

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082919\
 Data File : VW012316.D
 Acq On : 29 Aug 2019 20:46
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 30 06:51:57 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	219747	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	368078	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	321269	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	152595	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	143037	54.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.52%	
35) Dibromofluoromethane	7.88	113	117596	53.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.04%	
50) Toluene-d8	10.32	98	461208	51.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.54%	
62) 4-Bromofluorobenzene	12.62	95	164814	52.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.96%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.01	85	59957	44.312	ug/l 99
3) Chloromethane	2.21	50	103731	49.483	ug/l 100
4) Vinyl Chloride	2.36	62	122178	47.619	ug/l 100
5) Bromomethane	2.75	94	61485	47.317	ug/l 98
6) Chloroethane	2.90	64	72112	49.822	ug/l 96
7) Trichlorofluoromethane	3.25	101	66144	51.340	ug/l 100
8) Diethyl Ether	3.68	74	69764	57.049	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	104588	47.759	ug/l 98
10) Methyl Iodide	4.26	142	160970	54.326	ug/l 99
11) Tert butyl alcohol	5.18	59	44093	280.482	ug/l 100
12) 1,1-Dichloroethene	4.03	96	109885	49.853	ug/l 96
13) Acrolein	3.89	56	30865	208.576	ug/l 99
14) Allyl chloride	4.66	41	258360	54.828	ug/l 99
15) Acrylonitrile	5.36	53	173711	286.587	ug/l 100
16) Acetone	4.12	43	152308	228.092	ug/l 100
17) Carbon Disulfide	4.38	76	316063	47.447	ug/l 99
18) Methyl Acetate	4.67	43	97613	59.020	ug/l 99
19) Methyl tert-butyl Ether	5.42	73	211387	59.304	ug/l 99
20) Methylene Chloride	4.91	84	151981	60.206	ug/l 97
21) trans-1,2-Dichloroethene	5.42	96	126155	53.373	ug/l 98
22) Diisopropyl ether	6.31	45	503171	57.608	ug/l 97
23) Vinyl Acetate	6.25	43	1535336	285.626	ug/l 100
24) 1,1-Dichloroethane	6.21	63	260691	54.816	ug/l 100
25) 2-Butanone	7.16	43	240896	265.482	ug/l 99
26) 2,2-Dichloropropane	7.16	77	132513	49.228	ug/l 99
27) cis-1,2-Dichloroethene	7.16	96	141714	56.117	ug/l 99
28) Bromochloromethane	7.51	49	113729	54.867	ug/l 97
29) Tetrahydrofuran	7.52	42	158638	291.402	ug/l 99
30) Chloroform	7.67	83	238580	54.833	ug/l 100
31) Cyclohexane	7.95	56	215481	45.796	ug/l 98
32) 1,1,1-Trichloroethane	7.87	97	178544	51.872	ug/l 100
36) 1,1-Dichloropropene	8.08	75	186449	49.018	ug/l 99
37) Ethyl Acetate	7.25	43	110863	53.188	ug/l 100
38) Carbon Tetrachloride	8.07	117	159843	48.553	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	203571	47.640	ug/l	99
40) Benzene	8.32	78	540278	52.019	ug/l	100
41) Methacrylonitrile	7.48	41	60966	49.766	ug/l	90
42) 1,2-Dichloroethane	8.40	62	171637	52.728	ug/l	99
43) Isopropyl Acetate	8.42	43	212165	54.953	ug/l	99
44) Trichloroethene	9.09	130	131138	51.939	ug/l	95
45) 1,2-Dichloropropane	9.37	63	148548	53.143	ug/l	99
46) Dibromomethane	9.46	93	66576	53.531	ug/l	99
47) Bromodichloromethane	9.64	83	175577	53.045	ug/l	99
48) Methyl methacrylate	9.43	41	103328	56.230	ug/l	98
49) 1,4-Dioxane	9.45	88	19158	1006.233	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	536100	272.997	ug/l	100
52) Toluene	10.38	92	326619	52.348	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	182956	54.264	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	219404	53.894	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	95278	54.146	ug/l	98
56) Ethyl methacrylate	10.65	69	144840	56.556	ug/l	99
57) 1,3-Dichloropropane	10.93	76	180926	54.409	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	375169	285.437	ug/l	100
59) 2-Hexanone	10.97	43	362667	261.008	ug/l	99
60) Dibromochloromethane	11.13	129	105215	53.683	ug/l	98
61) 1,2-Dibromoethane	11.23	107	90003	54.902	ug/l	100
64) Tetrachloroethene	10.86	164	107889	51.798	ug/l	99
65) Chlorobenzene	11.66	112	328265	51.891	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	116393	52.740	ug/l	98
67) Ethyl Benzene	11.73	91	633409	51.978	ug/l	100
68) m/p-Xylenes	11.83	106	455944	103.870	ug/l	99
69) o-Xylene	12.16	106	217062	53.428	ug/l	99
70) Styrene	12.18	104	376942	53.603	ug/l	99
71) Bromoform	12.35	173	58745	53.427	ug/l	100
73) Isopropylbenzene	12.46	105	594970	52.034	ug/l	99
74) N-amyl acetate	12.27	43	190109	55.031	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	110665	52.793	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	147140	99.006	ug/l #	100
77) Bromobenzene	12.74	156	133746	54.068	ug/l	97
78) n-propylbenzene	12.80	91	713810	51.137	ug/l	99
79) 2-Chlorotoluene	12.89	91	415332	52.408	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	500940	52.430	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	36282	53.527	ug/l	96
82) 4-Chlorotoluene	12.99	91	433221	52.207	ug/l	100
83) tert-Butylbenzene	13.21	119	425822	52.614	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	500273	52.125	ug/l	100
85) sec-Butylbenzene	13.38	105	583883	50.356	ug/l	100
86) p-Isopropyltoluene	13.50	119	533921	51.561	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	249122	51.489	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	250466	52.135	ug/l	99
89) n-Butylbenzene	13.82	91	521778	50.670	ug/l	99
90) Hexachloroethane	14.09	117	92136	50.714	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	223569	52.672	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	18404	52.079	ug/l	99

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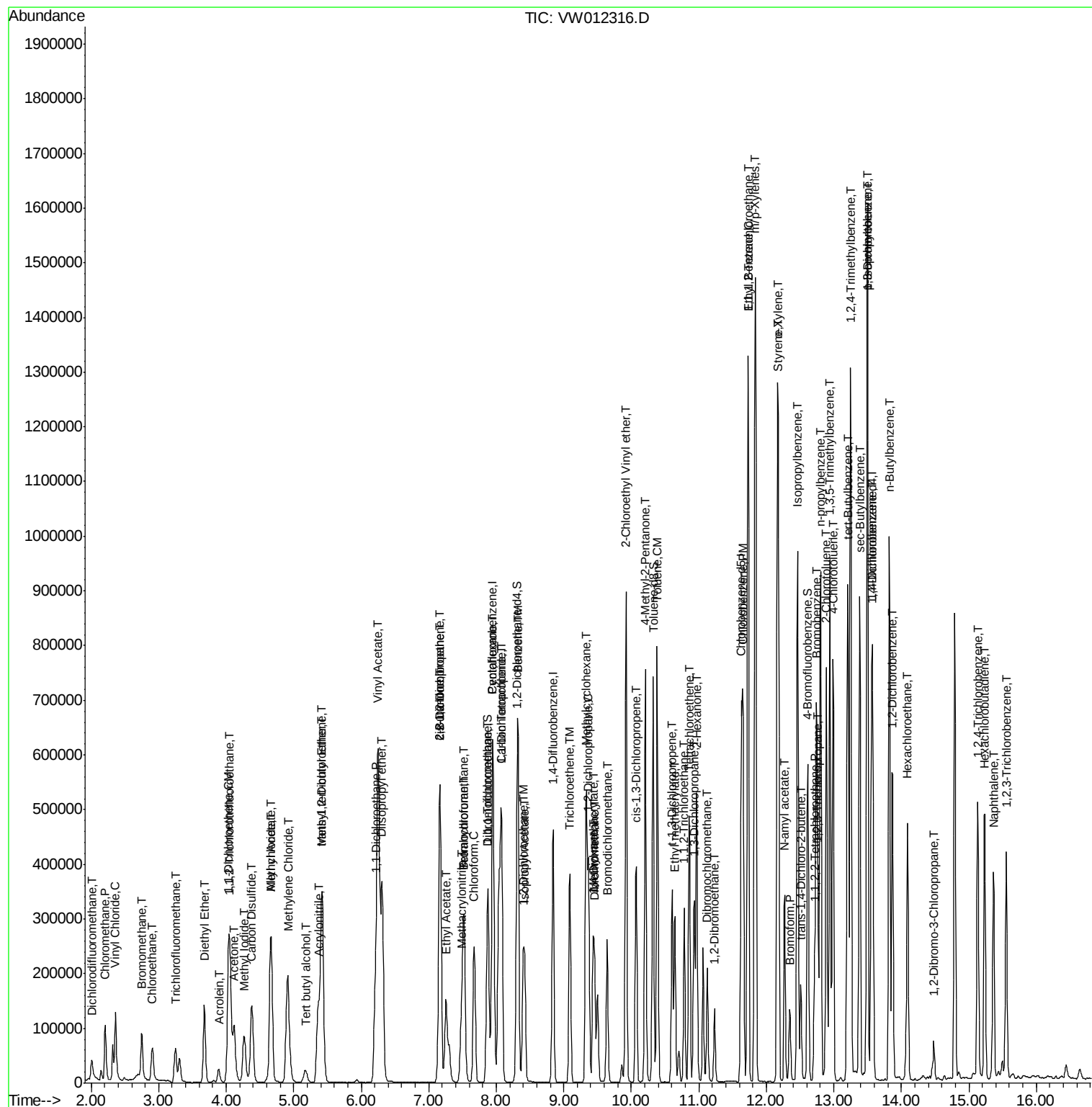
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	159112	54.245	ug/l	99
94) Hexachlorobutadiene	15.24	225	99850	51.554	ug/l	98
95) Naphthalene	15.36	128	307501	53.129	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	141181	55.167	ug/l	99

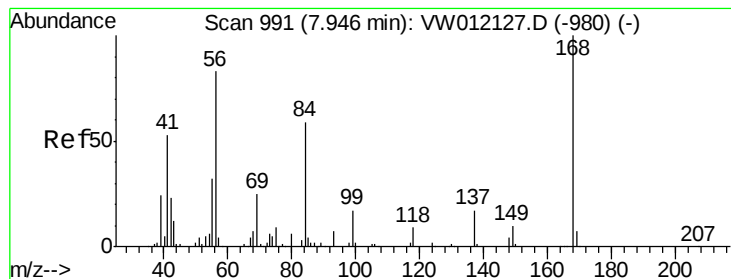
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW082919\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

Instrument :

MSVOA_W

ClientSampleId :

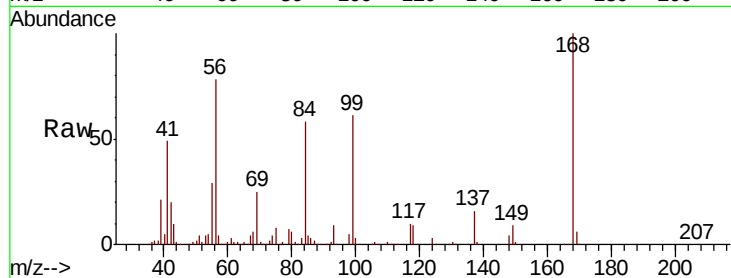
VSTDCCC050EC

Tgt Ion:168 Resp: 219747

Ion Ratio Lower Upper

168 100

99 60.9 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

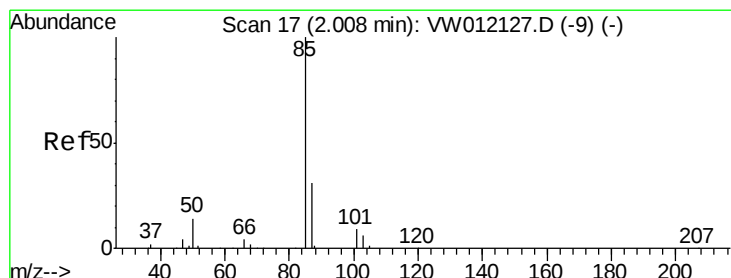
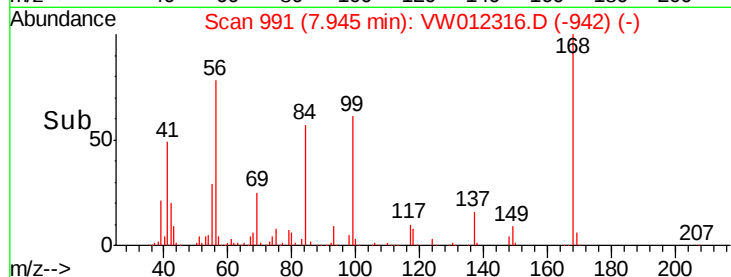
40000

20000

0

Time-->

7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 44.312 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012316.D

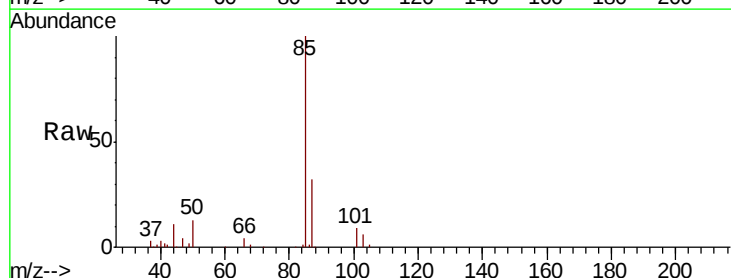
Acq: 29 Aug 2019 20:46

Tgt Ion: 85 Resp: 59957

Ion Ratio Lower Upper

85 100

87 31.5 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

25000

20000

15000

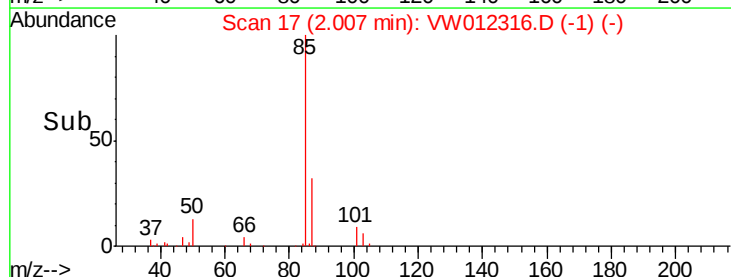
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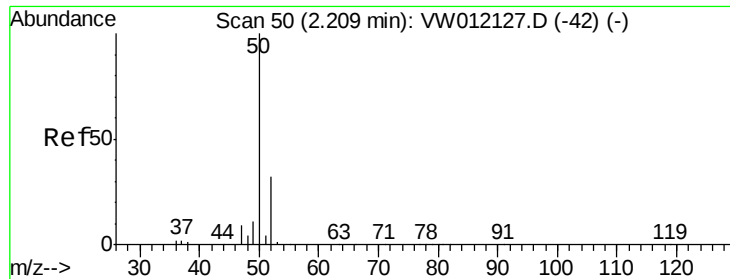
5000

0

Time-->

1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 49.483 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

Instrument :

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ClientSampleId :

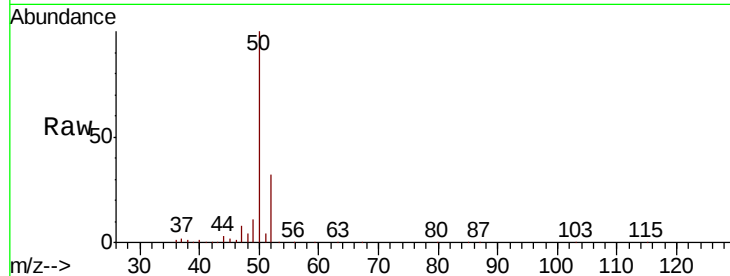
VSTDCCC050EC

Tgt Ion: 50 Resp: 103731

Ion Ratio Lower Upper

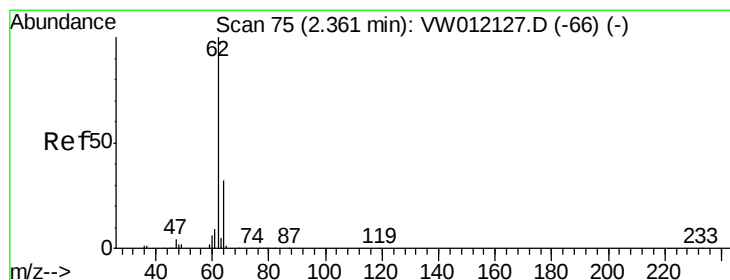
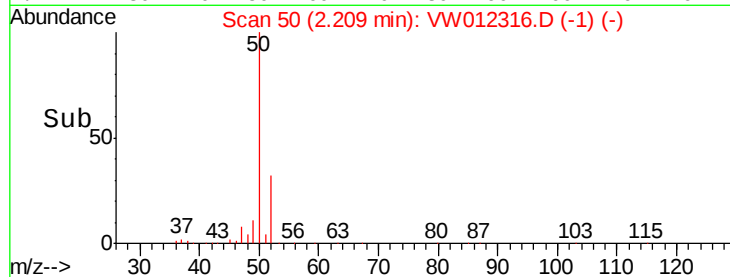
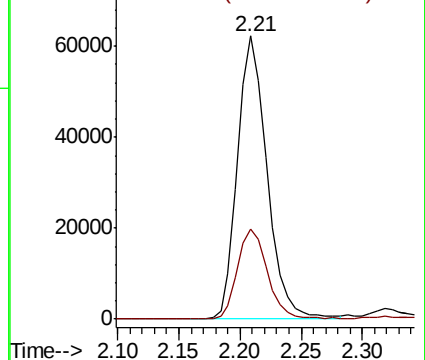
50 100

52 31.9 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 47.619 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012316.D

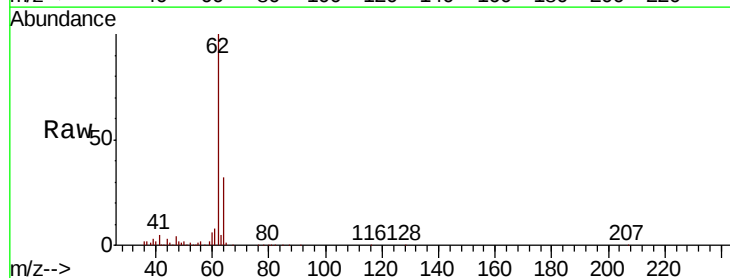
Acq: 29 Aug 2019 20:46

Tgt Ion: 62 Resp: 122178

Ion Ratio Lower Upper

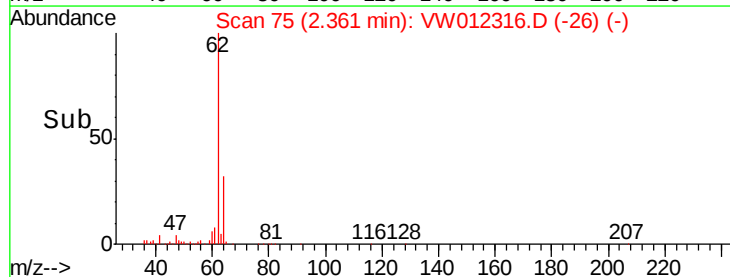
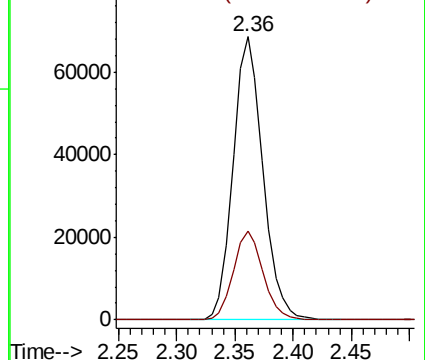
62 100

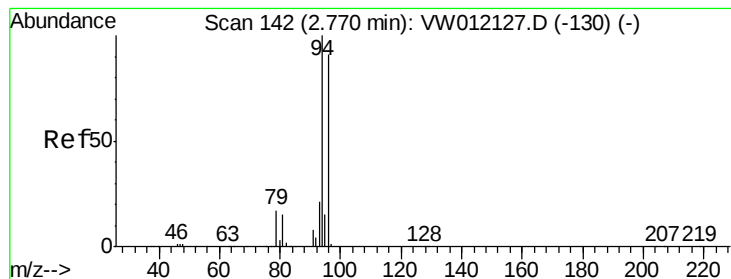
64 31.5 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 47.317 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.02 min

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Acq: 29 Aug 2019 20:46

Instrument :

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ClientSampleId :

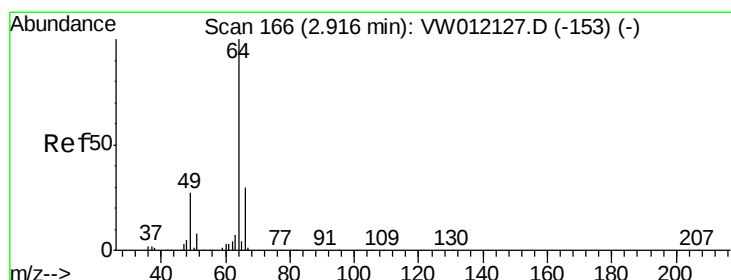
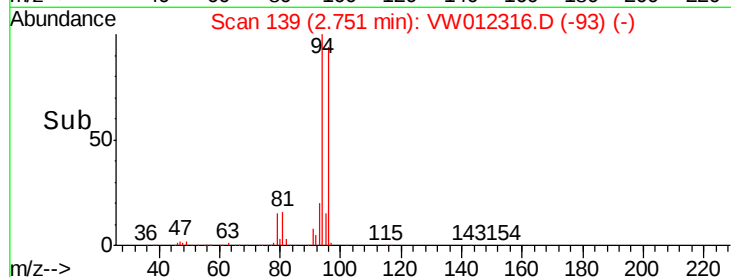
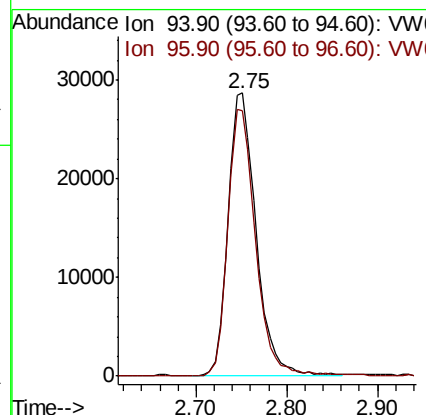
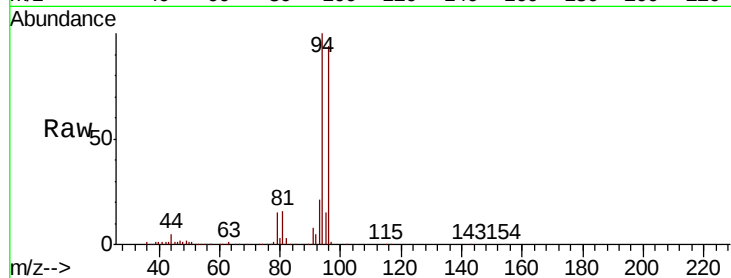
VSTDCCC050EC

Tgt Ion: 94 Resp: 61485

Ion Ratio Lower Upper

94 100

96 93.4 72.9 109.3



#6

Chloroethane

Concen: 49.822 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW012316.D

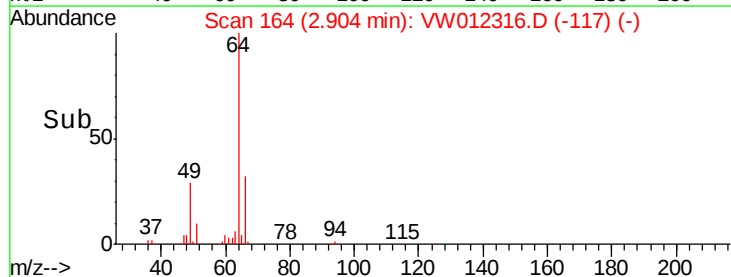
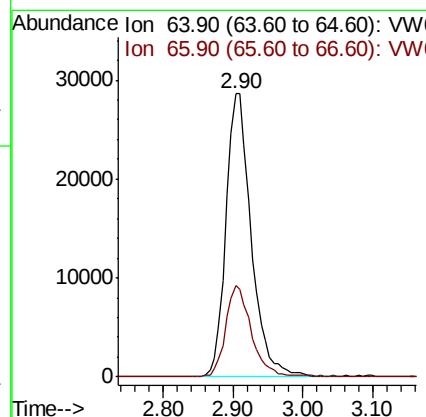
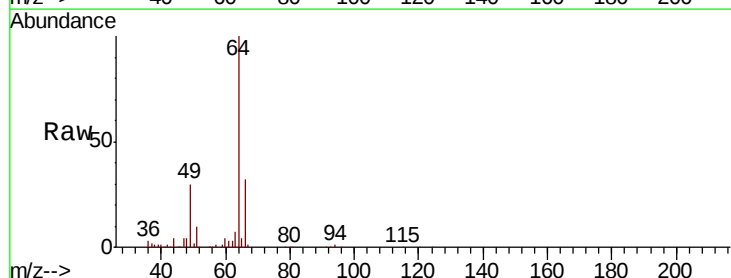
Acq: 29 Aug 2019 20:46

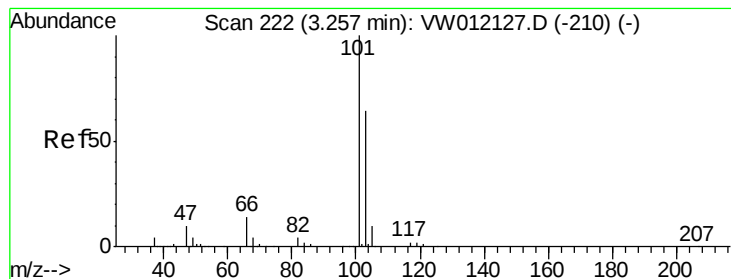
Tgt Ion: 64 Resp: 72112

Ion Ratio Lower Upper

64 100

66 32.1 23.8 35.8



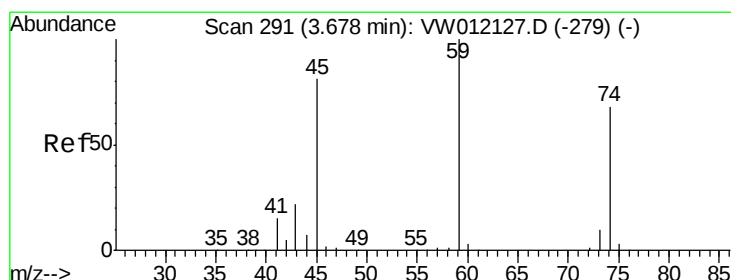
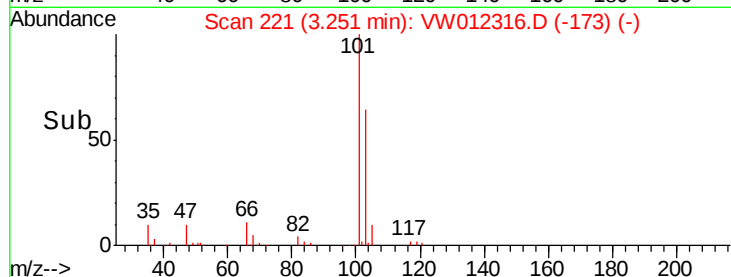
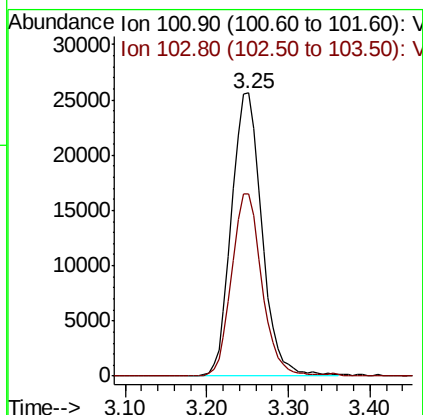
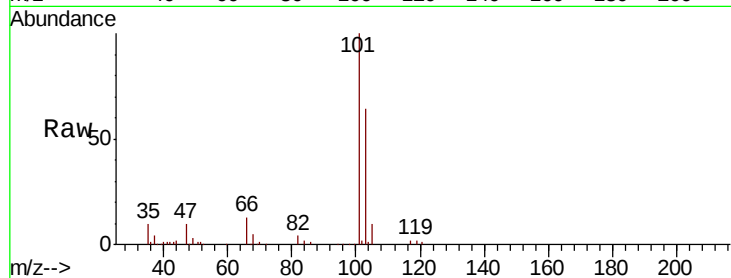


#7

Trichlorofluoromethane
 Concen: 51.340 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW012316.D
 Acq: 29 Aug 2019 20:46

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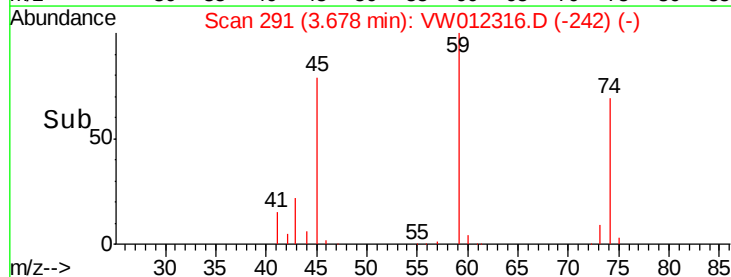
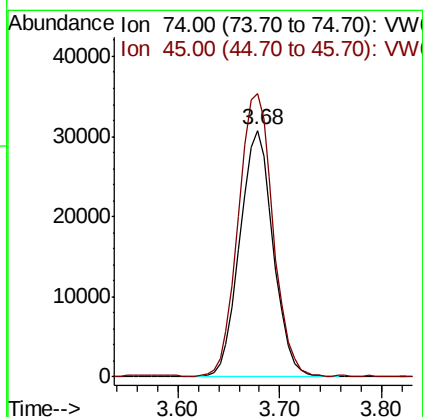
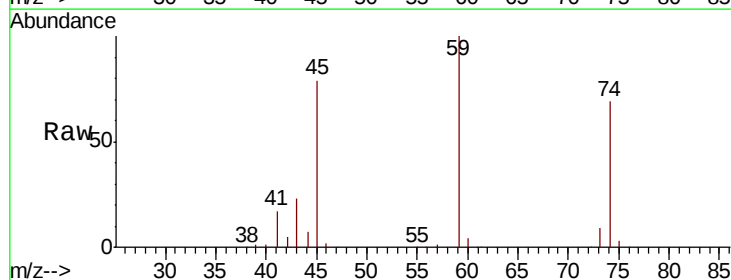
Tgt Ion:101 Resp: 66144
 Ion Ratio Lower Upper
 101 100
 103 64.3 51.2 76.8

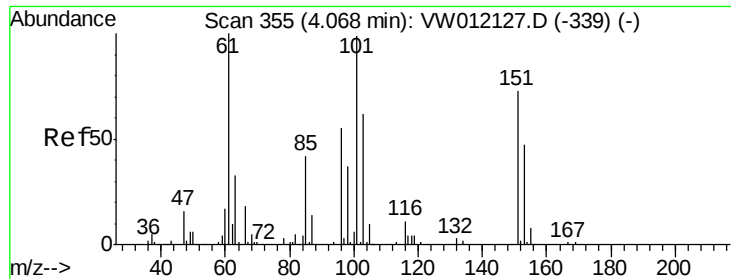


#8

Diethyl Ether
 Concen: 57.049 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012316.D
 Acq: 29 Aug 2019 20:46

Tgt Ion: 74 Resp: 69764
 Ion Ratio Lower Upper
 74 100
 45 118.8 59.2 177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.759 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012316.D

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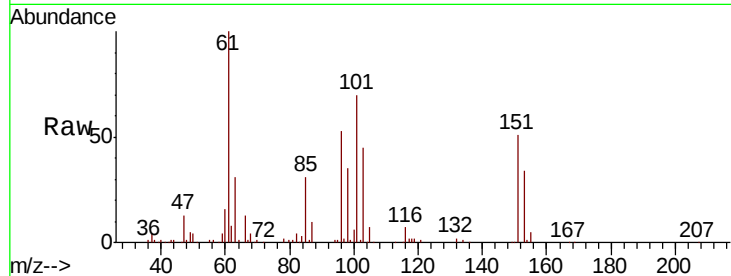
Tgt Ion:101 Resp: 104588

Ion Ratio Lower Upper

101 100

85 44.3 35.8 53.6

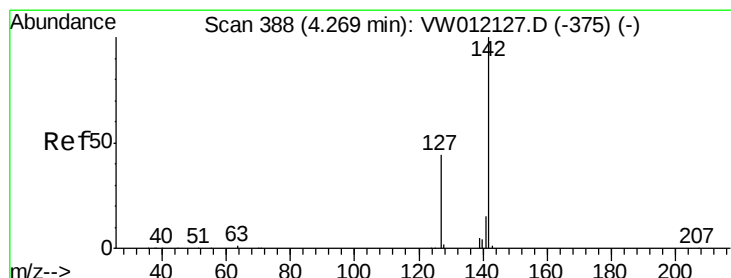
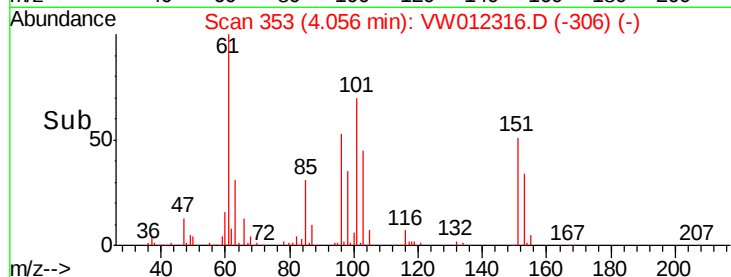
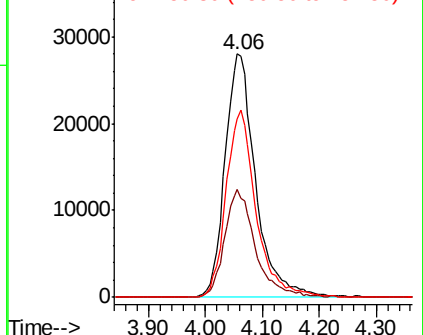
151 75.6 58.6 87.8



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: 54.326 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

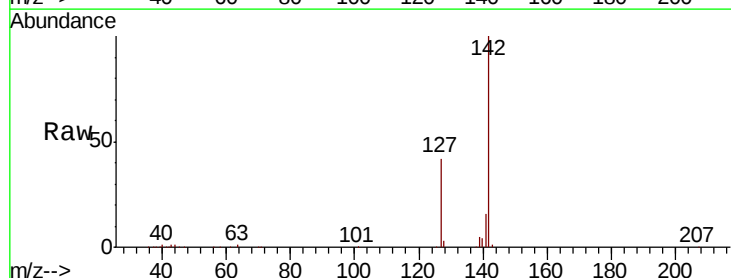
Tgt Ion:142 Resp: 160970

Ion Ratio Lower Upper

142 100

127 43.4 35.5 53.3

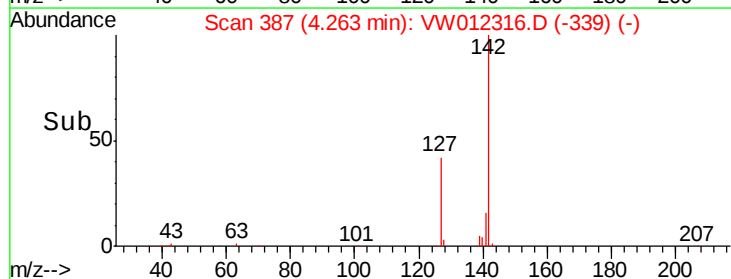
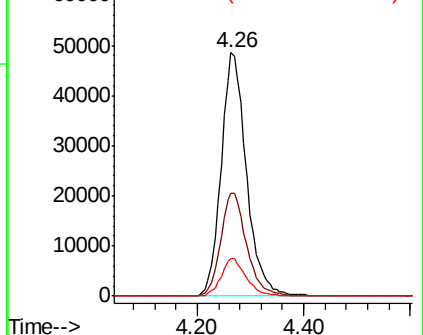
141 15.2 11.8 17.8

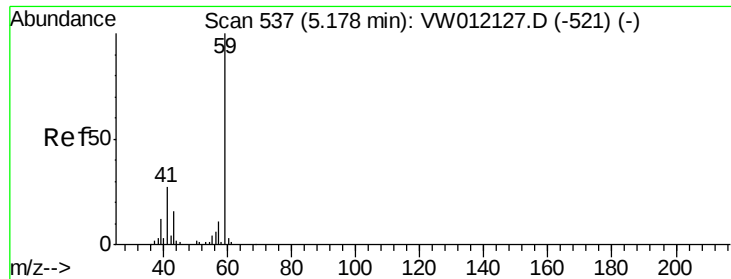


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



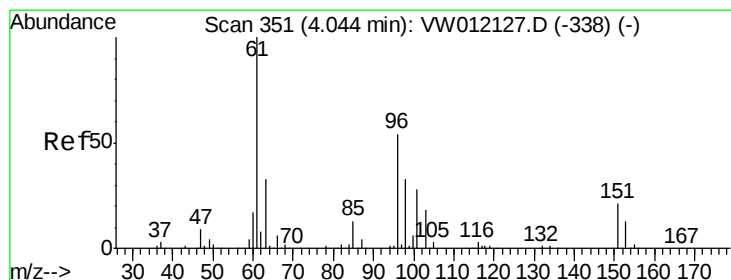
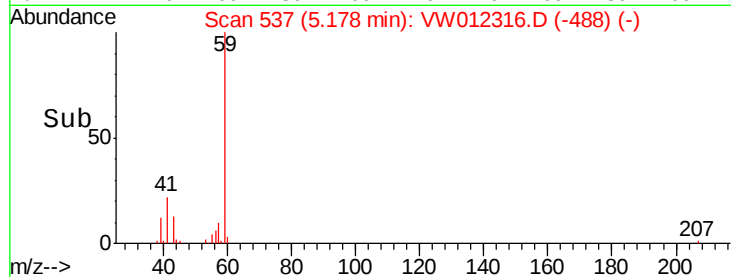
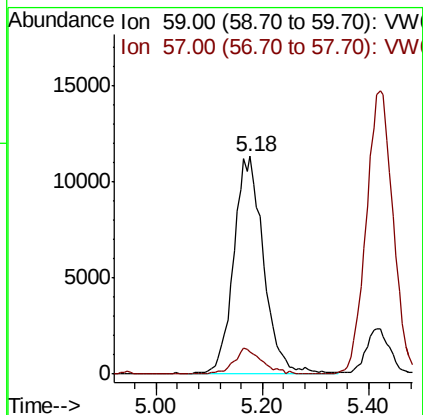
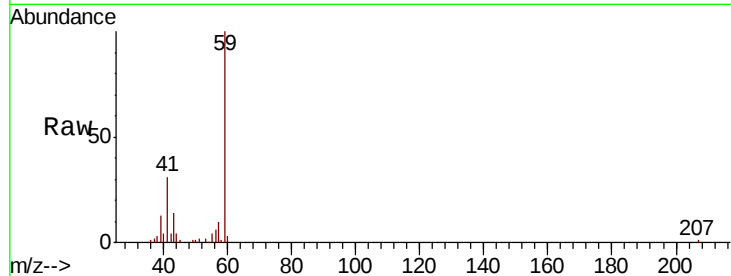


#11

Tert butyl alcohol
 Concen: 280.482 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. -0.00 min
 Lab File: VW012316.D
 Acq: 29 Aug 2019 20:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

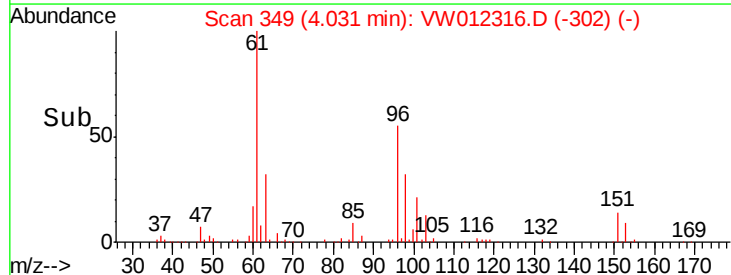
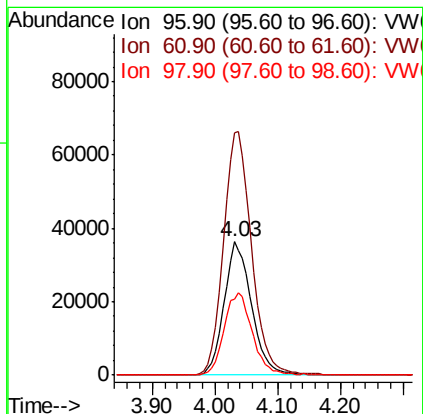
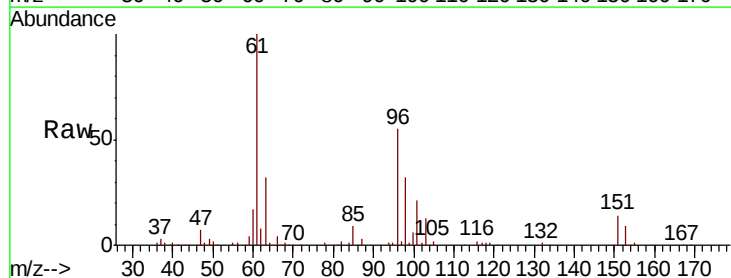
Tgt Ion: 59 Resp: 44093
 Ion Ratio Lower Upper
 59 100
 57 11.2 9.0 13.4

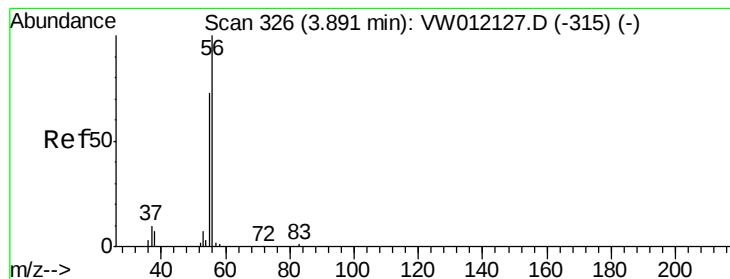


#12

1,1-Dichloroethene
 Concen: 49.853 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW012316.D
 Acq: 29 Aug 2019 20:46

Tgt Ion: 96 Resp: 109885
 Ion Ratio Lower Upper
 96 100
 61 181.9 149.1 223.7
 98 57.4 49.4 74.2





#13

Acrolein

Concen: 208.576 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

Instrument :

MSVOA_W

ClientSampleId :

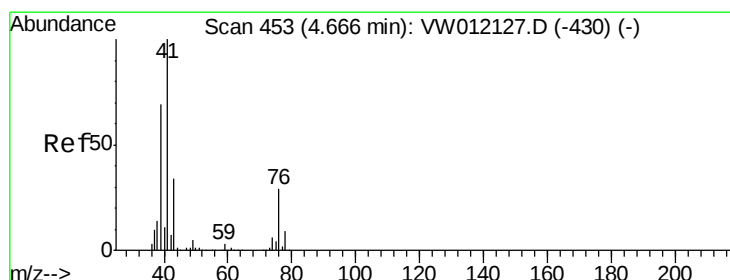
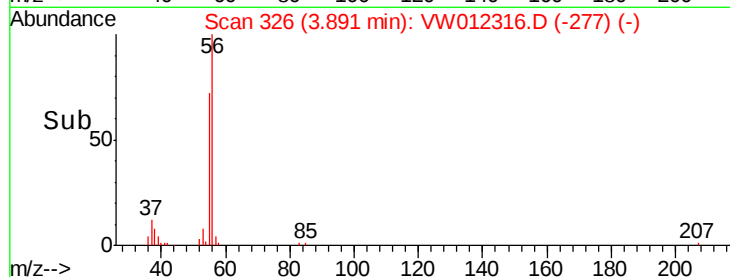
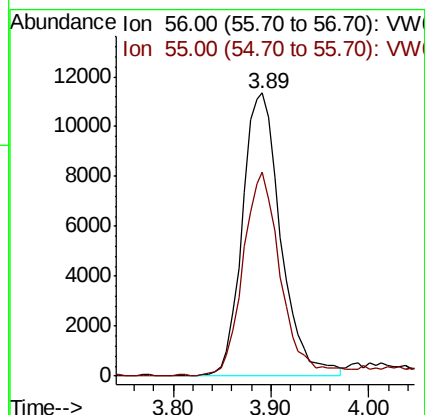
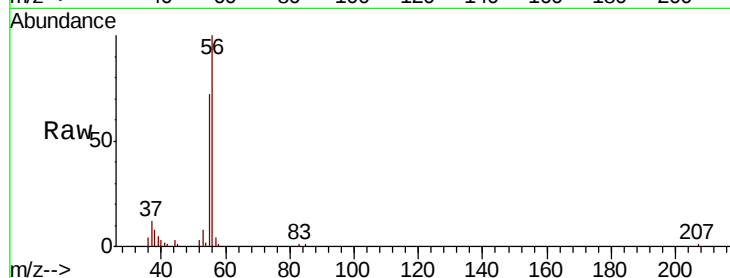
VSTDCCC050EC

Tgt Ion: 56 Resp: 30865

Ion Ratio Lower Upper

56 100

55 70.9 55.8 83.8



#14

Allyl chloride

Concen: 54.828 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

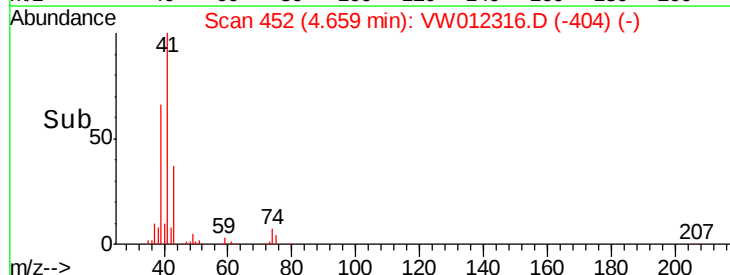
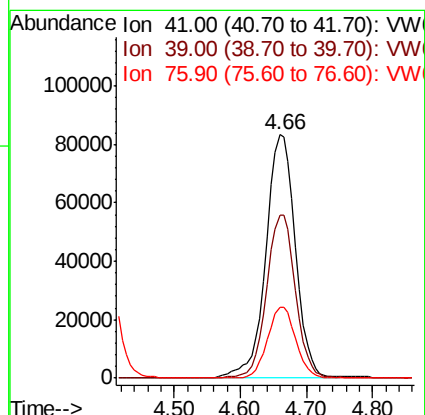
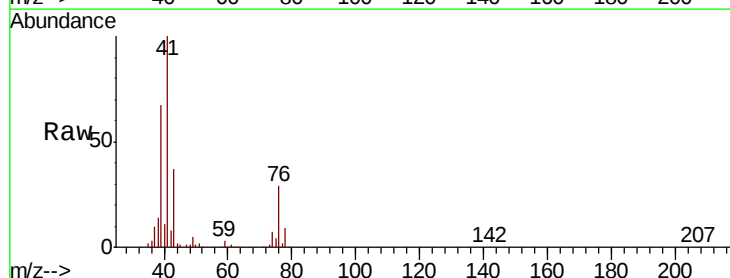
Tgt Ion: 41 Resp: 258360

Ion Ratio Lower Upper

41 100

39 65.3 53.4 80.2

76 27.8 22.1 33.1





#15

Acrylonitrile

Concen: 286.587 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

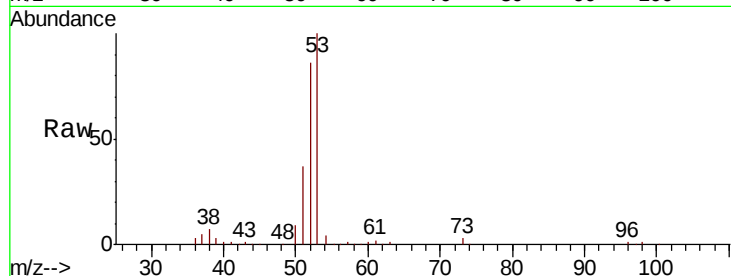
Tgt Ion: 53 Resp: 173711

Ion Ratio Lower Upper

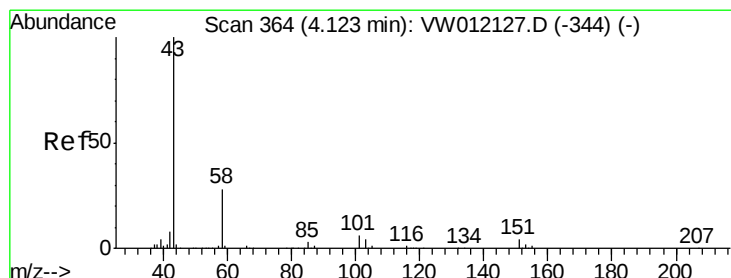
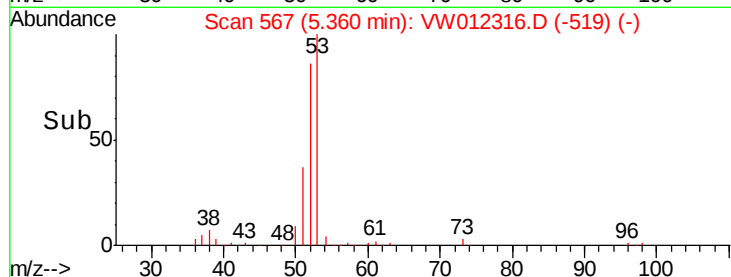
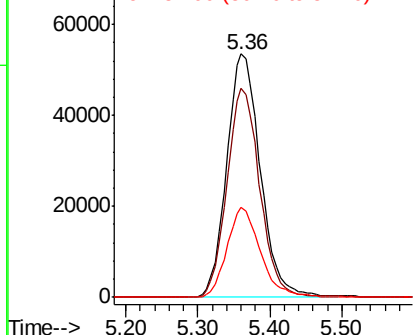
53 100

52 83.5 66.7 100.1

51 36.8 30.1 45.1



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



#16

Acetone

Concen: 228.092 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW012316.D

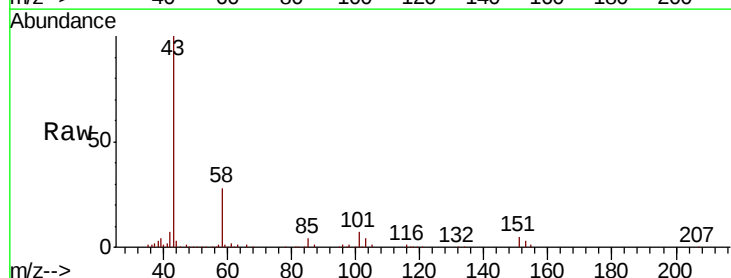
Acq: 29 Aug 2019 20:46

Tgt Ion: 43 Resp: 152308

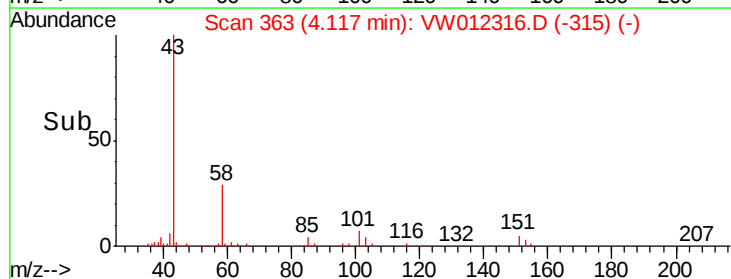
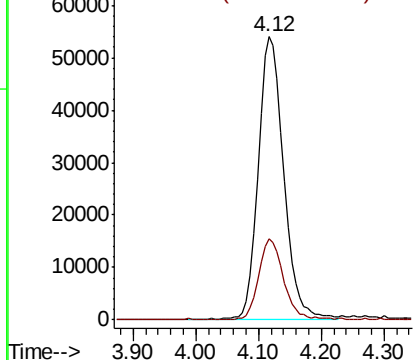
Ion Ratio Lower Upper

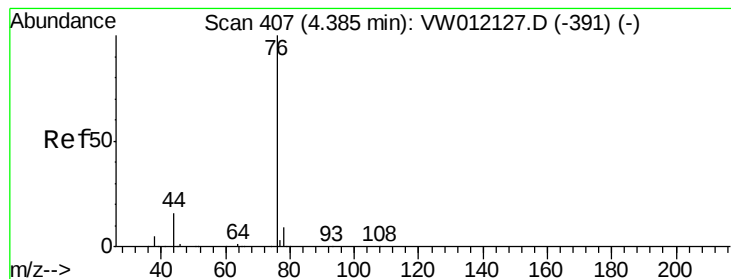
43 100

58 28.0 22.4 33.6



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





#17

Carbon Disulfide

Concen: 47.447 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

Instrument :

MSVOA_W

ClientSampleId :

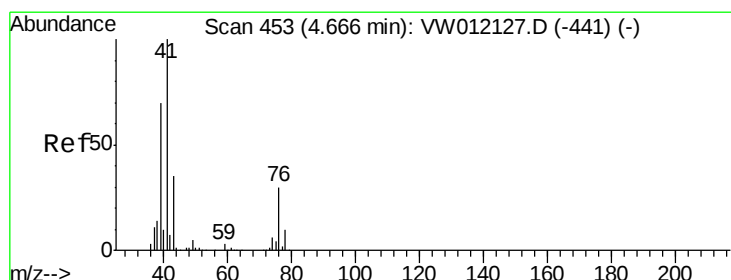
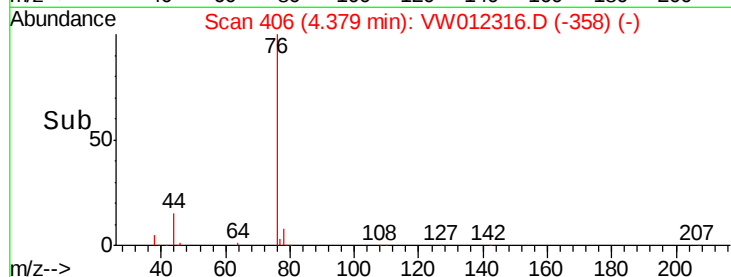
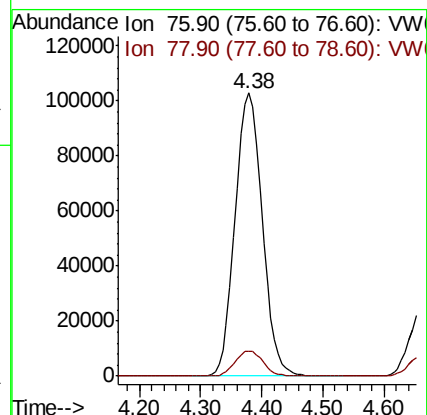
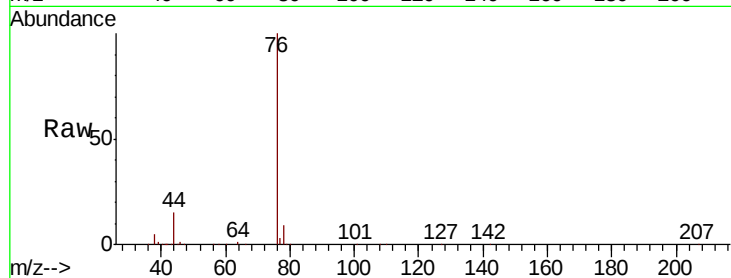
VSTDCCC050EC

Tgt Ion: 76 Resp: 316063

Ion Ratio Lower Upper

76 100

78 8.8 7.3 10.9



#18

Methyl Acetate

Concen: 59.020 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW012316.D

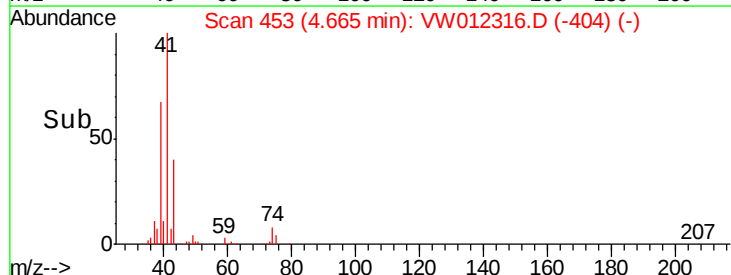
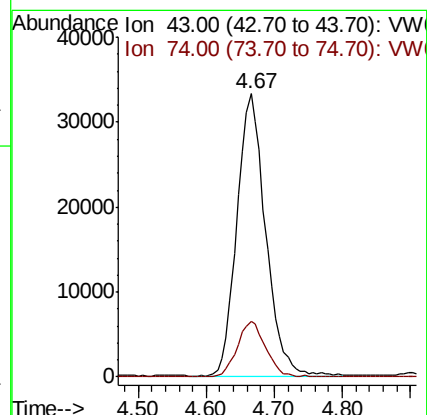
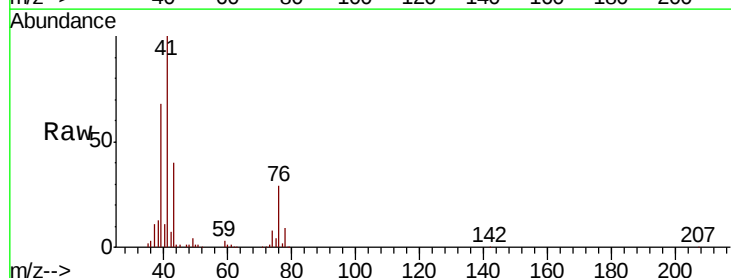
Acq: 29 Aug 2019 20:46

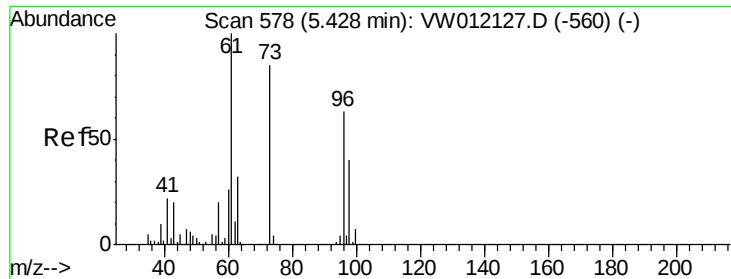
Tgt Ion: 43 Resp: 97613

Ion Ratio Lower Upper

43 100

74 19.2 15.7 23.5

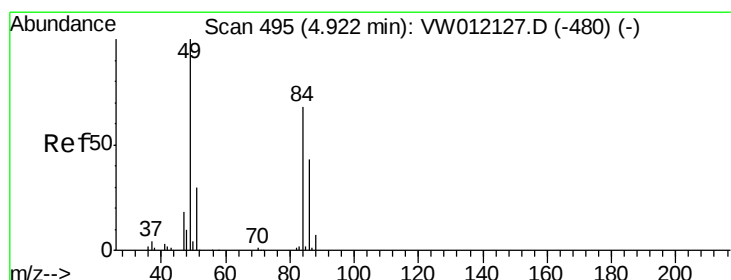
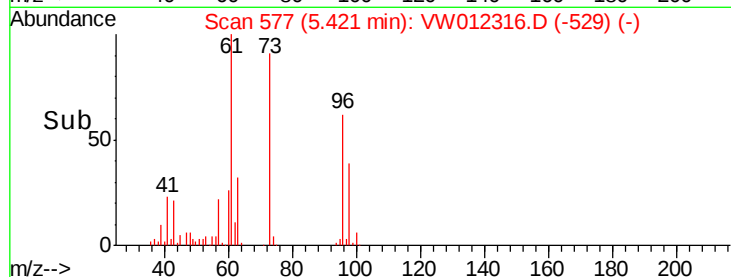
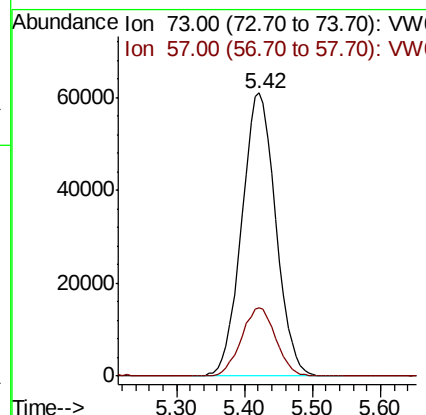
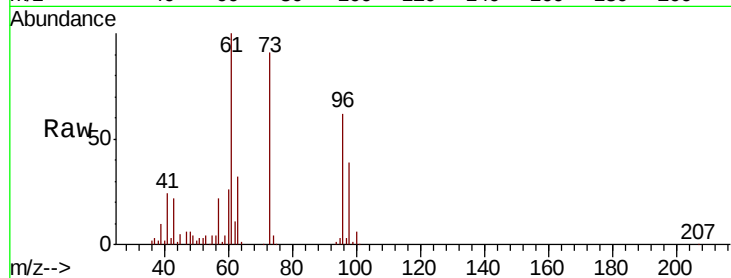




#19
Methyl tert-butyl Ether
Concen: 59.304 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

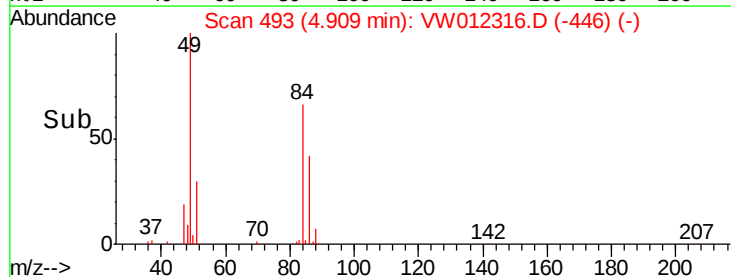
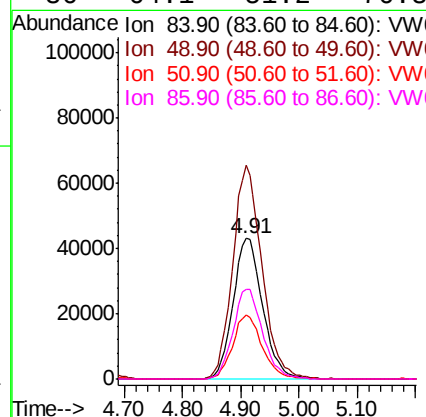
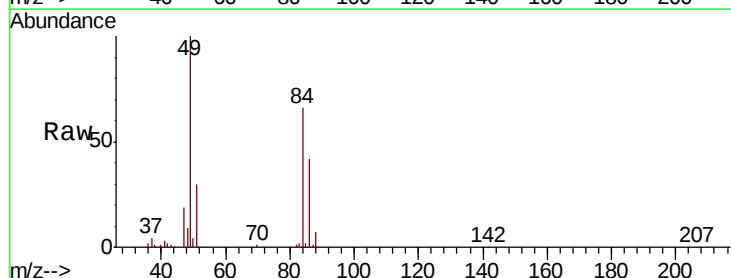
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

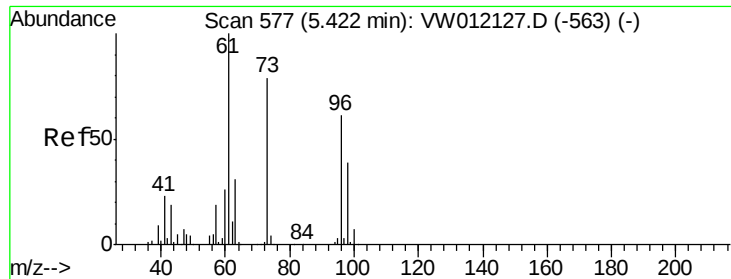
Tgt Ion: 73 Resp: 211387
Ion Ratio Lower Upper
73 100
57 24.2 18.9 28.3



#20
Methylene Chloride
Concen: 60.206 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

Tgt Ion: 84 Resp: 151981
Ion Ratio Lower Upper
84 100
49 152.0 117.8 176.8
51 45.9 35.6 53.4
86 64.1 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 53.373 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

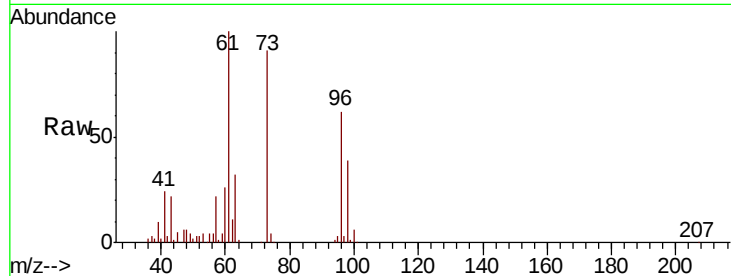
Tgt Ion: 96 Resp: 126155

Ion Ratio Lower Upper

96 100

61 161.6 131.4 197.0

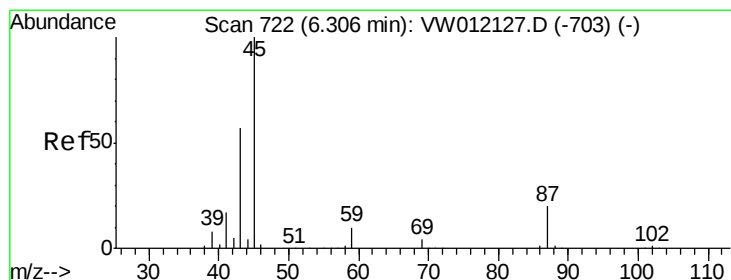
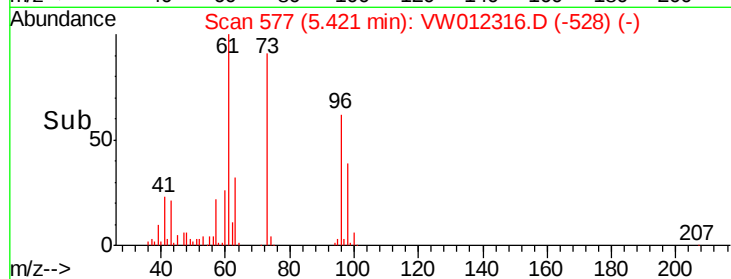
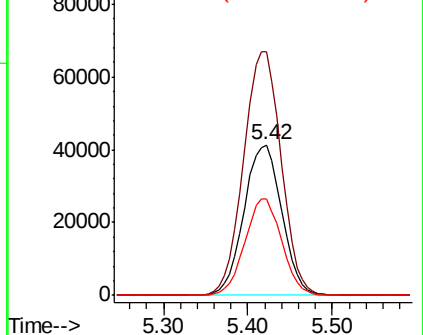
98 63.8 51.4 77.0



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: 57.608 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

Tgt Ion: 45 Resp: 503171

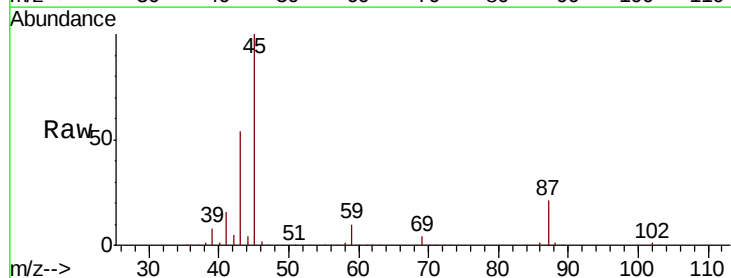
Ion Ratio Lower Upper

45 100

43 54.0 45.5 68.3

87 21.1 16.1 24.1

59 9.7 8.2 12.2

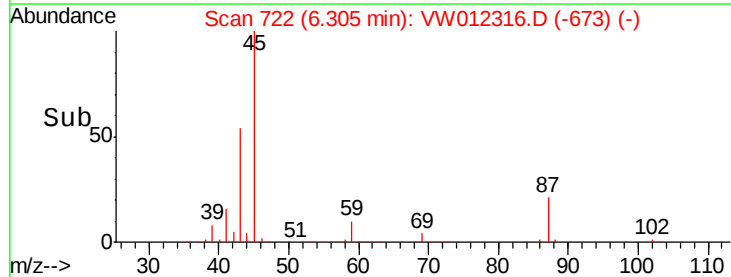
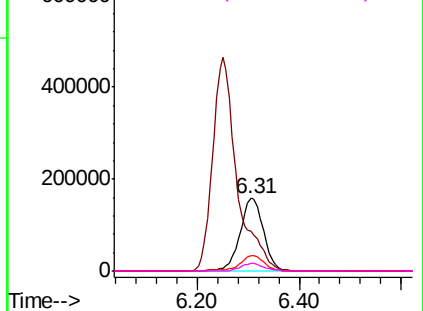


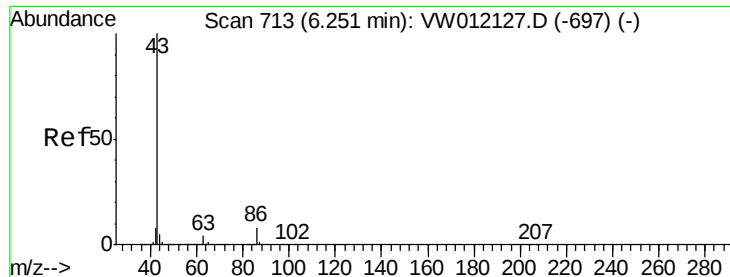
Abundance Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 285.626 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

Instrument :

MSVOA_W

ClientSampleId :

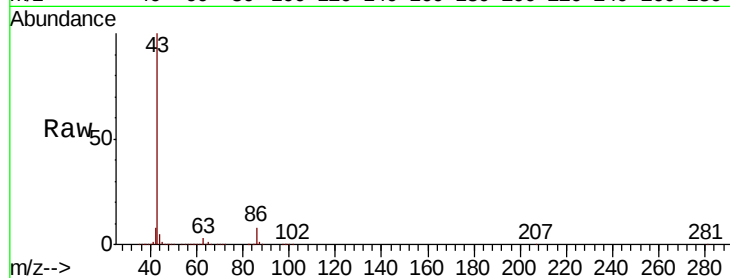
VSTDCCC050EC

Tgt Ion: 43 Resp: 1535336

Ion Ratio Lower Upper

43 100

86 8.2 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

500000

400000

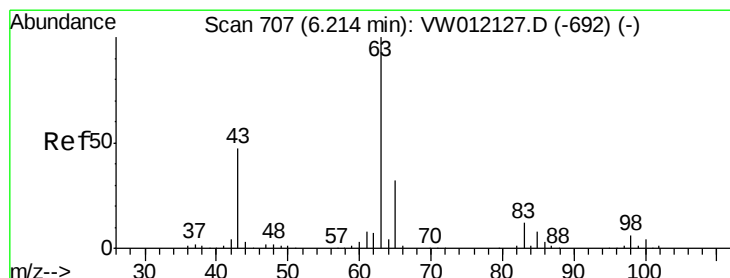
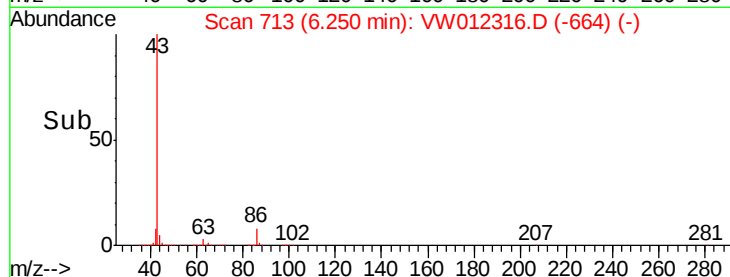
300000

200000

100000

0

Time--> 6.00 6.20 6.40 6.60



#24

1,1-Dichloroethane

Concen: 54.816 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

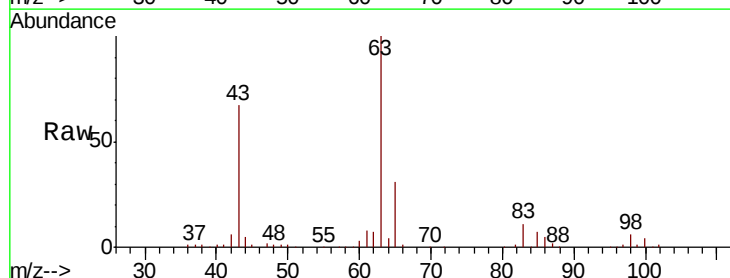
Tgt Ion: 63 Resp: 260691

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

100 4.1 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

120000

100000

80000

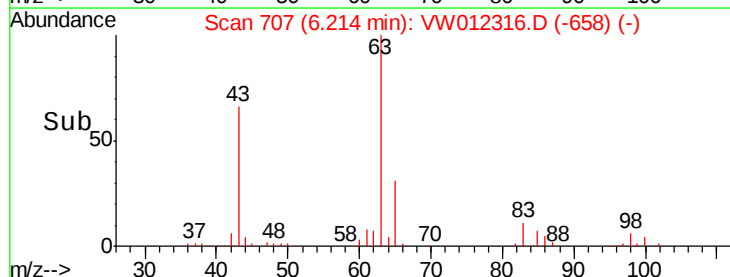
60000

40000

20000

0

Time--> 6.10 6.20 6.30





#25

2-Butanone

Concen: 265.482 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

Instrument :

MSVOA_W

ClientSampleId :

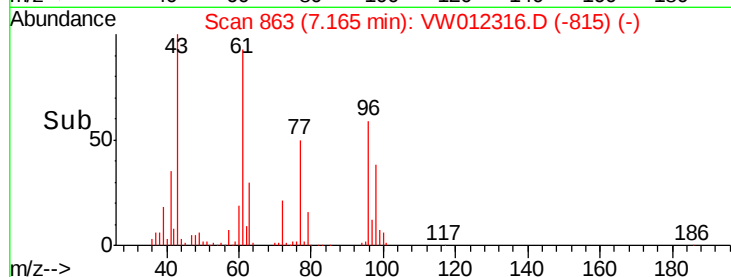
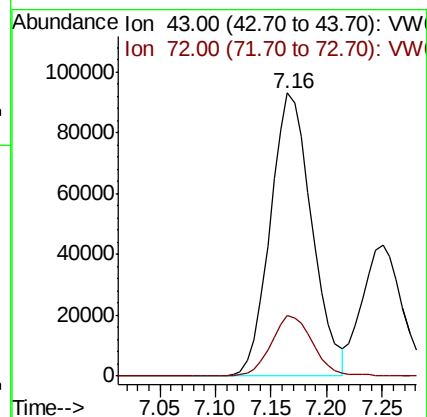
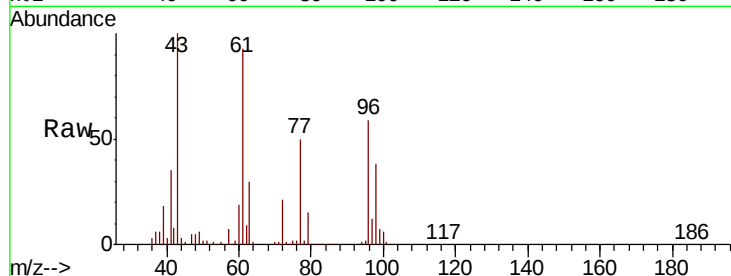
VSTDCCC050EC

Tgt Ion: 43 Resp: 240896

Ion Ratio Lower Upper

43 100

72 21.3 16.6 24.8



#26

2,2-Dichloropropane

Concen: 49.228 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012316.D

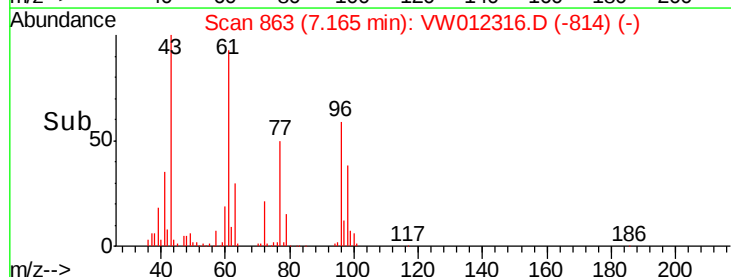
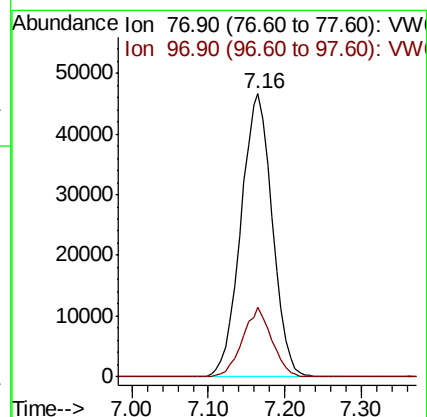
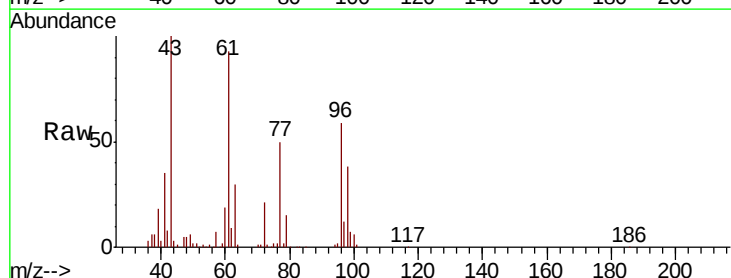
Acq: 29 Aug 2019 20:46

Tgt Ion: 77 Resp: 132513

Ion Ratio Lower Upper

77 100

97 22.8 11.1 33.1



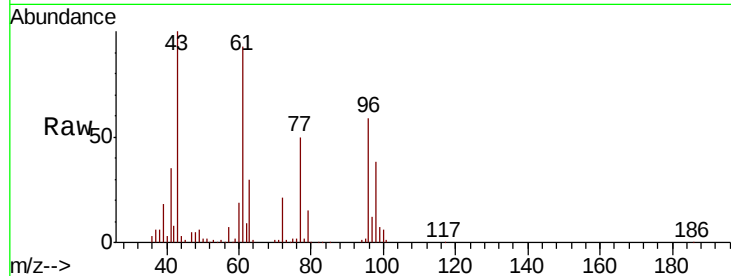


#27

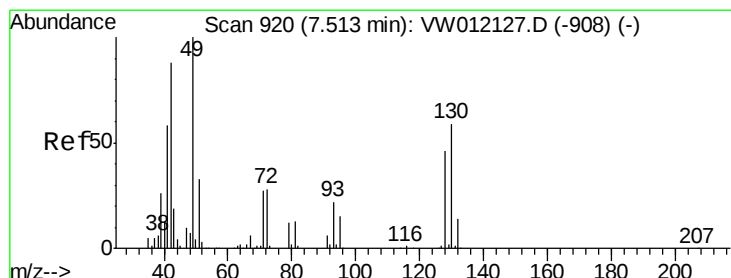
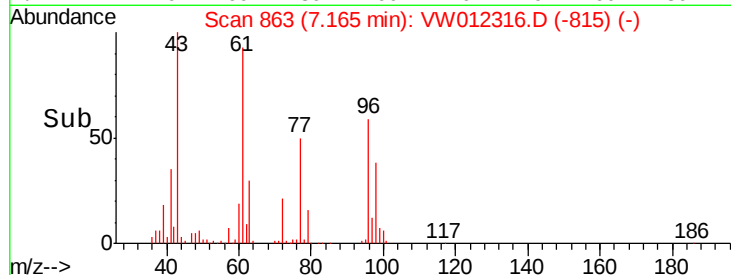
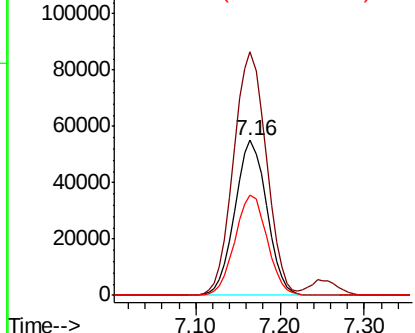
cis-1,2-Dichloroethene
Concen: 56.117 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 141714
Ion Ratio Lower Upper
96 100
61 161.2 0.0 326.6
98 64.7 0.0 127.4



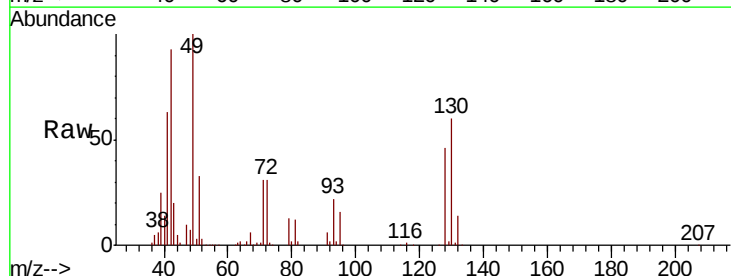
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



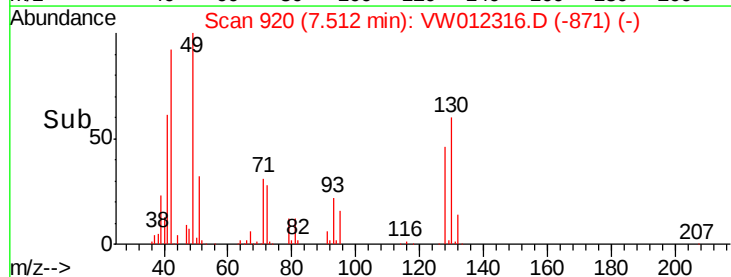
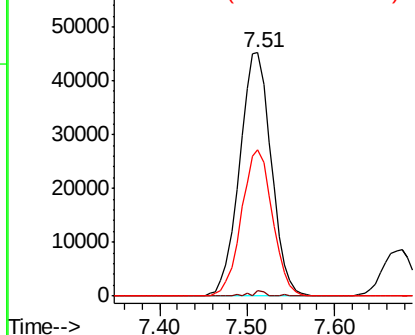
#28

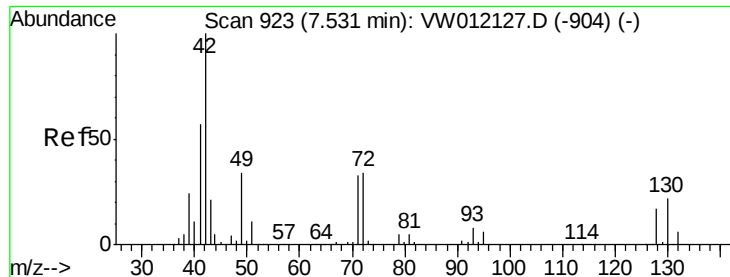
Bromochloromethane
Concen: 54.867 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

Tgt Ion: 49 Resp: 113729
Ion Ratio Lower Upper
49 100
129 1.0 0.0 1.4
130 58.8 45.5 68.3



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 291.402 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

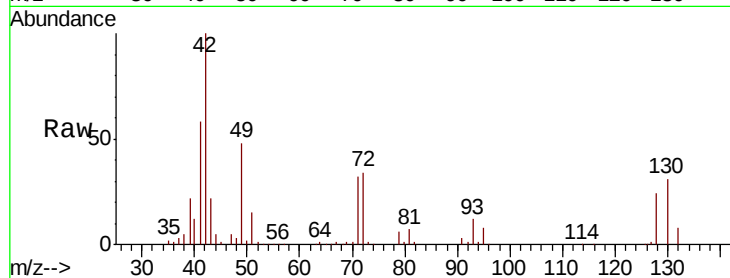
Tgt Ion: 42 Resp: 158638

Ion Ratio Lower Upper

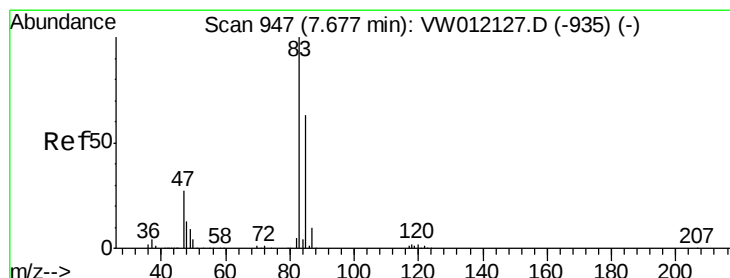
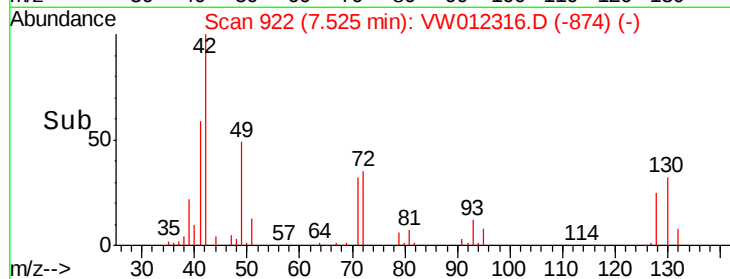
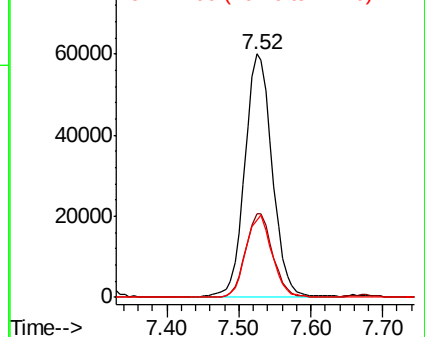
42 100

72 33.9 27.3 40.9

71 32.4 25.5 38.3



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



#30

Chloroform

Concen: 54.833 ug/l

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW012316.D

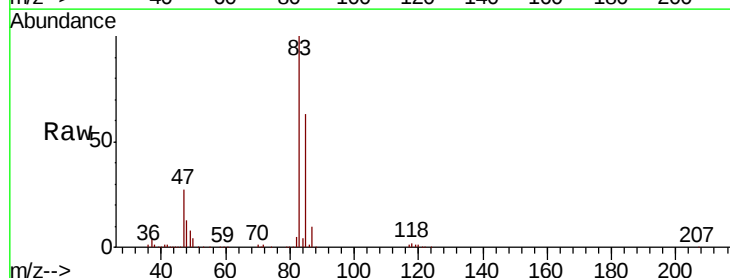
Acq: 29 Aug 2019 20:46

Tgt Ion: 83 Resp: 238580

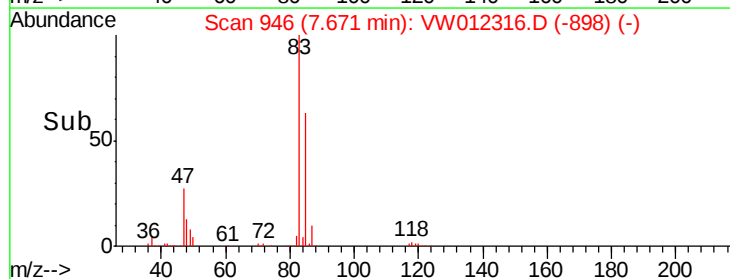
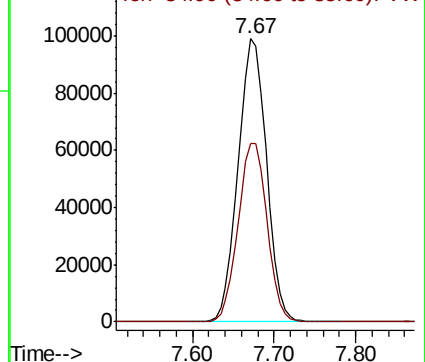
Ion Ratio Lower Upper

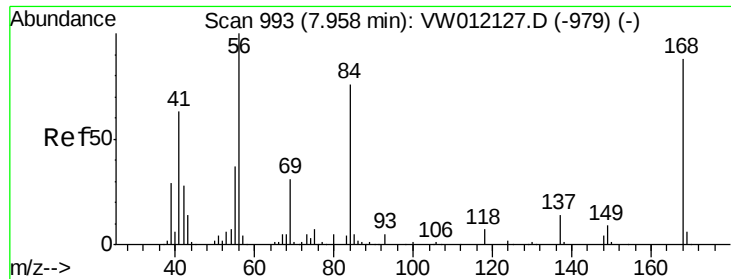
83 100

85 63.1 50.6 76.0



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

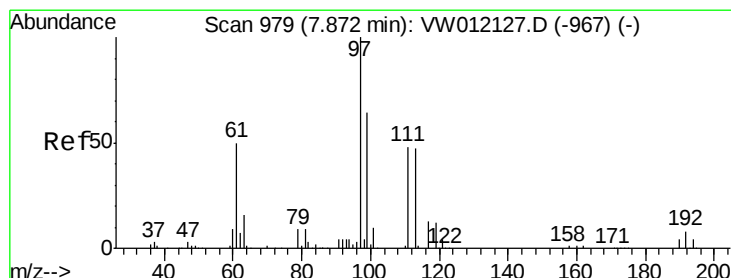
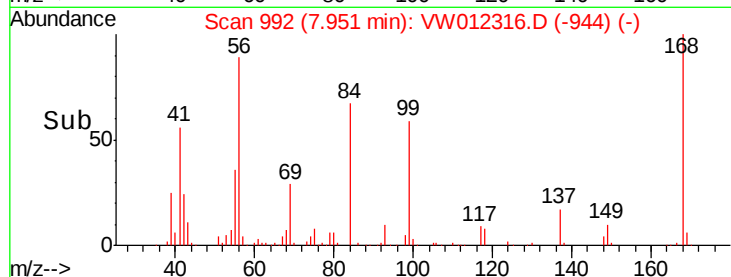
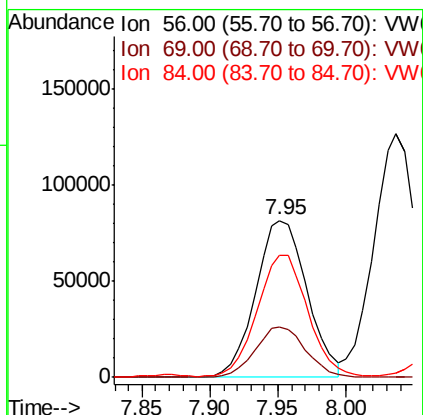
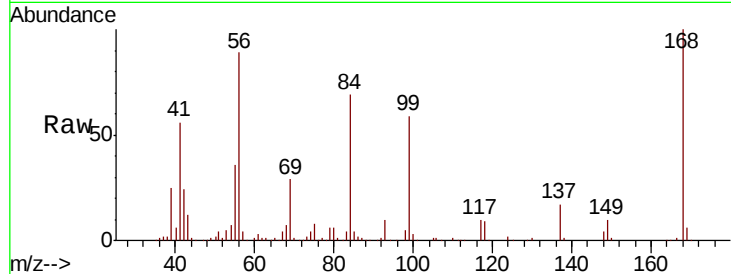




#31
Cyclohexane
Concen: 45.796 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

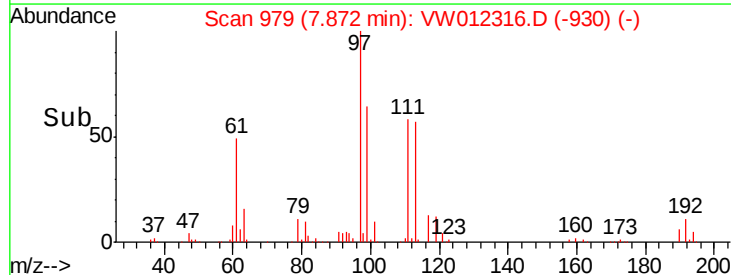
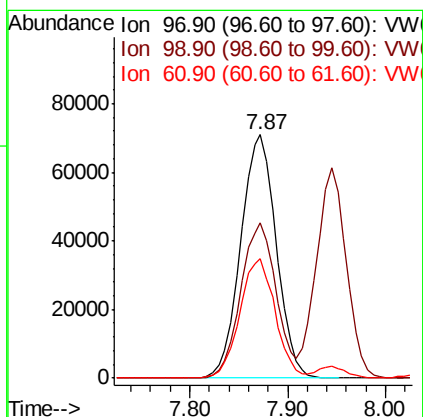
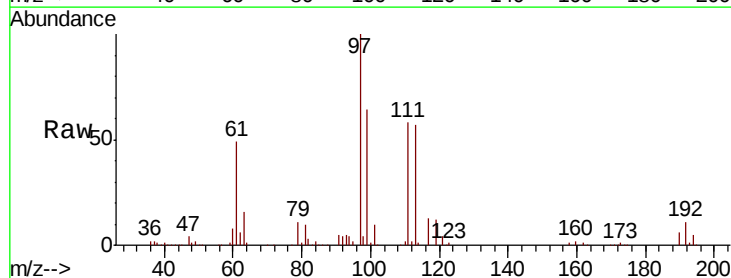
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

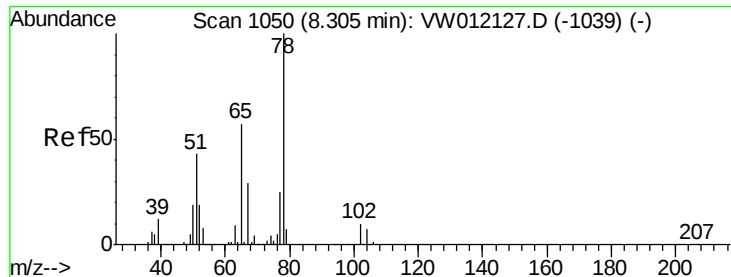
Tgt Ion: 56 Resp: 215481
Ion Ratio Lower Upper
56 100
69 32.4 24.9 37.3
84 77.0 60.6 90.8



#32
1,1,1-Trichloroethane
Concen: 51.872 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

Tgt Ion: 97 Resp: 178544
Ion Ratio Lower Upper
97 100
99 64.0 51.4 77.0
61 49.0 39.5 59.3

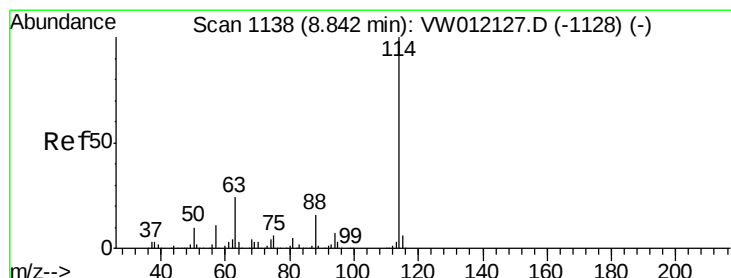
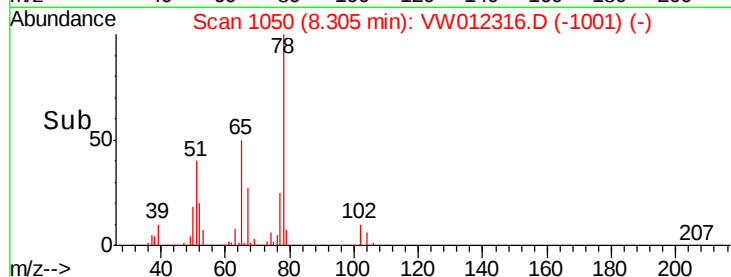
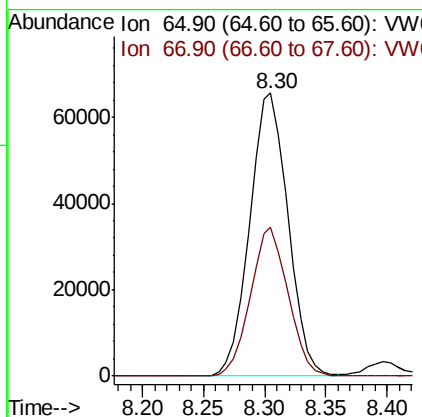
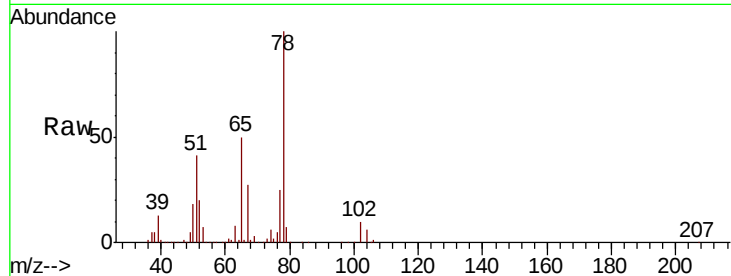




#33
 1,2-Dichloroethane-d4
 Concen: 54.756 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012316.D
 Acq: 29 Aug 2019 20:46

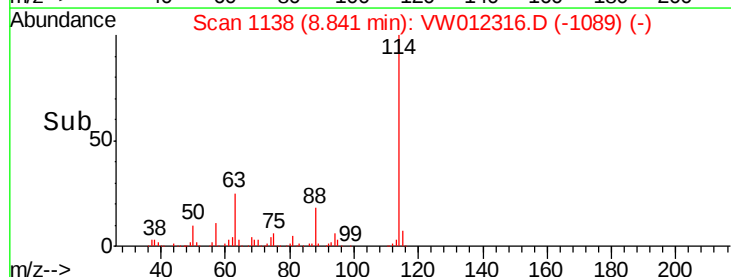
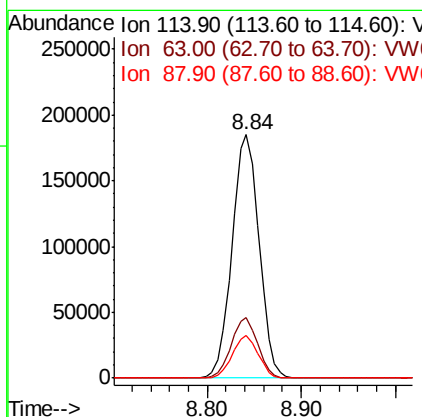
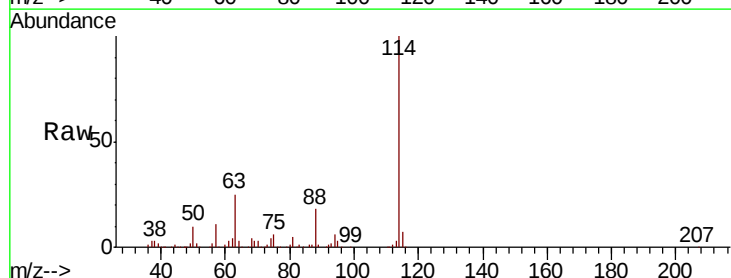
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 65 Resp: 143037
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012316.D
 Acq: 29 Aug 2019 20:46

Tgt Ion: 114 Resp: 368078
 Ion Ratio Lower Upper
 114 100
 63 25.1 0.0 48.6
 88 17.6 0.0 32.2

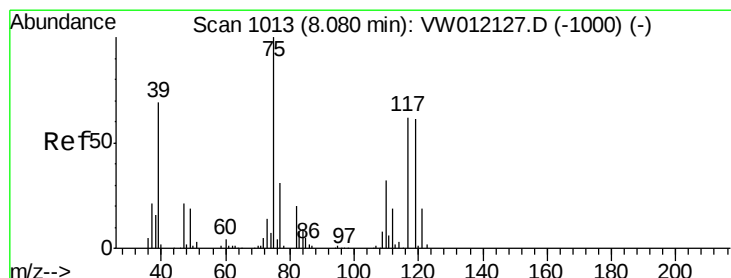
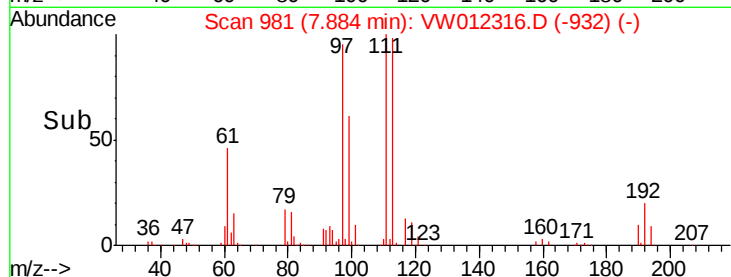
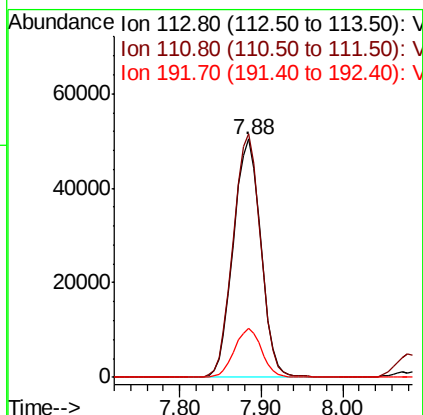
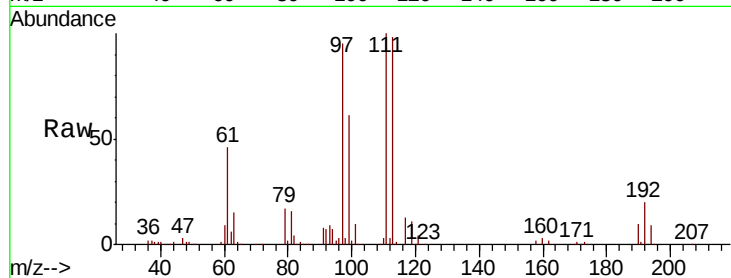




#35
 Dibromofluoromethane
 Concen: 53.524 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012316.D
 Acq: 29 Aug 2019 20:46

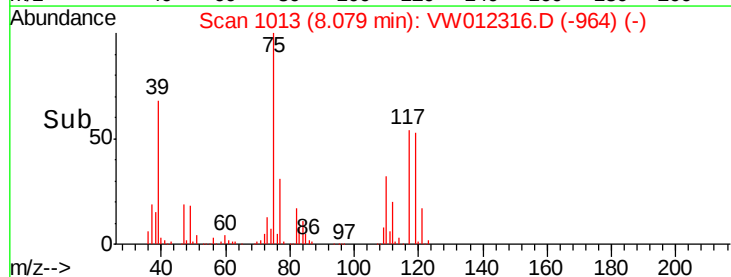
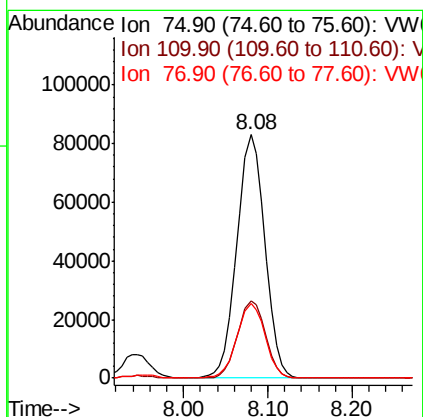
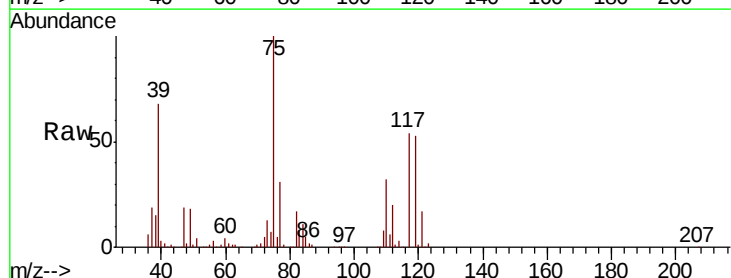
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

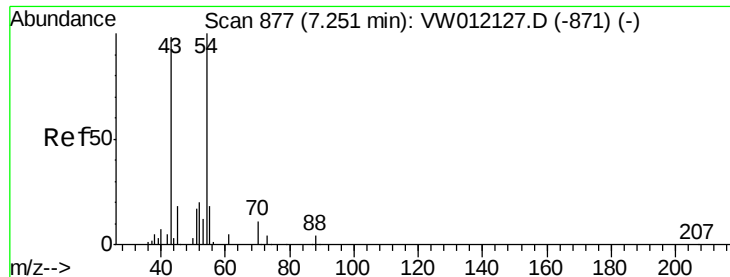
Tgt Ion:113 Resp: 117596
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.7 124.1
 192 20.3 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 49.018 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012316.D
 Acq: 29 Aug 2019 20:46

Tgt Ion: 75 Resp: 186449
 Ion Ratio Lower Upper
 75 100
 110 31.7 15.6 46.8
 77 31.0 24.6 36.8

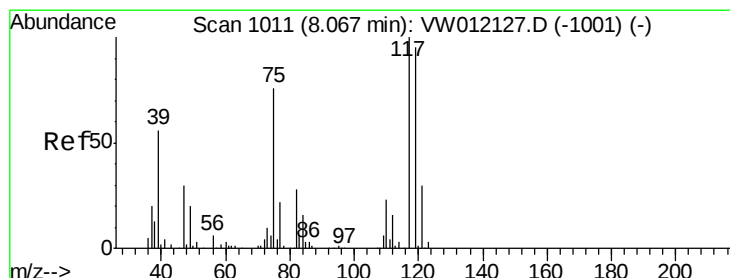
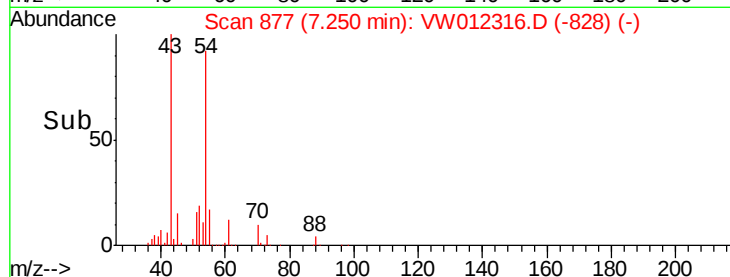
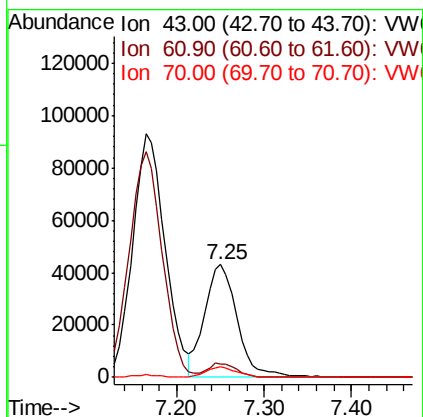
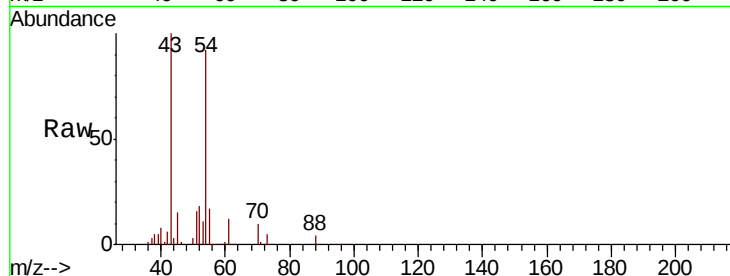




#37
 Ethyl Acetate
 Concen: 53.188 ug/l
 RT: 7.25 min Scan# 877
 Delta R.T. -0.00 min
 Lab File: VW012316.D
 Acq: 29 Aug 2019 20:46

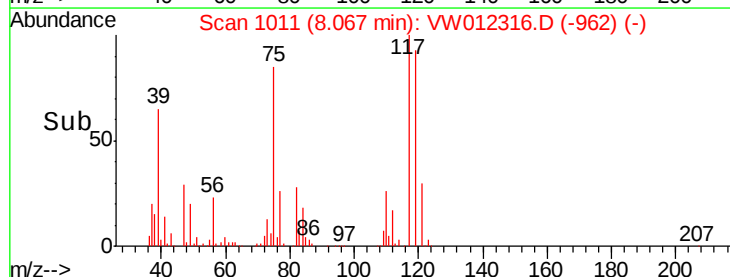
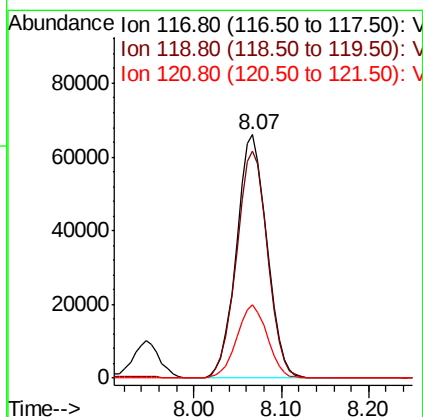
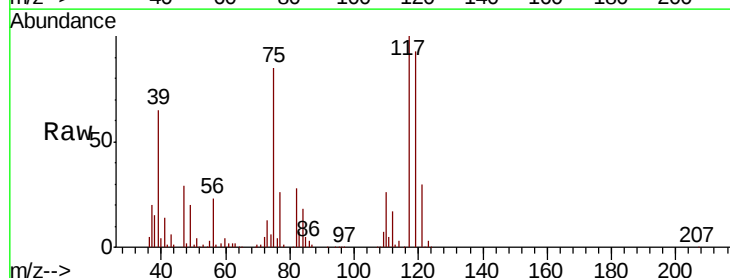
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

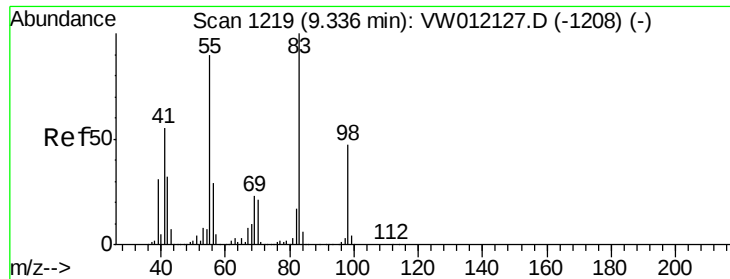
Tgt Ion: 43 Resp: 110863
 Ion Ratio Lower Upper
 43 100
 61 11.4 9.2 13.8
 70 8.8 6.9 10.3



#38
 Carbon Tetrachloride
 Concen: 48.553 ug/l
 RT: 8.07 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VW012316.D
 Acq: 29 Aug 2019 20:46

Tgt Ion: 117 Resp: 159843
 Ion Ratio Lower Upper
 117 100
 119 93.0 76.2 114.2
 121 30.1 23.8 35.8

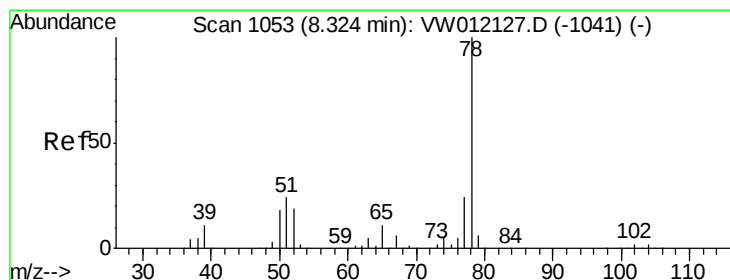
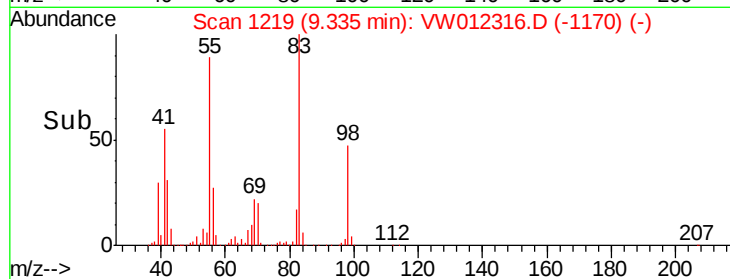
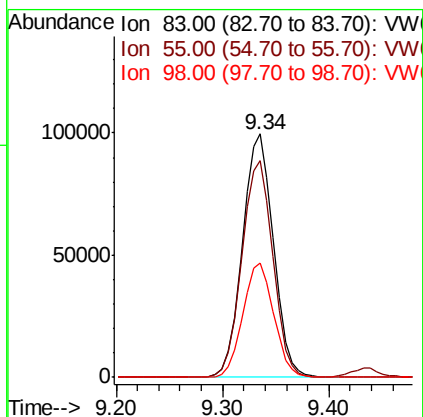
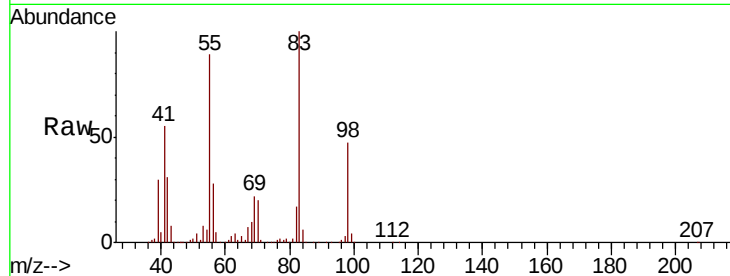




#39
Methylcyclohexane
Concen: 47.640 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

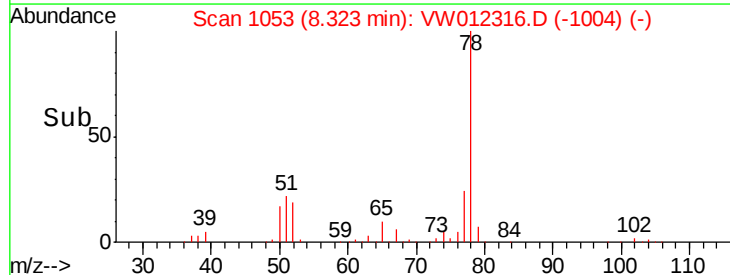
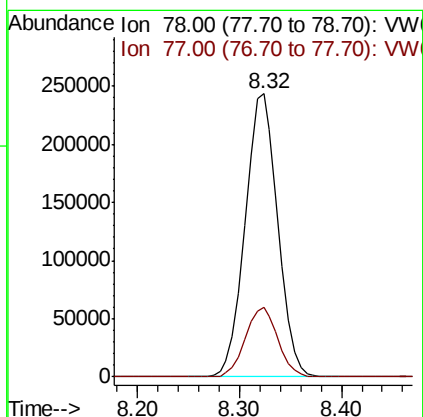
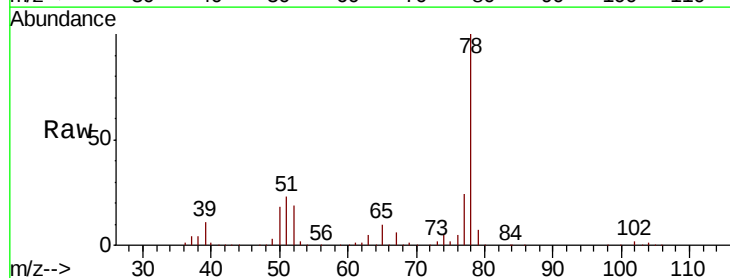
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

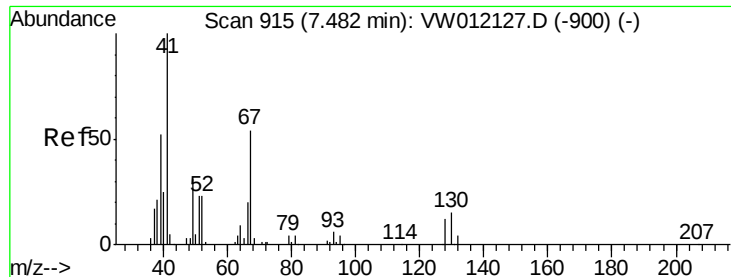
Tgt Ion: 83 Resp: 203571
Ion Ratio Lower Upper
83 100
55 89.1 71.8 107.8
98 46.9 37.8 56.8



#40
Benzene
Concen: 52.019 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

Tgt Ion: 78 Resp: 540278
Ion Ratio Lower Upper
78 100
77 24.5 19.5 29.3





#41

Methacrylonitrile

Concen: 49.766 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 60966

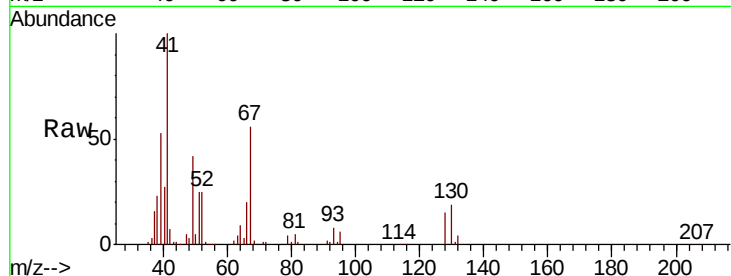
Ion Ratio Lower Upper

41 100

39 66.6 45.8 68.8

67 64.0 46.2 69.4

52 29.2 21.0 31.6

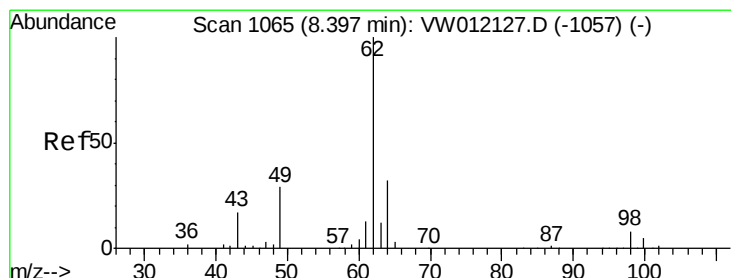
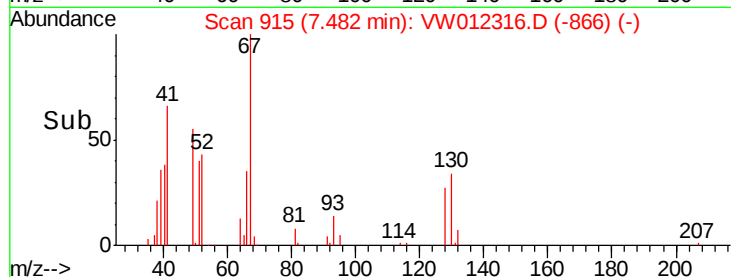
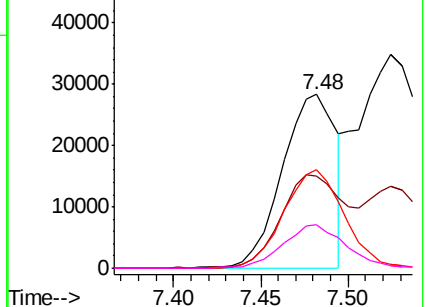


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 52.728 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW012316.D

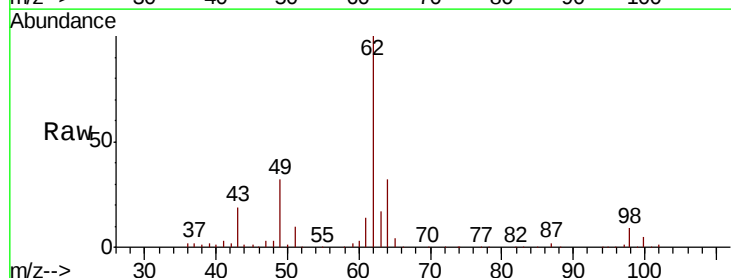
Acq: 29 Aug 2019 20:46

Tgt Ion: 62 Resp: 171637

Ion Ratio Lower Upper

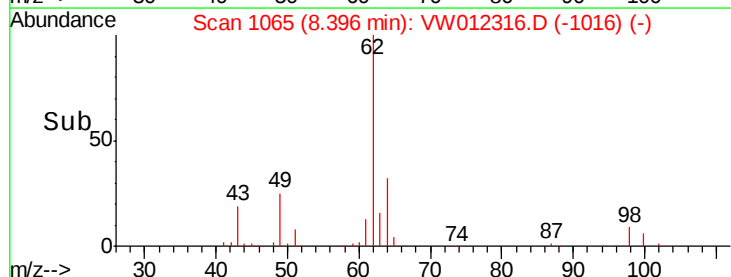
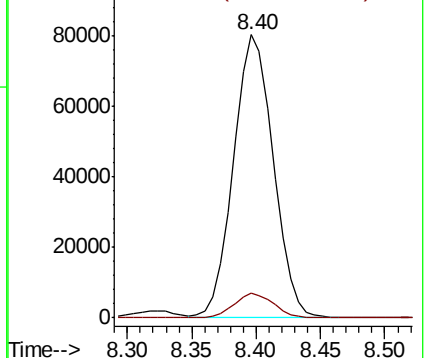
62 100

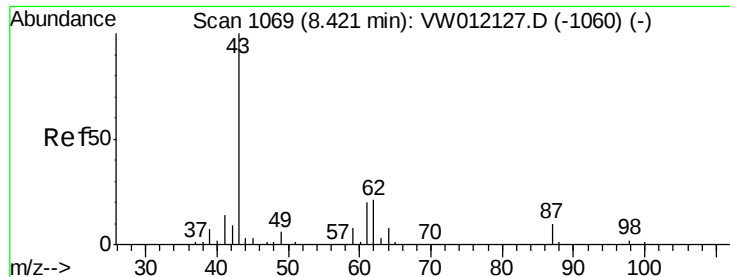
98 8.7 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 54.953 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

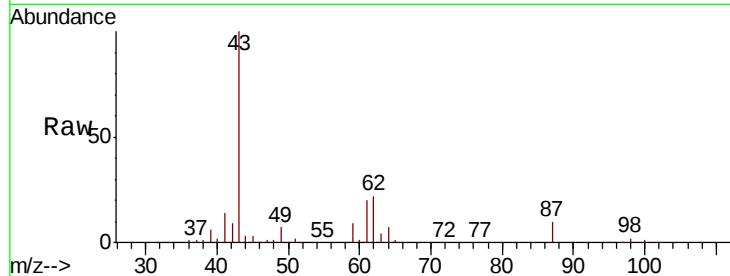
Tgt Ion: 43 Resp: 212165

Ion Ratio Lower Upper

43 100

61 26.1 21.1 31.7

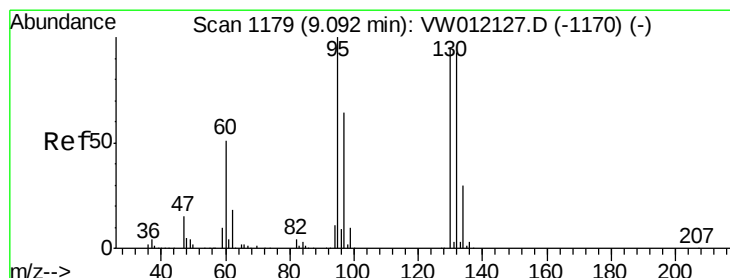
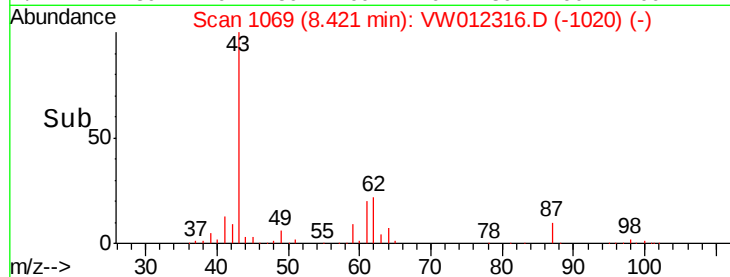
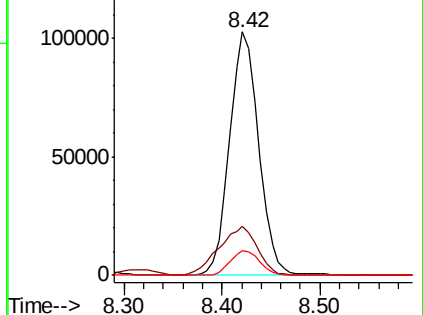
87 10.3 8.2 12.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 51.939 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW012316.D

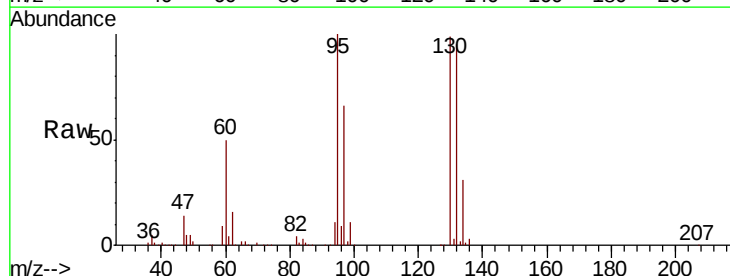
Acq: 29 Aug 2019 20:46

Tgt Ion: 130 Resp: 131138

Ion Ratio Lower Upper

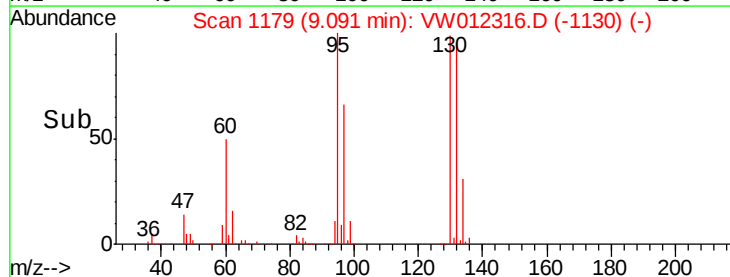
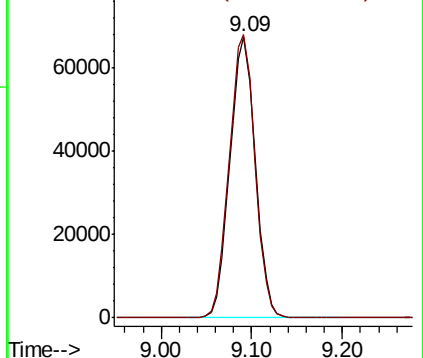
130 100

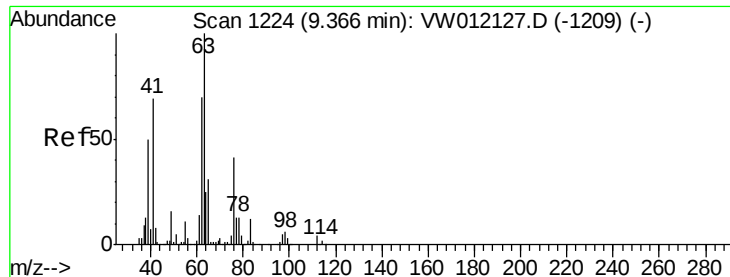
95 100.7 0.0 210.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 53.143 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

Instrument :

MSVOA_W

ClientSampleId :

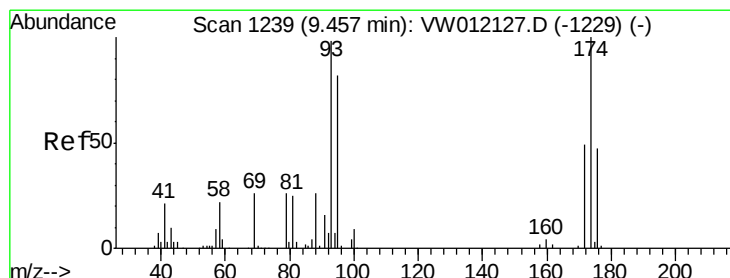
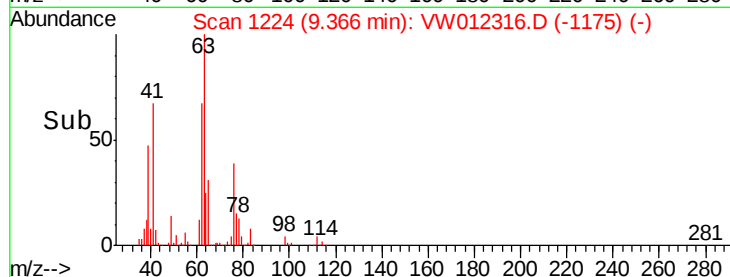
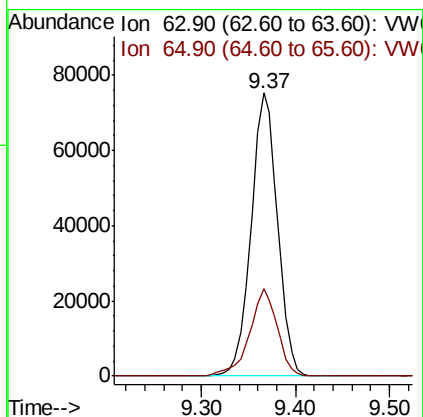
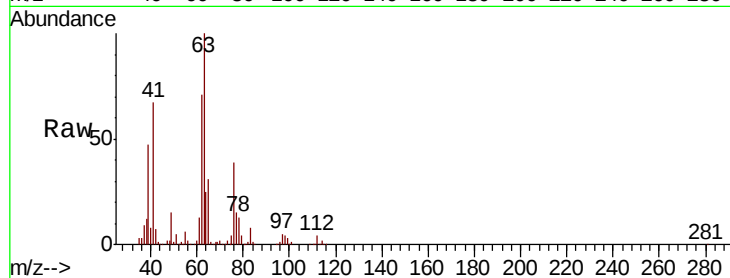
VSTDCCC050EC

Tgt Ion: 63 Resp: 148548

Ion Ratio Lower Upper

63 100

65 30.8 25.0 37.4



#46

Dibromomethane

Concen: 53.531 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

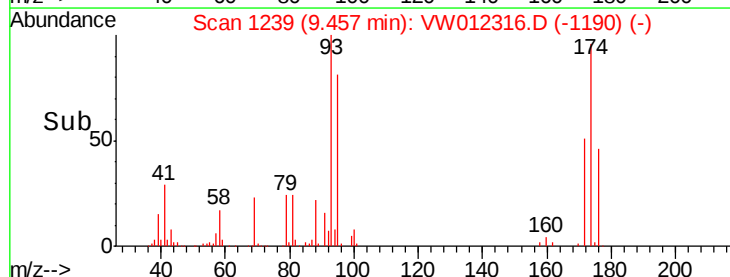
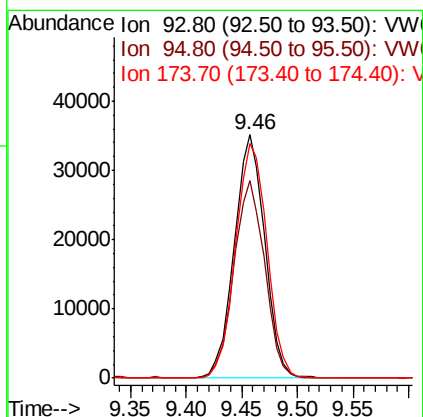
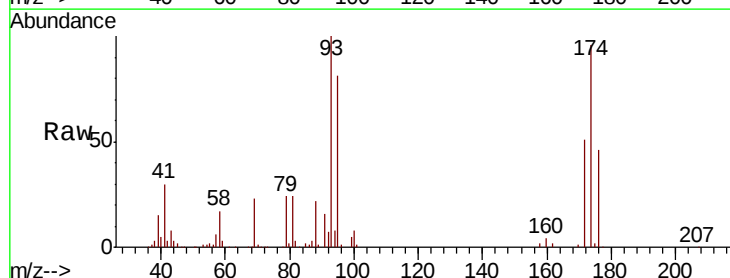
Tgt Ion: 93 Resp: 66576

Ion Ratio Lower Upper

93 100

95 82.4 67.2 100.8

174 99.6 79.0 118.6





#47

Bromodichloromethane

Concen: 53.045 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

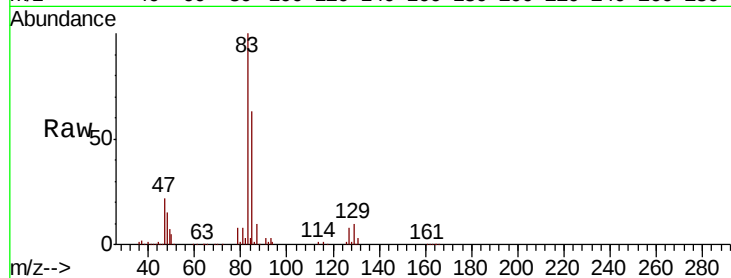
Tgt Ion: 83 Resp: 175577

Ion Ratio Lower Upper

83 100

85 62.9 49.4 74.2

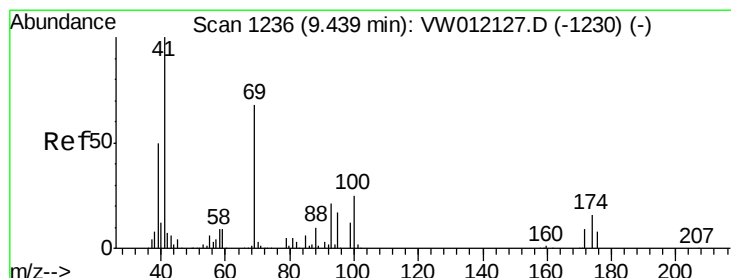
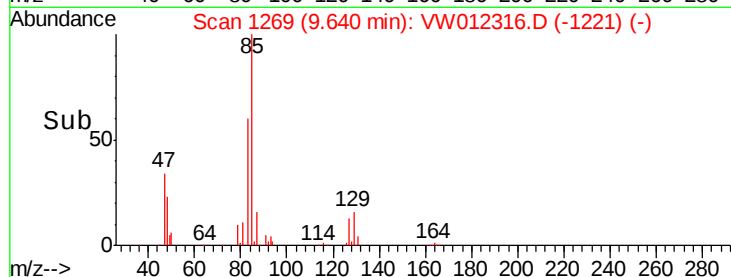
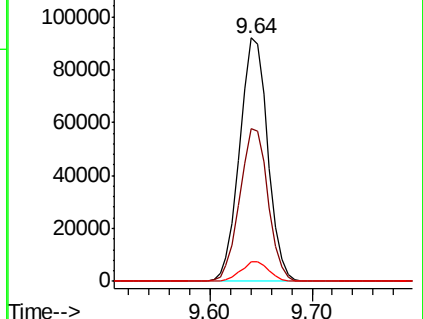
127 7.9 6.1 9.1



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 56.230 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

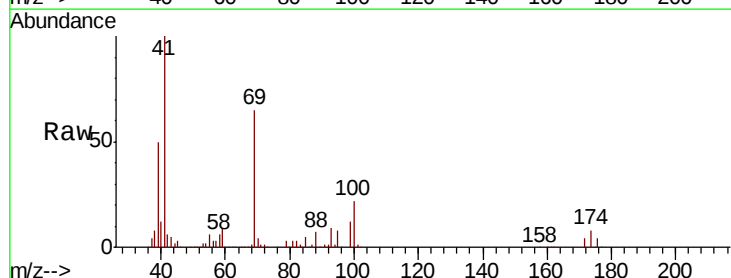
Tgt Ion: 41 Resp: 103328

Ion Ratio Lower Upper

41 100

69 71.3 56.7 85.1

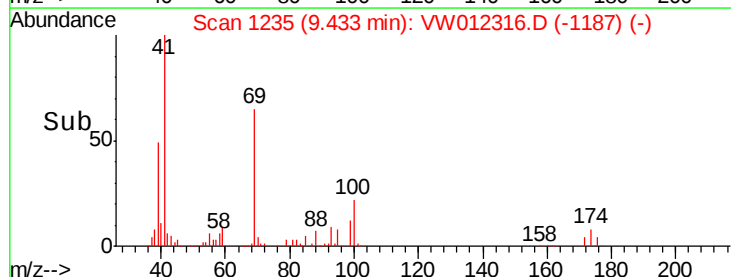
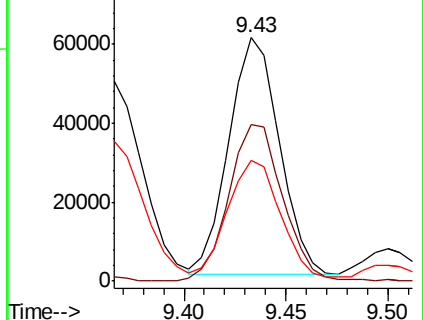
39 54.6 42.0 63.0

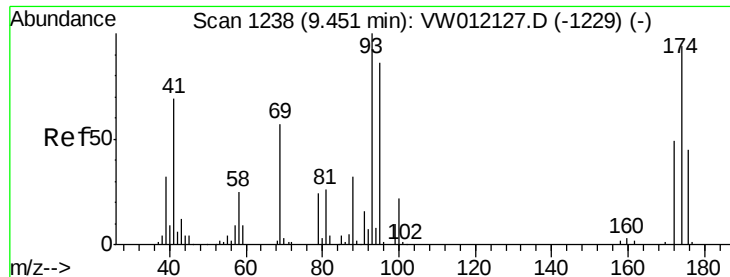


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1006.233 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.00 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

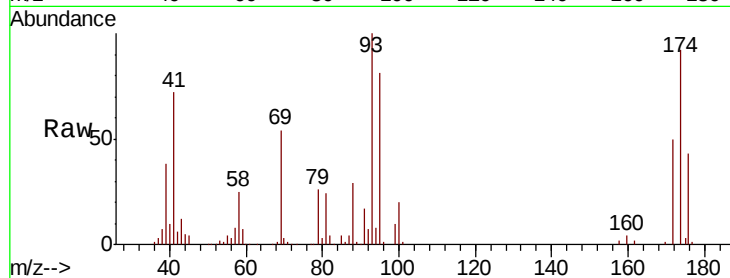
Tgt Ion: 88 Resp: 19158

Ion Ratio Lower Upper

88 100

43 43.5 32.9 49.3

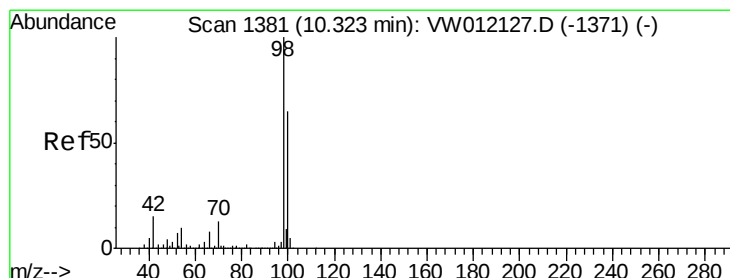
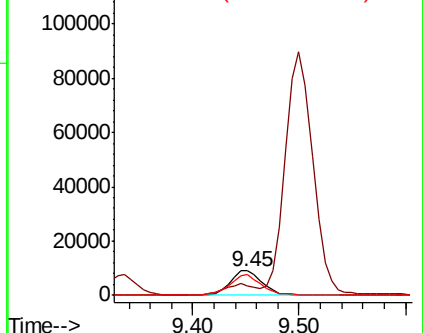
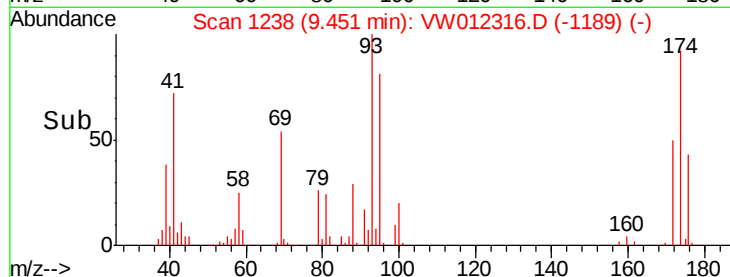
58 86.4 71.0 106.4



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: 51.772 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW012316.D

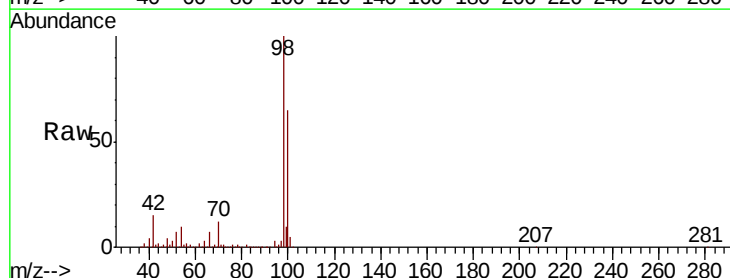
Acq: 29 Aug 2019 20:46

Tgt Ion: 98 Resp: 461208

Ion Ratio Lower Upper

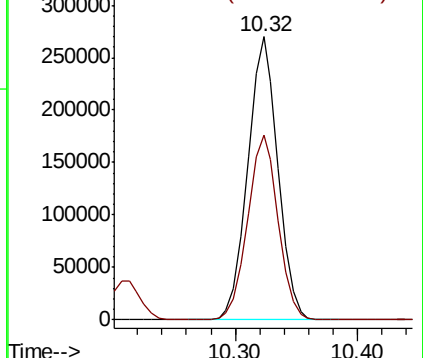
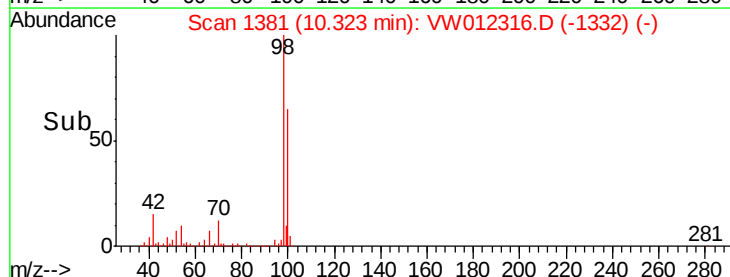
98 100

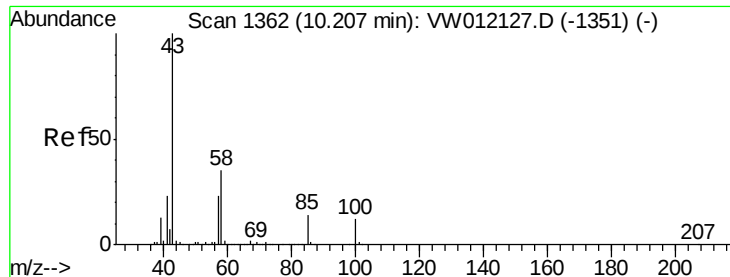
100 66.0 52.4 78.6



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: 272.997 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

Instrument :

MSVOA_W

ClientSampleId :

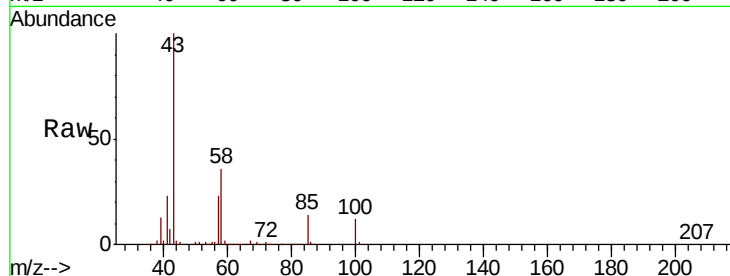
VSTDCCC050EC

Tgt Ion: 43 Resp: 536100

Ion Ratio Lower Upper

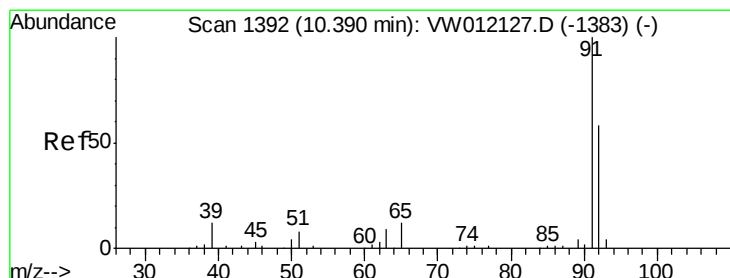
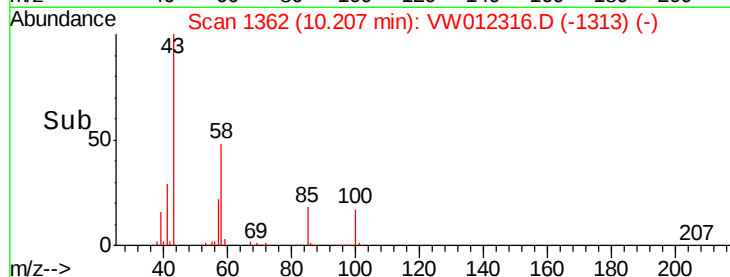
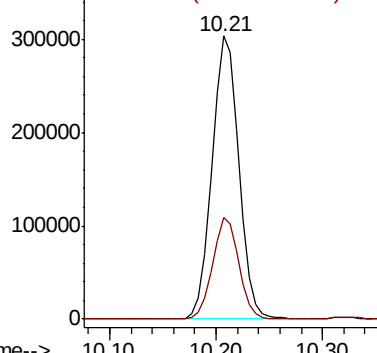
43 100

58 35.2 28.2 42.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 52.348 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012316.D

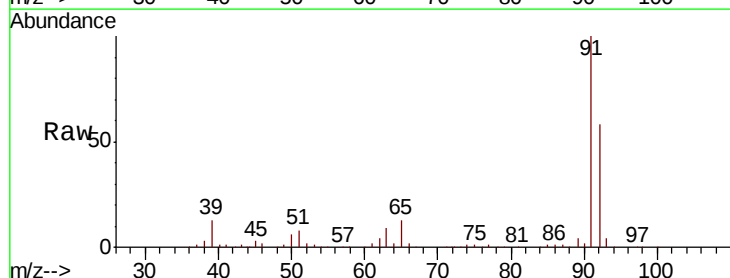
Acq: 29 Aug 2019 20:46

Tgt Ion: 92 Resp: 326619

Ion Ratio Lower Upper

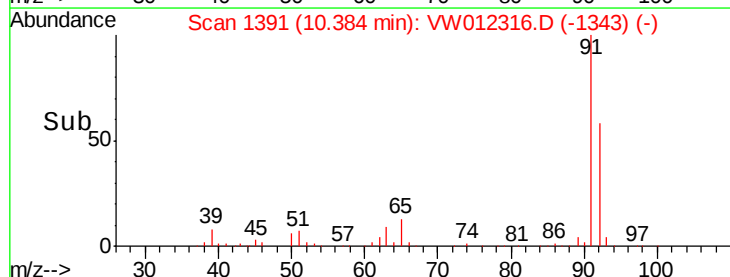
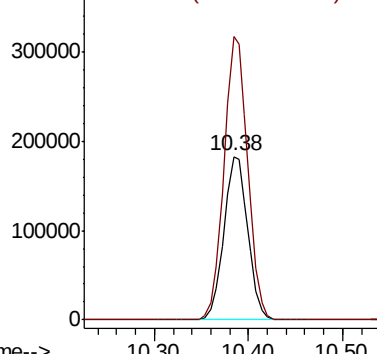
92 100

91 172.3 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 54.264 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

Instrument :

MSVOA_W

ClientSampleId :

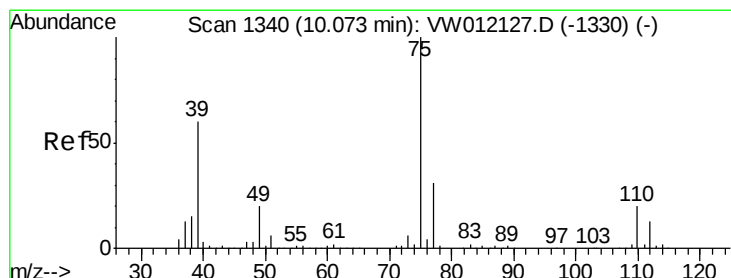
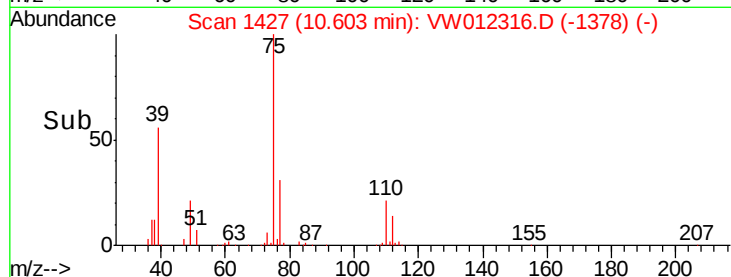
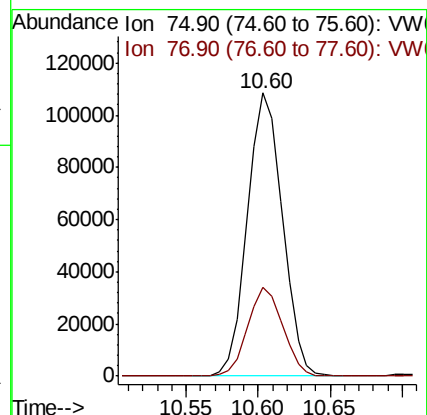
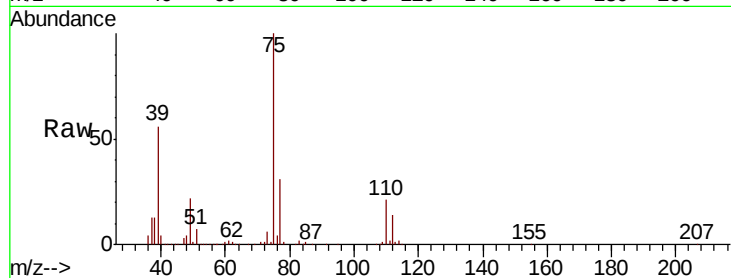
VSTDCCC050EC

Tgt Ion: 75 Resp: 182956

Ion Ratio Lower Upper

75 100

77 31.4 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 53.894 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

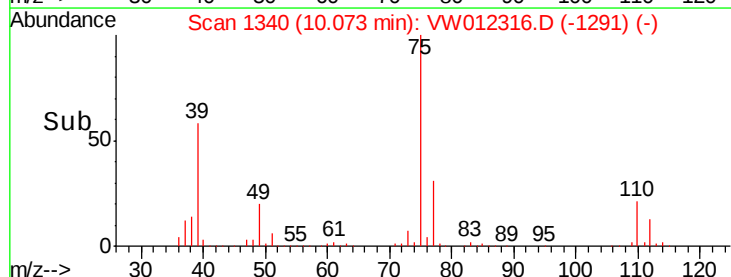
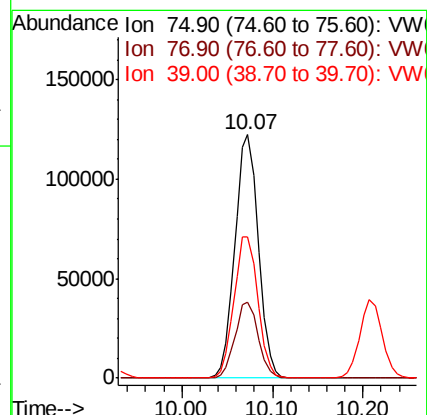
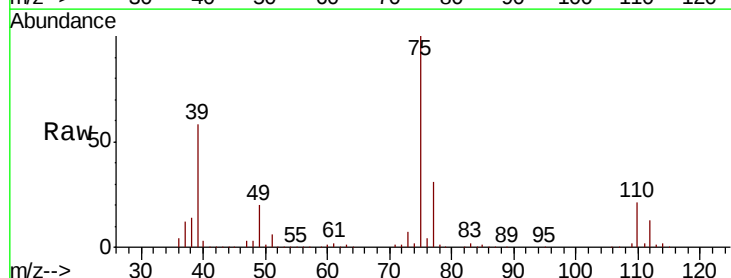
Tgt Ion: 75 Resp: 219404

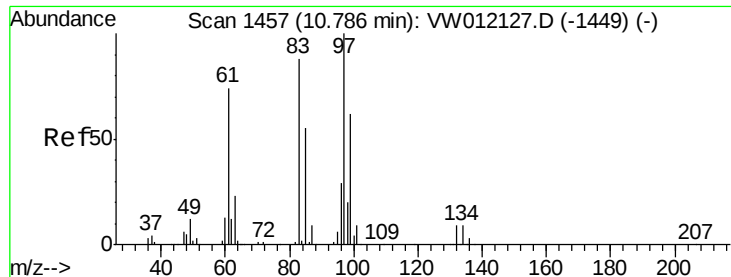
Ion Ratio Lower Upper

75 100

77 31.1 25.1 37.7

39 57.9 48.3 72.5





#55

1,1,2-Trichloroethane

Concen: 54.146 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 95278

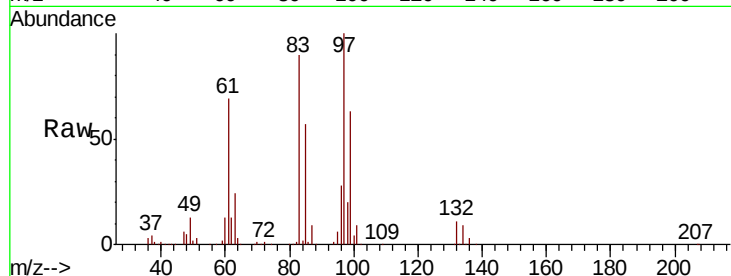
Ion Ratio Lower Upper

97 100

83 90.0 70.8 106.2

85 57.2 43.8 65.8

99 63.2 49.8 74.6



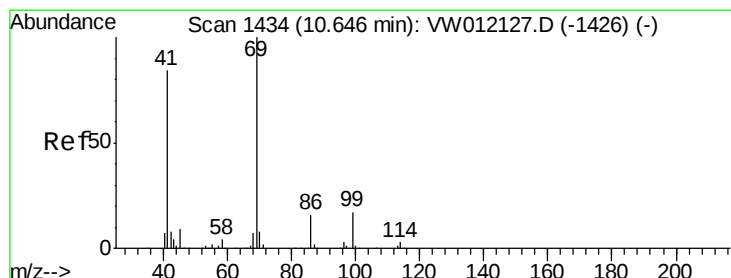
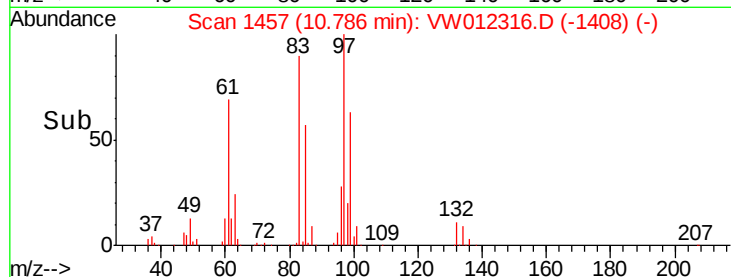
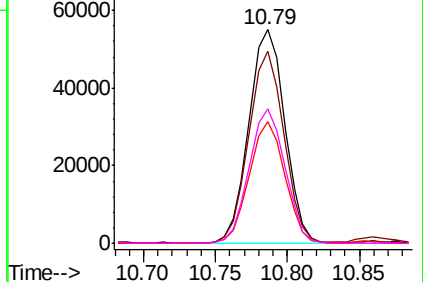
Abundance

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: 56.556 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

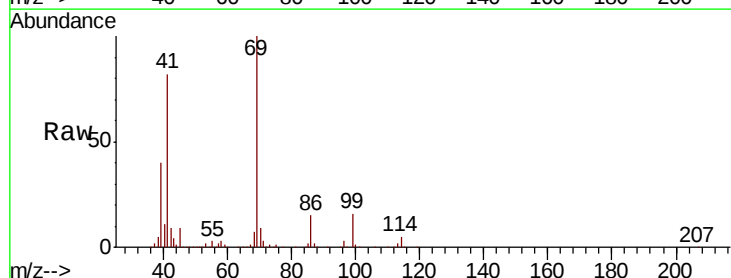
Tgt Ion: 69 Resp: 144840

Ion Ratio Lower Upper

69 100

41 82.7 66.5 99.7

39 36.4 31.0 46.4

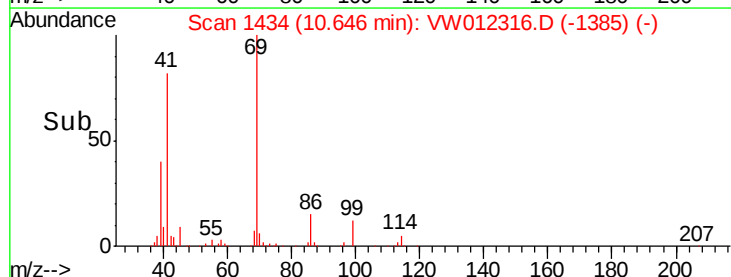
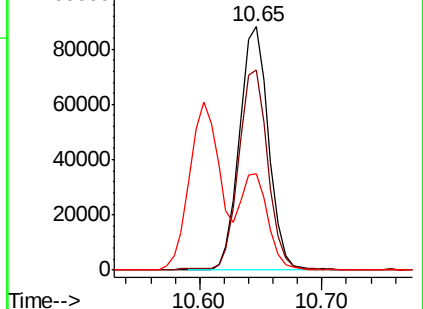


Abundance

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

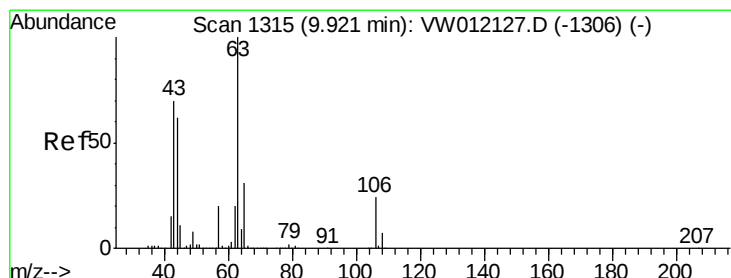
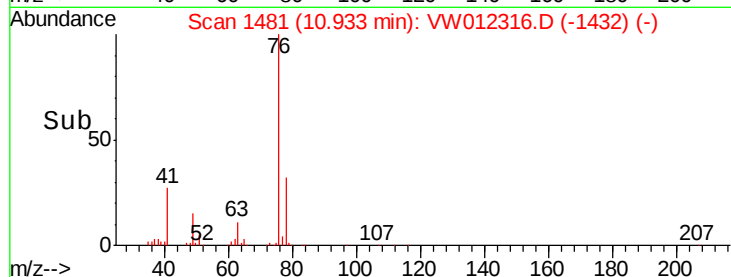
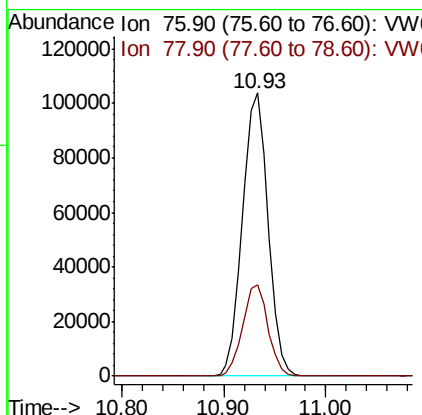
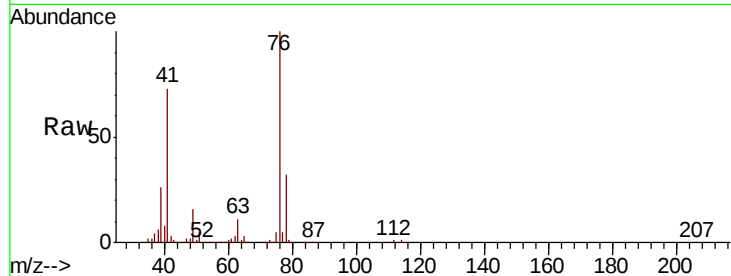




#57
 1,3-Dichloropropane
 Concen: 54.409 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012316.D
 Acq: 29 Aug 2019 20:46

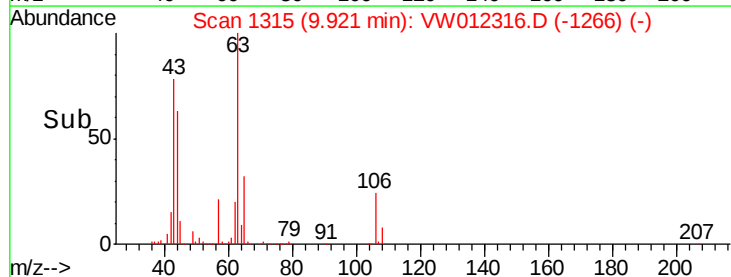
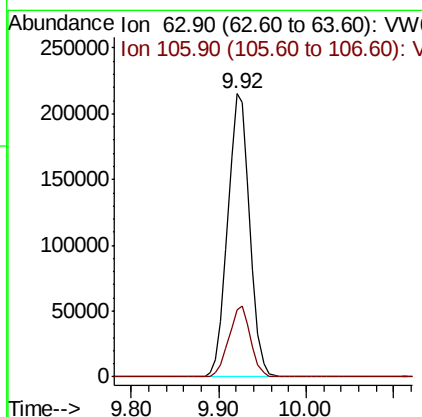
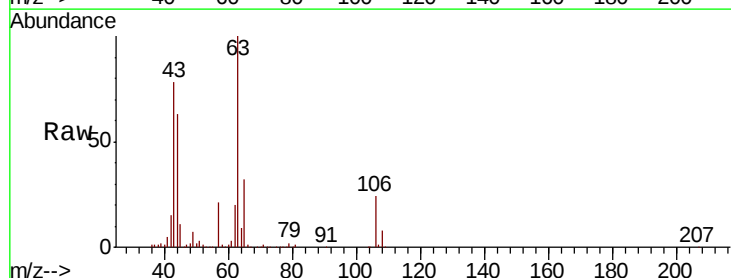
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 76 Resp: 180926
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 285.437 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012316.D
 Acq: 29 Aug 2019 20:46

Tgt Ion: 63 Resp: 375169
 Ion Ratio Lower Upper
 63 100
 106 24.6 19.8 29.8

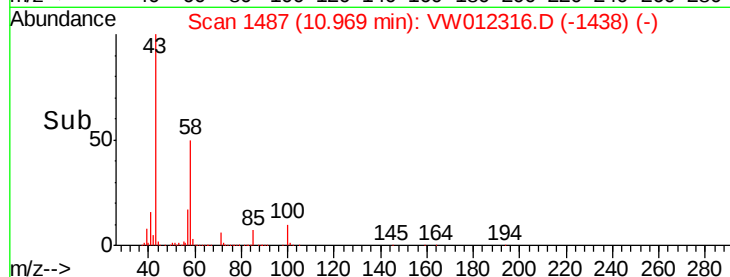
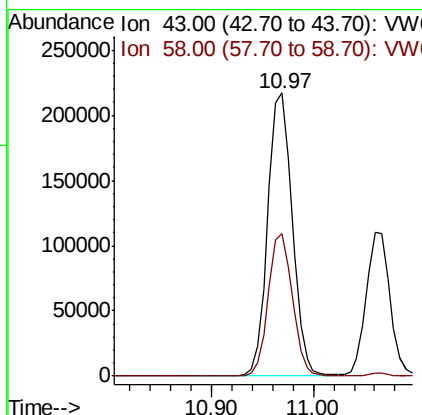
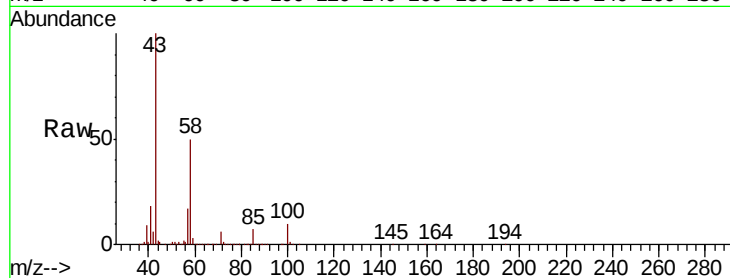




#59
2-Hexanone
Concen: 261.008 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

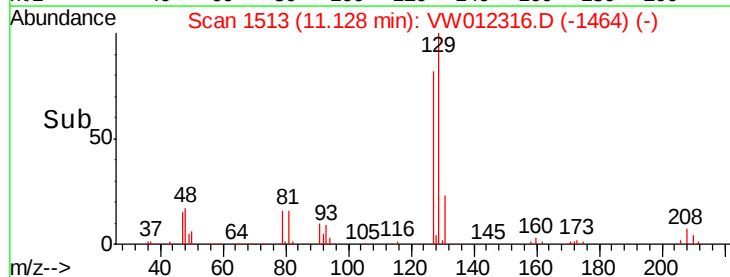
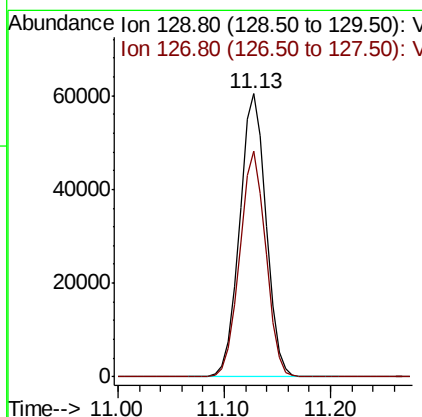
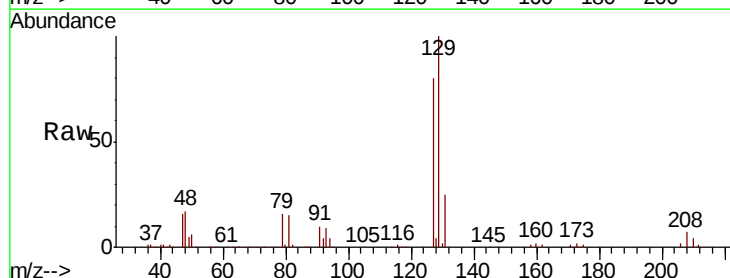
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

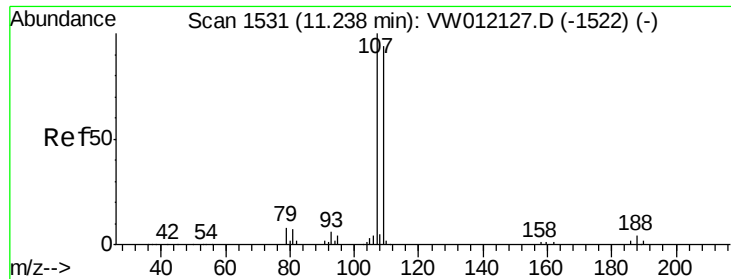
Tgt Ion: 43 Resp: 362667
Ion Ratio Lower Upper
43 100
58 49.6 24.3 72.9



#60
Dibromochloromethane
Concen: 53.683 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

Tgt Ion: 129 Resp: 105215
Ion Ratio Lower Upper
129 100
127 78.8 38.6 115.8

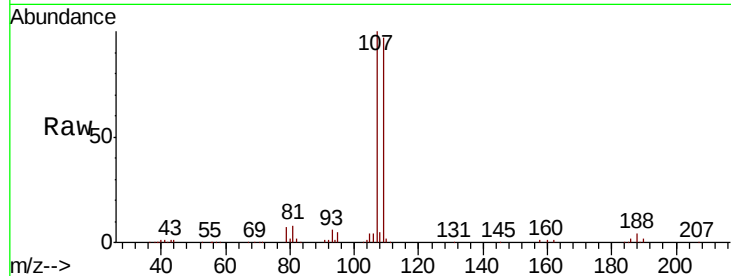




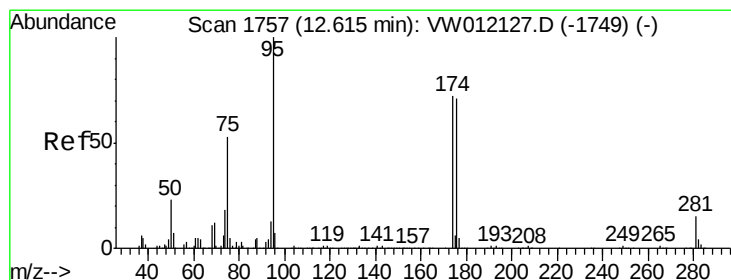
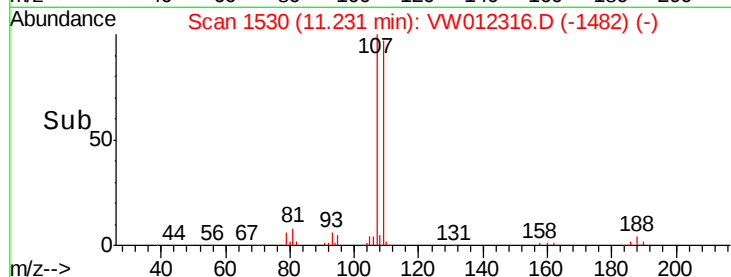
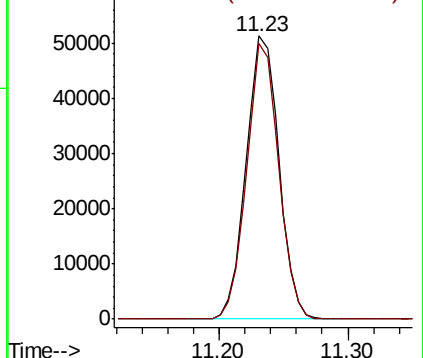
#61
 1,2-Dibromoethane
 Concen: 54.902 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012316.D
 Acq: 29 Aug 2019 20:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 107 Resp: 90003
 Ion Ratio Lower Upper
 107 100
 109 94.7 75.4 113.2

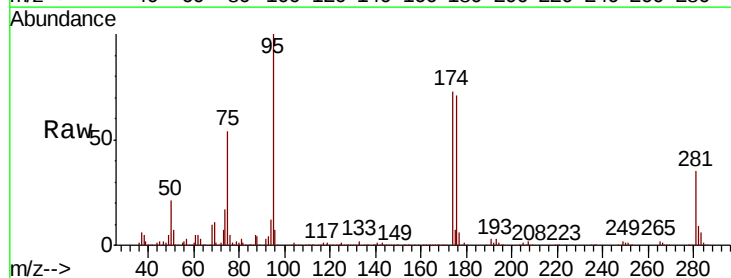


Abundance Ion 106.90 (106.60 to 107.60): V
 Ion 108.80 (108.50 to 109.50): V

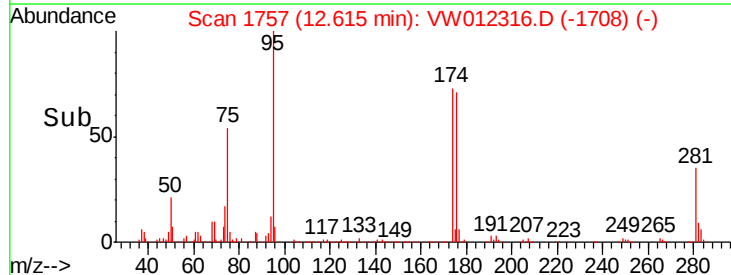
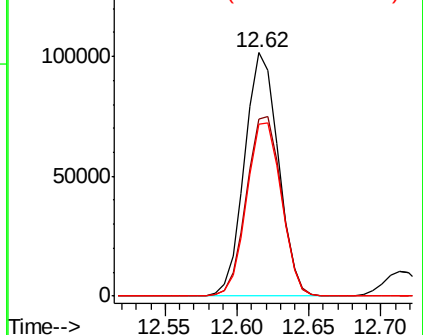


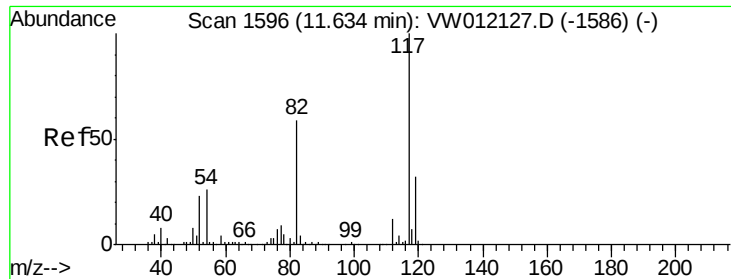
#62
 4-Bromofluorobenzene
 Concen: 52.485 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012316.D
 Acq: 29 Aug 2019 20:46

Tgt Ion: 95 Resp: 164814
 Ion Ratio Lower Upper
 95 100
 174 76.3 0.0 150.8
 176 73.4 0.0 148.6



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

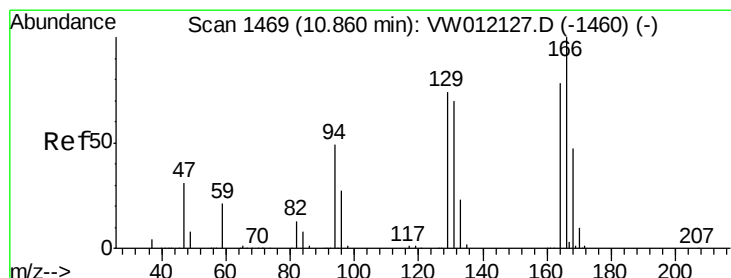
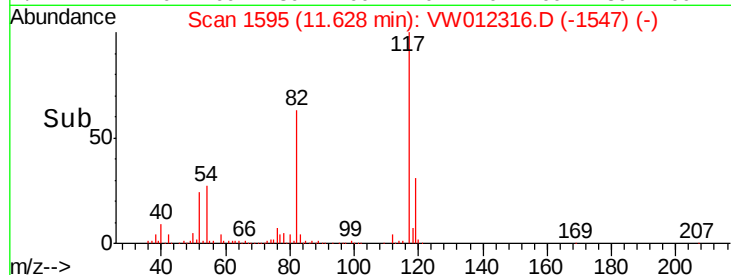
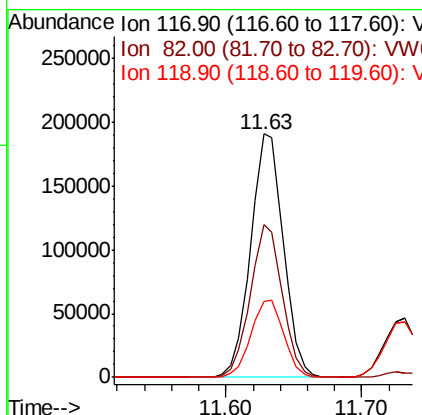
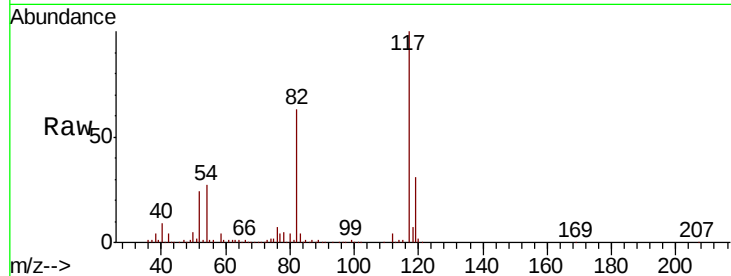




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

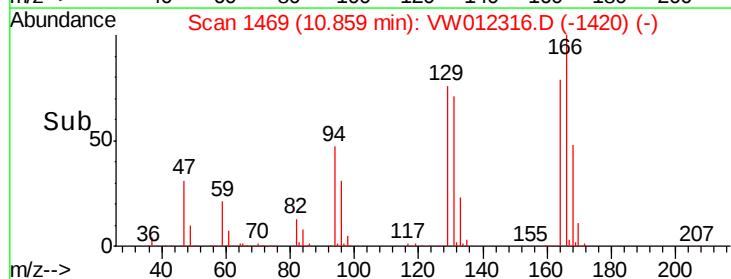
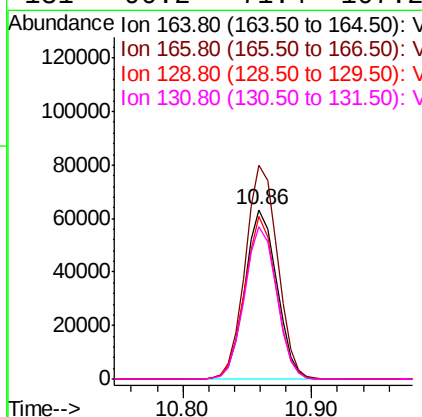
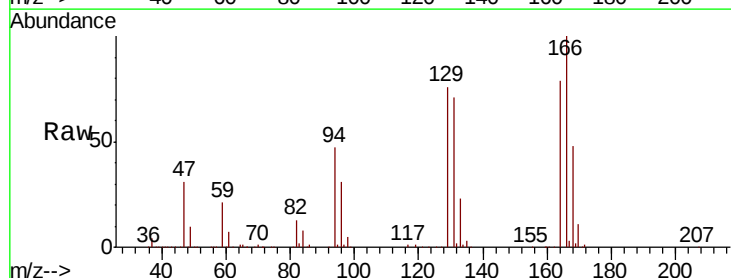
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

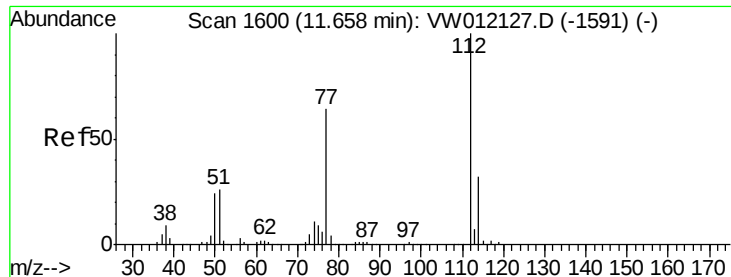
Tgt Ion:117 Resp: 321269
Ion Ratio Lower Upper
117 100
82 62.5 47.4 71.2
119 31.3 25.4 38.2



#64
Tetrachloroethene
Concen: 51.798 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

Tgt Ion:164 Resp: 107889
Ion Ratio Lower Upper
164 100
166 126.2 102.4 153.6
129 96.1 75.8 113.6
131 90.2 71.4 107.2

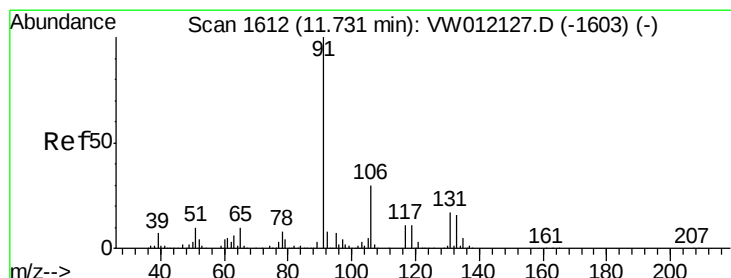
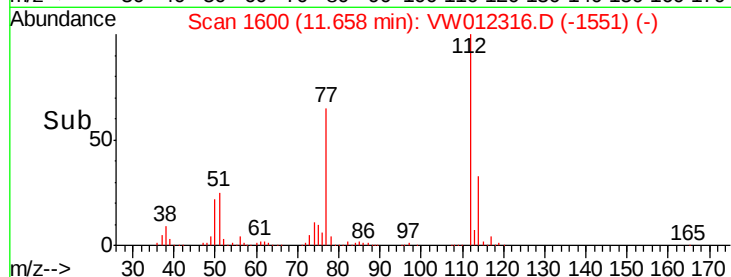
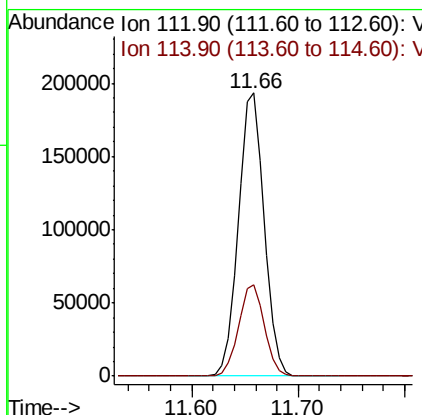
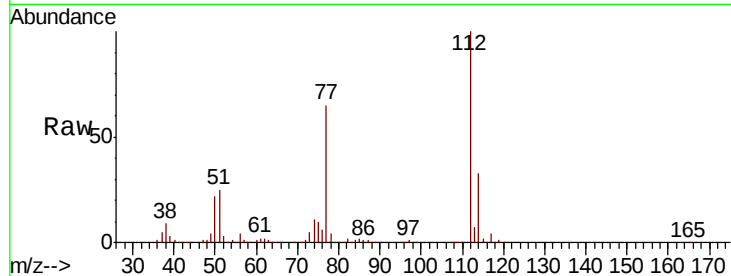




#65
Chlorobenzene
Concen: 51.891 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

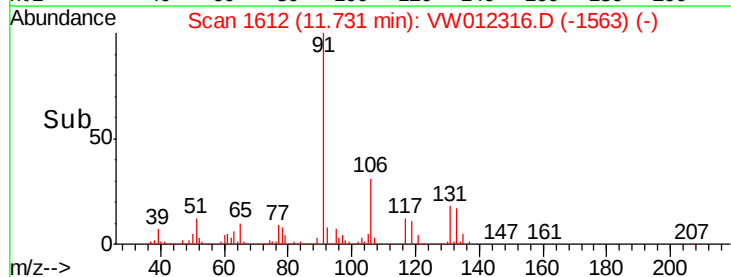
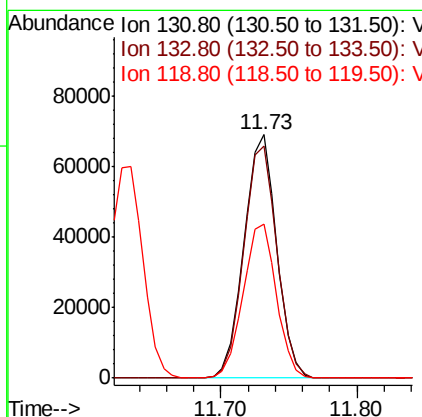
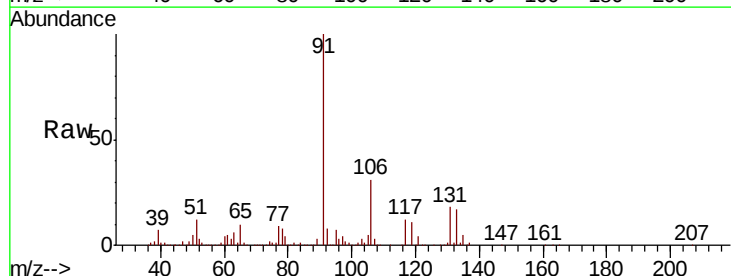
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 328265
Ion Ratio Lower Upper
112 100
114 32.5 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 52.740 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

Tgt Ion:131 Resp: 116393
Ion Ratio Lower Upper
131 100
133 97.0 47.1 141.3
119 64.5 31.8 95.3

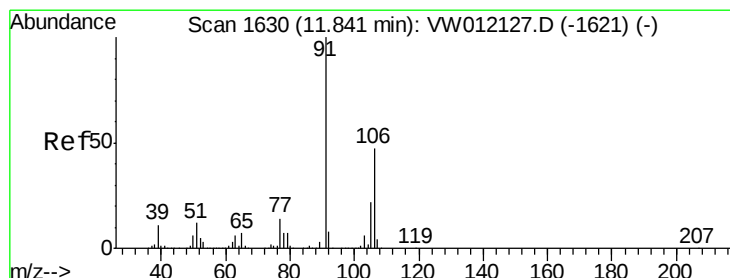
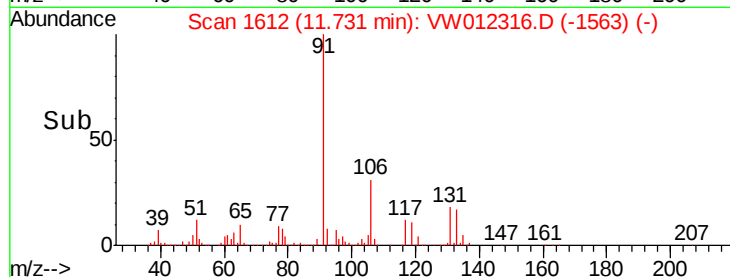
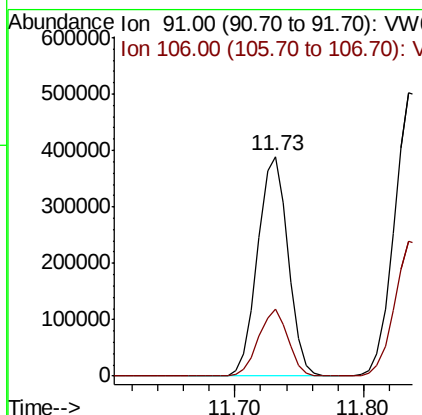
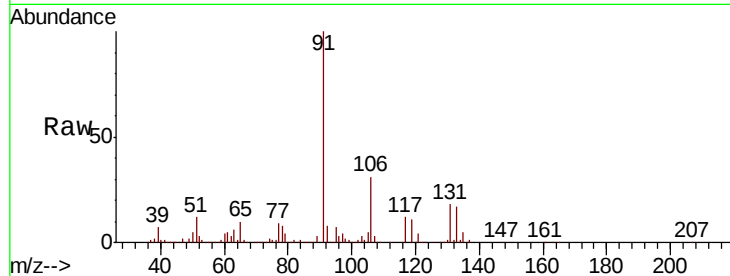




#67
Ethyl Benzene
Concen: 51.978 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

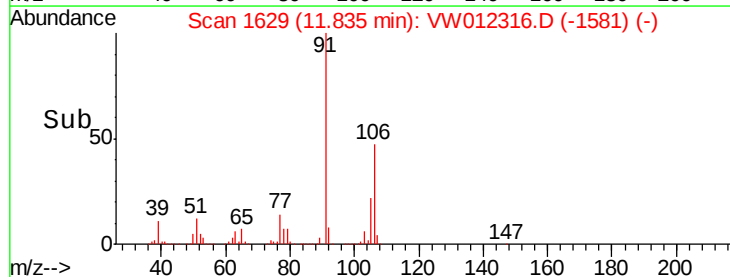
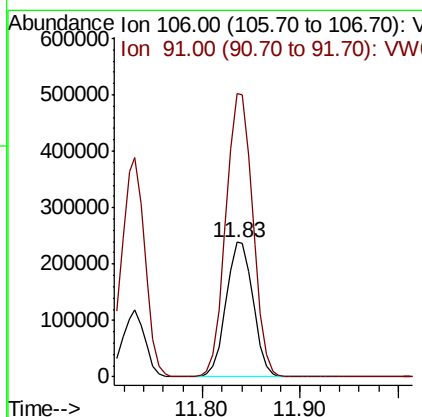
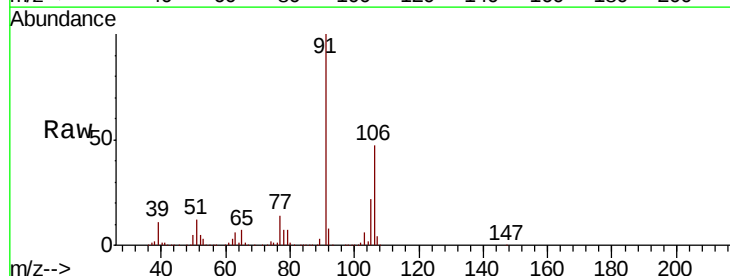
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 633409
Ion Ratio Lower Upper
91 100
106 30.6 24.3 36.5



#68
m/p-Xylenes
Concen: 103.870 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

Tgt Ion: 106 Resp: 455944
Ion Ratio Lower Upper
106 100
91 210.4 169.5 254.3

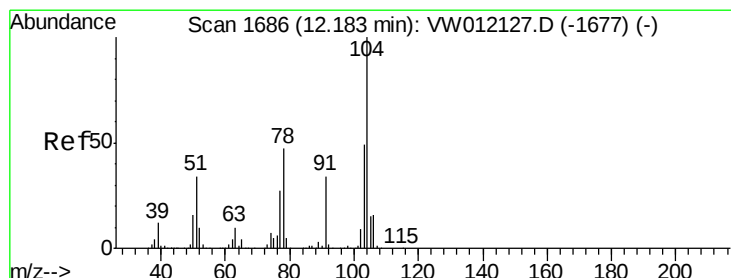
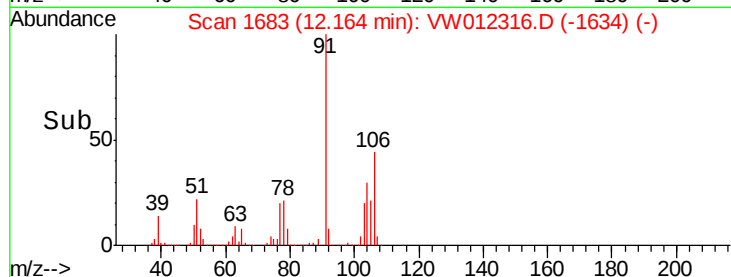
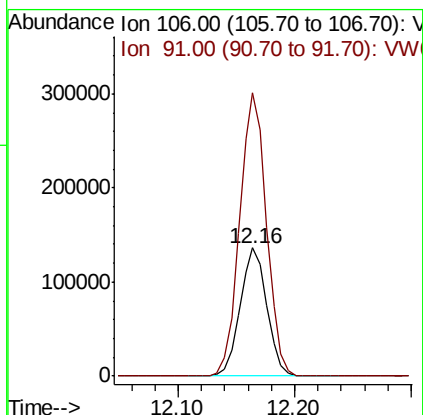
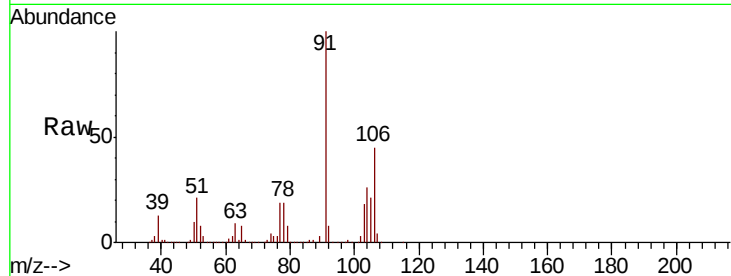




#69
o-Xylene
Concen: 53.428 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

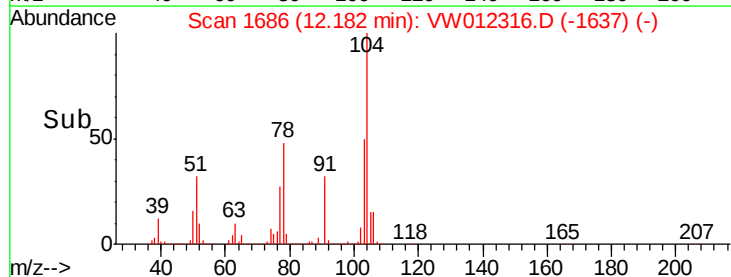
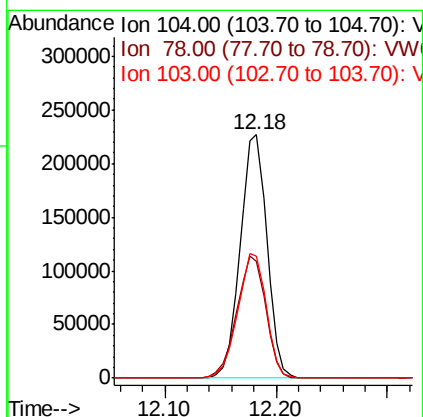
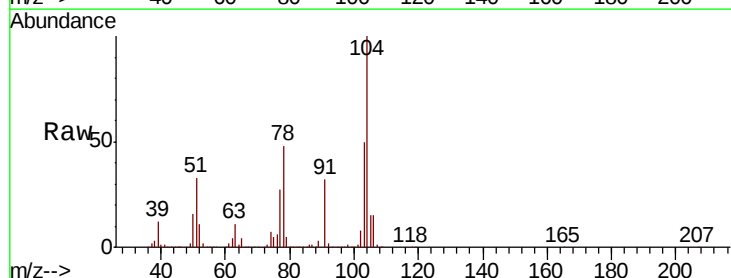
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

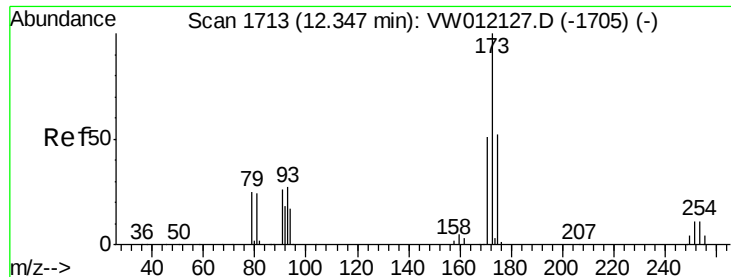
Tgt Ion:106 Resp: 217062
Ion Ratio Lower Upper
106 100
91 221.4 111.6 334.6



#70
Styrene
Concen: 53.603 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

Tgt Ion:104 Resp: 376942
Ion Ratio Lower Upper
104 100
78 54.4 43.1 64.7
103 54.8 43.5 65.3





#71

Bromoform

Concen: 53.427 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

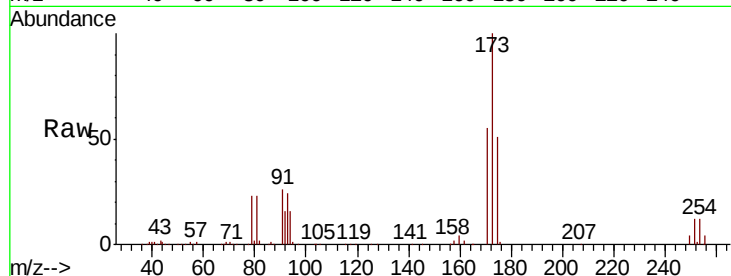
Tgt Ion:173 Resp: 58745

Ion Ratio Lower Upper

173 100

175 49.0 24.6 74.0

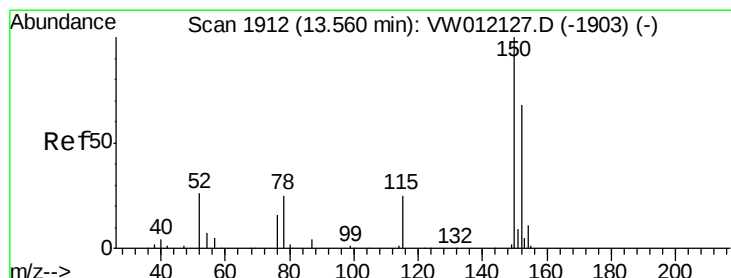
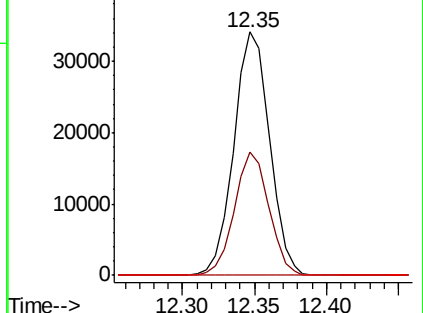
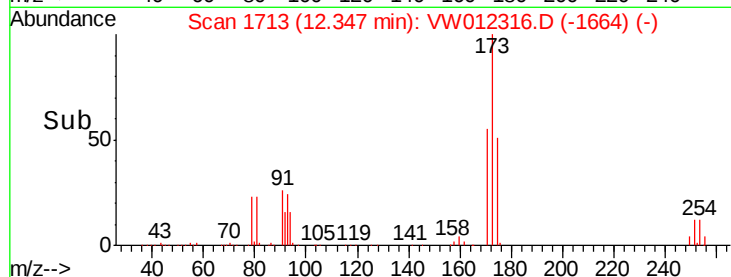
254 0.2 0.2 0.2



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

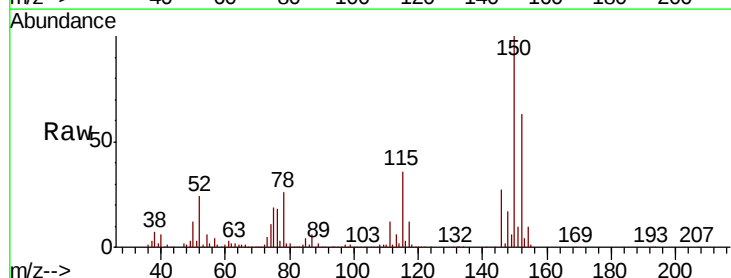
Tgt Ion:152 Resp: 152595

Ion Ratio Lower Upper

152 100

115 59.7 30.1 90.3

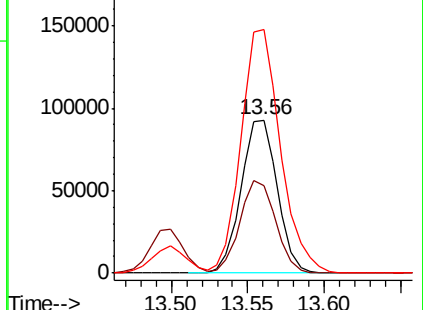
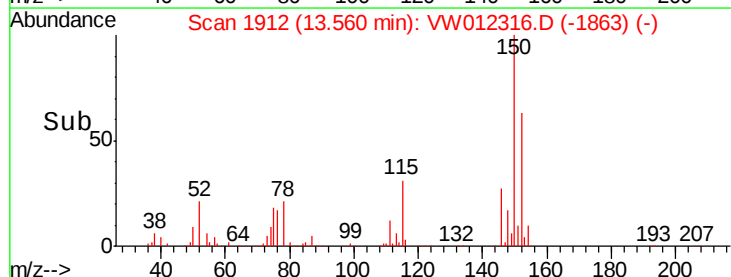
150 173.2 0.0 345.8

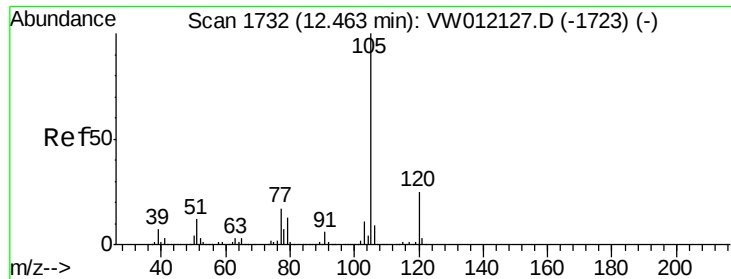


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.034 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

Instrument :

MSVOA_W

ClientSampleId :

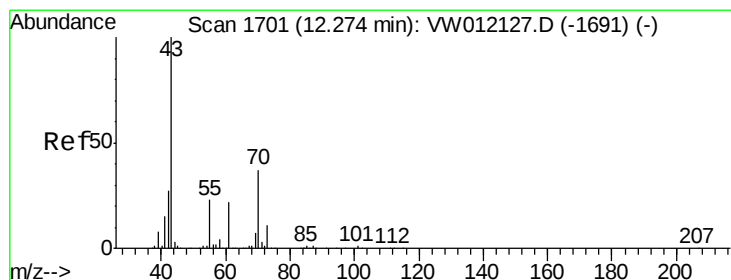
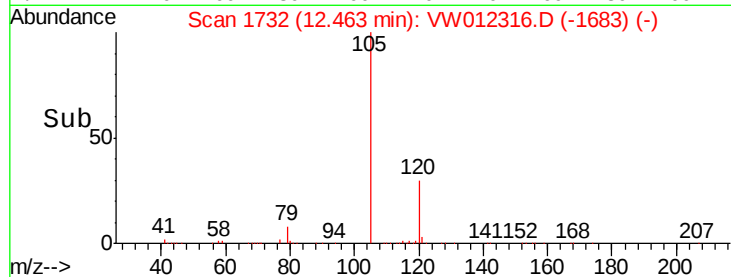
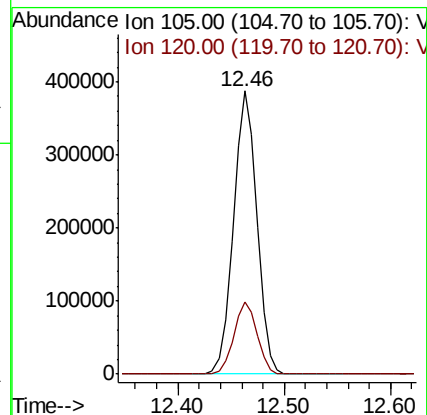
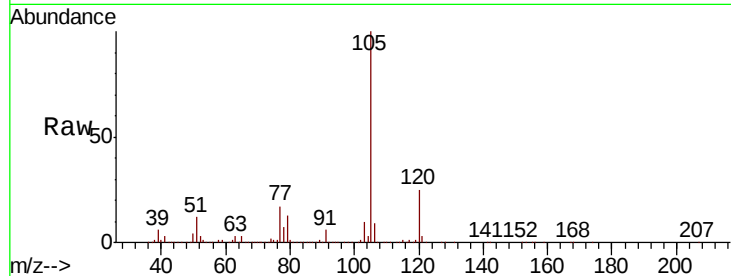
VSTDCCC050EC

Tgt Ion: 105 Resp: 594970

Ion Ratio Lower Upper

105 100

120 25.4 12.5 37.5



#74

N-ethyl acetate

Concen: 55.031 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

Tgt Ion: 43 Resp: 190109

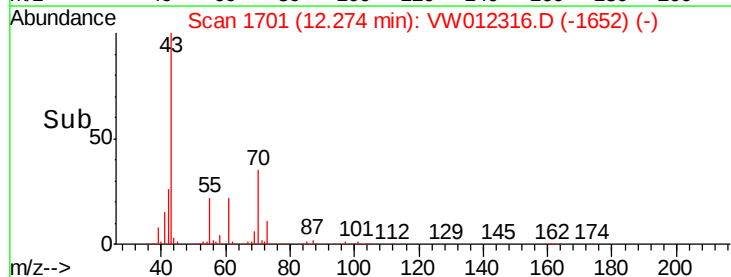
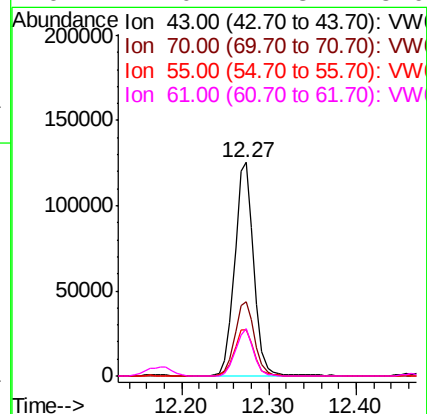
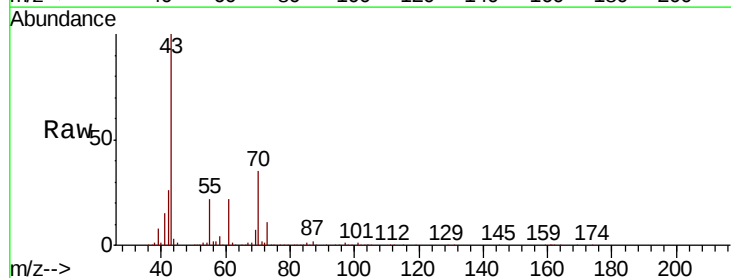
Ion Ratio Lower Upper

43 100

70 35.6 28.6 43.0

55 22.2 17.8 26.6

61 21.0 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 52.793 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

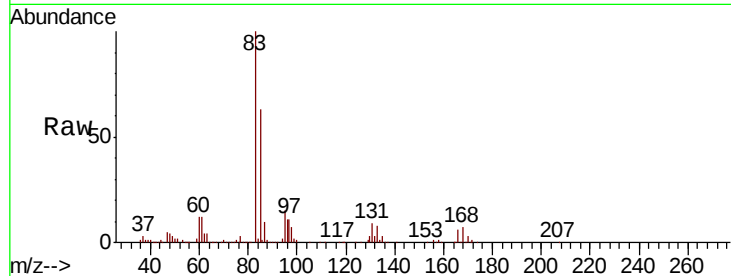
Tgt Ion: 83 Resp: 110665

Ion Ratio Lower Upper

83 100

131 10.0 4.9 14.7

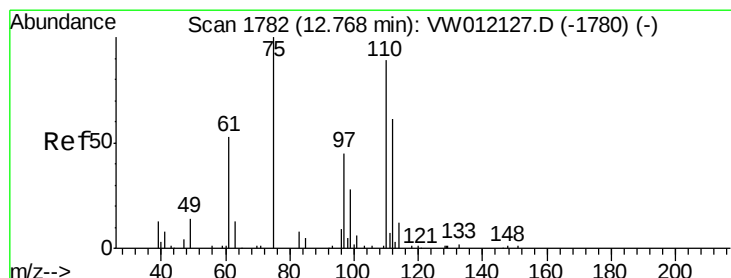
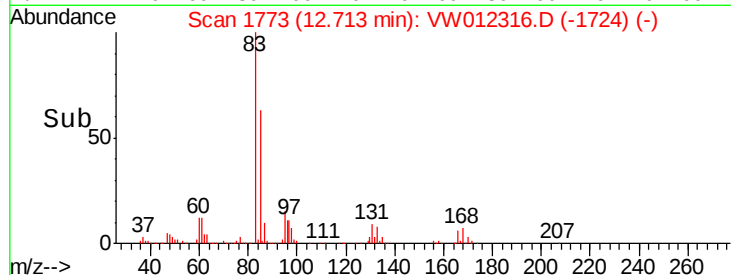
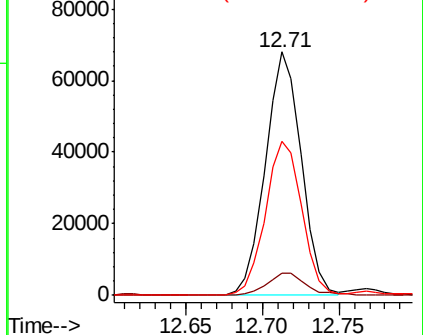
85 64.4 31.9 95.7



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: 99.006 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012316.D

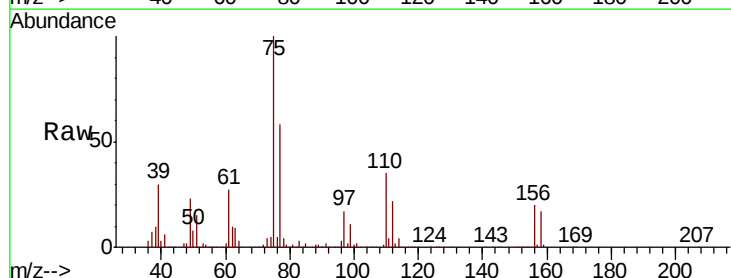
Acq: 29 Aug 2019 20:46

Tgt Ion: 75 Resp: 147140

Ion Ratio Lower Upper

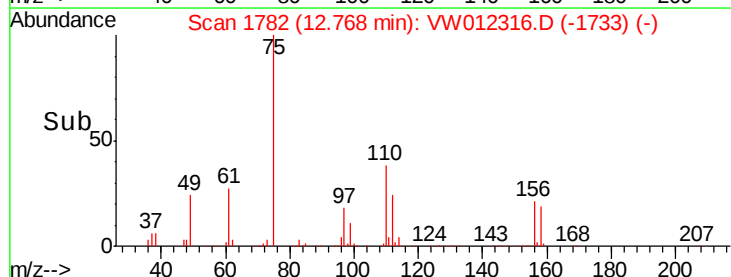
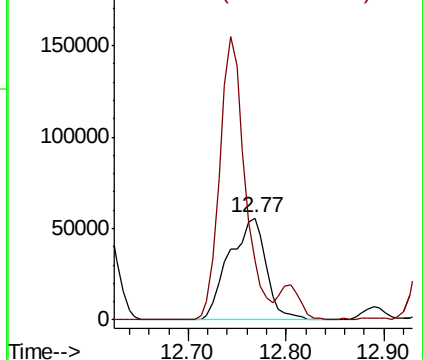
75 100

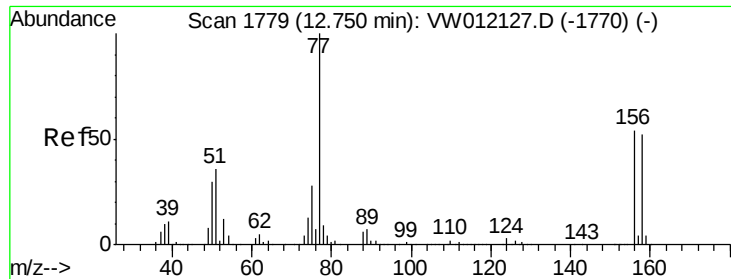
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

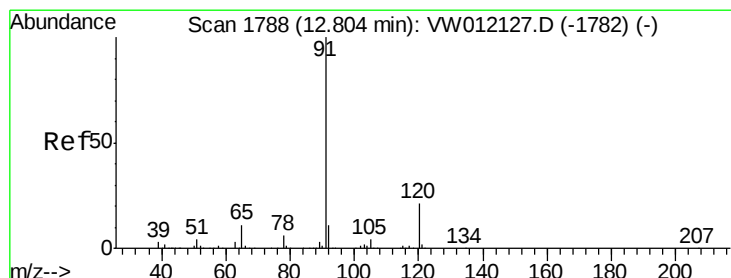
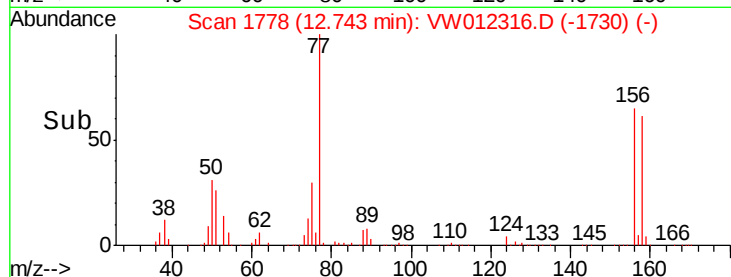
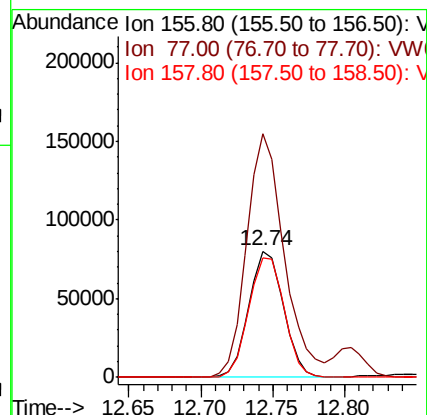
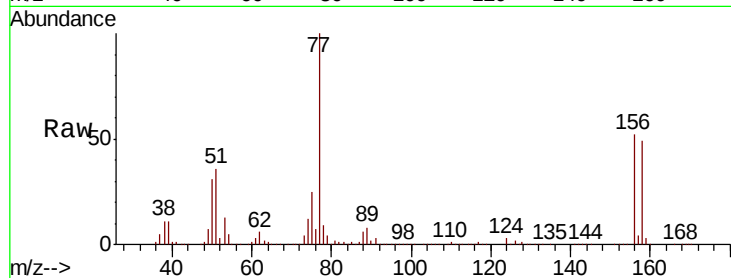




#77
Bromobenzene
Concen: 54.068 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.01 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

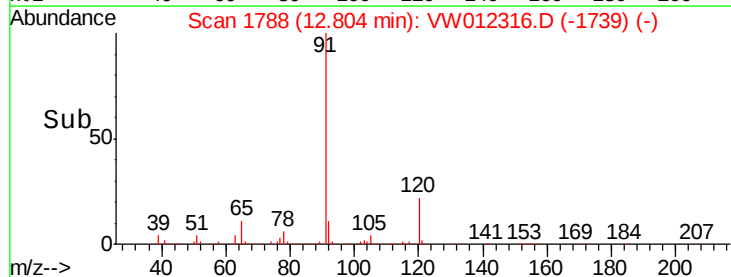
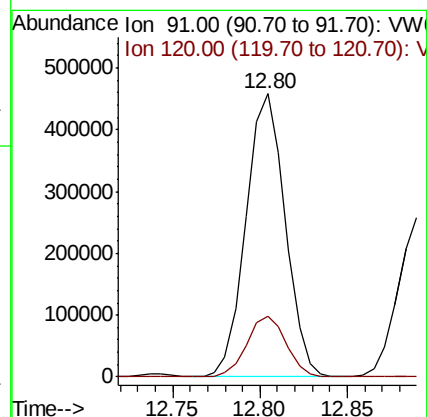
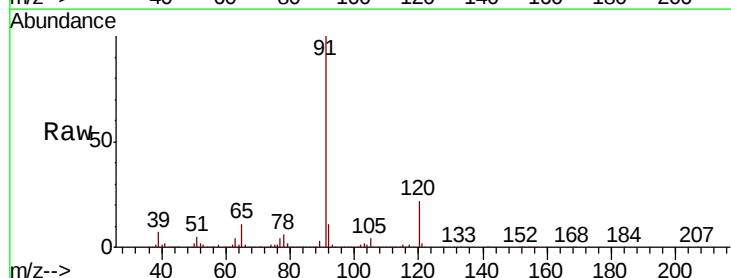
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

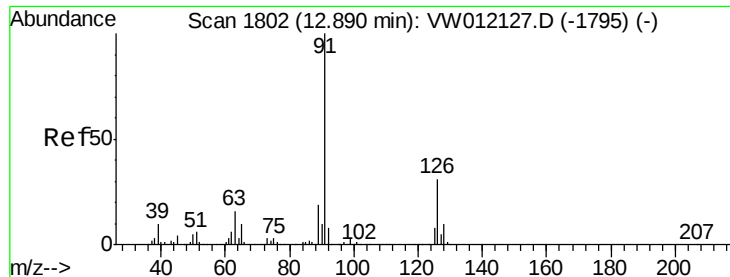
Tgt Ion:156 Resp: 133746
Ion Ratio Lower Upper
156 100
77 208.9 107.3 321.8
158 96.6 49.0 147.0



#78
n-propylbenzene
Concen: 51.137 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

Tgt Ion: 91 Resp: 713810
Ion Ratio Lower Upper
91 100
120 21.6 10.5 31.6





#79

2-Chlorotoluene

Concen: 52.408 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

Instrument :

MSVOA_W

ClientSampleId :

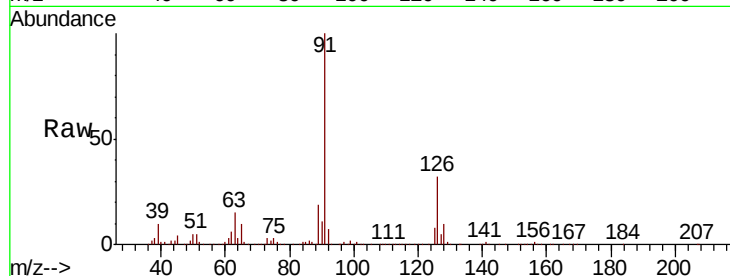
VSTDCCC050EC

Tgt Ion: 91 Resp: 415332

Ion Ratio Lower Upper

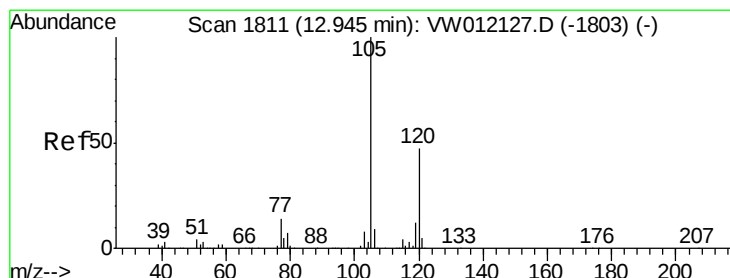
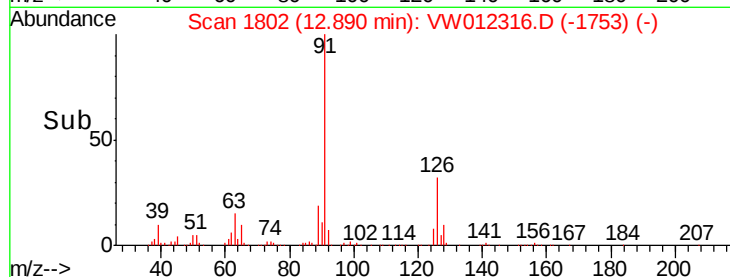
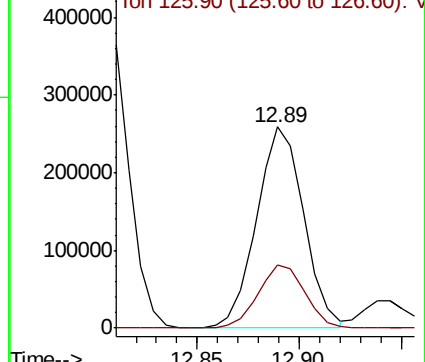
91 100

126 31.5 15.7 47.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 52.430 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012316.D

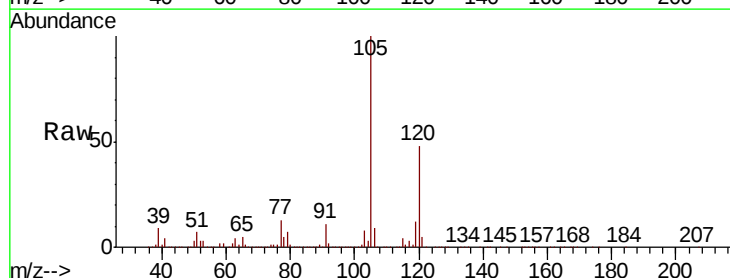
Acq: 29 Aug 2019 20:46

Tgt Ion: 105 Resp: 500940

Ion Ratio Lower Upper

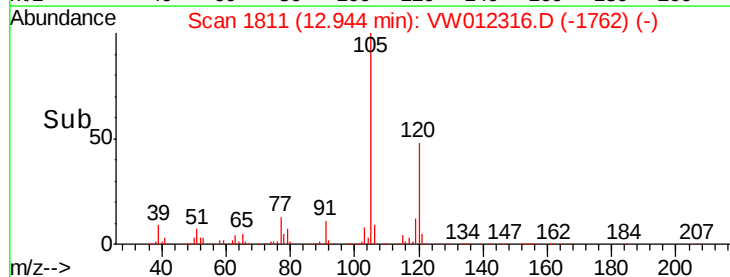
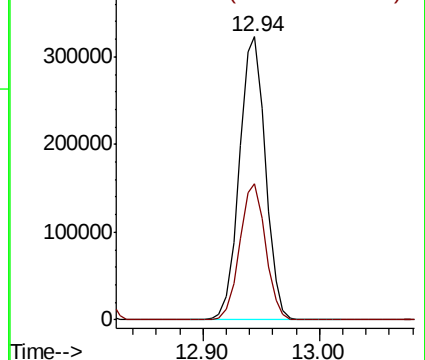
105 100

120 48.1 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 53.527 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

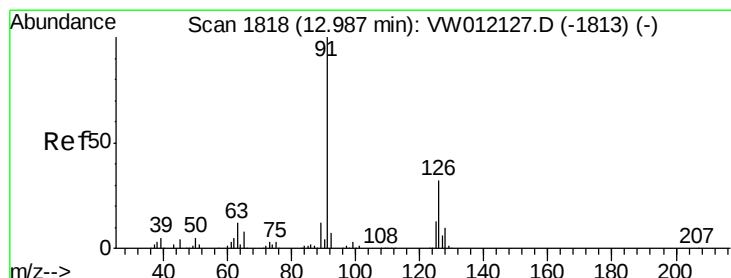
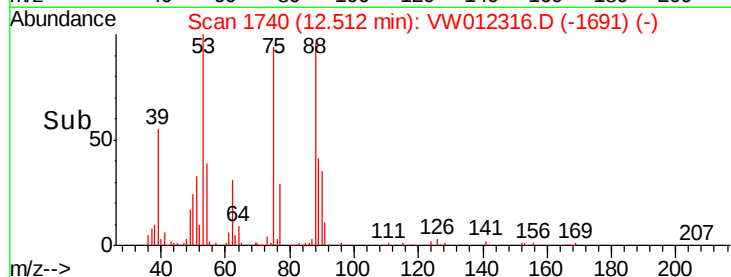
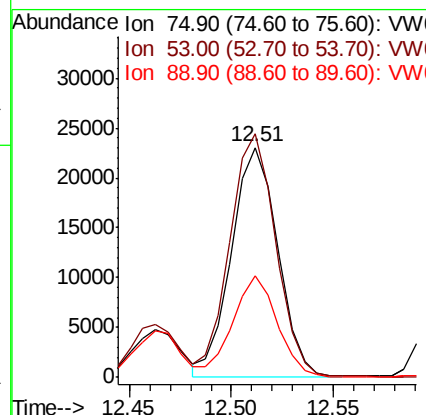
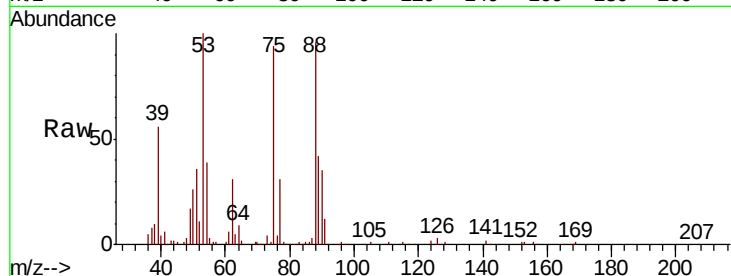
Tgt Ion: 75 Resp: 36282

Ion Ratio Lower Upper

75 100

53 106.7 89.4 134.0

89 42.1 34.5 51.7



#82

4-Chlorotoluene

Concen: 52.207 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW012316.D

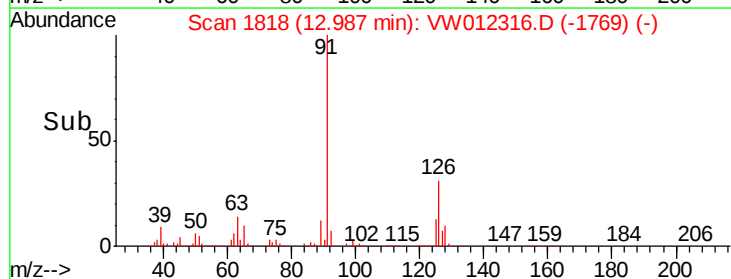
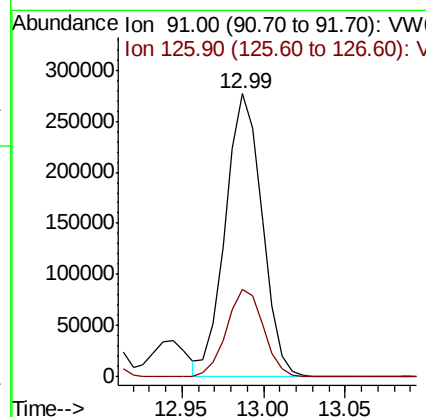
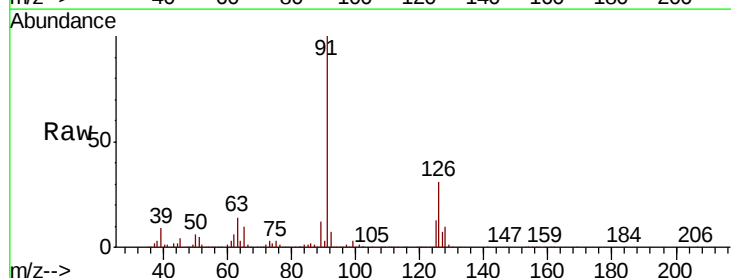
Acq: 29 Aug 2019 20:46

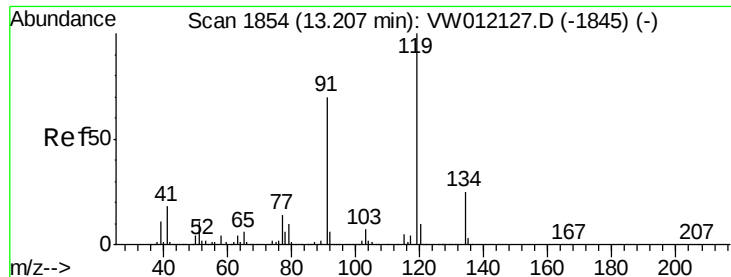
Tgt Ion: 91 Resp: 433221

Ion Ratio Lower Upper

91 100

126 31.2 15.6 46.8

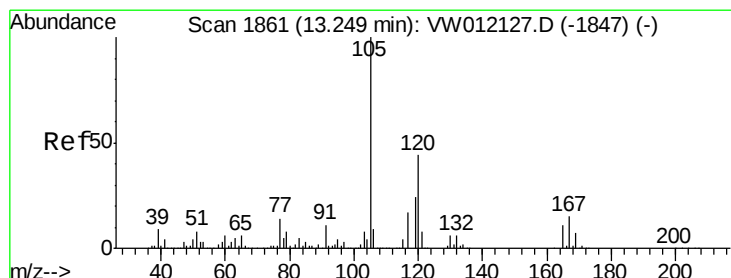
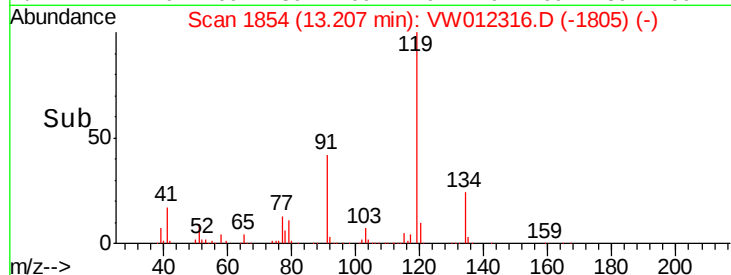
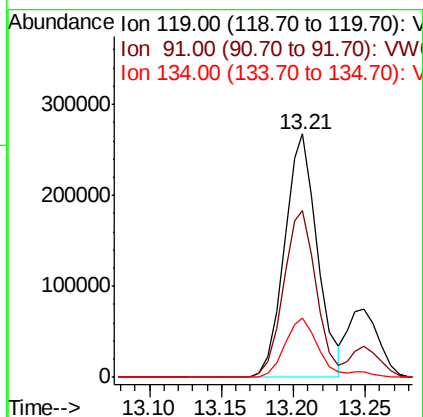
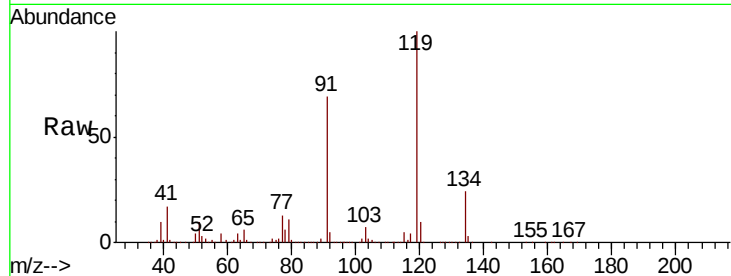




#83
tert-Butylbenzene
Concen: 52.614 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

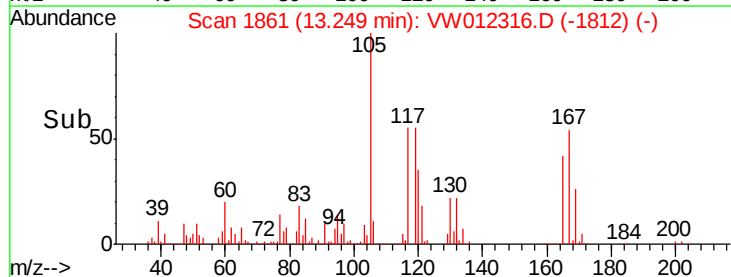
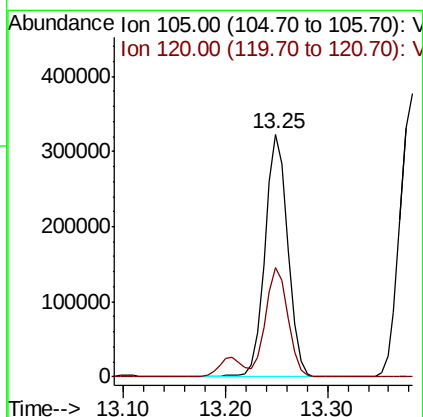
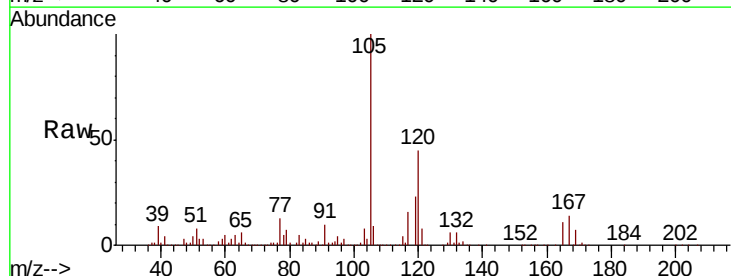
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

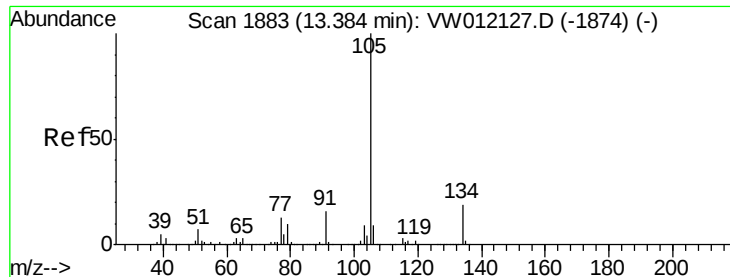
Tgt Ion:119 Resp: 425822
Ion Ratio Lower Upper
119 100
91 68.4 34.8 104.3
134 26.2 13.3 39.8



#84
1,2,4-Trimethylbenzene
Concen: 52.125 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

Tgt Ion:105 Resp: 500273
Ion Ratio Lower Upper
105 100
120 43.8 21.9 65.7

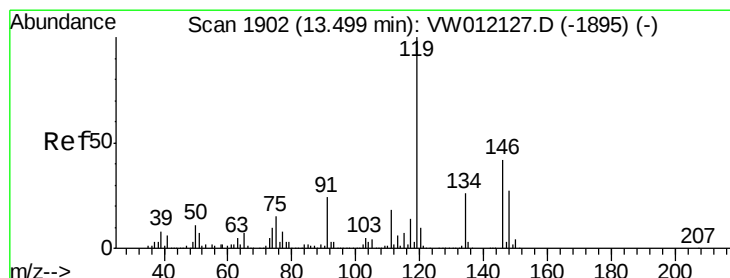
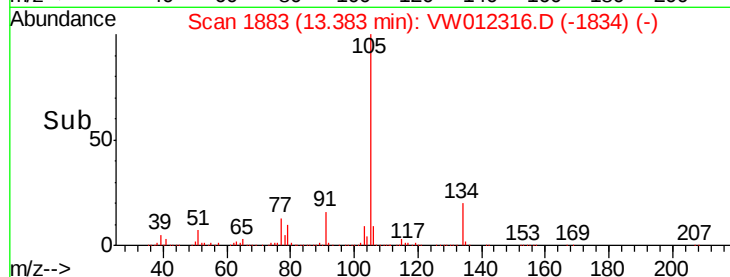
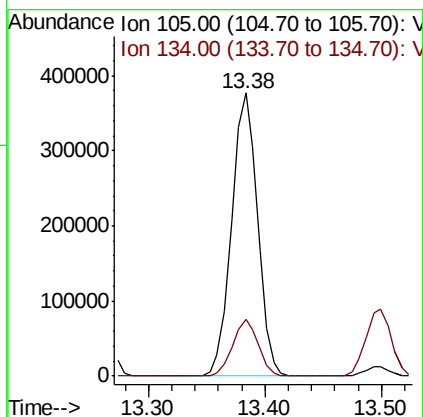
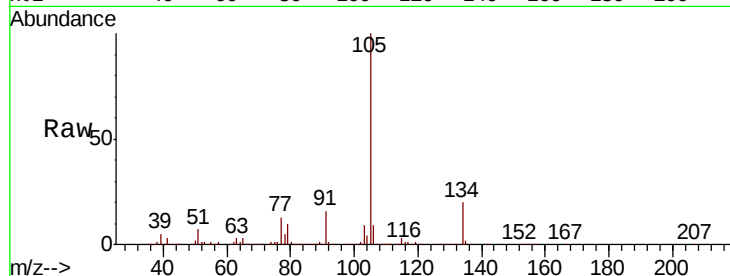




#85
 sec-Butylbenzene
 Concen: 50.356 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012316.D
 Acq: 29 Aug 2019 20:46

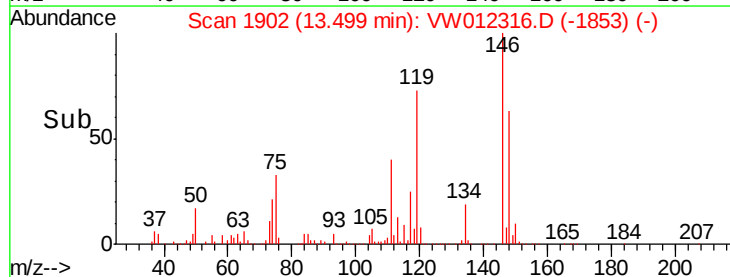
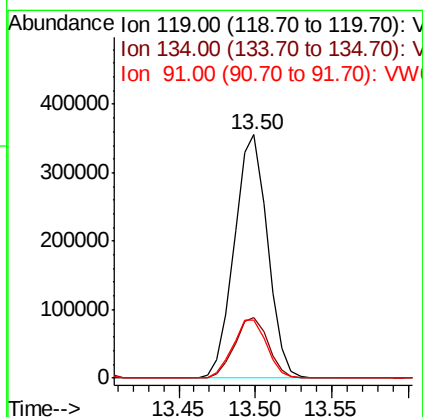
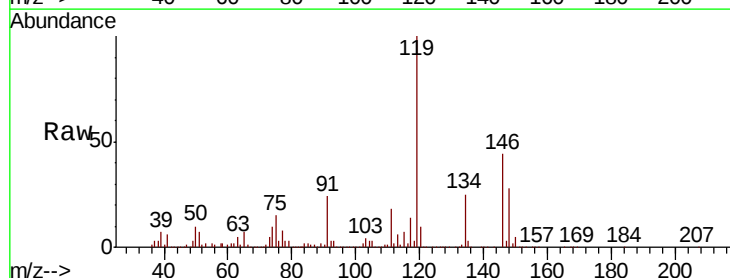
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:105 Resp: 583883
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 51.561 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012316.D
 Acq: 29 Aug 2019 20:46

Tgt Ion:119 Resp: 533921
 Ion Ratio Lower Upper
 119 100
 134 25.3 12.8 38.3
 91 24.4 12.3 36.9

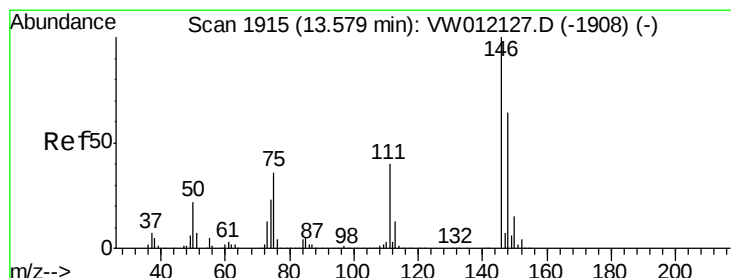
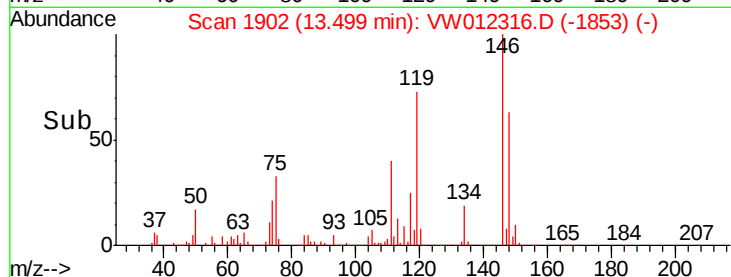
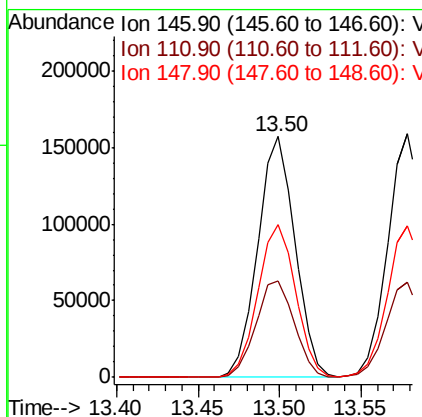
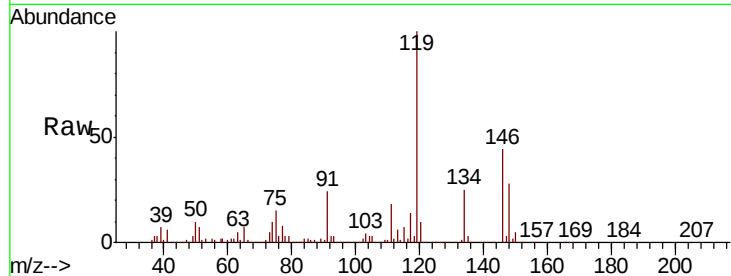




#87
 1,3-Dichlorobenzene
 Concen: 51.489 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012316.D
 Acq: 29 Aug 2019 20:46

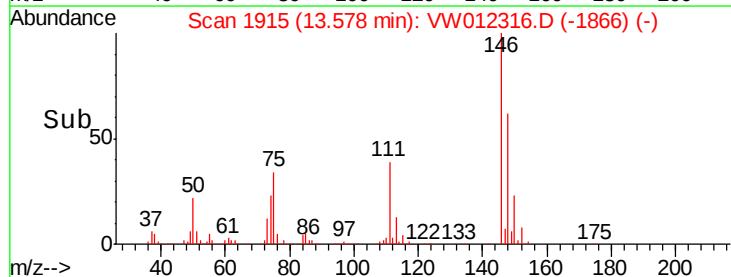
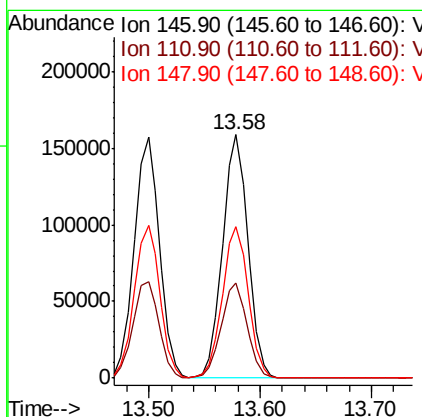
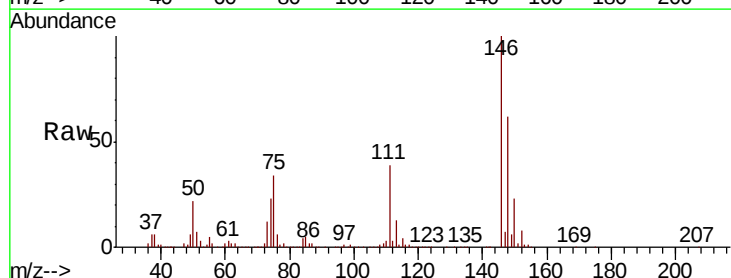
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

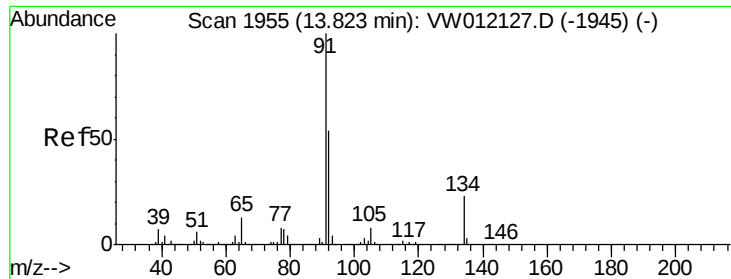
Tgt Ion:146 Resp: 249122
 Ion Ratio Lower Upper
 146 100
 111 41.3 20.9 62.7
 148 64.3 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 52.135 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012316.D
 Acq: 29 Aug 2019 20:46

Tgt Ion:146 Resp: 250466
 Ion Ratio Lower Upper
 146 100
 111 39.6 20.0 60.0
 148 63.1 32.1 96.3





#89

n-Butylbenzene

Concen: 50.670 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

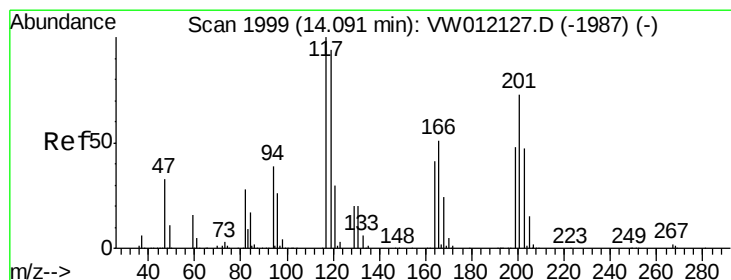
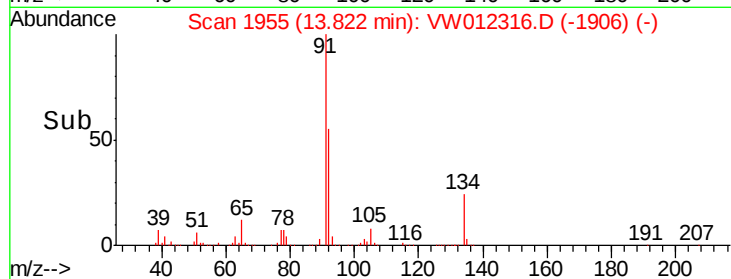
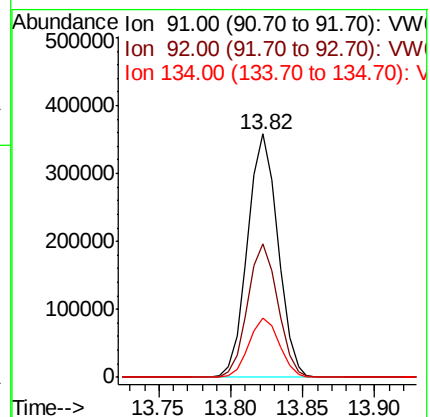
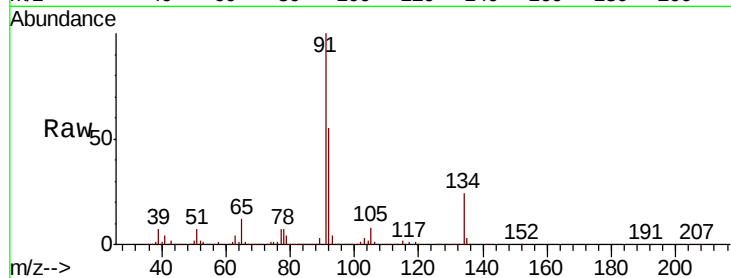
Tgt Ion: 91 Resp: 521778

Ion Ratio Lower Upper

91 100

92 54.5 27.1 81.2

134 24.6 12.2 36.4



#90

Hexachloroethane

Concen: 50.714 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW012316.D

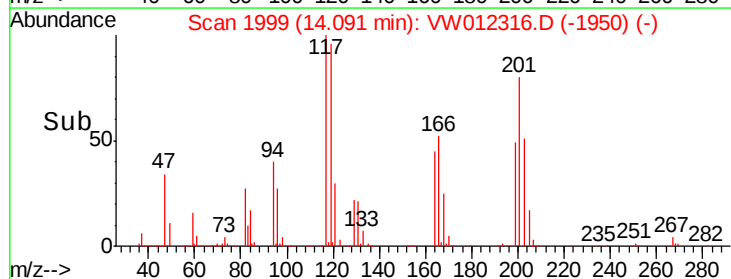
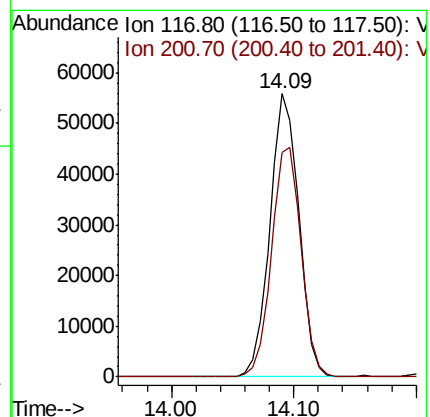
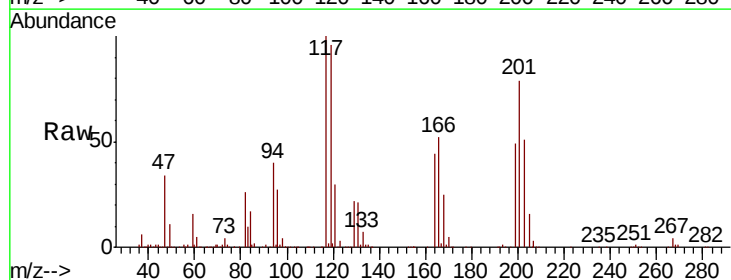
Acq: 29 Aug 2019 20:46

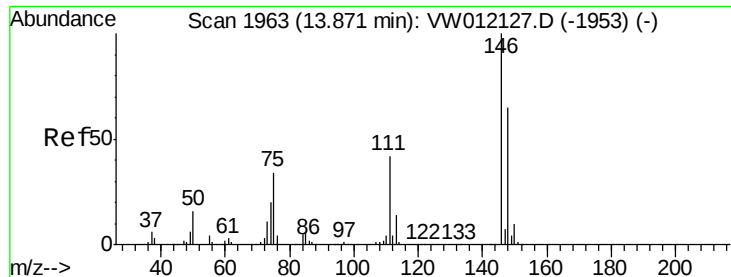
Tgt Ion: 117 Resp: 92136

Ion Ratio Lower Upper

117 100

201 82.4 38.6 115.7





#91

1,2-Dichlorobenzene

Concen: 52.672 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

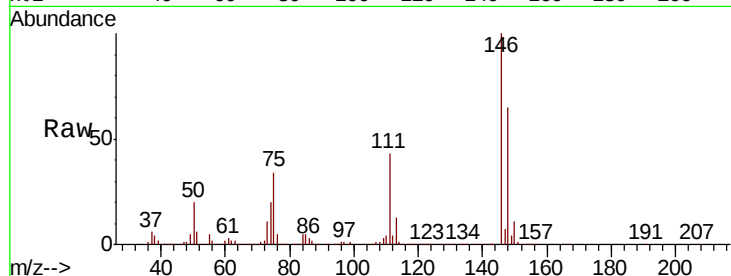
Tgt Ion:146 Resp: 223569

Ion Ratio Lower Upper

146 100

111 43.8 21.2 63.6

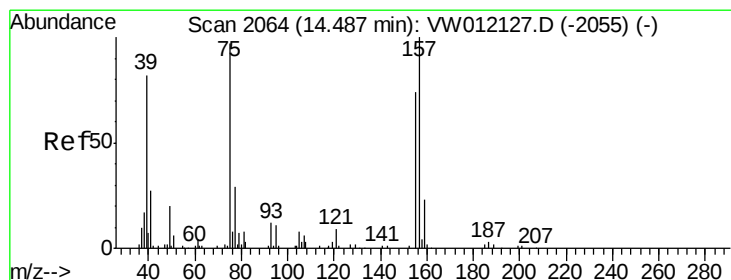
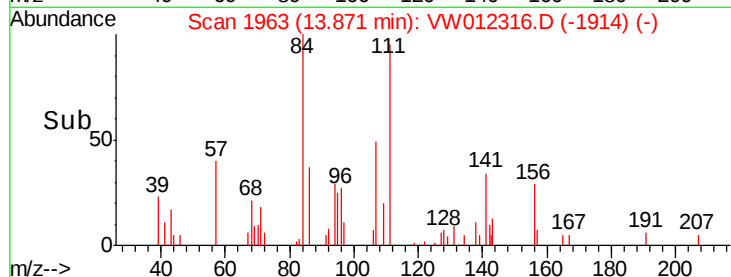
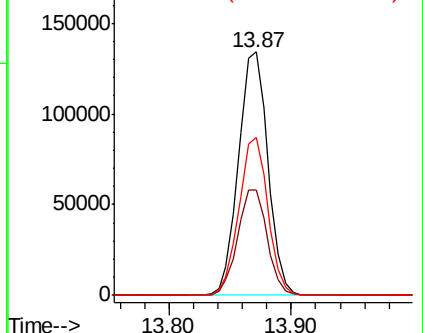
148 63.8 32.5 97.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 52.079 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW012316.D

Acq: 29 Aug 2019 20:46

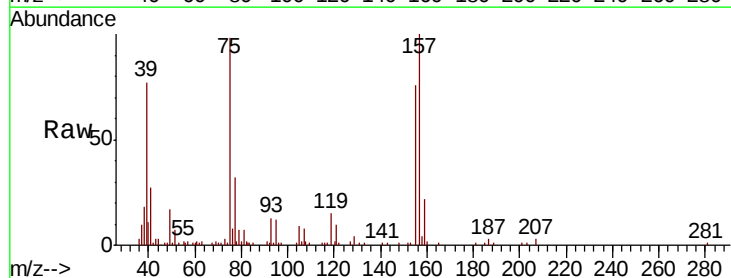
Tgt Ion: 75 Resp: 18404

Ion Ratio Lower Upper

75 100

155 77.0 37.5 112.3

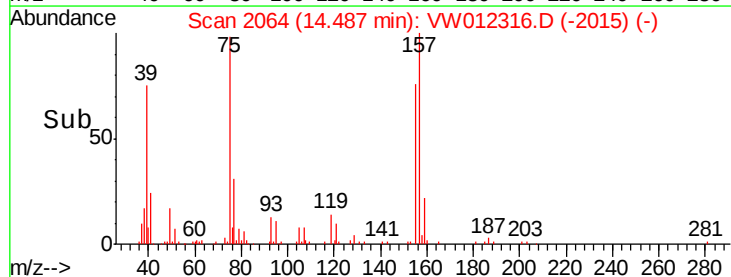
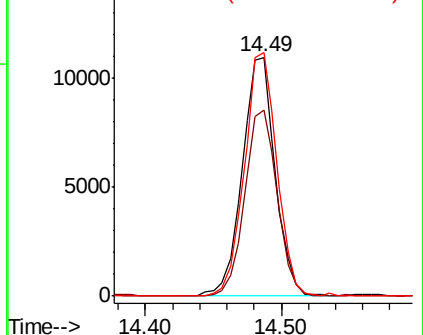
157 100.8 50.5 151.5

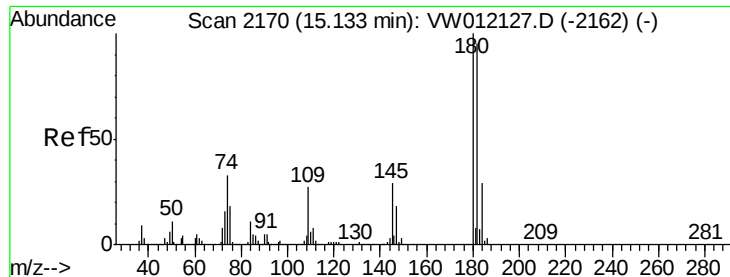


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

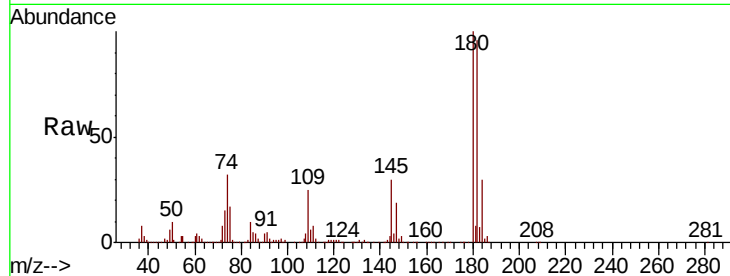




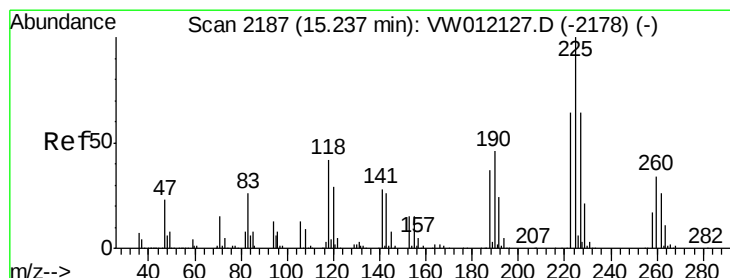
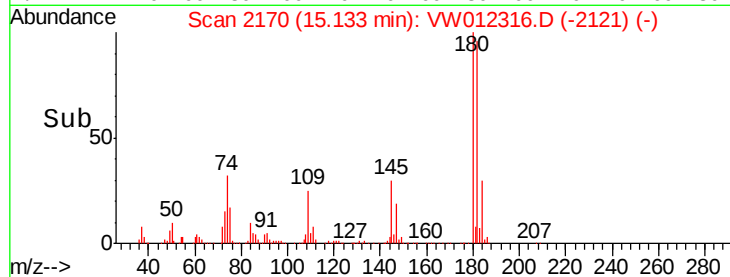
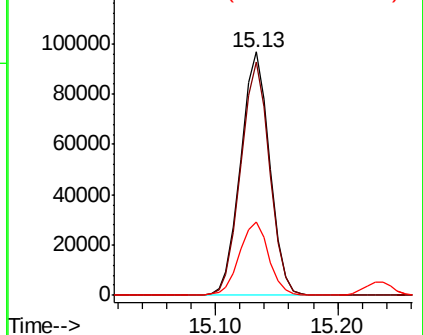
#93
 1,2,4-Trichlorobenzene
 Concen: 54.245 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012316.D
 Acq: 29 Aug 2019 20:46

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:180 Resp: 159112
 Ion Ratio Lower Upper
 180 100
 182 95.1 47.8 143.4
 145 30.3 15.0 45.1

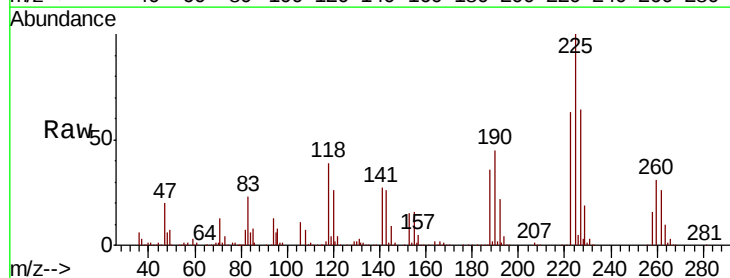


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

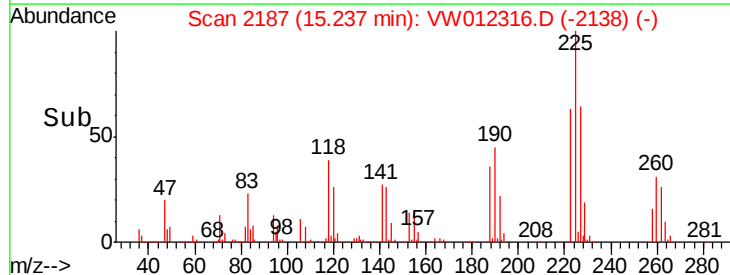
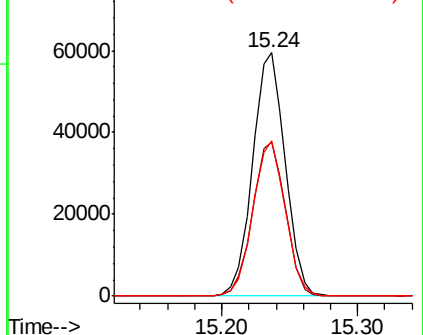


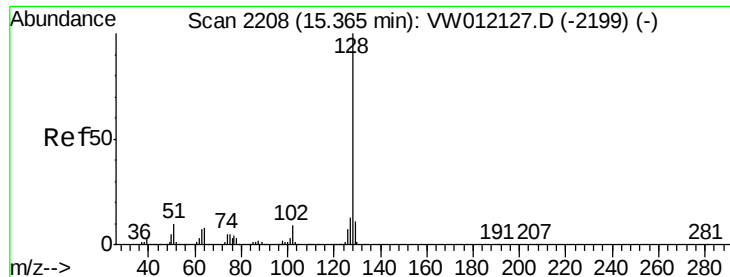
#94
 Hexachlorobutadiene
 Concen: 51.554 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012316.D
 Acq: 29 Aug 2019 20:46

Tgt Ion:225 Resp: 99850
 Ion Ratio Lower Upper
 225 100
 223 63.7 32.3 96.8
 227 63.1 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

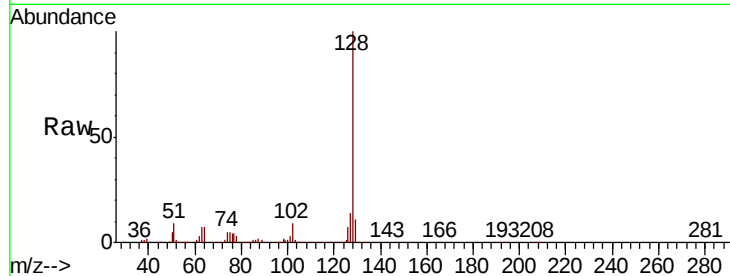




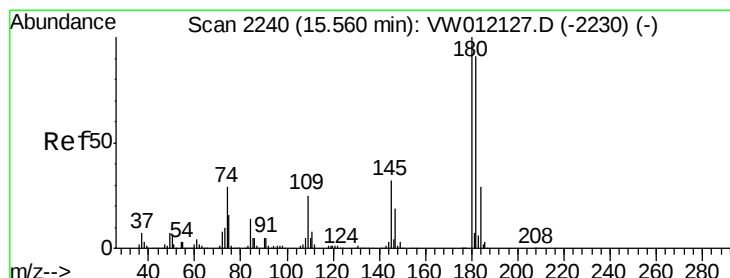
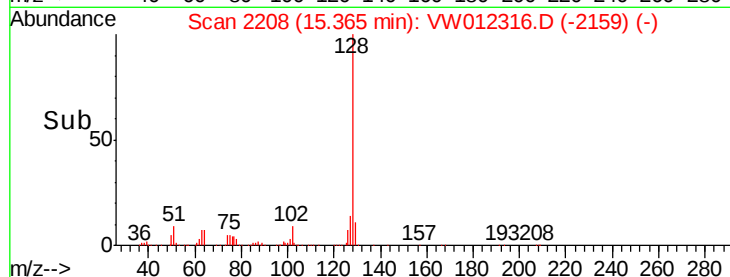
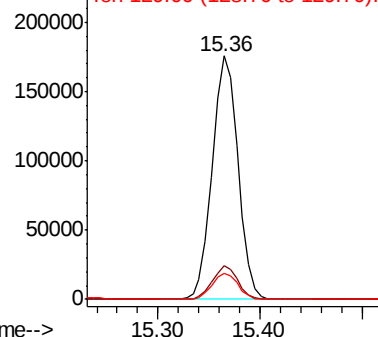
#95
Naphthalene
Concen: 53.129 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 307501
Ion Ratio Lower Upper
128 100
127 13.6 10.7 16.1
129 11.0 8.7 13.1

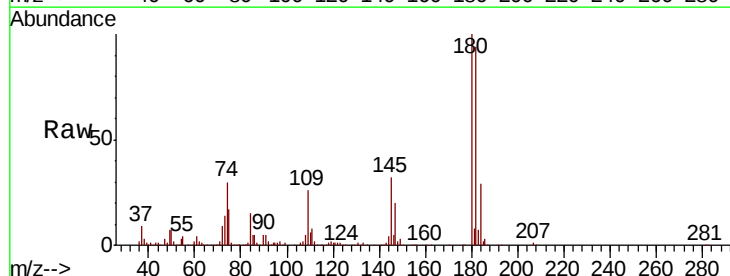


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 55.167 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012316.D
Acq: 29 Aug 2019 20:46

Tgt Ion:180 Resp: 141181
Ion Ratio Lower Upper
180 100
182 95.8 47.1 141.3
145 32.6 16.2 48.5



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

