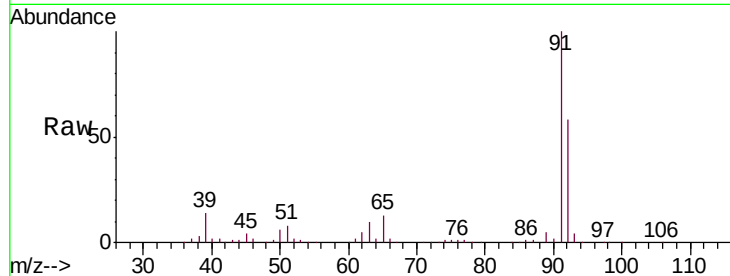
VW0831SBS02

Tgt Ion: 92 Resp: 114064

Ion Ratio Lower Upper

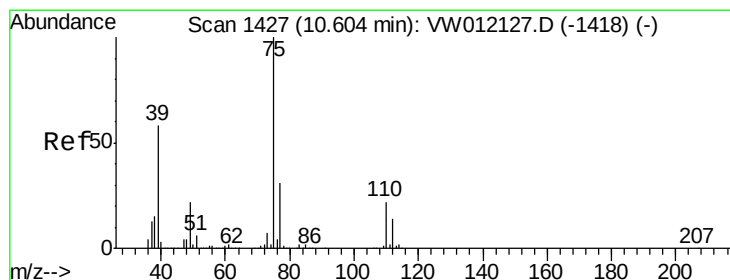
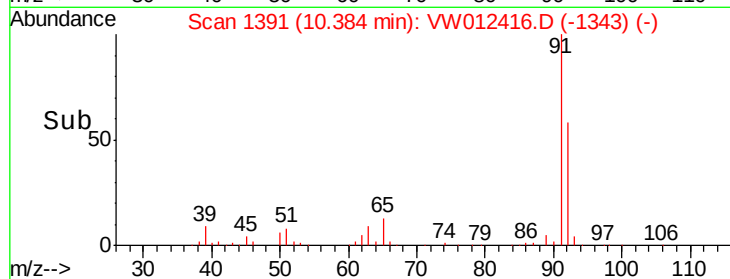
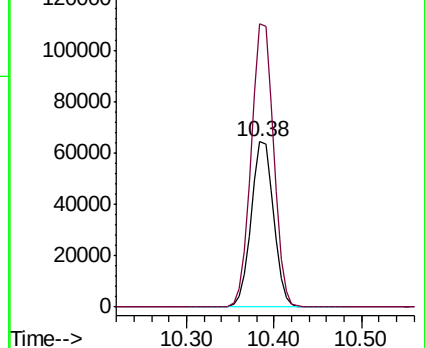
92 100

91 171.3 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



#53

t-1,3-Dichloropropene

Concen: 20.591 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012416.D

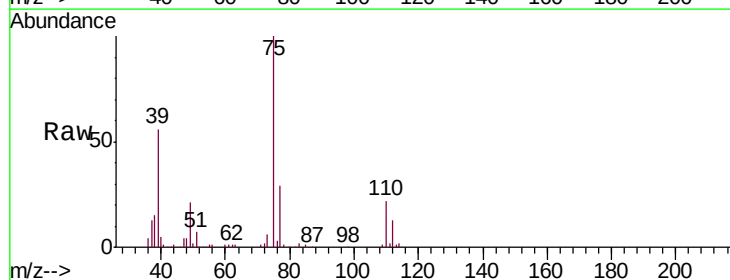
Acq: 31 Aug 2019 23:18

Tgt Ion: 75 Resp: 62612

Ion Ratio Lower Upper

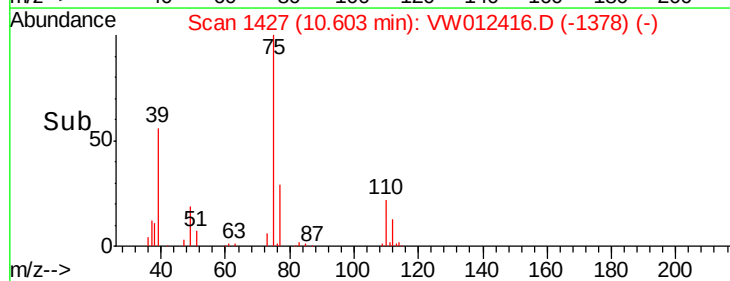
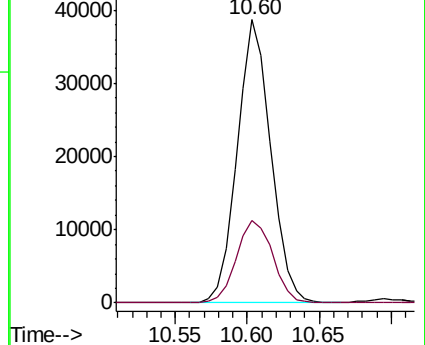
75 100

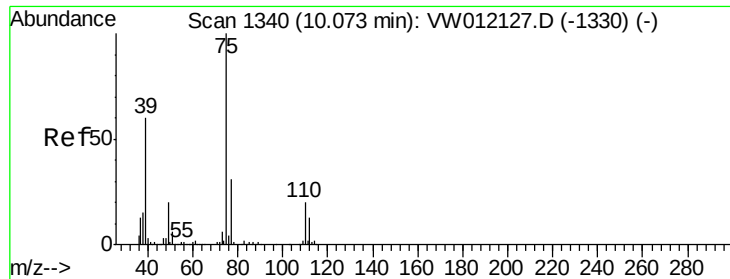
77 29.2 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW





#54

cis-1,3-Dichloropropene

Concen: 19.842 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS02

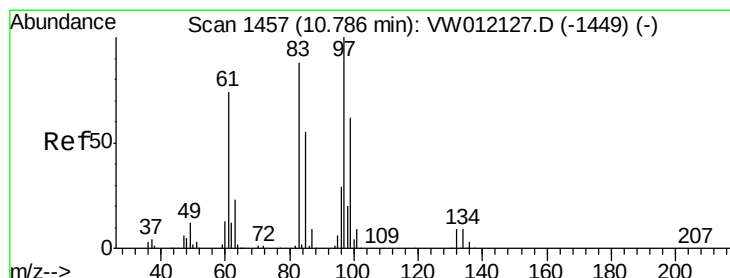
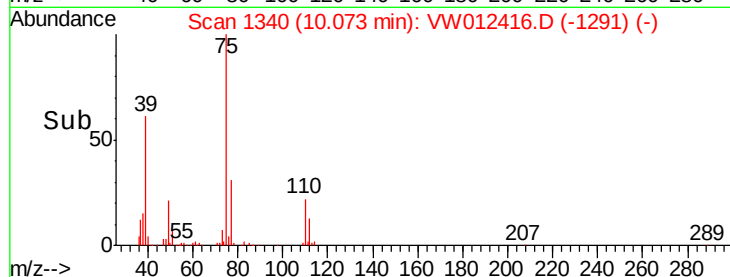
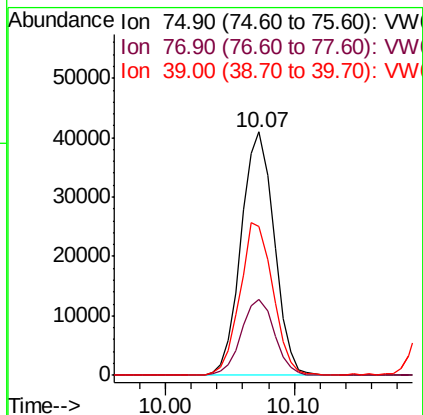
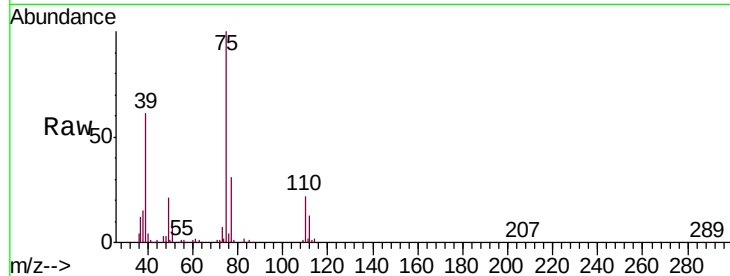
Tgt Ion: 75 Resp: 72848

Ion Ratio Lower Upper

75 100

77 31.3 25.1 37.7

39 61.2 48.3 72.5



#55

1,1,2-Trichloroethane

Concen: 21.824 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Tgt Ion: 97 Resp: 34633

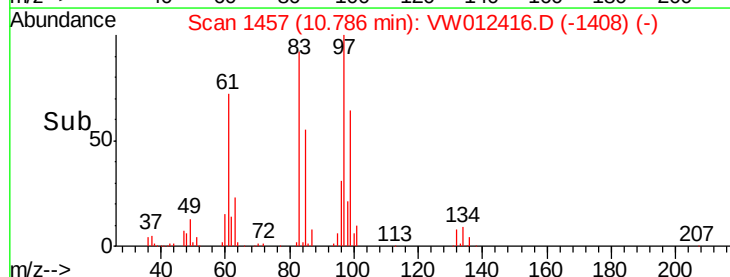
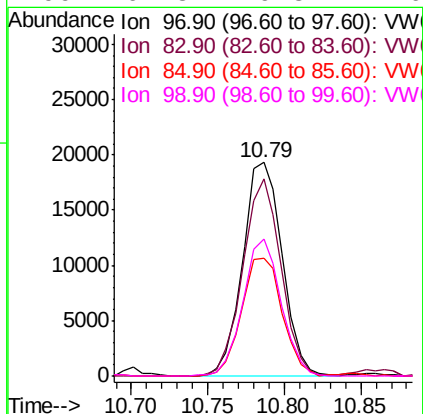
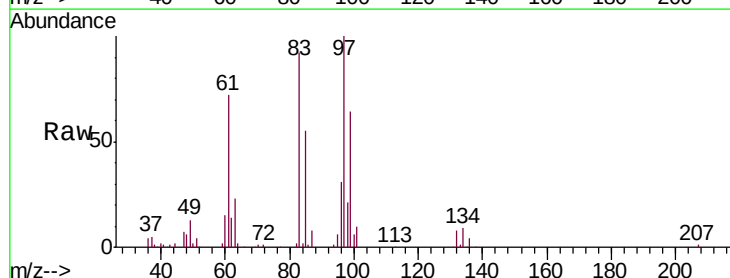
Ion Ratio Lower Upper

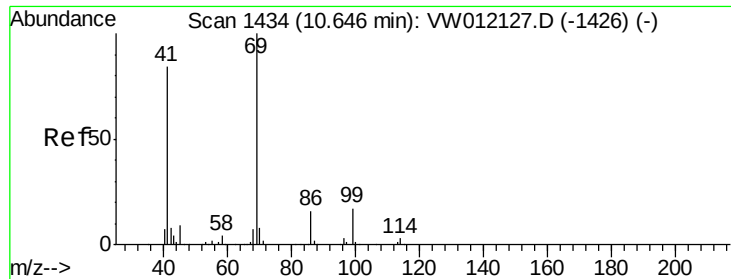
97 100

83 92.2 70.8 106.2

85 55.1 43.8 65.8

99 64.3 49.8 74.6

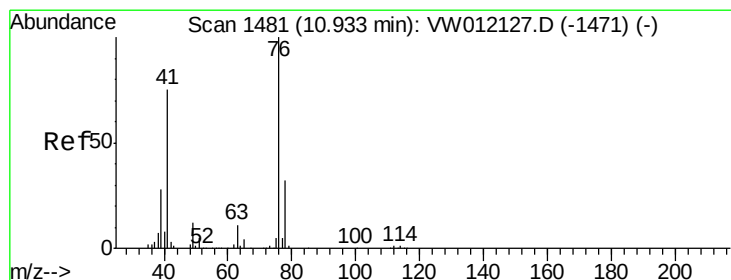
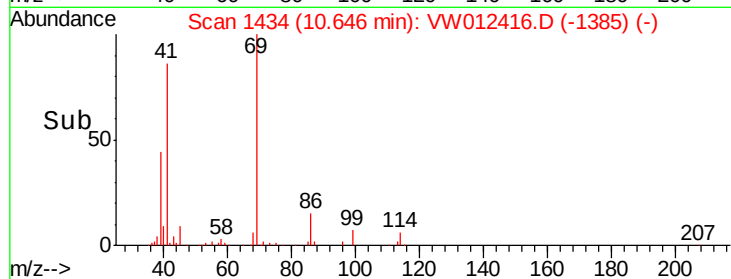
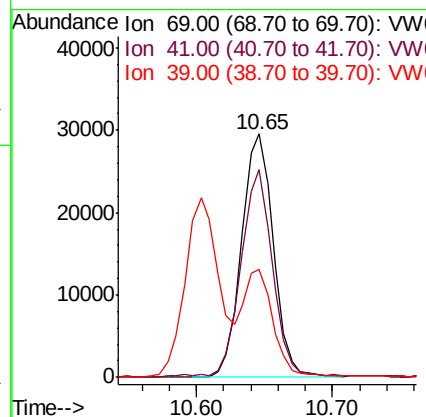
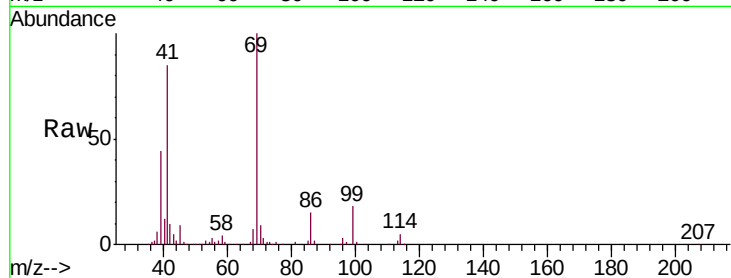




#56
Ethyl methacrylate
Concen: 20.927 ug/l
RT: 10.65 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW012416.D
Acq: 31 Aug 2019 23:18

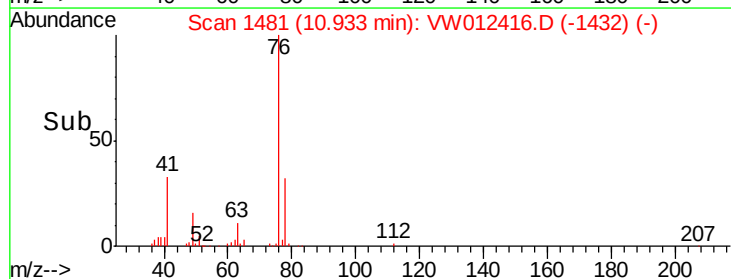
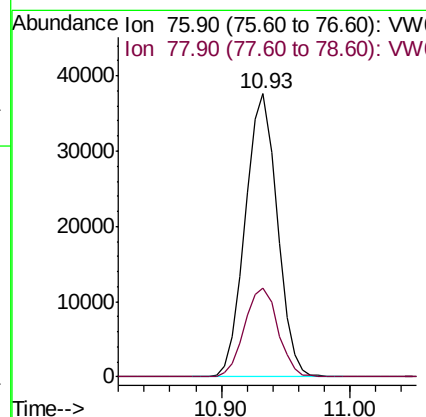
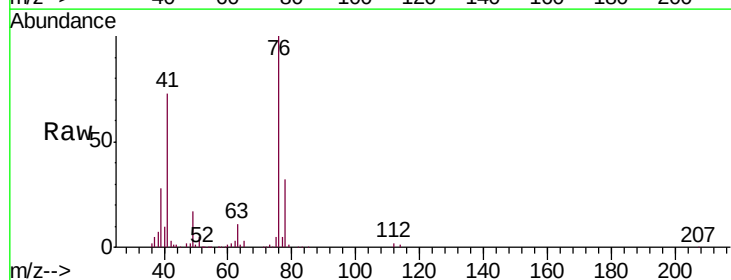
Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS02

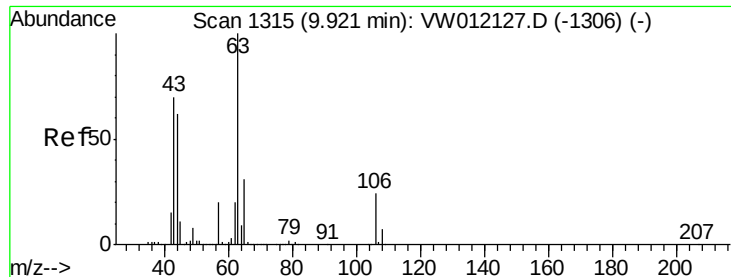
Tgt Ion: 69 Resp: 48335
Ion Ratio Lower Upper
69 100
41 83.3 66.5 99.7
39 40.6 31.0 46.4



#57
1,3-Dichloropropane
Concen: 21.560 ug/l
RT: 10.93 min Scan# 1481
Delta R.T. -0.00 min
Lab File: VW012416.D
Acq: 31 Aug 2019 23:18

Tgt Ion: 76 Resp: 64655
Ion Ratio Lower Upper
76 100
78 32.9 25.8 38.8

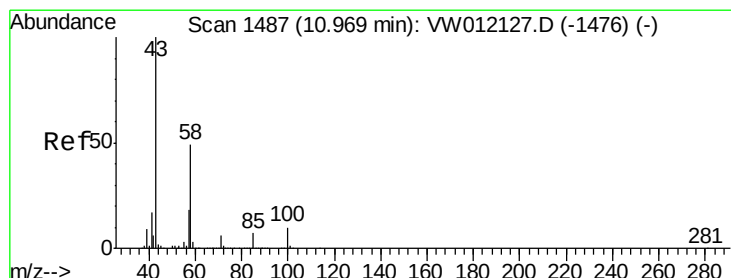
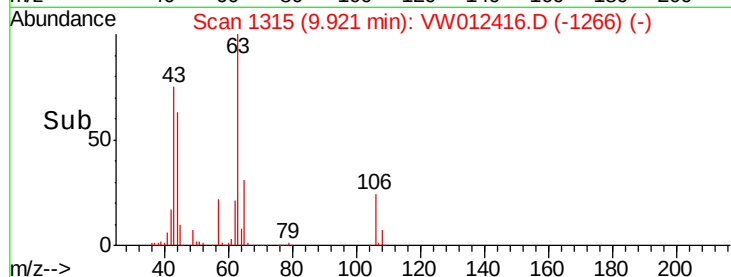
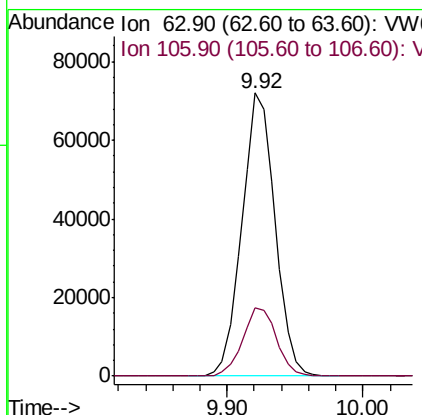
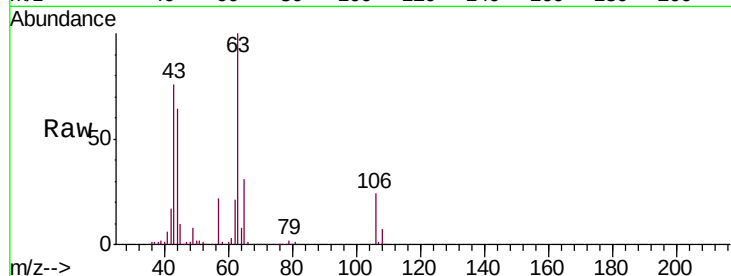




#58
 2-Chloroethyl Vinyl ether
 Concen: 103.249 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012416.D
 Acq: 31 Aug 2019 23:18

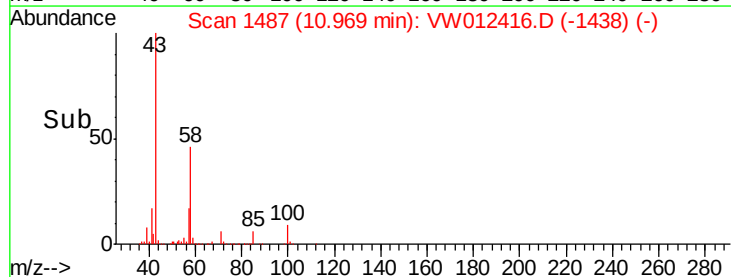
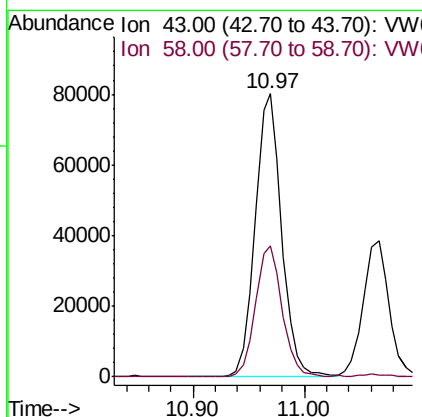
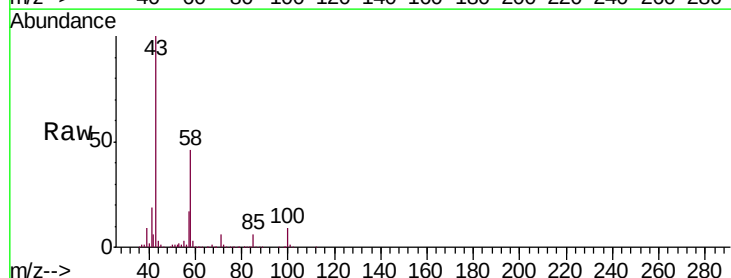
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS02

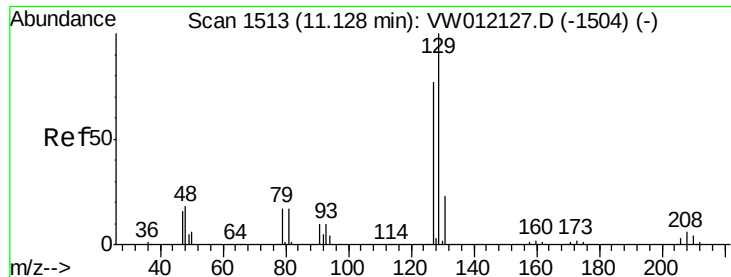
Tgt Ion: 63 Resp: 122388
 Ion Ratio Lower Upper
 63 100
 106 25.0 19.8 29.8



#59
 2-Hexanone
 Concen: 105.641 ug/l
 RT: 10.97 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VW012416.D
 Acq: 31 Aug 2019 23:18

Tgt Ion: 43 Resp: 132380
 Ion Ratio Lower Upper
 43 100
 58 46.9 24.3 72.9





#60

Dibromochloromethane

Concen: 21.831 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Instrument :

MSVOA_W

ClientSampleId :

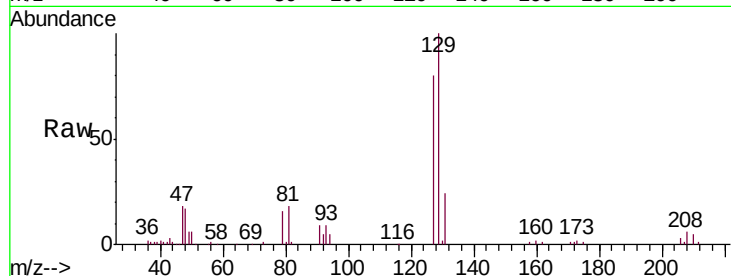
VW0831SBS02

Tgt Ion:129 Resp: 38588

Ion Ratio Lower Upper

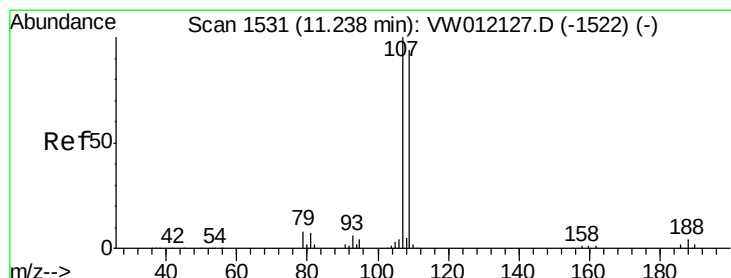
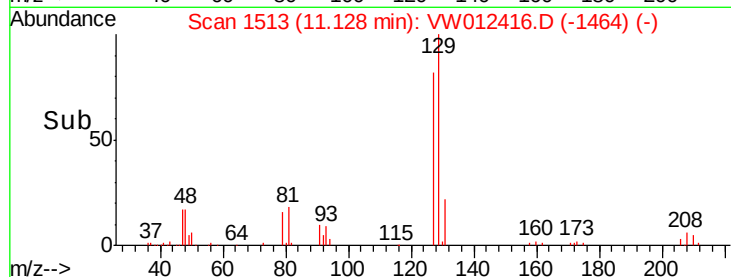
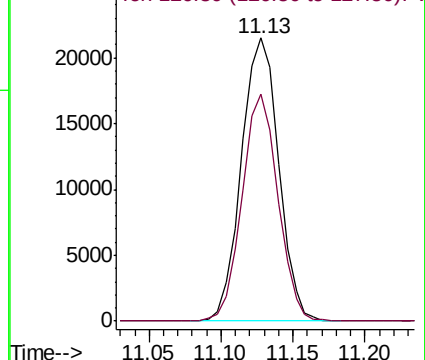
129 100

127 77.1 38.6 115.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 21.942 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW012416.D

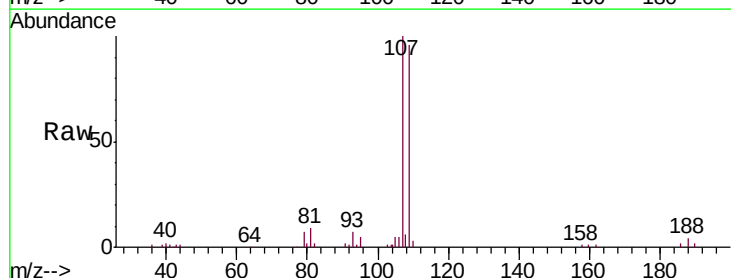
Acq: 31 Aug 2019 23:18

Tgt Ion:107 Resp: 32440

Ion Ratio Lower Upper

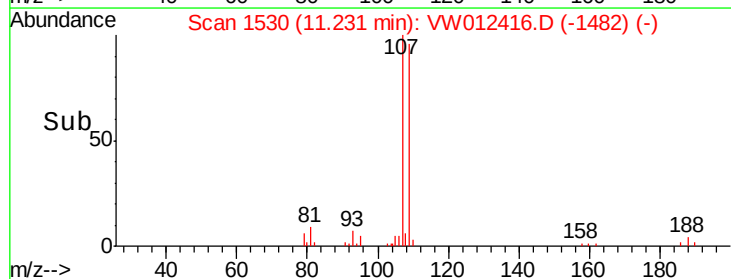
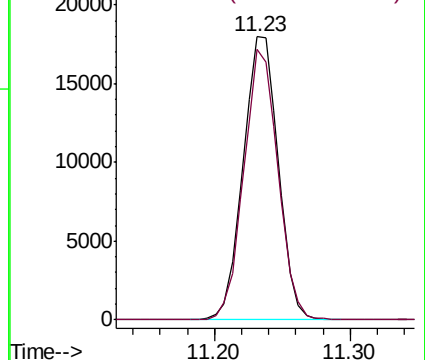
107 100

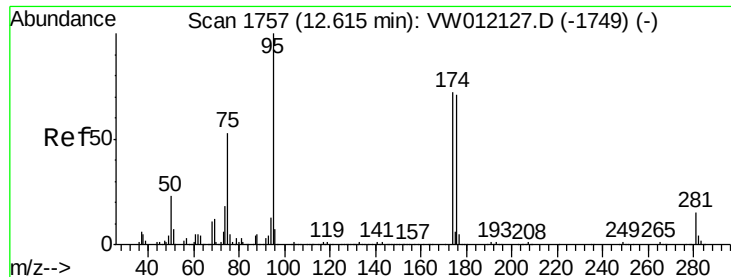
109 93.2 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 49.702 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS02

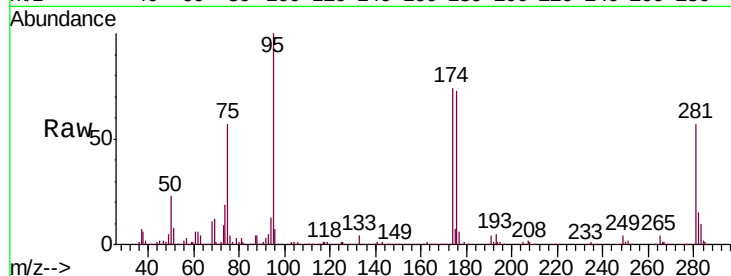
Tgt Ion: 95 Resp: 140758

Ion Ratio Lower Upper

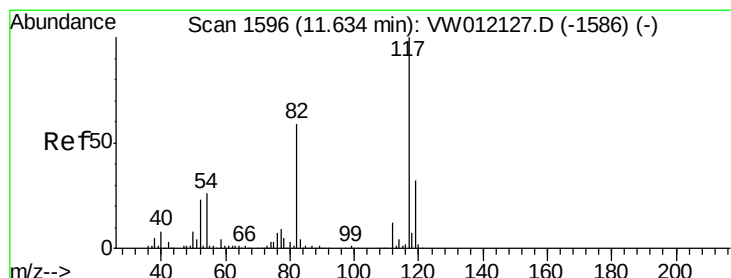
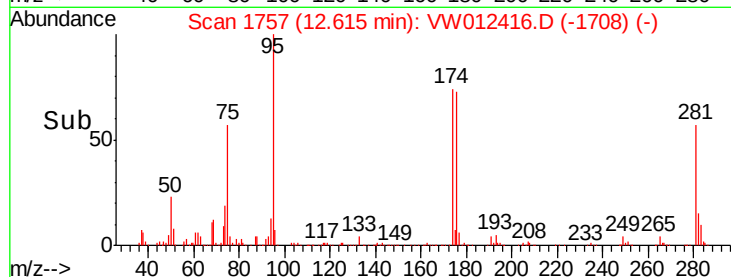
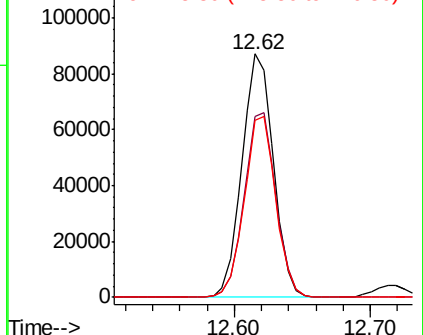
95 100

174 76.6 0.0 150.8

176 74.5 0.0 148.6



Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

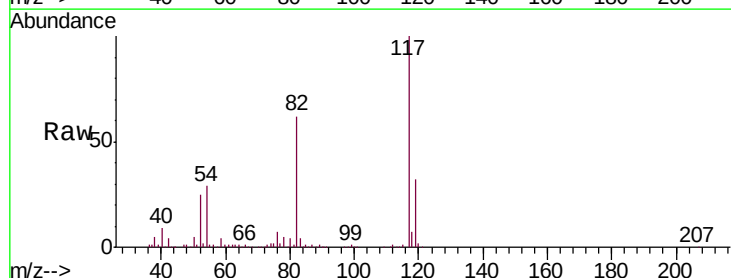
Tgt Ion: 117 Resp: 296778

Ion Ratio Lower Upper

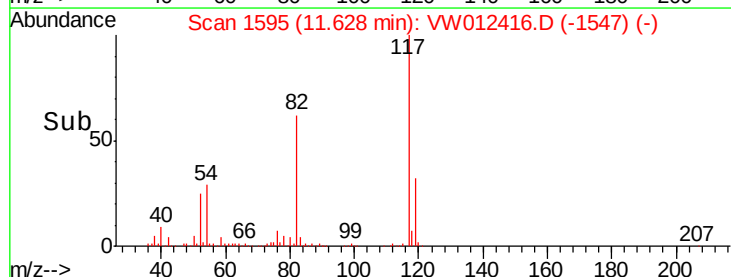
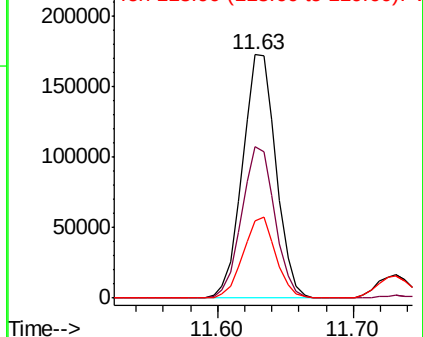
117 100

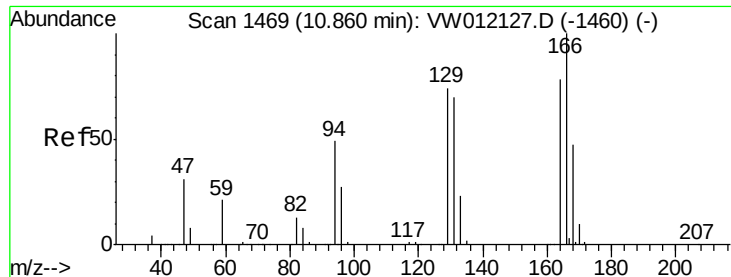
82 62.3 47.4 71.2

119 31.8 25.4 38.2



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





#64

Tetrachloroethene

Concen: 20.249 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS02

Tgt Ion:164 Resp: 38961

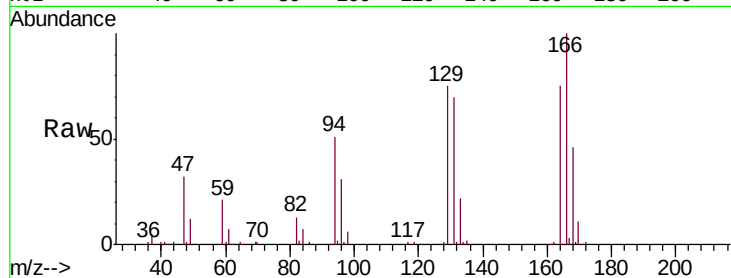
Ion Ratio Lower Upper

164 100

166 133.2 102.4 153.6

129 100.0 75.8 113.6

131 92.7 71.4 107.2

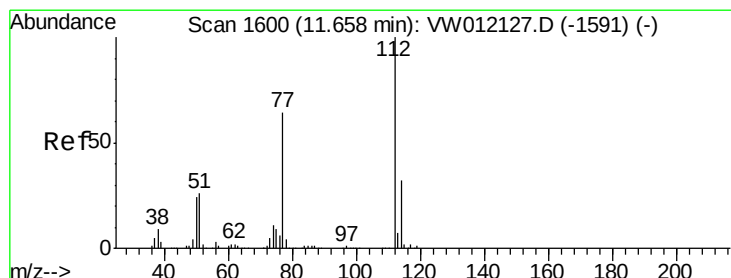
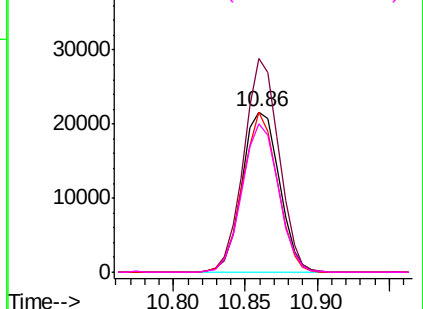
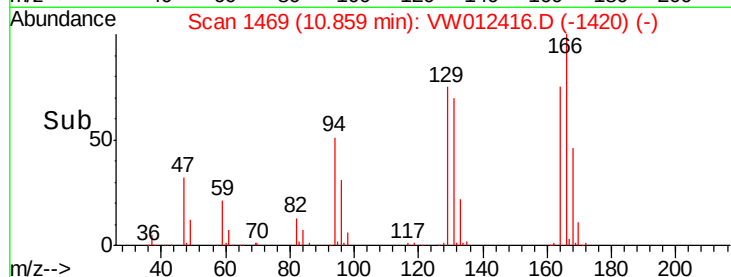


Abundance Ion 163.80 (163.50 to 164.50): V

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: 20.241 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW012416.D

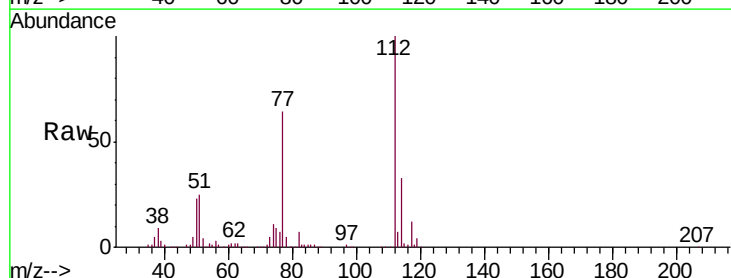
Acq: 31 Aug 2019 23:18

Tgt Ion:112 Resp: 118284

Ion Ratio Lower Upper

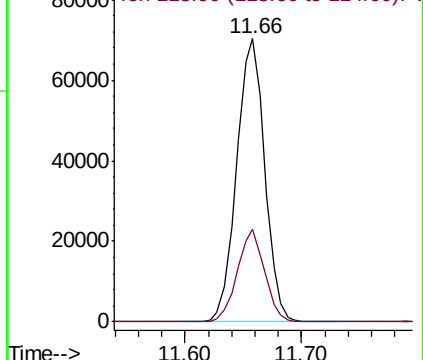
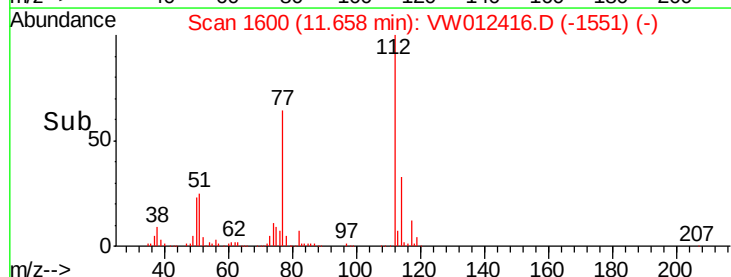
112 100

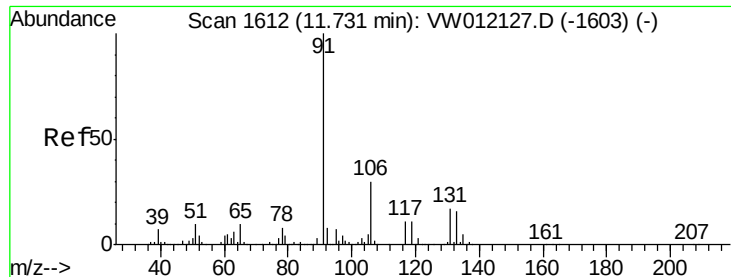
114 32.9 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 20.904 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS02

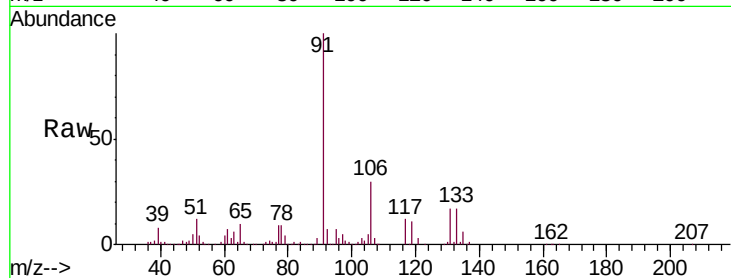
Tgt Ion:131 Resp: 42617

Ion Ratio Lower Upper

131 100

133 96.0 47.1 141.3

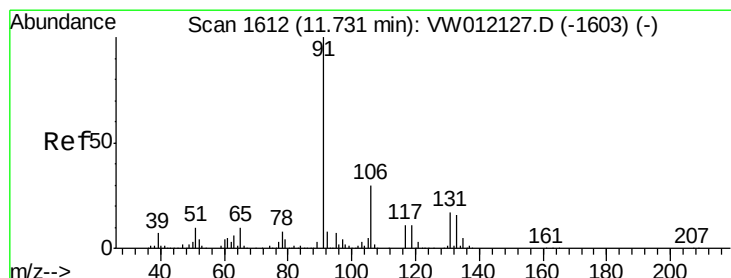
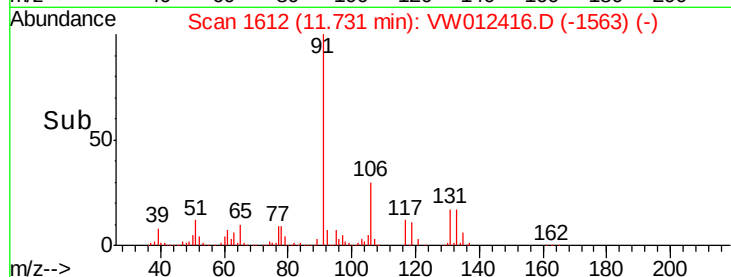
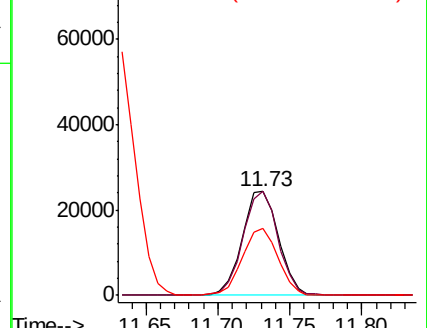
119 63.4 31.8 95.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 19.667 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW012416.D

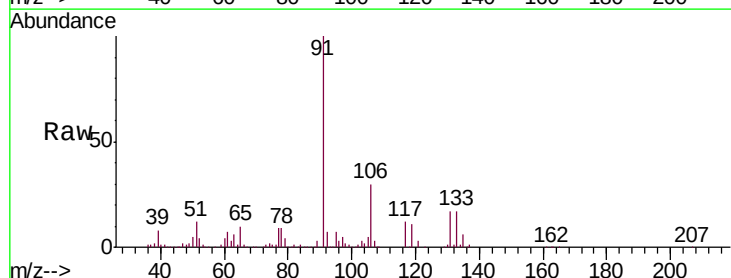
Acq: 31 Aug 2019 23:18

Tgt Ion: 91 Resp: 221397

Ion Ratio Lower Upper

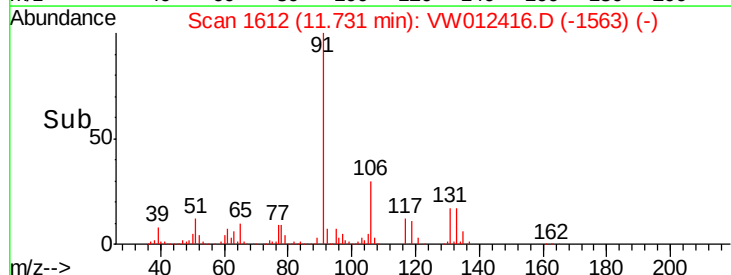
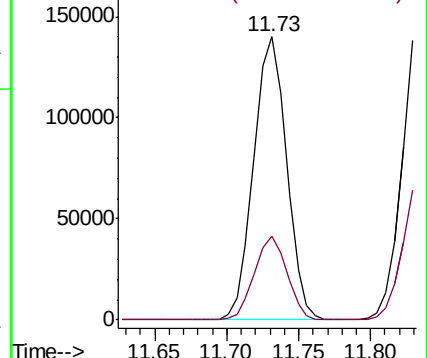
91 100

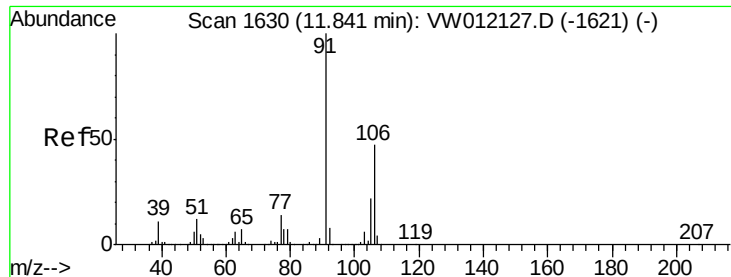
106 29.8 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

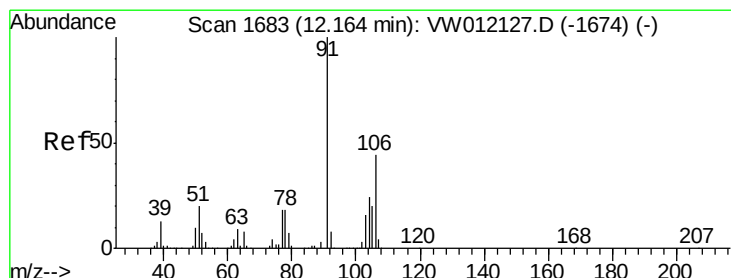
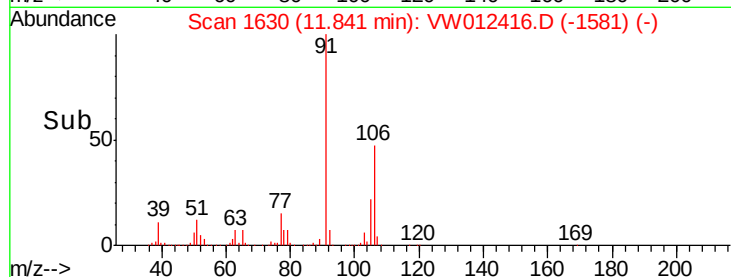
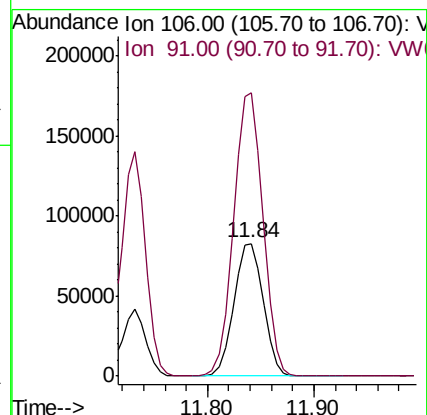
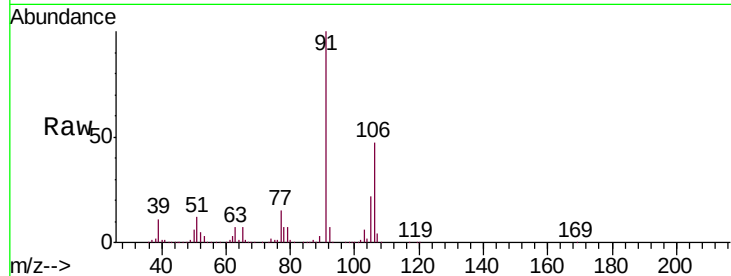




#68
m/p-Xylenes
Concen: 39.519 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012416.D
Acq: 31 Aug 2019 23:18

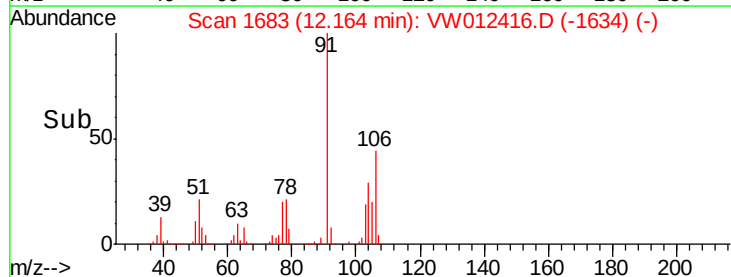
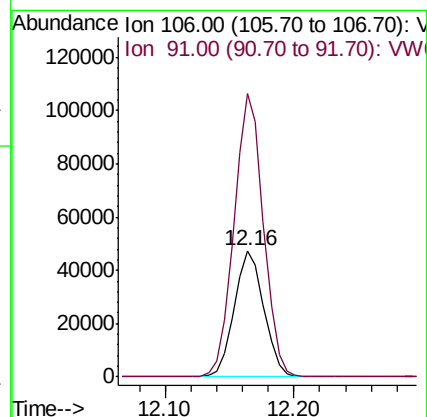
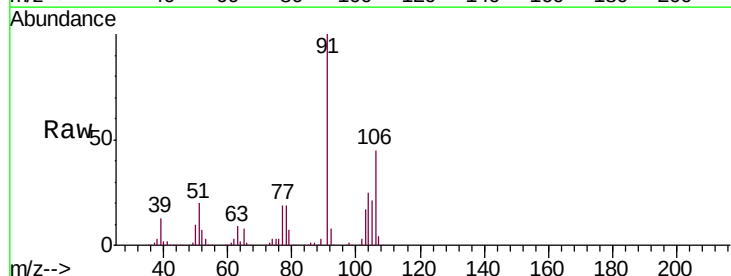
Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS02

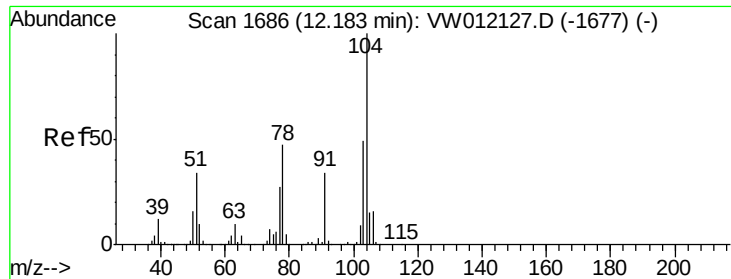
Tgt Ion:106 Resp: 160247
Ion Ratio Lower Upper
106 100
91 212.8 169.5 254.3



#69
o-Xylene
Concen: 20.292 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012416.D
Acq: 31 Aug 2019 23:18

Tgt Ion:106 Resp: 76155
Ion Ratio Lower Upper
106 100
91 221.9 111.6 334.6





#70

Styrene

Concen: 20.376 ug/l

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS02

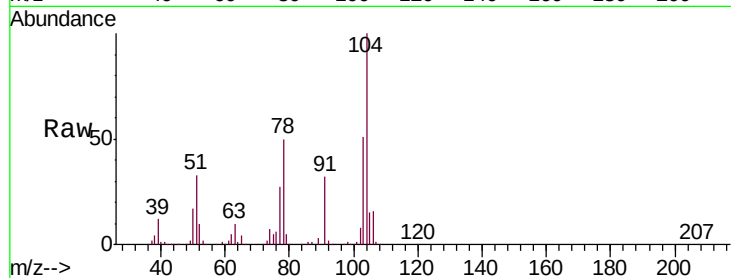
Tgt Ion:104 Resp: 132362

Ion Ratio Lower Upper

104 100

78 55.1 43.1 64.7

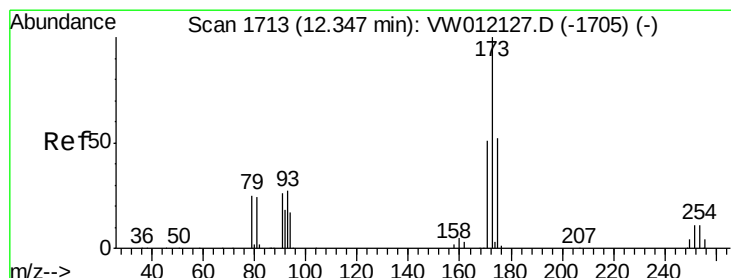
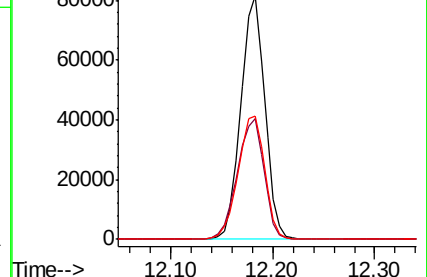
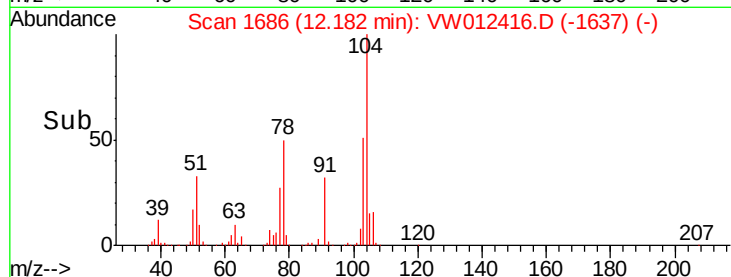
103 56.0 43.5 65.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 21.090 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

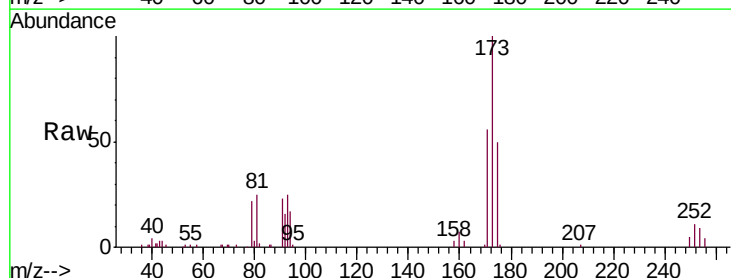
Tgt Ion:173 Resp: 21422

Ion Ratio Lower Upper

173 100

175 49.0 24.6 74.0

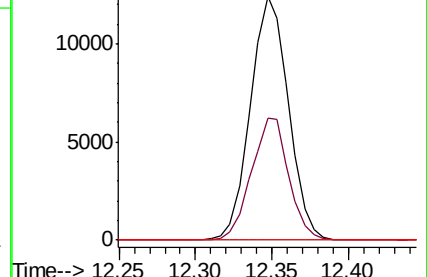
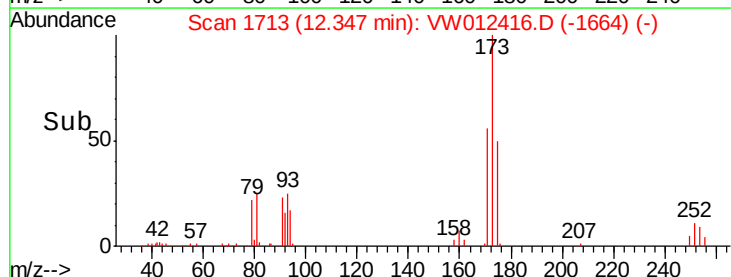
254 0.0 0.2 0.2#

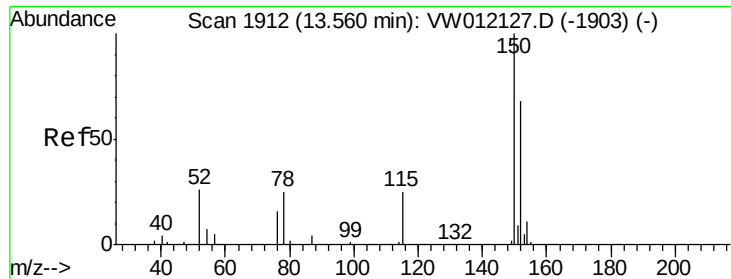


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS02

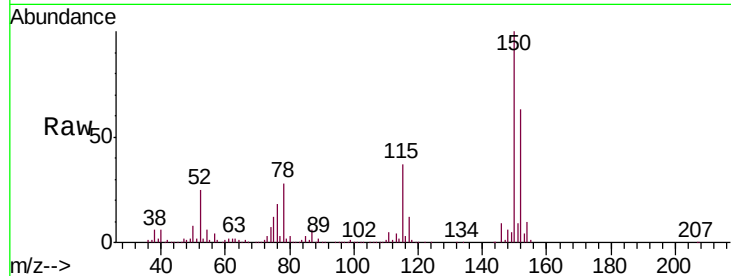
Tgt Ion:152 Resp: 148663

Ion Ratio Lower Upper

152 100

115 59.7 30.1 90.3

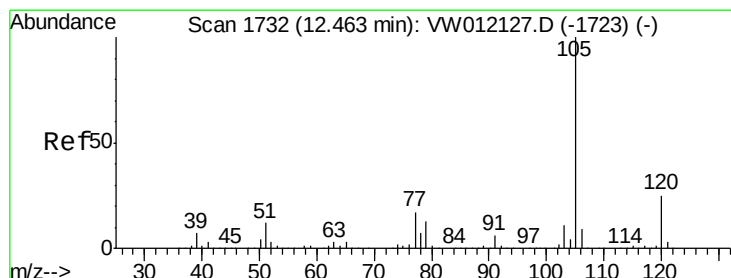
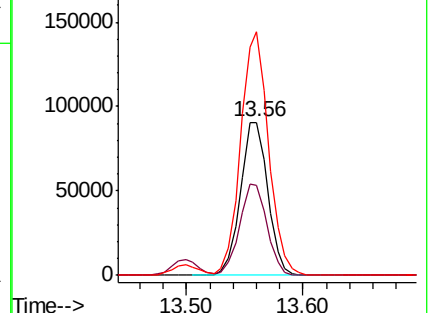
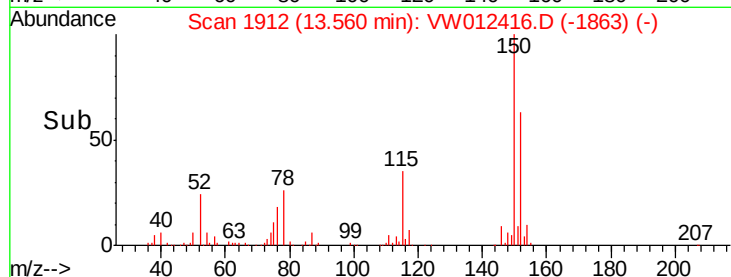
150 161.4 0.0 345.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 18.648 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012416.D

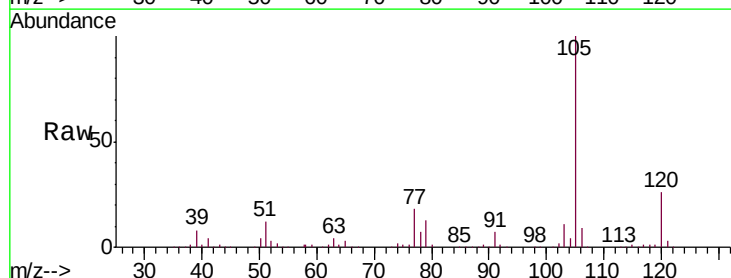
Acq: 31 Aug 2019 23:18

Tgt Ion:105 Resp: 207735

Ion Ratio Lower Upper

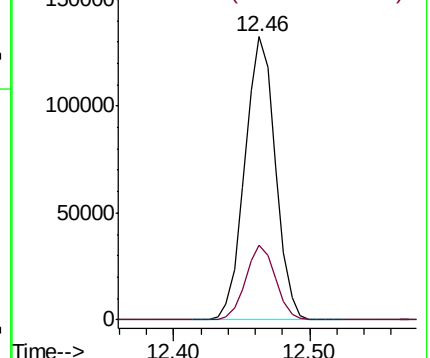
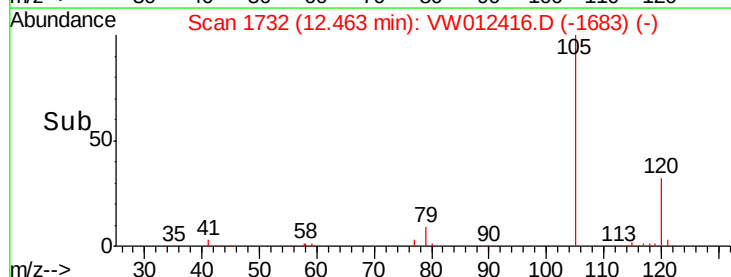
105 100

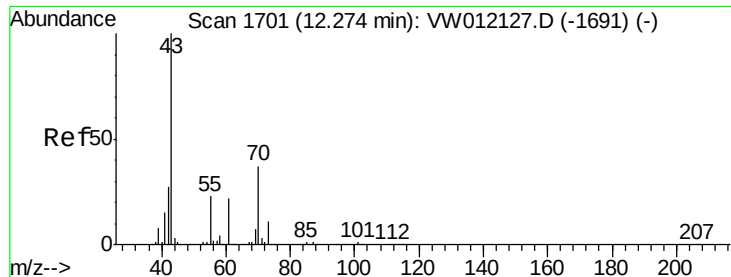
120 25.7 12.5 37.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amyI acetate

Concen: 20.453 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS02

Tgt Ion: 43 Resp: 68837

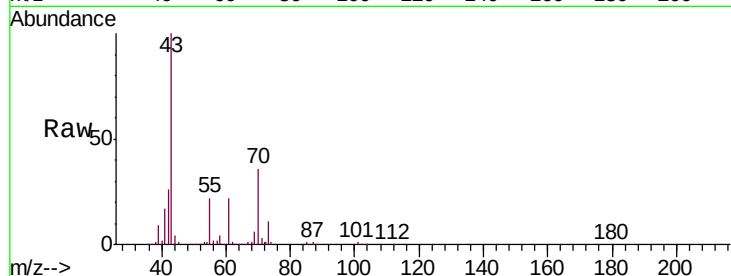
Ion Ratio Lower Upper

43 100

70 34.3 28.6 43.0

55 23.3 17.8 26.6

61 20.3 17.3 25.9

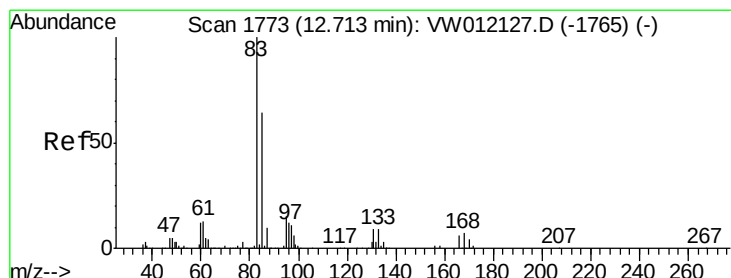
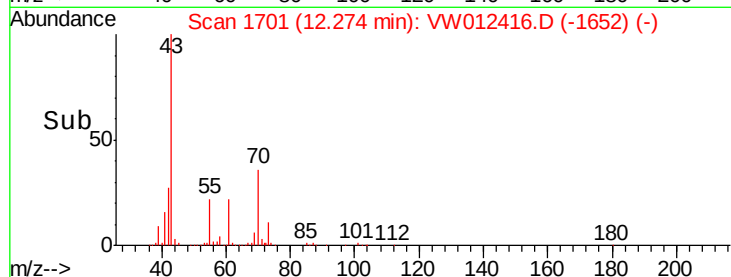
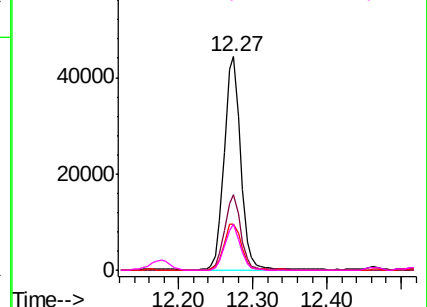


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#75

1,1,2,2-Tetrachloroethane

Concen: 20.174 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

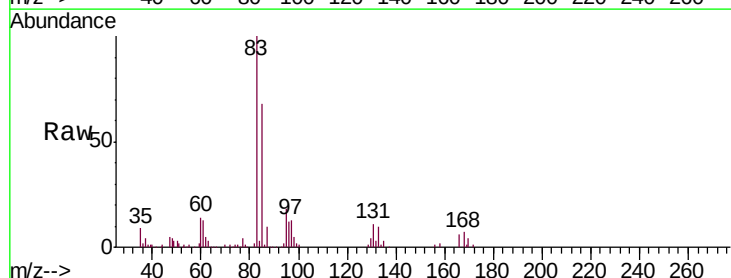
Tgt Ion: 83 Resp: 41200

Ion Ratio Lower Upper

83 100

131 10.7 4.9 14.7

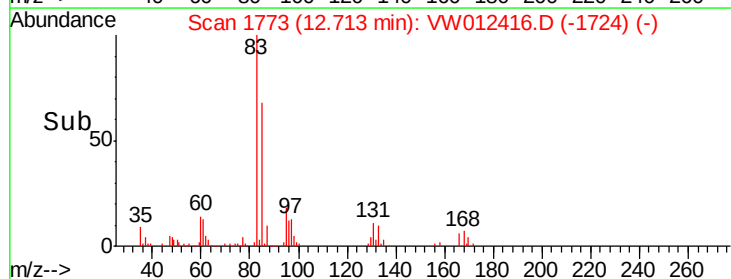
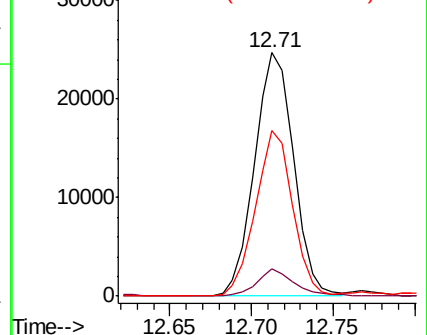
85 64.3 31.9 95.7

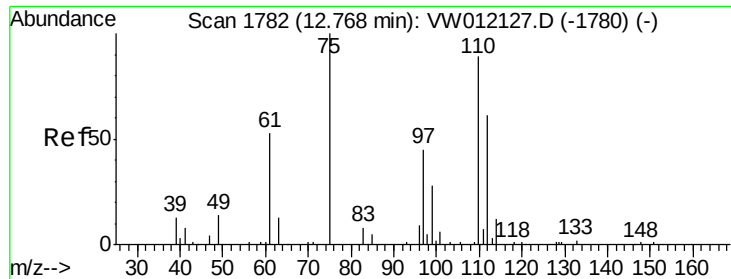


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW

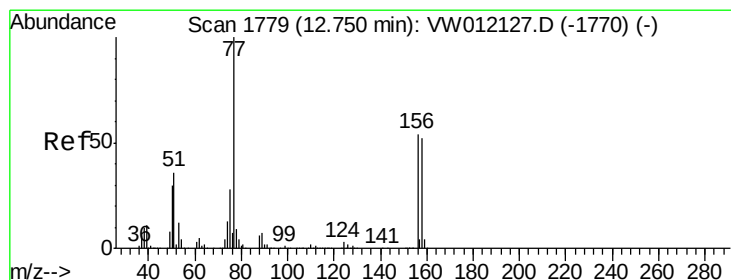
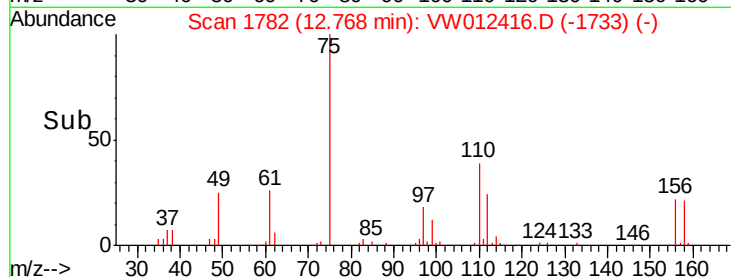
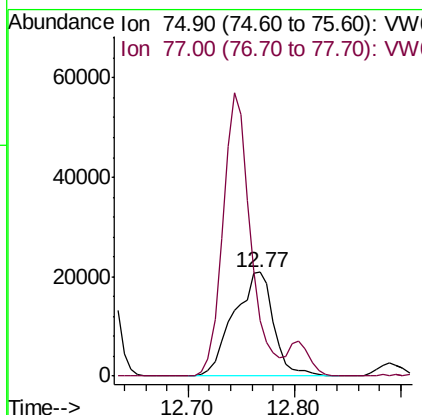
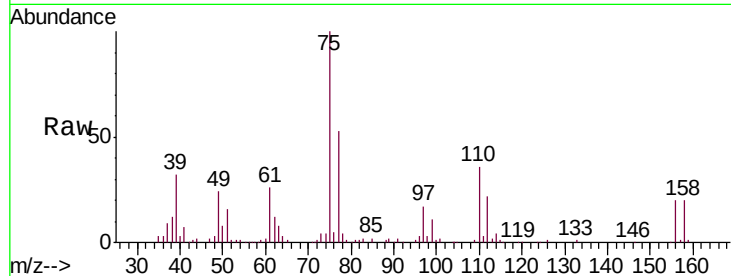




#76
 1,2,3-Trichloropropane
 Concen: 37.767 ug/l
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW012416.D
 Acq: 31 Aug 2019 23:18

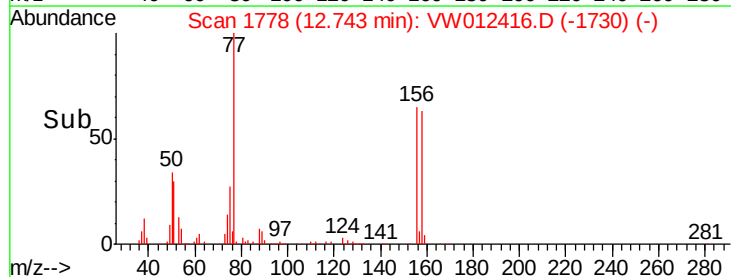
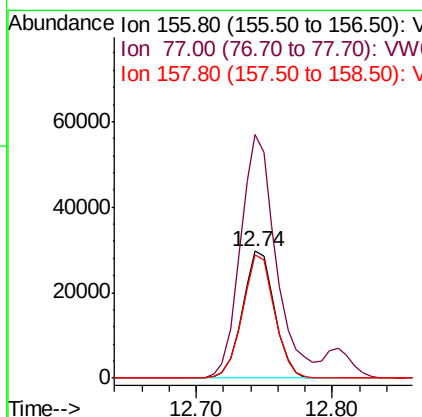
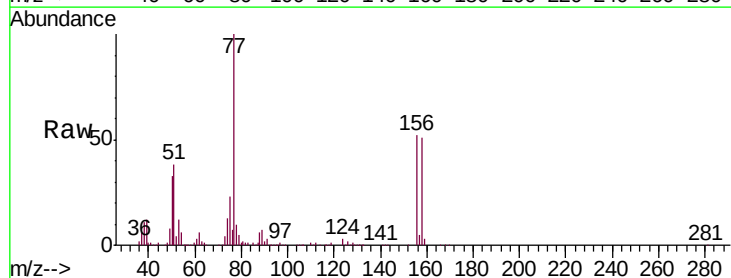
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS02

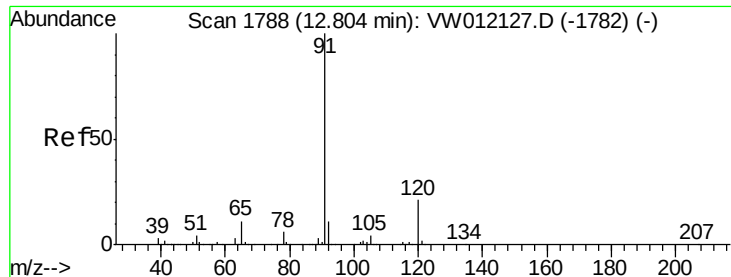
Tgt Ion: 75 Resp: 54682
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#77
 Bromobenzene
 Concen: 20.273 ug/l
 RT: 12.74 min Scan# 1778
 Delta R.T. -0.01 min
 Lab File: VW012416.D
 Acq: 31 Aug 2019 23:18

Tgt Ion: 156 Resp: 48856
 Ion Ratio Lower Upper
 156 100
 77 211.6 107.3 321.8
 158 96.7 49.0 147.0

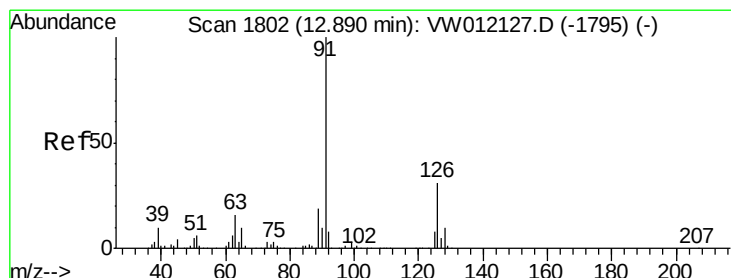
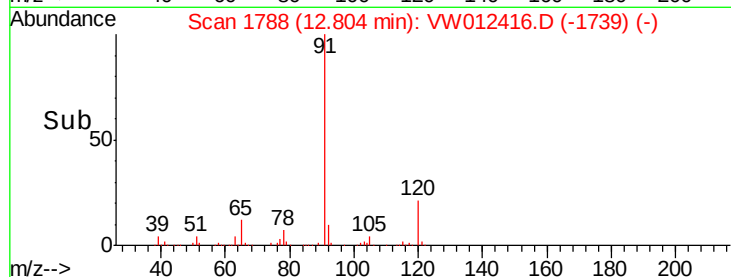
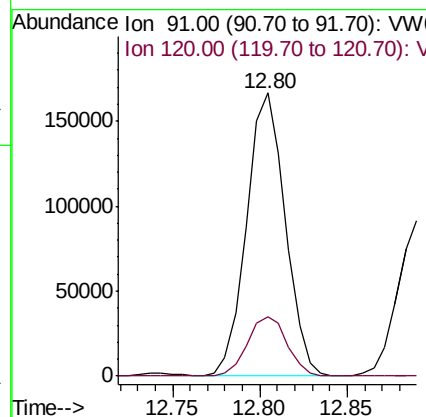
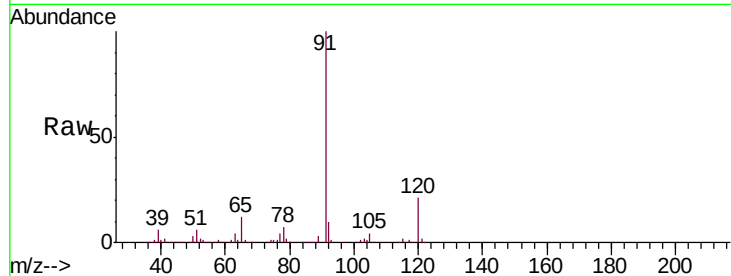




#78
n-propylbenzene
Concen: 18.725 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW012416.D
Acq: 31 Aug 2019 23:18

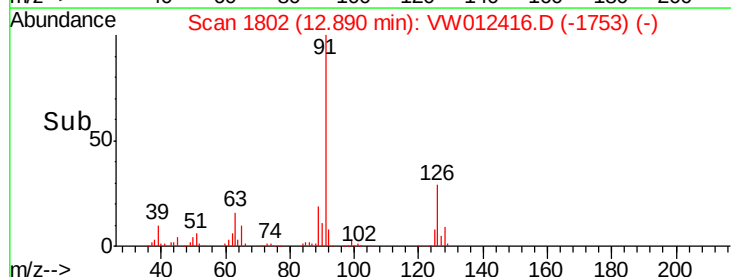
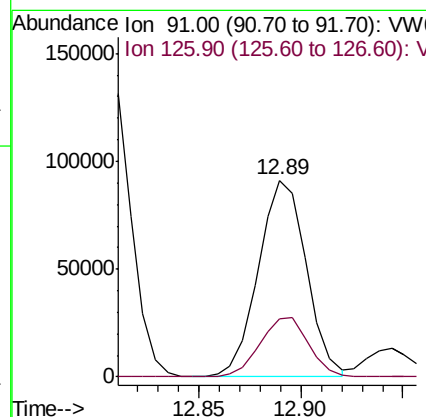
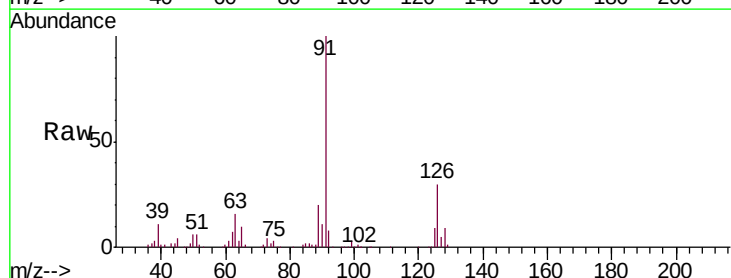
Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS02

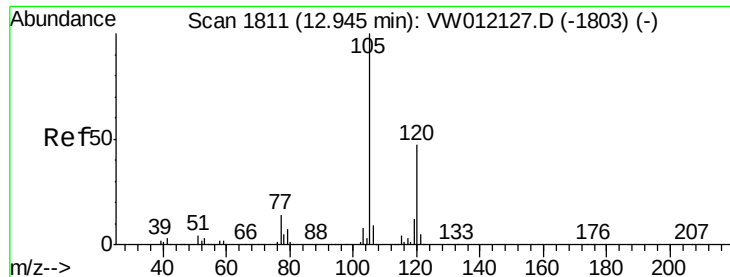
Tgt Ion: 91 Resp: 254649
Ion Ratio Lower Upper
91 100
120 21.8 10.5 31.6



#79
2-Chlorotoluene
Concen: 19.295 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VW012416.D
Acq: 31 Aug 2019 23:18

Tgt Ion: 91 Resp: 148972
Ion Ratio Lower Upper
91 100
126 30.7 15.7 47.0

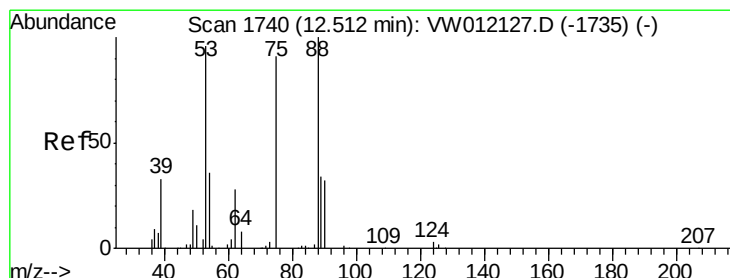
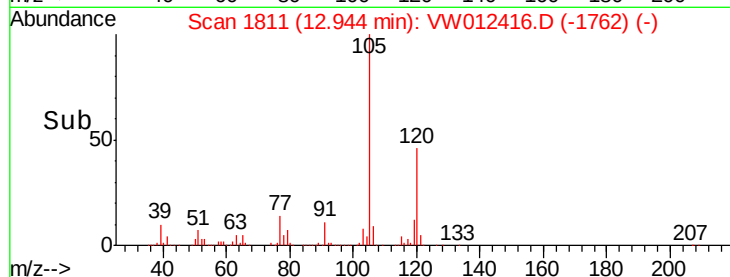
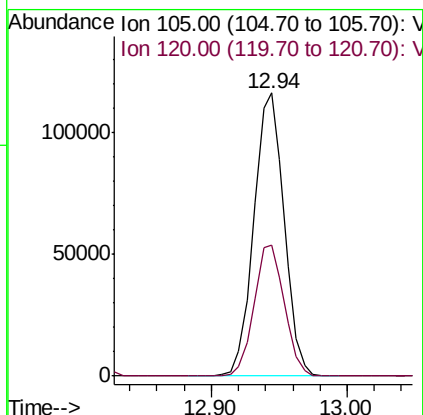
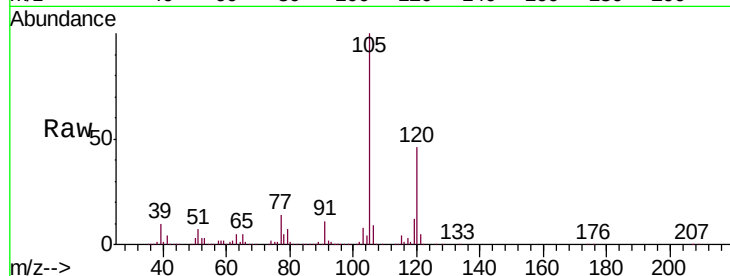




#80
 1,3,5-Trimethylbenzene
 Concen: 19.499 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW012416.D
 Acq: 31 Aug 2019 23:18

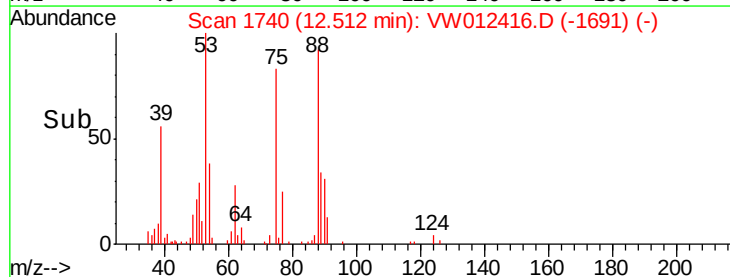
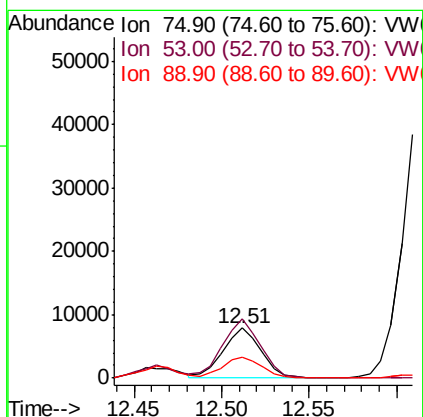
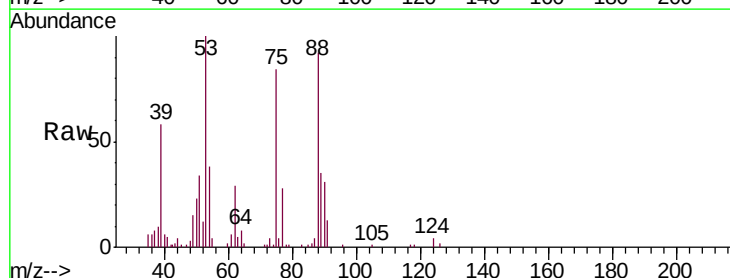
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS02

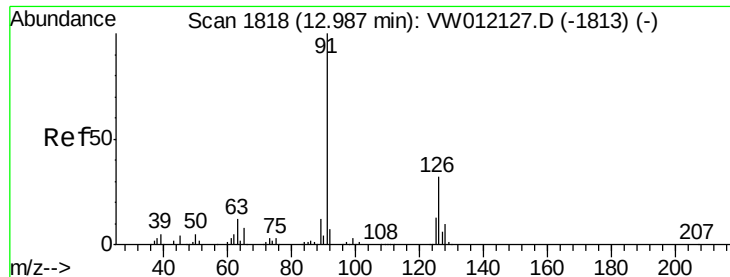
Tgt Ion:105 Resp: 181502
 Ion Ratio Lower Upper
 105 100
 120 46.6 24.0 72.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 18.019 ug/l
 RT: 12.51 min Scan# 1740
 Delta R.T. -0.00 min
 Lab File: VW012416.D
 Acq: 31 Aug 2019 23:18

Tgt Ion: 75 Resp: 11899
 Ion Ratio Lower Upper
 75 100
 53 118.0 89.4 134.0
 89 42.5 34.5 51.7





#82

4-Chlorotoluene

Concen: 19.422 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Instrument :

MSVOA_W

ClientSampleId :

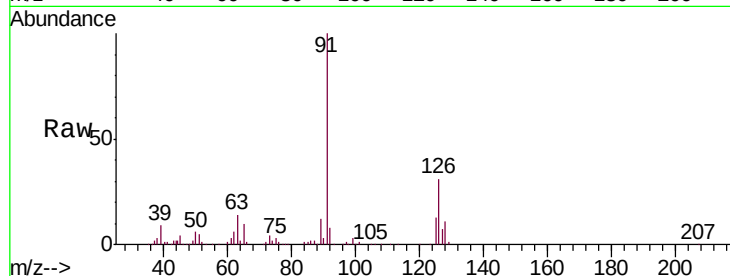
VW0831SBS02

Tgt Ion: 91 Resp: 157013

Ion Ratio Lower Upper

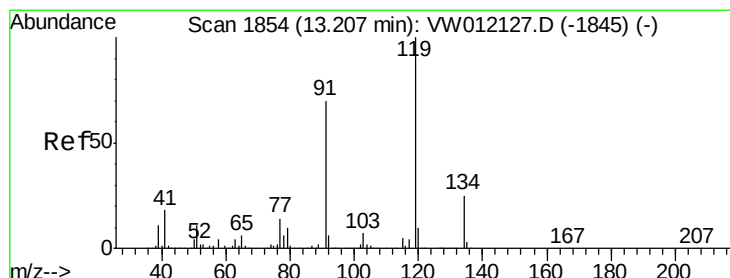
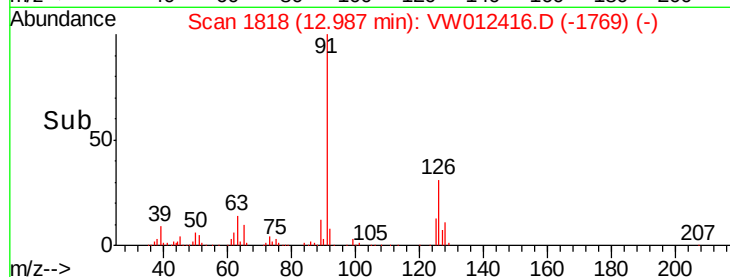
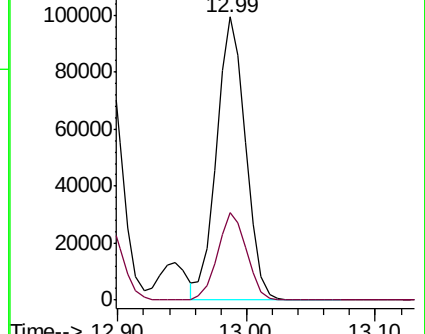
91 100

126 30.9 15.6 46.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#83

tert-Butylbenzene

Concen: 19.462 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

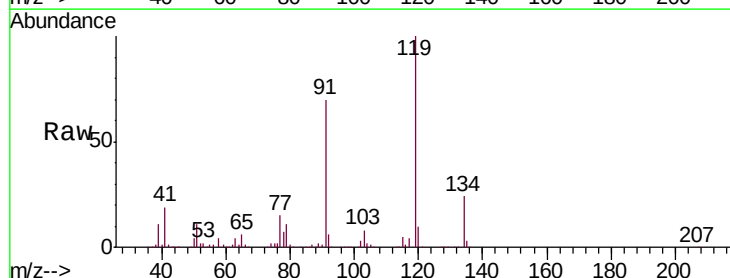
Tgt Ion: 119 Resp: 153453

Ion Ratio Lower Upper

119 100

91 69.2 34.8 104.3

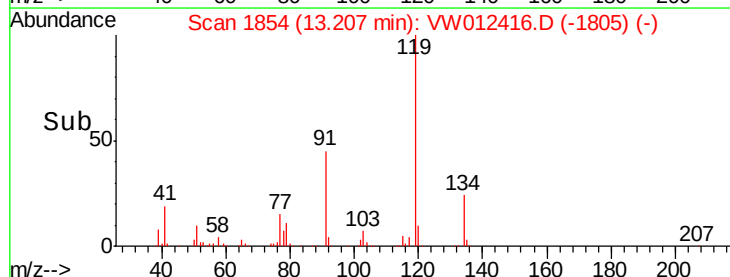
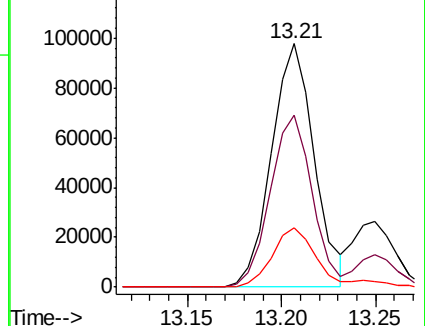
134 24.3 13.3 39.8

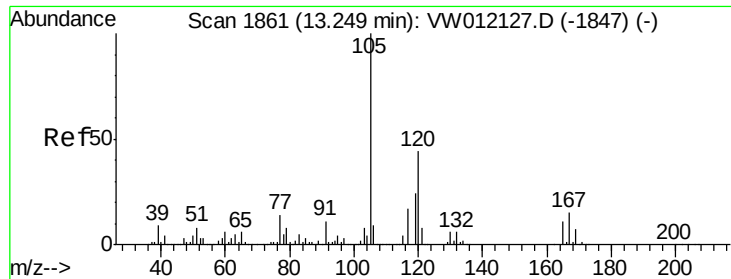


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V

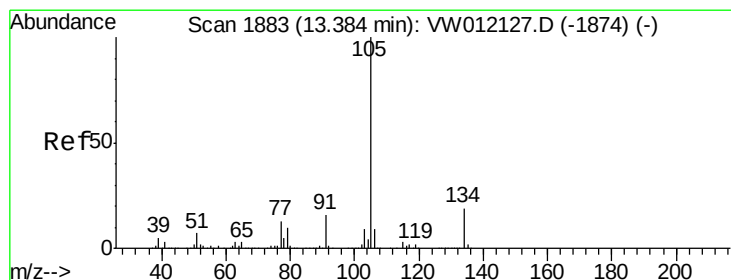
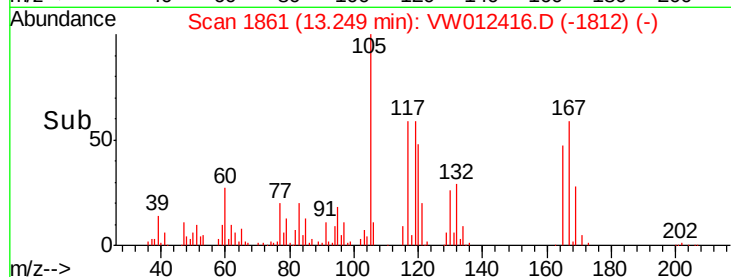
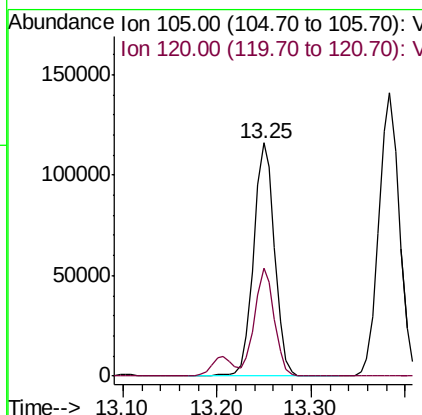
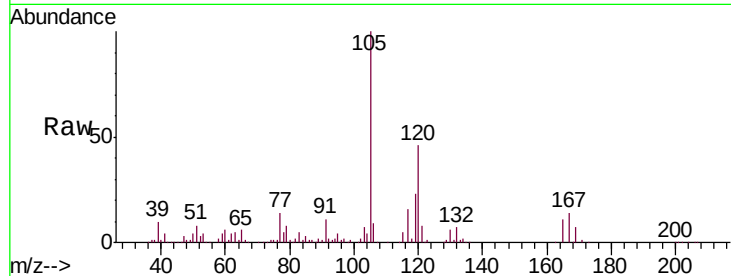




#84
1,2,4-Trimethylbenzene
Concen: 19.540 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012416.D
Acq: 31 Aug 2019 23:18

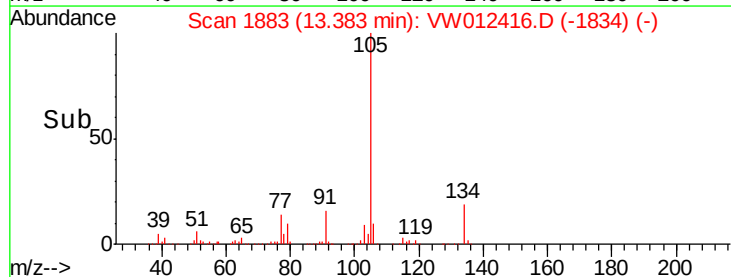
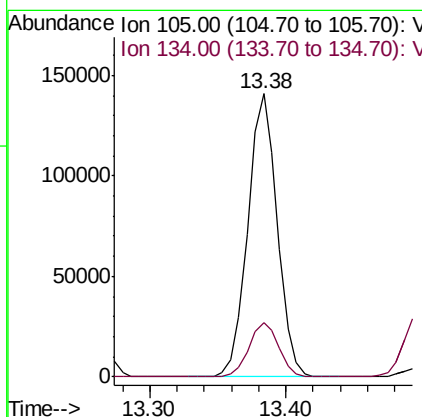
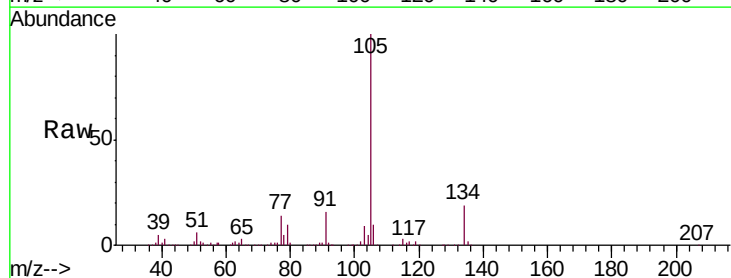
Instrument :
MSVOA_W
ClientSampleId :
VW0831SBS02

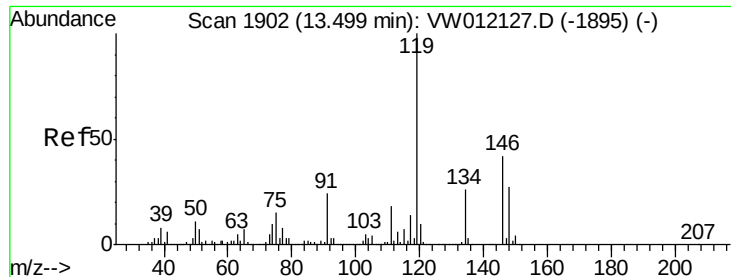
Tgt Ion:105 Resp: 182709
Ion Ratio Lower Upper
105 100
120 43.5 21.9 65.7



#85
sec-Butylbenzene
Concen: 18.876 ug/l
RT: 13.38 min Scan# 1883
Delta R.T. -0.00 min
Lab File: VW012416.D
Acq: 31 Aug 2019 23:18

Tgt Ion:105 Resp: 213234
Ion Ratio Lower Upper
105 100
134 19.4 9.8 29.4

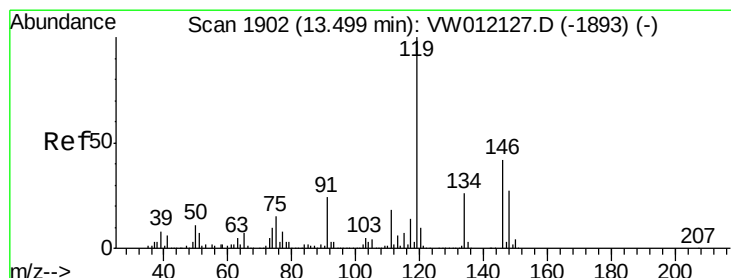
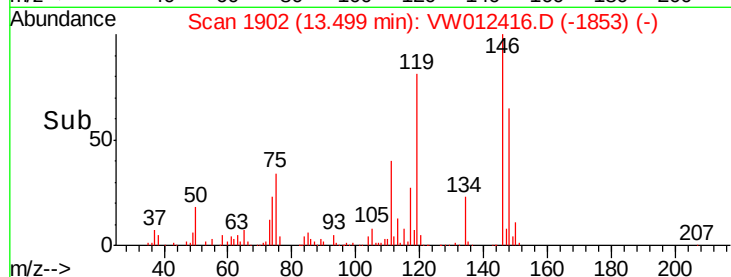
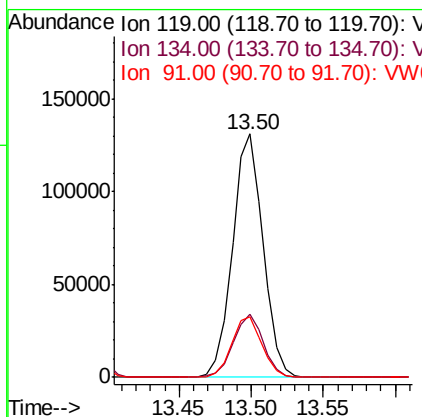
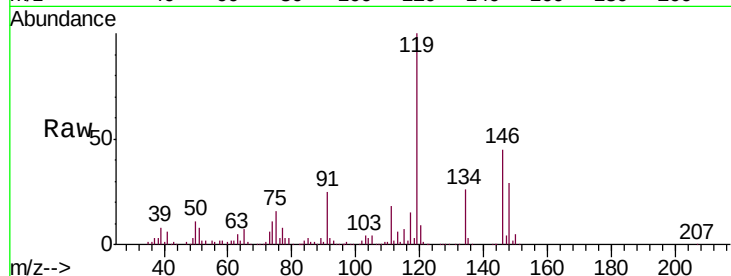




#86
 p-Isopropyltoluene
 Concen: 19.092 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012416.D
 Acq: 31 Aug 2019 23:18

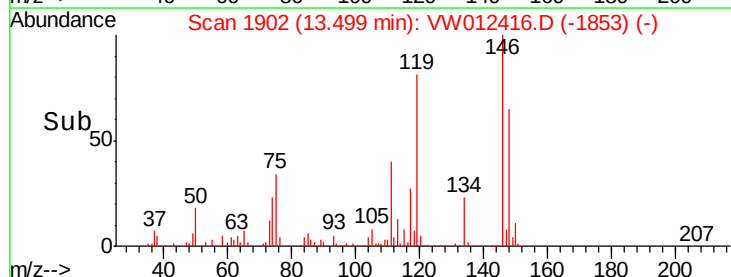
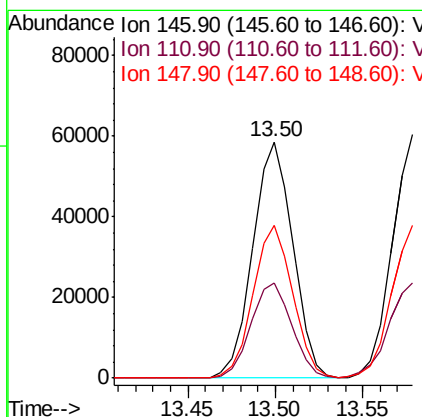
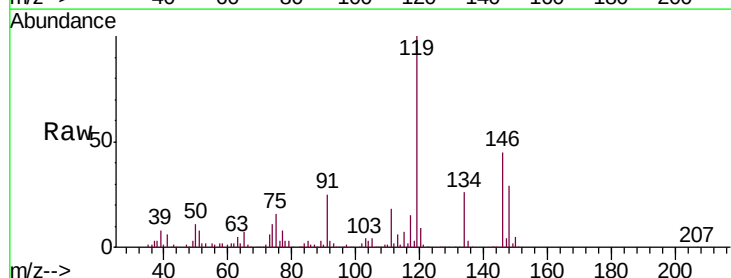
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS02

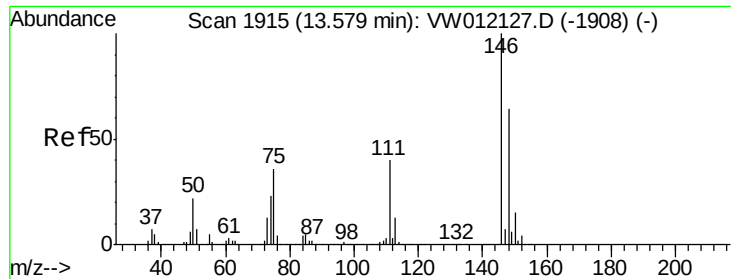
Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.8	38.3
91	24.9	12.3	36.9



#87
 1,3-Dichlorobenzene
 Concen: 19.791 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012416.D
 Acq: 31 Aug 2019 23:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.9	62.7
148	63.9	32.2	96.6

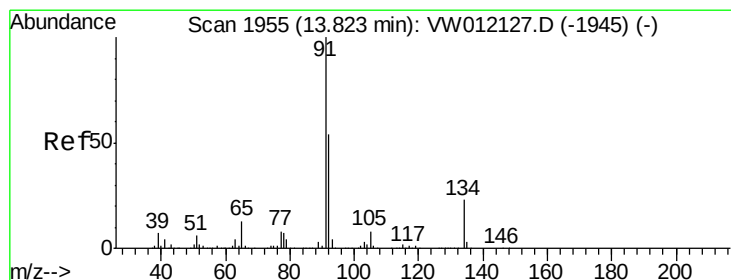
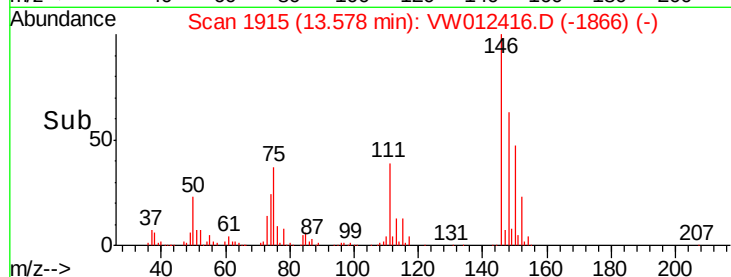
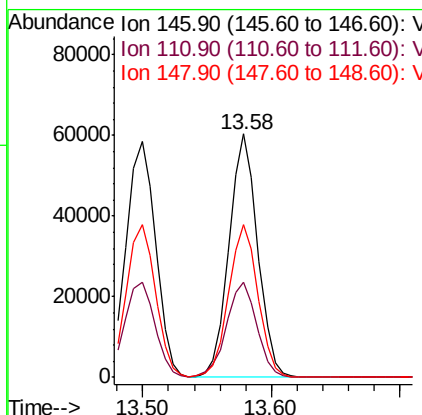
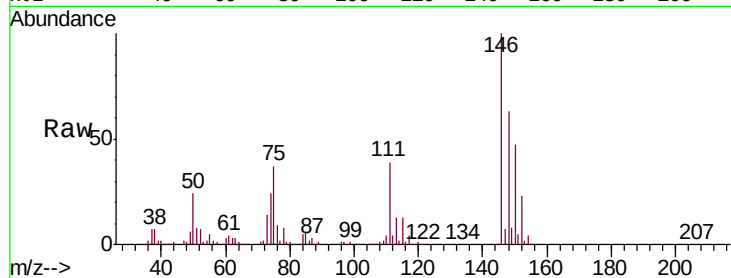




#88
 1,4-Dichlorobenzene
 Concen: 20.021 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012416.D
 Acq: 31 Aug 2019 23:18

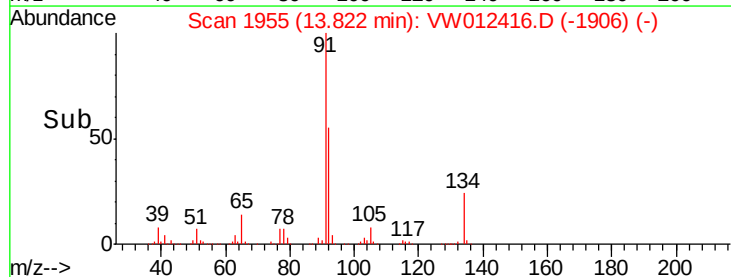
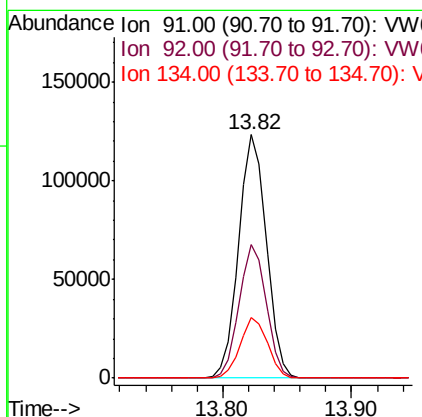
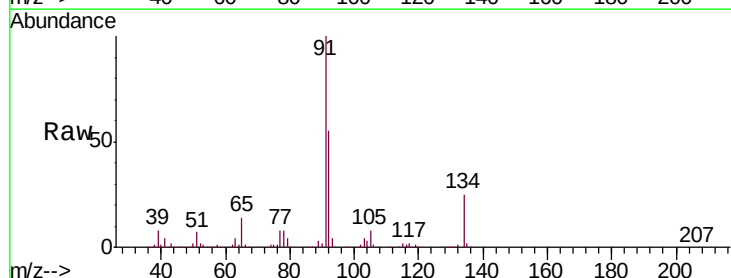
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS02

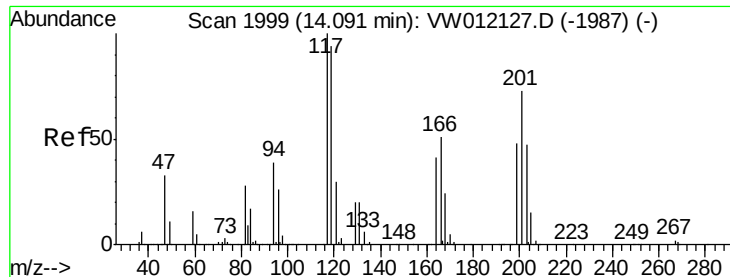
Tgt Ion:146 Resp: 93708
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.0 60.0
 148 64.4 32.1 96.3



#89
 n-Butylbenzene
 Concen: 18.310 ug/l
 RT: 13.82 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW012416.D
 Acq: 31 Aug 2019 23:18

Tgt Ion: 91 Resp: 183694
 Ion Ratio Lower Upper
 91 100
 92 54.0 27.1 81.2
 134 24.7 12.2 36.4





#90

Hexachloroethane

Concen: 18.883 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Instrument :

MSVOA_W

ClientSampleId :

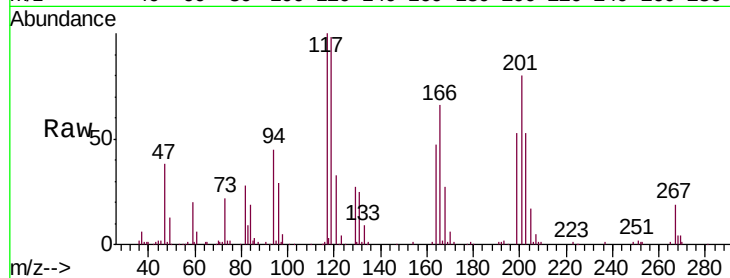
VW0831SBS02

Tgt Ion:117 Resp: 33422

Ion Ratio Lower Upper

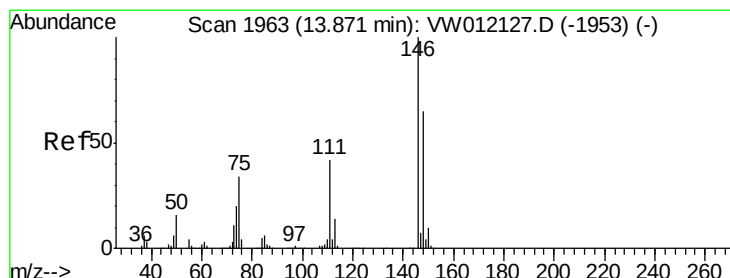
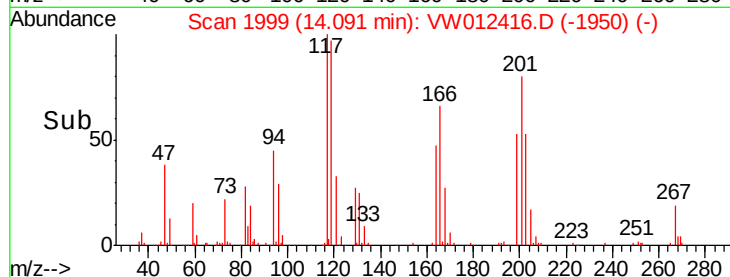
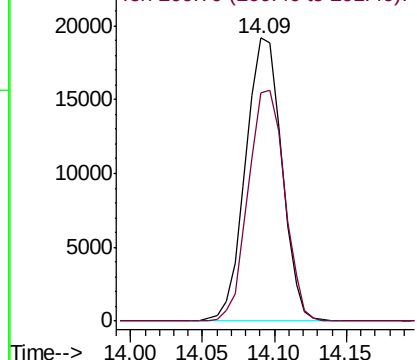
117 100

201 81.7 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: 20.323 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

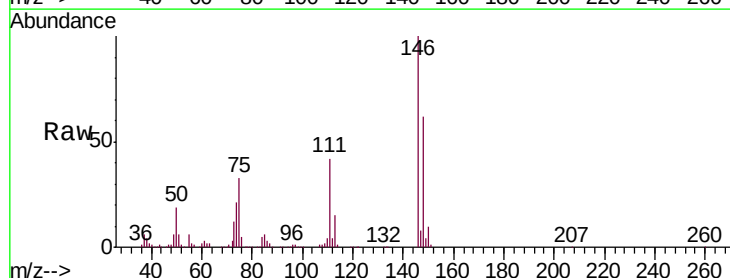
Tgt Ion:146 Resp: 84037

Ion Ratio Lower Upper

146 100

111 43.5 21.2 63.6

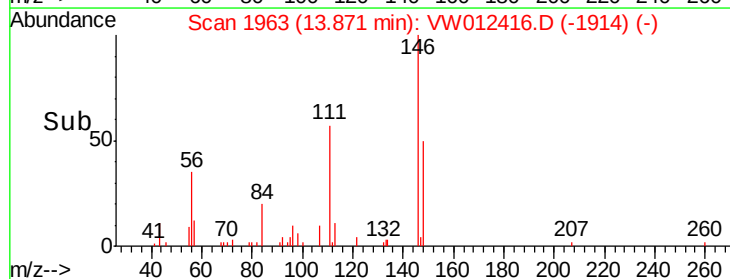
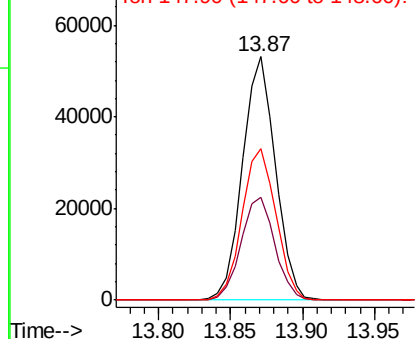
148 64.0 32.5 97.4

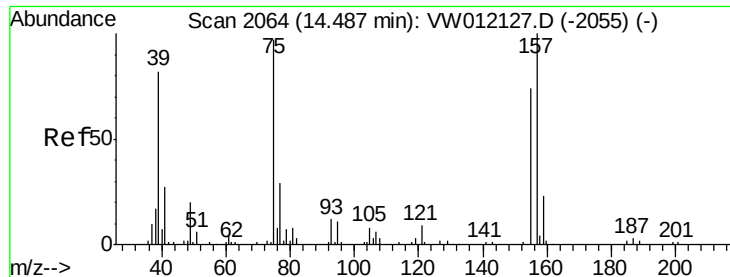


Abundance Ion 145.90 (145.60 to 146.60): V

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: 20.774 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.01 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS02

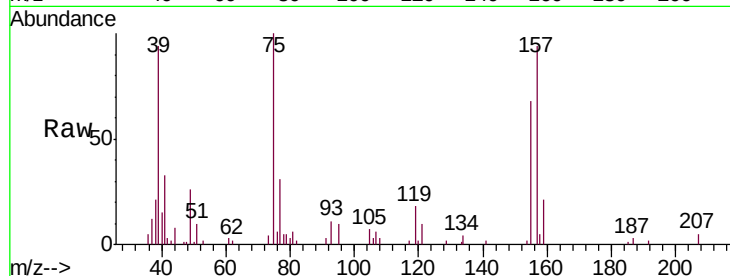
Tgt Ion: 75 Resp: 7152

Ion Ratio Lower Upper

75 100

155 72.5 37.5 112.3

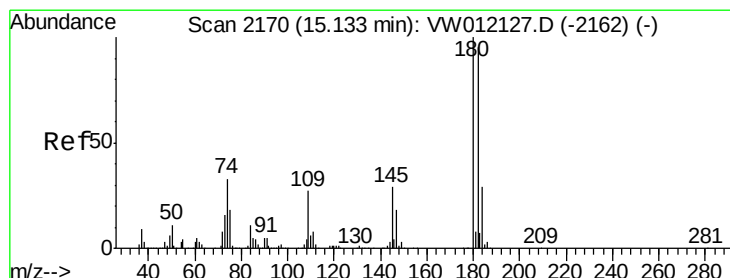
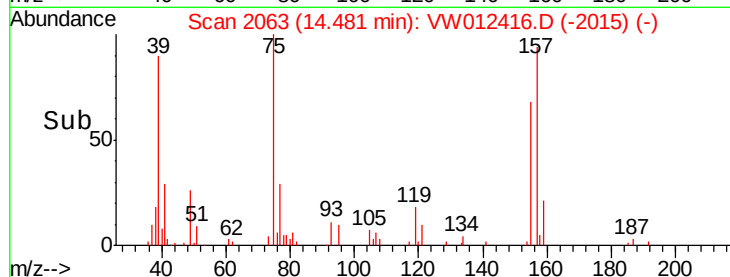
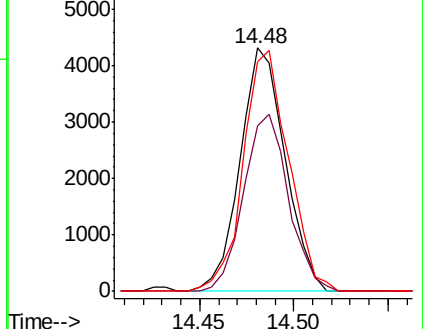
157 99.3 50.5 151.5



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: 19.787 ug/l

RT: 15.13 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

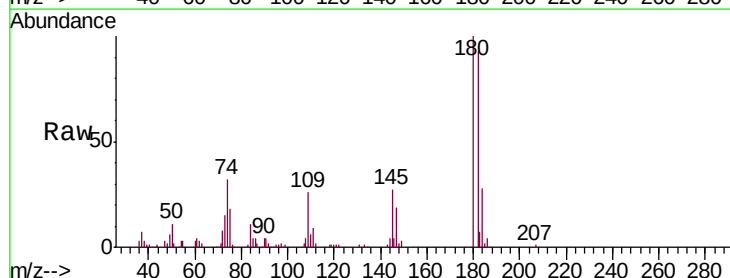
Tgt Ion: 180 Resp: 56543

Ion Ratio Lower Upper

180 100

182 94.8 47.8 143.4

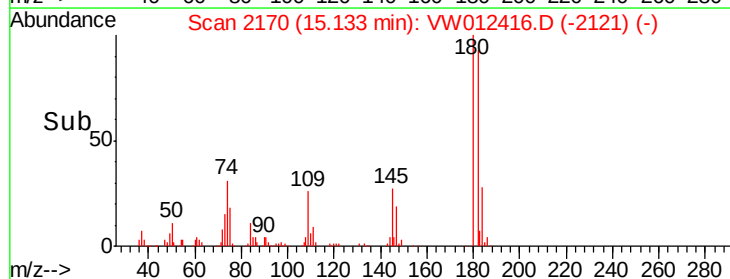
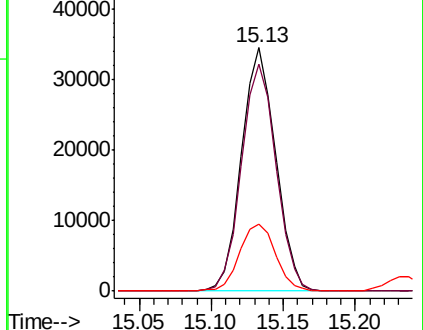
145 29.2 15.0 45.1

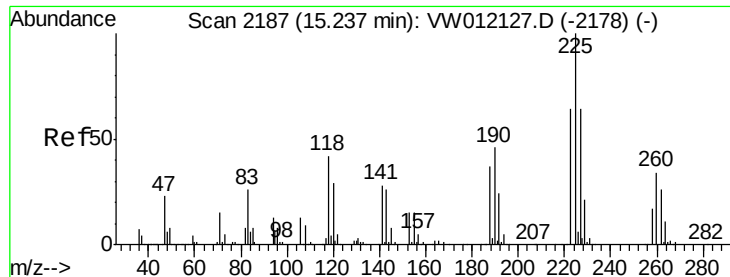


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 20.180 ug/l

RT: 15.24 min Scan# 2187

Delta R.T. -0.00 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

Instrument :

MSVOA_W

ClientSampleId :

VW0831SBS02

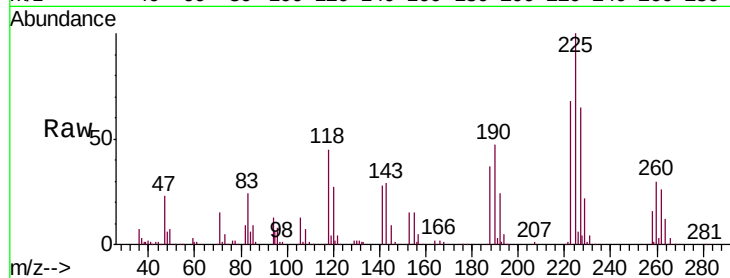
Tgt Ion:225 Resp: 38078

Ion Ratio Lower Upper

225 100

223 63.1 32.3 96.8

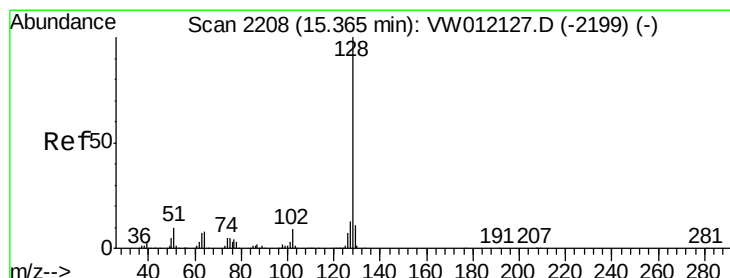
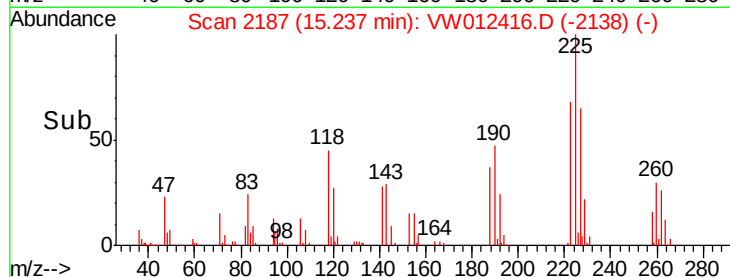
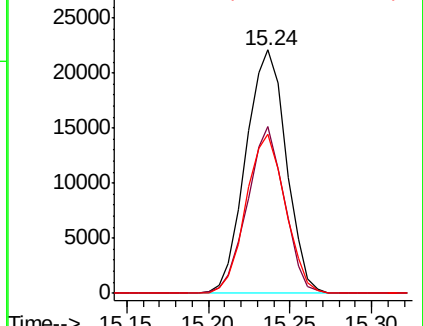
227 63.7 32.9 98.6



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: 20.006 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW012416.D

Acq: 31 Aug 2019 23:18

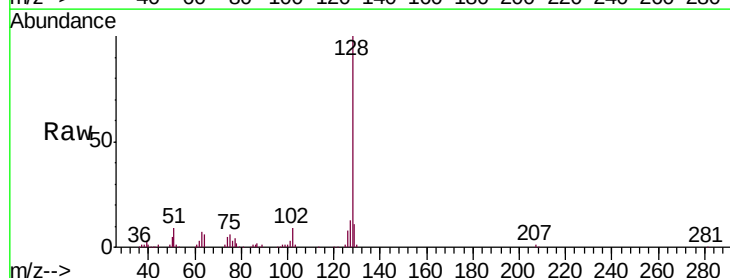
Tgt Ion:128 Resp: 96271

Ion Ratio Lower Upper

128 100

127 14.1 10.7 16.1

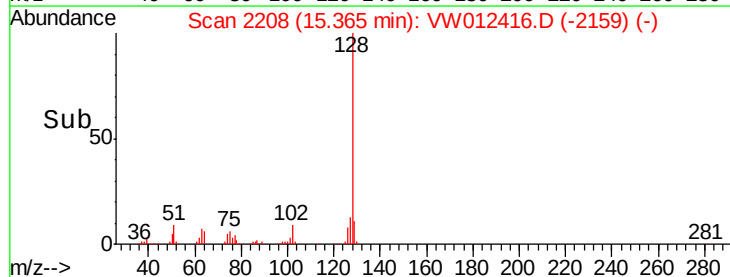
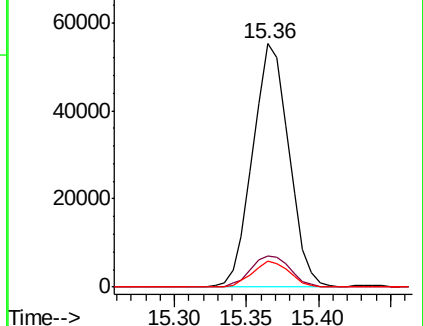
129 10.8 8.7 13.1

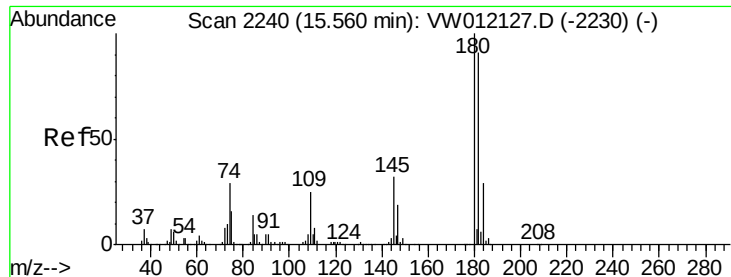


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 19.933 ug/l
 RT: 15.55 min Scan# 2239
 Delta R.T. -0.01 min
 Lab File: VW012416.D
 Acq: 31 Aug 2019 23:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0831SBS02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.1	141.3
145	33.1	16.2	48.5

