

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082719\
 Data File : VW012218.D
 Acq On : 27 Aug 2019 17:44
 Operator : SY/VA
 Sample : K4551-20MSD
 Misc : 5.79G/5ML/MSVOA_W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 S402-K1-1.0-1.5-082619MSD

Quant Time: Aug 28 04:58:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	258752	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	431228	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	368984	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	167094	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	159737	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	
35) Dibromofluoromethane	7.88	113	132072	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	
50) Toluene-d8	10.32	98	529824	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
62) 4-Bromofluorobenzene	12.62	95	184125	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	79596	49.959	ug/l	97
3) Chloromethane	2.21	50	129591	52.501	ug/l	99
4) Vinyl Chloride	2.36	62	164269	54.372	ug/l	97
5) Bromomethane	2.77	94	81503	53.268	ug/l	95
6) Chloroethane	2.92	64	95403	55.977	ug/l	97
7) Trichlorofluoromethane	3.26	101	84894	55.961	ug/l	100
8) Diethyl Ether	3.68	74	85316	59.249	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	132267	51.293	ug/l	98
10) Methyl Iodide	4.27	142	192351	55.131	ug/l	98
11) Tert butyl alcohol	5.18	59	52612	284.224	ug/l	99
12) 1,1-Dichloroethene	4.04	96	141684	54.590	ug/l	95
13) Acrolein	3.90	56	17961	103.078	ug/l	96
14) Allyl chloride	4.67	41	316276	57.001	ug/l	99
15) Acrylonitrile	5.37	53	196558	275.397	ug/l	99
16) Acetone	4.12	43	211803	269.376	ug/l	99
17) Carbon Disulfide	4.38	76	428213	54.592	ug/l	99
18) Methyl Acetate	4.67	43	293292	150.603	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	248118	59.115	ug/l	99
20) Methylene Chloride	4.92	84	195492	65.769	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	155282	55.793	ug/l	97
22) Diisopropyl ether	6.31	45	588956	57.265	ug/l	92
23) Vinyl Acetate	6.26	43	330607	52.233	ug/l	100
24) 1,1-Dichloroethane	6.21	63	313433	55.971	ug/l	100
25) 2-Butanone	7.17	43	269027	251.791	ug/l	100
26) 2,2-Dichloropropane	7.17	77	168396	53.128	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	169668	57.058	ug/l	99
28) Bromochloromethane	7.51	49	128741	52.747	ug/l	99
29) Tetrahydrofuran	7.53	42	186813	291.428	ug/l	98
30) Chloroform	7.68	83	282569	55.153	ug/l	99
31) Cyclohexane	7.95	56	276788	49.958	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	223422	55.126	ug/l	99
36) 1,1-Dichloropropene	8.08	75	231491	51.948	ug/l	99
37) Ethyl Acetate	7.25	43	87369	35.778	ug/l	99
38) Carbon Tetrachloride	8.07	117	198784	51.539	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082719\
 Data File : VW012218.D
 Acq On : 27 Aug 2019 17:44
 Operator : SY/VA
 Sample : K4551-20MSD
 Misc : 5.79G/5ML/MSVOA_W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 S402-K1-1.0-1.5-082619MSD

Quant Time: Aug 28 04:58:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	251646	50.267	ug/l	99
40) Benzene	8.32	78	651274	53.523	ug/l	100
41) Methacrylonitrile	7.48	41	76227	53.112	ug/l	99
42) 1,2-Dichloroethane	8.40	62	200779	52.648	ug/l	99
43) Isopropyl Acetate	8.42	43	190654	42.150	ug/l	96
44) Trichloroethene	9.09	130	157881	53.374	ug/l	99
45) 1,2-Dichloropropane	9.37	63	176721	53.964	ug/l	98
46) Dibromomethane	9.46	93	78319	53.752	ug/l	98
47) Bromodichloromethane	9.64	83	210215	54.209	ug/l	96
48) Methyl methacrylate	9.43	41	143069	66.456	ug/l	98
49) 1,4-Dioxane	9.46	88	21838	979.026	ug/l #	79
51) 4-Methyl-2-Pentanone	10.21	43	628753	273.291	ug/l	100
52) Toluene	10.38	92	393888	53.884	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	218762	55.382	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	262735	55.087	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	112953	54.791	ug/l	99
56) Ethyl methacrylate	10.65	69	121164	40.383	ug/l	100
57) 1,3-Dichloropropane	10.93	76	211654	54.329	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	388807	252.494	ug/l	100
59) 2-Hexanone	10.97	43	412506	253.402	ug/l	99
60) Dibromochloromethane	11.13	129	127466	55.512	ug/l	100
61) 1,2-Dibromoethane	11.23	107	104823	54.579	ug/l	99
64) Tetrachloroethene	10.86	164	124195	51.916	ug/l	98
65) Chlorobenzene	11.66	112	390265	53.714	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	140071	55.262	ug/l	99
67) Ethyl Benzene	11.73	91	756222	54.031	ug/l	99
68) m/p-Xylenes	11.84	106	542805	107.667	ug/l	99
69) o-Xylene	12.16	106	257071	55.094	ug/l	98
70) Styrene	12.18	104	439442	54.410	ug/l	100
71) Bromoform	12.35	173	70266	55.641	ug/l #	99
73) Isopropylbenzene	12.46	105	704579	56.274	ug/l	99
74) N-amyl acetate	12.27	43	105627	27.923	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	129548	56.438	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	171953	105.663	ug/l #	100
77) Bromobenzene	12.74	156	153789	56.776	ug/l	98
78) n-propylbenzene	12.80	91	837597	54.798	ug/l	99
79) 2-Chlorotoluene	12.89	91	477738	55.051	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	580815	55.516	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	43192	58.192	ug/l	95
82) 4-Chlorotoluene	12.99	91	497042	54.701	ug/l	100
83) tert-Butylbenzene	13.21	119	498836	56.287	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	577440	54.944	ug/l	100
85) sec-Butylbenzene	13.38	105	683320	53.818	ug/l	100
86) p-Isopropyltoluene	13.50	119	607924	53.613	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	286454	54.067	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	280600	53.340	ug/l	99
89) n-Butylbenzene	13.82	91	574202	50.923	ug/l	100
90) Hexachloroethane	14.09	117	107739	54.157	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	255723	55.020	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	21836	56.429	ug/l	97

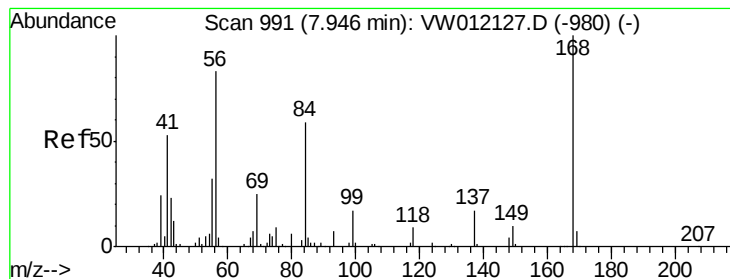
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082719\
Data File : VW012218.D
Acq On : 27 Aug 2019 17:44
Operator : SY/VA
Sample : K4551-20MSD
Misc : 5.79G/5ML/MSVOA_W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
S402-K1-1.0-1.5-082619MSD

Quant Time: Aug 28 04:58:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	160342	49.921	ug/l	99
94) Hexachlorobutadiene	15.24	225	93541	44.106	ug/l	98
95) Naphthalene	15.36	128	317803	50.387	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	138777	49.522	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

Instrument :

MSVOA_W

ClientSampleId :

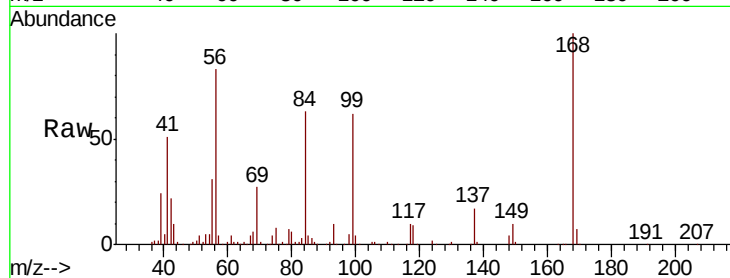
S402-K1-1.0-1.5-082619MSD

Tgt Ion:168 Resp: 258752

Ion Ratio Lower Upper

168 100

99 61.8 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

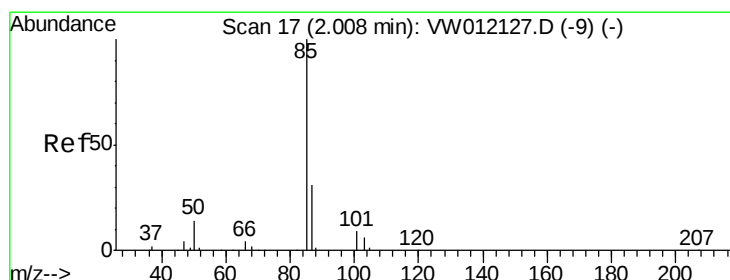
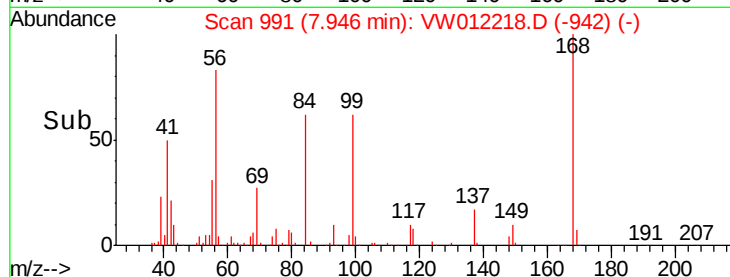
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 49.959 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW012218.D

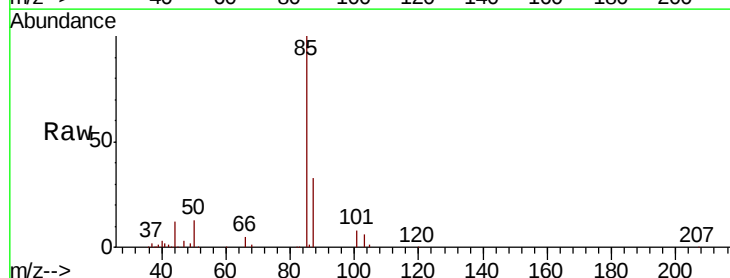
Acq: 27 Aug 2019 17:44

Tgt Ion: 85 Resp: 79596

Ion Ratio Lower Upper

85 100

87 33.0 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

30000

25000

20000

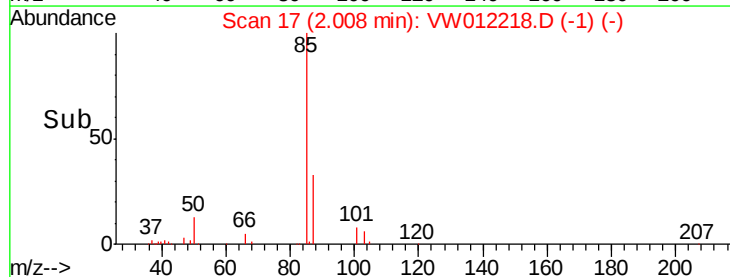
15000

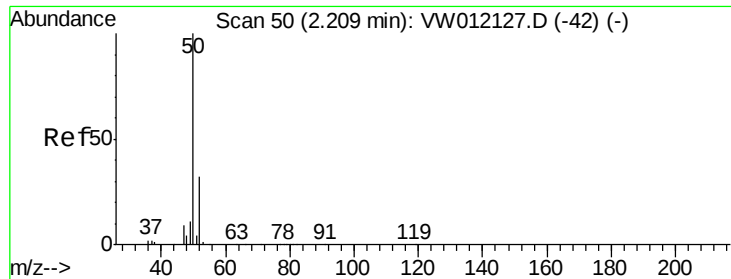
10000

5000

0

Time--> 1.90 2.00 2.10 2.20

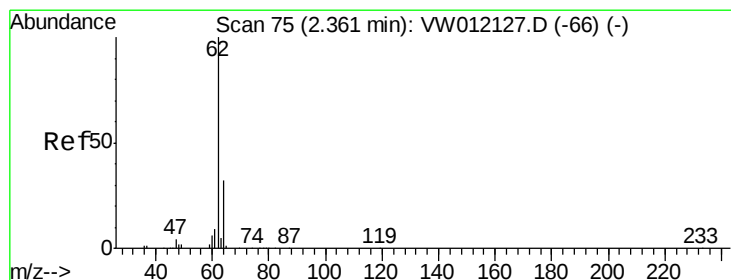
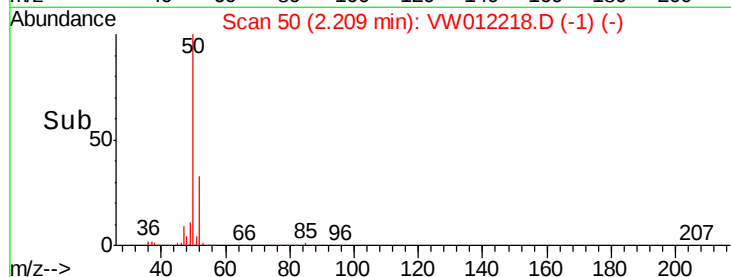
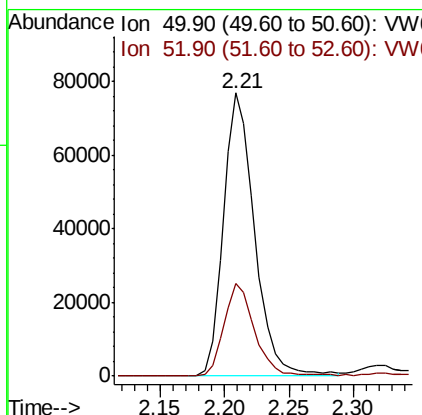
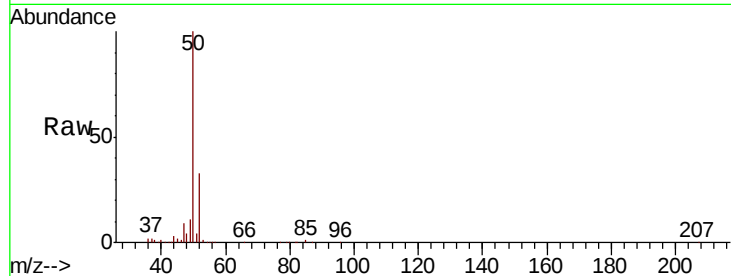




#3
Chloromethane
Concen: 52.501 ug/l
RT: 2.21 min Scan# 50
Delta R.T. 0.00 min
Lab File: VW012218.D
Acq: 27 Aug 2019 17:44

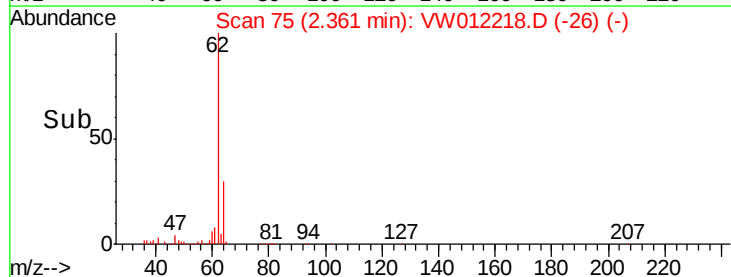
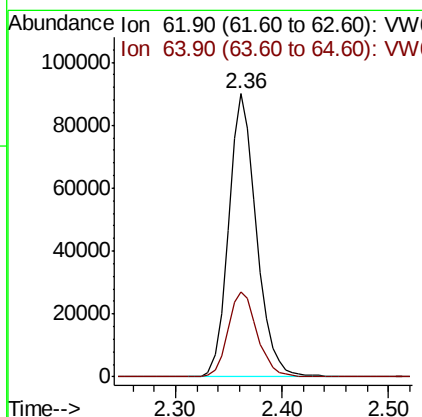
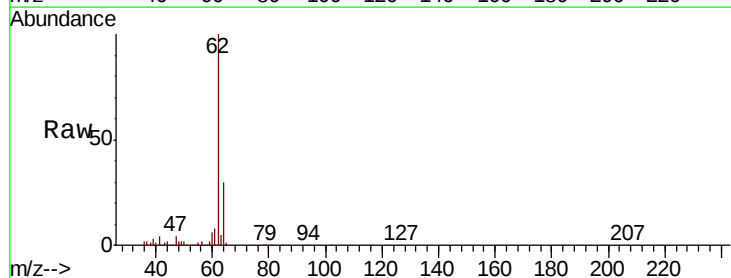
Instrument :
MSVOA_W
ClientSampleId :
S402-K1-1.0-1.5-082619MSD

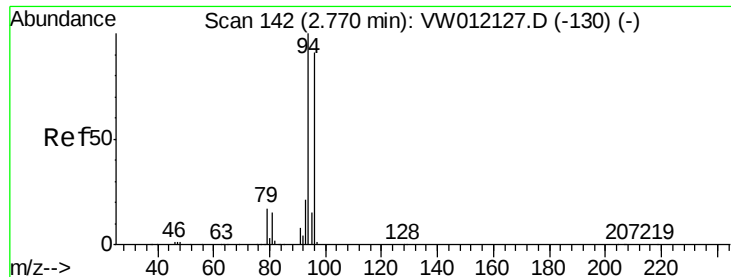
Tgt Ion: 50 Resp: 129591
Ion Ratio Lower Upper
50 100
52 32.6 25.5 38.3



#4
Vinyl Chloride
Concen: 54.372 ug/l
RT: 2.36 min Scan# 75
Delta R.T. 0.00 min
Lab File: VW012218.D
Acq: 27 Aug 2019 17:44

Tgt Ion: 62 Resp: 164269
Ion Ratio Lower Upper
62 100
64 30.2 25.3 37.9





#5

Bromomethane

Concen: 53.268 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

Instrument :

MSVOA_W

ClientSampleId :

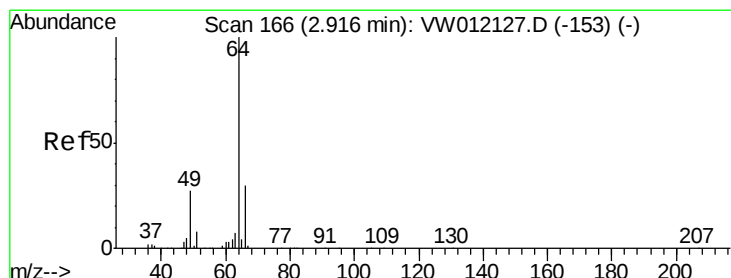
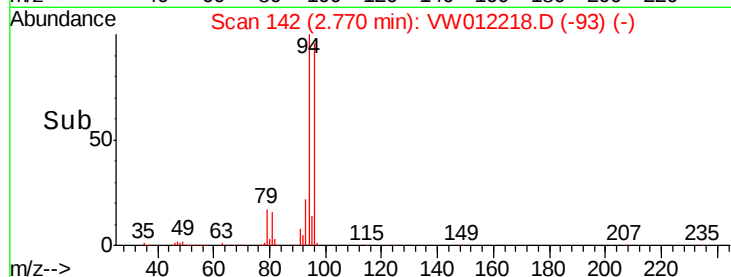
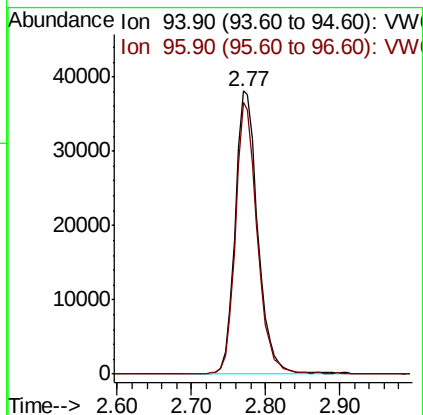
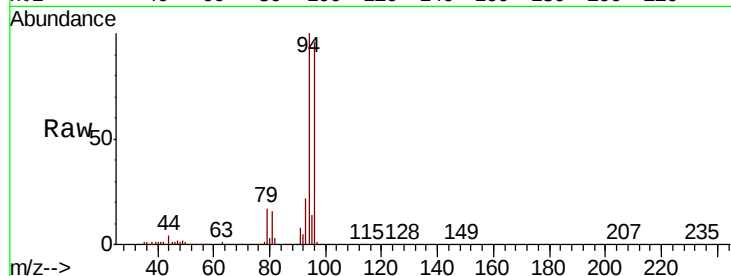
S402-K1-1.0-1.5-082619MSD

Tgt Ion: 94 Resp: 81503

Ion Ratio Lower Upper

94 100

96 95.9 72.9 109.3



#6

Chloroethane

Concen: 55.977 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW012218.D

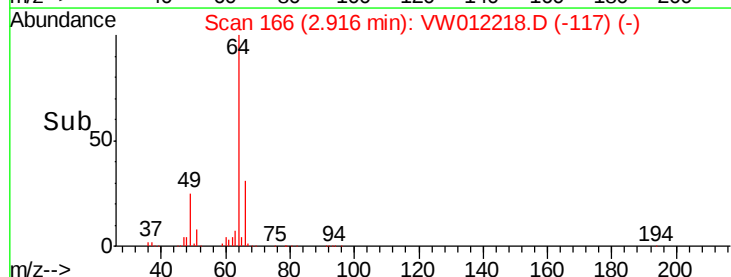
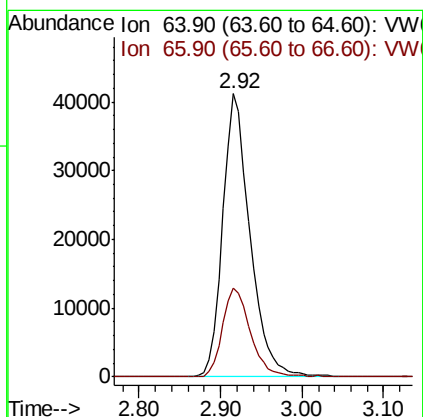
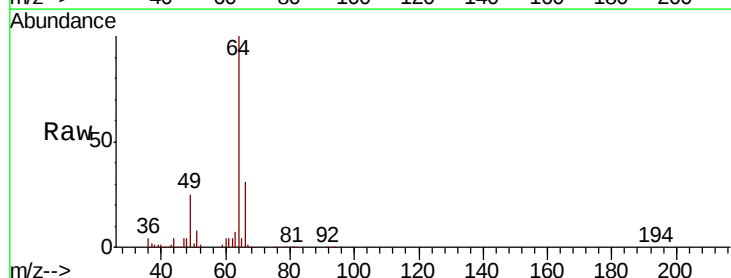
Acq: 27 Aug 2019 17:44

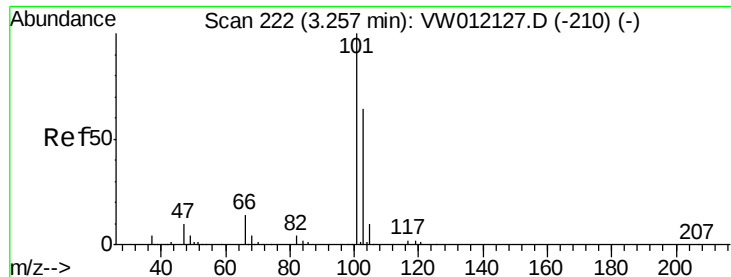
Tgt Ion: 64 Resp: 95403

Ion Ratio Lower Upper

64 100

66 31.2 23.8 35.8



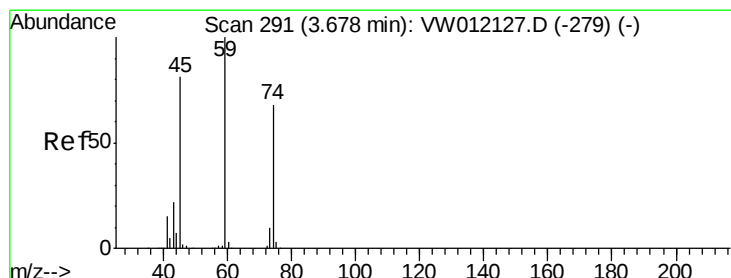
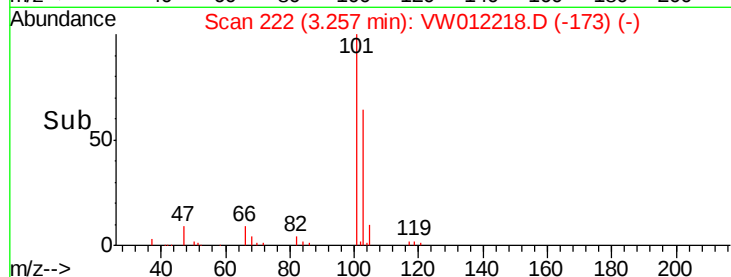
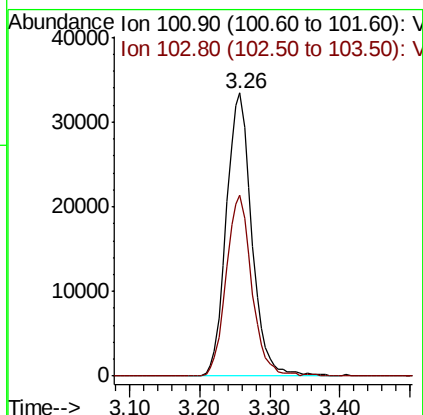
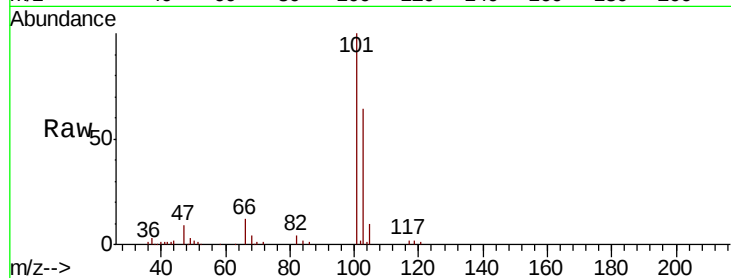


#7

Trichlorofluoromethane
 Concen: 55.961 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW012218.D
 Acq: 27 Aug 2019 17:44

Instrument :
 MSVOA_W
 ClientSampleId :
 S402-K1-1.0-1.5-082619MSD

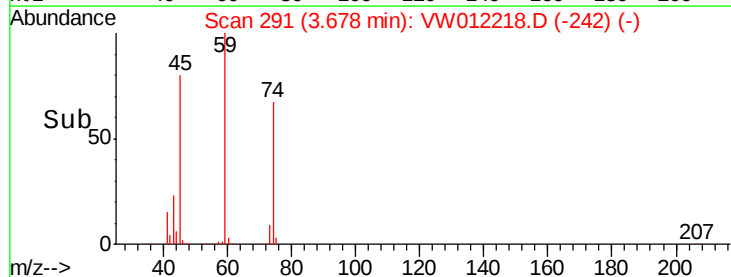
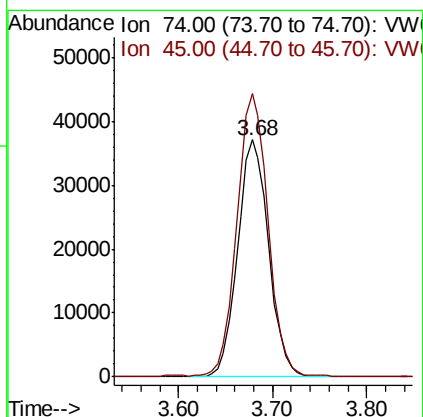
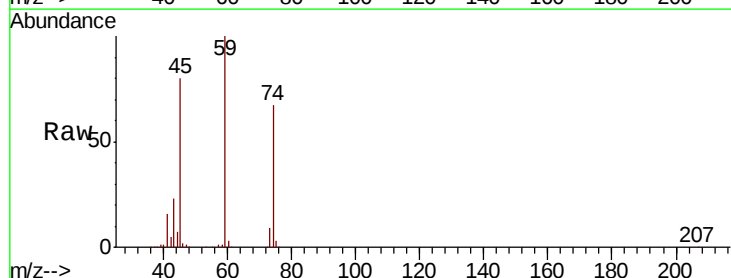
Tgt Ion:101 Resp: 84894
 Ion Ratio Lower Upper
 101 100
 103 63.9 51.2 76.8

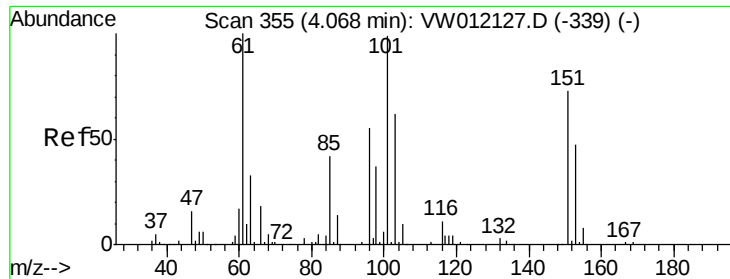


#8

Diethyl Ether
 Concen: 59.249 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW012218.D
 Acq: 27 Aug 2019 17:44

Tgt Ion: 74 Resp: 85316
 Ion Ratio Lower Upper
 74 100
 45 118.9 59.2 177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.293 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

Instrument :

MSVOA_W

ClientSampleId :

S402-K1-1.0-1.5-082619MSD

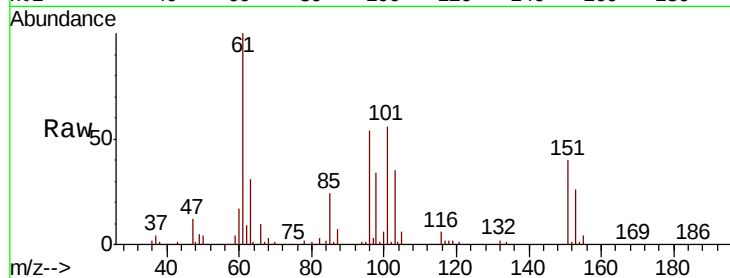
Tgt Ion:101 Resp: 132267

Ion Ratio Lower Upper

101 100

85 45.1 35.8 53.6

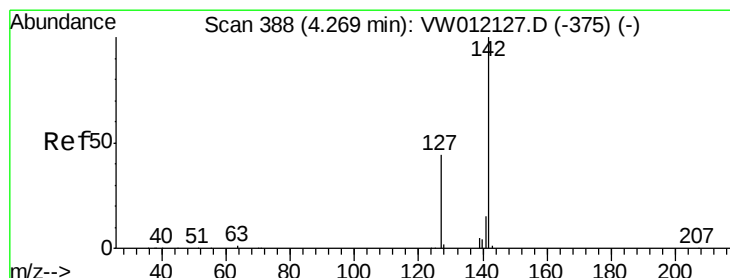
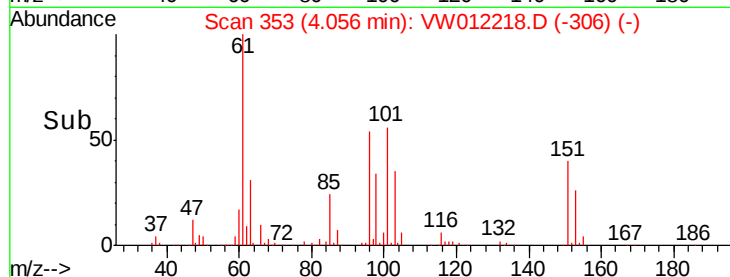
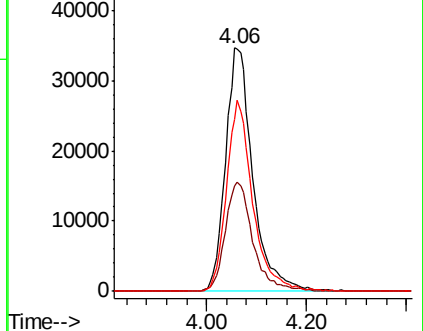
151 75.1 58.6 87.8



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: 55.131 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

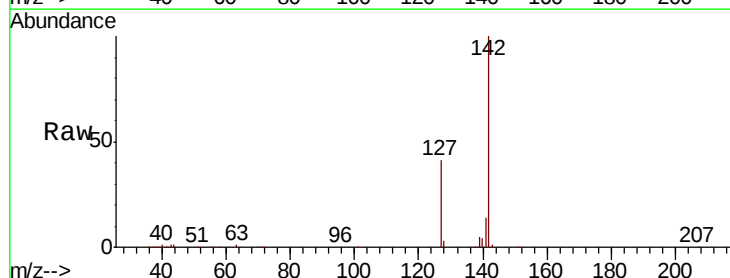
Tgt Ion:142 Resp: 192351

Ion Ratio Lower Upper

142 100

127 43.2 35.5 53.3

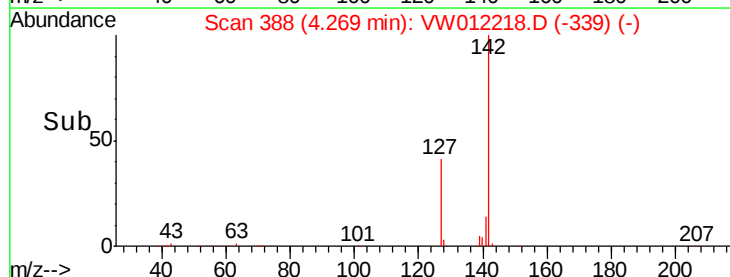
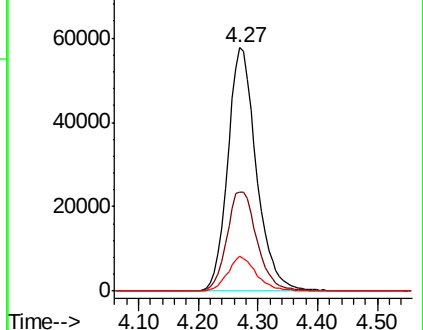
141 14.3 11.8 17.8

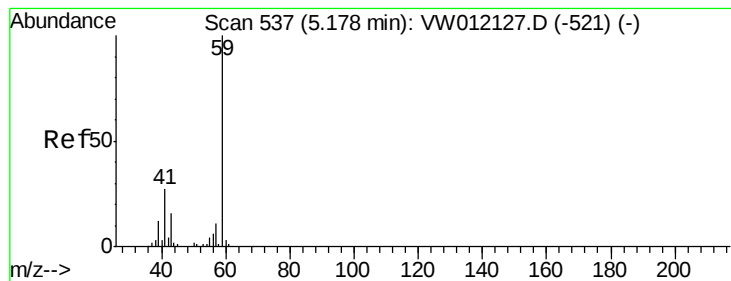


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



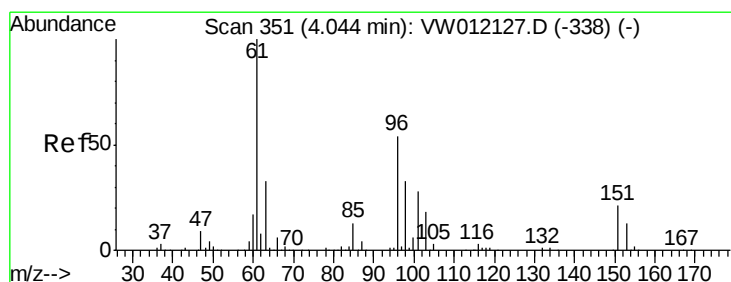
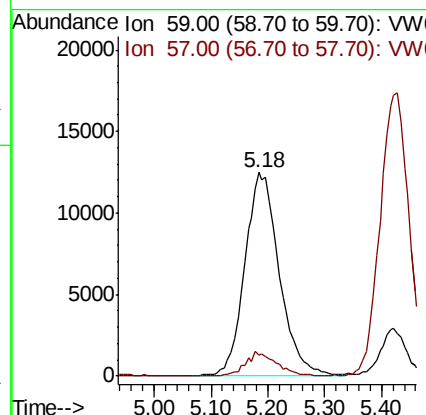
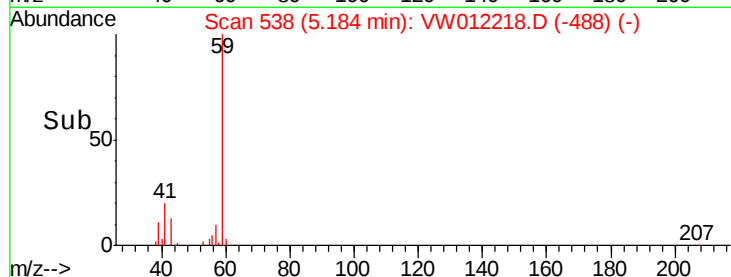
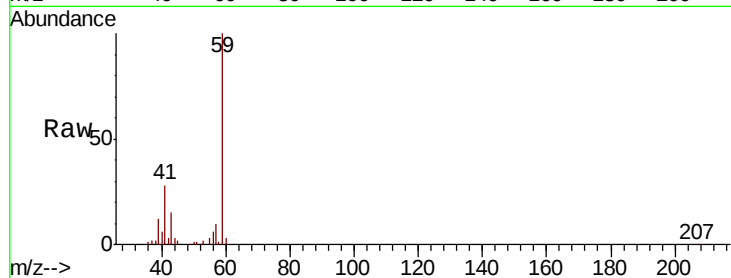


#11

Tert butyl alcohol
Concen: 284.224 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW012218.D
Acq: 27 Aug 2019 17:44

Instrument :
MSVOA_W
ClientSampleId :
S402-K1-1.0-1.5-082619MSD

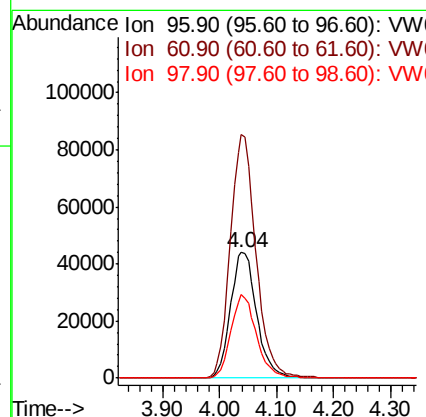
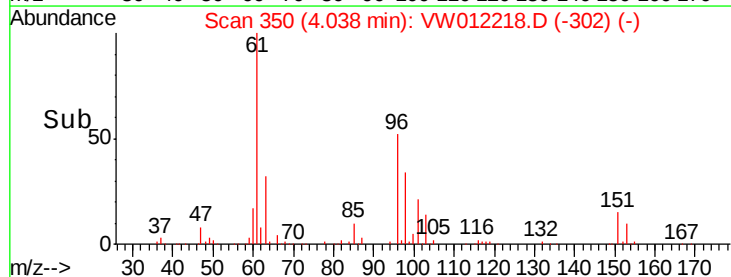
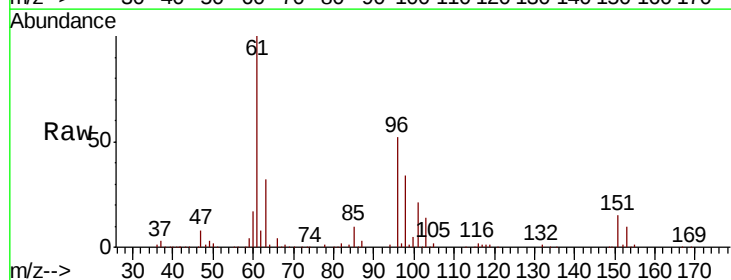
Tgt Ion: 59 Resp: 52612
Ion Ratio Lower Upper
59 100
57 10.9 9.0 13.4

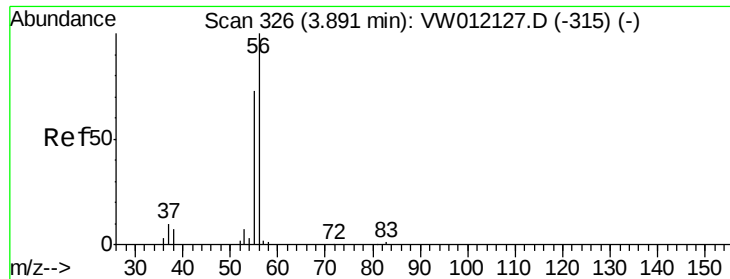


#12

1,1-Dichloroethene
Concen: 54.590 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW012218.D
Acq: 27 Aug 2019 17:44

Tgt Ion: 96 Resp: 141684
Ion Ratio Lower Upper
96 100
61 194.0 149.1 223.7
98 66.5 49.4 74.2





#13

Acrolein

Concen: 103.078 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

Instrument :

MSVOA_W

ClientSampleId :

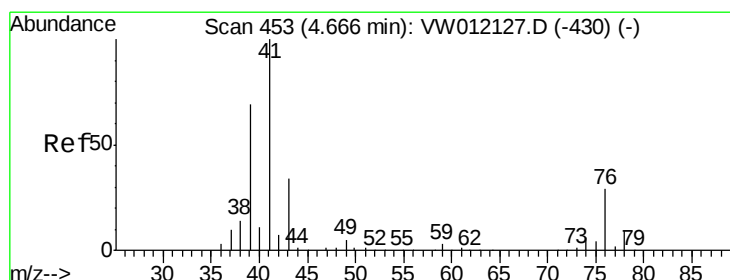
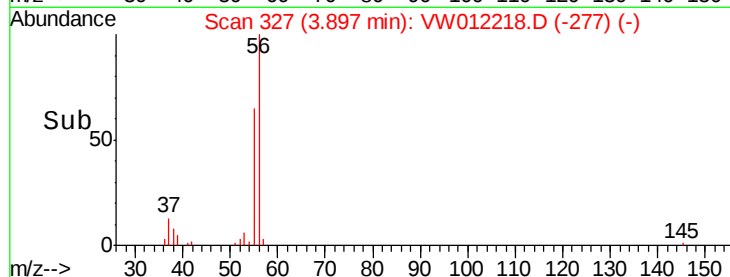
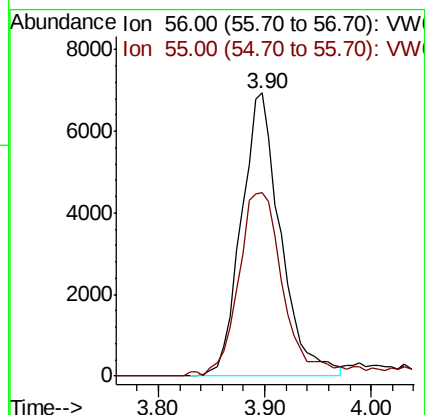
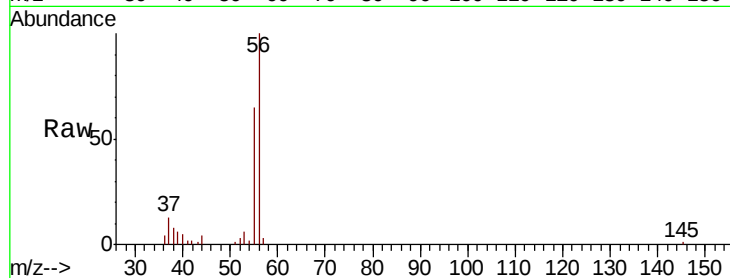
S402-K1-1.0-1.5-082619MSD

Tgt Ion: 56 Resp: 17961

Ion Ratio Lower Upper

56 100

55 73.5 55.8 83.8



#14

Allyl chloride

Concen: 57.001 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

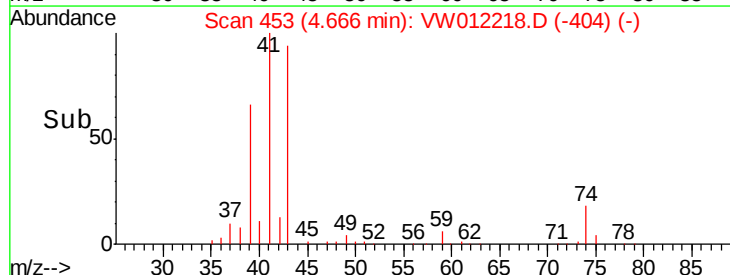
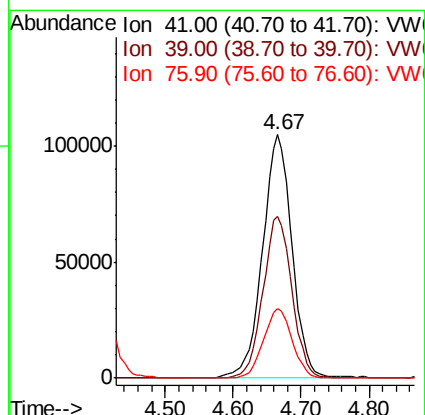
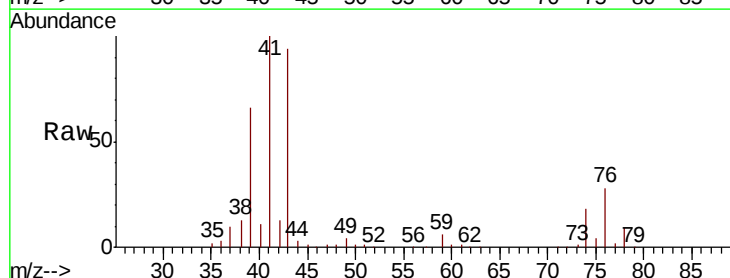
Tgt Ion: 41 Resp: 316276

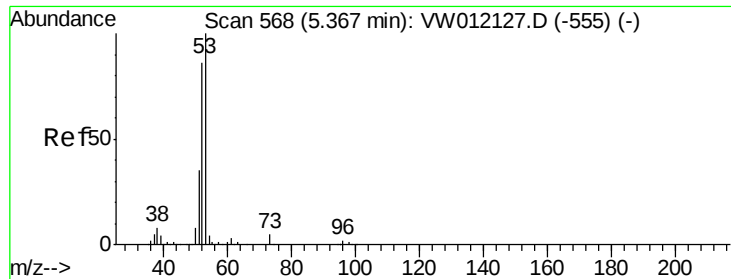
Ion Ratio Lower Upper

41 100

39 65.7 53.4 80.2

76 27.6 22.1 33.1





#15

Acrylonitrile

Concen: 275.397 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

Instrument :

MSVOA_W

ClientSampleId :

S402-K1-1.0-1.5-082619MSD

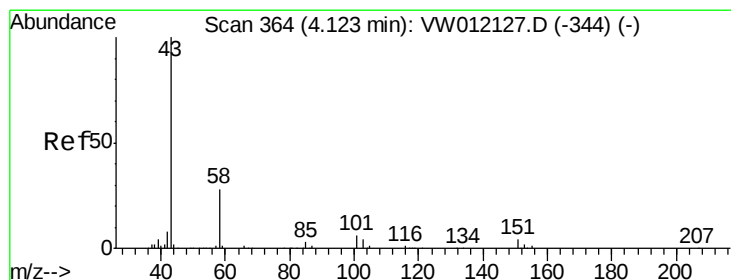
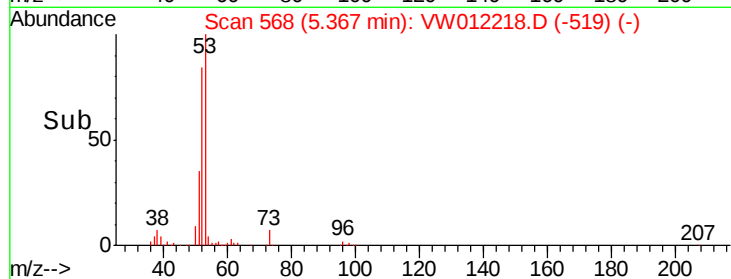
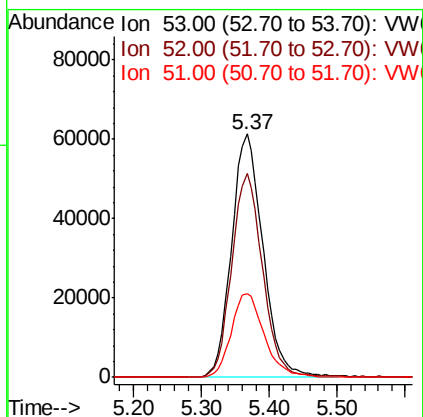
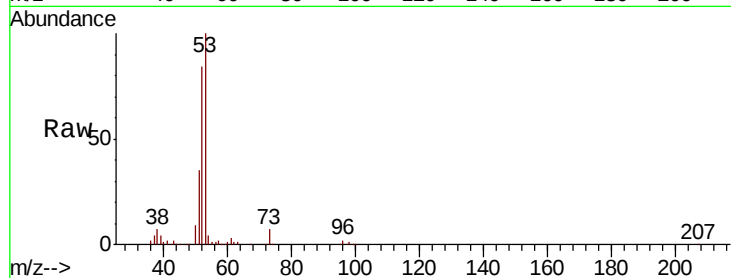
Tgt Ion: 53 Resp: 196558

Ion Ratio Lower Upper

53 100

52 82.4 66.7 100.1

51 36.4 30.1 45.1



#16

Acetone

Concen: 269.376 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW012218.D

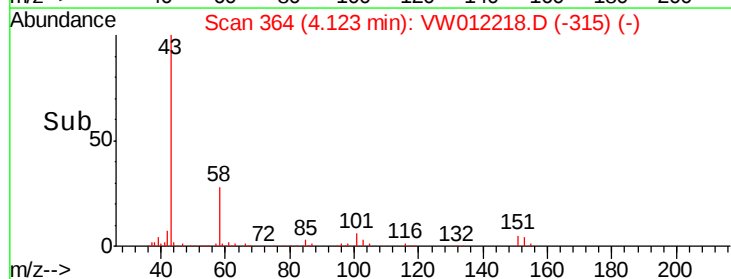
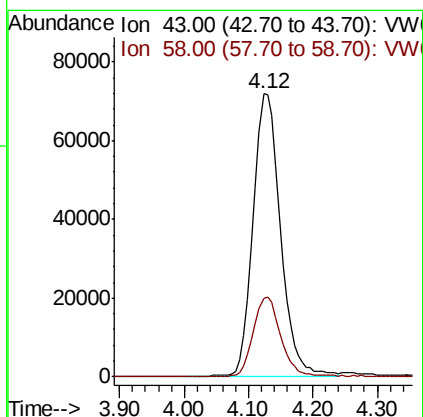
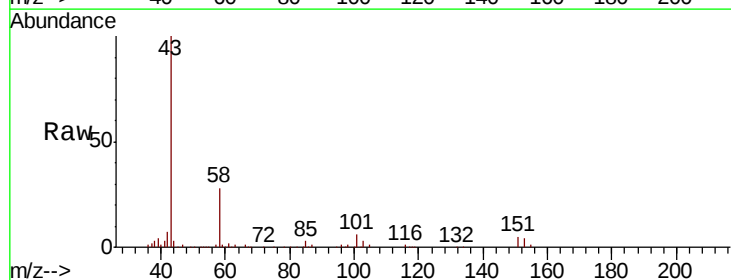
Acq: 27 Aug 2019 17:44

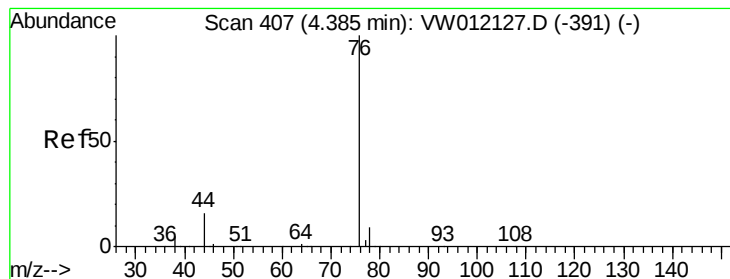
Tgt Ion: 43 Resp: 211803

Ion Ratio Lower Upper

43 100

58 27.4 22.4 33.6





#17

Carbon Disulfide

Concen: 54.592 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

Instrument :

MSVOA_W

ClientSampleId :

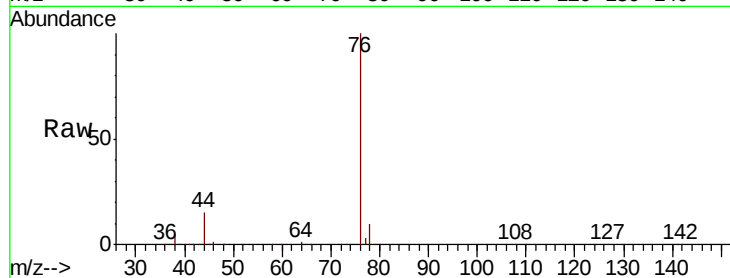
S402-K1-1.0-1.5-082619MSD

Tgt Ion: 76 Resp: 428213

Ion Ratio Lower Upper

76 100

78 9.6 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

150000

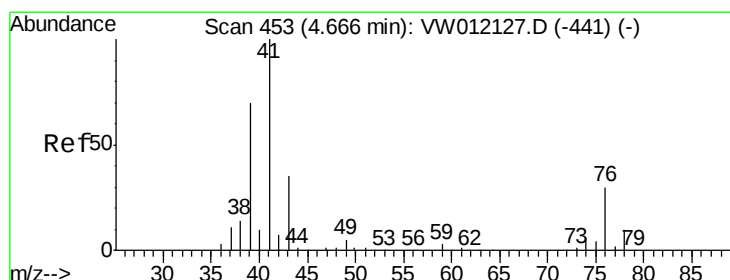
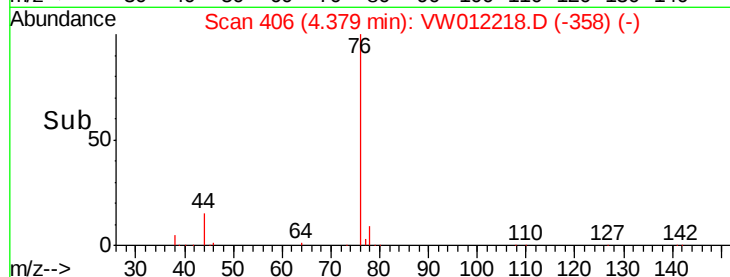
100000

50000

0

4.20 4.30 4.40 4.50 4.60

Time-->



#18

Methyl Acetate

Concen: 150.603 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW012218.D

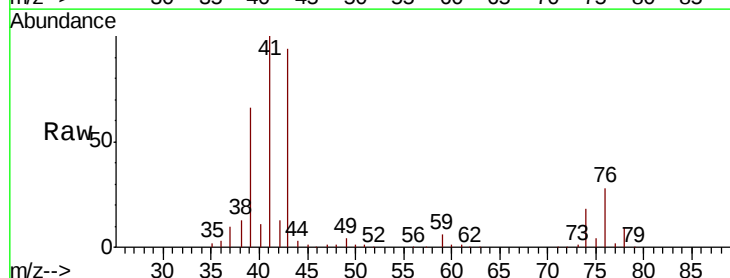
Acq: 27 Aug 2019 17:44

Tgt Ion: 43 Resp: 293292

Ion Ratio Lower Upper

43 100

74 19.4 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

100000

80000

60000

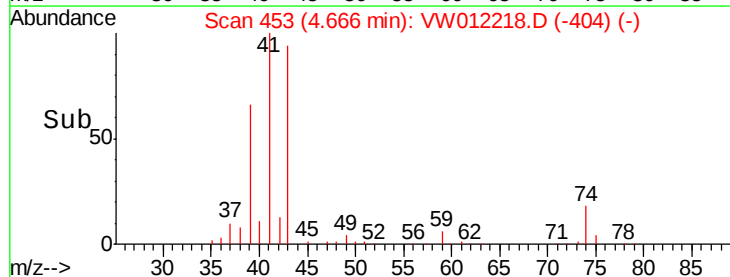
40000

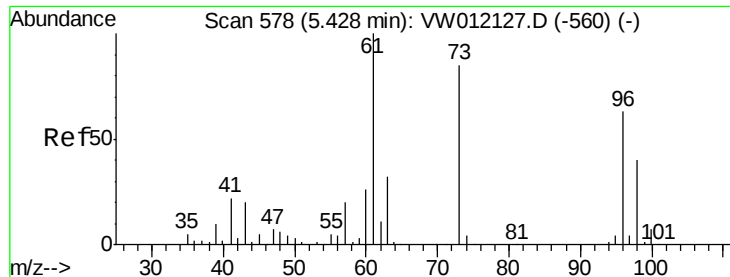
20000

0

4.50 4.60 4.70 4.80 4.90

Time-->

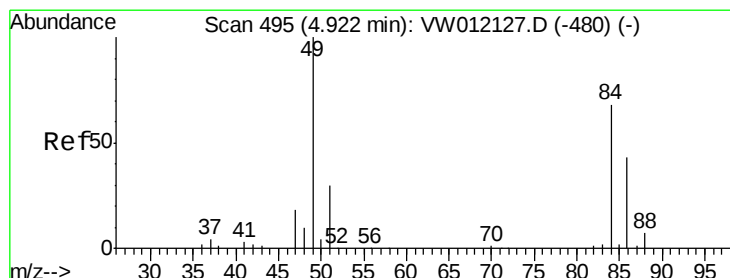
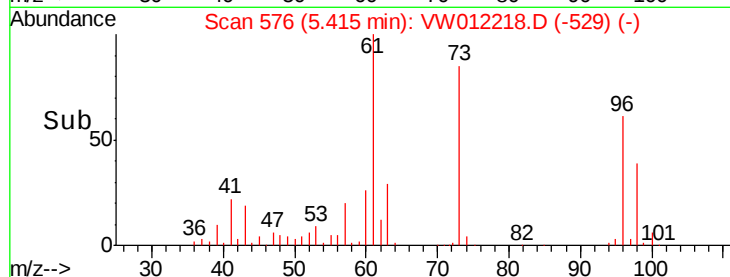
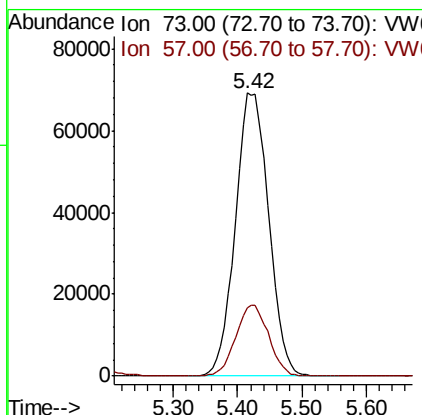
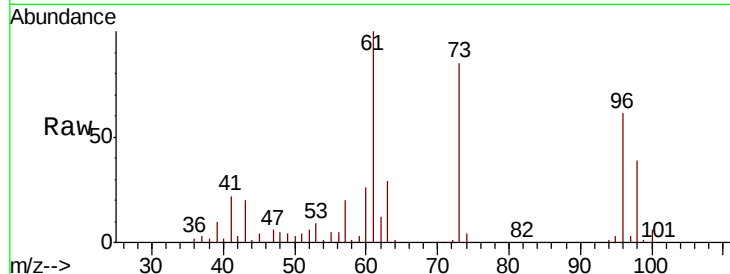




#19
Methyl tert-butyl Ether
Concen: 59.115 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW012218.D
Acq: 27 Aug 2019 17:44

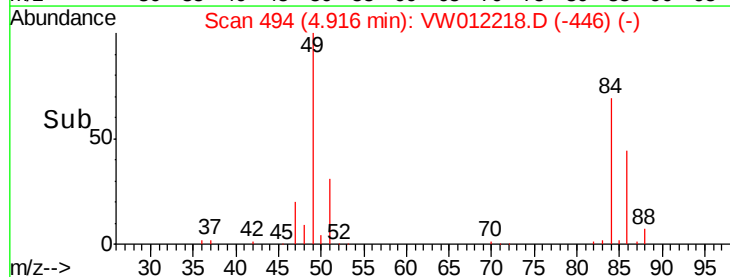
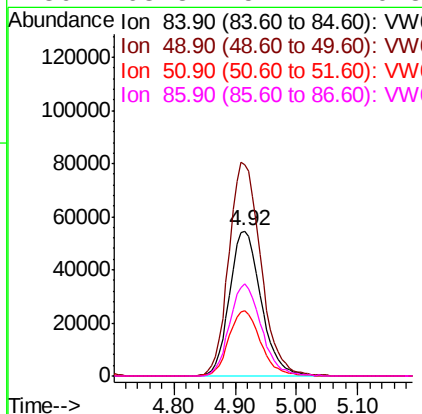
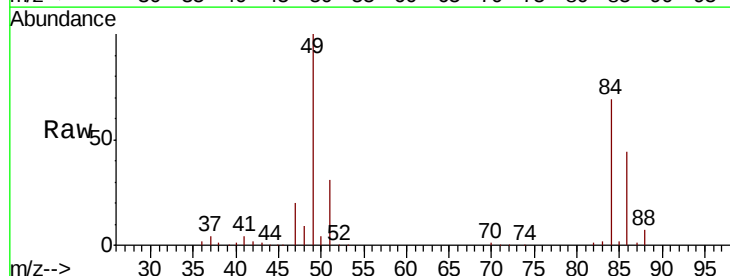
Instrument :
MSVOA_W
ClientSampleId :
S402-K1-1.0-1.5-082619MSD

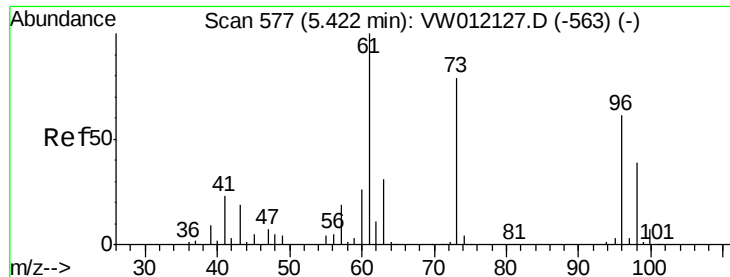
Tgt Ion: 73 Resp: 248118
Ion Ratio Lower Upper
73 100
57 24.0 18.9 28.3



#20
Methylene Chloride
Concen: 65.769 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012218.D
Acq: 27 Aug 2019 17:44

Tgt Ion: 84 Resp: 195492
Ion Ratio Lower Upper
84 100
49 145.6 117.8 176.8
51 45.4 35.6 53.4
86 63.8 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 55.793 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

Instrument :

MSVOA_W

ClientSampleId :

S402-K1-1.0-1.5-082619MSD

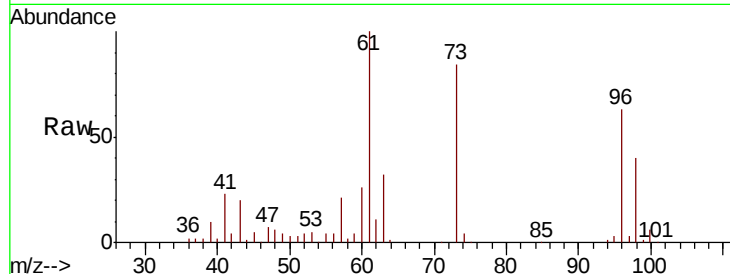
Tgt Ion: 96 Resp: 155282

Ion Ratio Lower Upper

96 100

61 159.1 131.4 197.0

98 63.4 51.4 77.0

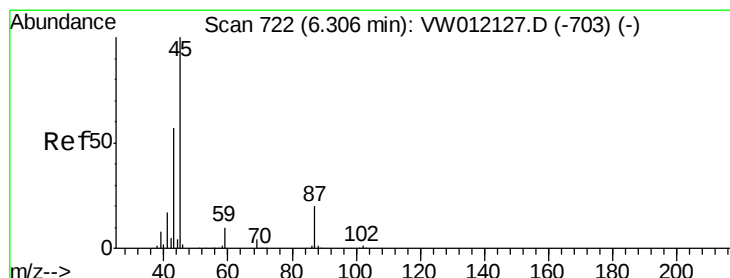
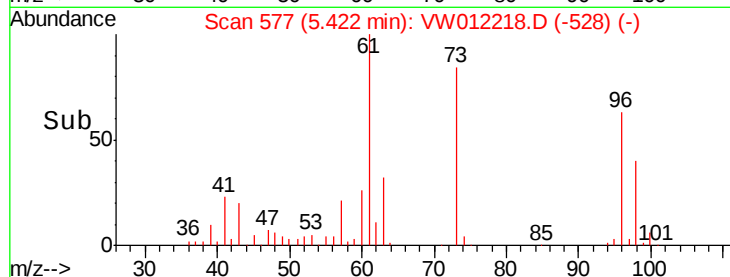
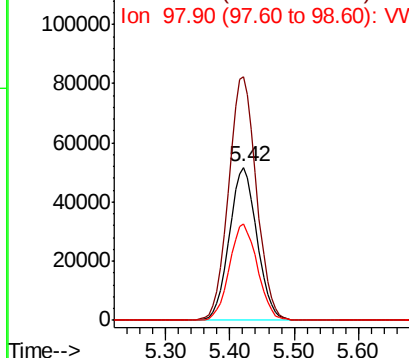


Abundance

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: 57.265 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

Tgt Ion: 45 Resp: 588956

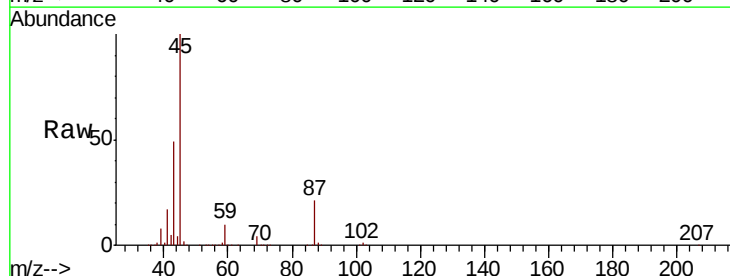
Ion Ratio Lower Upper

45 100

43 48.7 45.5 68.3

87 20.5 16.1 24.1

59 9.9 8.2 12.2



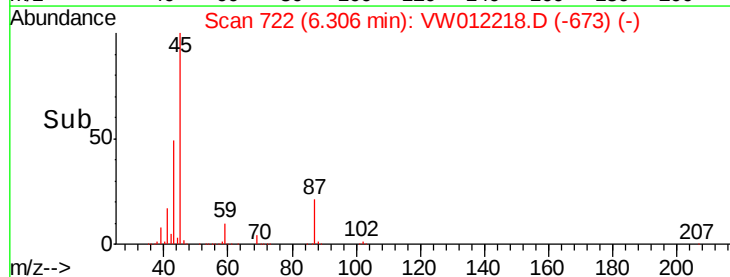
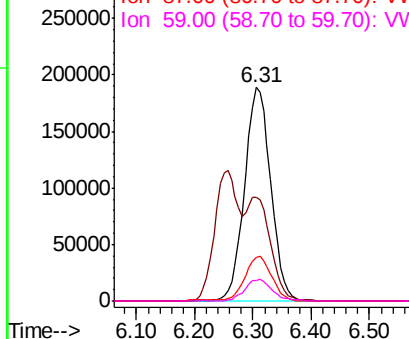
Abundance

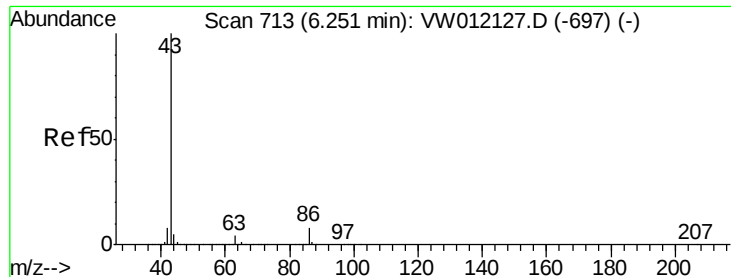
Ion 45.00 (44.70 to 45.70): VW

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: 52.233 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

Instrument :

MSVOA_W

ClientSampleId :

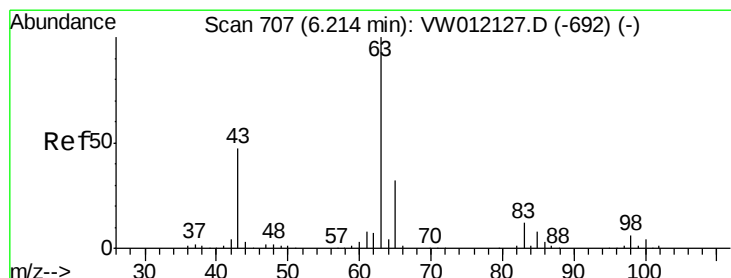
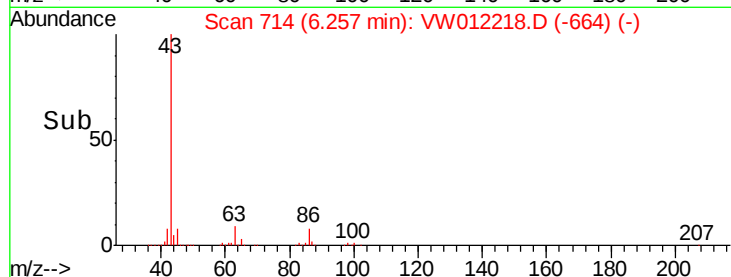
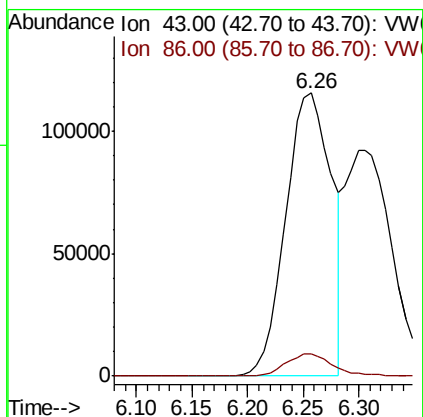
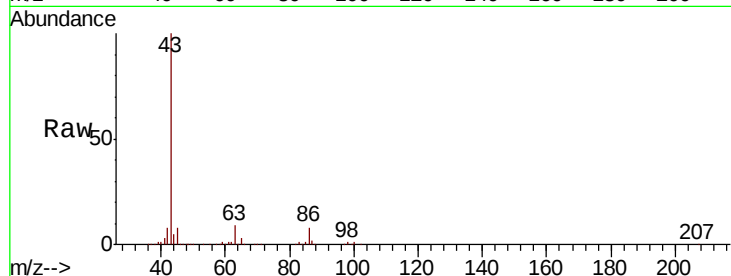
S402-K1-1.0-1.5-082619MSD

Tgt Ion: 43 Resp: 330607

Ion Ratio Lower Upper

43 100

86 8.0 6.5 9.7



#24

1,1-Dichloroethane

Concen: 55.971 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

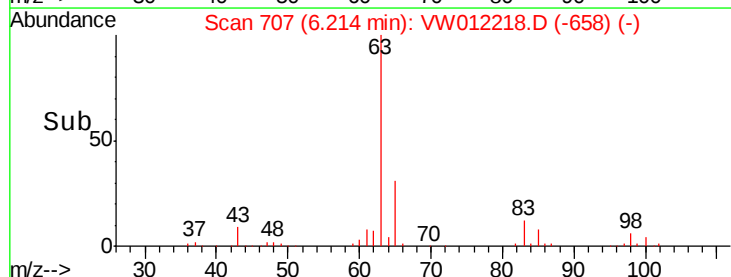
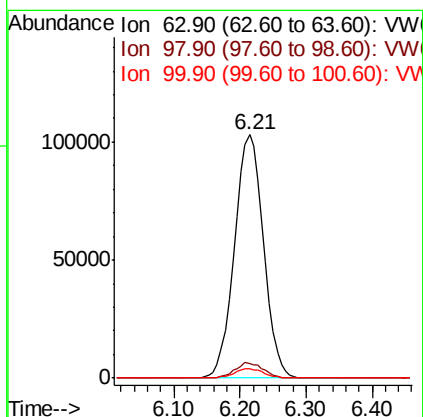
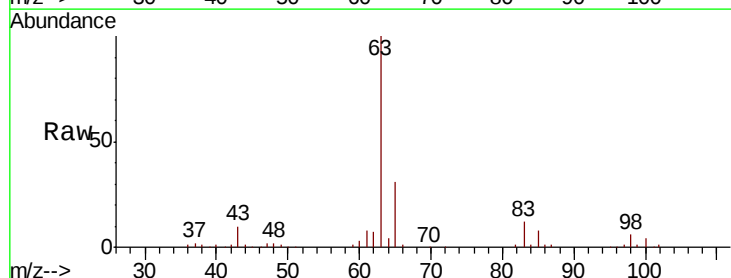
Tgt Ion: 63 Resp: 313433

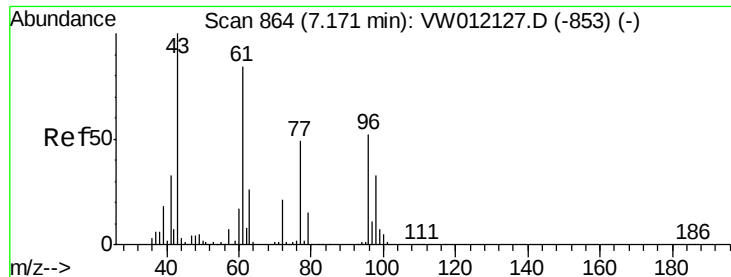
Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.2

100 3.8 2.0 6.0





#25

2-Butanone

Concen: 251.791 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

Instrument :

MSVOA_W

ClientSampleId :

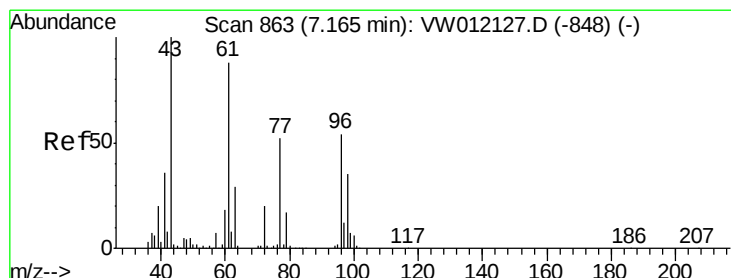
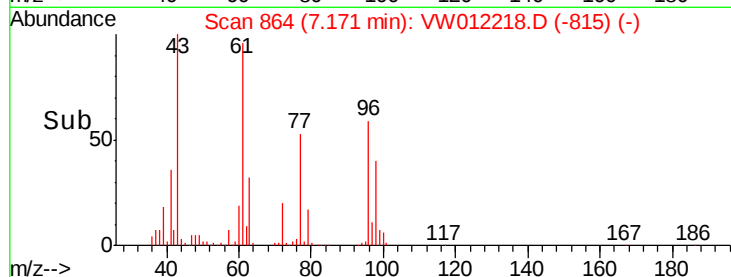
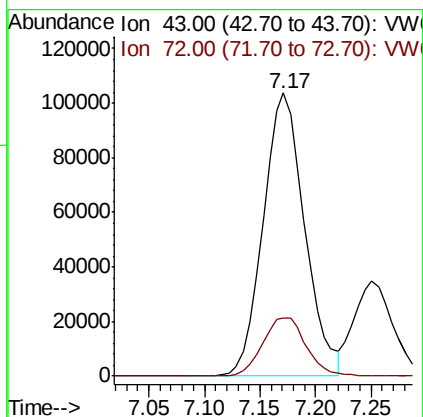
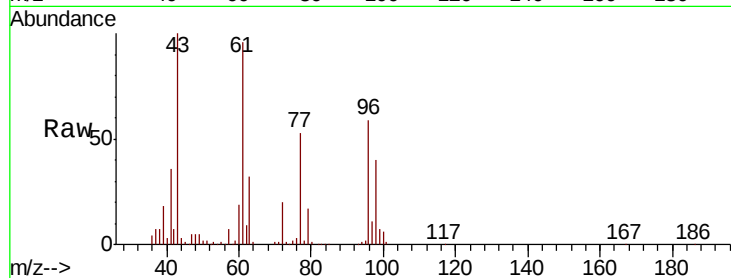
S402-K1-1.0-1.5-082619MSD

Tgt Ion: 43 Resp: 269027

Ion Ratio Lower Upper

43 100

72 20.5 16.6 24.8



#26

2,2-Dichloropropane

Concen: 53.128 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW012218.D

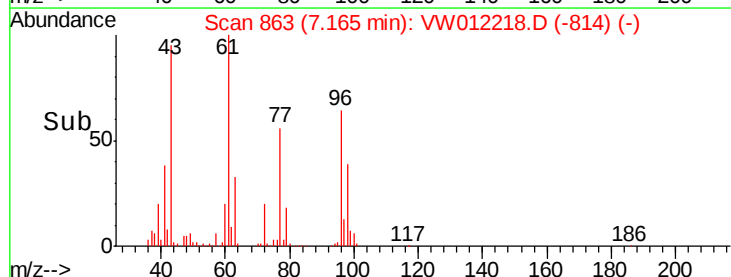
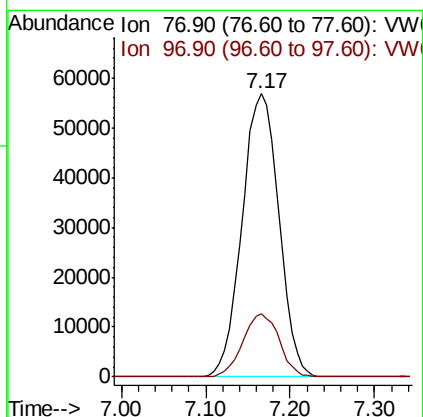
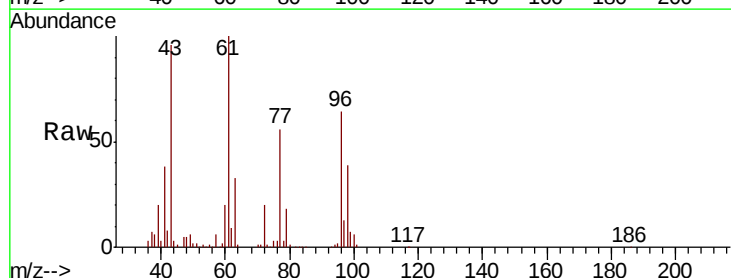
Acq: 27 Aug 2019 17:44

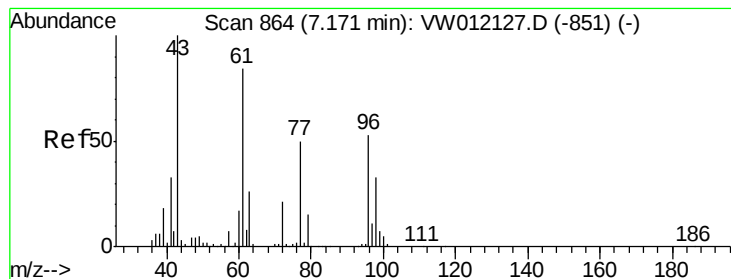
Tgt Ion: 77 Resp: 168396

Ion Ratio Lower Upper

77 100

97 22.0 11.1 33.1



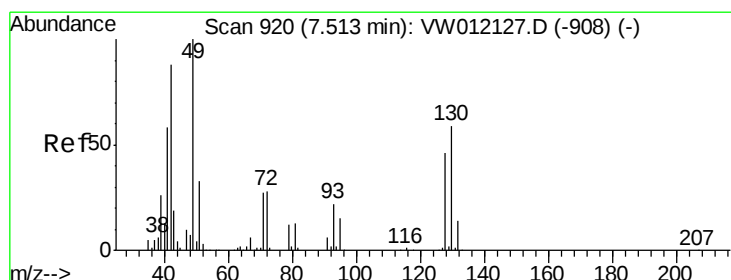
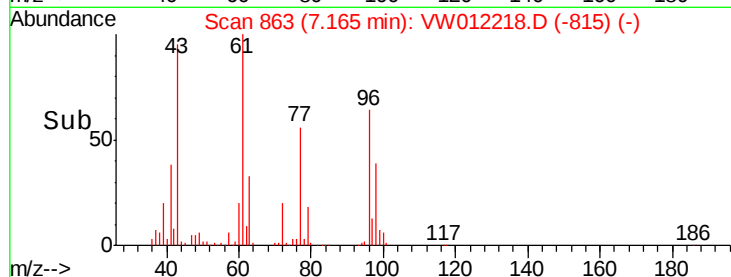
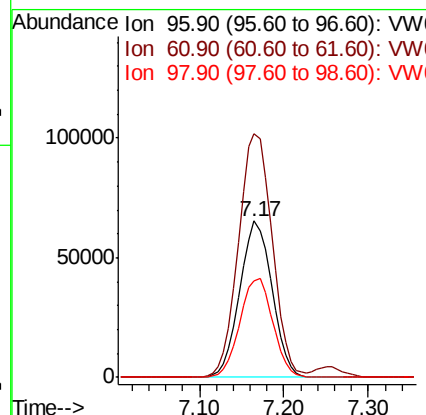
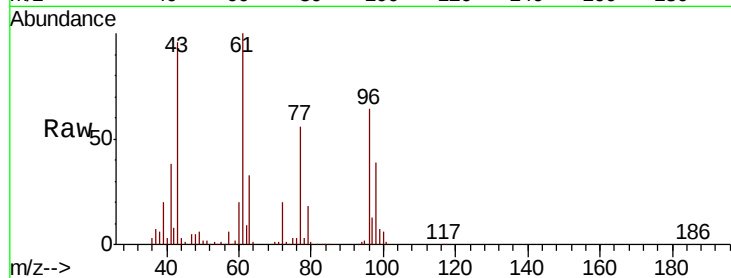


#27

cis-1,2-Dichloroethene
Concen: 57.058 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012218.D
Acq: 27 Aug 2019 17:44

Instrument :
MSVOA_W
ClientSampleId :
S402-K1-1.0-1.5-082619MSD

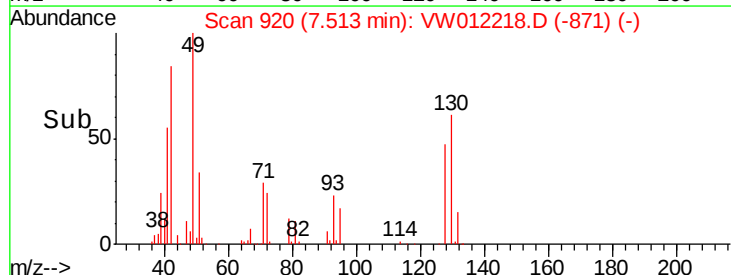
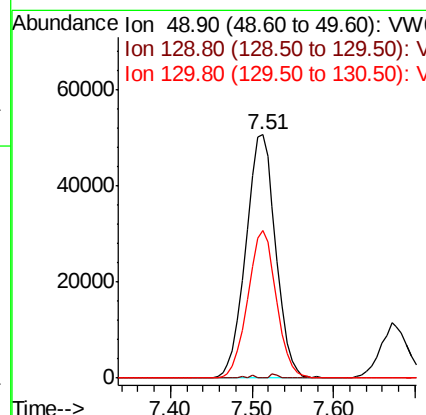
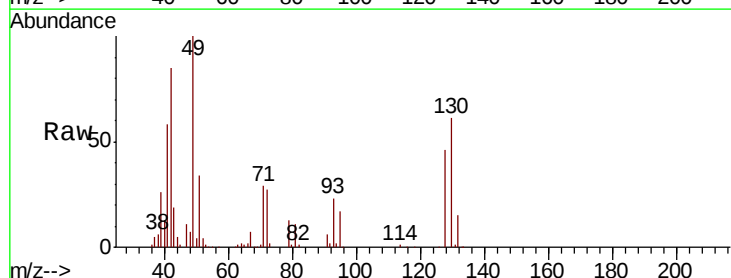
Tgt Ion	Resp	Lower	Upper
96	169668		
Ion Ratio			
96	100		
61	162.7	0.0	326.6
98	64.3	0.0	127.4

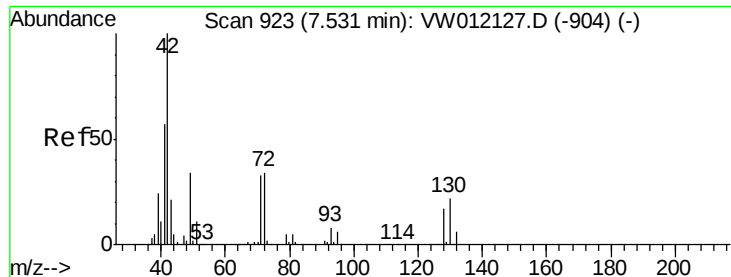


#28

Bromochloromethane
Concen: 52.747 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW012218.D
Acq: 27 Aug 2019 17:44

Tgt Ion	Resp	Lower	Upper
49	128741		
Ion Ratio			
49	100		
129	0.4	0.0	1.4
130	57.8	45.5	68.3

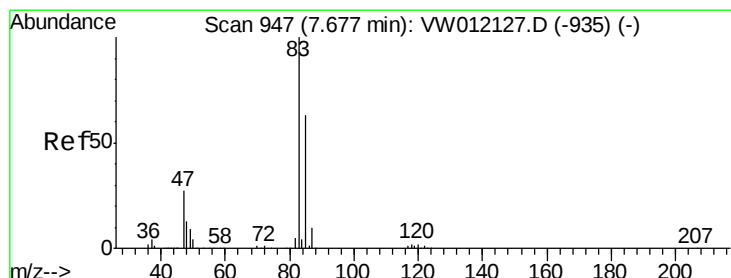
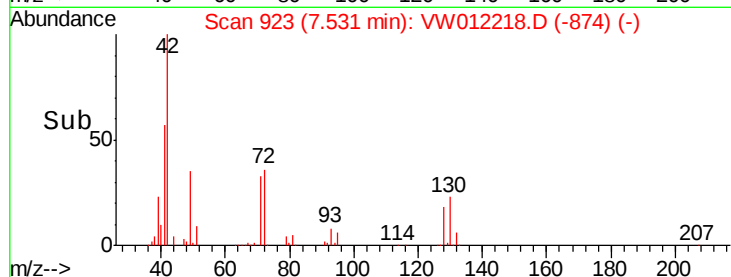
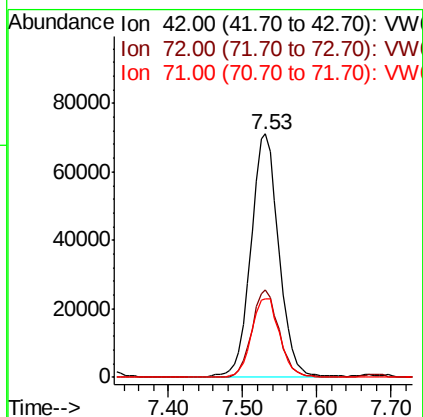
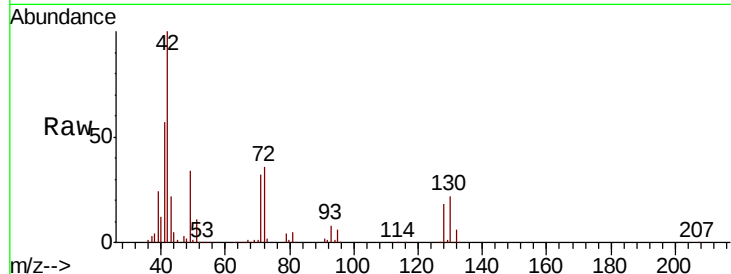




#29
Tetrahydrofuran
Concen: 291.428 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW012218.D
Acq: 27 Aug 2019 17:44

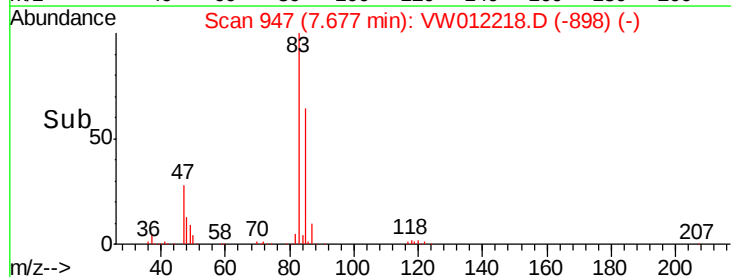
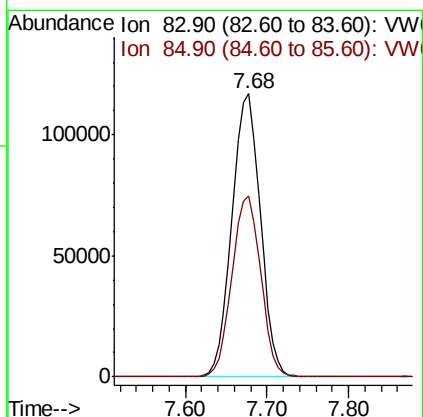
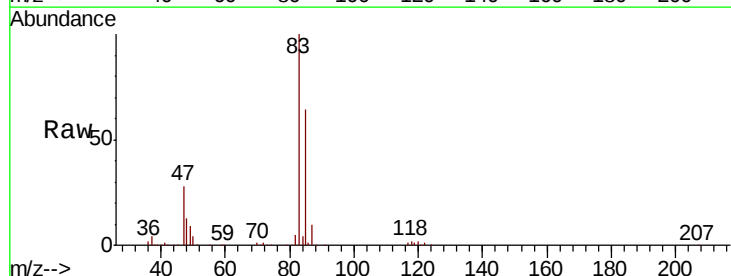
Instrument :
MSVOA_W
ClientSampleId :
S402-K1-1.0-1.5-082619MSD

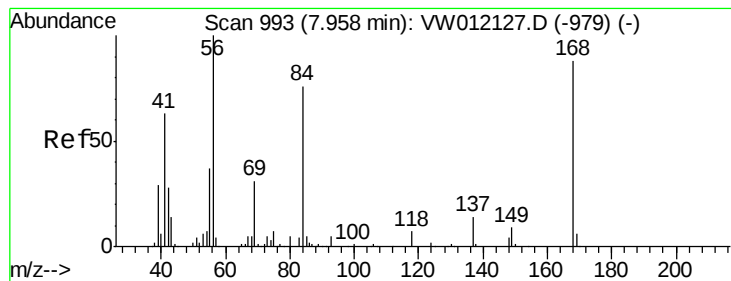
Tgt Ion: 42 Resp: 186813
Ion Ratio Lower Upper
42 100
72 34.8 27.3 40.9
71 32.9 25.5 38.3



#30
Chloroform
Concen: 55.153 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW012218.D
Acq: 27 Aug 2019 17:44

Tgt Ion: 83 Resp: 282569
Ion Ratio Lower Upper
83 100
85 63.7 50.6 76.0





#31

Cyclohexane

Concen: 49.958 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

Instrument :

MSVOA_W

ClientSampleId :

S402-K1-1.0-1.5-082619MSD

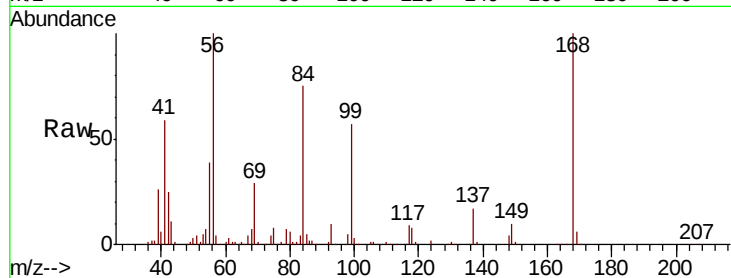
Tgt Ion: 56 Resp: 276788

Ion Ratio Lower Upper

56 100

69 29.6 24.9 37.3

84 74.3 60.6 90.8

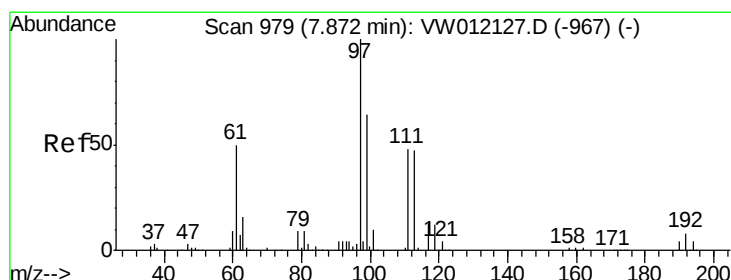
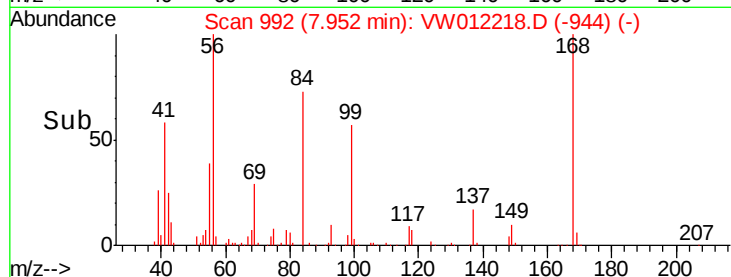
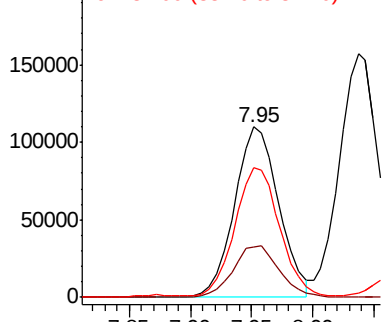


Abundance

Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 55.126 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

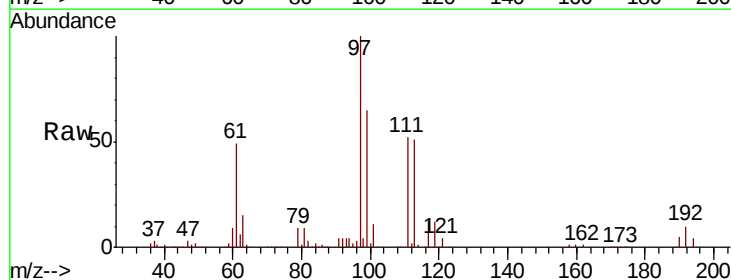
Tgt Ion: 97 Resp: 223422

Ion Ratio Lower Upper

97 100

99 63.7 51.4 77.0

61 48.2 39.5 59.3

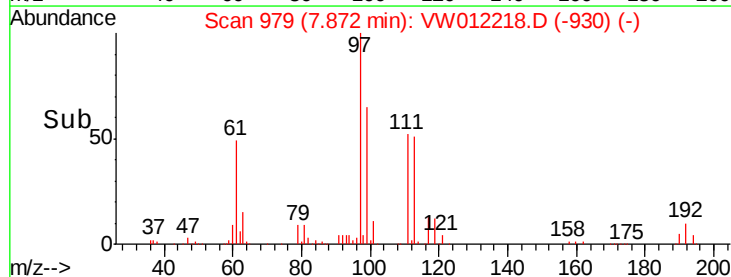
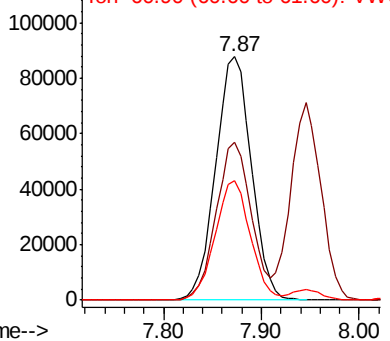


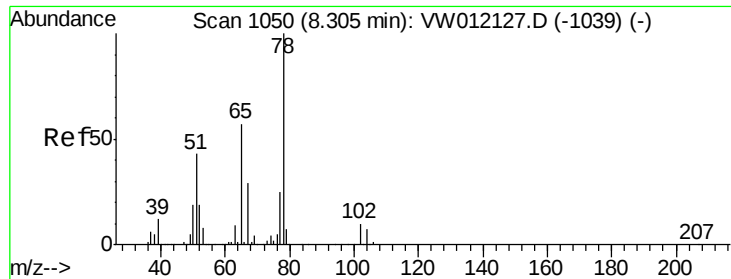
Abundance

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

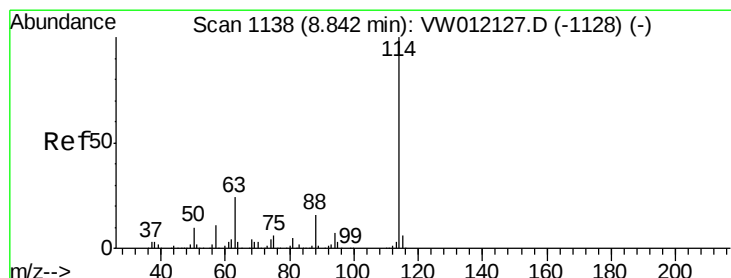
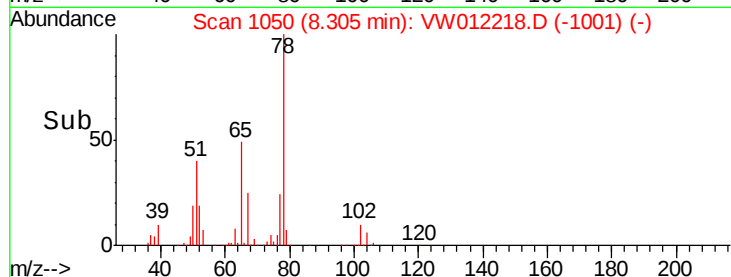
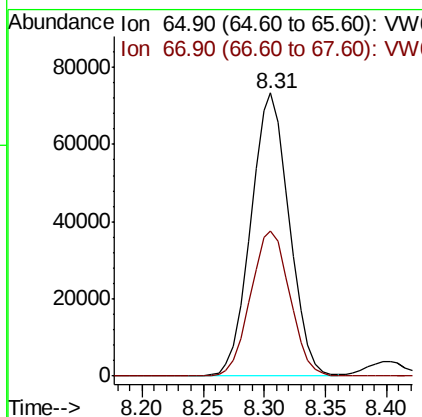
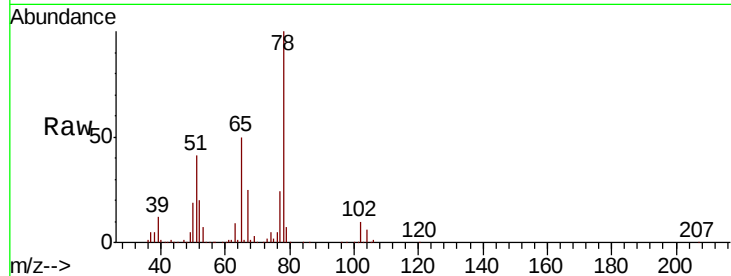




#33
 1,2-Dichloroethane-d4
 Concen: 51.931 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW012218.D
 Acq: 27 Aug 2019 17:44

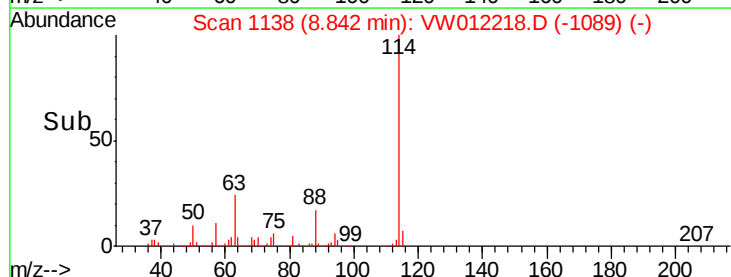
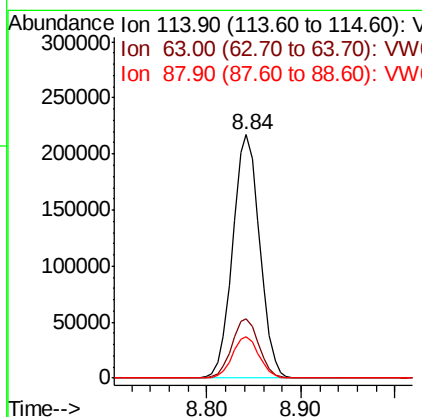
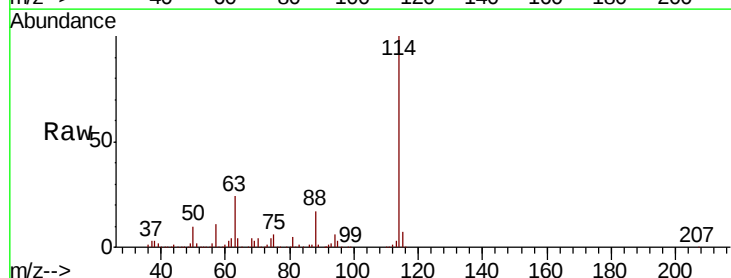
Instrument :
 MSVOA_W
 ClientSampleId :
 S402-K1-1.0-1.5-082619MSD

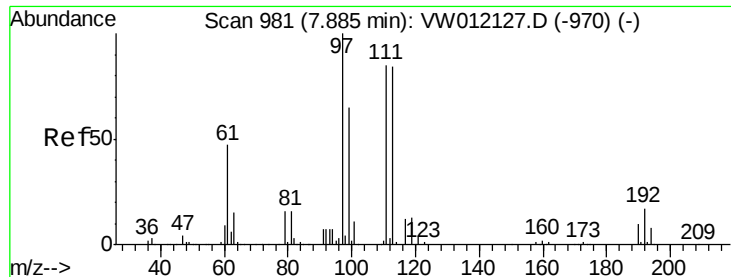
Tgt Ion: 65 Resp: 159737
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012218.D
 Acq: 27 Aug 2019 17:44

Tgt Ion: 114 Resp: 431228
 Ion Ratio Lower Upper
 114 100
 63 24.4 0.0 48.6
 88 16.9 0.0 32.2

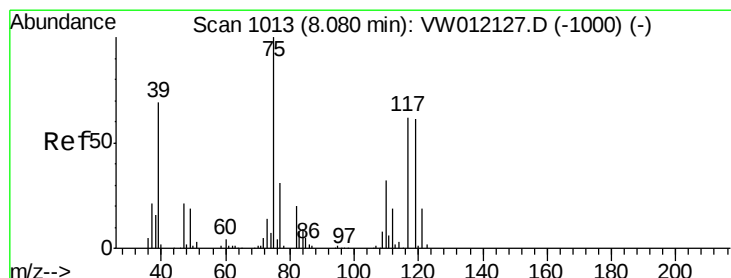
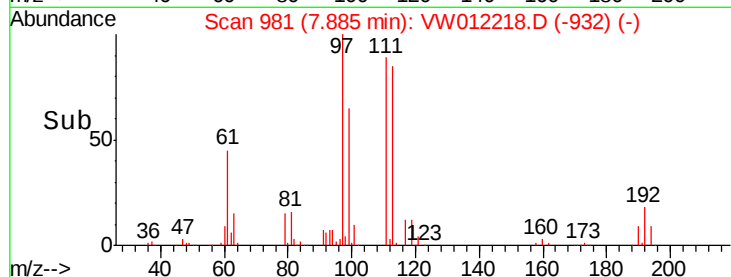
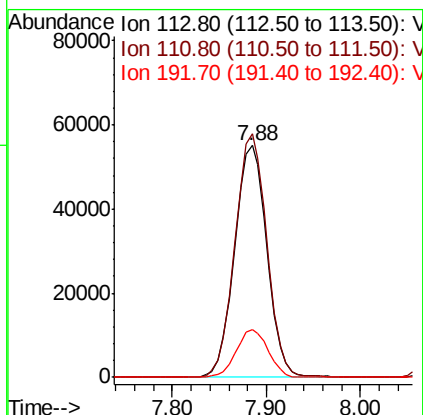
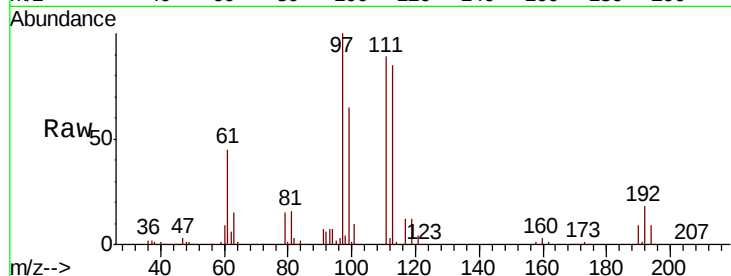




#35
 Dibromofluoromethane
 Concen: 51.310 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012218.D
 Acq: 27 Aug 2019 17:44

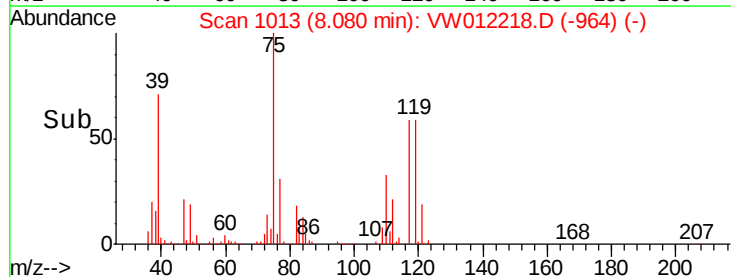
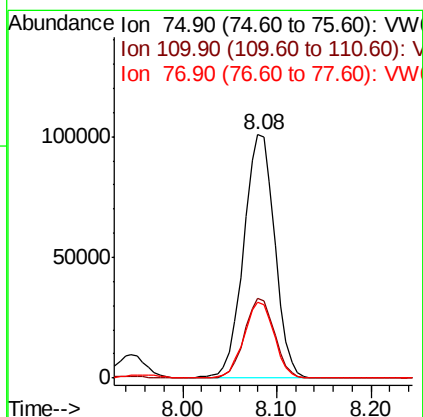
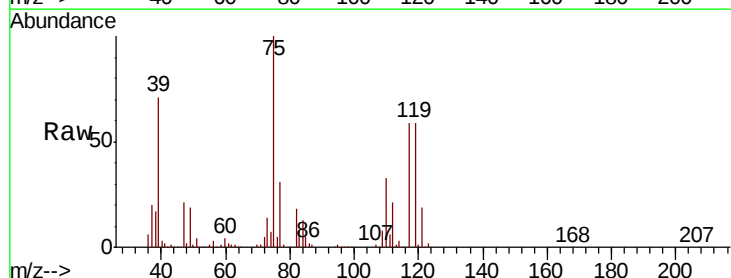
Instrument :
 MSVOA_W
 ClientSampleId :
 S402-K1-1.0-1.5-082619MSD

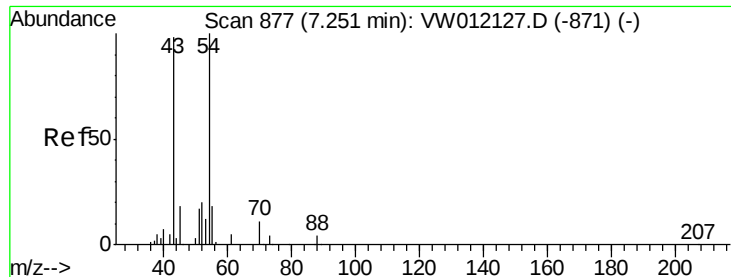
Tgt Ion: 113 Resp: 132072
 Ion Ratio Lower Upper
 113 100
 111 103.8 82.7 124.1
 192 20.4 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 51.948 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW012218.D
 Acq: 27 Aug 2019 17:44

Tgt Ion: 75 Resp: 231491
 Ion Ratio Lower Upper
 75 100
 110 31.8 15.6 46.8
 77 30.7 24.6 36.8





#37

Ethyl Acetate

Concen: 35.778 ug/l

RT: 7.25 min Scan# 877

Delta R.T. 0.00 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

Instrument :

MSVOA_W

ClientSampleId :

S402-K1-1.0-1.5-082619MSD

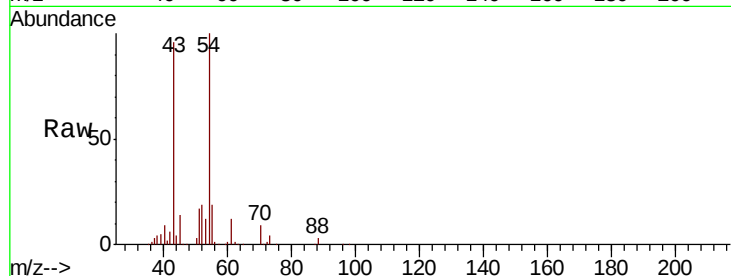
Tgt Ion: 43 Resp: 87369

Ion Ratio Lower Upper

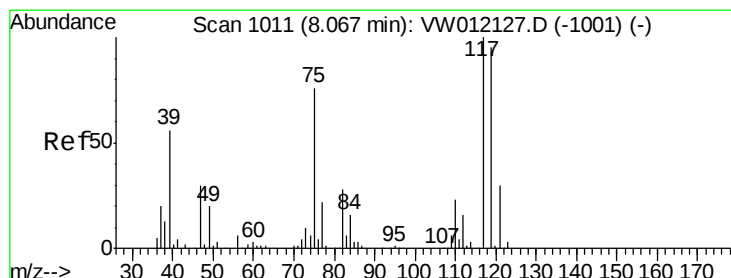
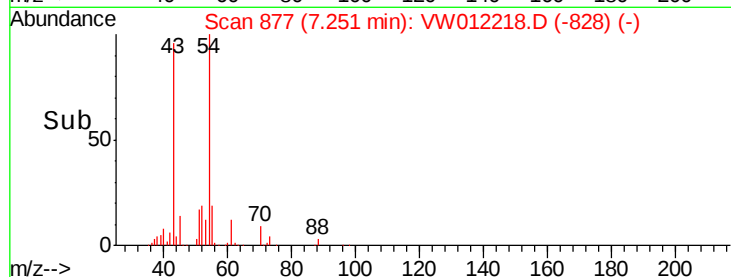
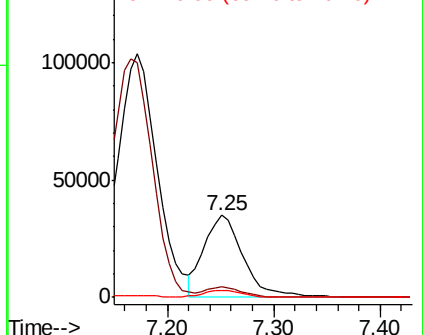
43 100

61 11.4 9.2 13.8

70 9.0 6.9 10.3



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 51.539 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

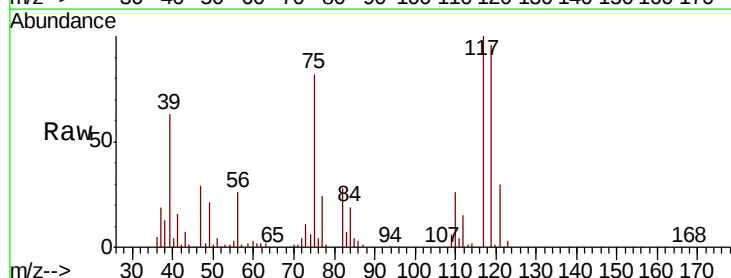
Tgt Ion: 117 Resp: 198784

Ion Ratio Lower Upper

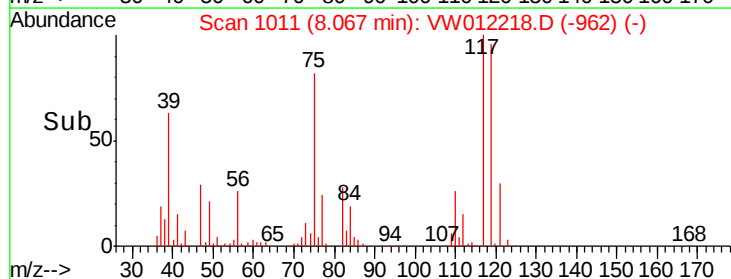
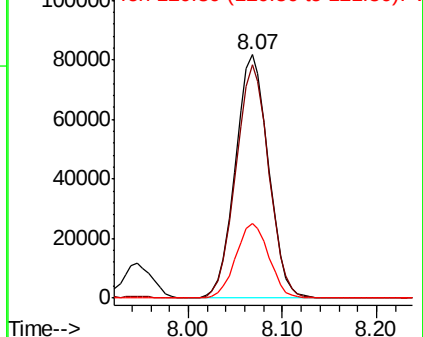
117 100

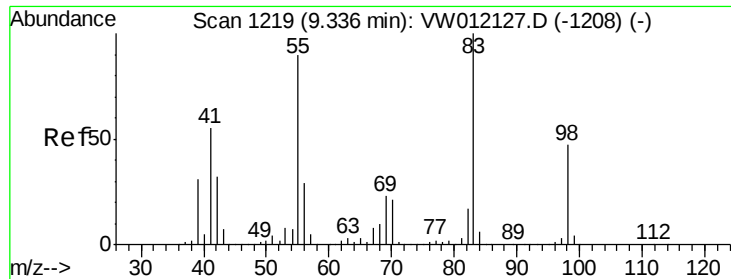
119 95.6 76.2 114.2

121 30.4 23.8 35.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

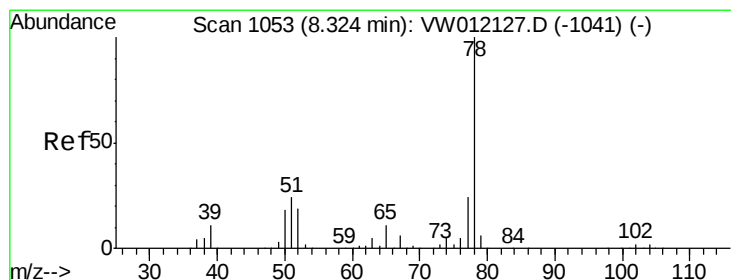
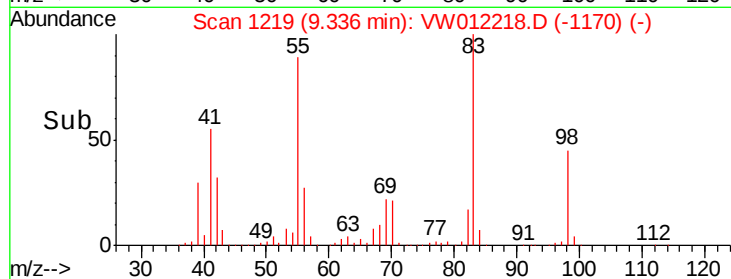
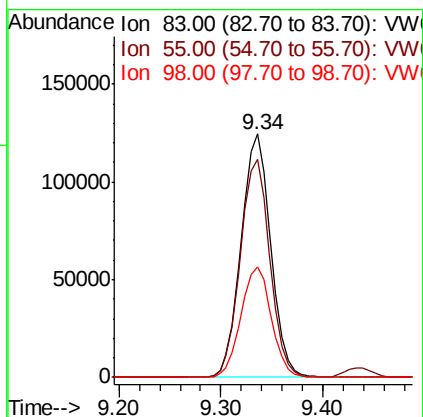
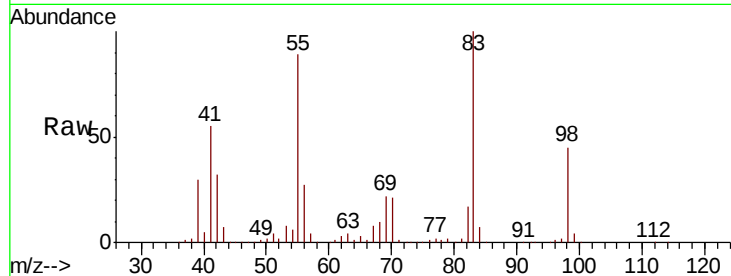




#39
Methylcyclohexane
Concen: 50.267 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW012218.D
Acq: 27 Aug 2019 17:44

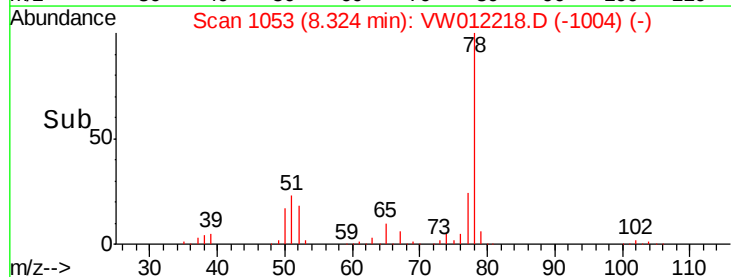
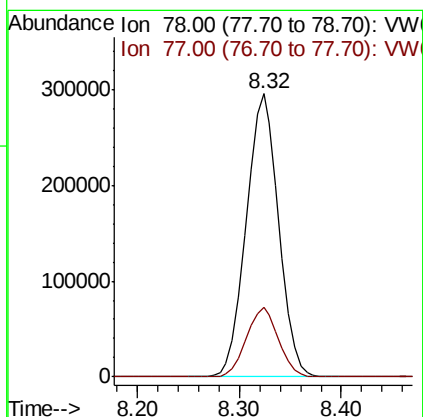
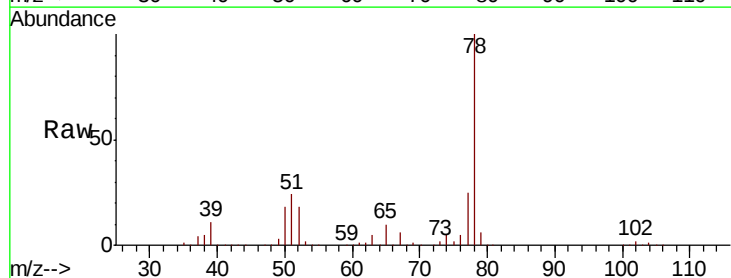
Instrument :
MSVOA_W
ClientSampleId :
S402-K1-1.0-1.5-082619MSD

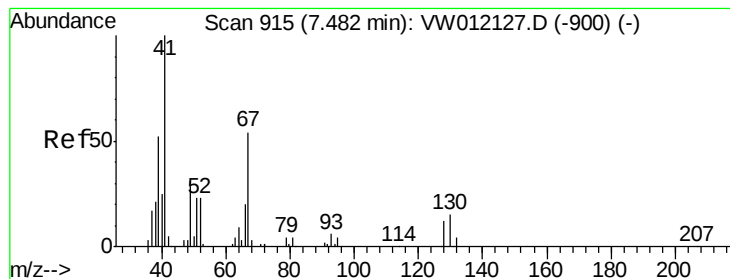
Tgt Ion: 83 Resp: 251646
Ion Ratio Lower Upper
83 100
55 89.2 71.8 107.8
98 45.3 37.8 56.8



#40
Benzene
Concen: 53.523 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW012218.D
Acq: 27 Aug 2019 17:44

Tgt Ion: 78 Resp: 651274
Ion Ratio Lower Upper
78 100
77 24.6 19.5 29.3





#41

Methacrylonitrile

Concen: 53.112 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

Instrument :

MSVOA_W

ClientSampleId :

S402-K1-1.0-1.5-082619MSD

Tgt Ion: 41 Resp: 76227

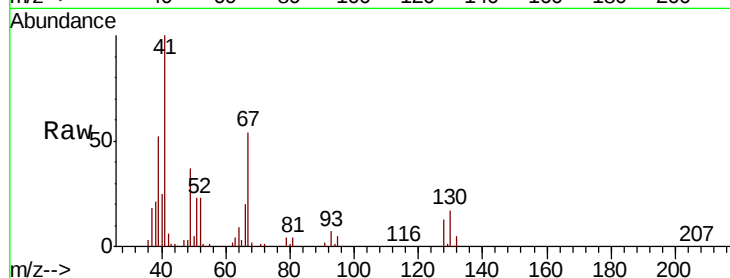
Ion Ratio Lower Upper

41 100

39 58.3 45.8 68.8

67 58.3 46.2 69.4

52 26.0 21.0 31.6



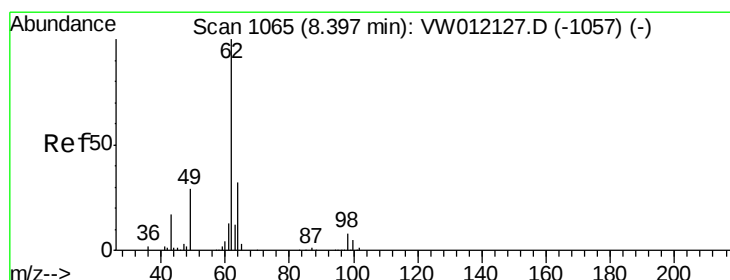
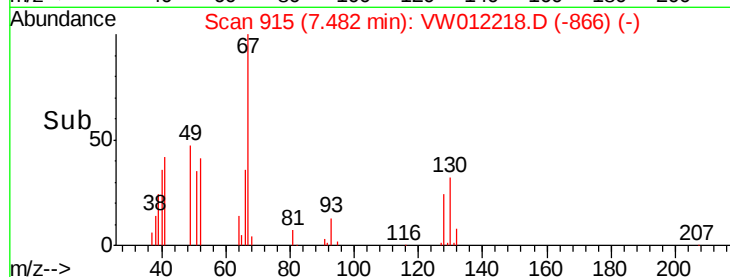
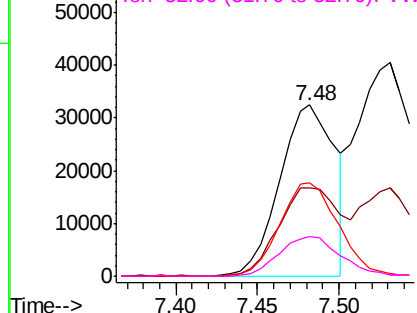
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 52.648 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW012218.D

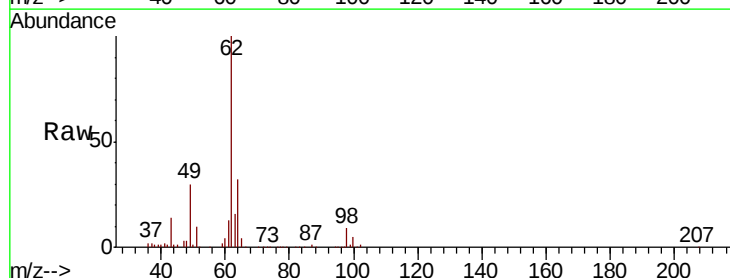
Acq: 27 Aug 2019 17:44

Tgt Ion: 62 Resp: 200779

Ion Ratio Lower Upper

62 100

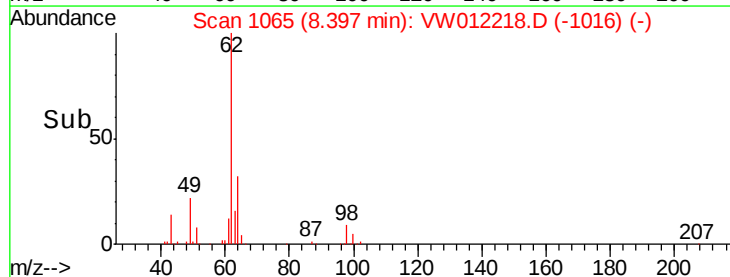
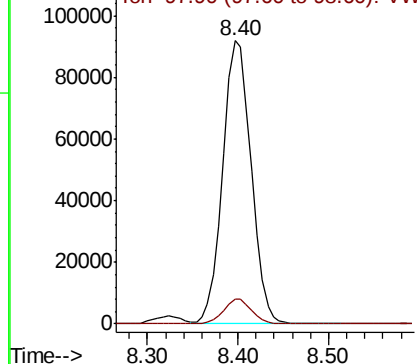
98 8.5 0.0 16.6

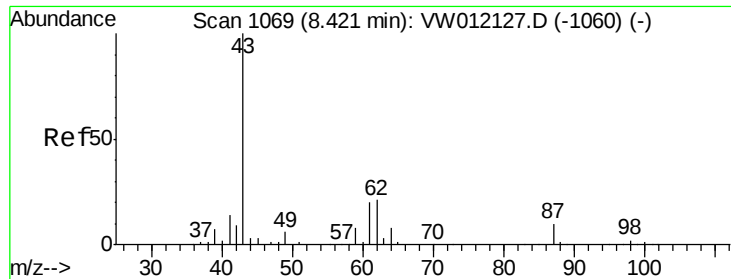


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW

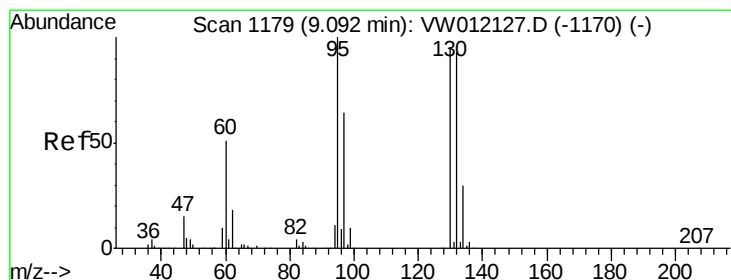
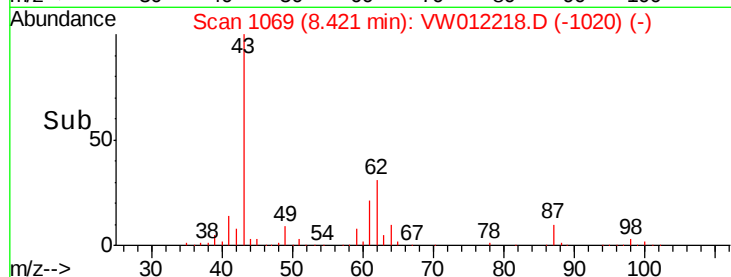
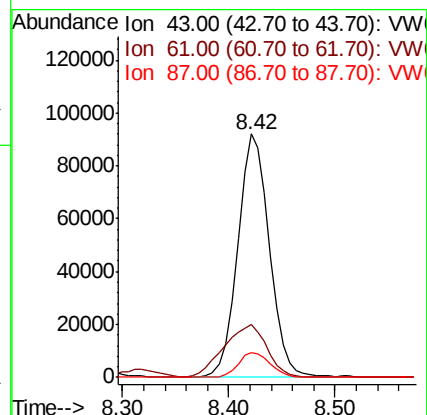
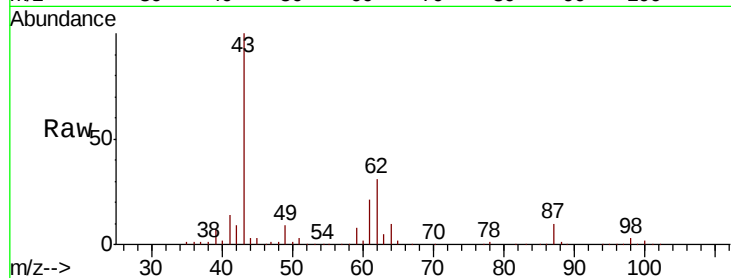




#43
Isopropyl Acetate
Concen: 42.150 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VW012218.D
Acq: 27 Aug 2019 17:44

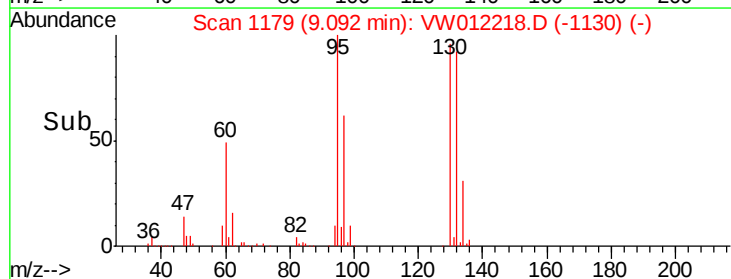
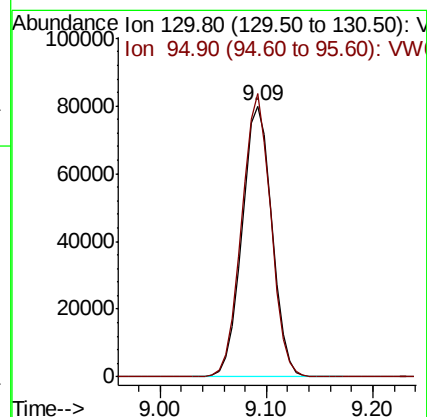
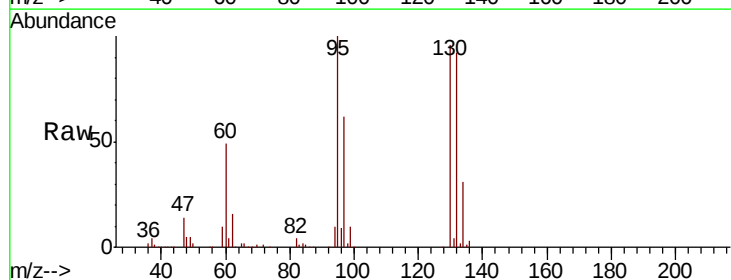
Instrument :
MSVOA_W
ClientSampleId :
S402-K1-1.0-1.5-082619MSD

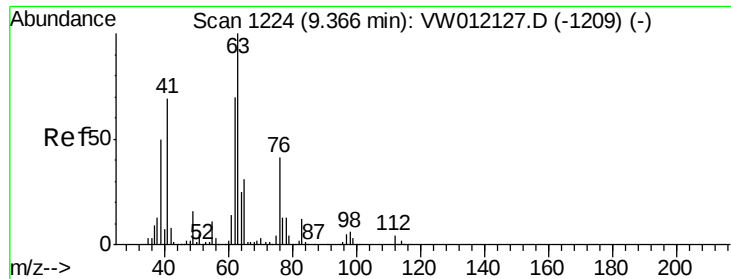
Tgt Ion: 43 Resp: 190654
Ion Ratio Lower Upper
43 100
61 29.4 21.1 31.7
87 10.5 8.2 12.2



#44
Trichloroethene
Concen: 53.374 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW012218.D
Acq: 27 Aug 2019 17:44

Tgt Ion: 130 Resp: 157881
Ion Ratio Lower Upper
130 100
95 104.5 0.0 210.6

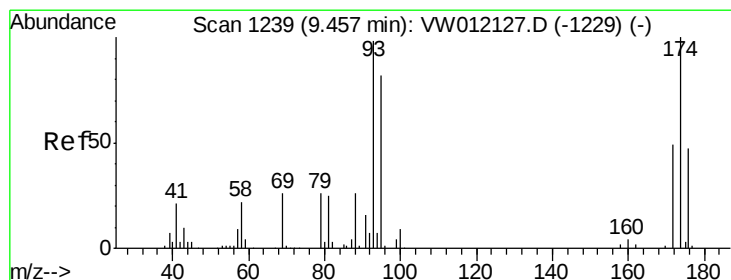
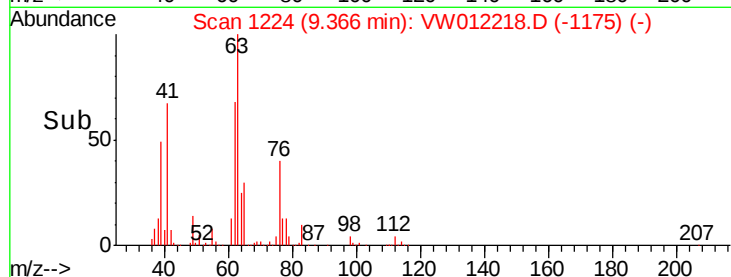
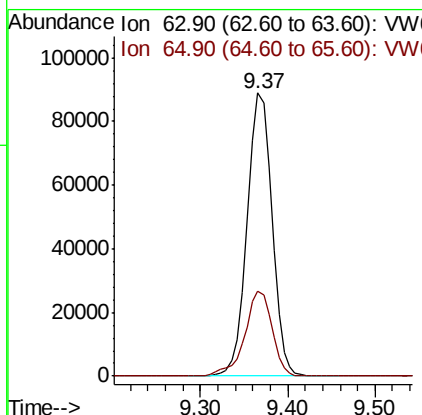
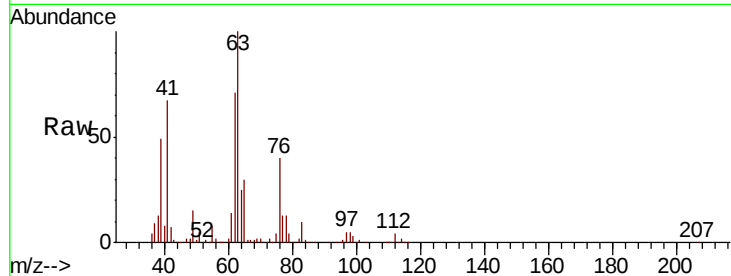




#45
 1,2-Dichloropropane
 Concen: 53.964 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW012218.D
 Acq: 27 Aug 2019 17:44

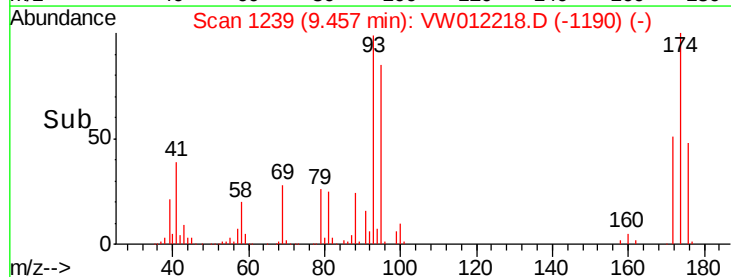
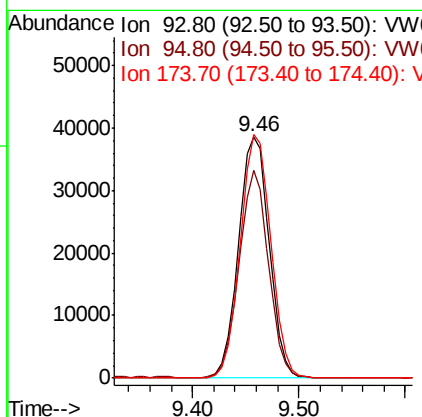
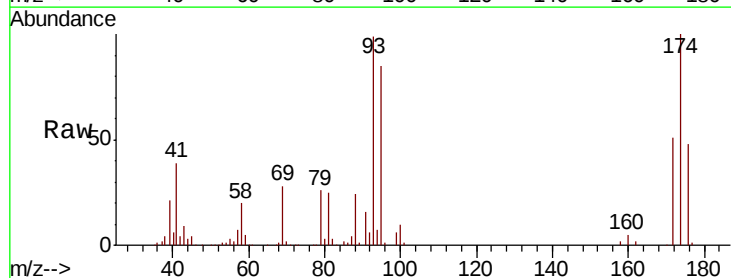
Instrument :
 MSVOA_W
 ClientSampleId :
 S402-K1-1.0-1.5-082619MSD

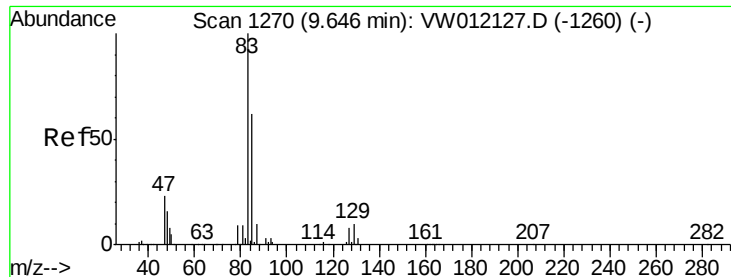
Tgt Ion: 63 Resp: 176721
 Ion Ratio Lower Upper
 63 100
 65 30.0 25.0 37.4



#46
 Dibromomethane
 Concen: 53.752 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW012218.D
 Acq: 27 Aug 2019 17:44

Tgt Ion: 93 Resp: 78319
 Ion Ratio Lower Upper
 93 100
 95 82.7 67.2 100.8
 174 100.4 79.0 118.6





#47

Bromodichloromethane

Concen: 54.209 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

Instrument :

MSVOA_W

ClientSampleId :

S402-K1-1.0-1.5-082619MSD

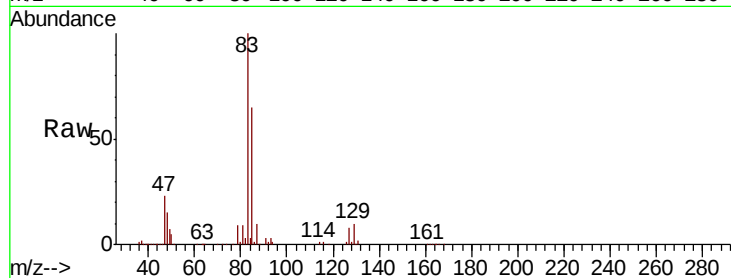
Tgt Ion: 83 Resp: 210215

Ion Ratio Lower Upper

83 100

85 64.9 49.4 74.2

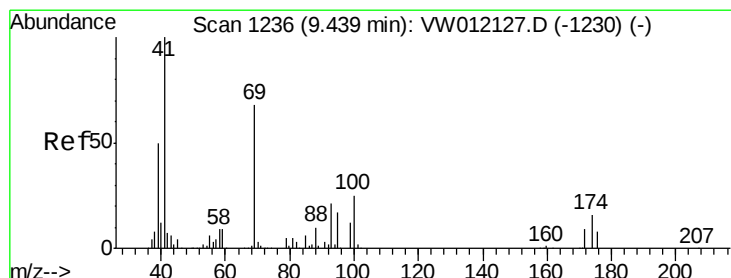
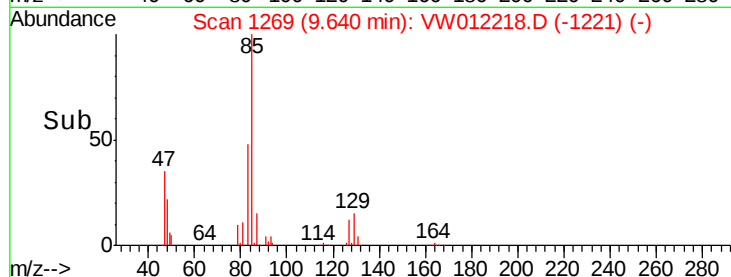
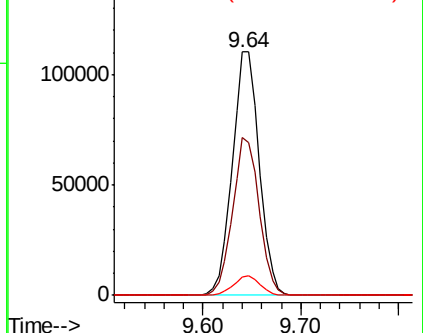
127 7.6 6.1 9.1



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 66.456 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

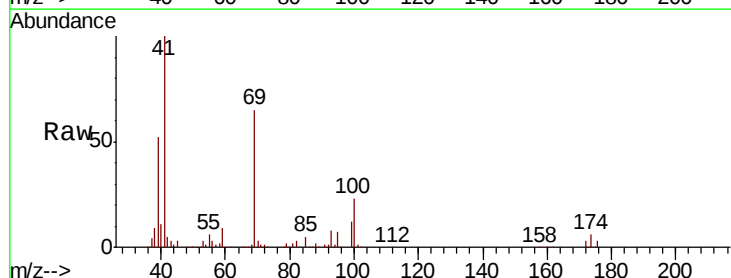
Tgt Ion: 41 Resp: 143069

Ion Ratio Lower Upper

41 100

69 70.1 56.7 85.1

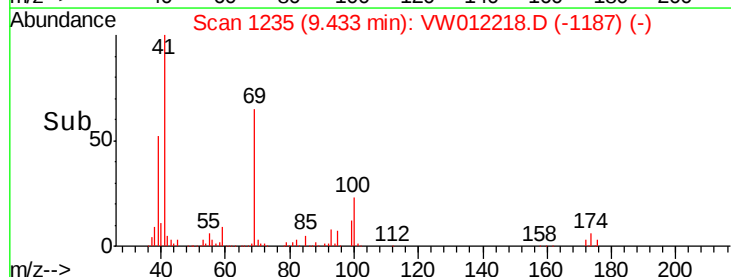
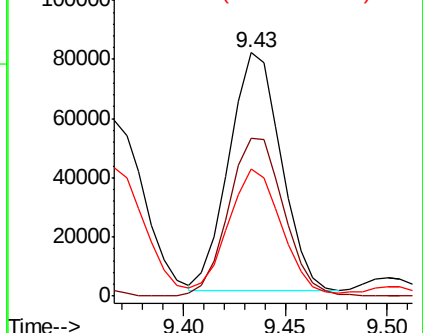
39 54.6 42.0 63.0

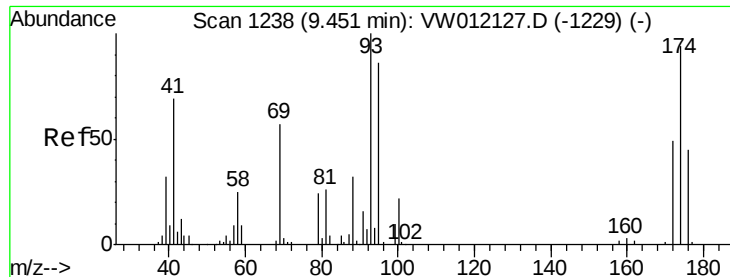


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 979.026 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.01 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

Instrument :

MSVOA_W

ClientSampleId :

S402-K1-1.0-1.5-082619MSD

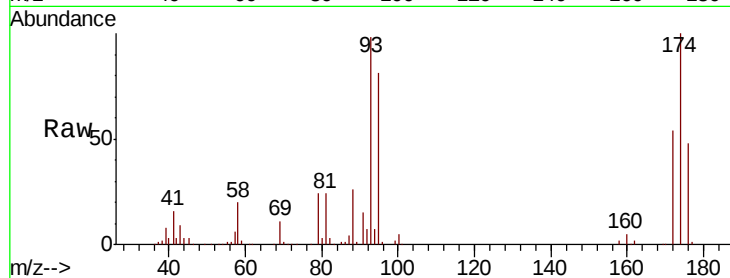
Tgt Ion: 88 Resp: 21838

Ion Ratio Lower Upper

88 100

43 0.0 32.9 49.3#

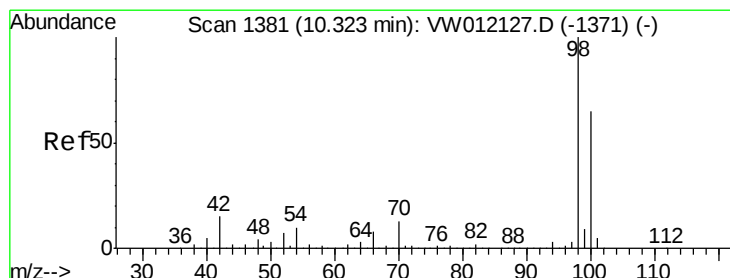
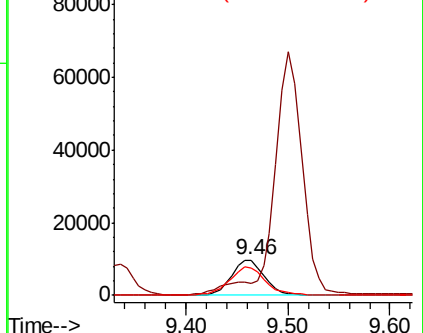
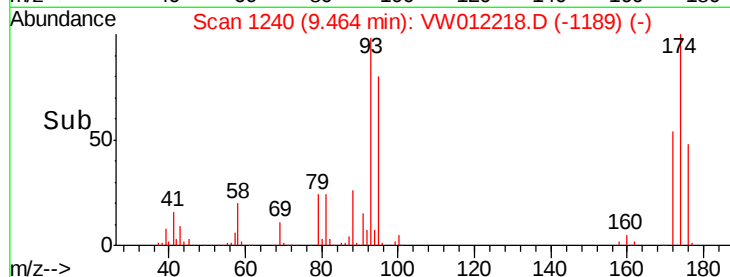
58 88.8 71.0 106.4



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 50.765 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012218.D

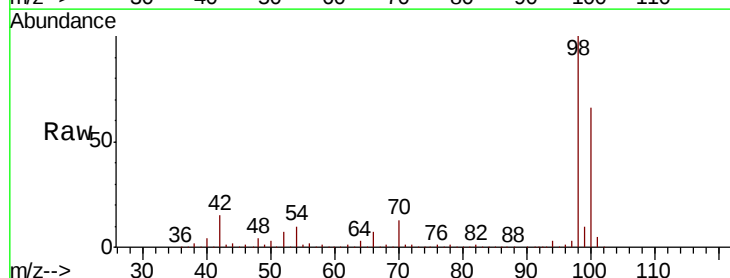
Acq: 27 Aug 2019 17:44

Tgt Ion: 98 Resp: 529824

Ion Ratio Lower Upper

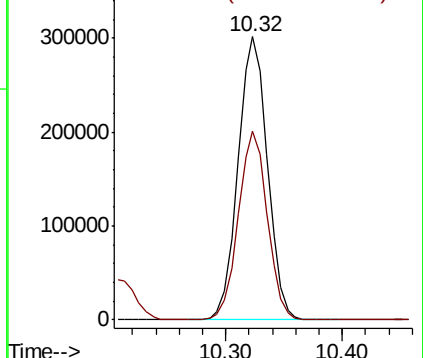
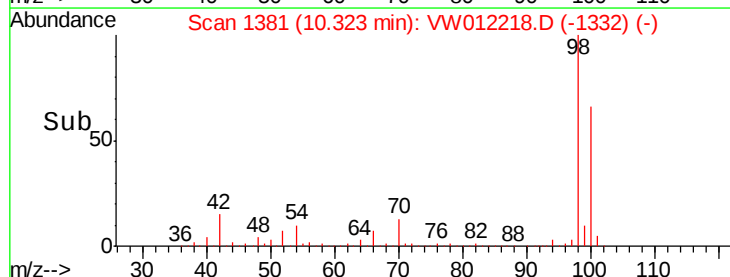
98 100

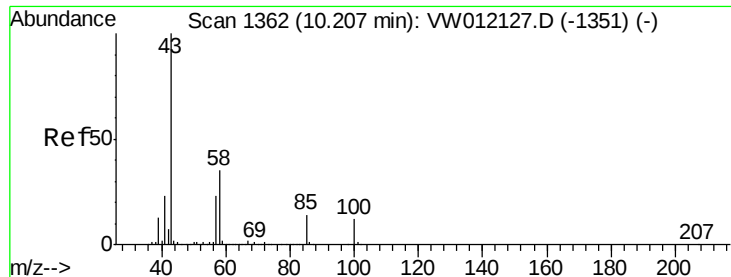
100 65.8 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

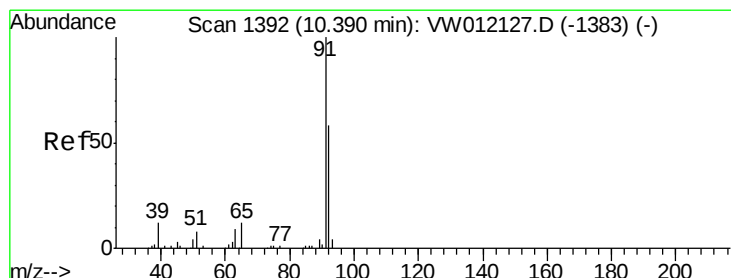
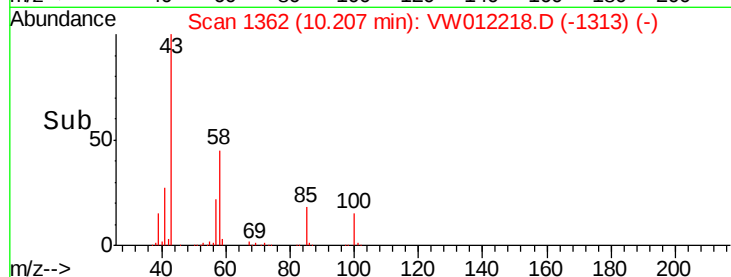
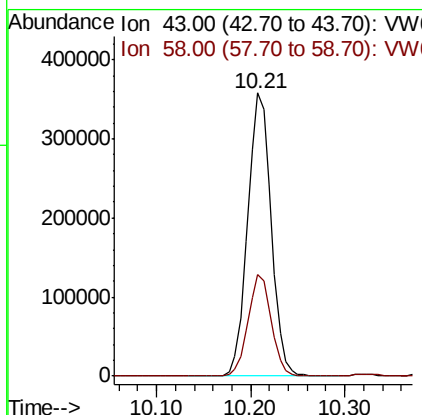
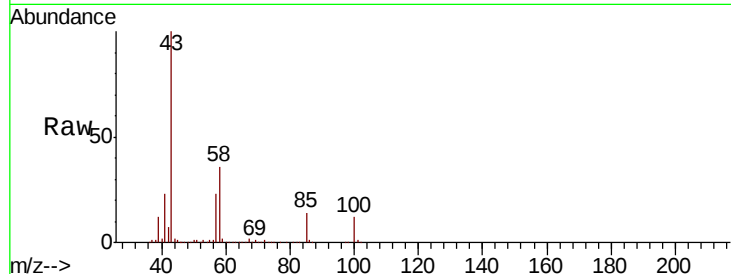




#51
 4-Methyl-2-Pentanone
 Concen: 273.291 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW012218.D
 Acq: 27 Aug 2019 17:44

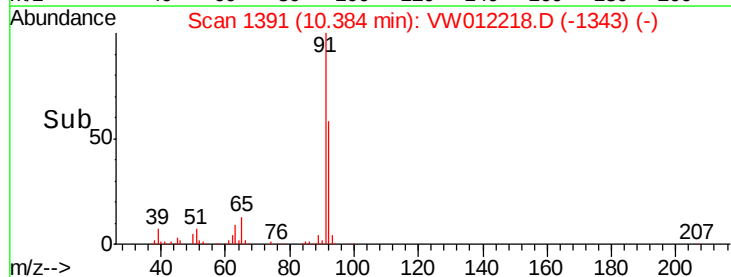
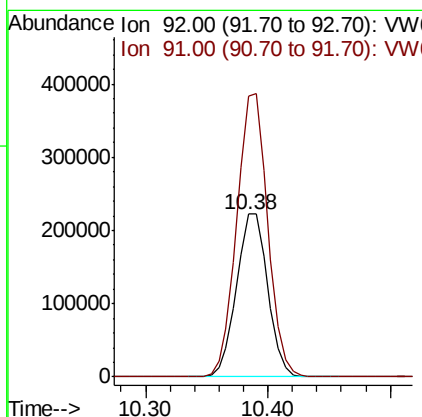
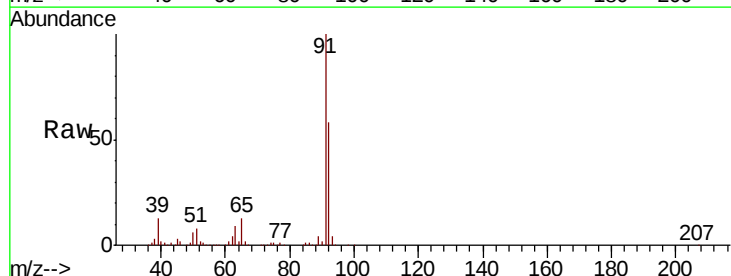
Instrument :
 MSVOA_W
 ClientSampleId :
 S402-K1-1.0-1.5-082619MSD

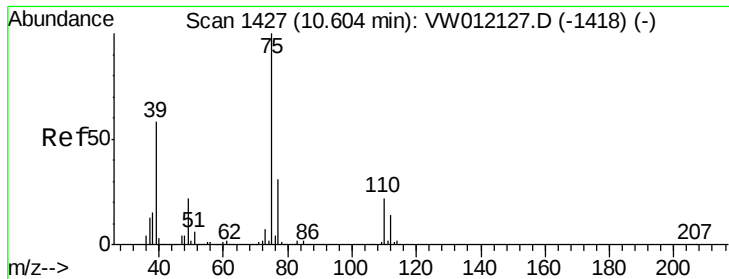
Tgt Ion: 43 Resp: 628753
 Ion Ratio Lower Upper
 43 100
 58 35.3 28.2 42.2



#52
 Toluene
 Concen: 53.884 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VW012218.D
 Acq: 27 Aug 2019 17:44

Tgt Ion: 92 Resp: 393888
 Ion Ratio Lower Upper
 92 100
 91 171.8 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 55.382 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

Instrument :

MSVOA_W

ClientSampleId :

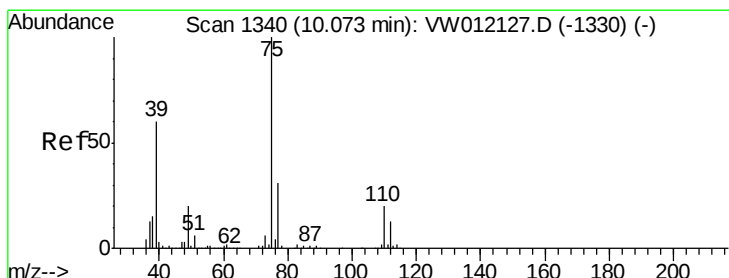
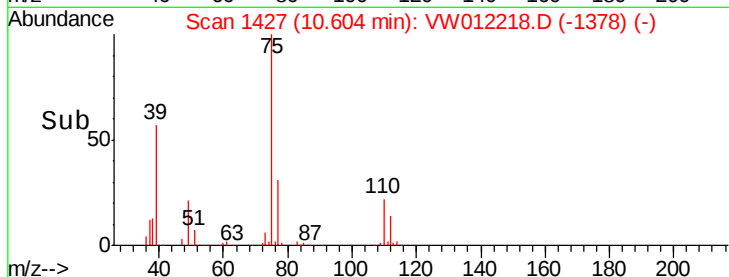
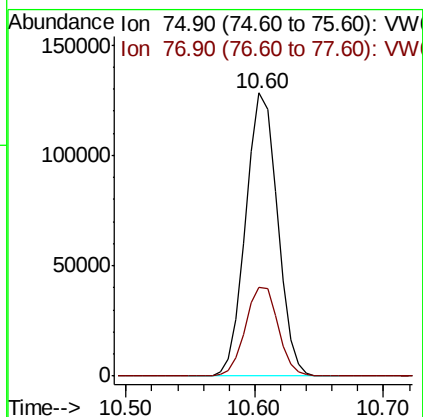
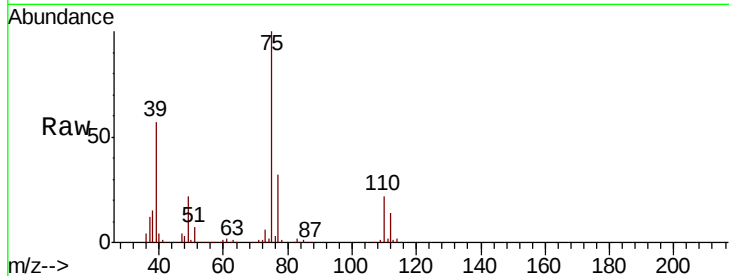
S402-K1-1.0-1.5-082619MSD

Tgt Ion: 75 Resp: 218762

Ion Ratio Lower Upper

75 100

77 31.4 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 55.087 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

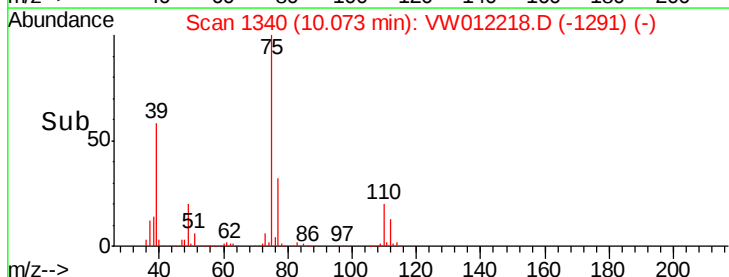
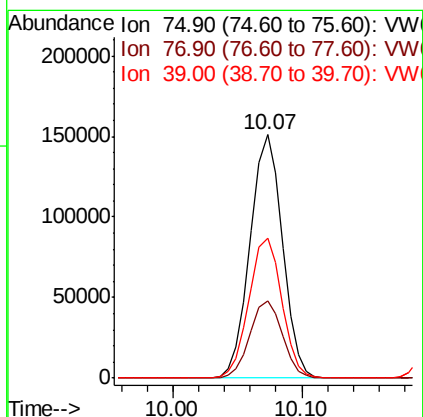
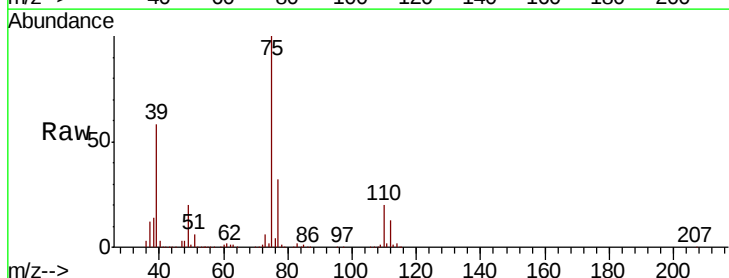
Tgt Ion: 75 Resp: 262735

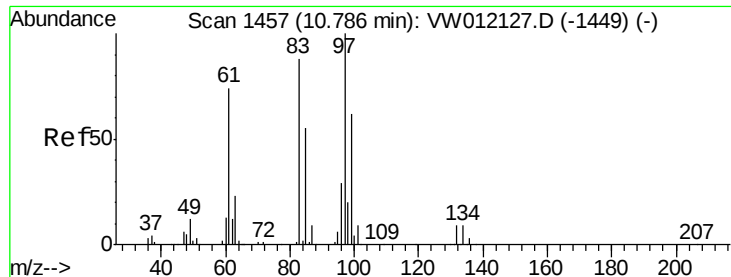
Ion Ratio Lower Upper

75 100

77 31.8 25.1 37.7

39 57.6 48.3 72.5





#55

1,1,2-Trichloroethane

Concen: 54.791 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

Instrument :

MSVOA_W

ClientSampleId :

S402-K1-1.0-1.5-082619MSD

Tgt Ion: 97 Resp: 112953

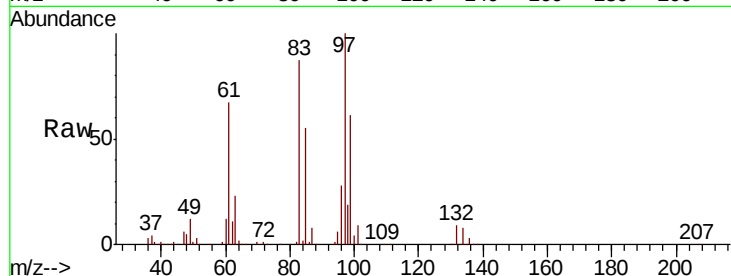
Ion Ratio Lower Upper

97 100

83 86.6 70.8 106.2

85 55.2 43.8 65.8

99 61.3 49.8 74.6



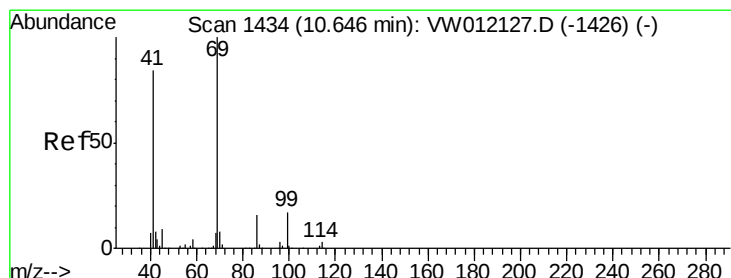
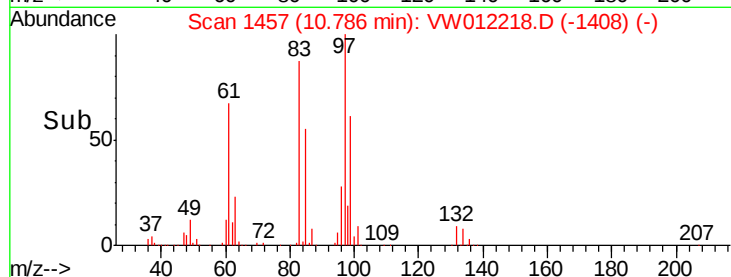
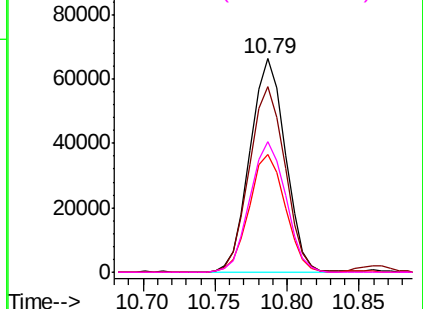
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 40.383 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

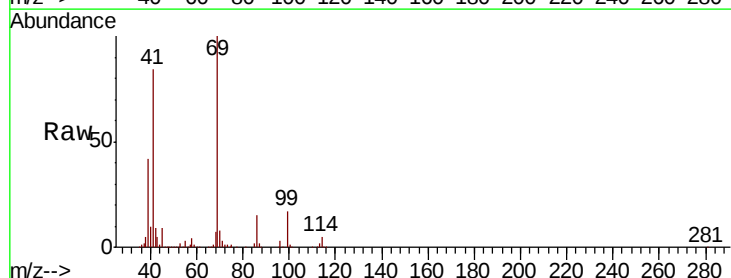
Tgt Ion: 69 Resp: 121164

Ion Ratio Lower Upper

69 100

41 83.4 66.5 99.7

39 38.4 31.0 46.4

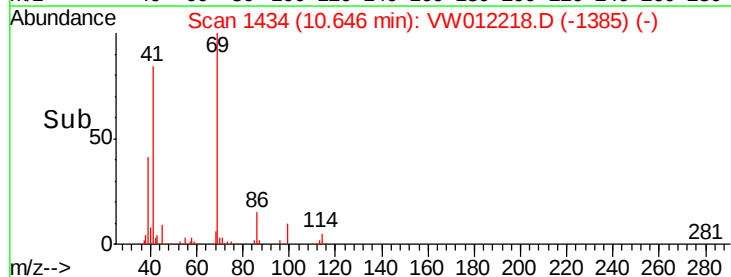
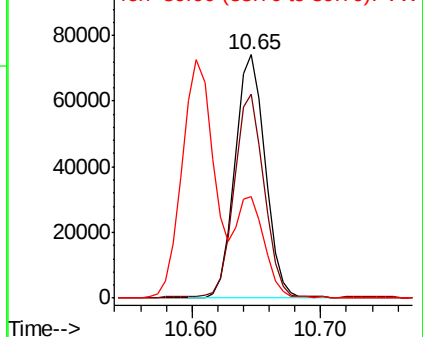


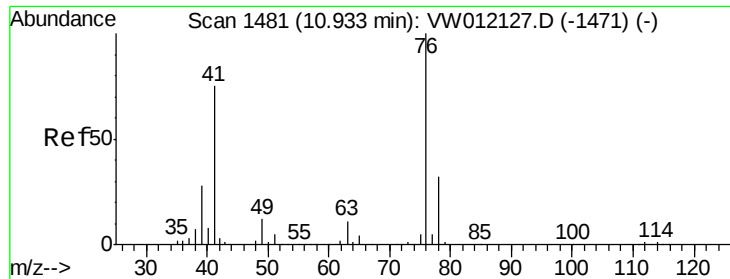
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

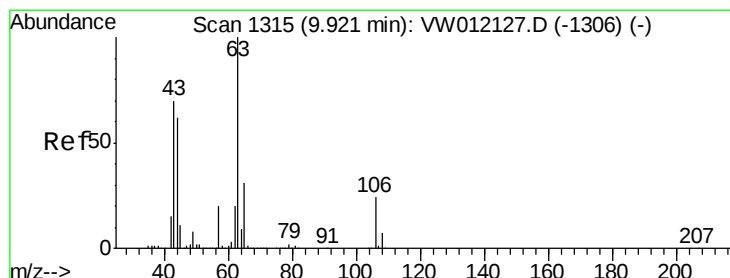
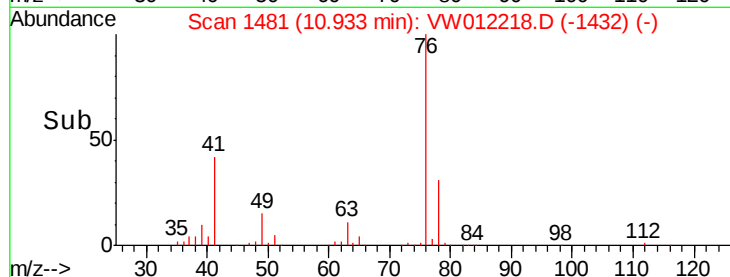
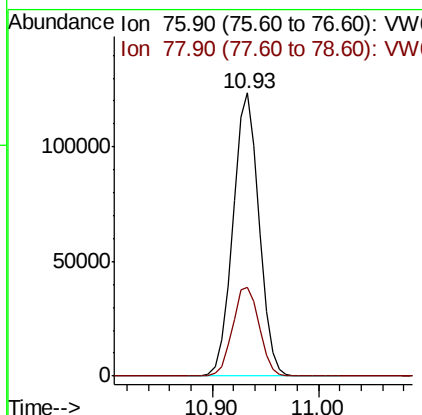
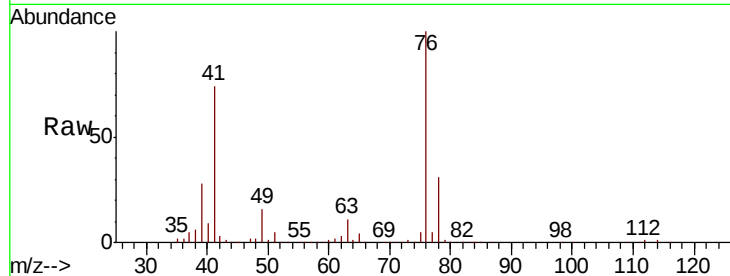




#57
 1,3-Dichloropropane
 Concen: 54.329 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW012218.D
 Acq: 27 Aug 2019 17:44

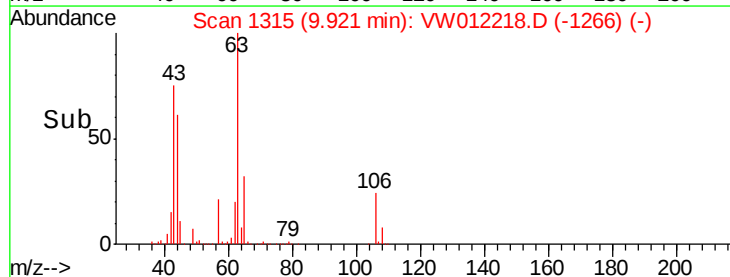
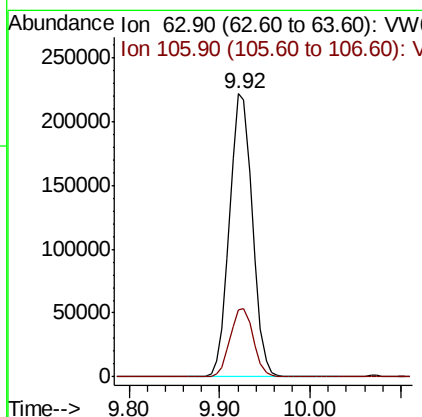
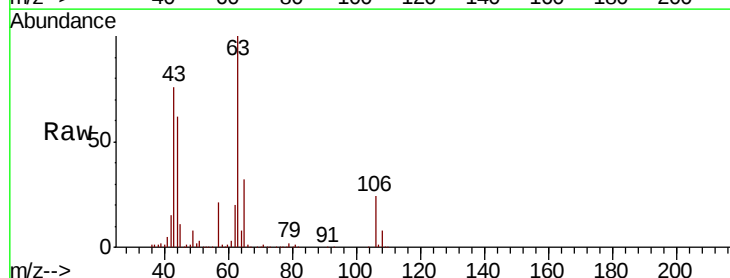
Instrument :
 MSVOA_W
 ClientSampleId :
 S402-K1-1.0-1.5-082619MSD

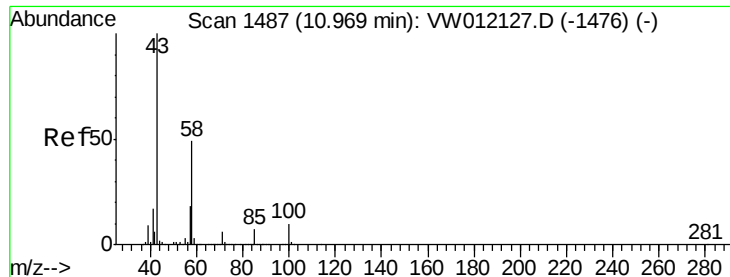
Tgt Ion: 76 Resp: 211654
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 252.494 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW012218.D
 Acq: 27 Aug 2019 17:44

Tgt Ion: 63 Resp: 388807
 Ion Ratio Lower Upper
 63 100
 106 24.6 19.8 29.8

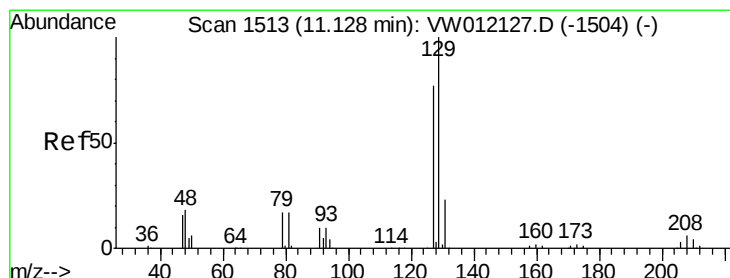
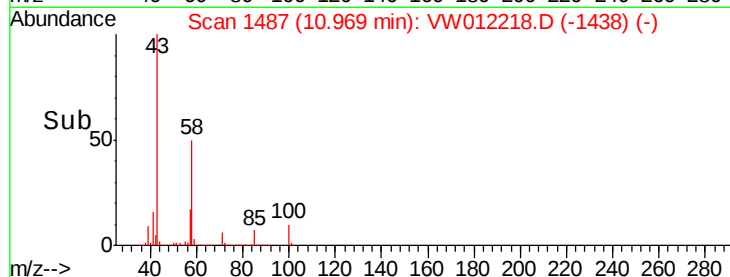
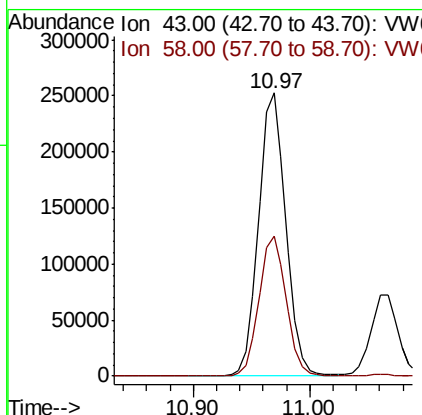
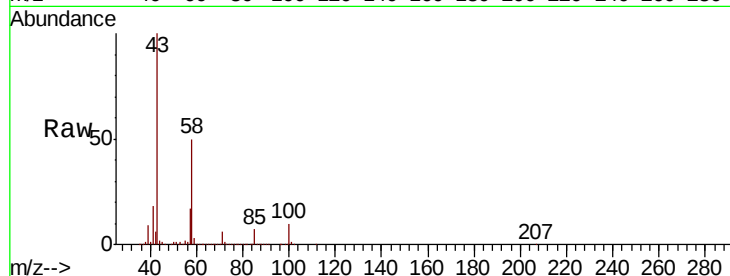




#59
2-Hexanone
Concen: 253.402 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW012218.D
Acq: 27 Aug 2019 17:44

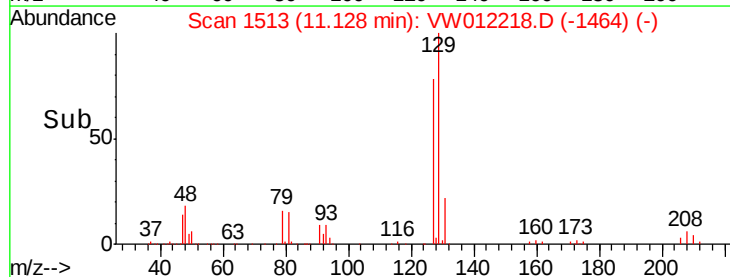
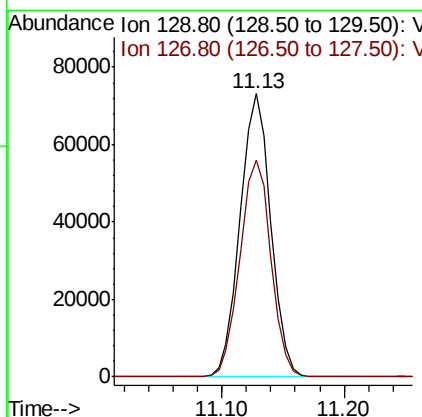
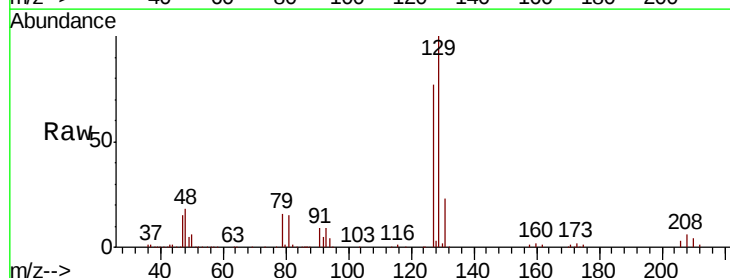
Instrument :
MSVOA_W
ClientSampleId :
S402-K1-1.0-1.5-082619MSD

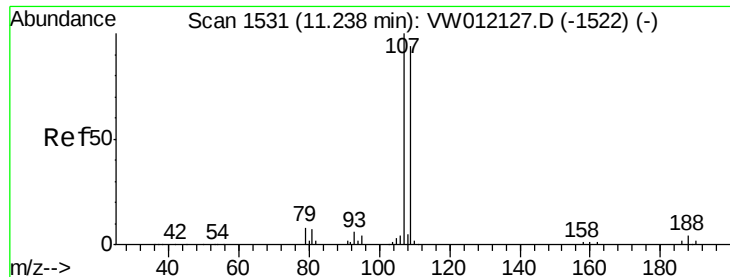
Tgt Ion: 43 Resp: 412506
Ion Ratio Lower Upper
43 100
58 49.5 24.3 72.9



#60
Dibromochloromethane
Concen: 55.512 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW012218.D
Acq: 27 Aug 2019 17:44

Tgt Ion: 129 Resp: 127466
Ion Ratio Lower Upper
129 100
127 77.4 38.6 115.8

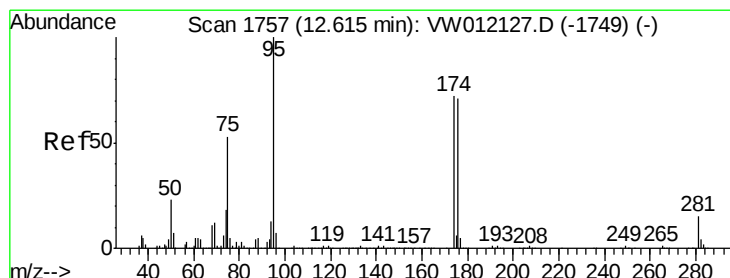
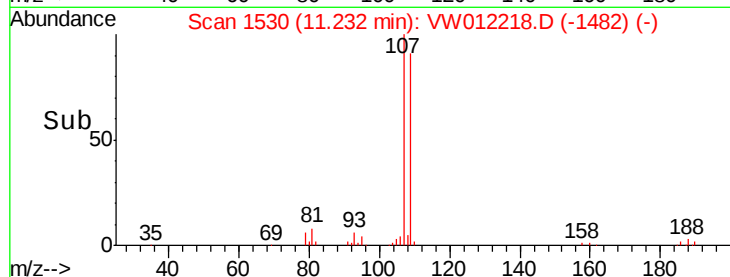
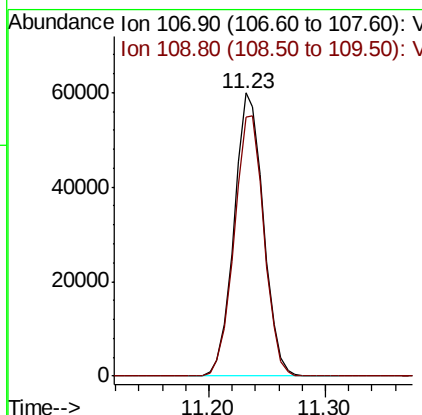
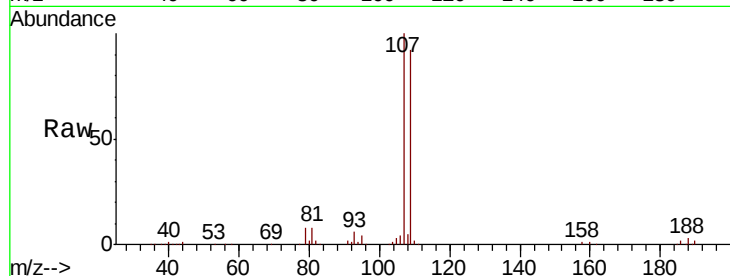




#61
 1,2-Dibromoethane
 Concen: 54.579 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012218.D
 Acq: 27 Aug 2019 17:44

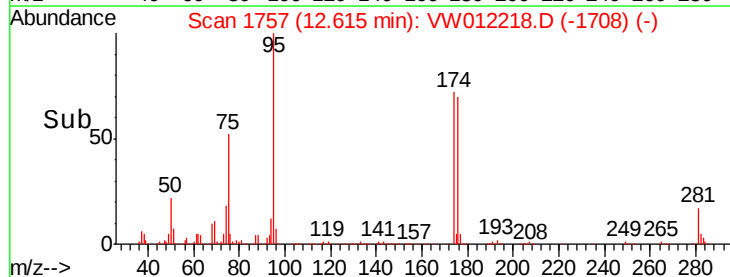
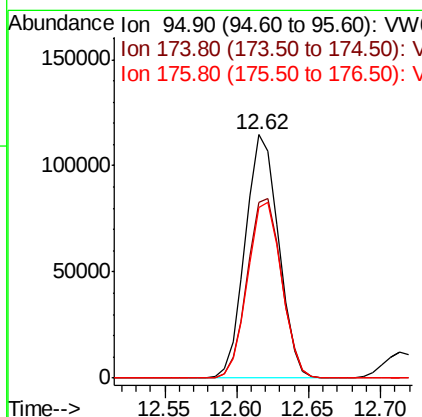
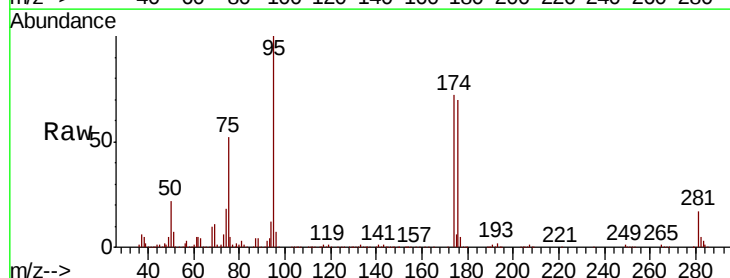
Instrument :
 MSVOA_W
 ClientSampleId :
 S402-K1-1.0-1.5-082619MSD

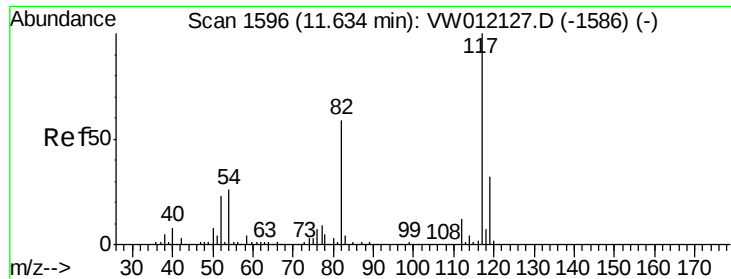
Tgt Ion: 107 Resp: 104823
 Ion Ratio Lower Upper
 107 100
 109 93.6 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 50.048 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW012218.D
 Acq: 27 Aug 2019 17:44

Tgt Ion: 95 Resp: 184125
 Ion Ratio Lower Upper
 95 100
 174 75.7 0.0 150.8
 176 73.7 0.0 148.6

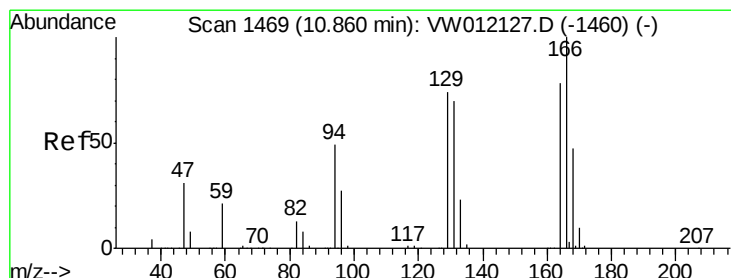
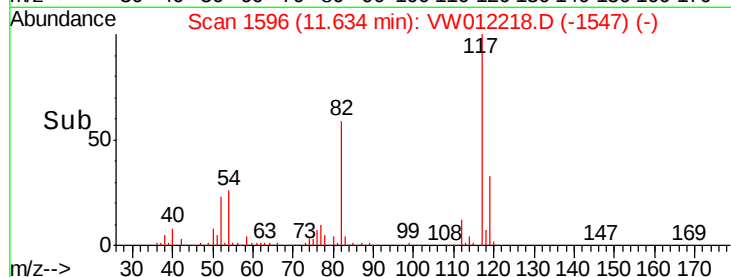
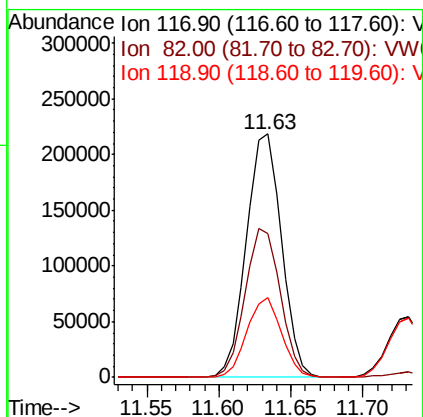
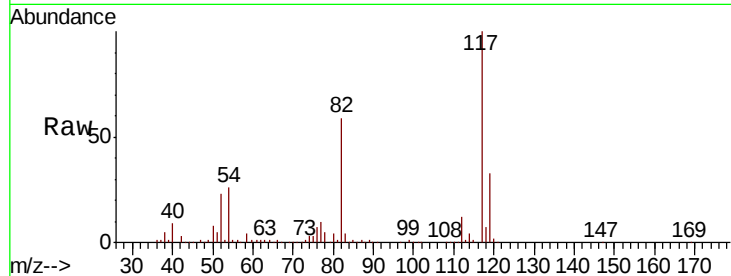




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW012218.D
Acq: 27 Aug 2019 17:44

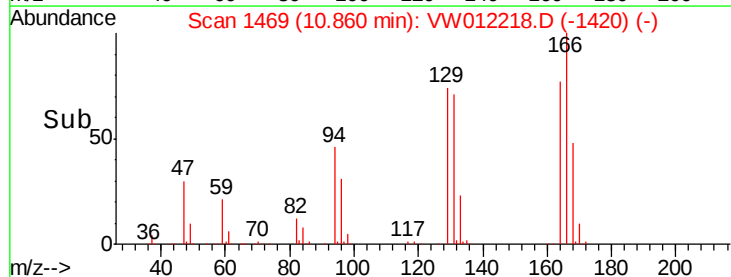
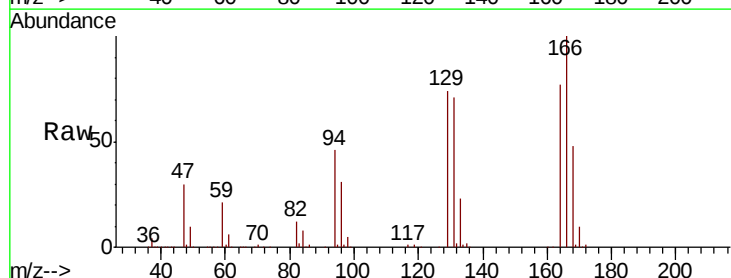
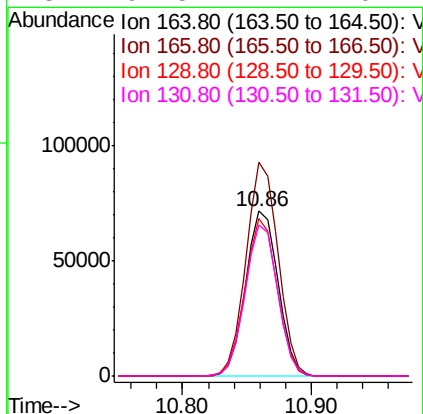
Instrument :
MSVOA_W
ClientSampleId :
S402-K1-1.0-1.5-082619MSD

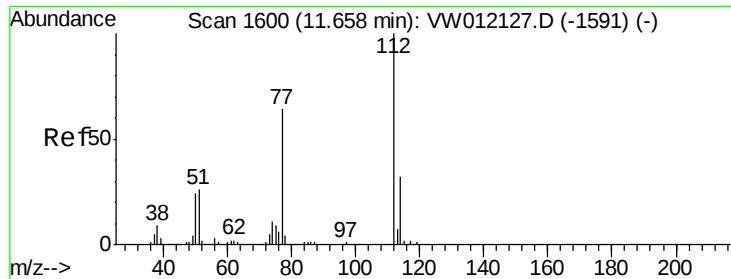
Tgt Ion:117 Resp: 368984
Ion Ratio Lower Upper
117 100
82 59.3 47.4 71.2
119 32.6 25.4 38.2



#64
Tetrachloroethene
Concen: 51.916 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW012218.D
Acq: 27 Aug 2019 17:44

Tgt Ion:164 Resp: 124195
Ion Ratio Lower Upper
164 100
166 129.6 102.4 153.6
129 95.6 75.8 113.6
131 91.5 71.4 107.2

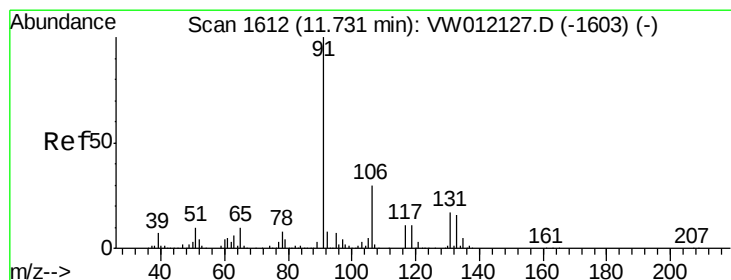
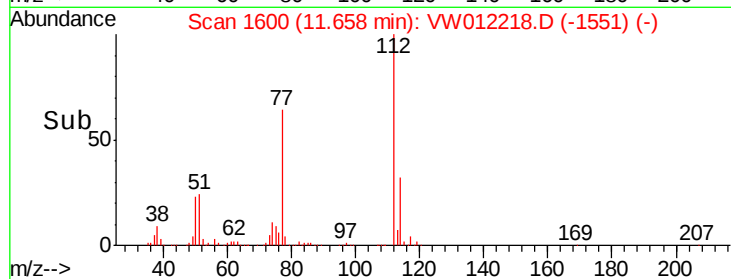
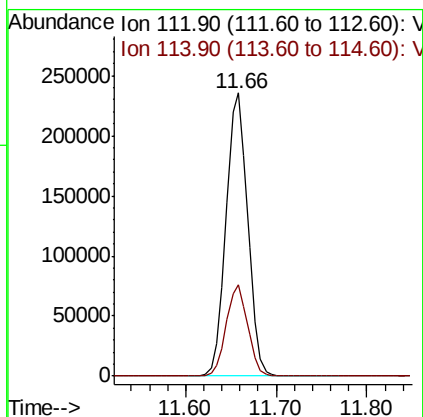
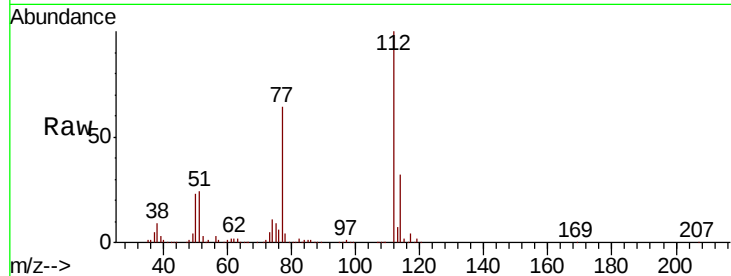




#65
Chlorobenzene
Concen: 53.714 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW012218.D
Acq: 27 Aug 2019 17:44

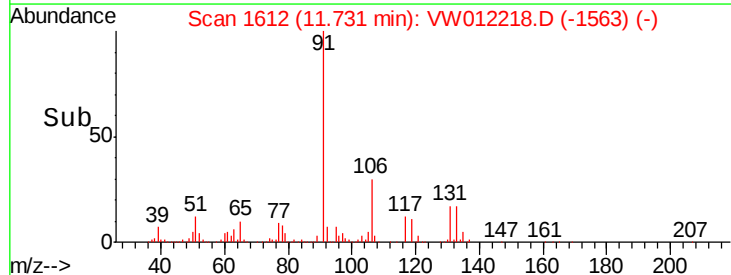
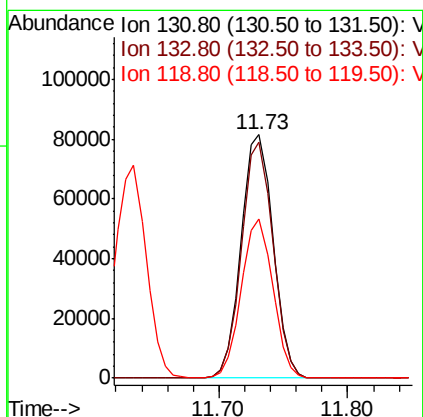
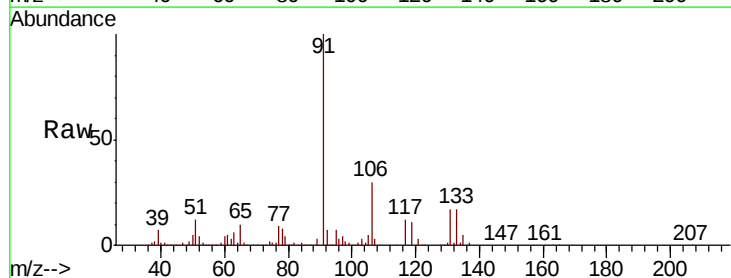
Instrument :
MSVOA_W
ClientSampleId :
S402-K1-1.0-1.5-082619MSD

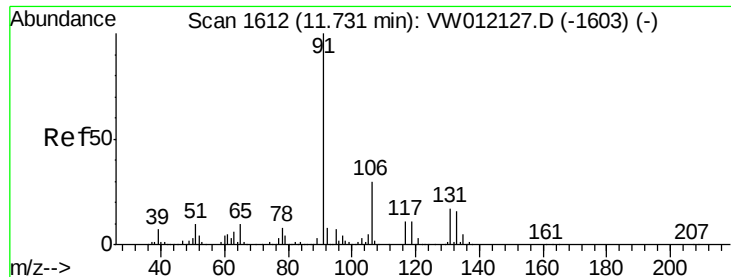
Tgt Ion:112 Resp: 390265
Ion Ratio Lower Upper
112 100
114 32.1 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 55.262 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012218.D
Acq: 27 Aug 2019 17:44

Tgt Ion:131 Resp: 140071
Ion Ratio Lower Upper
131 100
133 95.4 47.1 141.3
119 64.7 31.8 95.3

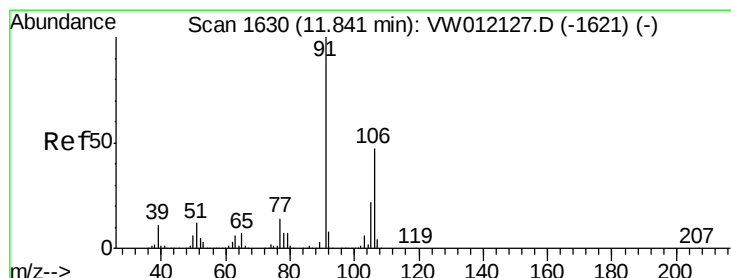
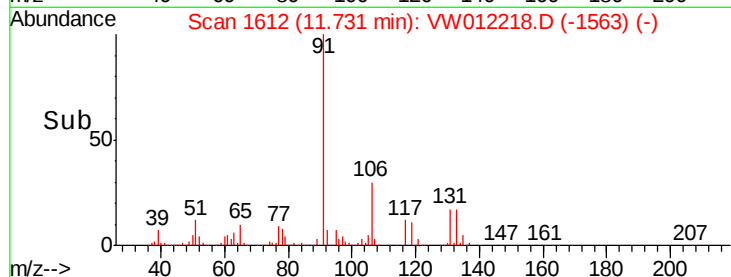
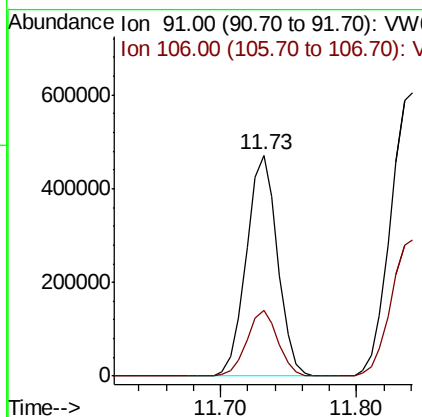
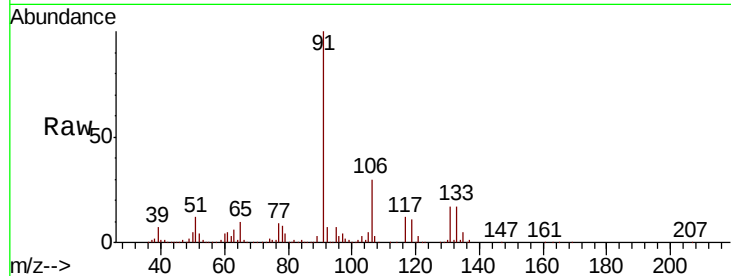




#67
Ethyl Benzene
Concen: 54.031 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012218.D
Acq: 27 Aug 2019 17:44

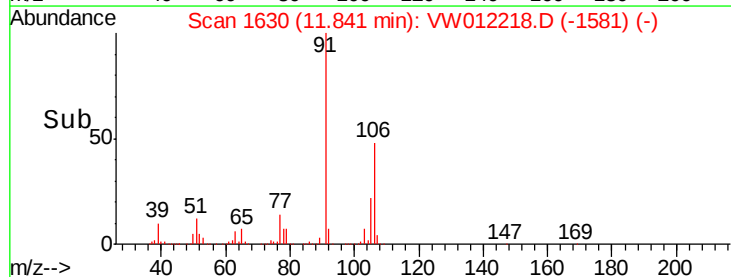
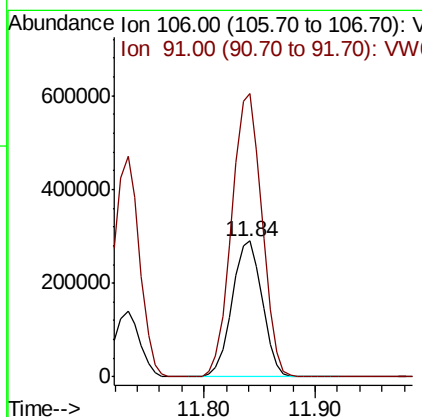
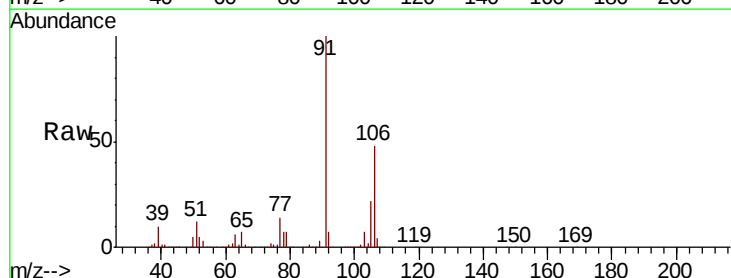
Instrument :
MSVOA_W
ClientSampleId :
S402-K1-1.0-1.5-082619MSD

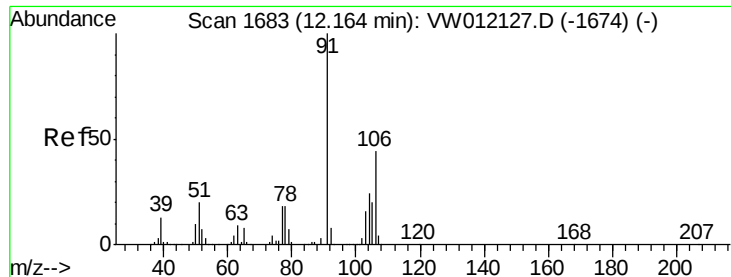
Tgt Ion: 91 Resp: 756222
Ion Ratio Lower Upper
91 100
106 29.8 24.3 36.5



#68
m/p-Xylenes
Concen: 107.667 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW012218.D
Acq: 27 Aug 2019 17:44

Tgt Ion: 106 Resp: 542805
Ion Ratio Lower Upper
106 100
91 209.9 169.5 254.3

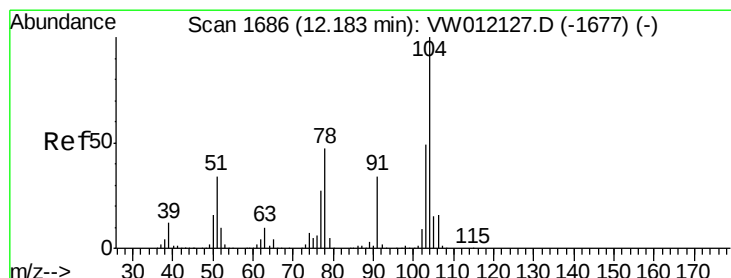
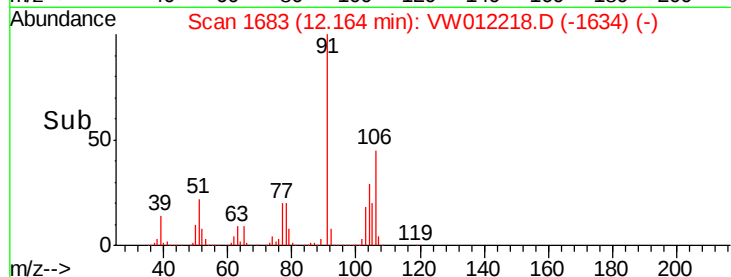
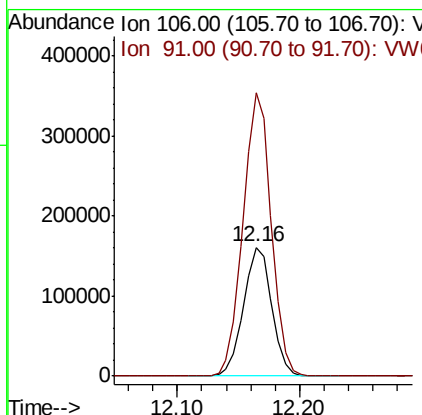
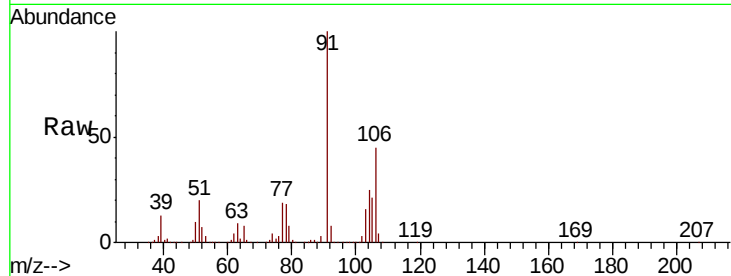




#69
o-Xylene
Concen: 55.094 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW012218.D
Acq: 27 Aug 2019 17:44

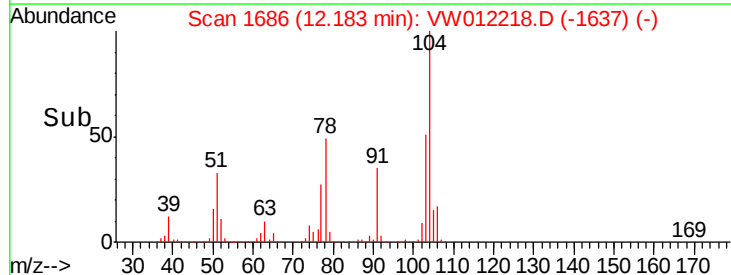
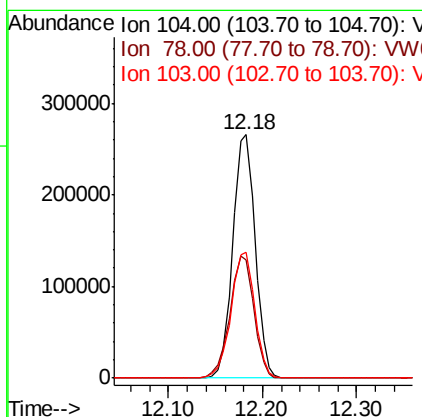
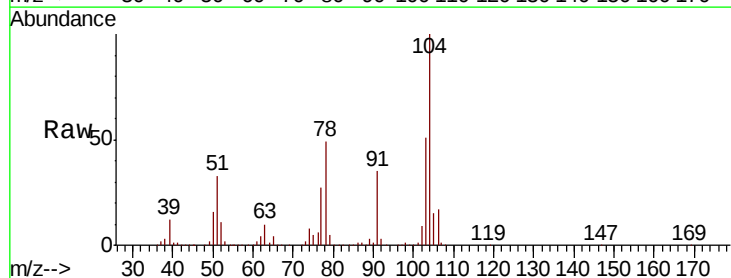
Instrument :
MSVOA_W
ClientSampleId :
S402-K1-1.0-1.5-082619MSD

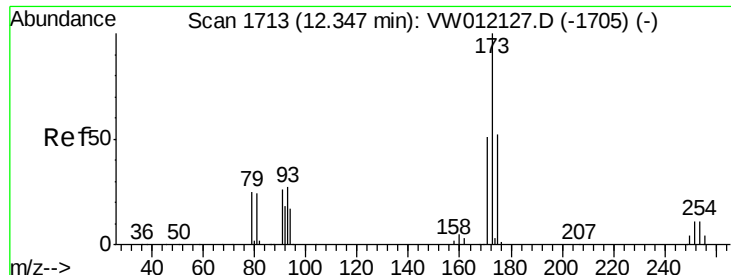
Tgt Ion:106 Resp: 257071
Ion Ratio Lower Upper
106 100
91 219.9 111.6 334.6



#70
Styrene
Concen: 54.410 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW012218.D
Acq: 27 Aug 2019 17:44

Tgt Ion:104 Resp: 439442
Ion Ratio Lower Upper
104 100
78 53.9 43.1 64.7
103 54.8 43.5 65.3

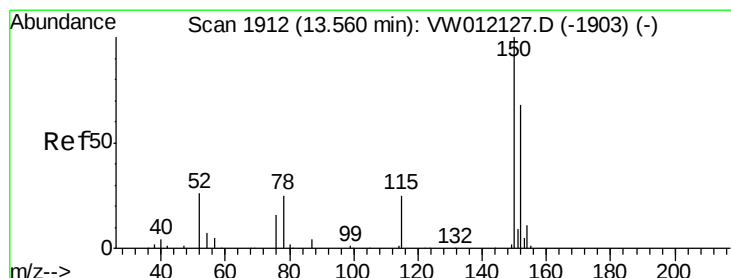
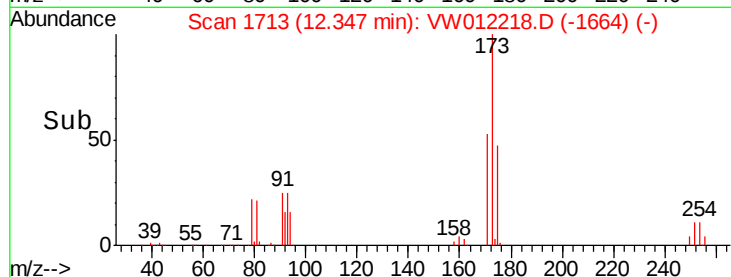
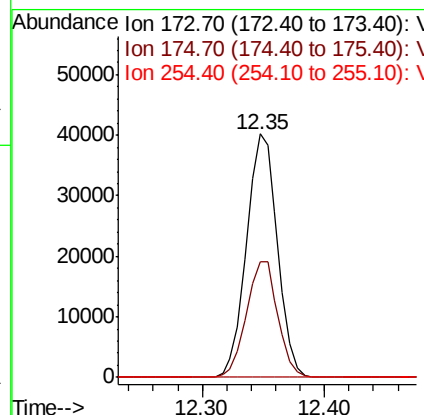
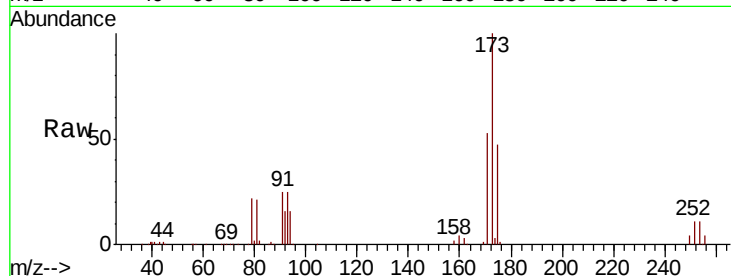




#71
Bromoform
Concen: 55.641 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW012218.D
Acq: 27 Aug 2019 17:44

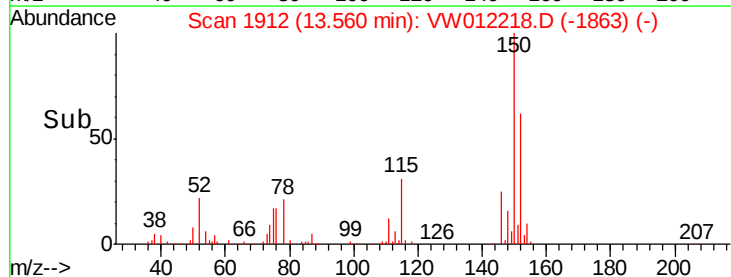
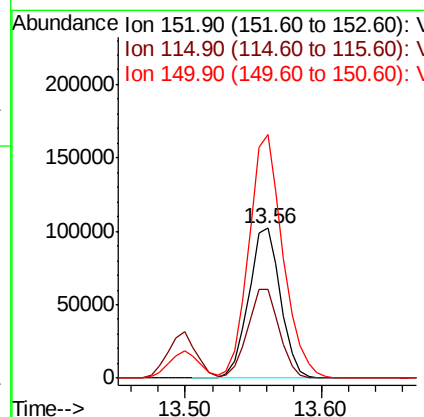
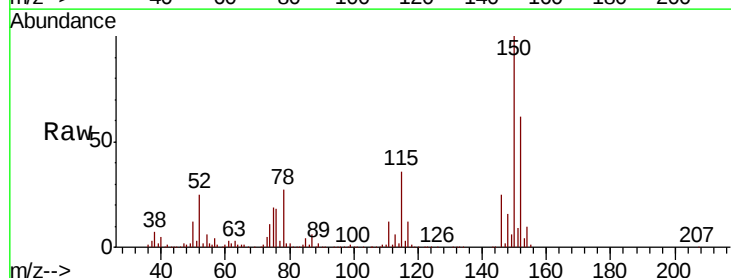
Instrument :
MSVOA_W
ClientSampleId :
S402-K1-1.0-1.5-082619MSD

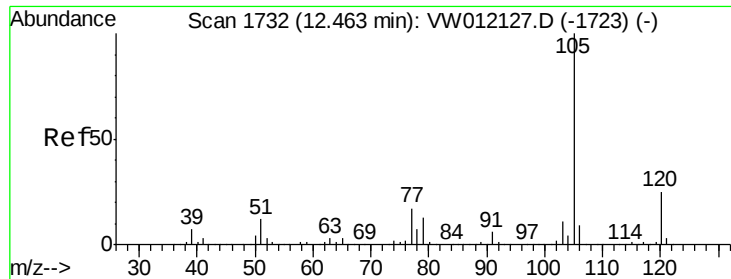
Tgt Ion:173 Resp: 70266
Ion Ratio Lower Upper
173 100
175 48.5 24.6 74.0
254 0.1 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW012218.D
Acq: 27 Aug 2019 17:44

Tgt Ion:152 Resp: 167094
Ion Ratio Lower Upper
152 100
115 59.2 30.1 90.3
150 173.6 0.0 345.8





#73

Isopropylbenzene

Concen: 56.274 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

Instrument :

MSVOA_W

ClientSampleId :

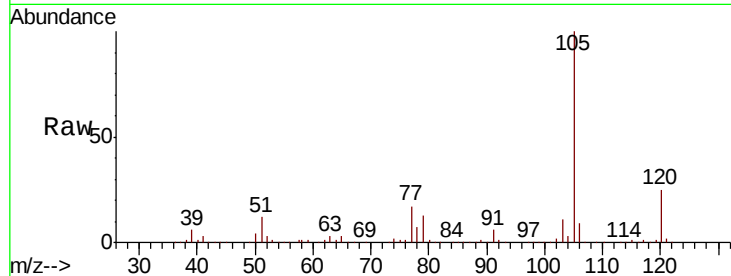
S402-K1-1.0-1.5-082619MSD

Tgt Ion: 105 Resp: 704579

Ion Ratio Lower Upper

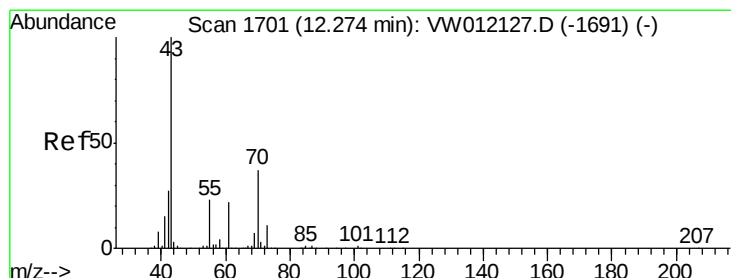
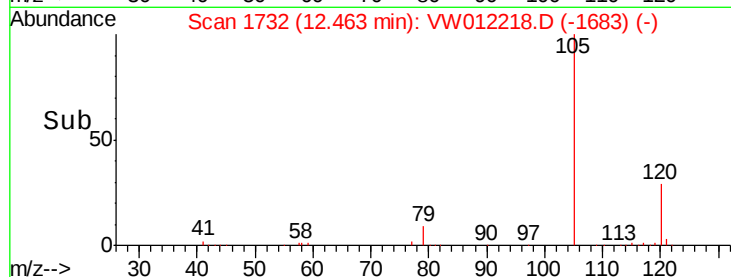
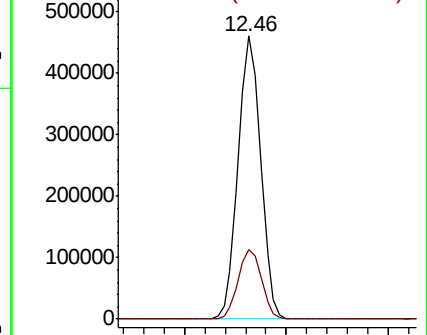
105 100

120 25.5 12.5 37.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 27.923 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

Tgt Ion: 43 Resp: 105627

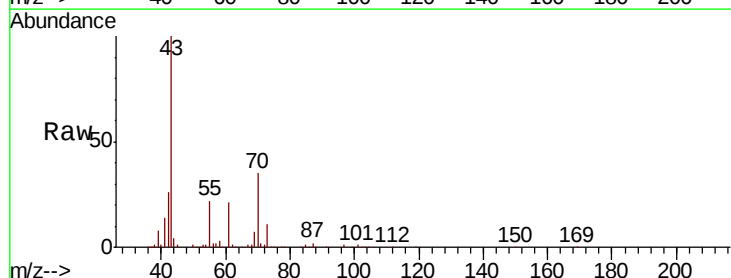
Ion Ratio Lower Upper

43 100

70 35.8 28.6 43.0

55 23.0 17.8 26.6

61 21.4 17.3 25.9

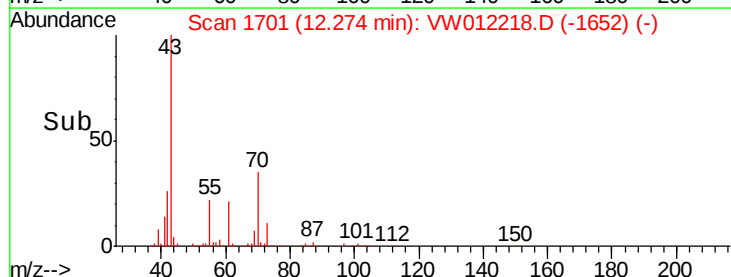
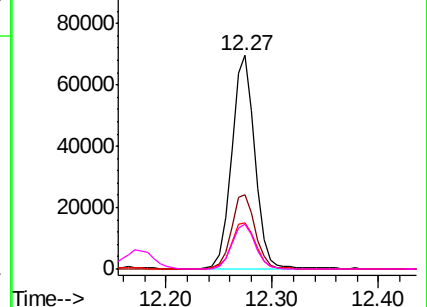


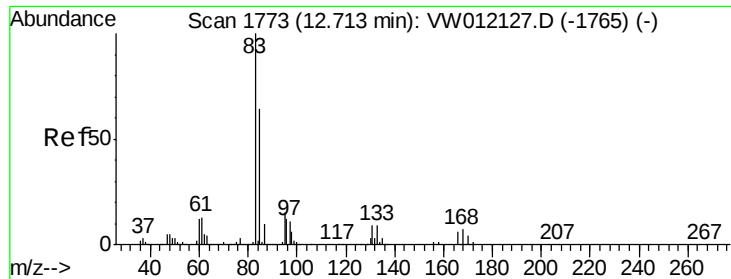
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 56.438 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

Instrument :

MSVOA_W

ClientSampleId :

S402-K1-1.0-1.5-082619MSD

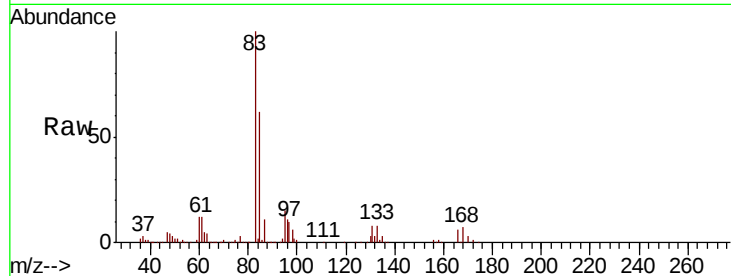
Tgt Ion: 83 Resp: 129548

Ion Ratio Lower Upper

83 100

131 10.0 4.9 14.7

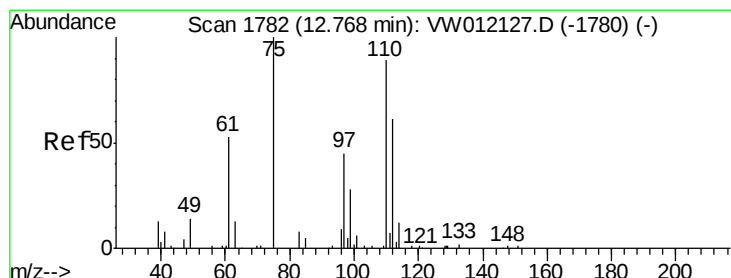
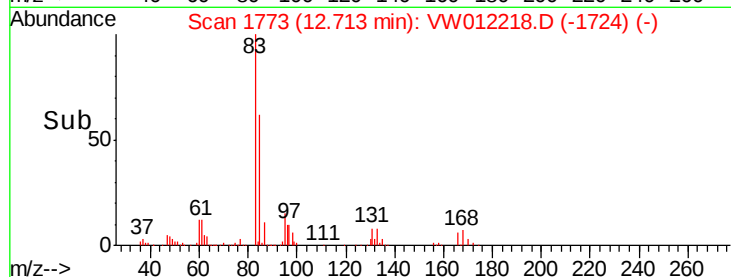
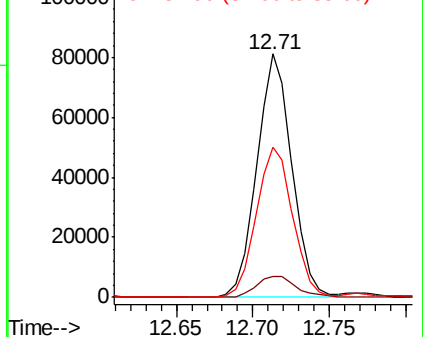
85 63.9 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 105.663 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW012218.D

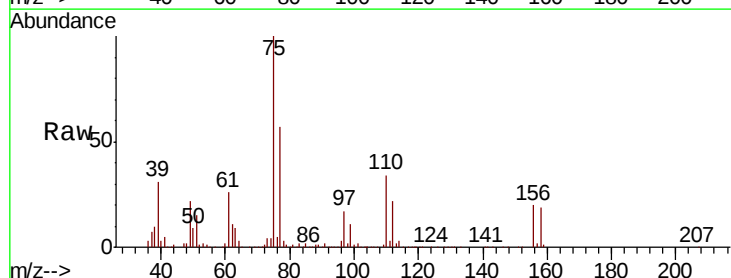
Acq: 27 Aug 2019 17:44

Tgt Ion: 75 Resp: 171953

Ion Ratio Lower Upper

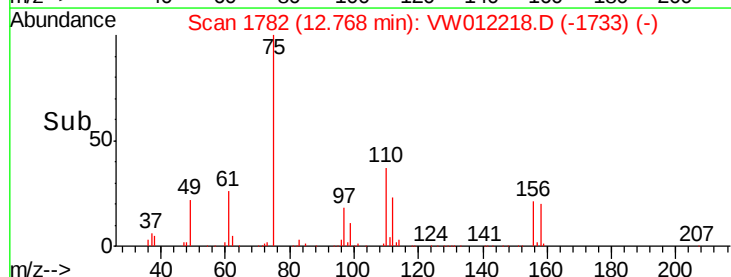
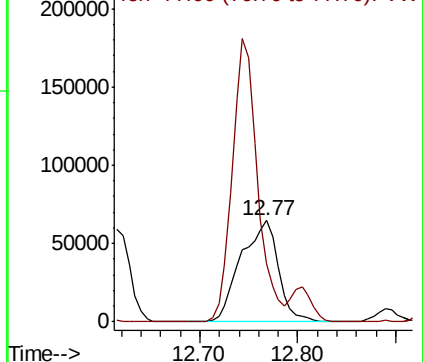
75 100

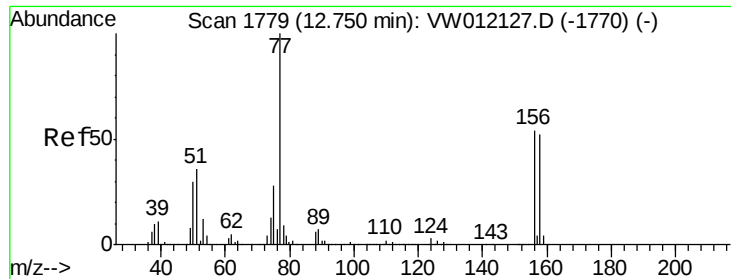
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 56.776 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

Instrument :

MSVOA_W

ClientSampleId :

S402-K1-1.0-1.5-082619MSD

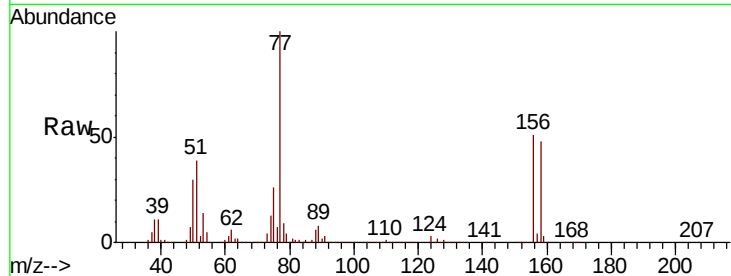
Tgt Ion:156 Resp: 153789

Ion Ratio Lower Upper

156 100

77 211.6 107.3 321.8

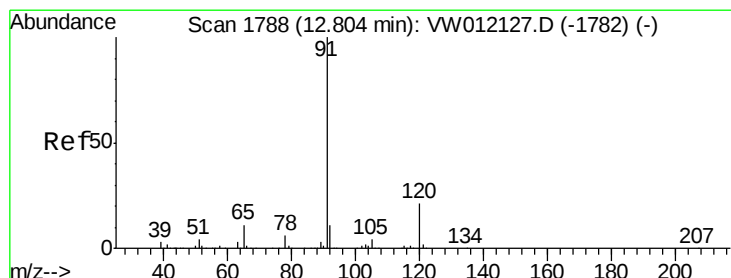
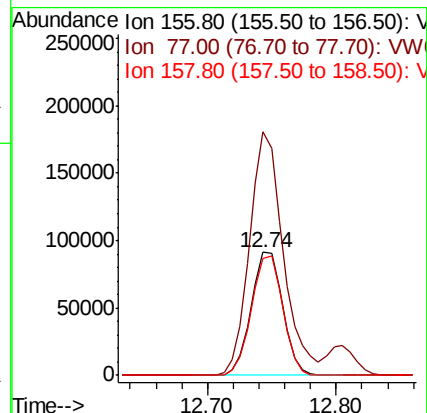
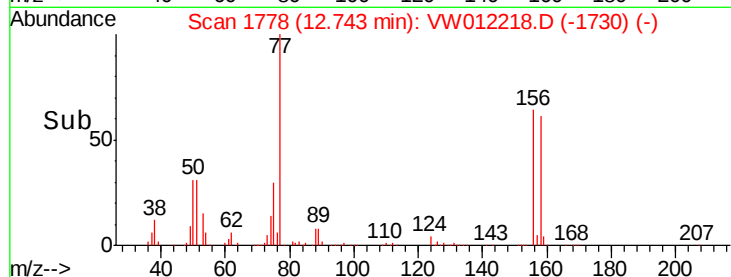
158 96.5 49.0 147.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.798 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW012218.D

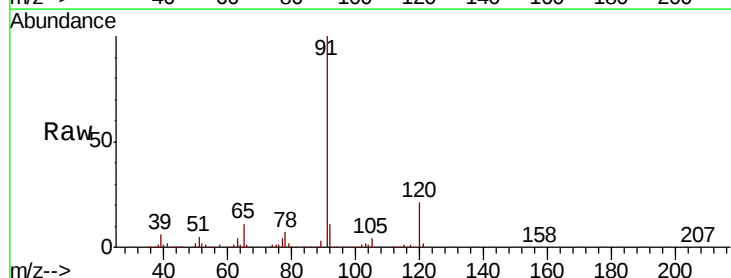
Acq: 27 Aug 2019 17:44

Tgt Ion: 91 Resp: 837597

Ion Ratio Lower Upper

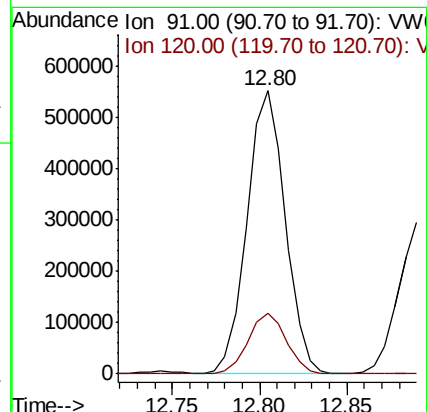
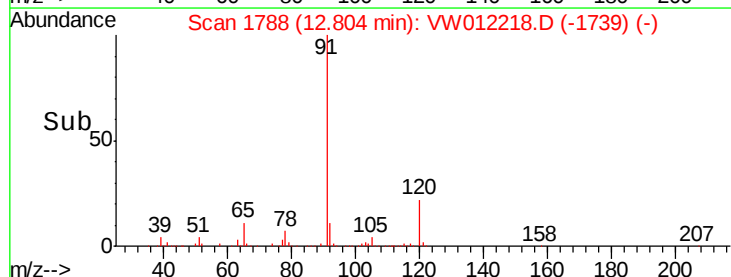
91 100

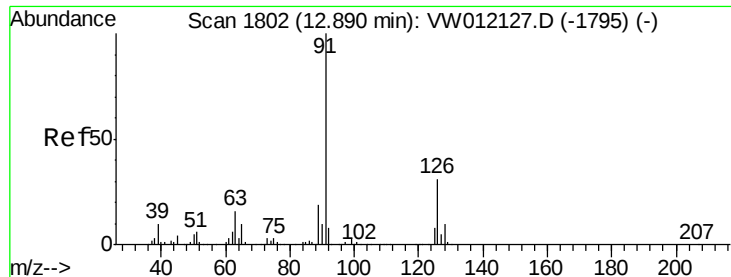
120 21.5 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

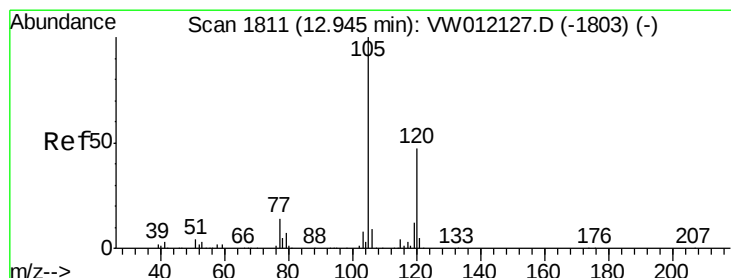
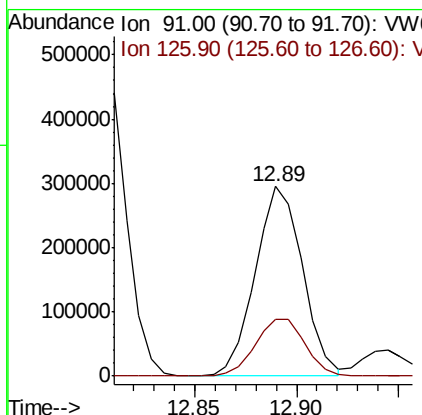
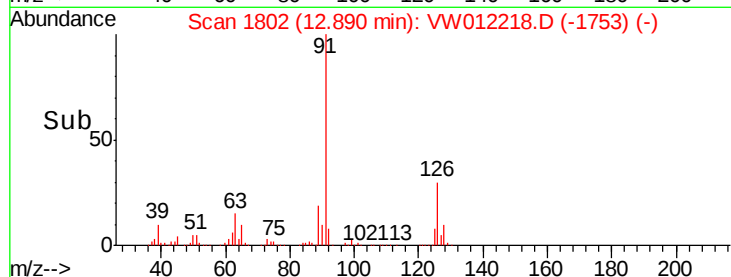
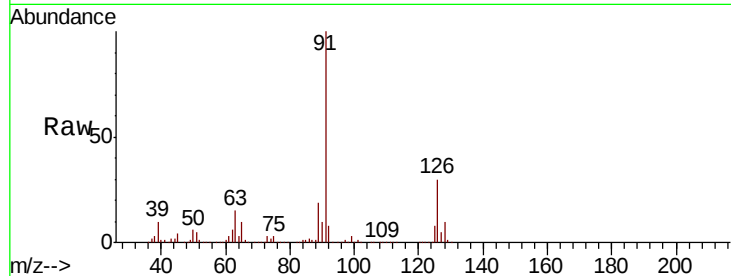




#79
 2-Chlorotoluene
 Concen: 55.051 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VW012218.D
 Acq: 27 Aug 2019 17:44

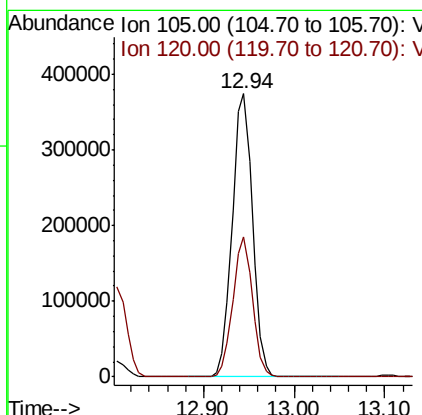
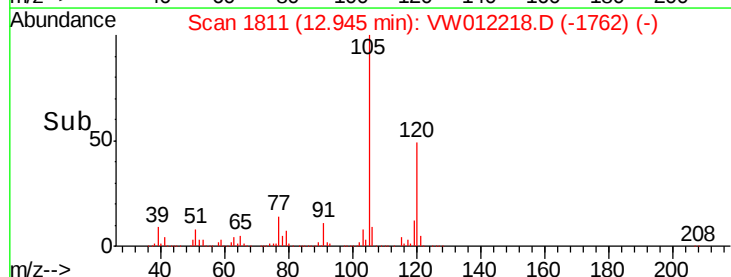
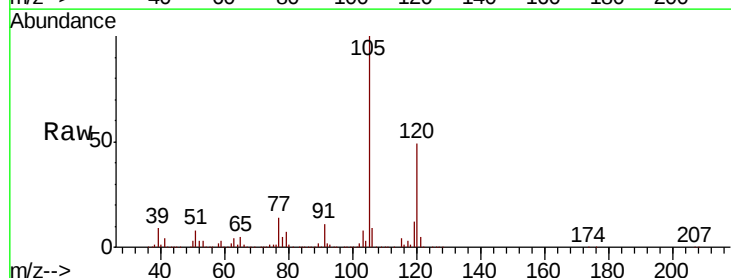
Instrument :
 MSVOA_W
 ClientSampleId :
 S402-K1-1.0-1.5-082619MSD

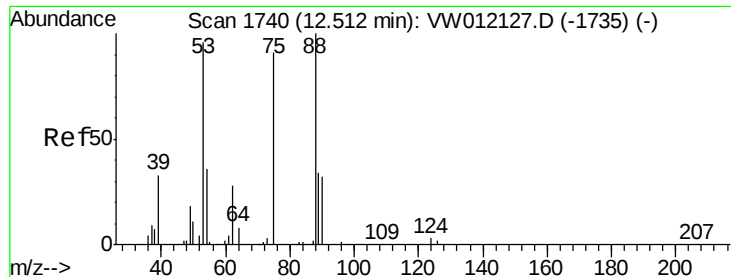
Tgt Ion: 91 Resp: 477738
 Ion Ratio Lower Upper
 91 100
 126 31.4 15.7 47.0



#80
 1,3,5-Trimethylbenzene
 Concen: 55.516 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW012218.D
 Acq: 27 Aug 2019 17:44

Tgt Ion: 105 Resp: 580815
 Ion Ratio Lower Upper
 105 100
 120 47.8 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 58.192 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

Instrument :

MSVOA_W

ClientSampleId :

S402-K1-1.0-1.5-082619MSD

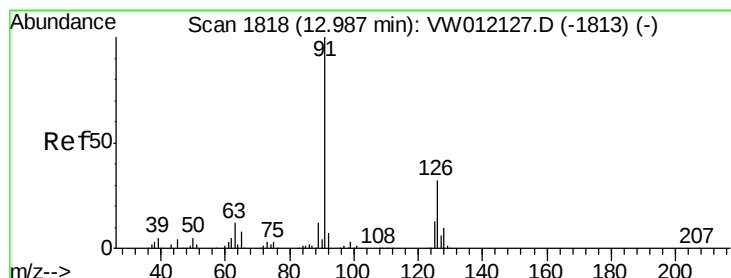
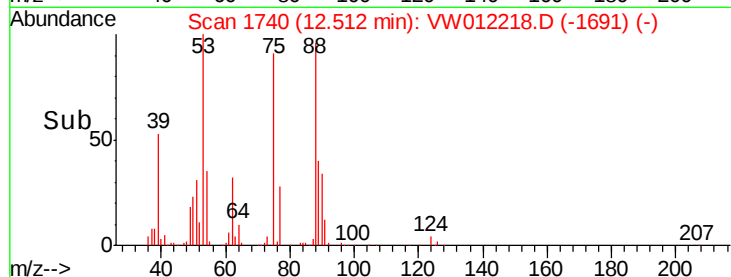
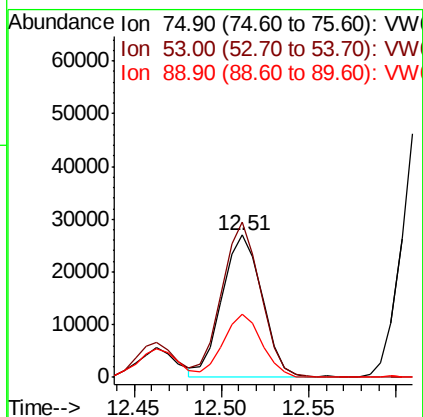
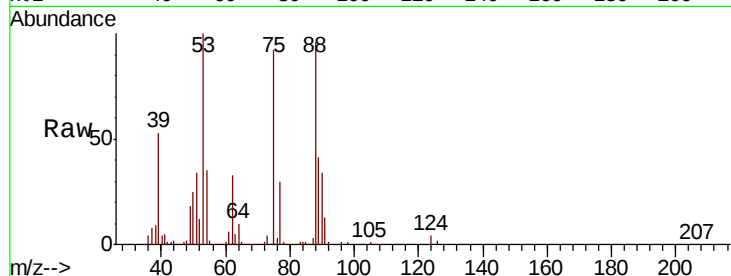
Tgt Ion: 75 Resp: 43192

Ion Ratio Lower Upper

75 100

53 105.2 89.4 134.0

89 42.7 34.5 51.7



#82

4-Chlorotoluene

Concen: 54.701 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW012218.D

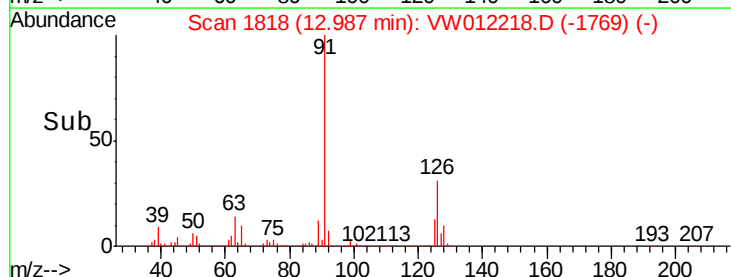
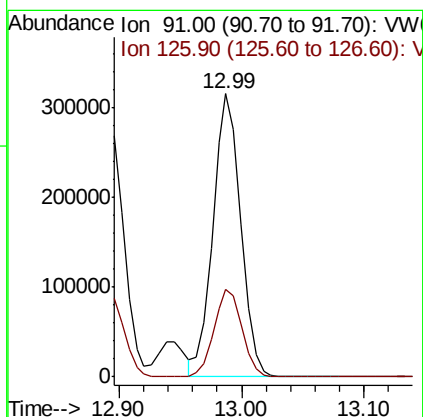
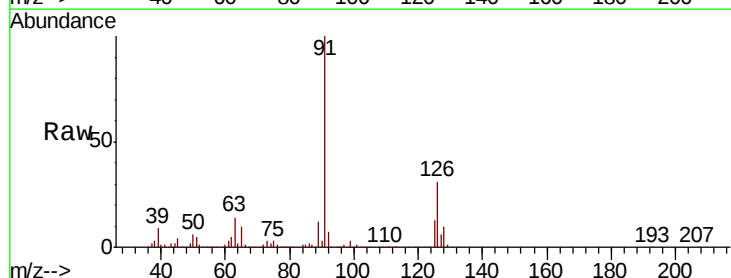
Acq: 27 Aug 2019 17:44

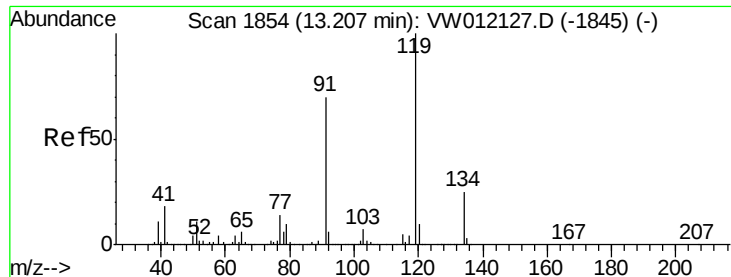
Tgt Ion: 91 Resp: 497042

Ion Ratio Lower Upper

91 100

126 31.2 15.6 46.8

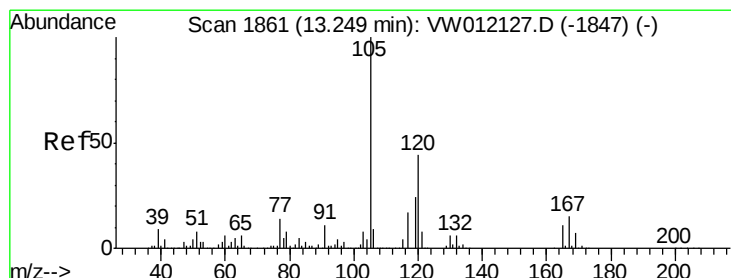
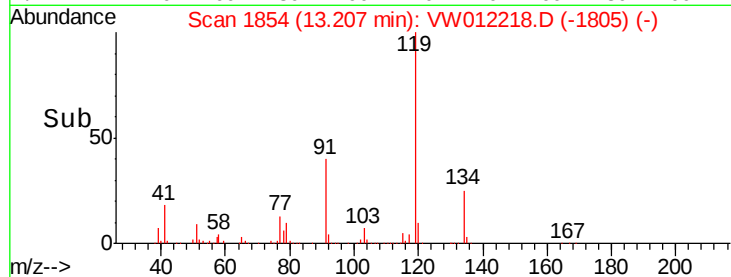
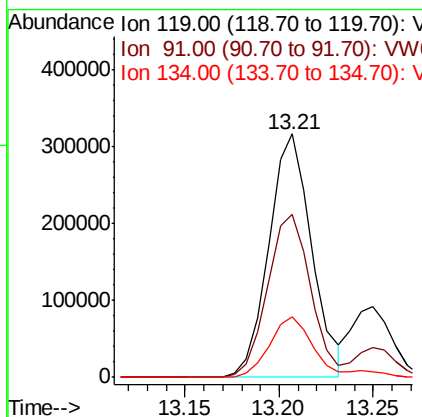
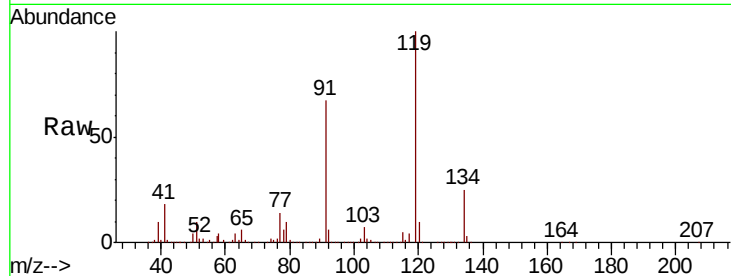




#83
 tert-Butylbenzene
 Concen: 56.287 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW012218.D
 Acq: 27 Aug 2019 17:44

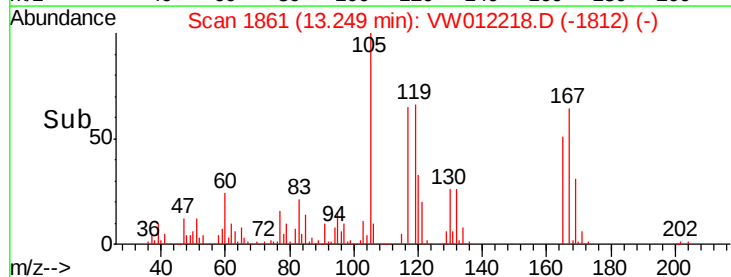
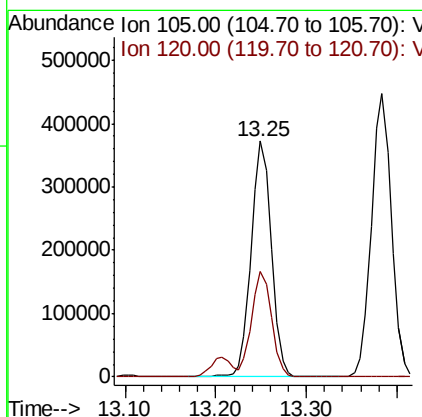
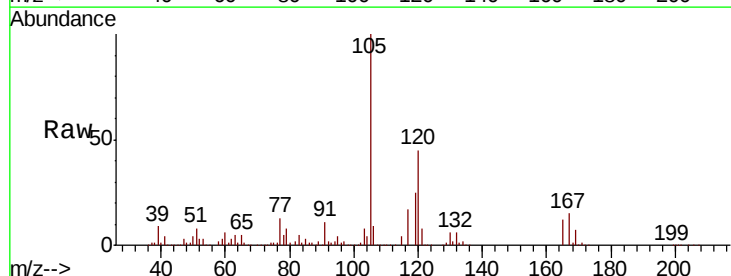
Instrument :
 MSVOA_W
 ClientSampleId :
 S402-K1-1.0-1.5-082619MSD

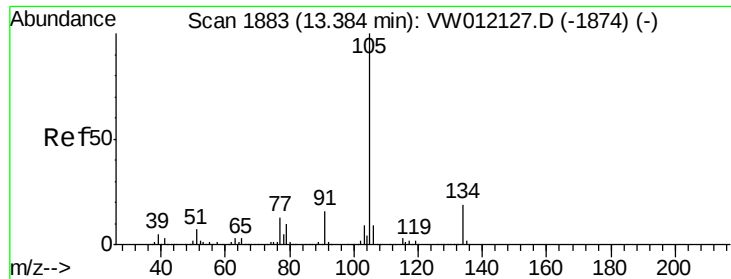
Tgt Ion:119 Resp: 498836
 Ion Ratio Lower Upper
 119 100
 91 67.5 34.8 104.3
 134 24.9 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 54.944 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW012218.D
 Acq: 27 Aug 2019 17:44

Tgt Ion:105 Resp: 577440
 Ion Ratio Lower Upper
 105 100
 120 43.8 21.9 65.7

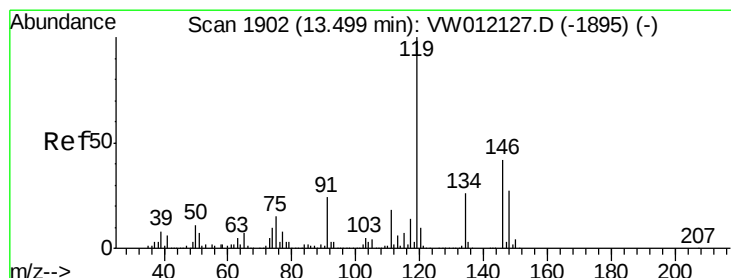
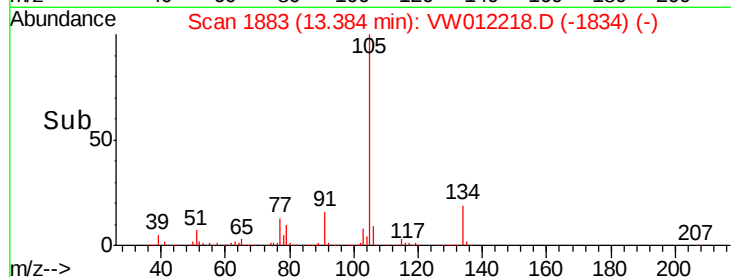
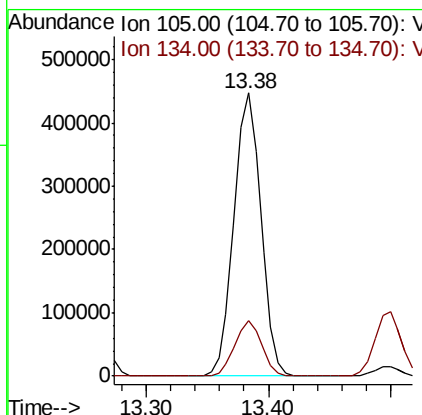
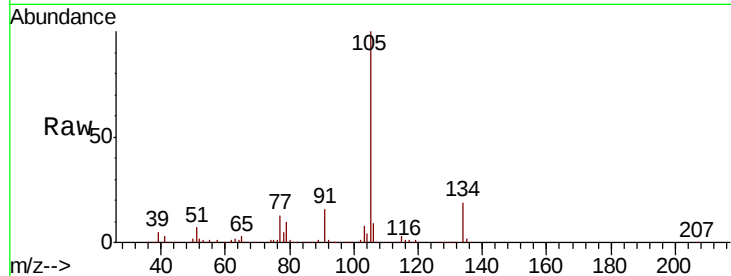




#85
 sec-Butylbenzene
 Concen: 53.818 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW012218.D
 Acq: 27 Aug 2019 17:44

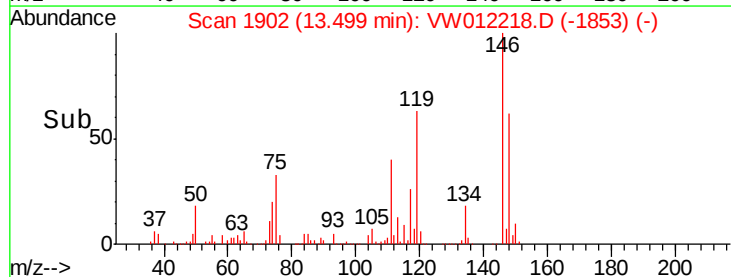
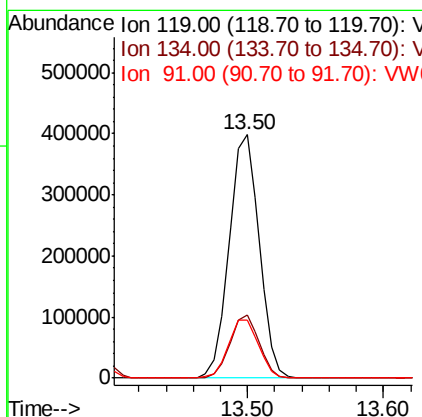
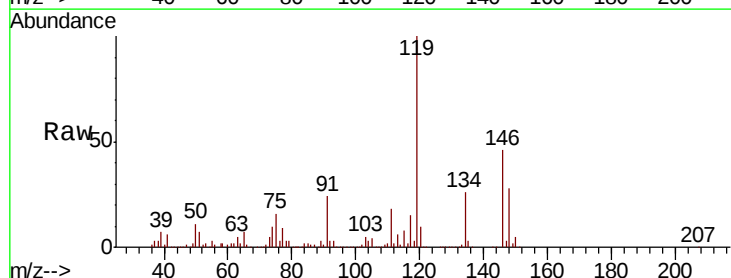
Instrument :
 MSVOA_W
 ClientSampleId :
 S402-K1-1.0-1.5-082619MSD

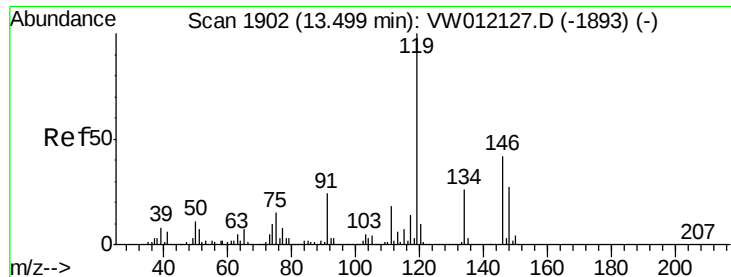
Tgt Ion:105 Resp: 683320
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 53.613 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW012218.D
 Acq: 27 Aug 2019 17:44

Tgt Ion:119 Resp: 607924
 Ion Ratio Lower Upper
 119 100
 134 25.4 12.8 38.3
 91 24.3 12.3 36.9

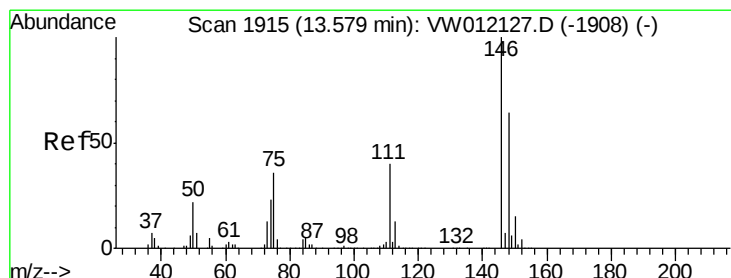
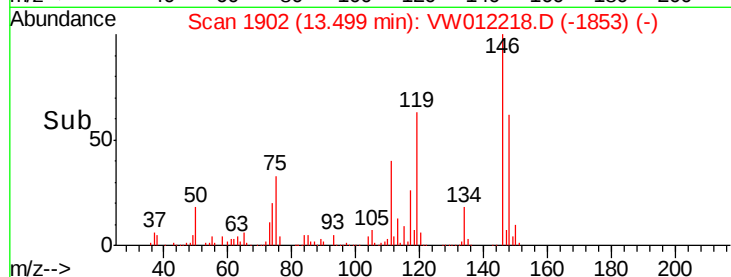
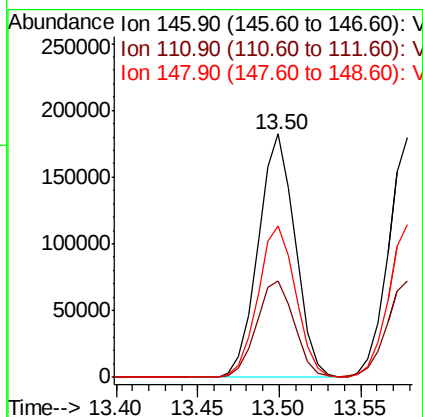
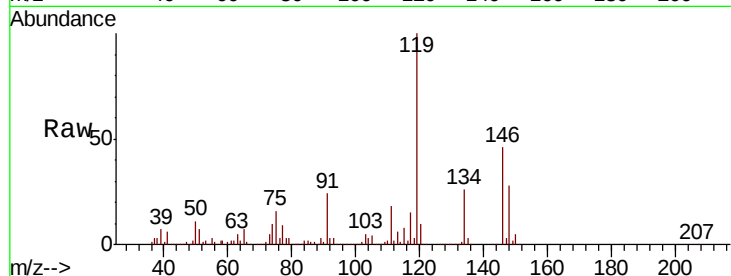




#87
 1,3-Dichlorobenzene
 Concen: 54.067 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW012218.D
 Acq: 27 Aug 2019 17:44

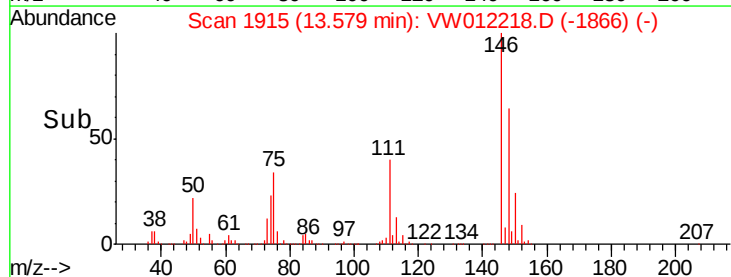
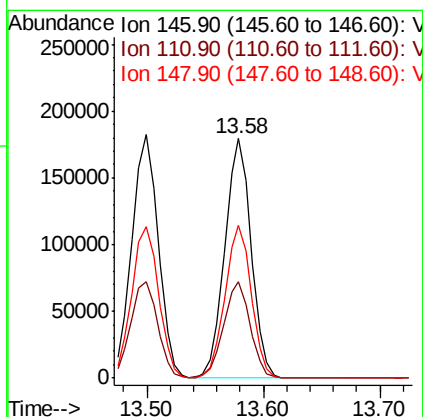
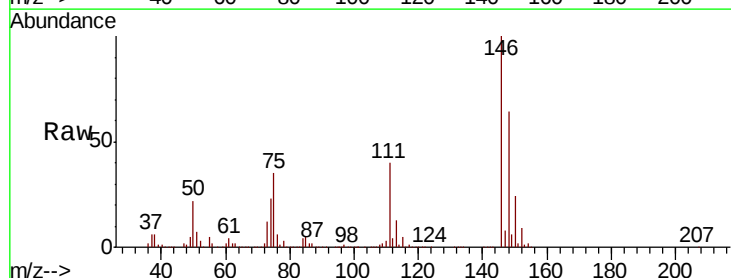
Instrument :
 MSVOA_W
 ClientSampleId :
 S402-K1-1.0-1.5-082619MSD

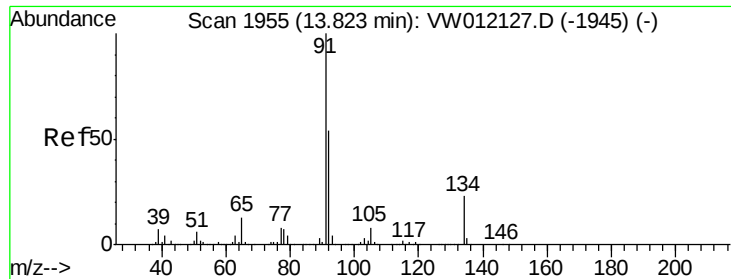
Tgt Ion:146 Resp: 286454
 Ion Ratio Lower Upper
 146 100
 111 40.8 20.9 62.7
 148 63.4 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 53.340 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW012218.D
 Acq: 27 Aug 2019 17:44

Tgt Ion:146 Resp: 280600
 Ion Ratio Lower Upper
 146 100
 111 40.5 20.0 60.0
 148 63.9 32.1 96.3





#89

n-Butylbenzene

Concen: 50.923 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW012218.D

Acq: 27 Aug 2019 17:44

Instrument :

MSVOA_W

ClientSampleId :

S402-K1-1.0-1.5-082619MSD

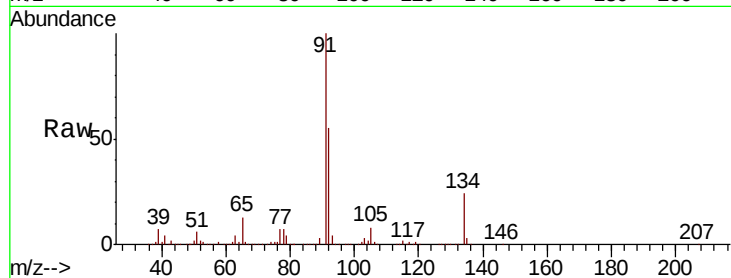
Tgt Ion: 91 Resp: 574202

Ion Ratio Lower Upper

91 100

92 54.4 27.1 81.2

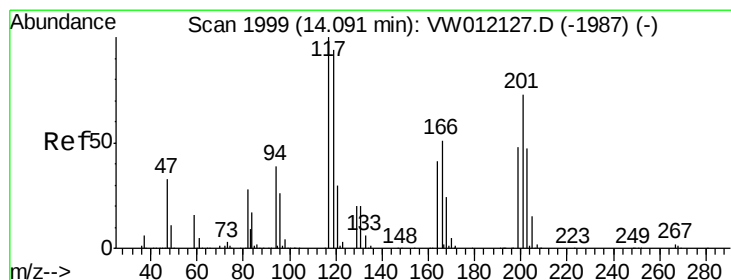
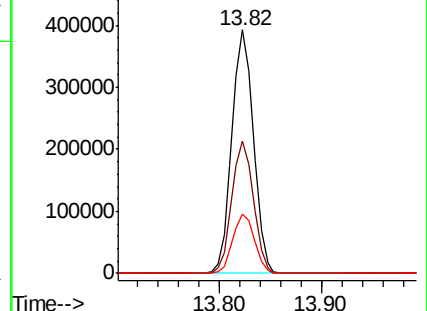
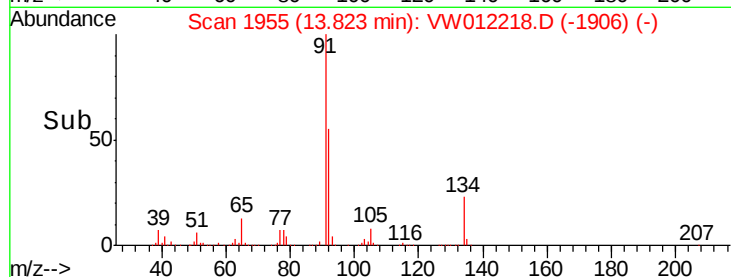
134 24.5 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 54.157 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW012218.D

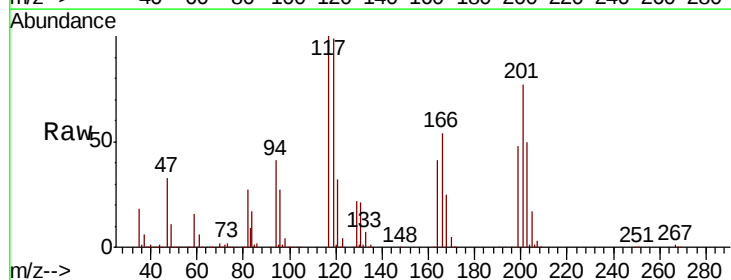
Acq: 27 Aug 2019 17:44

Tgt Ion: 117 Resp: 107739

Ion Ratio Lower Upper

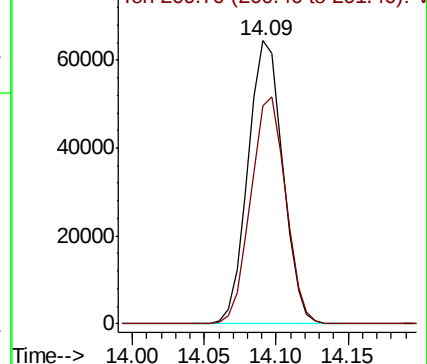
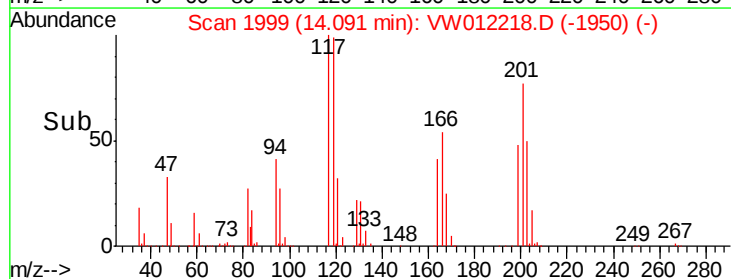
117 100

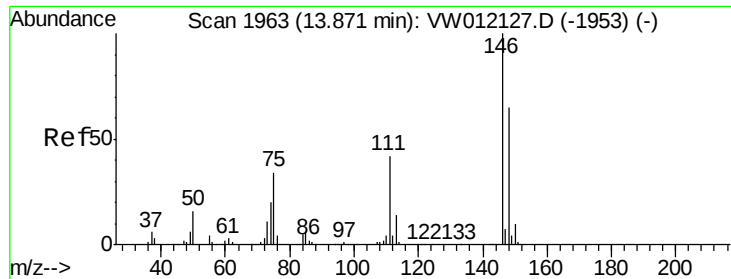
201 80.4 38.6 115.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

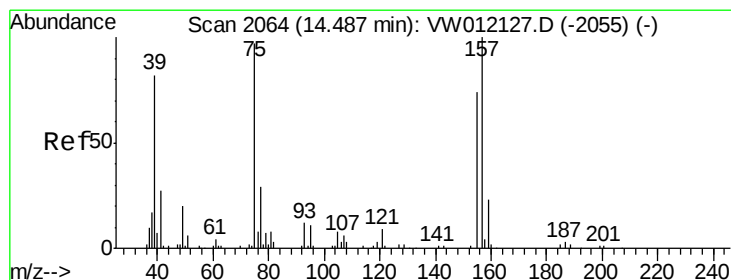
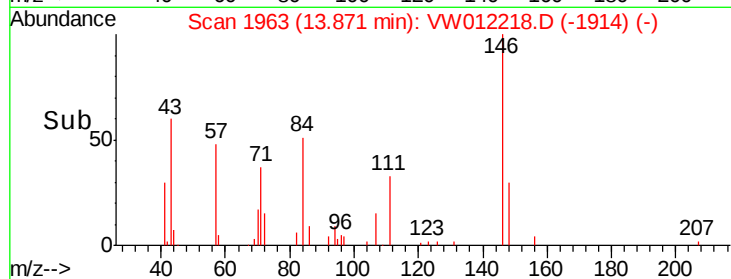
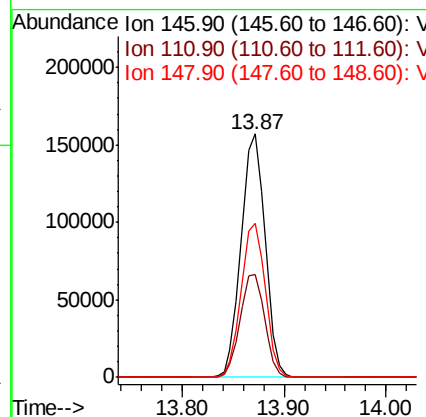
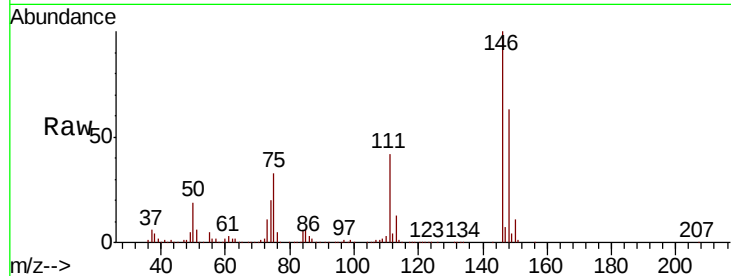




#91
 1,2-Dichlorobenzene
 Concen: 55.020 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW012218.D
 Acq: 27 Aug 2019 17:44

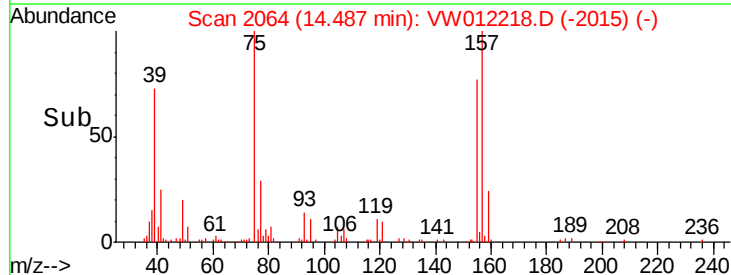
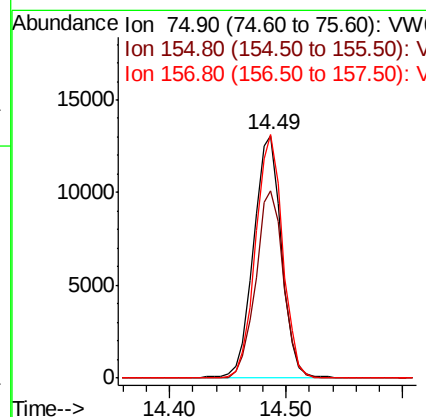
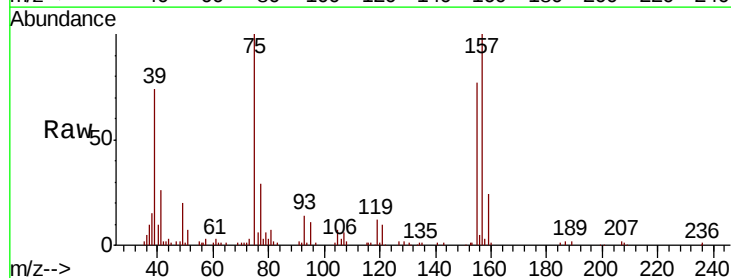
Instrument :
 MSVOA_W
 ClientSampleId :
 S402-K1-1.0-1.5-082619MSD

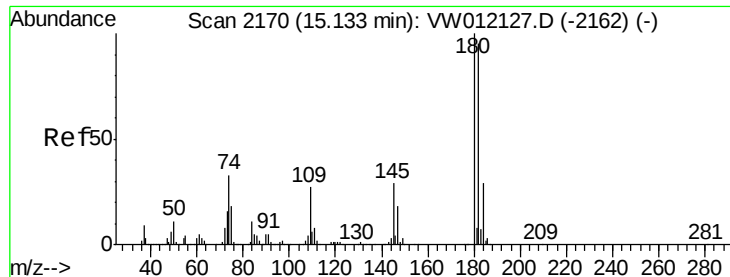
Tgt Ion: 146 Resp: 255723
 Ion Ratio Lower Upper
 146 100
 111 43.0 21.2 63.6
 148 63.7 32.5 97.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.429 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW012218.D
 Acq: 27 Aug 2019 17:44

Tgt Ion: 75 Resp: 21836
 Ion Ratio Lower Upper
 75 100
 155 76.5 37.5 112.3
 157 97.4 50.5 151.5

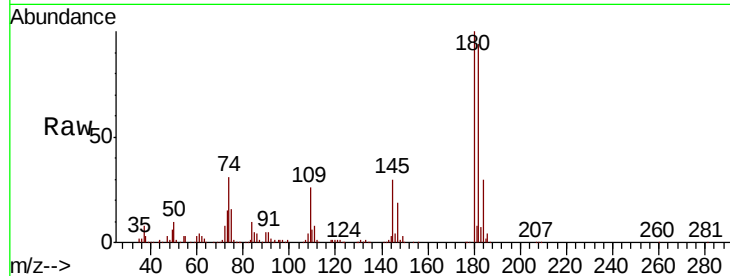




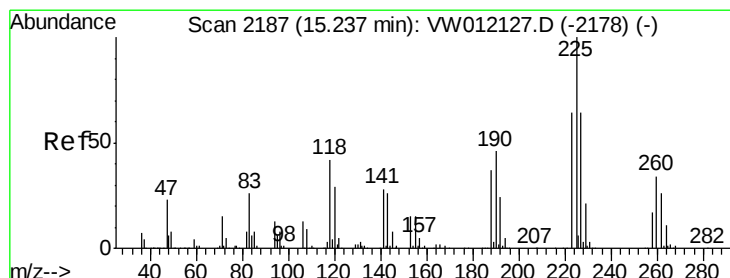
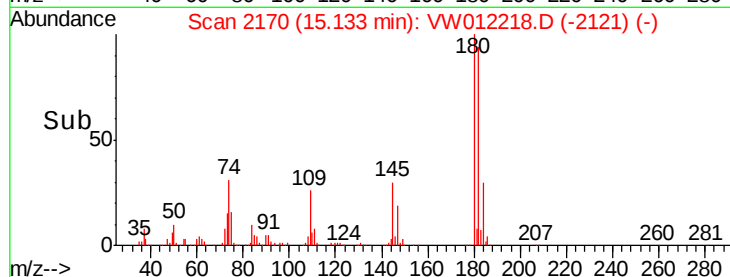
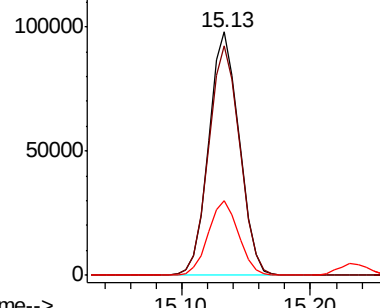
#93
 1,2,4-Trichlorobenzene
 Concen: 49.921 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW012218.D
 Acq: 27 Aug 2019 17:44

Instrument :
 MSVOA_W
 ClientSampleId :
 S402-K1-1.0-1.5-082619MSD

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.8	143.4
145	30.5	15.0	45.1

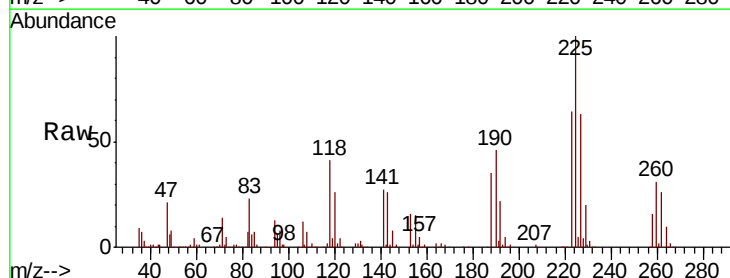


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

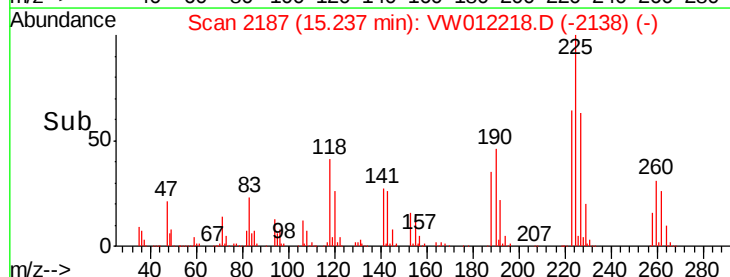
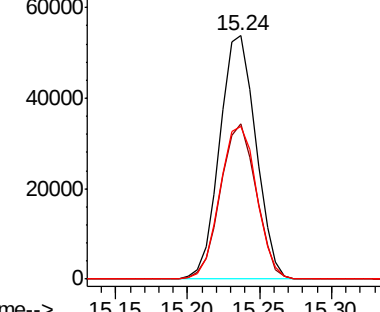


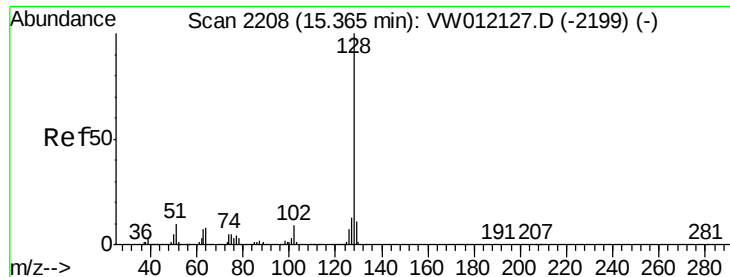
#94
 Hexachlorobutadiene
 Concen: 44.106 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW012218.D
 Acq: 27 Aug 2019 17:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	32.3	96.8
227	63.9	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

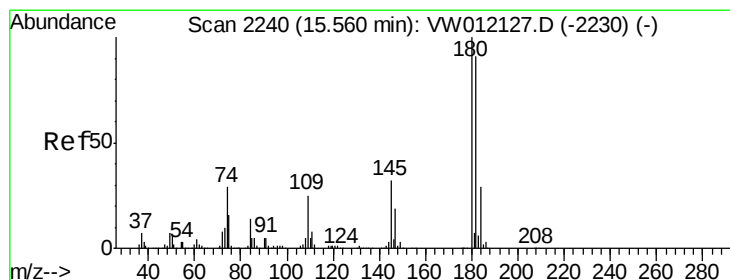
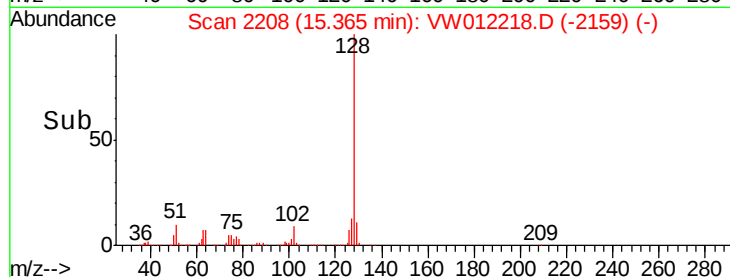
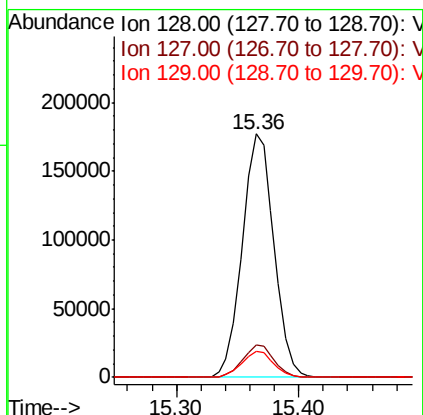
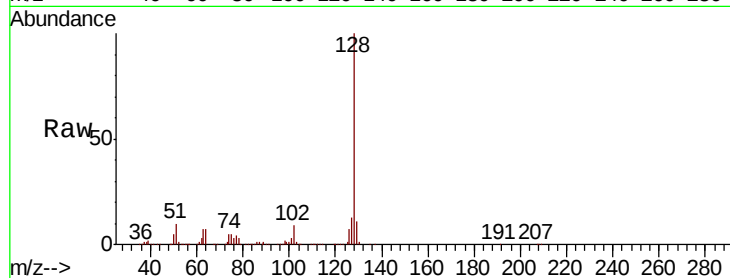




#95
Naphthalene
Concen: 50.387 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012218.D
Acq: 27 Aug 2019 17:44

Instrument :
MSVOA_W
ClientSampleId :
S402-K1-1.0-1.5-082619MSD

Tgt Ion:128 Resp: 317803
Ion Ratio Lower Upper
128 100
127 13.2 10.7 16.1
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 49.522 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012218.D
Acq: 27 Aug 2019 17:44

Tgt Ion:180 Resp: 138777
Ion Ratio Lower Upper
180 100
182 96.8 47.1 141.3
145 31.6 16.2 48.5

