

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\WV100219\
 Data File : VW013397.D
 Acq On : 02 Oct 2019 23:49
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Oct 03 07:06:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 11:49:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	334799	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	490827	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	440127	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	224856	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	147545	59.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.04%	
35) Dibromofluoromethane	7.88	113	147477	57.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.52%	
50) Toluene-d8	10.32	98	617979	57.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.64%	
62) 4-Bromofluorobenzene	12.62	95	215131	60.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.56%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.01	85	70977	54.811	ug/l 98
3) Chloromethane	2.21	50	107539	50.325	ug/l 100
4) Vinyl Chloride	2.36	62	150678	49.684	ug/l 97
5) Bromomethane	2.76	94	97024	52.073	ug/l 99
6) Chloroethane	2.92	64	85335	48.730	ug/l 96
7) Trichlorofluoromethane	3.25	101	57507	43.708	ug/l 100
8) Diethyl Ether	3.67	74	83048	54.534	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	144701	49.606	ug/l 99
10) Methyl Iodide	4.27	142	243794	51.752	ug/l 99
11) Tert butyl alcohol	5.15	59	58540	285.403	ug/l 100
12) 1,1-Dichloroethene	4.04	96	154765	50.216	ug/l 96
13) Acrolein	3.89	56	59309	235.303	ug/l 98
14) Allyl chloride	4.66	41	222500	48.802	ug/l 99
15) Acrylonitrile	5.35	53	190451	276.649	ug/l 99
16) Acetone	4.11	43	156164	203.802	ug/l 90
17) Carbon Disulfide	4.38	76	436933	50.819	ug/l 99
18) Methyl Acetate	4.66	43	96794	53.971	ug/l 98
19) Methyl tert-butyl Ether	5.42	73	252808	55.733	ug/l 96
20) Methylene Chloride	4.91	84	167228	52.362	ug/l 98
21) trans-1,2-Dichloroethene	5.41	96	167289	50.970	ug/l 100
22) Diisopropyl ether	6.31	45	479607	54.472	ug/l 97
23) Vinyl Acetate	6.25	43	1441025	272.754	ug/l 98
24) 1,1-Dichloroethane	6.21	63	281396	52.471	ug/l 99
25) 2-Butanone	7.17	43	249782	254.755	ug/l 96
26) 2,2-Dichloropropane	7.16	77	146418	47.092	ug/l 98
27) cis-1,2-Dichloroethene	7.17	96	183692	53.469	ug/l 96
28) Bromochloromethane	7.51	49	117829	60.768	ug/l 95
29) Tetrahydrofuran	7.52	42	165809	289.167	ug/l 99
30) Chloroform	7.67	83	273790	52.065	ug/l 98
31) Cyclohexane	7.95	56	272870	47.711	ug/l 99
32) 1,1,1-Trichloroethane	7.87	97	213126	51.733	ug/l 99
36) 1,1-Dichloropropene	8.08	75	225780	49.526	ug/l 99
37) Ethyl Acetate	7.24	43	110083	54.698	ug/l 98
38) Carbon Tetrachloride	8.06	117	198994	50.390	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	297353	49.527	ug/l	97
40) Benzene	8.32	78	662704	51.352	ug/l	99
41) Methacrylonitrile	7.48	41	62579	51.585	ug/l	97
42) 1,2-Dichloroethane	8.40	62	175671	52.964	ug/l	98
43) Isopropyl Acetate	8.42	43	207386	54.766	ug/l	98
44) Trichloroethene	9.09	130	187322	51.546	ug/l	96
45) 1,2-Dichloropropane	9.37	63	162893	52.572	ug/l	98
46) Dibromomethane	9.46	93	83247	53.940	ug/l	98
47) Bromodichloromethane	9.64	83	202865	53.396	ug/l	97
48) Methyl methacrylate	9.43	41	98803	54.302	ug/l	98
49) 1,4-Dioxane	9.45	88	29760	1255.752	ug/l #	89
51) 4-Methyl-2-Pentanone	10.21	43	543694	273.273	ug/l	98
52) Toluene	10.38	92	429704	51.624	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	211622	53.550	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	252307	52.658	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	124090	53.898	ug/l	99
56) Ethyl methacrylate	10.64	69	174088	56.178	ug/l	98
57) 1,3-Dichloropropane	10.93	76	216244	54.028	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	381165	299.435	ug/l	99
59) 2-Hexanone	10.97	43	371768	269.587	ug/l	99
60) Dibromochloromethane	11.13	129	145940	55.409	ug/l	99
61) 1,2-Dibromoethane	11.23	107	121030	54.402	ug/l	99
64) Tetrachloroethene	10.86	164	173686	51.871	ug/l	98
65) Chlorobenzene	11.66	112	454290	50.382	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	160670	52.317	ug/l	100
67) Ethyl Benzene	11.73	91	816697	50.537	ug/l	100
68) m/p-Xylenes	11.84	106	633658	101.584	ug/l	99
69) o-Xylene	12.16	106	293592	50.906	ug/l	99
70) Styrene	12.18	104	517766	52.518	ug/l	99
71) Bromoform	12.35	173	89752	53.903	ug/l #	99
73) Isopropylbenzene	12.46	105	809456	49.214	ug/l	100
74) N-amyl acetate	12.27	43	193616	55.313	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	144795	52.012	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	180236	90.188	ug/l #	100
77) Bromobenzene	12.74	156	196168	49.670	ug/l	99
78) n-propylbenzene	12.80	91	937488	49.551	ug/l	99
79) 2-Chlorotoluene	12.89	91	531802	50.607	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	683153	50.000	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	45845	48.885	ug/l	95
82) 4-Chlorotoluene	12.99	91	559114	50.792	ug/l	100
83) tert-Butylbenzene	13.21	119	603569	50.575	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	682833	50.273	ug/l	100
85) sec-Butylbenzene	13.38	105	827032	50.263	ug/l	100
86) p-Isopropyltoluene	13.49	119	771465	50.592	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	376631	50.689	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	370293	49.773	ug/l	100
89) n-Butylbenzene	13.82	91	696192	50.641	ug/l	100
90) Hexachloroethane	14.09	117	128766	51.112	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	334902	50.987	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	23237	55.804	ug/l	93

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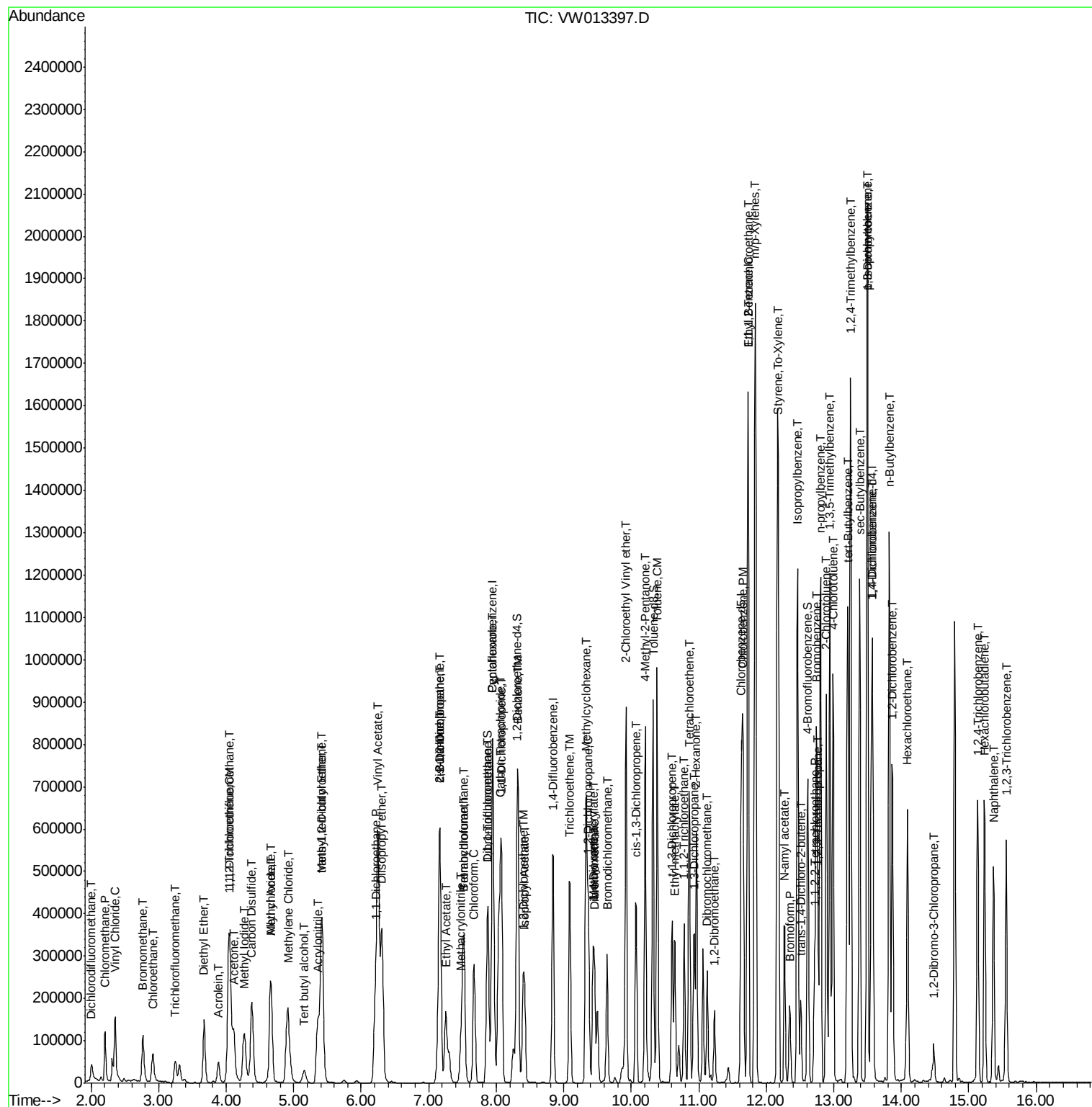
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	243593	51.676	ug/l	98
94) Hexachlorobutadiene	15.23	225	148338	48.443	ug/l	97
95) Naphthalene	15.36	128	444520	55.902	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	216031	52.490	ug/l	98

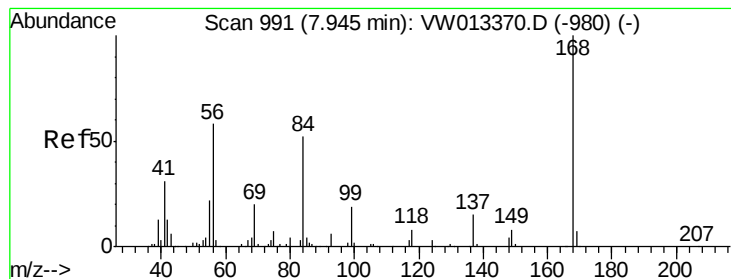
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW100219\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013397.D

Acq: 02 Oct 2019 23:49

Instrument :

MSVOA_W

ClientSampleId :

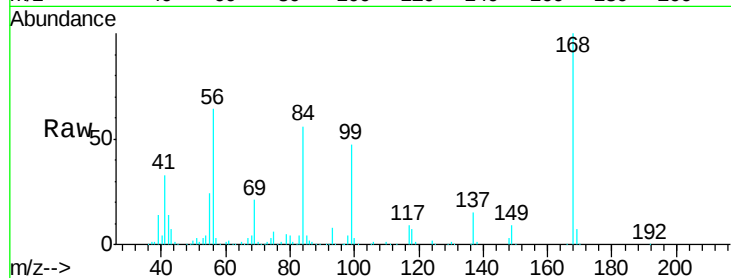
VSTDCCC050EC

Tgt Ion:168 Resp: 334799

Ion Ratio Lower Upper

168 100

99 46.7 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

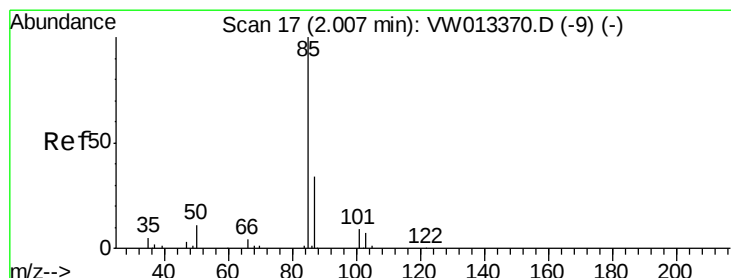
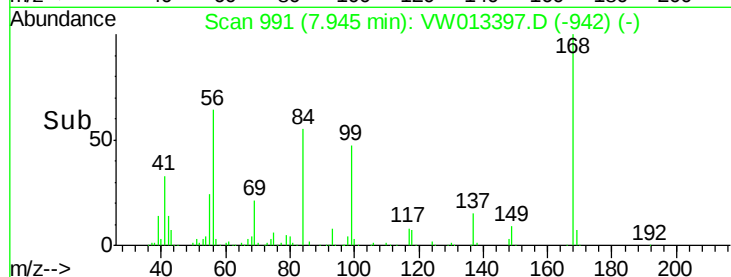
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 54.811 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013397.D

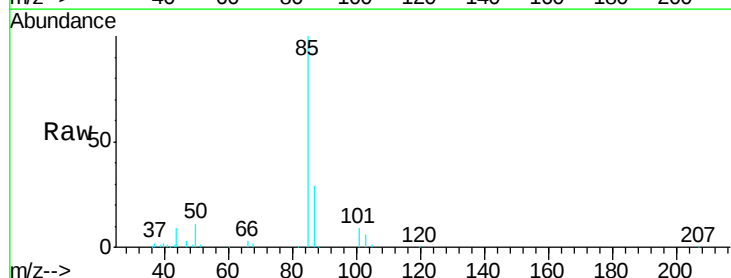
Acq: 02 Oct 2019 23:49

Tgt Ion: 85 Resp: 70977

Ion Ratio Lower Upper

85 100

87 29.2 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

25000

20000

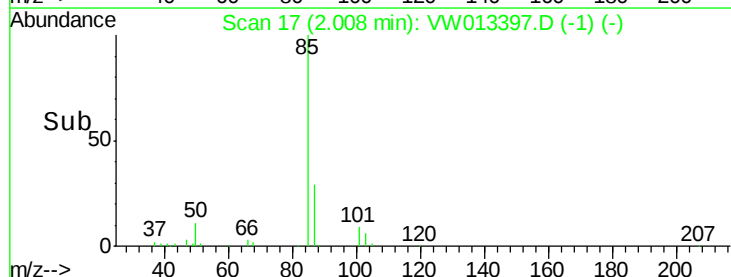
15000

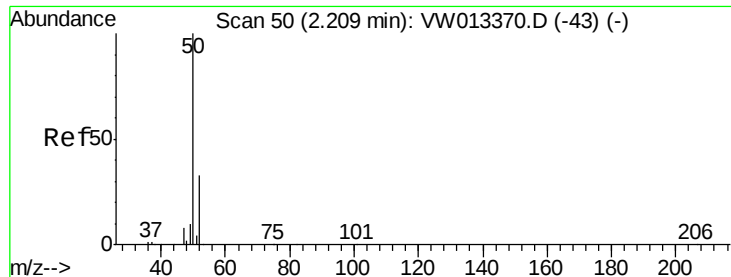
10000

5000

0

Time--> 2.00 2.20





#3

Chloromethane

Concen: 50.325 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013397.D

Acq: 02 Oct 2019 23:49

Instrument :

MSVOA_W

ClientSampleId :

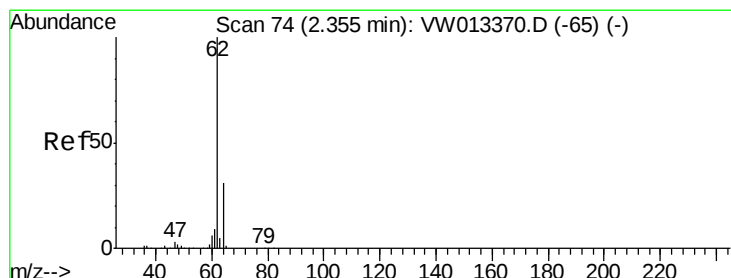
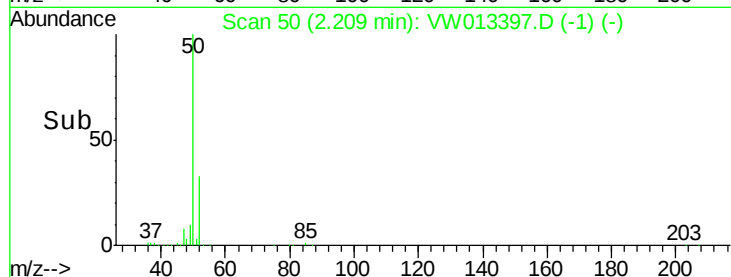
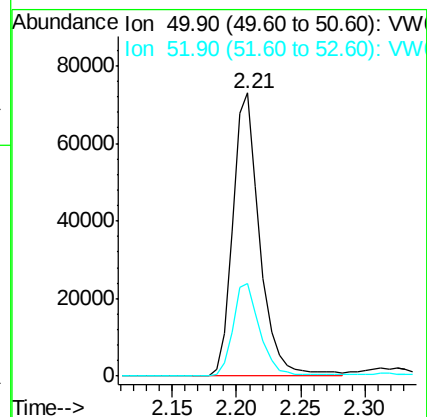
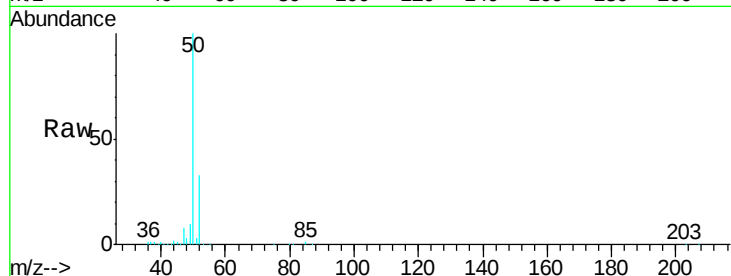
VSTDCCC050EC

Tgt Ion: 50 Resp: 107539

Ion Ratio Lower Upper

50 100

52 32.7 26.1 39.1



#4

Vinyl Chloride

Concen: 49.684 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW013397.D

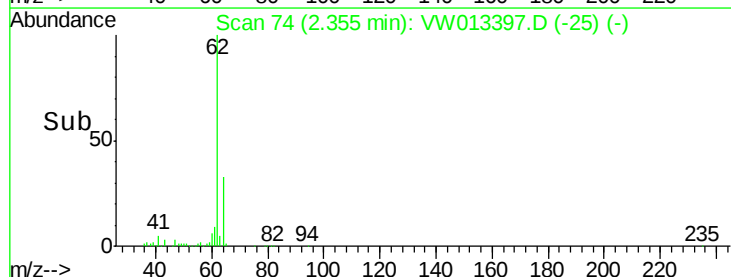
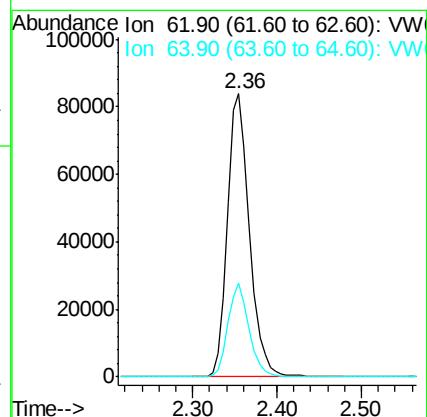
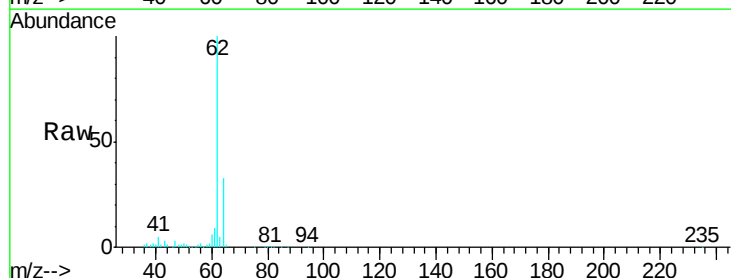
Acq: 02 Oct 2019 23:49

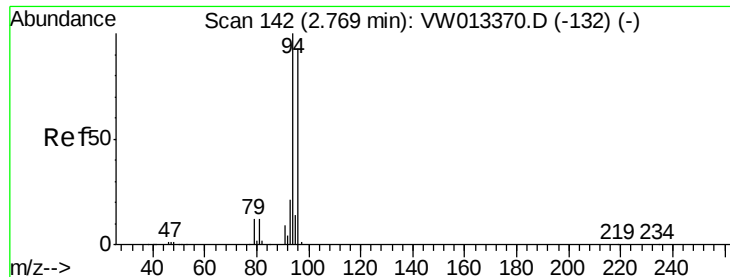
Tgt Ion: 62 Resp: 150678

Ion Ratio Lower Upper

62 100

64 33.1 25.3 37.9





#5

Bromomethane

Concen: 52.073 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW013397.D

Acq: 02 Oct 2019 23:49

Instrument :

MSVOA_W

ClientSampleId :

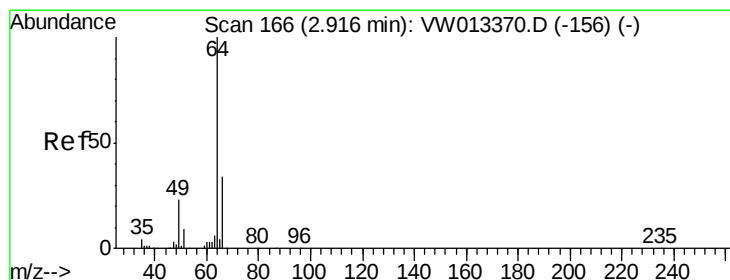
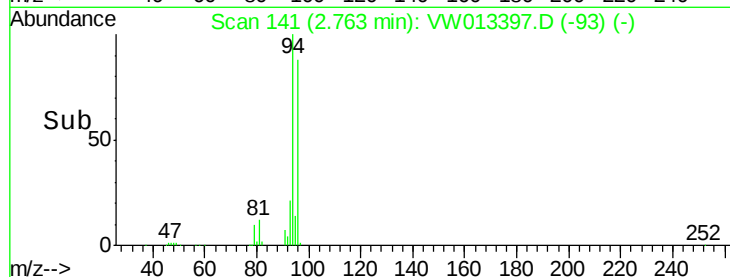
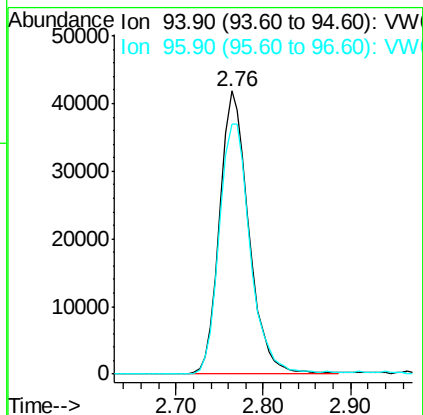
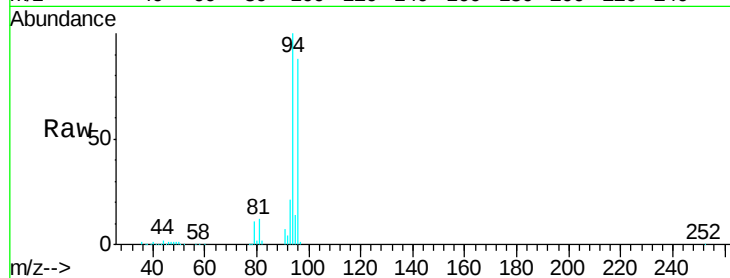
VSTDCCC050EC

Tgt Ion: 94 Resp: 97024

Ion Ratio Lower Upper

94 100

96 88.2 69.7 104.5



#6

Chloroethane

Concen: 48.730 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW013397.D

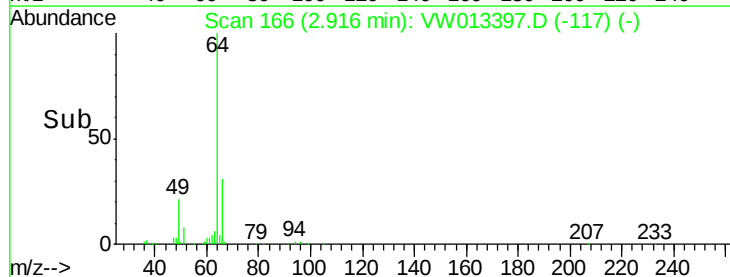
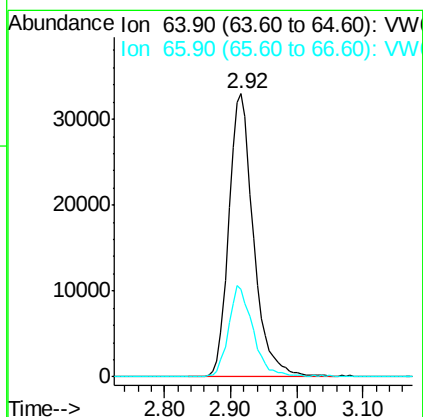
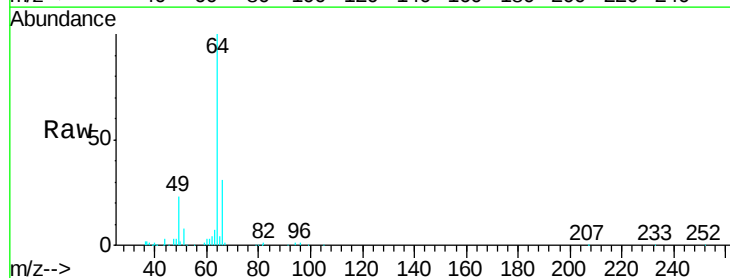
Acq: 02 Oct 2019 23:49

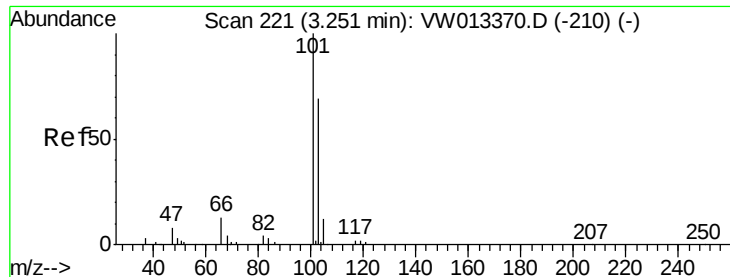
Tgt Ion: 64 Resp: 85335

Ion Ratio Lower Upper

64 100

66 30.8 26.6 39.8



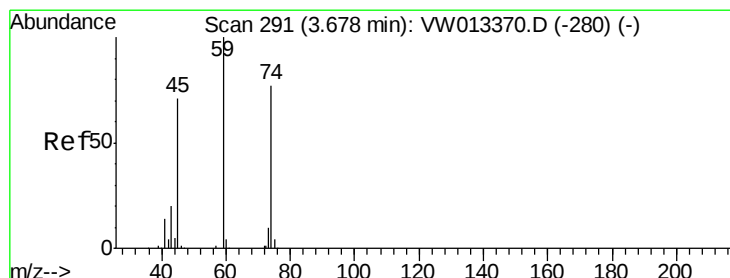
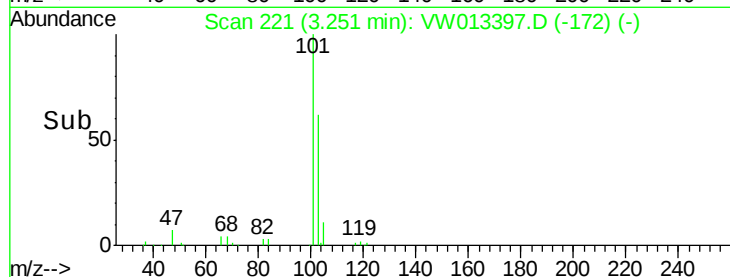
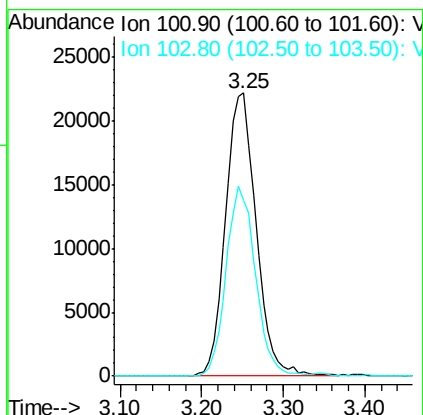
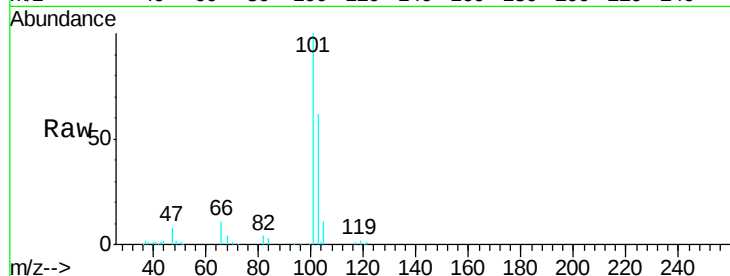


#7

Trichlorofluoromethane
Concen: 43.708 ug/l
RT: 3.25 min Scan# 221
Delta R.T. 0.00 min
Lab File: VW013397.D
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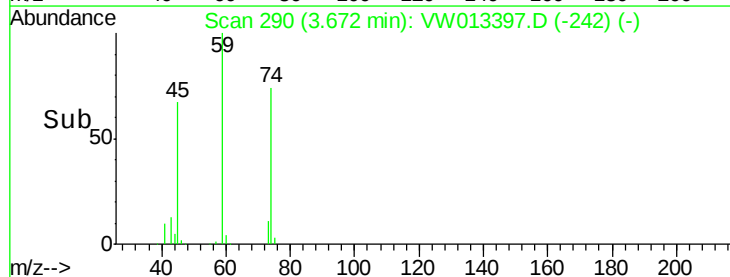
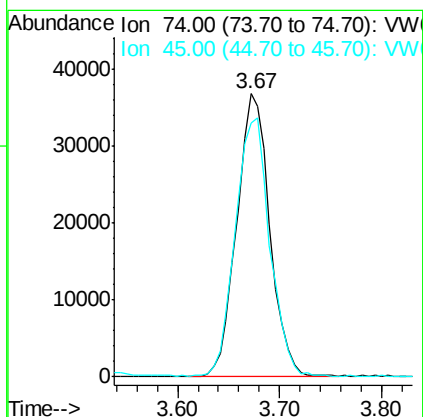
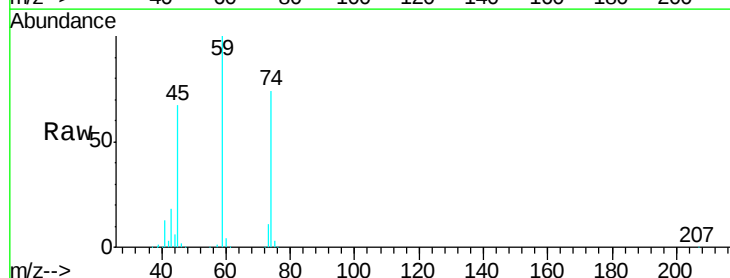
Tgt Ion:101 Resp: 57507
Ion Ratio Lower Upper
101 100
103 62.3 49.7 74.5

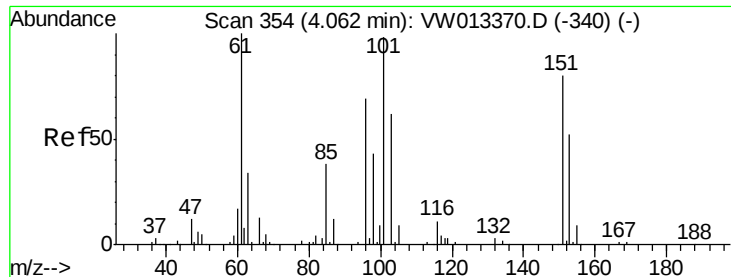


#8

Diethyl Ether
Concen: 54.534 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW013397.D
Acq: 02 Oct 2019 23:49

Tgt Ion: 74 Resp: 83048
Ion Ratio Lower Upper
74 100
45 95.2 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.606 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013397.D

Acq: 02 Oct 2019 23:49

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VSTDCCC050EC

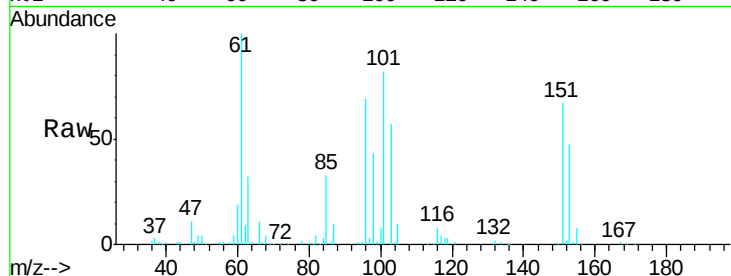
Tgt Ion:101 Resp: 144701

Ion Ratio Lower Upper

101 100

85 40.8 33.4 50.0

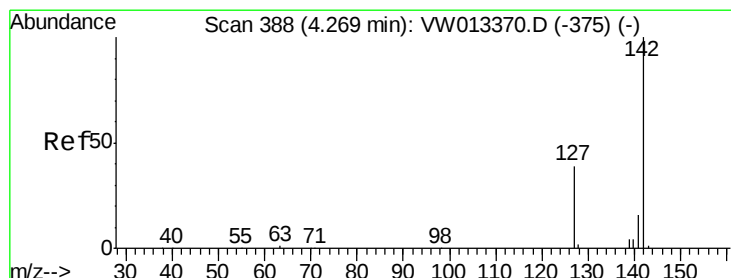
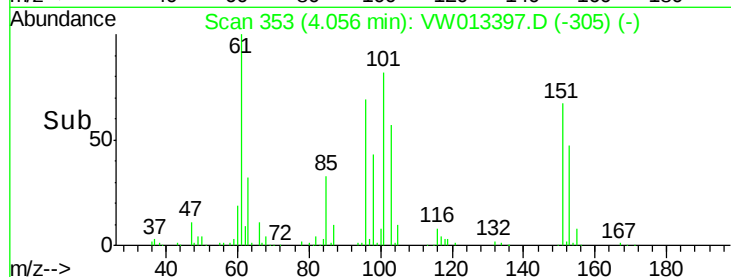
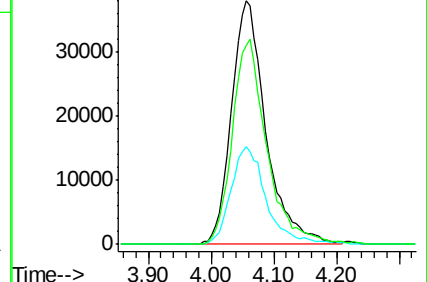
151 84.2 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.752 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW013397.D

Acq: 02 Oct 2019 23:49

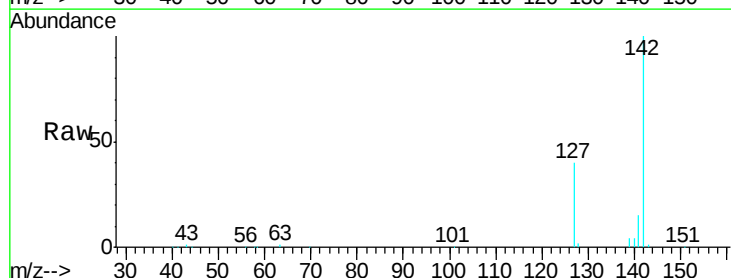
Tgt Ion:142 Resp: 243794

Ion Ratio Lower Upper

142 100

127 37.8 30.9 46.3

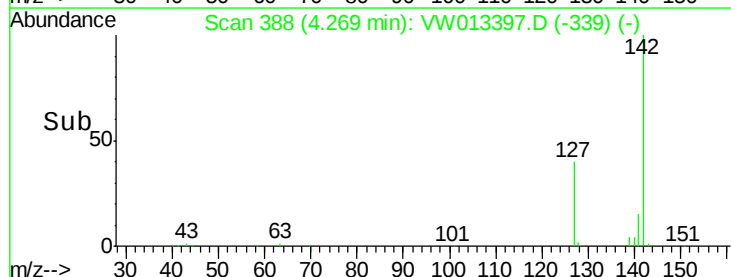
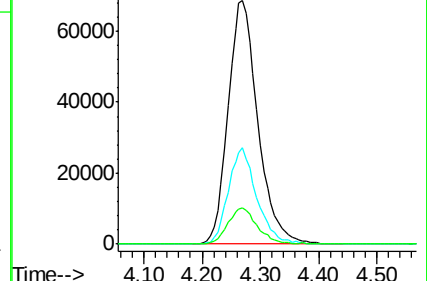
141 14.5 11.7 17.5

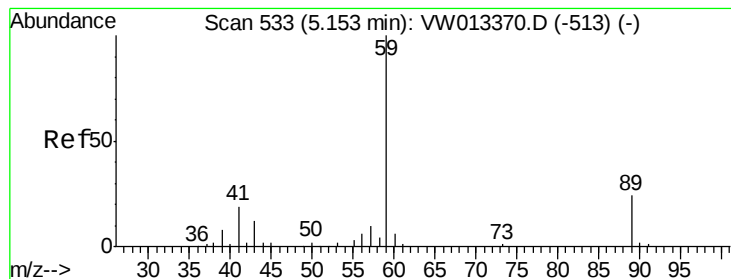


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



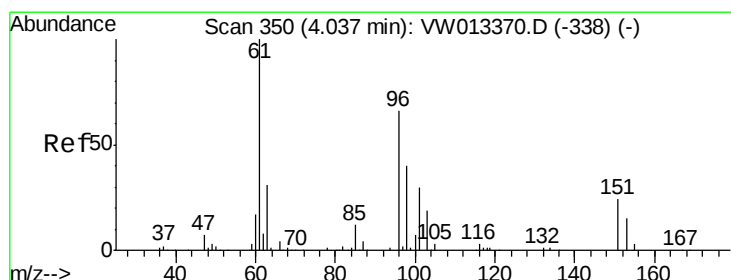
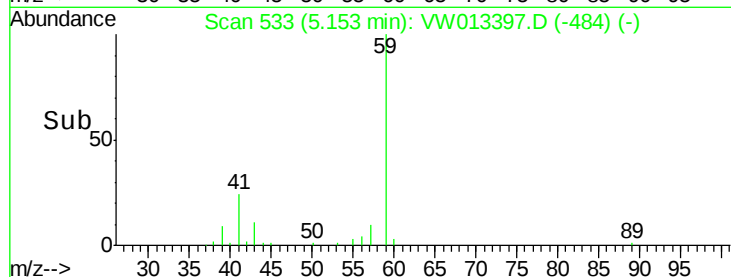
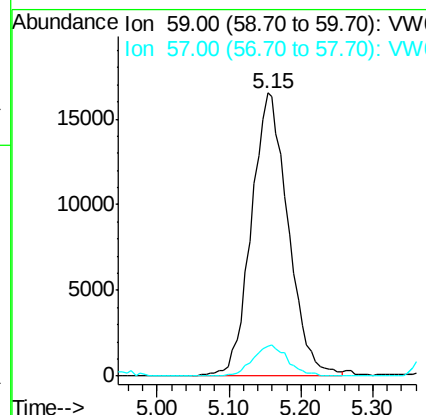
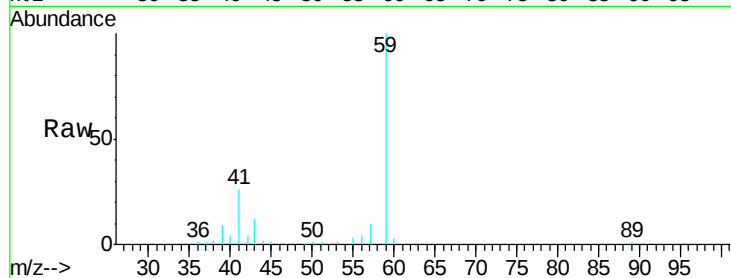


#11

Tert butyl alcohol
 Concen: 285.403 ug/l
 RT: 5.15 min Scan# 533
 Delta R.T. 0.00 min
 Lab File: VW013397.D
 Acq: 02 Oct 2019 23:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

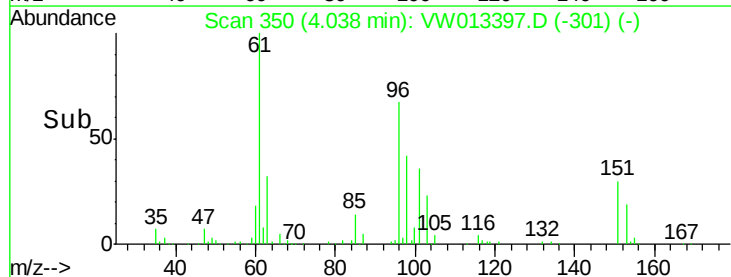
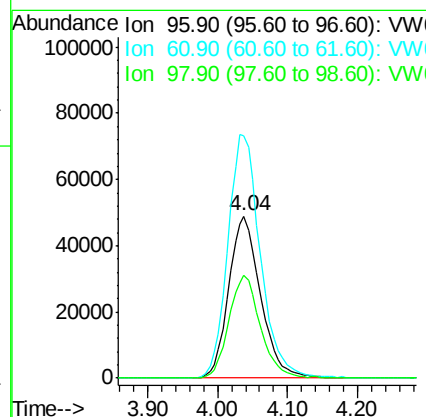
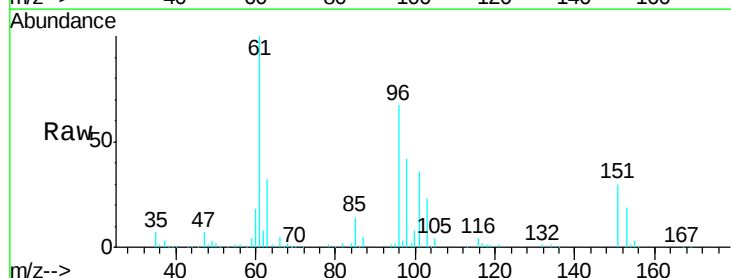
Tgt Ion: 59 Resp: 58540
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.2 12.2

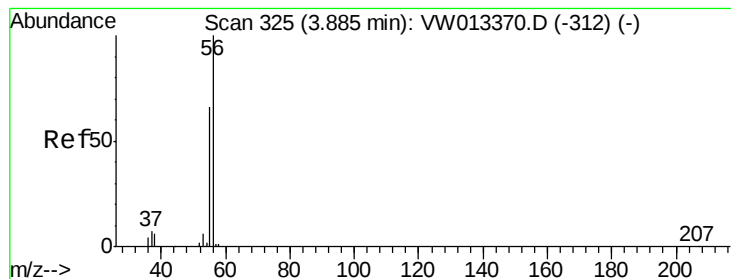


#12

1,1-Dichloroethene
 Concen: 50.216 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW013397.D
 Acq: 02 Oct 2019 23:49

Tgt Ion: 96 Resp: 154765
 Ion Ratio Lower Upper
 96 100
 61 149.3 125.1 187.7
 98 63.3 50.8 76.2





#13

Acrolein

Concen: 235.303 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW013397.D

Acq: 02 Oct 2019 23:49

Instrument :

MSVOA_W

ClientSampleId :

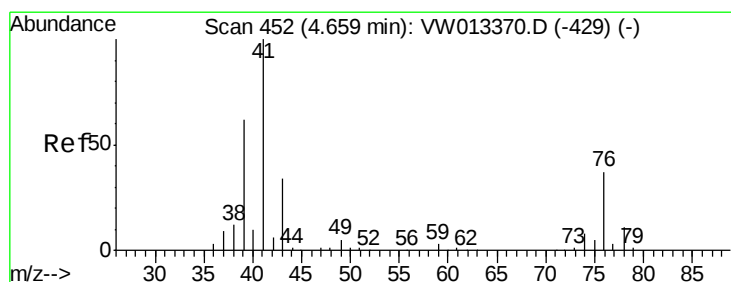
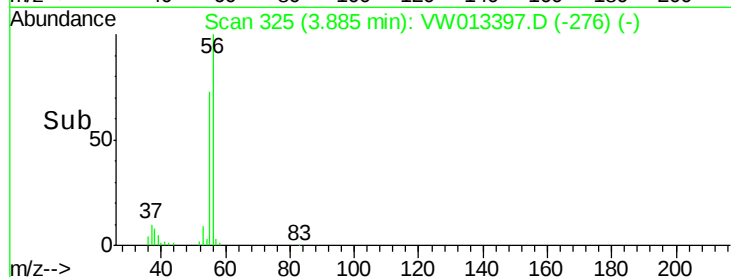
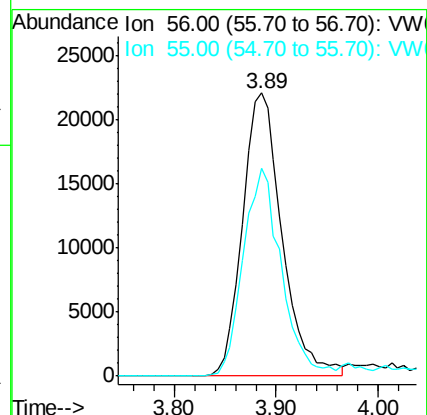
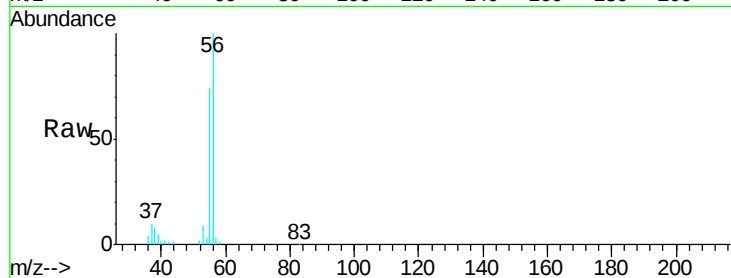
VSTDCCC050EC

Tgt Ion: 56 Resp: 59309

Ion Ratio Lower Upper

56 100

55 70.8 55.4 83.0



#14

Allyl chloride

Concen: 48.802 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW013397.D

Acq: 02 Oct 2019 23:49

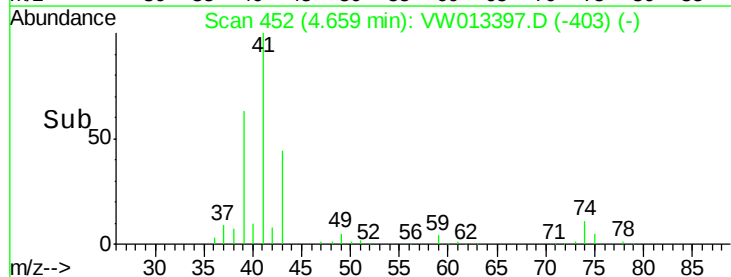
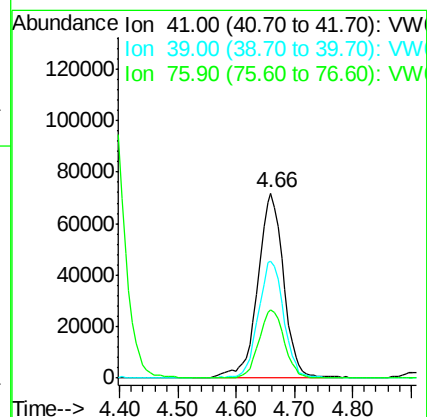
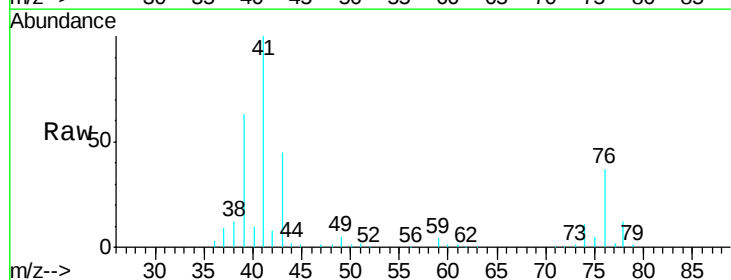
Tgt Ion: 41 Resp: 222500

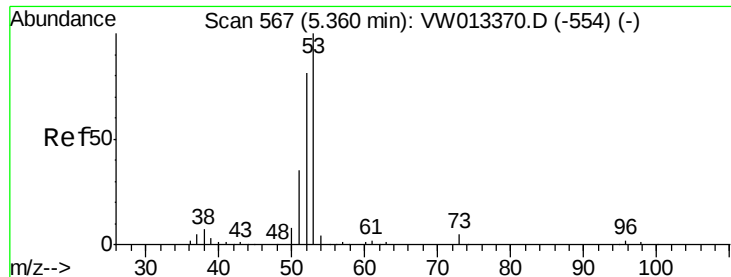
Ion Ratio Lower Upper

41 100

39 62.2 51.0 76.4

76 35.8 28.4 42.6





#15

Acrylonitrile

Concen: 276.649 ug/l

RT: 5.35 min Scan# 566

Delta R.T. -0.01 min

Lab File: VW013397.D

Acq: 02 Oct 2019 23:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

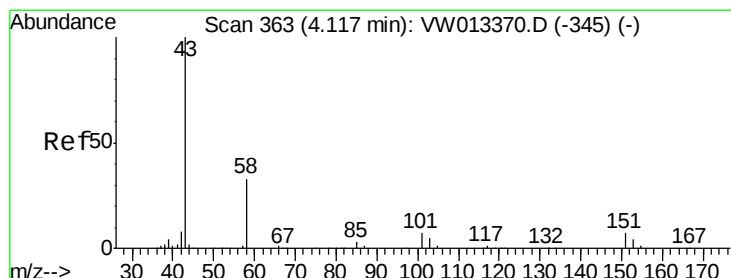
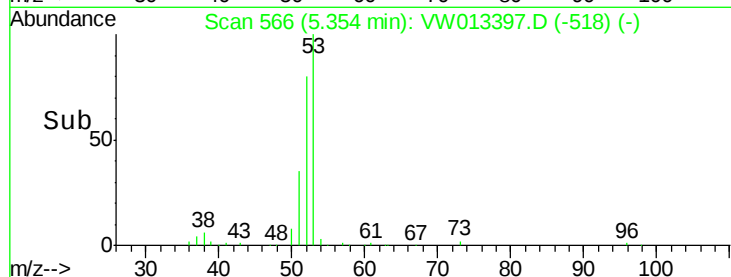
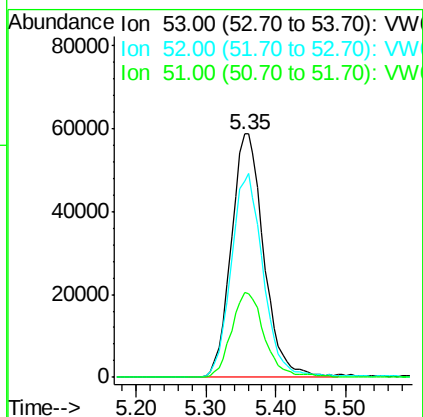
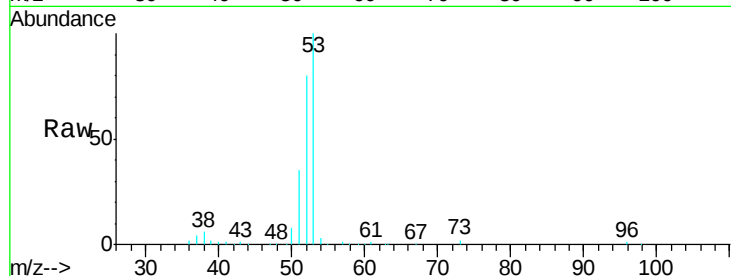
Tgt Ion: 53 Resp: 190451

Ion Ratio Lower Upper

53 100

52 82.0 65.3 97.9

51 35.4 29.0 43.4



#16

Acetone

Concen: 203.802 ug/l

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

Lab File: VW013397.D

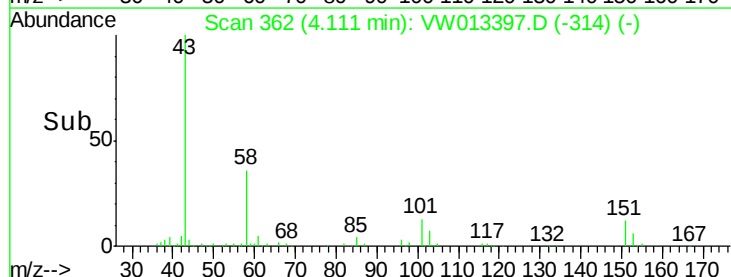
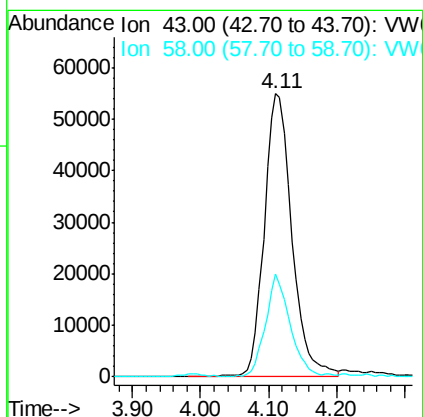
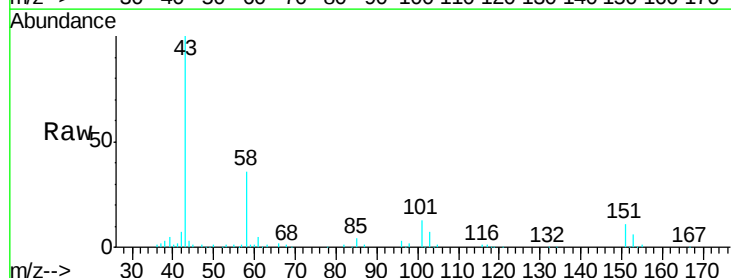
Acq: 02 Oct 2019 23:49

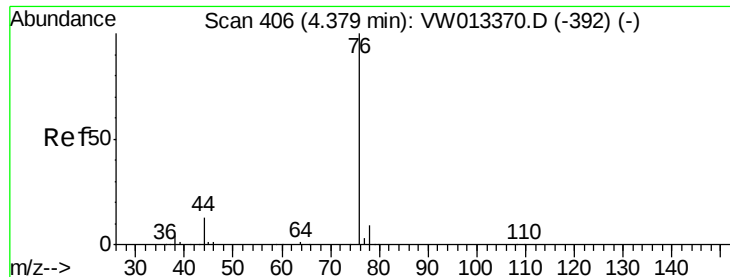
Tgt Ion: 43 Resp: 156164

Ion Ratio Lower Upper

43 100

58 35.5 24.1 36.1

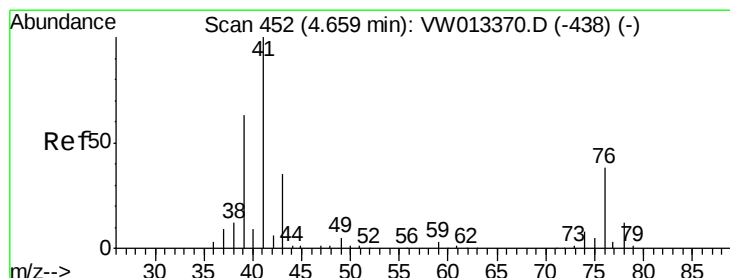
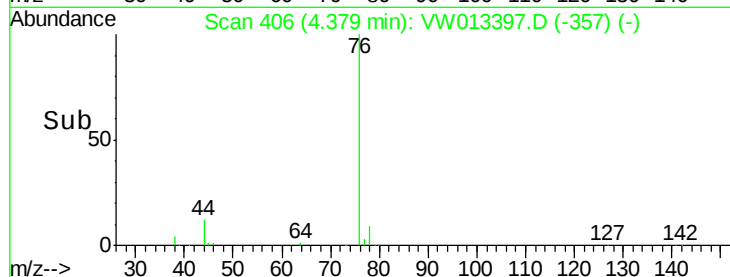
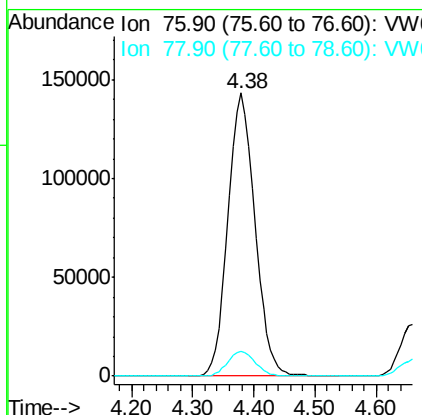
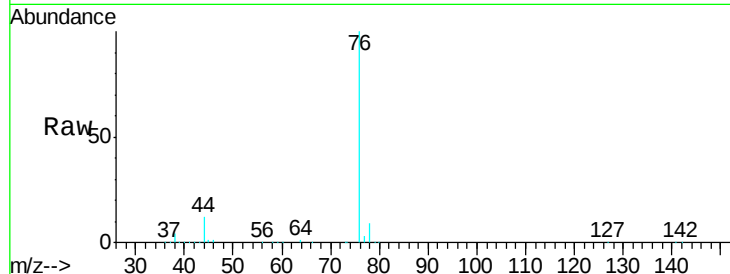




#17
Carbon Disulfide
Concen: 50.819 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW013397.D
Acq: 02 Oct 2019 23:49

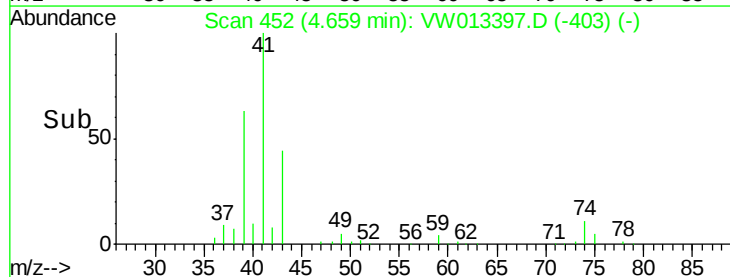
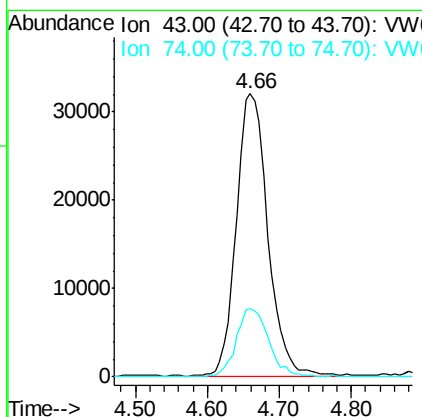
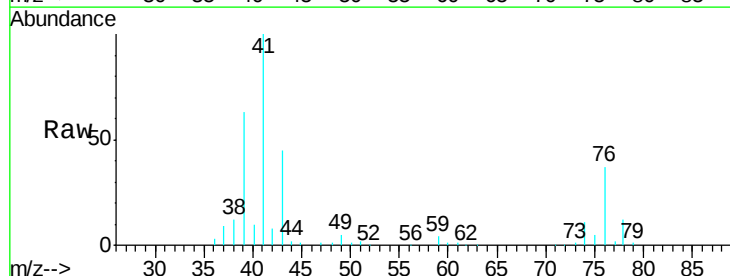
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

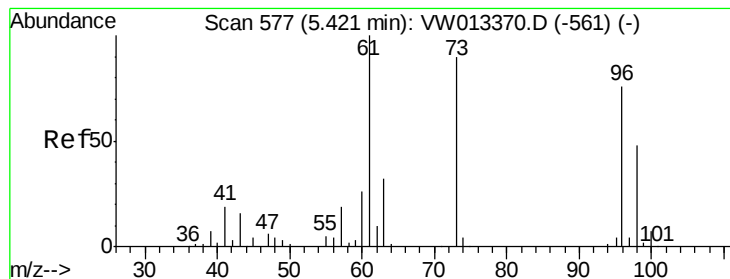
Tgt Ion: 76 Resp: 436933
Ion Ratio Lower Upper
76 100
78 8.9 7.0 10.4



#18
Methyl Acetate
Concen: 53.971 ug/l
RT: 4.66 min Scan# 452
Delta R.T. 0.00 min
Lab File: VW013397.D
Acq: 02 Oct 2019 23:49

Tgt Ion: 43 Resp: 96794
Ion Ratio Lower Upper
43 100
74 25.0 19.3 28.9





#19

Methyl tert-butyl Ether

Concen: 55.733 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW013397.D

Acq: 02 Oct 2019 23:49

Instrument :

MSVOA_W

ClientSampleId :

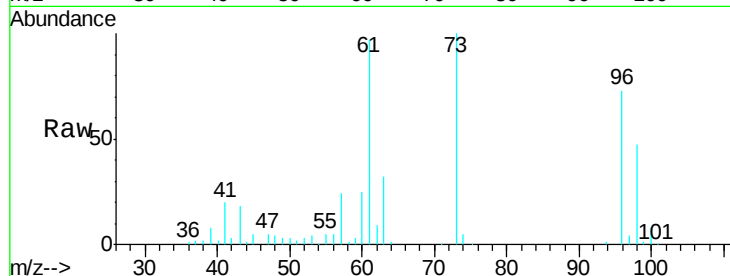
VSTDCCC050EC

Tgt Ion: 73 Resp: 252808

Ion Ratio Lower Upper

73 100

57 23.8 17.6 26.4



Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.42

80000

60000

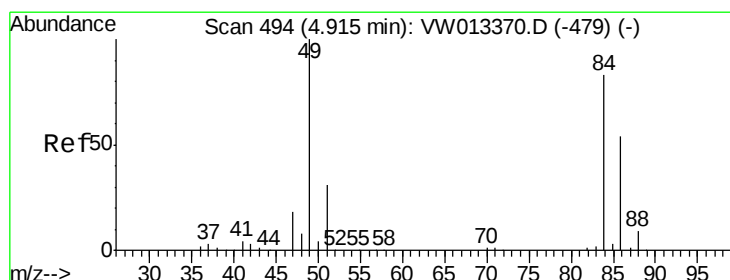
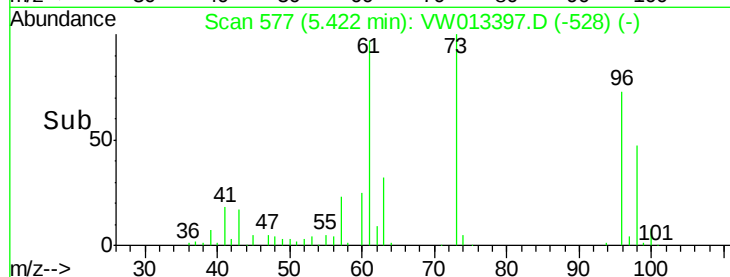
40000

20000

0

Time-->

5.30 5.40 5.50 5.60



#20

Methylene Chloride

Concen: 52.362 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW013397.D

Acq: 02 Oct 2019 23:49

Tgt Ion: 84 Resp: 167228

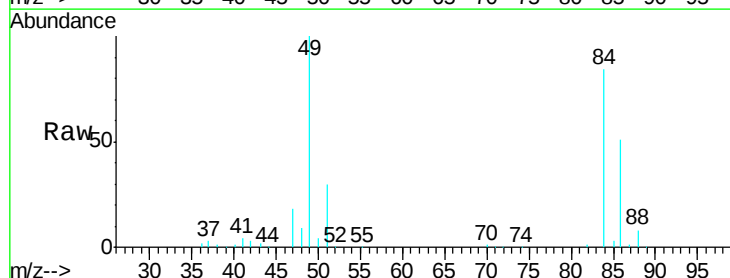
Ion Ratio Lower Upper

84 100

49 119.3 97.6 146.4

51 36.2 30.2 45.2

86 61.4 50.6 76.0



Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

80000

60000

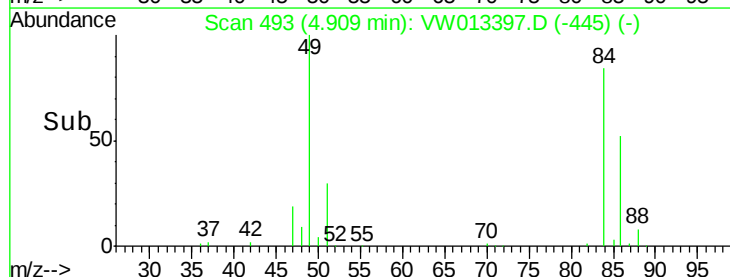
40000

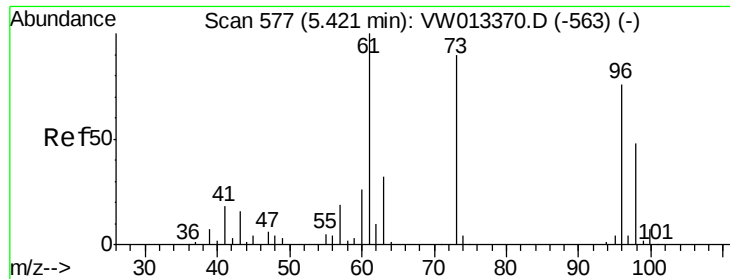
20000

0

Time-->

4.80 4.90 5.00 5.10





#21

trans-1,2-Dichloroethene

Concen: 50.970 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW013397.D

Acq: 02 Oct 2019 23:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

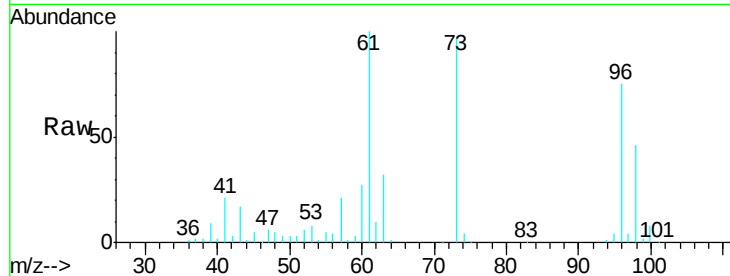
Tgt Ion: 96 Resp: 167289

Ion Ratio Lower Upper

96 100

61 133.4 106.6 159.8

98 61.8 49.8 74.8

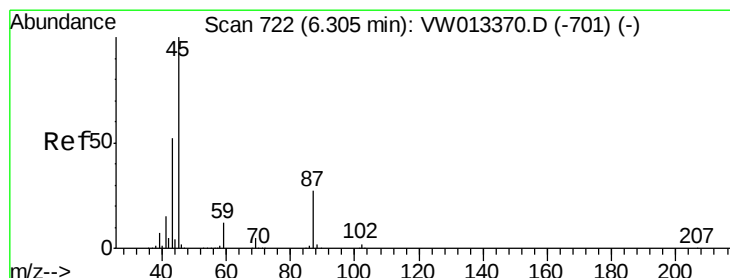
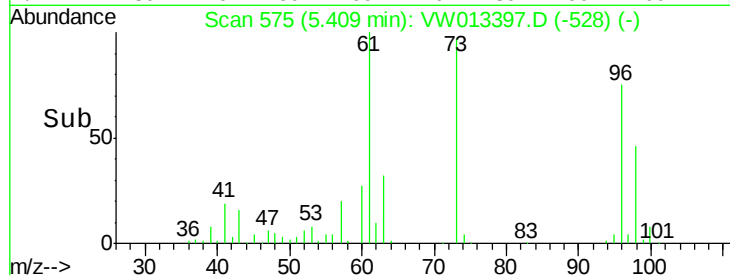
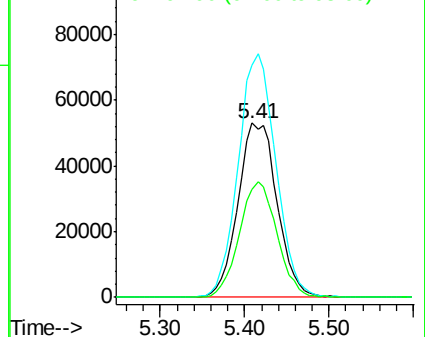


Abundance

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: 54.472 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW013397.D

Acq: 02 Oct 2019 23:49

Tgt Ion: 45 Resp: 479607

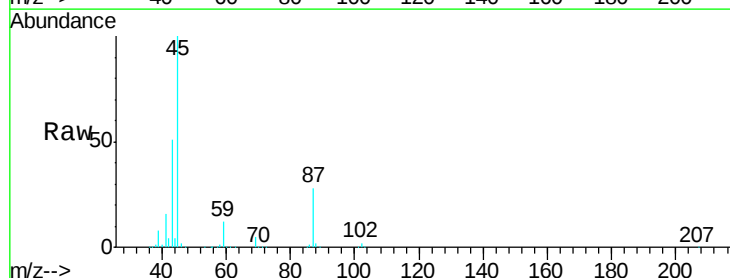
Ion Ratio Lower Upper

45 100

43 51.4 42.4 63.6

87 27.9 20.4 30.6

59 11.5 8.8 13.2



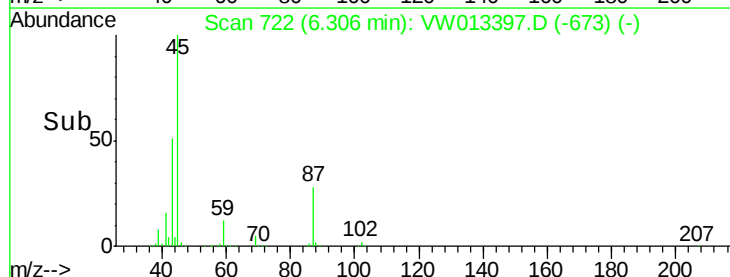
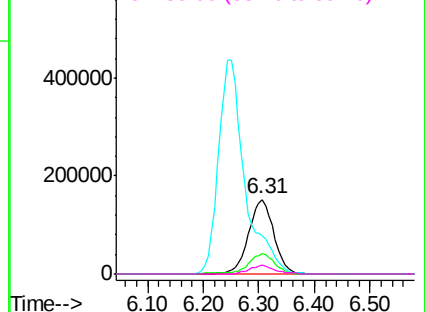
Abundance

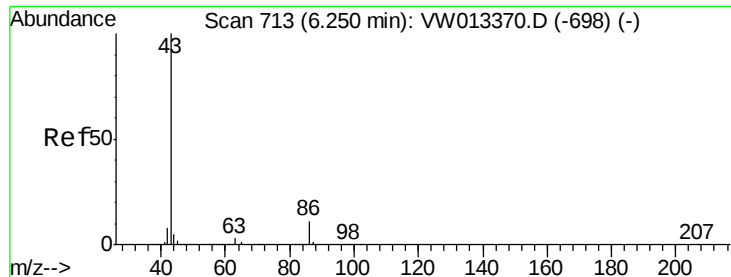
Ion 45.00 (44.70 to 45.70): VW

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

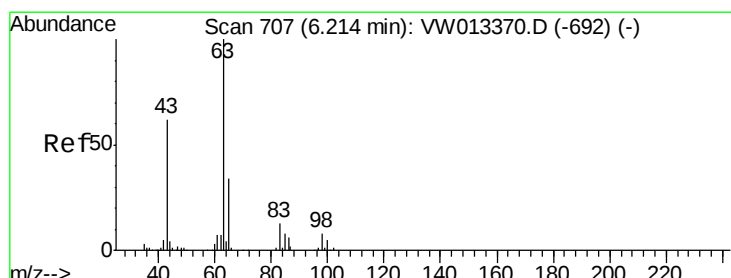
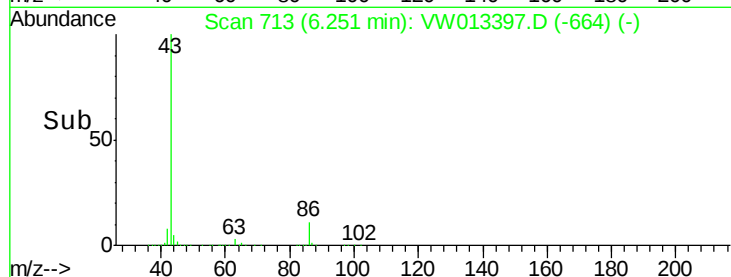
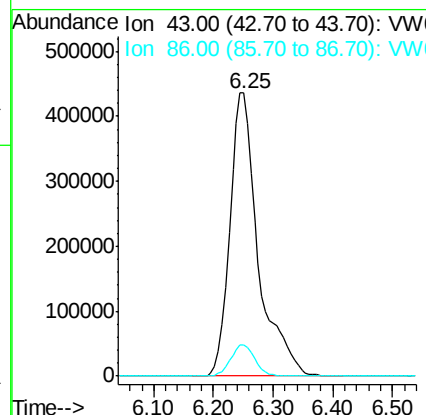
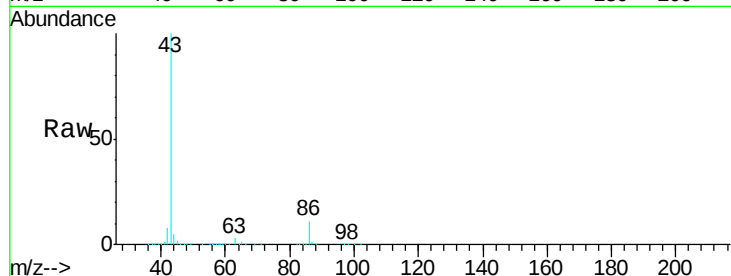




#23
 Vinyl Acetate
 Concen: 272.754 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VW013397.D
 Acq: 02 Oct 2019 23:49

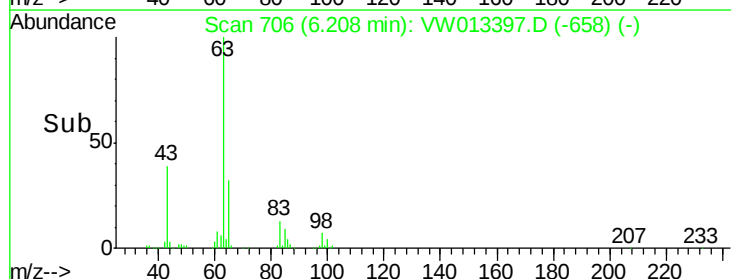
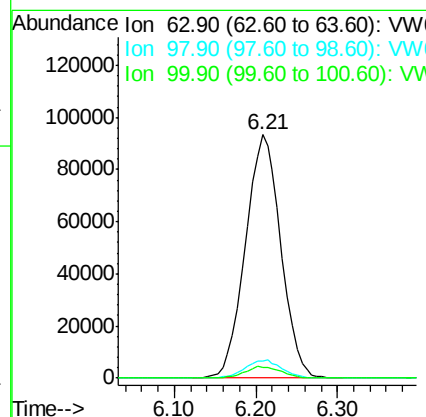
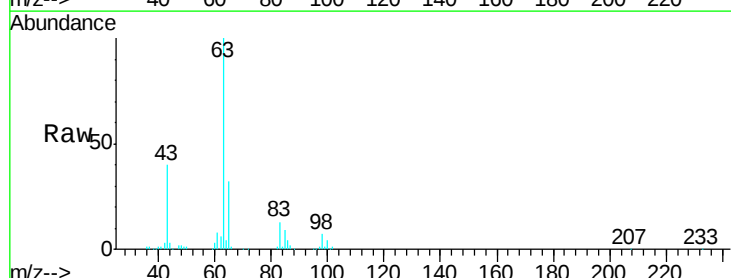
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

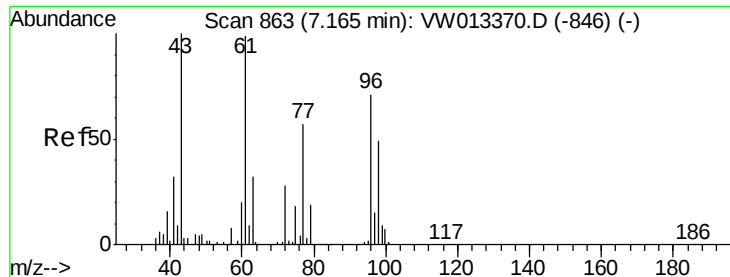
Tgt Ion: 43 Resp: 1441025
 Ion Ratio Lower Upper
 43 100
 86 11.1 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 52.471 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW013397.D
 Acq: 02 Oct 2019 23:49

Tgt Ion: 63 Resp: 281396
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.5 10.5
 100 4.4 2.4 7.1





#25

2-Butanone

Concen: 254.755 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW013397.D

Acq: 02 Oct 2019 23:49

Instrument :

MSVOA_W

ClientSampleId :

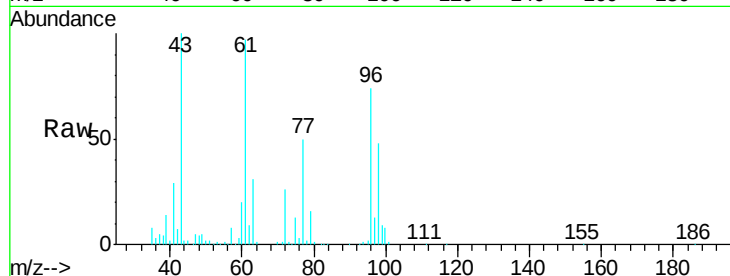
VSTDCCC050EC

Tgt Ion: 43 Resp: 249782

Ion Ratio Lower Upper

43 100

72 26.3 19.4 29.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.17

100000

80000

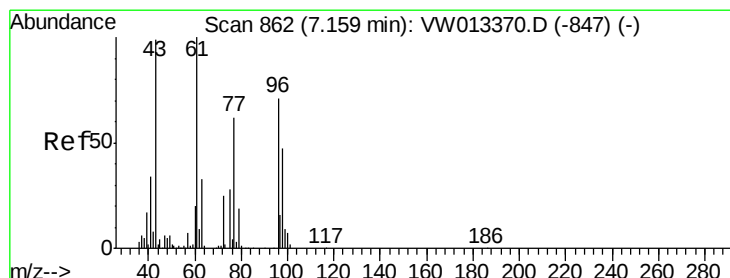
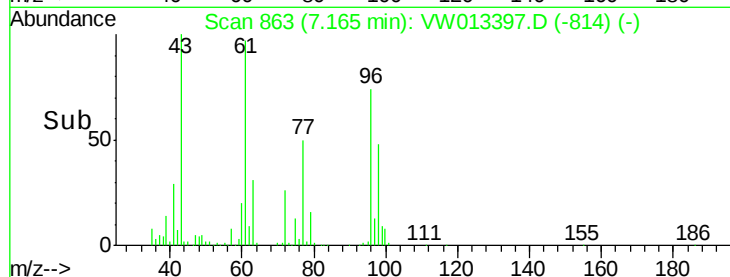
60000

40000

20000

0

Time--> 7.00 7.10 7.20



#26

2,2-Dichloropropane

Concen: 47.092 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW013397.D

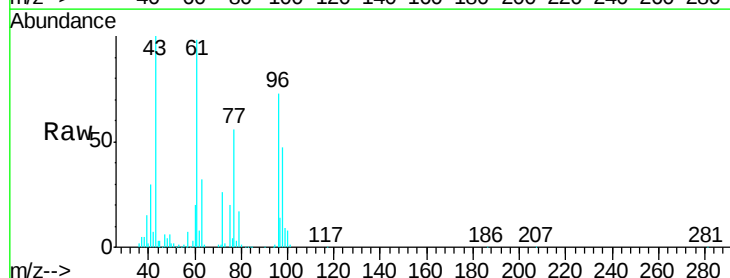
Acq: 02 Oct 2019 23:49

Tgt Ion: 77 Resp: 146418

Ion Ratio Lower Upper

77 100

97 24.8 11.8 35.4



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

7.16

60000

50000

40000

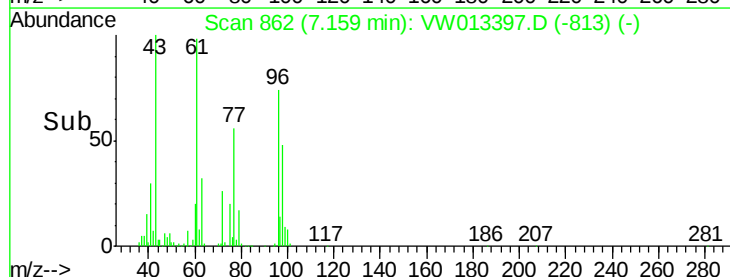
30000

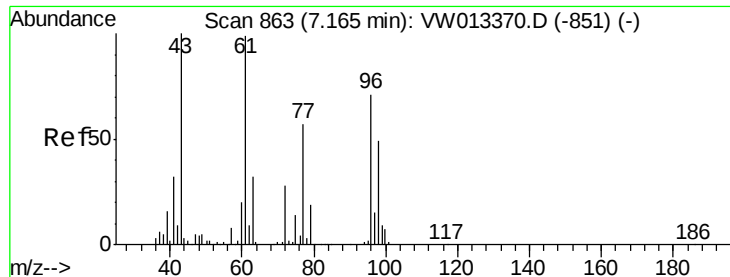
20000

10000

0

Time--> 7.00 7.10 7.20 7.30



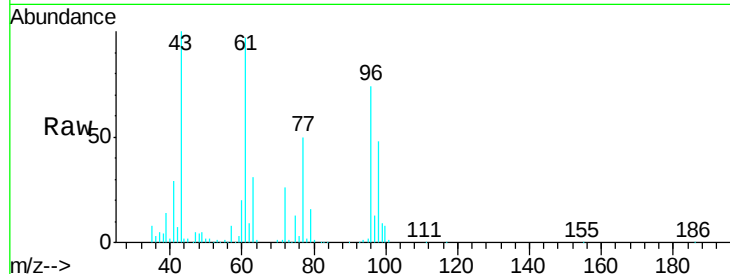


#27

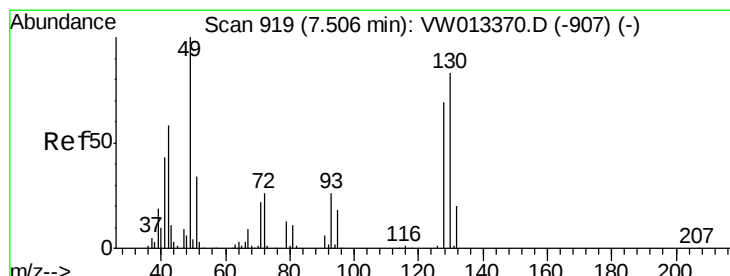
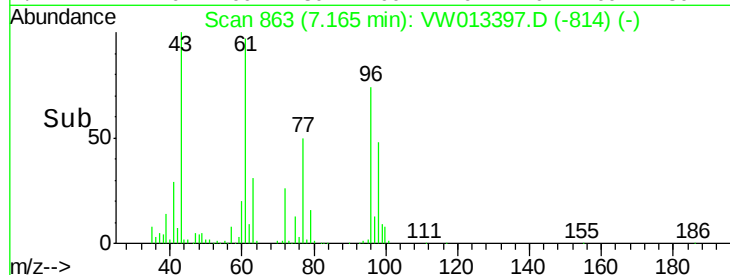
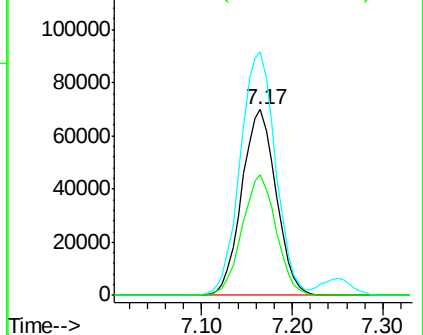
cis-1,2-Dichloroethene
Concen: 53.469 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW013397.D
Acq: 02 Oct 2019 23:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 183692
Ion Ratio Lower Upper
96 100
61 134.8 0.0 282.4
98 64.2 0.0 128.2



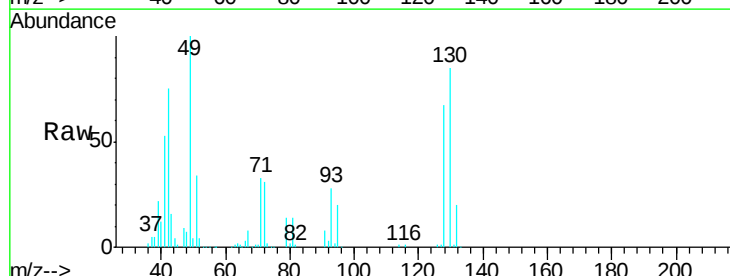
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



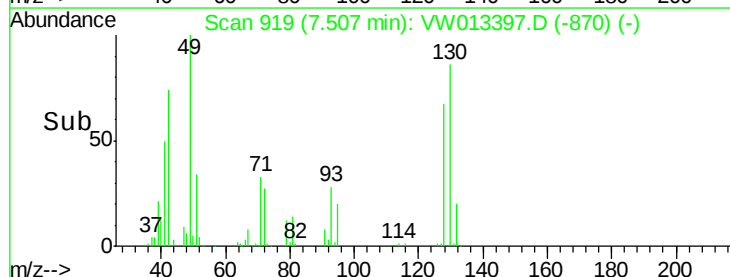
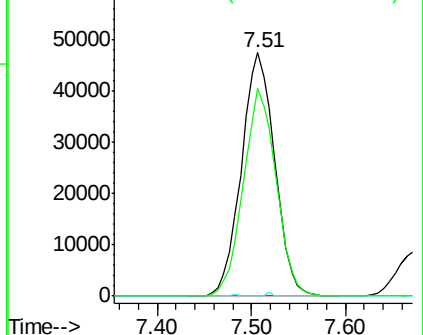
#28

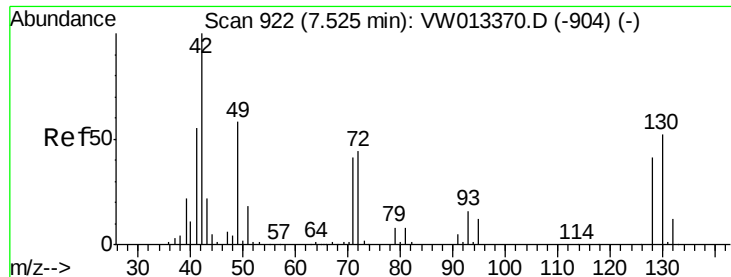
Bromochloromethane
Concen: 60.768 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW013397.D
Acq: 02 Oct 2019 23:49

Tgt Ion: 49 Resp: 117829
Ion Ratio Lower Upper
49 100
129 0.3 0.0 1.0
130 83.8 63.4 95.2



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

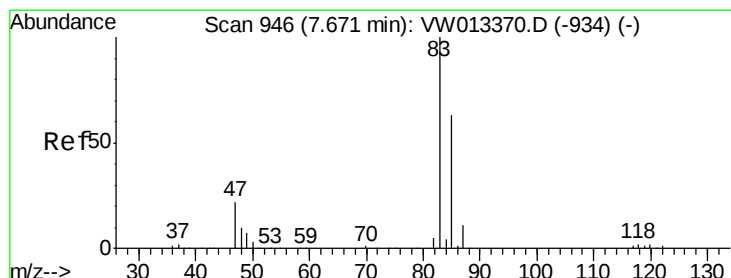
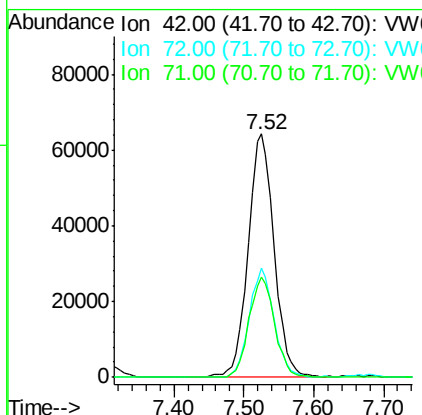
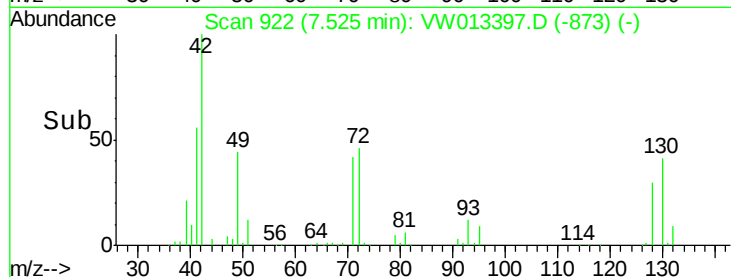
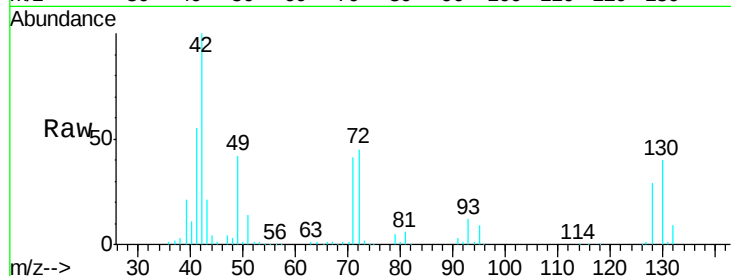




#29
Tetrahydrofuran
Concen: 289.167 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW013397.D
Acq: 02 Oct 2019 23:49

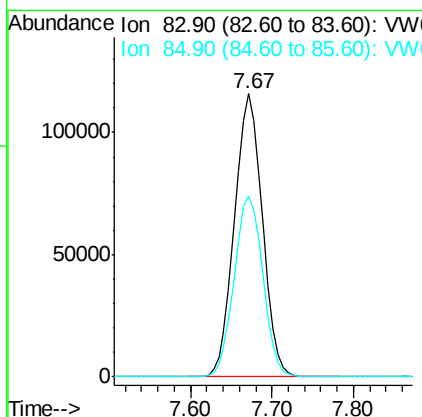
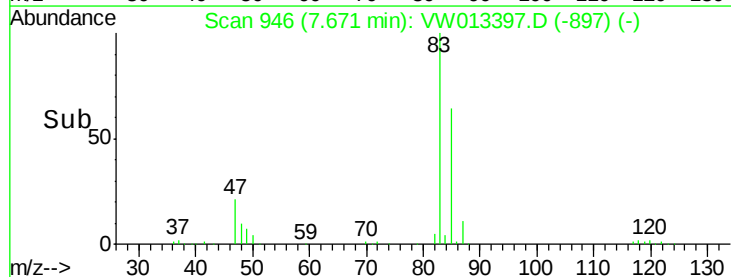
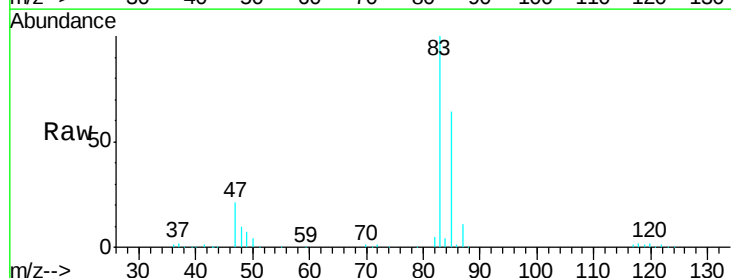
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

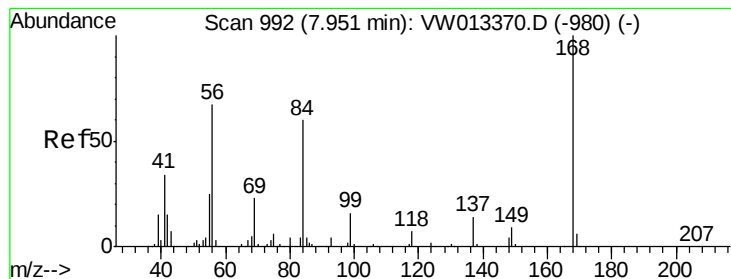
Tgt Ion: 42 Resp: 165809
Ion Ratio Lower Upper
42 100
72 42.9 33.9 50.9
71 40.5 31.9 47.9



#30
Chloroform
Concen: 52.065 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW013397.D
Acq: 02 Oct 2019 23:49

Tgt Ion: 83 Resp: 273790
Ion Ratio Lower Upper
83 100
85 64.0 52.3 78.5





#31

Cyclohexane

Concen: 47.711 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013397.D

Acq: 02 Oct 2019 23:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

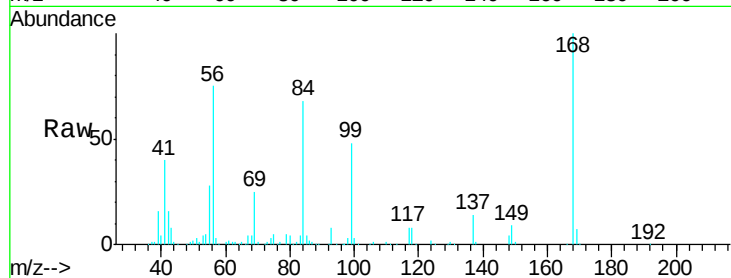
Tgt Ion: 56 Resp: 272870

Ion Ratio Lower Upper

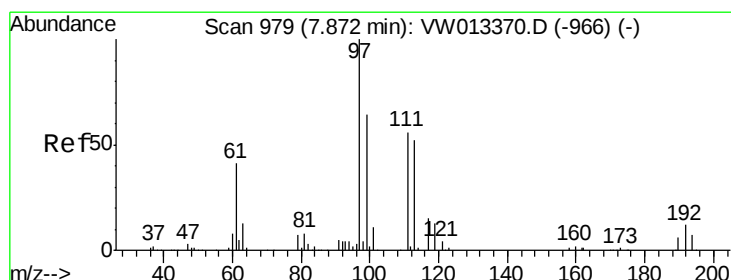
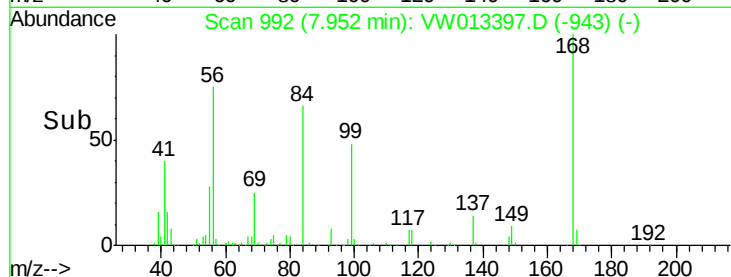
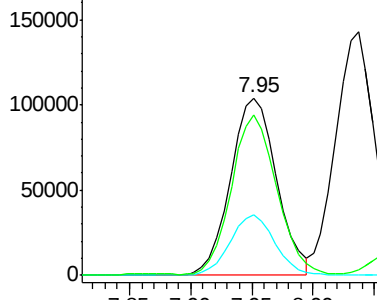
56 100

69 34.1 27.2 40.8

84 89.5 70.8 106.2



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



#32

1,1,1-Trichloroethane

Concen: 51.733 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW013397.D

Acq: 02 Oct 2019 23:49

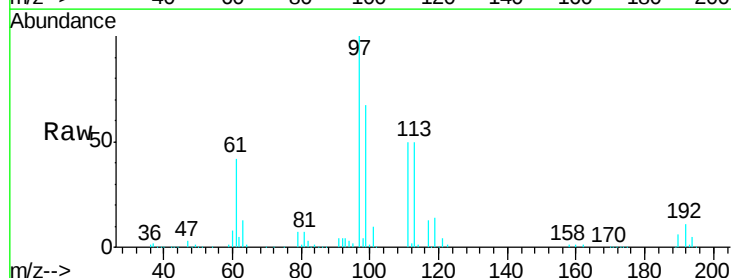
Tgt Ion: 97 Resp: 213126

Ion Ratio Lower Upper

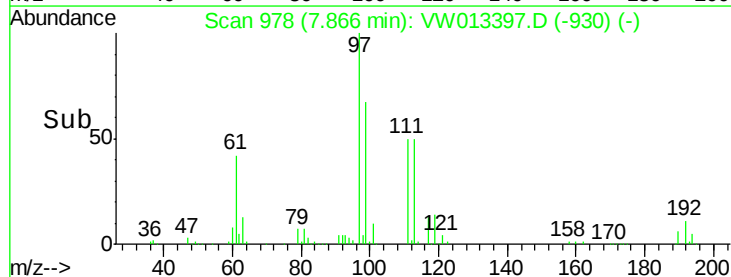
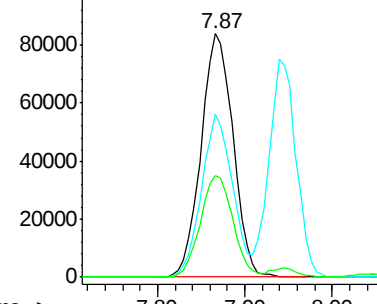
97 100

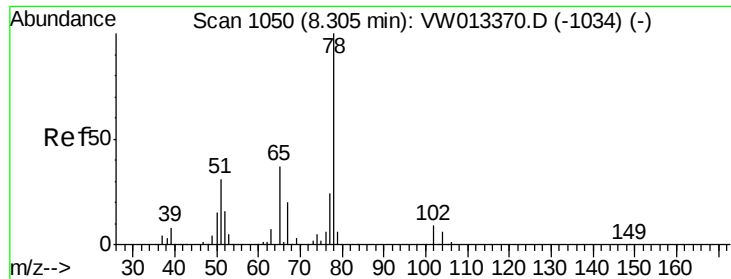
99 65.4 51.7 77.5

61 42.5 34.6 51.8



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

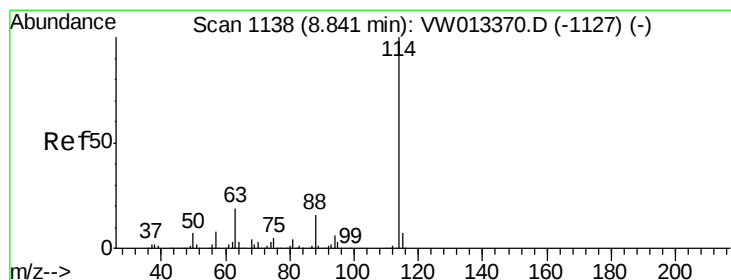
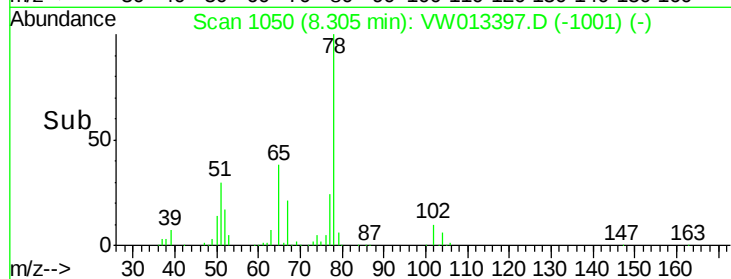
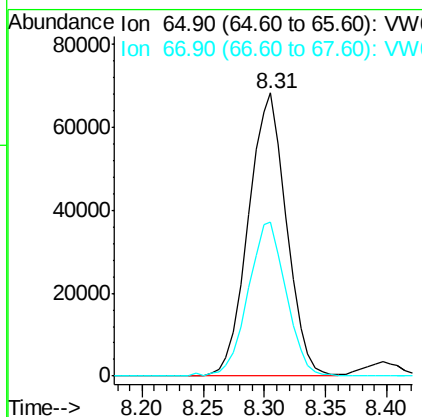
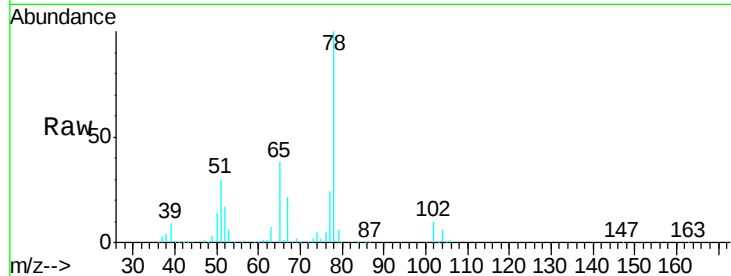




#33
 1,2-Dichloroethane-d4
 Concen: 59.022 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW013397.D
 Acq: 02 Oct 2019 23:49

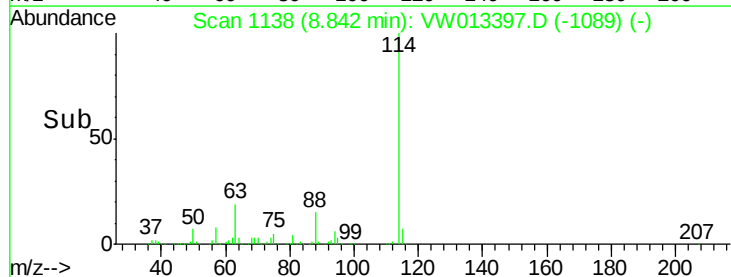
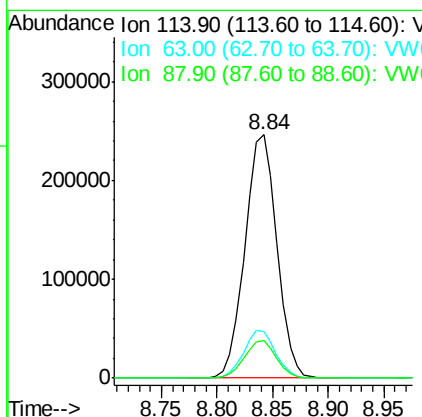
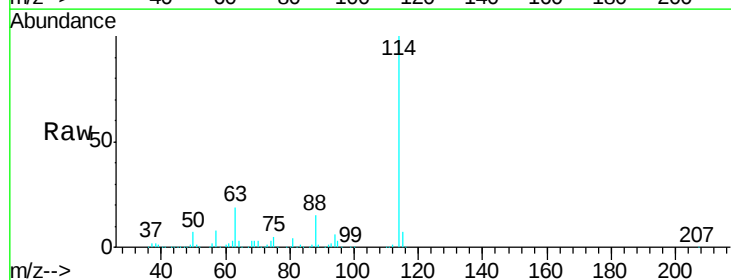
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

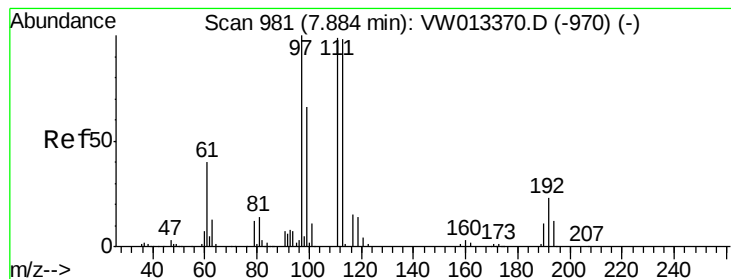
Tgt Ion: 65 Resp: 147545
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013397.D
 Acq: 02 Oct 2019 23:49

Tgt Ion: 114 Resp: 490827
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 41.4
 88 15.2 0.0 32.0





#35

Dibromofluoromethane

Concen: 57.262 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW013397.D

Acq: 02 Oct 2019 23:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

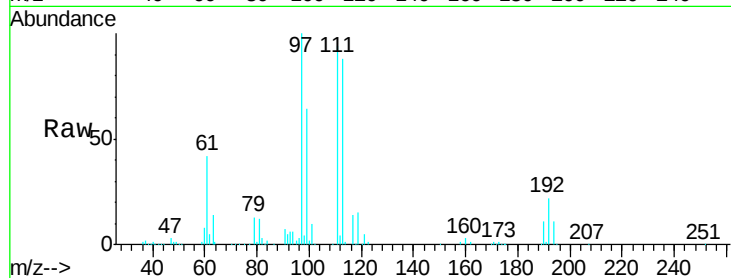
Tgt Ion:113 Resp: 147477

Ion Ratio Lower Upper

113 100

111 102.8 81.9 122.9

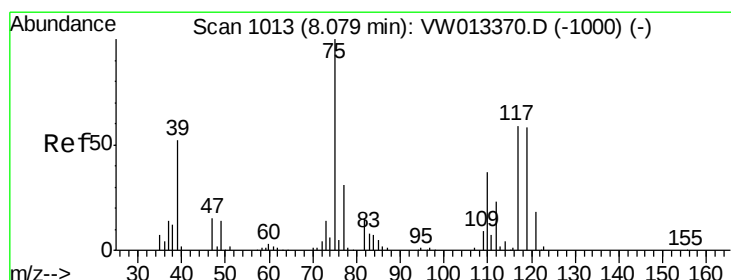
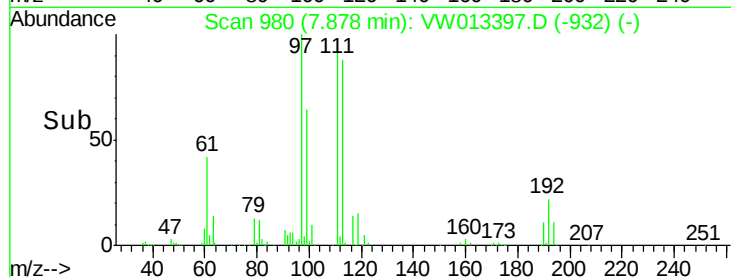
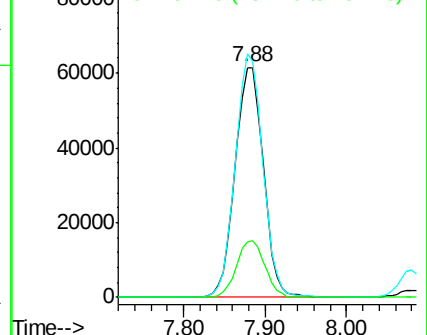
192 24.5 19.1 28.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 49.526 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW013397.D

Acq: 02 Oct 2019 23:49

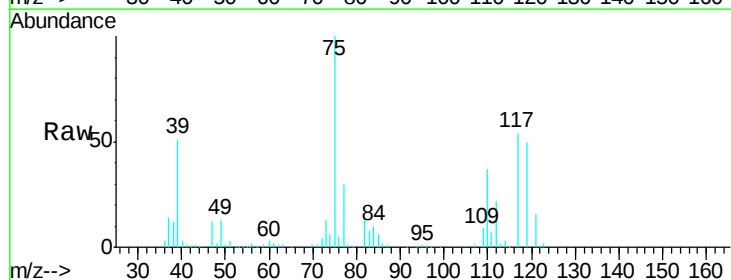
Tgt Ion: 75 Resp: 225780

Ion Ratio Lower Upper

75 100

110 36.6 18.1 54.3

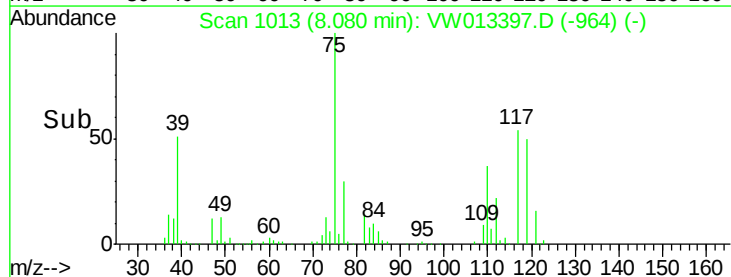
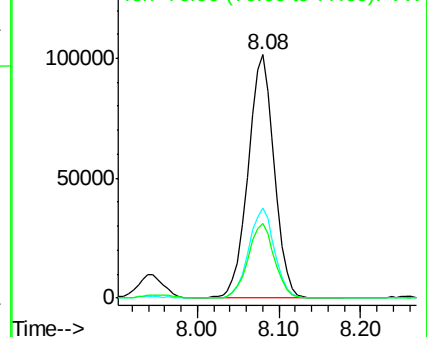
77 31.0 25.8 38.6

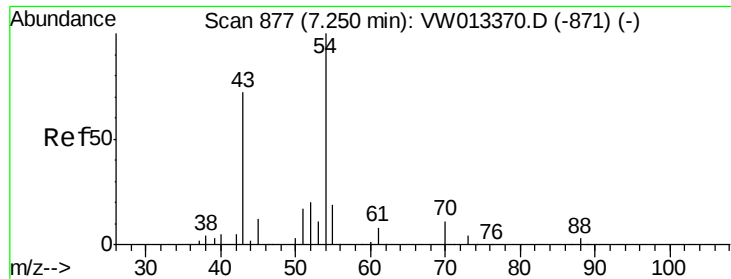


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

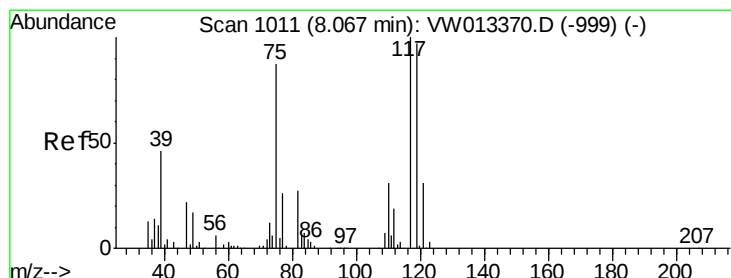
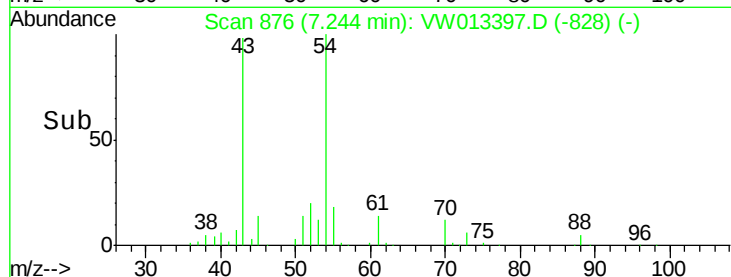
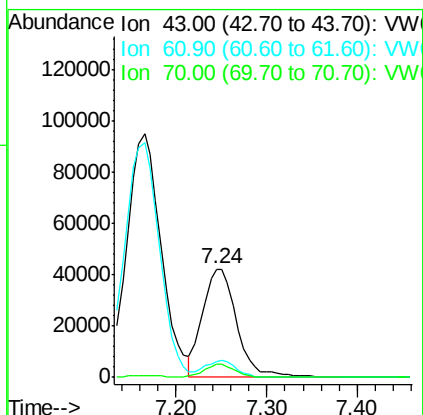
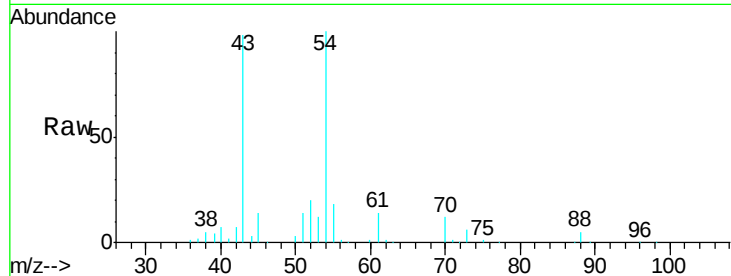




#37
 Ethyl Acetate
 Concen: 54.698 ug/l
 RT: 7.24 min Scan# 876
 Delta R.T. -0.01 min
 Lab File: VW013397.D
 Acq: 02 Oct 2019 23:49

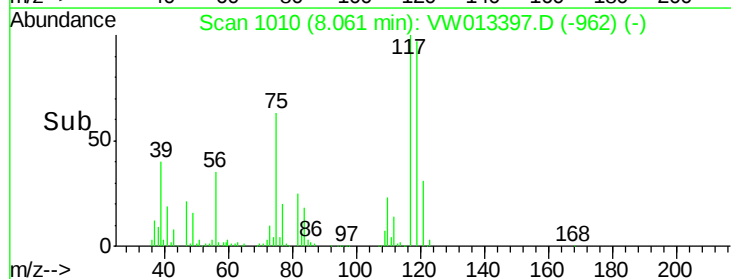
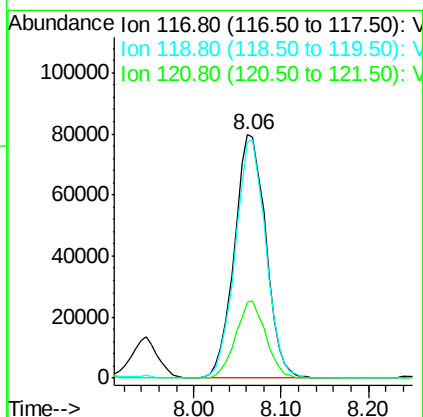
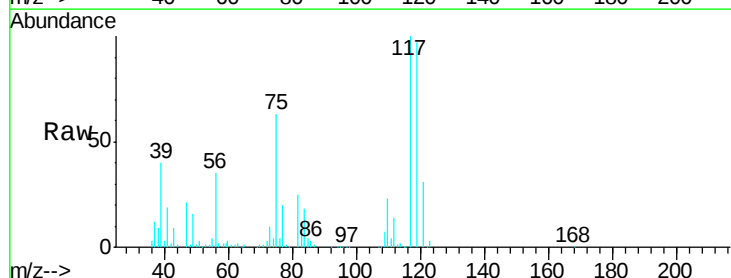
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

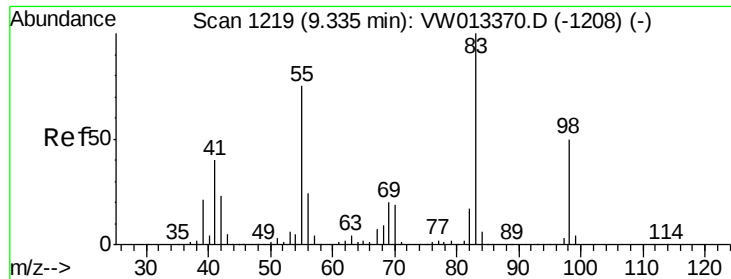
Tgt Ion: 43 Resp: 110083
 Ion Ratio Lower Upper
 43 100
 61 14.2 10.9 16.3
 70 11.3 8.2 12.2



#38
 Carbon Tetrachloride
 Concen: 50.390 ug/l
 RT: 8.06 min Scan# 1010
 Delta R.T. -0.01 min
 Lab File: VW013397.D
 Acq: 02 Oct 2019 23:49

Tgt Ion: 117 Resp: 198994
 Ion Ratio Lower Upper
 117 100
 119 97.0 73.5 110.3
 121 31.1 25.0 37.6

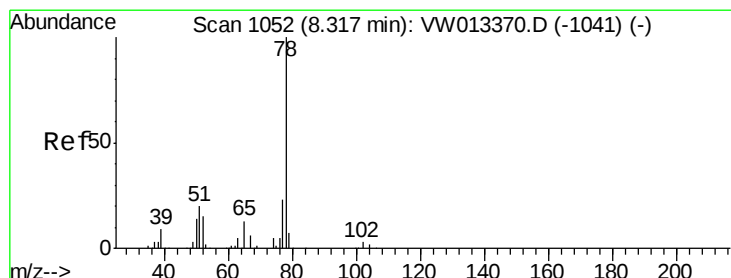
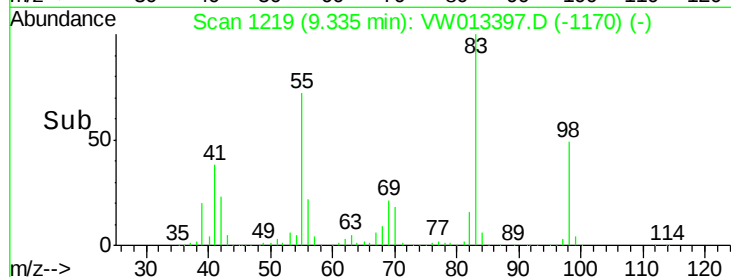
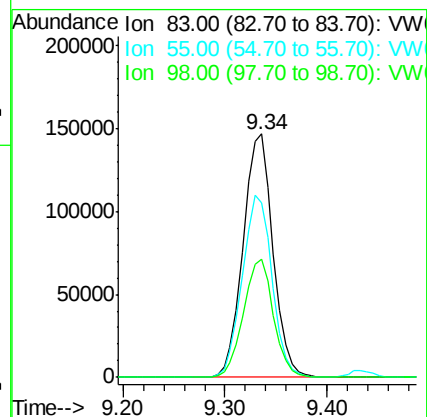
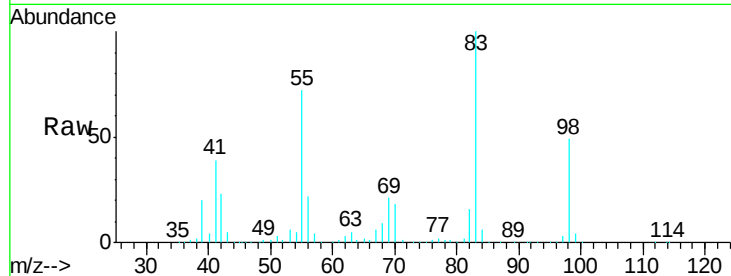




#39
Methylcyclohexane
Concen: 49.527 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW013397.D
Acq: 02 Oct 2019 23:49

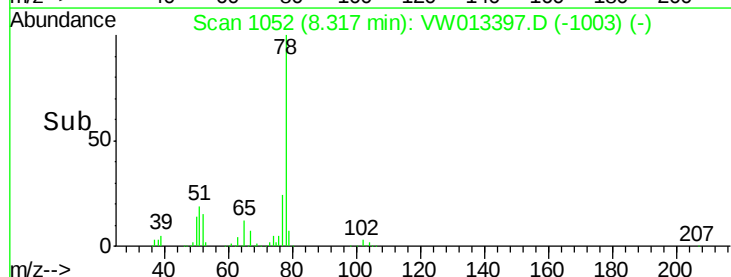
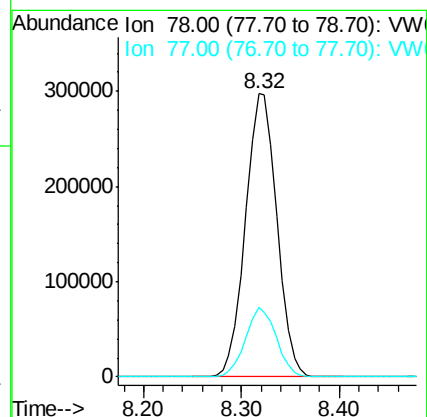
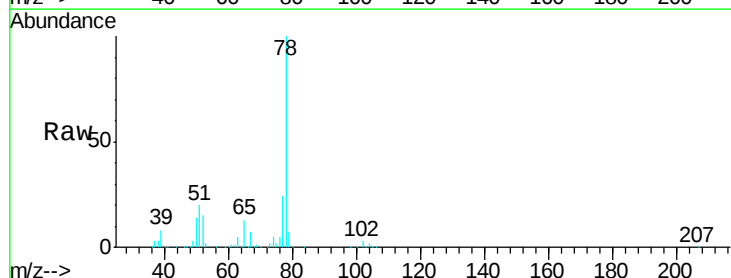
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

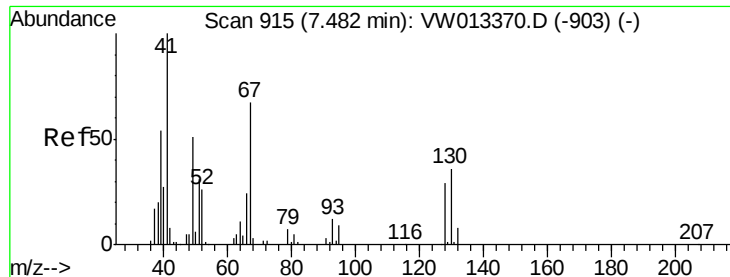
Tgt Ion: 83 Resp: 297353
Ion Ratio Lower Upper
83 100
55 71.6 60.4 90.6
98 48.8 40.0 60.0



#40
Benzene
Concen: 51.352 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW013397.D
Acq: 02 Oct 2019 23:49

Tgt Ion: 78 Resp: 662704
Ion Ratio Lower Upper
78 100
77 24.5 19.1 28.7

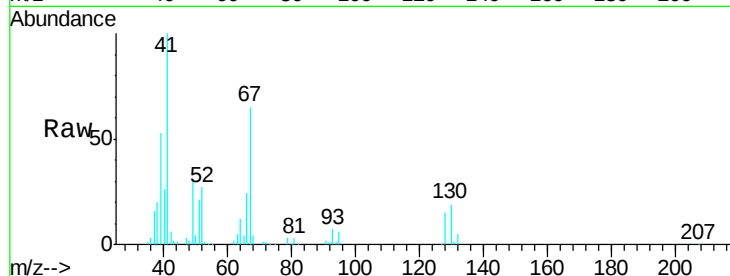




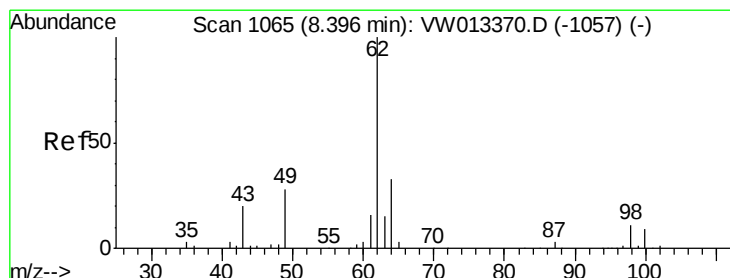
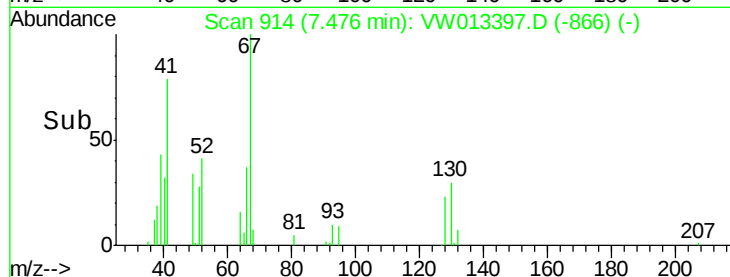
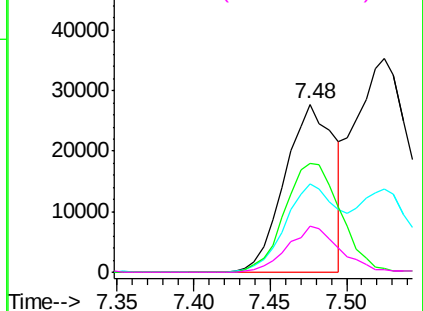
#41
Methacrylonitrile
Concen: 51.585 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW013397.D
Acq: 02 Oct 2019 23:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:	41	Resp:	62579
Ion	Ratio	Lower	Upper
41	100		
39	56.9	45.9	68.9
67	72.7	54.5	81.7
52	29.1	22.5	33.7

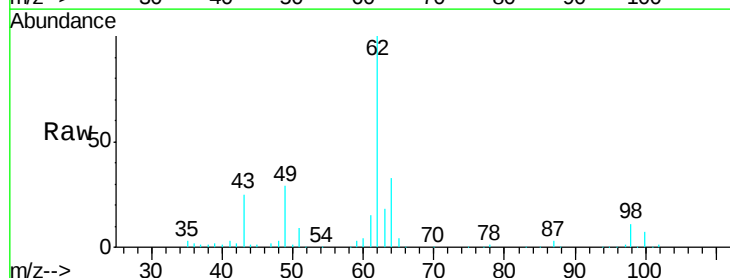


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

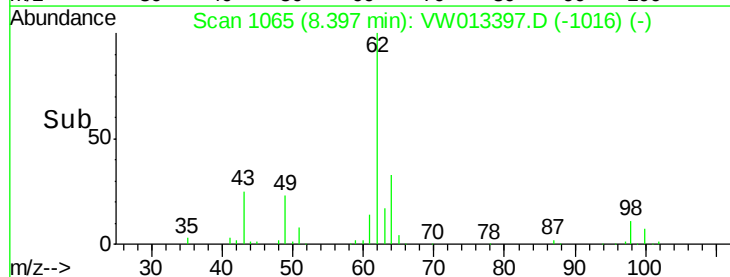
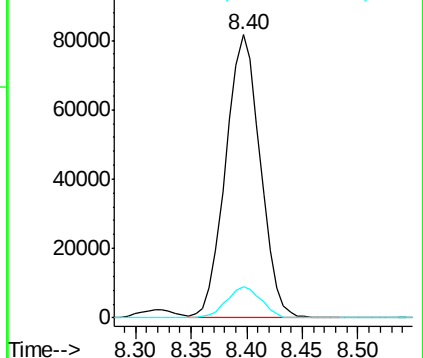


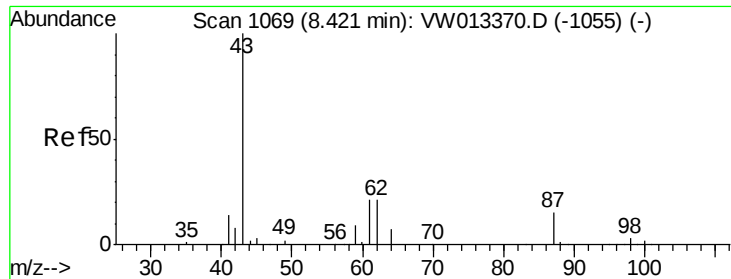
#42
1,2-Dichloroethane
Concen: 52.964 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW013397.D
Acq: 02 Oct 2019 23:49

Tgt Ion:	62	Resp:	175671
Ion	Ratio	Lower	Upper
62	100		
98	11.1	0.0	20.6



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 54.766 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW013397.D

Acq: 02 Oct 2019 23:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

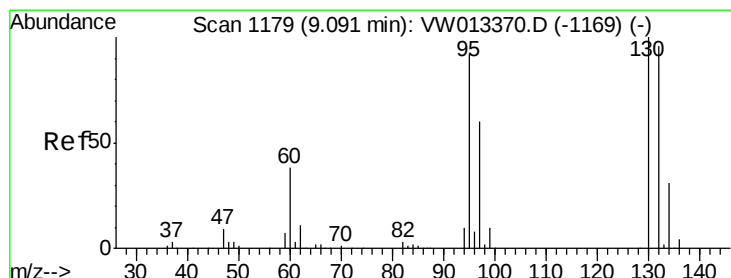
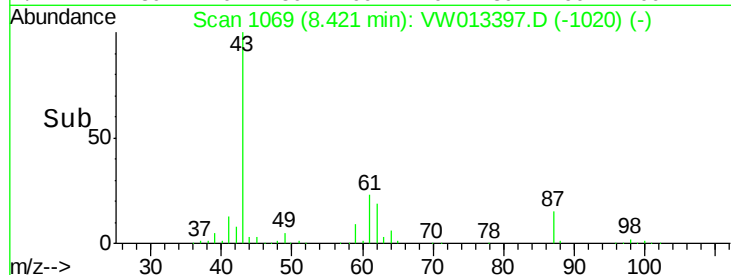
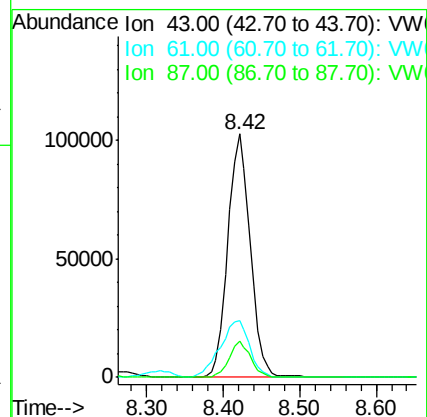
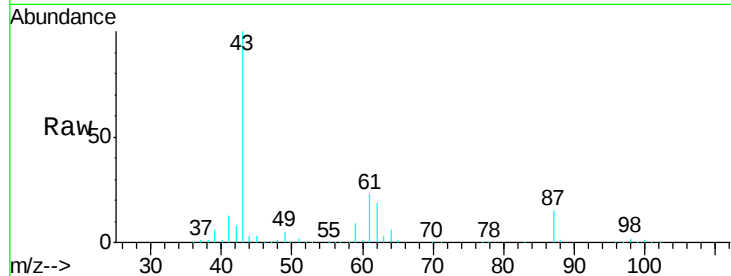
Tgt Ion: 43 Resp: 207386

Ion Ratio Lower Upper

43 100

61 30.6 25.5 38.3

87 14.2 11.0 16.4



#44

Trichloroethene

Concen: 51.546 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW013397.D

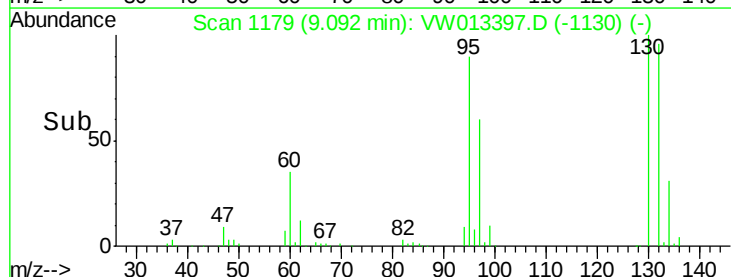
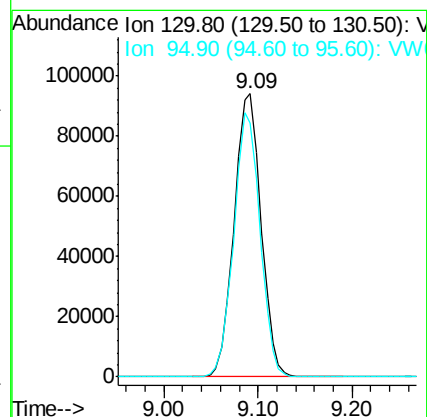
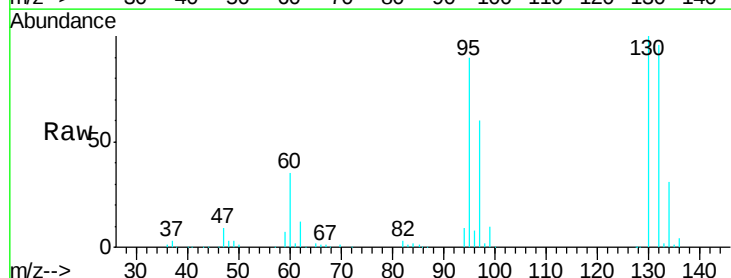
Acq: 02 Oct 2019 23:49

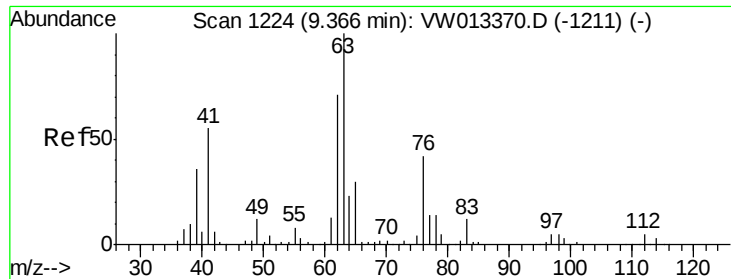
Tgt Ion: 130 Resp: 187322

Ion Ratio Lower Upper

130 100

95 89.8 0.0 188.0





#45

1,2-Dichloropropane

Concen: 52.572 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW013397.D

Acq: 02 Oct 2019 23:49

Instrument :

MSVOA_W

ClientSampleId :

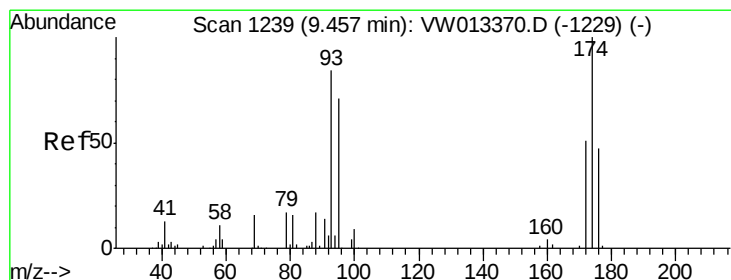
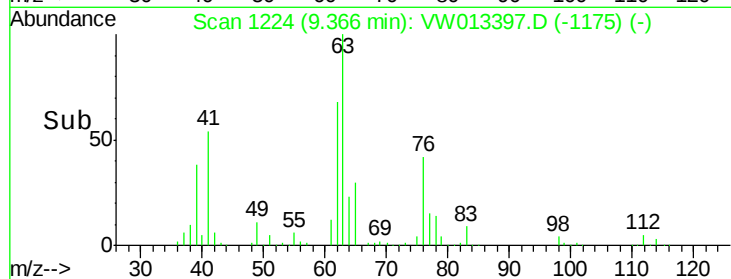
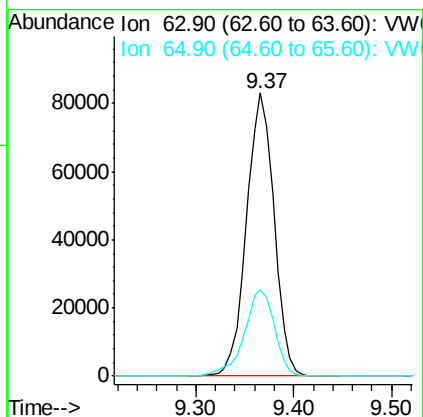
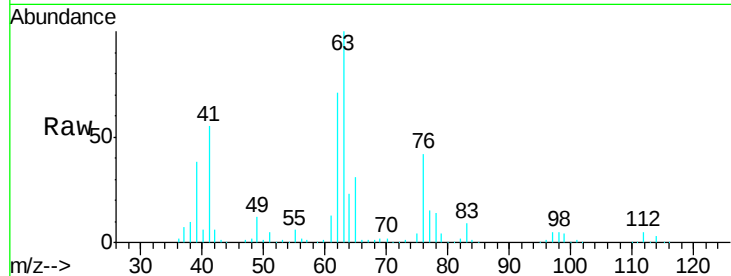
VSTDCCC050EC

Tgt Ion: 63 Resp: 162893

Ion Ratio Lower Upper

63 100

65 30.5 25.3 37.9



#46

Dibromomethane

Concen: 53.940 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW013397.D

Acq: 02 Oct 2019 23:49

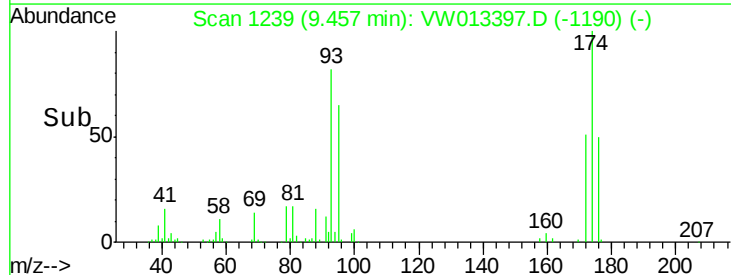
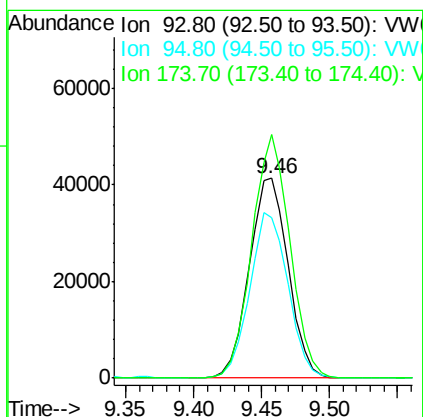
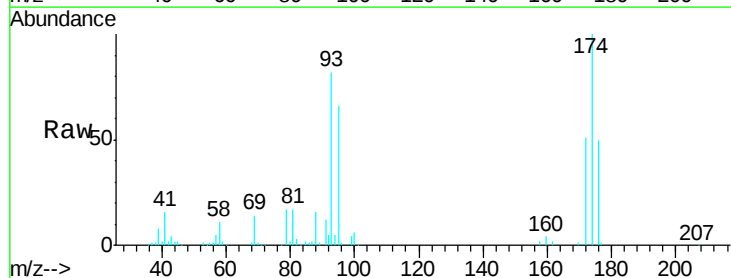
Tgt Ion: 93 Resp: 83247

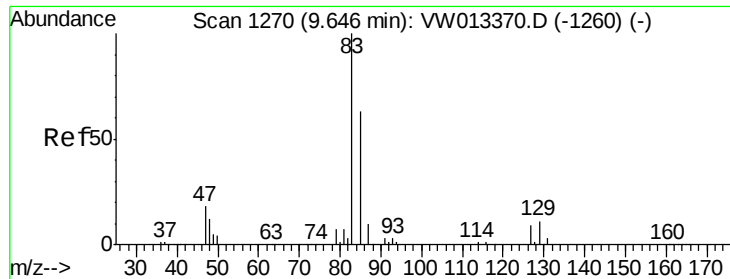
Ion Ratio Lower Upper

93 100

95 81.3 66.4 99.6

174 118.6 93.0 139.6





#47

Bromodichloromethane

Concen: 53.396 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW013397.D

Acq: 02 Oct 2019 23:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

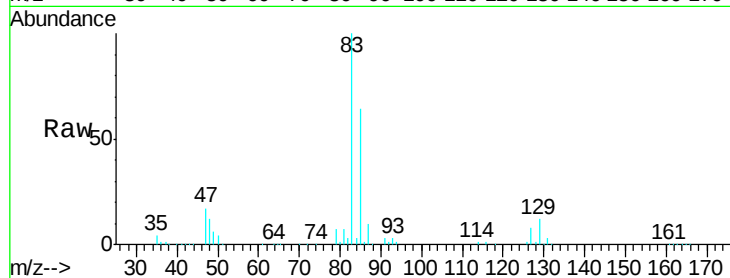
Tgt Ion: 83 Resp: 202865

Ion Ratio Lower Upper

83 100

85 64.3 49.4 74.2

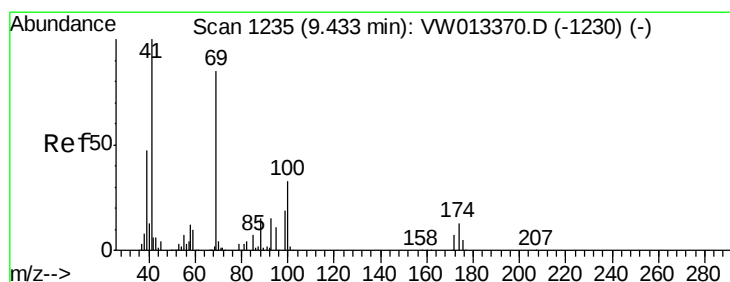
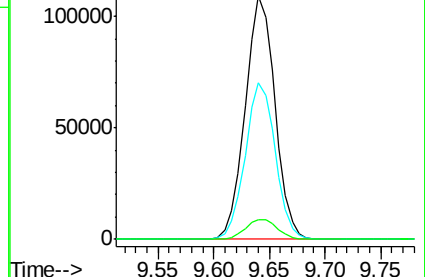
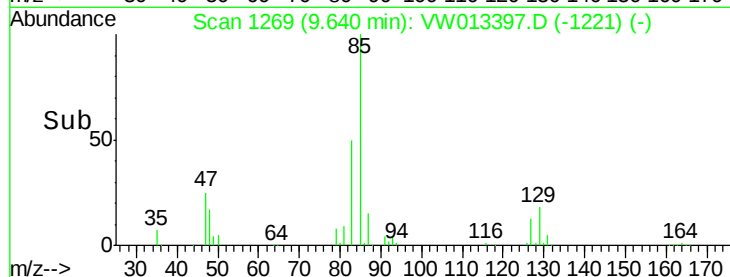
127 8.2 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 54.302 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW013397.D

Acq: 02 Oct 2019 23:49

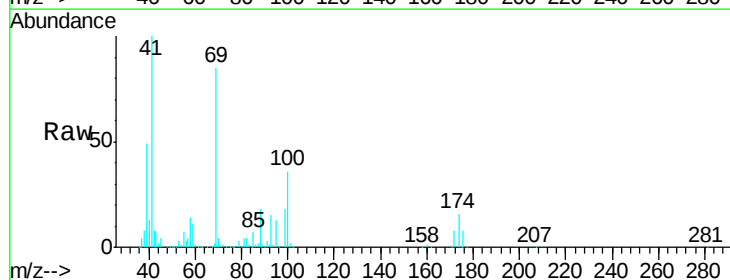
Tgt Ion: 41 Resp: 98803

Ion Ratio Lower Upper

41 100

69 89.1 69.7 104.5

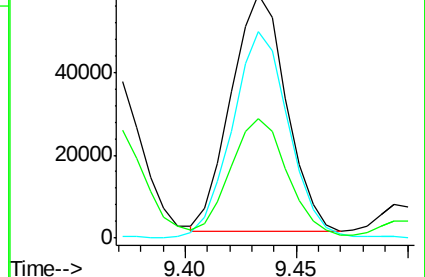
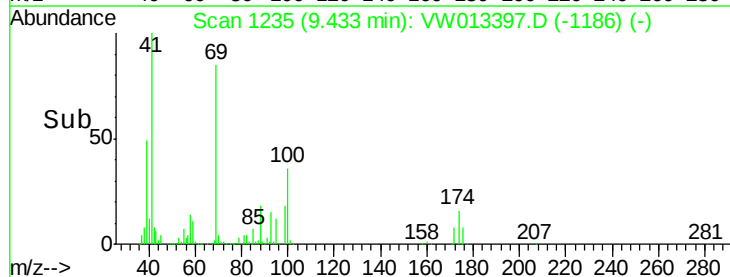
39 49.5 41.1 61.7

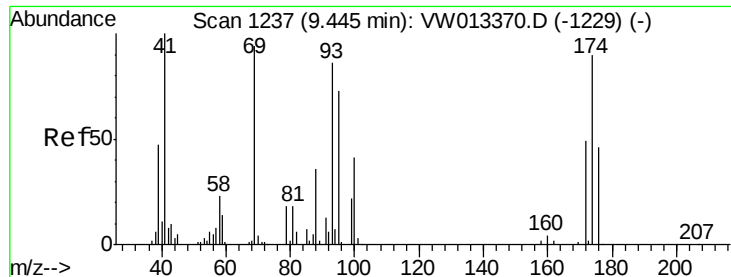


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

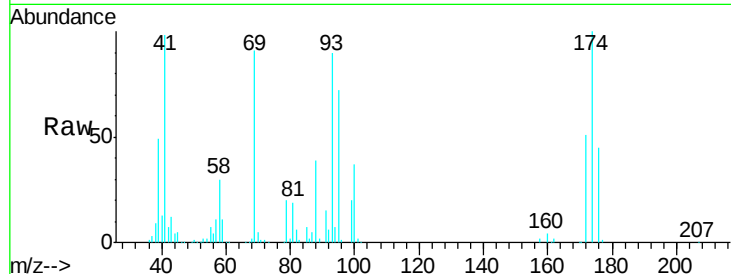




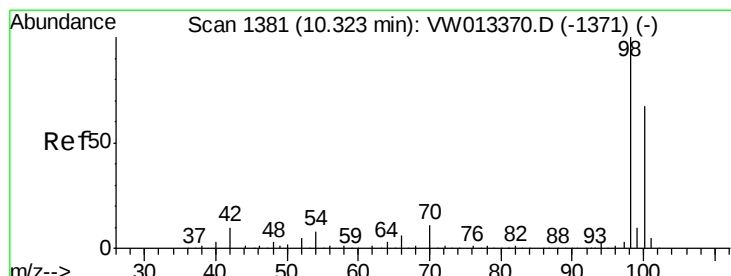
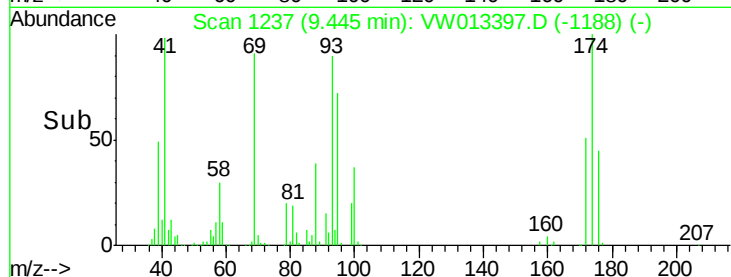
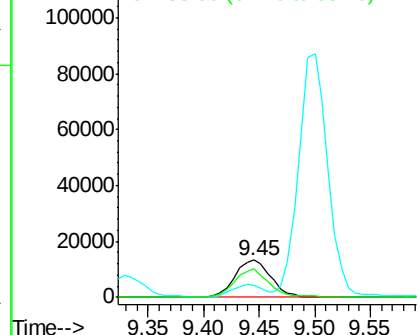
#49
1,4-Dioxane
Concen: 1255.752 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW013397.D
Acq: 02 Oct 2019 23:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 29760
Ion Ratio Lower Upper
88 100
43 27.7 0.0 0.0#
58 72.1 65.4 98.0

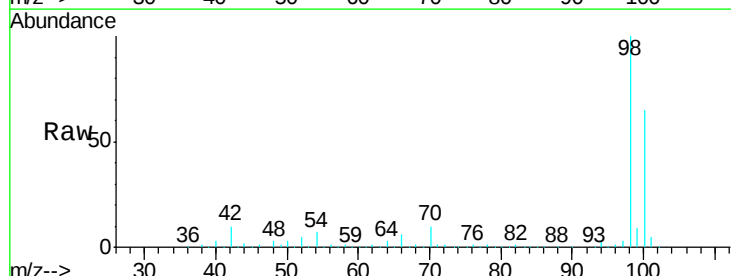


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

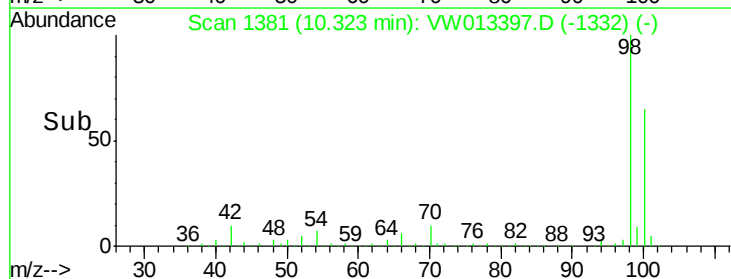
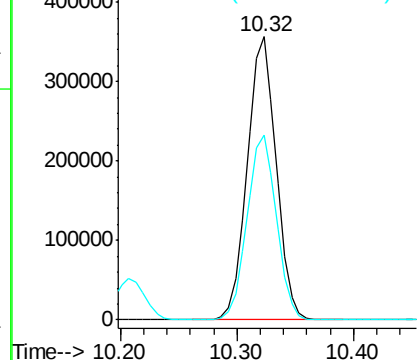


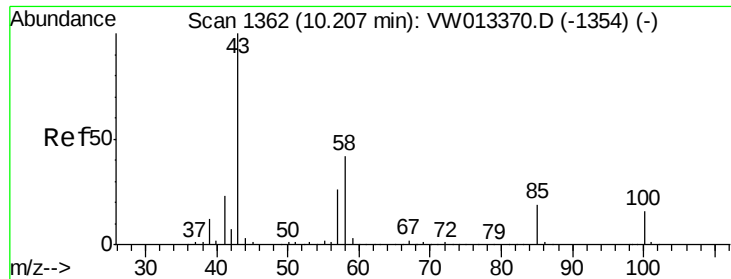
#50
Toluene-d8
Concen: 57.821 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013397.D
Acq: 02 Oct 2019 23:49

Tgt Ion: 98 Resp: 617979
Ion Ratio Lower Upper
98 100
100 66.1 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

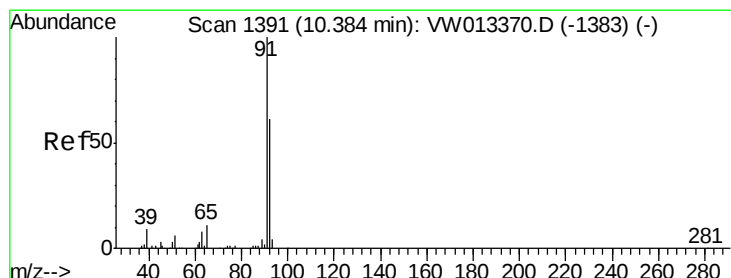
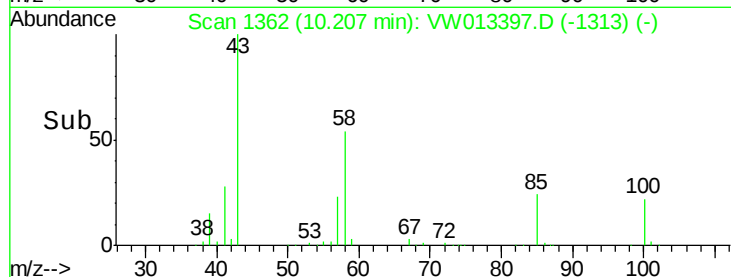
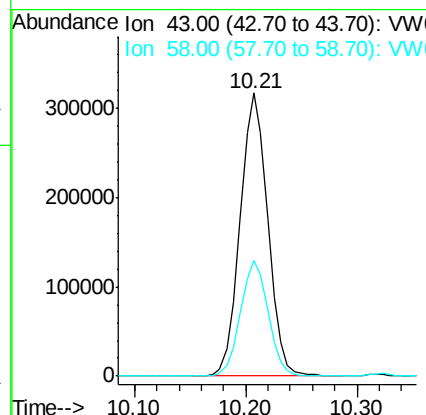
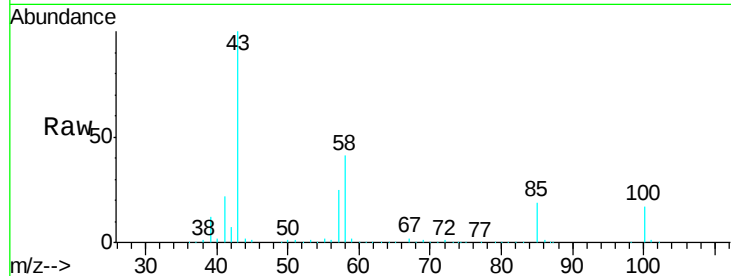




#51
 4-Methyl-2-Pentanone
 Concen: 273.273 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW013397.D
 Acq: 02 Oct 2019 23:49

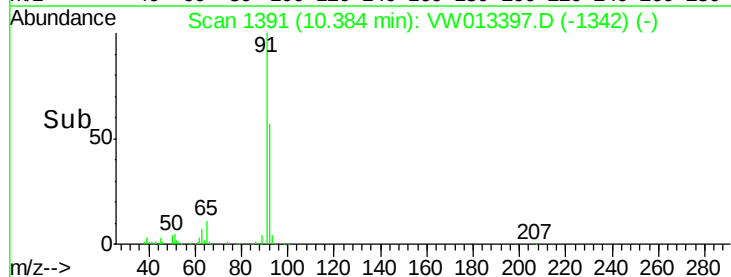
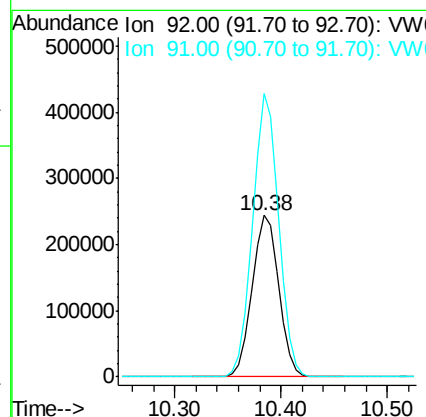
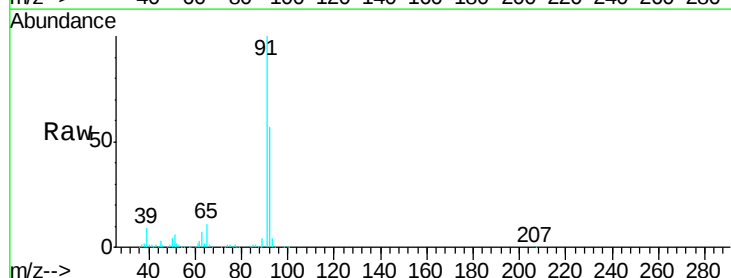
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

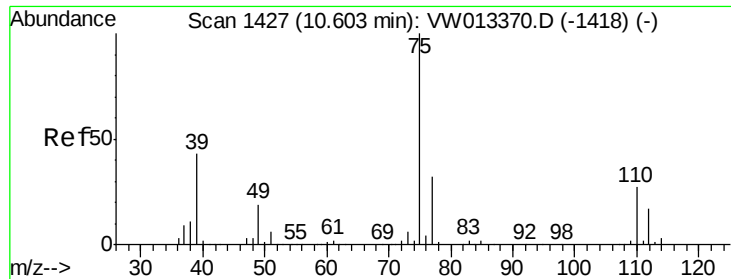
Tgt Ion: 43 Resp: 543694
 Ion Ratio Lower Upper
 43 100
 58 41.0 31.7 47.5



#52
 Toluene
 Concen: 51.624 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW013397.D
 Acq: 02 Oct 2019 23:49

Tgt Ion: 92 Resp: 429704
 Ion Ratio Lower Upper
 92 100
 91 171.1 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 53.550 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013397.D

Acq: 02 Oct 2019 23:49

Instrument :

MSVOA_W

ClientSampleId :

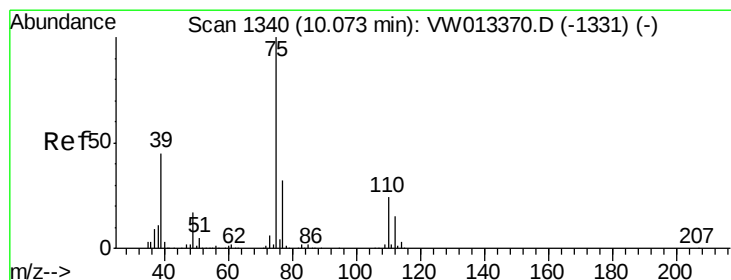
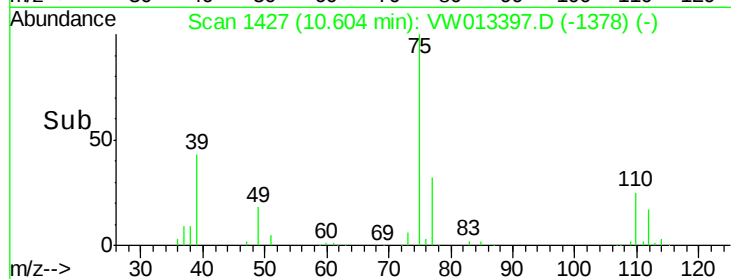
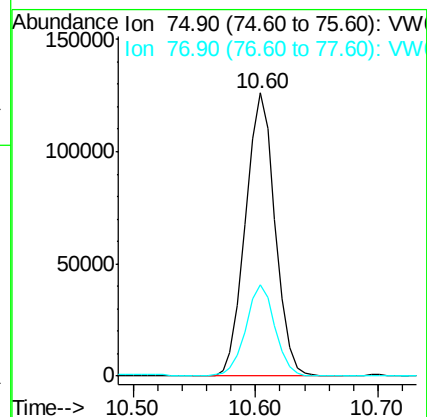
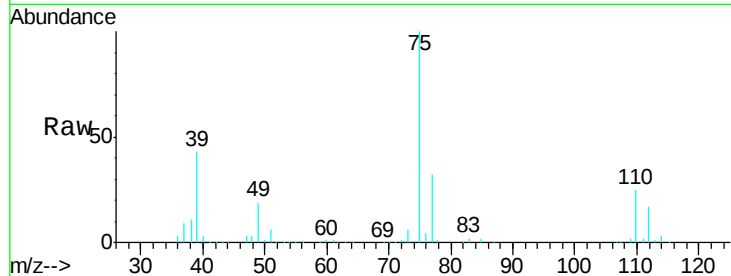
VSTDCCC050EC

Tgt Ion: 75 Resp: 211622

Ion Ratio Lower Upper

75 100

77 32.2 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 52.658 ug/l

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW013397.D

Acq: 02 Oct 2019 23:49

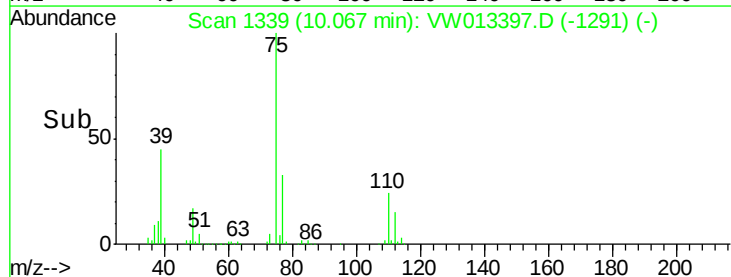
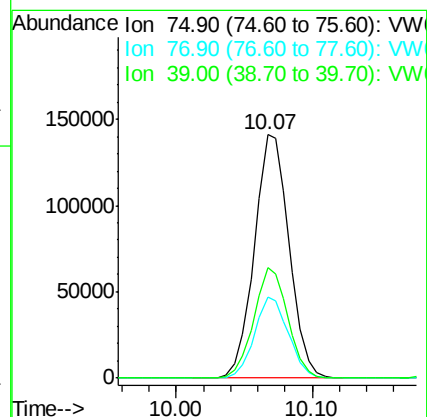
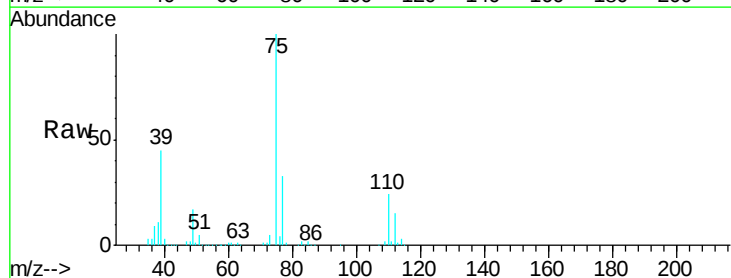
Tgt Ion: 75 Resp: 252307

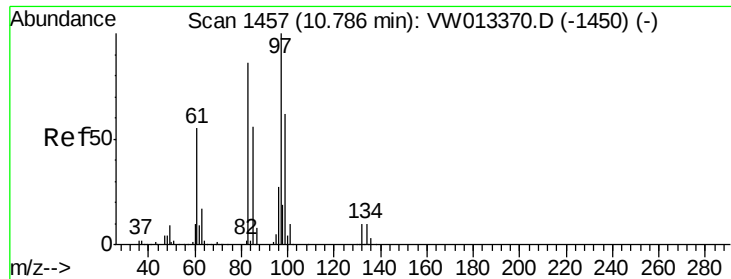
Ion Ratio Lower Upper

75 100

77 33.2 25.2 37.8

39 45.1 36.6 55.0

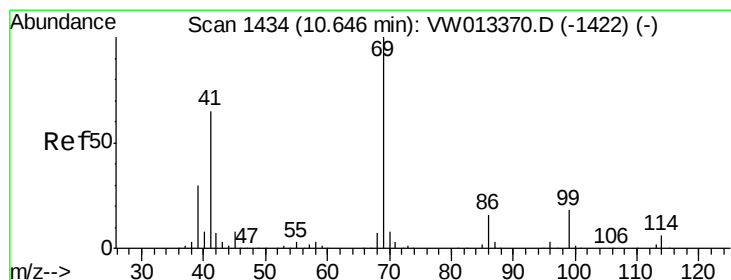
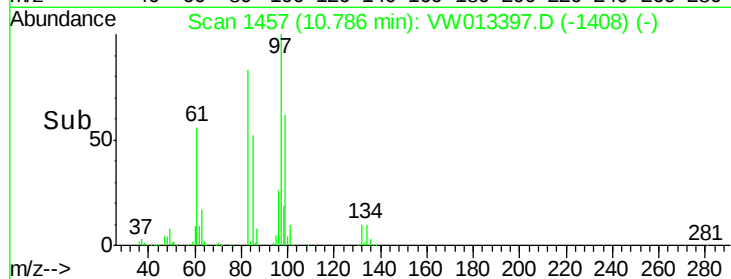
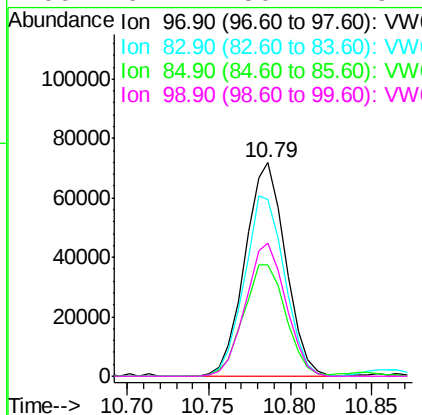
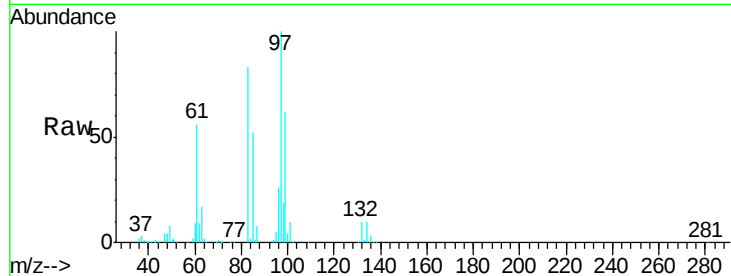




#55
 1,1,2-Trichloroethane
 Concen: 53.898 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW013397.D
 Acq: 02 Oct 2019 23:49

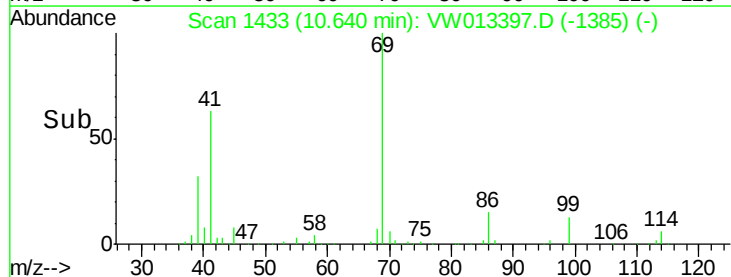
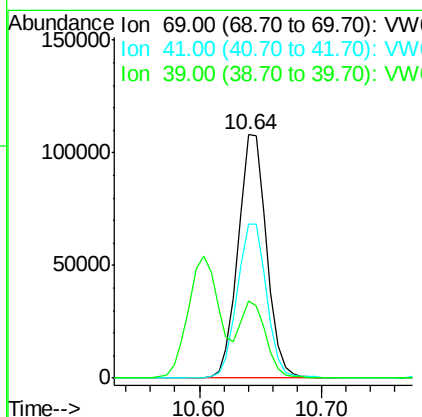
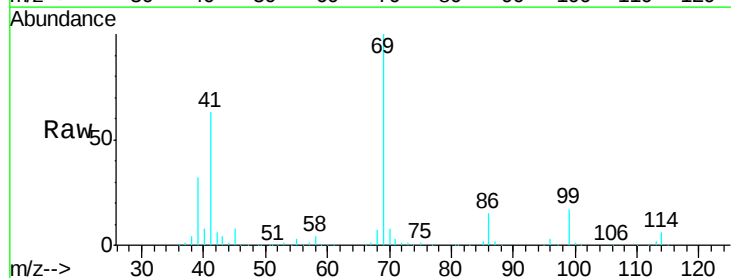
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

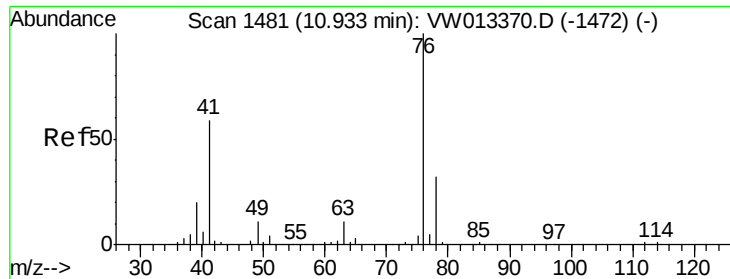
Tgt Ion:	97	Resp:	124090
Ion	Ratio	Lower	Upper
97	100		
83	82.9	67.6	101.4
85	52.4	41.9	62.9
99	62.2	50.1	75.1



#56
 Ethyl methacrylate
 Concen: 56.178 ug/l
 RT: 10.64 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: VW013397.D
 Acq: 02 Oct 2019 23:49

Tgt Ion:	69	Resp:	174088
Ion	Ratio	Lower	Upper
69	100		
41	66.2	53.9	80.9
39	27.7	23.8	35.6

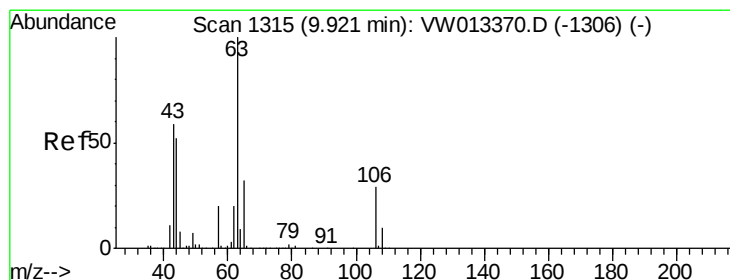
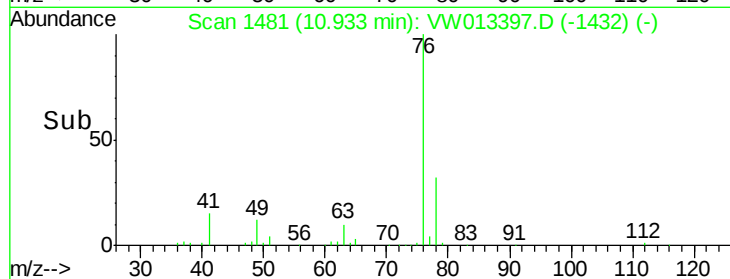
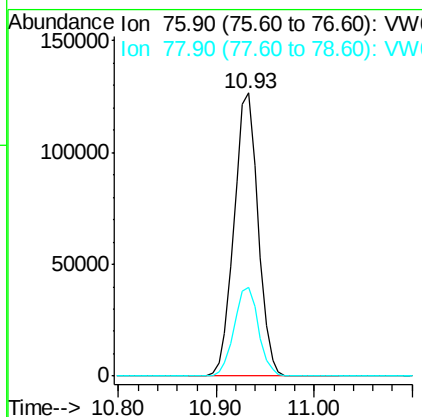
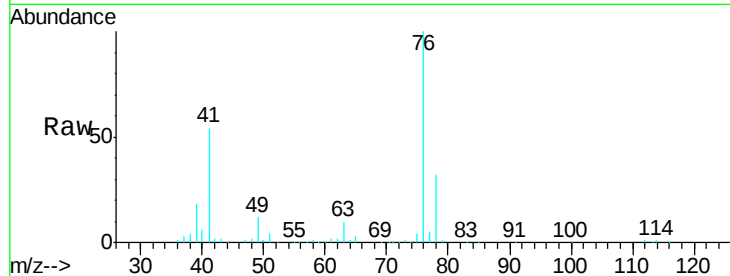




#57
 1,3-Dichloropropane
 Concen: 54.028 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW013397.D
 Acq: 02 Oct 2019 23:49

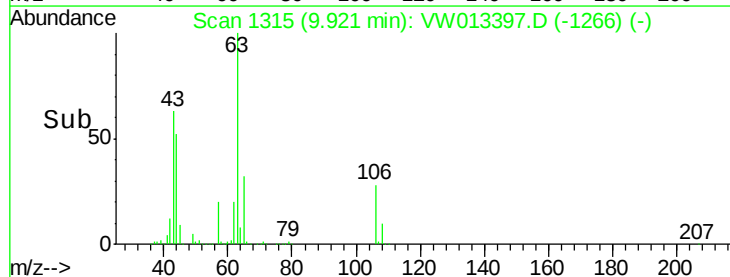
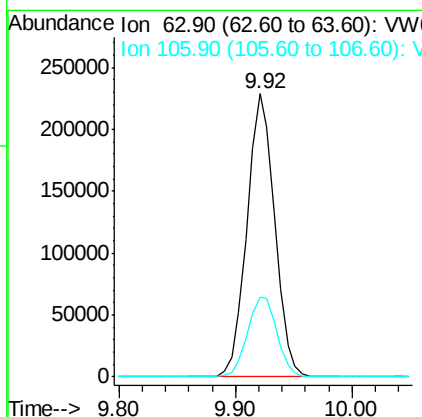
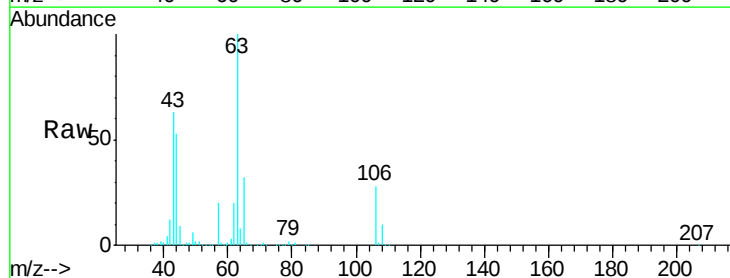
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

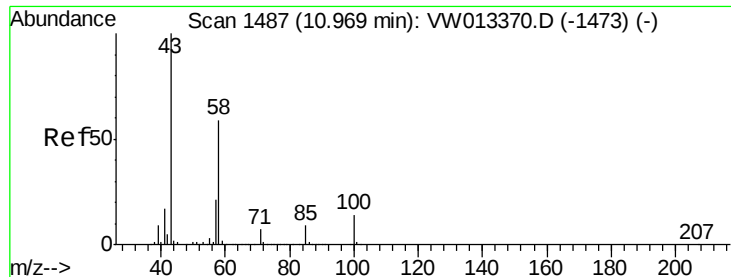
Tgt Ion: 76 Resp: 216244
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 299.435 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW013397.D
 Acq: 02 Oct 2019 23:49

Tgt Ion: 63 Resp: 381165
 Ion Ratio Lower Upper
 63 100
 106 29.8 23.4 35.0

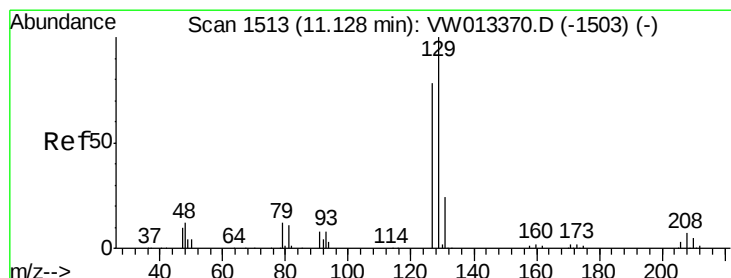
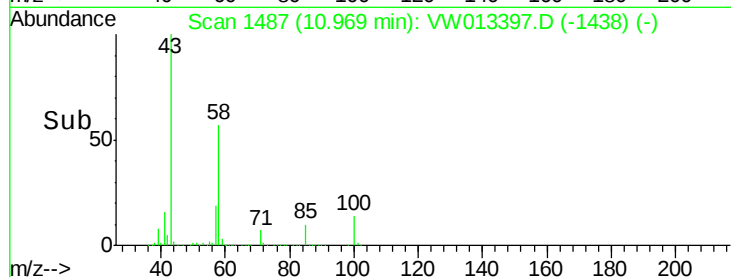
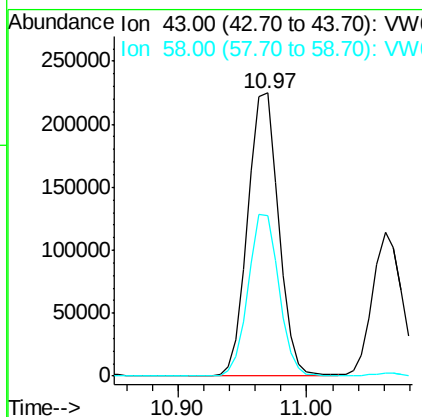
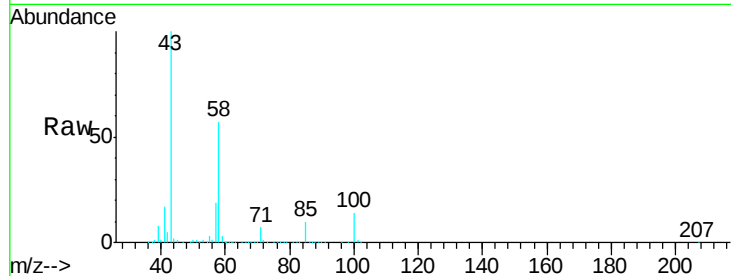




#59
2-Hexanone
Concen: 269.587 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW013397.D
Acq: 02 Oct 2019 23:49

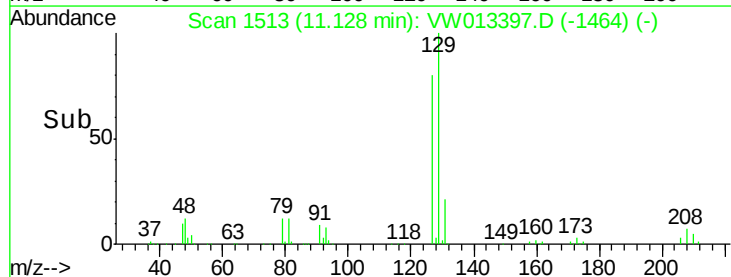
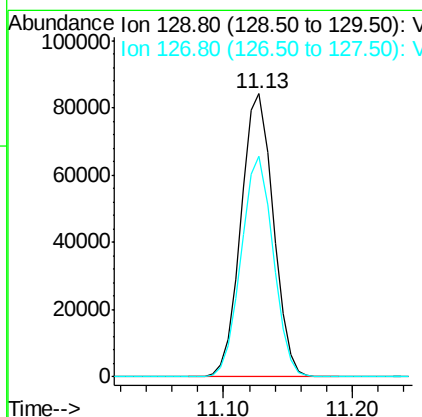
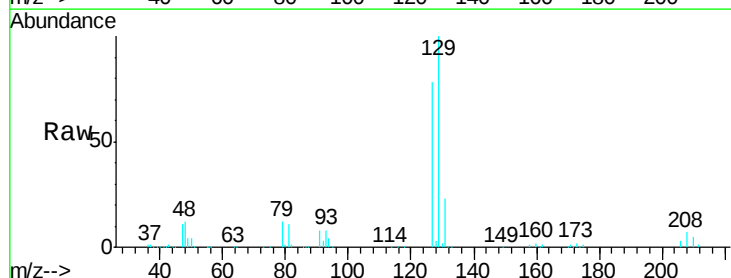
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

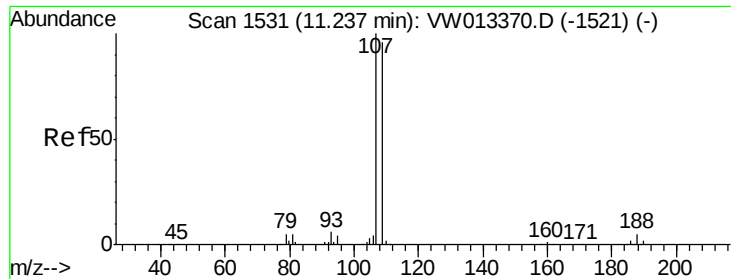
Tgt Ion: 43 Resp: 371768
Ion Ratio Lower Upper
43 100
58 57.0 28.1 84.2



#60
Dibromochloromethane
Concen: 55.409 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013397.D
Acq: 02 Oct 2019 23:49

Tgt Ion: 129 Resp: 145940
Ion Ratio Lower Upper
129 100
127 77.1 38.8 116.4

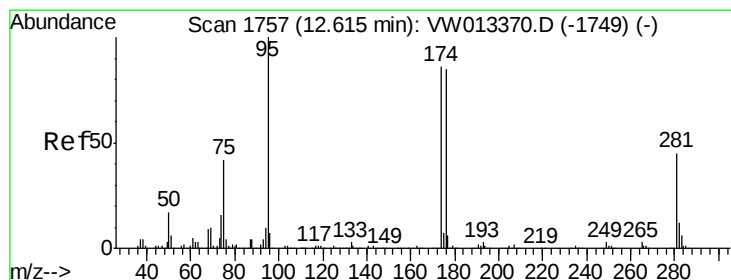
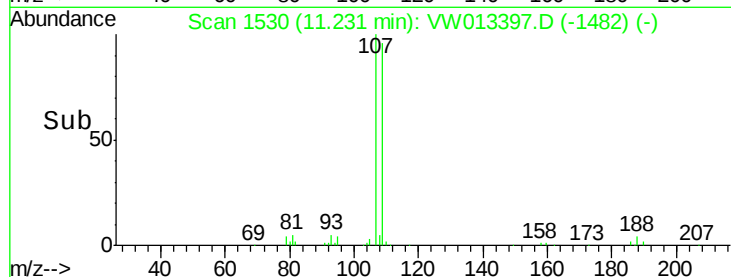
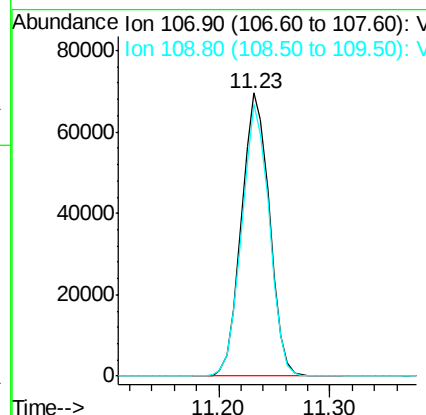
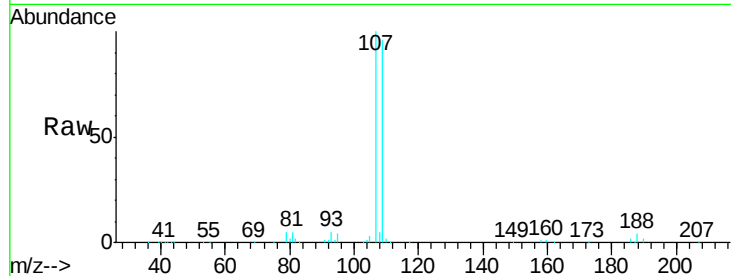




#61
 1,2-Dibromoethane
 Concen: 54.402 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013397.D
 Acq: 02 Oct 2019 23:49

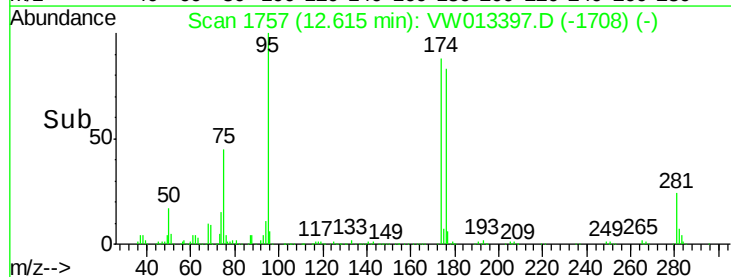
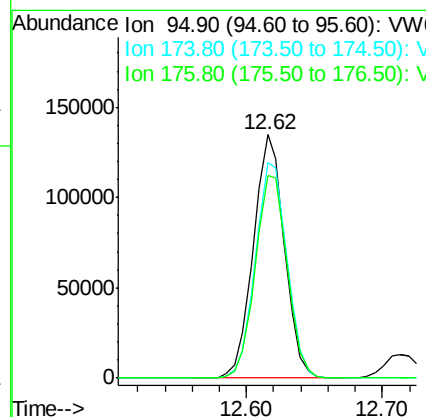
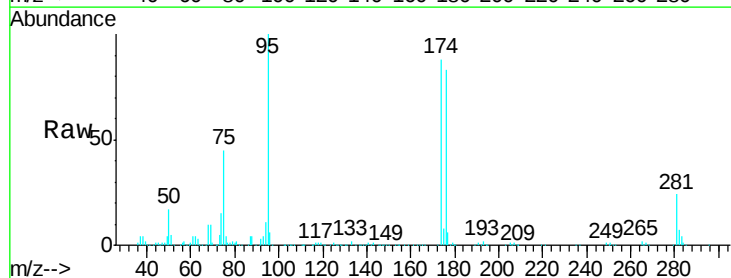
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

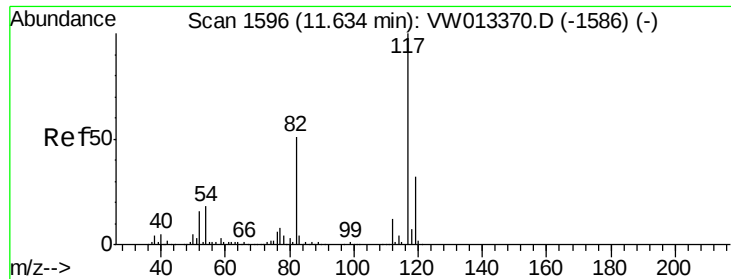
Tgt Ion: 107 Resp: 121030
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 60.277 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW013397.D
 Acq: 02 Oct 2019 23:49

Tgt Ion: 95 Resp: 215131
 Ion Ratio Lower Upper
 95 100
 174 90.8 0.0 178.4
 176 86.1 0.0 172.2

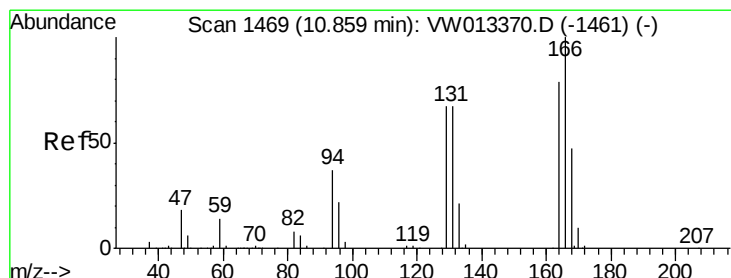
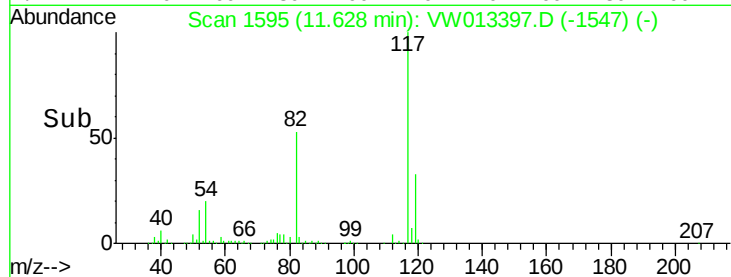
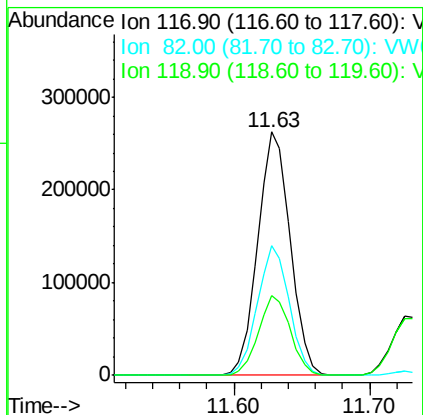
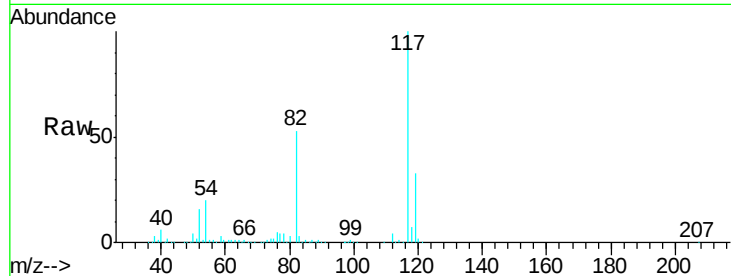




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013397.D
Acq: 02 Oct 2019 23:49

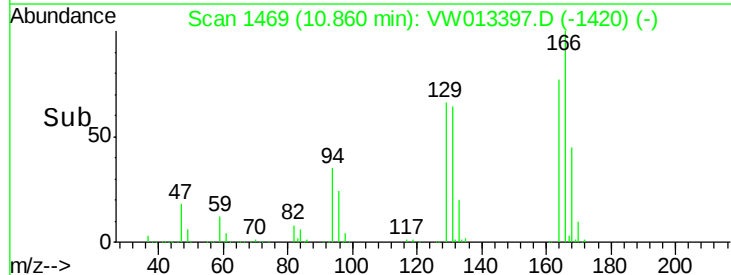
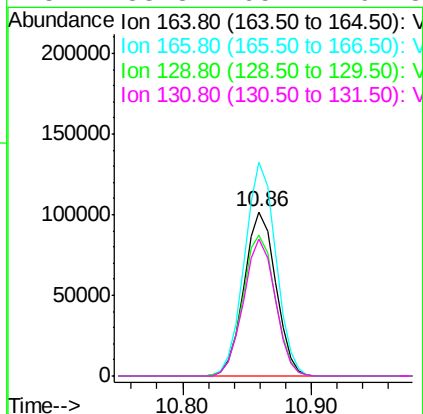
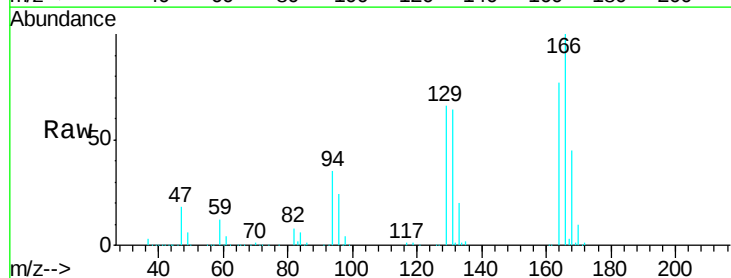
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

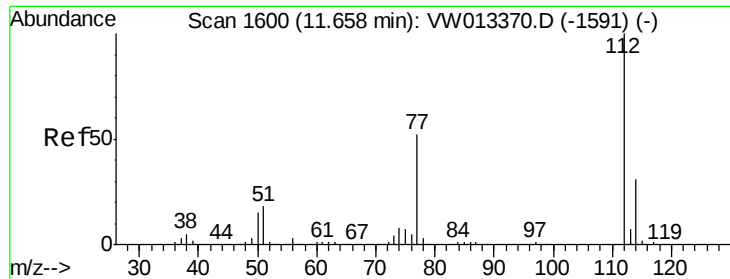
Tgt Ion:117 Resp: 440127
Ion Ratio Lower Upper
117 100
82 53.2 45.9 68.9
119 32.5 26.2 39.2



#64
Tetrachloroethene
Concen: 51.871 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013397.D
Acq: 02 Oct 2019 23:49

Tgt Ion:164 Resp: 173686
Ion Ratio Lower Upper
164 100
166 130.0 101.2 151.8
129 85.9 68.8 103.2
131 83.3 65.2 97.8

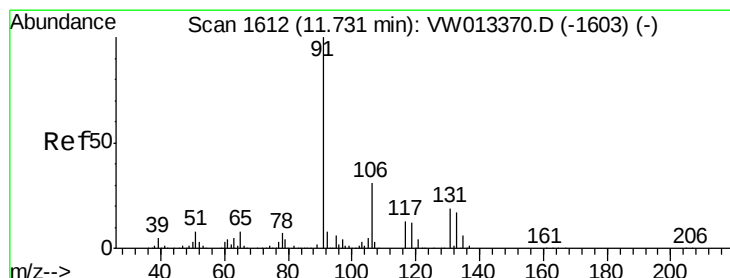
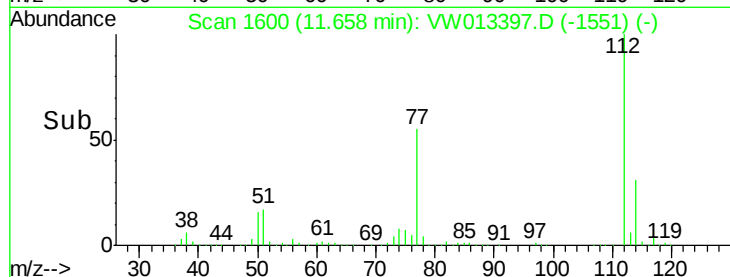
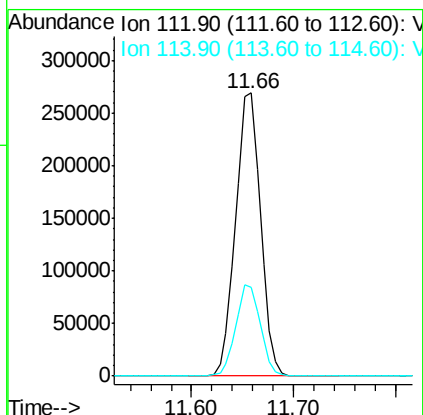
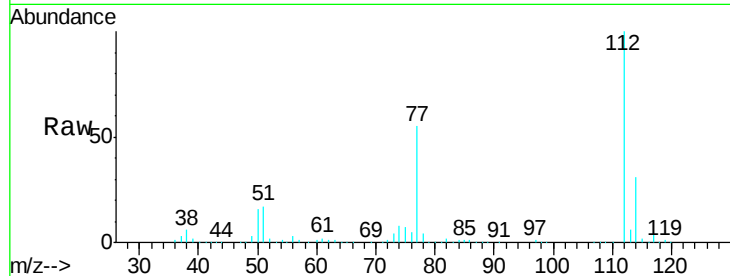




#65
Chlorobenzene
Concen: 50.382 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013397.D
Acq: 02 Oct 2019 23:49

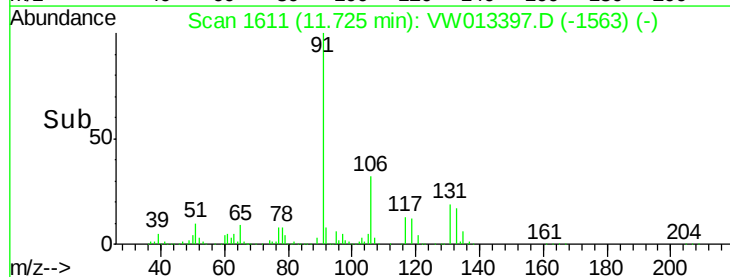
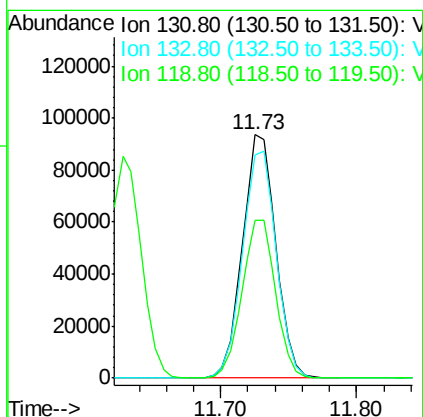
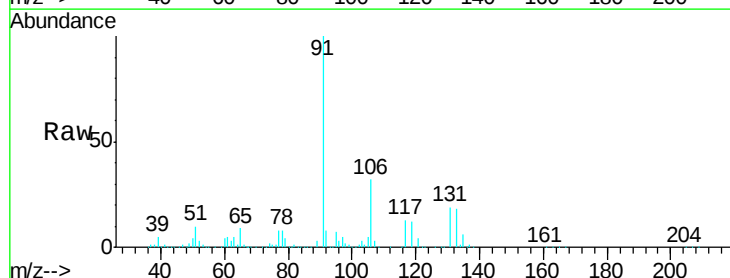
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

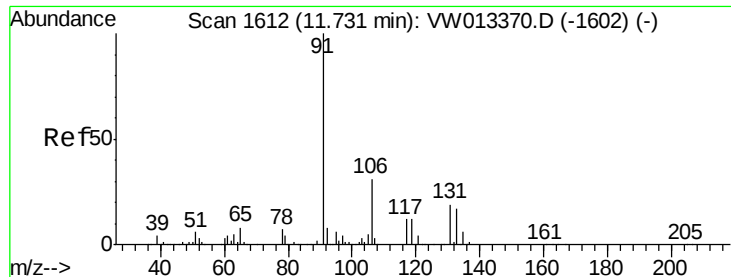
Tgt Ion:112 Resp: 454290
Ion Ratio Lower Upper
112 100
114 31.5 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 52.317 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW013397.D
Acq: 02 Oct 2019 23:49

Tgt Ion:131 Resp: 160670
Ion Ratio Lower Upper
131 100
133 94.7 47.5 142.6
119 65.2 32.5 97.5

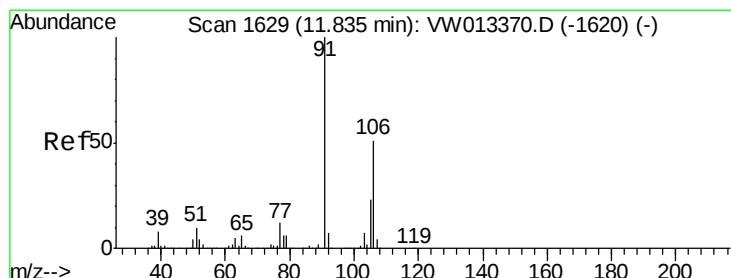
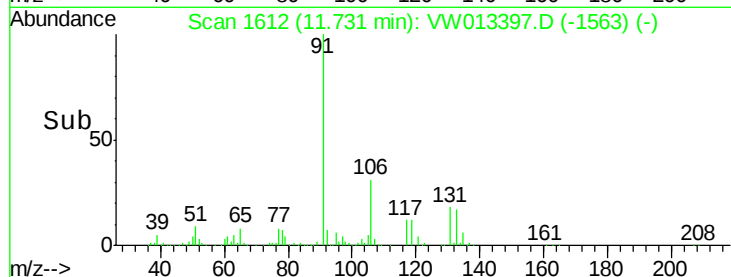
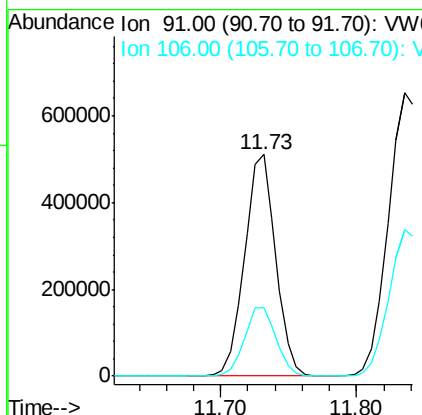
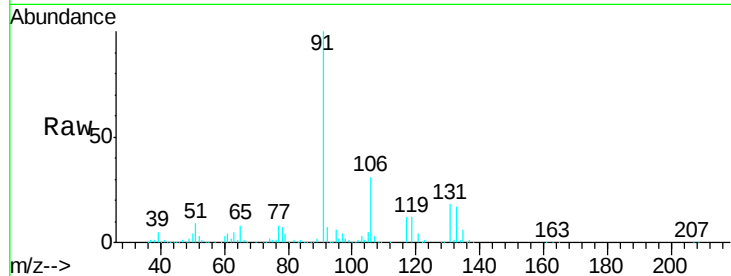




#67
Ethyl Benzene
Concen: 50.537 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013397.D
Acq: 02 Oct 2019 23:49

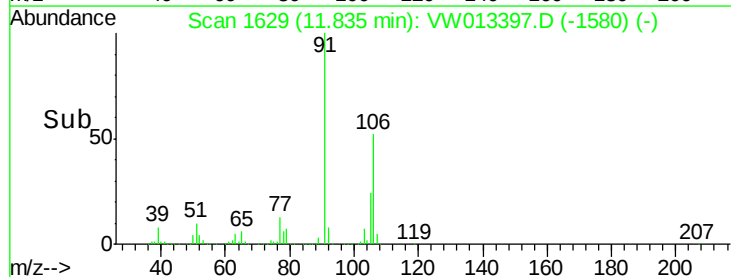
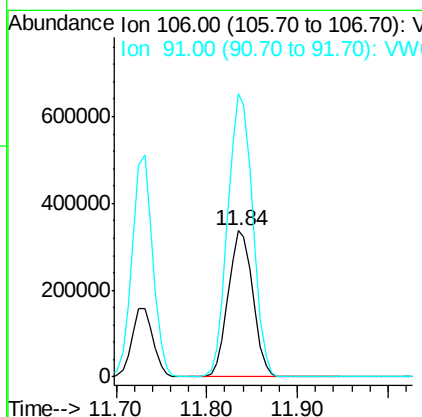
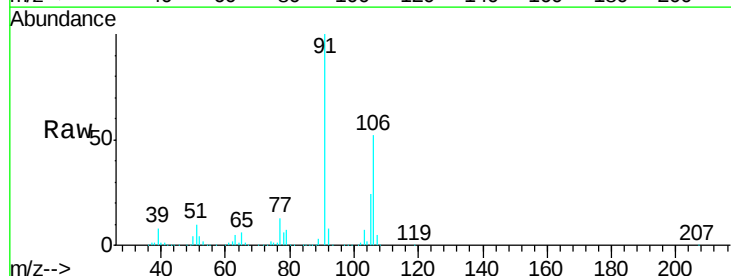
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

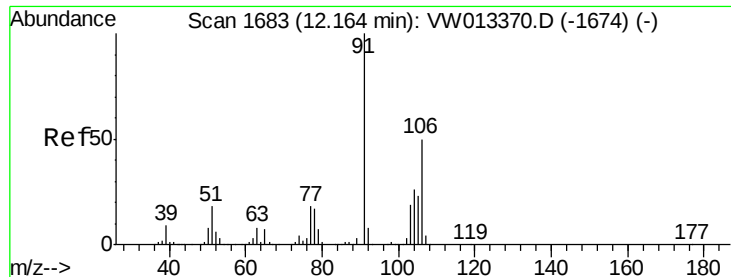
Tgt Ion: 91 Resp: 816697
Ion Ratio Lower Upper
91 100
106 31.1 24.9 37.3



#68
m/p-Xylenes
Concen: 101.584 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW013397.D
Acq: 02 Oct 2019 23:49

Tgt Ion: 106 Resp: 633658
Ion Ratio Lower Upper
106 100
91 196.1 157.9 236.9

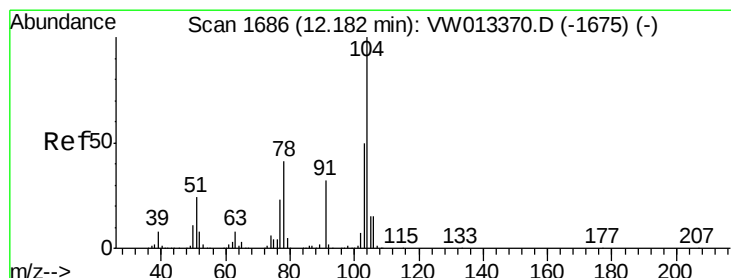
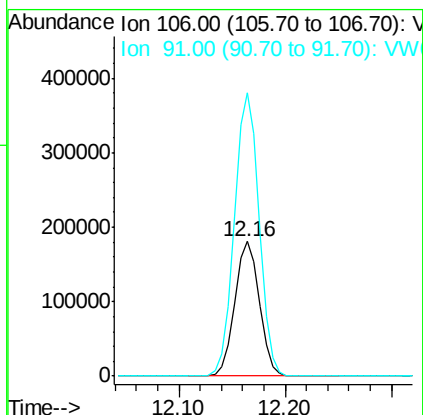
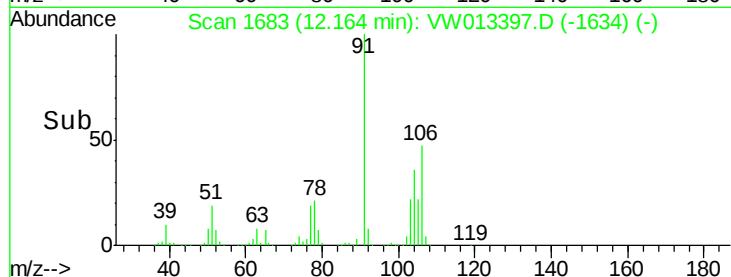
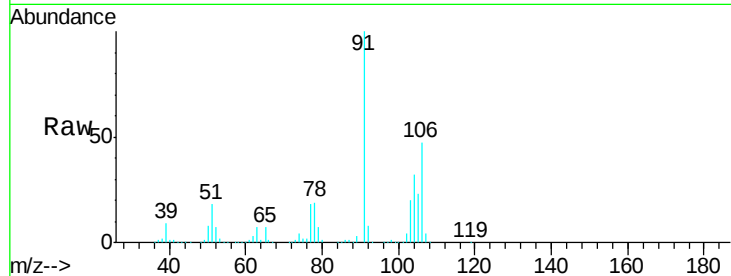




#69
o-Xylene
Concen: 50.906 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013397.D
Acq: 02 Oct 2019 23:49

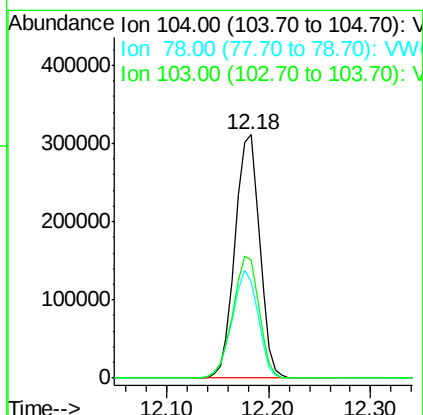
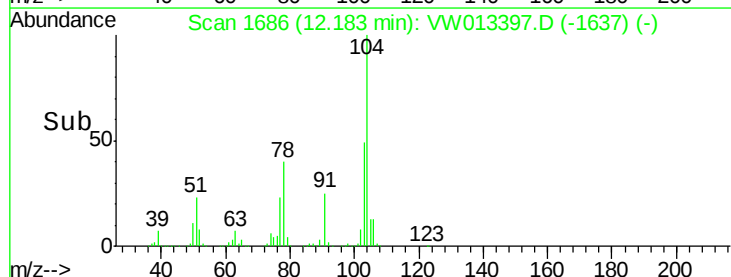
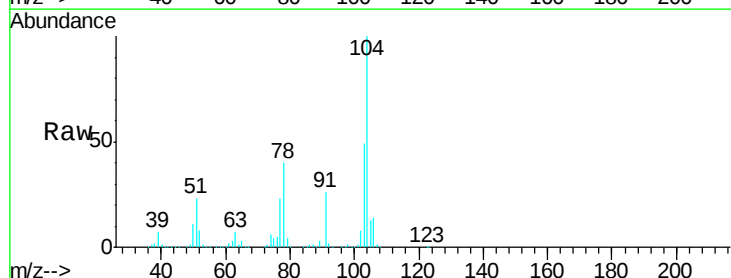
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

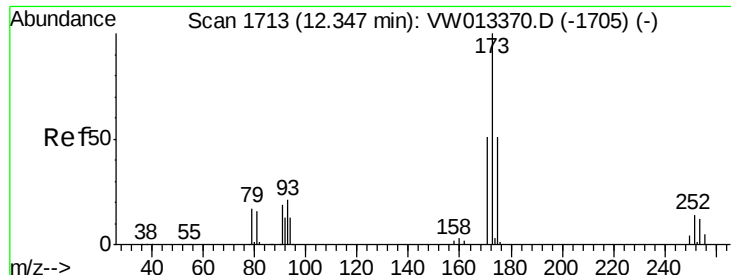
Tgt Ion:106 Resp: 293592
Ion Ratio Lower Upper
106 100
91 210.9 106.5 319.5



#70
Styrene
Concen: 52.518 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW013397.D
Acq: 02 Oct 2019 23:49

Tgt Ion:104 Resp: 517766
Ion Ratio Lower Upper
104 100
78 46.8 38.4 57.6
103 53.3 43.3 64.9





#71

Bromoform

Concen: 53.903 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW013397.D

Acq: 02 Oct 2019 23:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

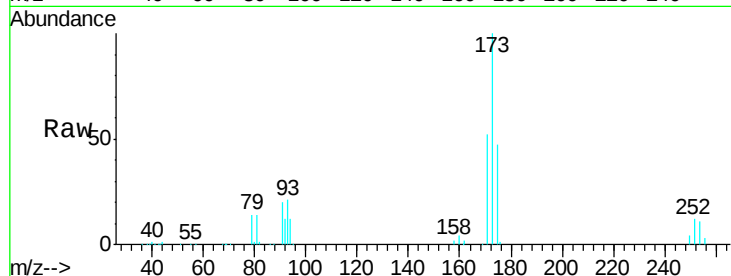
Tgt Ion:173 Resp: 89752

Ion Ratio Lower Upper

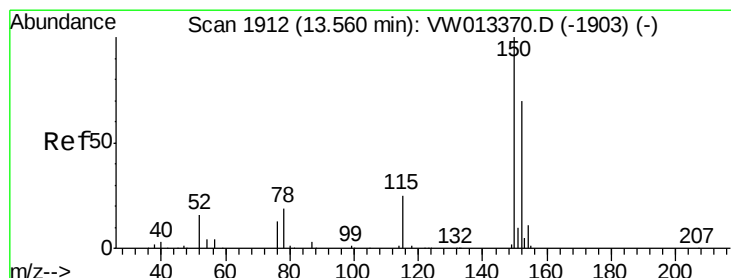
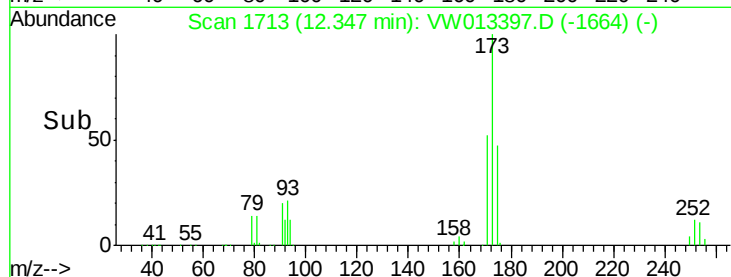
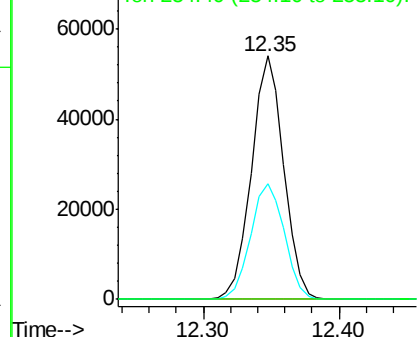
173 100

175 49.6 24.3 73.0

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW013397.D

Acq: 02 Oct 2019 23:49

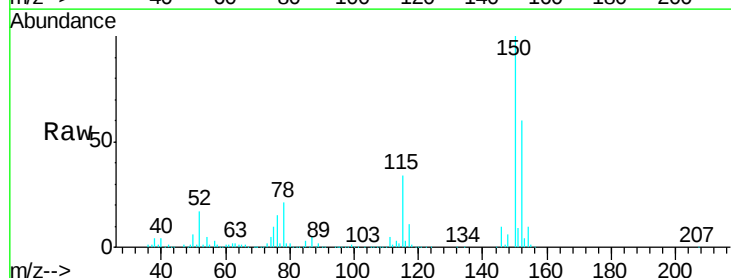
Tgt Ion:152 Resp: 224856

Ion Ratio Lower Upper

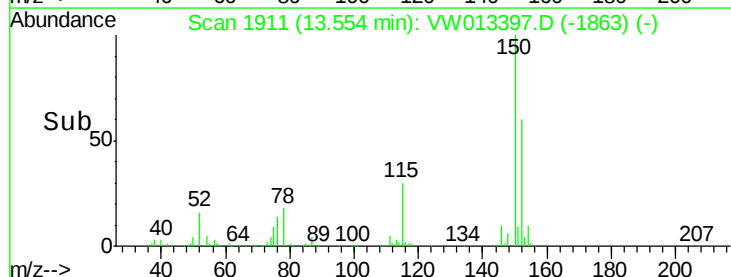
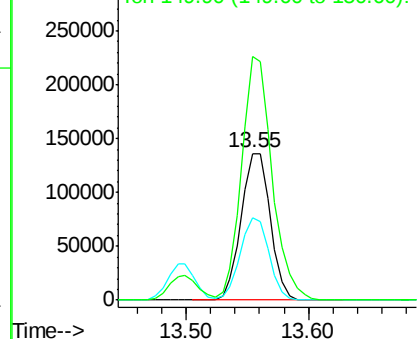
152 100

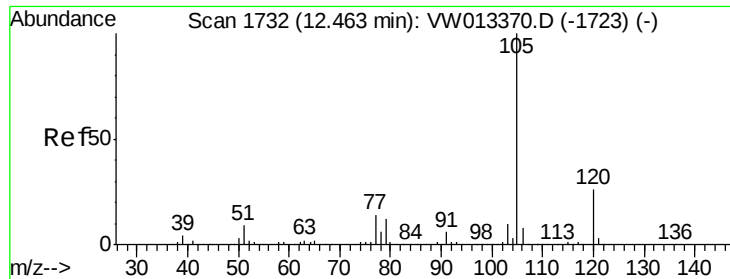
115 55.1 27.3 81.9

150 173.4 0.0 349.0



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: 49.214 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013397.D

Acq: 02 Oct 2019 23:49

Instrument :

MSVOA_W

ClientSampleId :

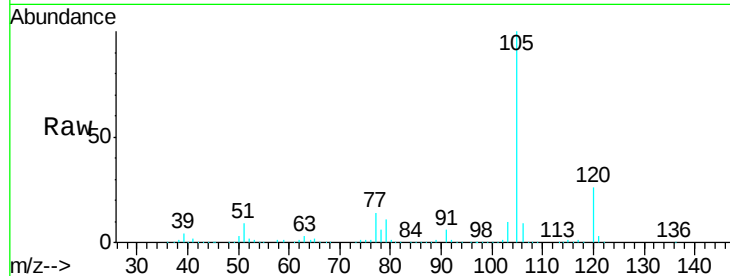
VSTDCCC050EC

Tgt Ion: 105 Resp: 809456

Ion Ratio Lower Upper

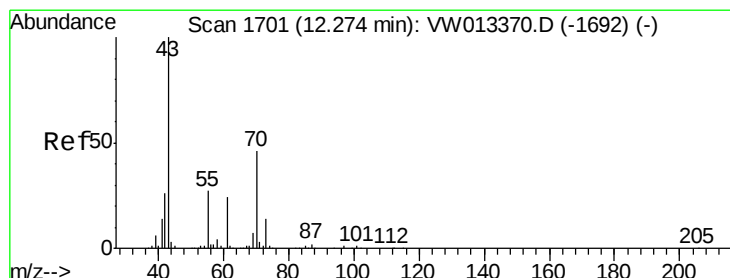
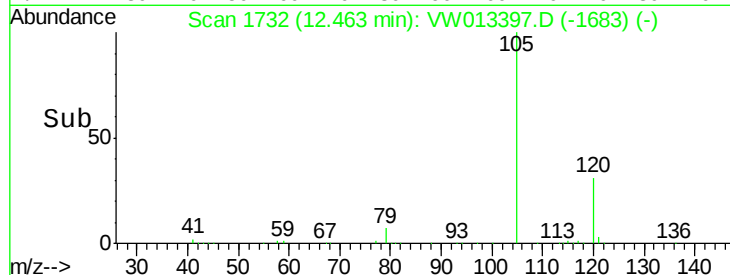
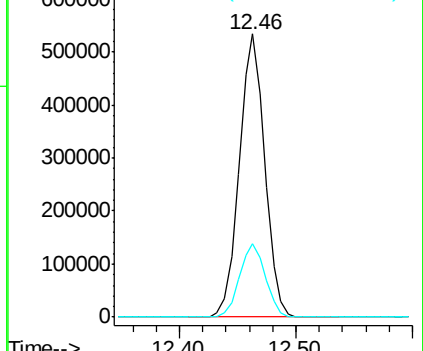
105 100

120 26.5 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 55.313 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW013397.D

Acq: 02 Oct 2019 23:49

Tgt Ion: 43 Resp: 193616

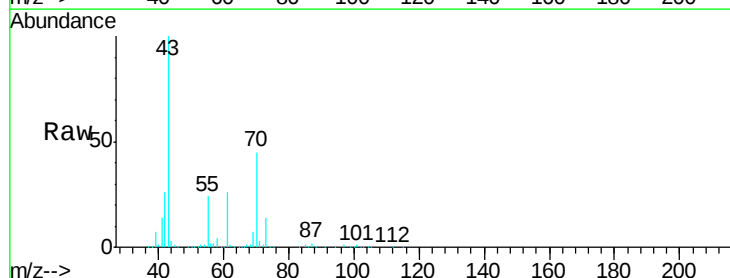
Ion Ratio Lower Upper

43 100

70 44.0 35.1 52.7

55 25.2 19.9 29.9

61 25.8 19.5 29.3

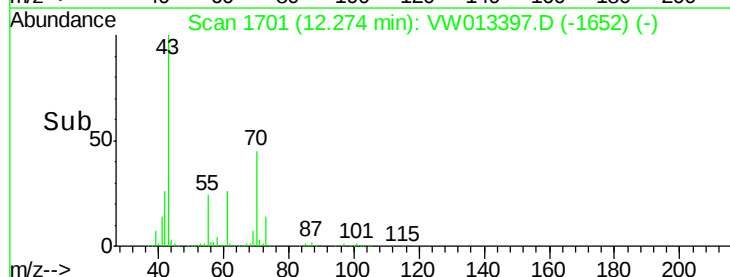
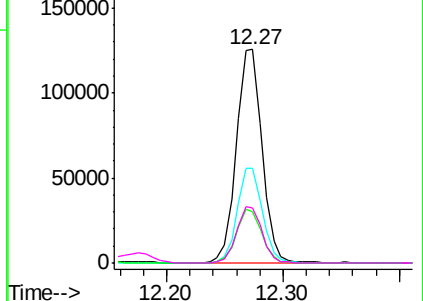


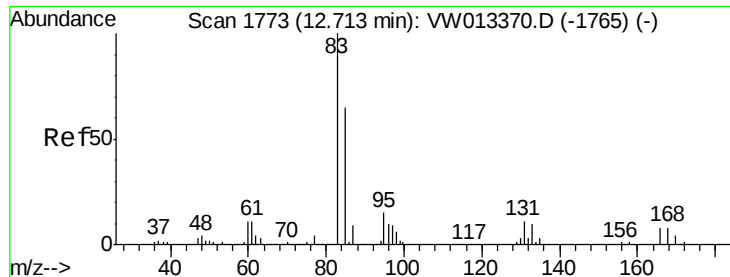
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 52.012 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013397.D

Acq: 02 Oct 2019 23:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

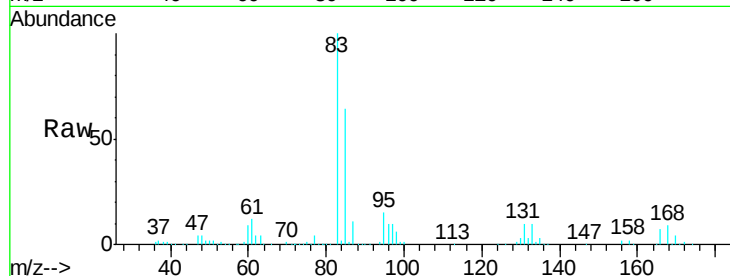
Tgt Ion: 83 Resp: 144795

Ion Ratio Lower Upper

83 100

131 10.8 5.4 16.2

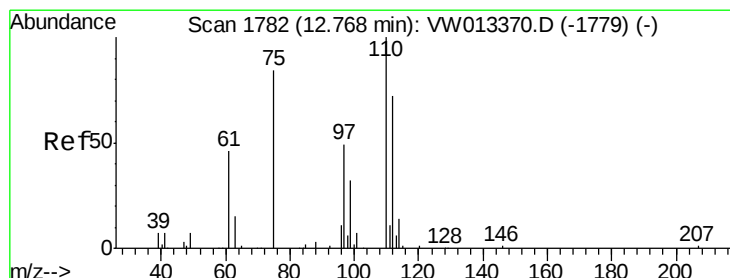
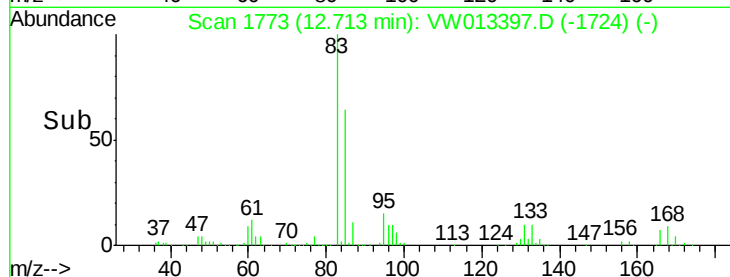
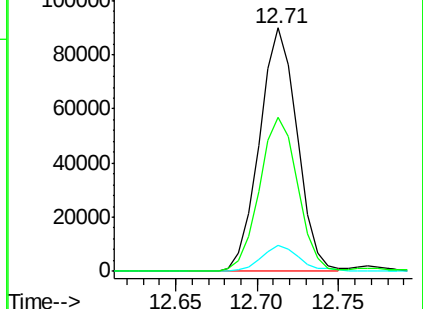
85 64.0 31.9 95.9



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: 90.188 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW013397.D

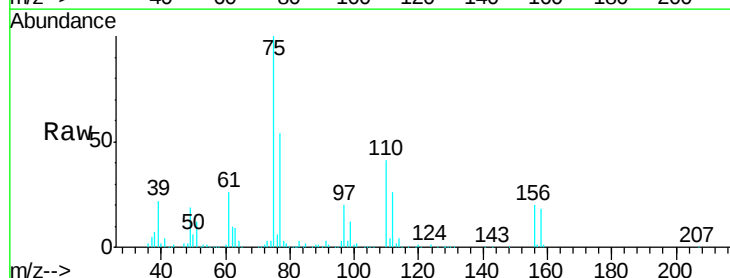
Acq: 02 Oct 2019 23:49

Tgt Ion: 75 Resp: 180236

Ion Ratio Lower Upper

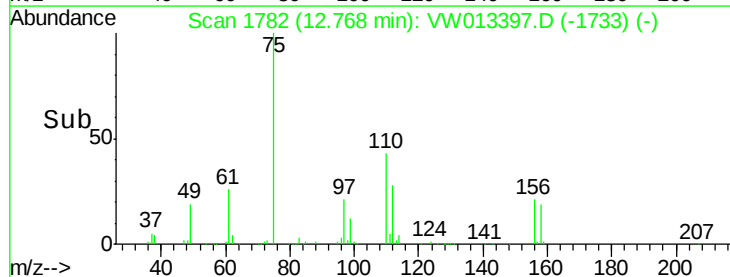
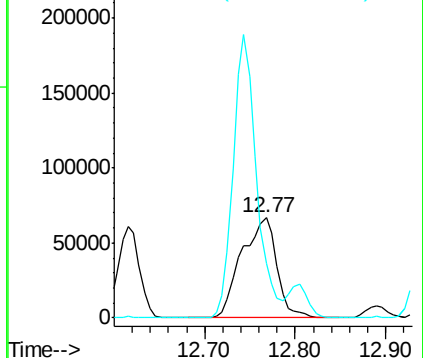
75 100

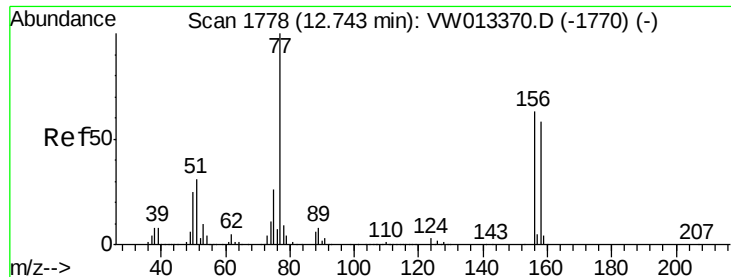
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 49.670 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW013397.D

Acq: 02 Oct 2019 23:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

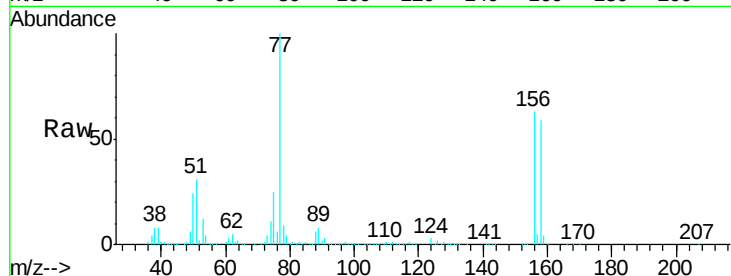
Tgt Ion:156 Resp: 196168

Ion Ratio Lower Upper

156 100

77 172.7 85.7 257.1

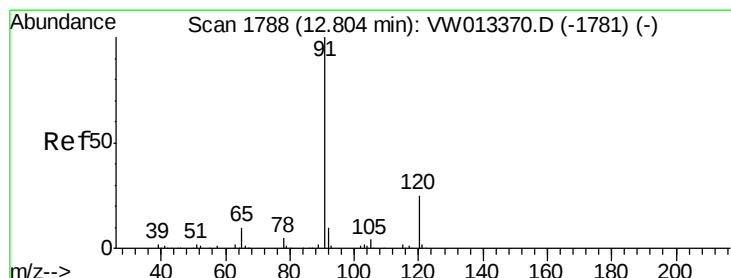
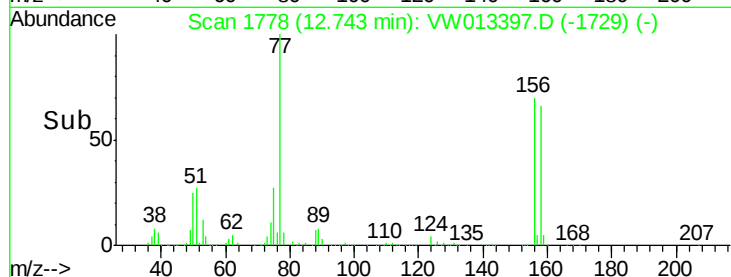
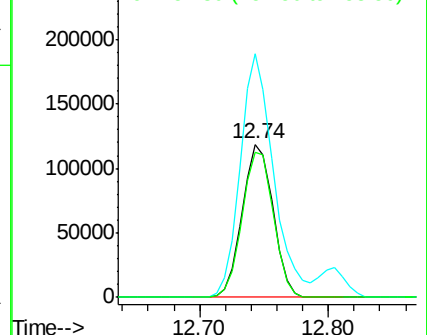
158 96.2 48.1 144.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.551 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW013397.D

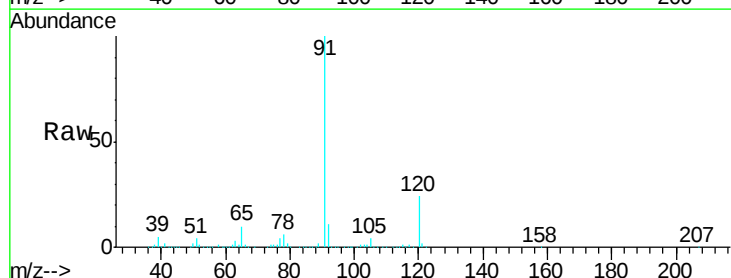
Acq: 02 Oct 2019 23:49

Tgt Ion: 91 Resp: 937488

Ion Ratio Lower Upper

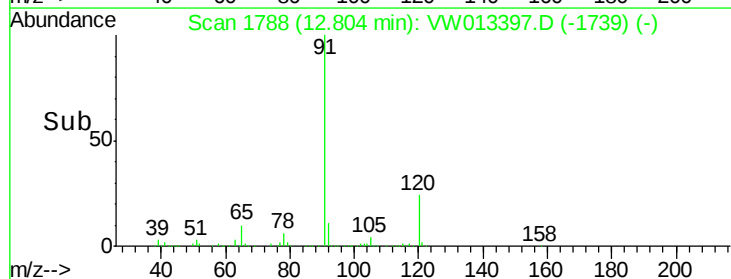
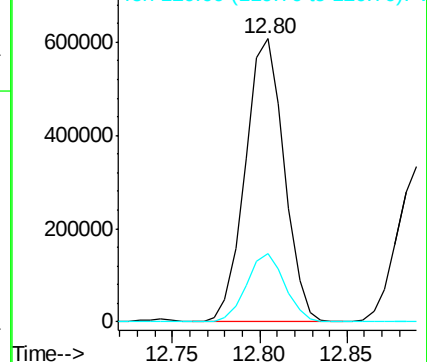
91 100

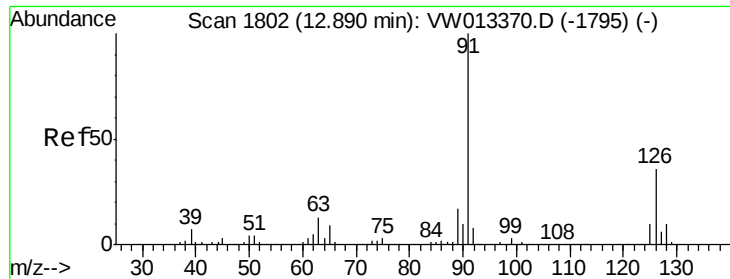
120 23.8 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.607 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW013397.D

Acq: 02 Oct 2019 23:49

Instrument :

MSVOA_W

ClientSampleId :

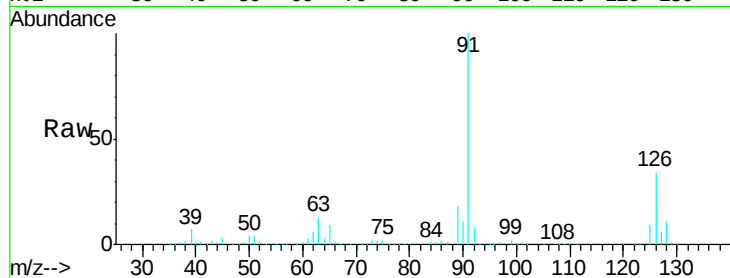
VSTDCCC050EC

Tgt Ion: 91 Resp: 531802

Ion Ratio Lower Upper

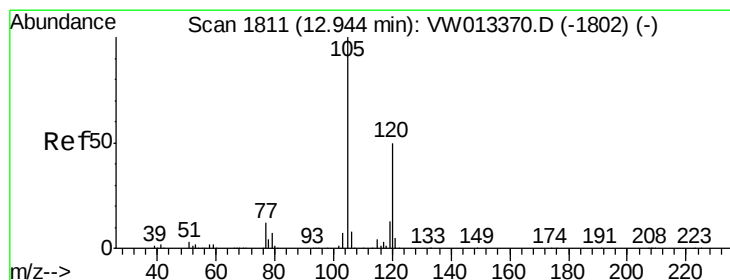
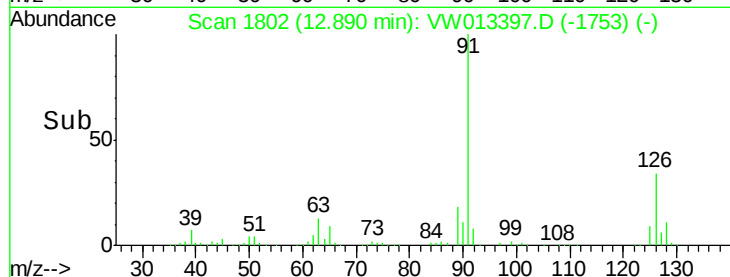
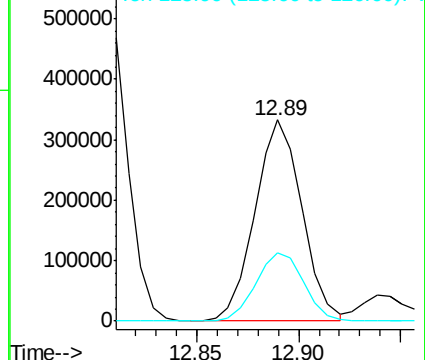
91 100

126 34.9 17.2 51.5



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: 50.000 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW013397.D

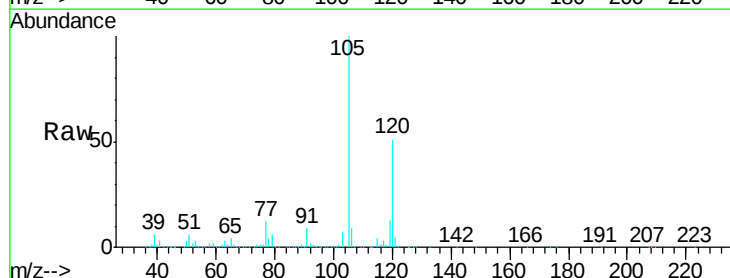
Acq: 02 Oct 2019 23:49

Tgt Ion: 105 Resp: 683153

Ion Ratio Lower Upper

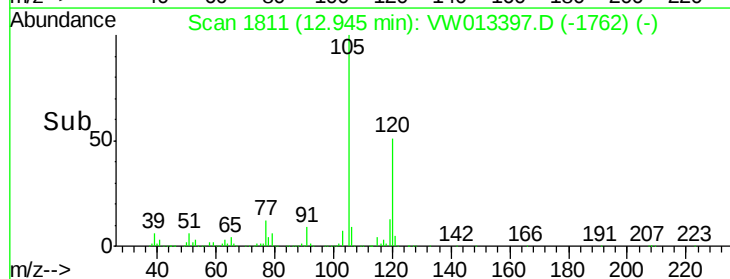
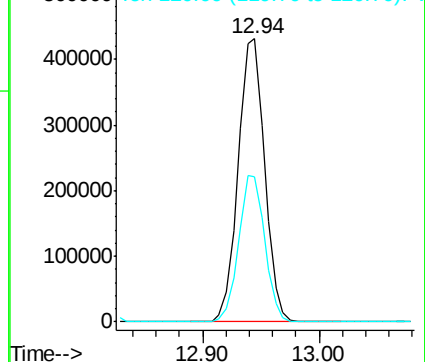
105 100

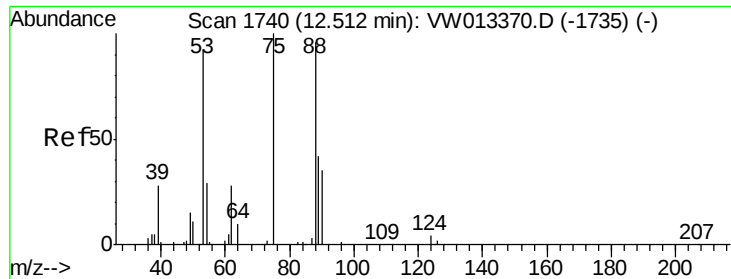
120 51.1 24.9 74.8



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: 48.885 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW013397.D

Acq: 02 Oct 2019 23:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

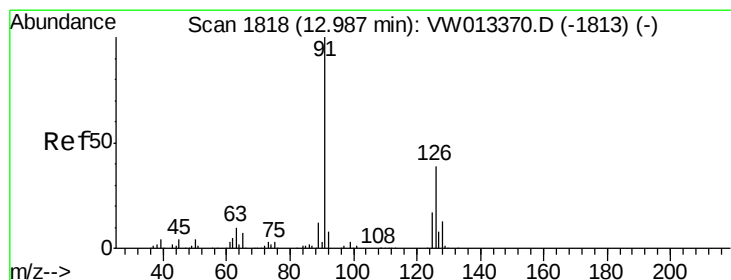
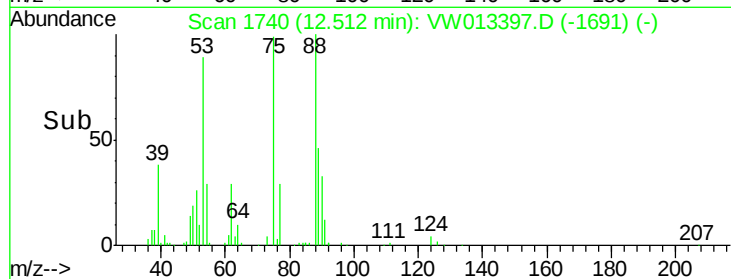
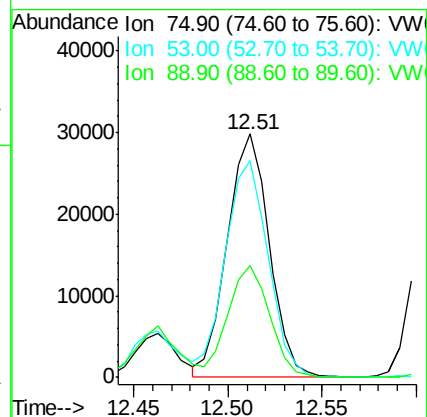
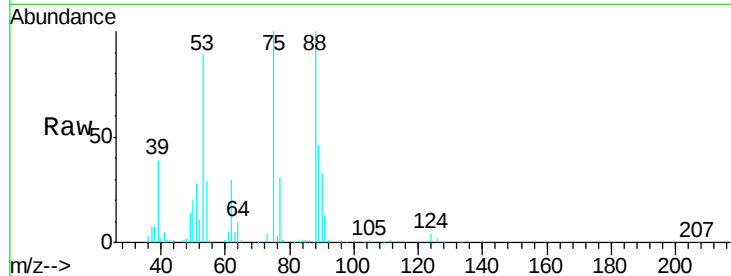
Tgt Ion: 75 Resp: 45845

Ion Ratio Lower Upper

75 100

53 91.8 76.6 114.8

89 45.5 33.5 50.3



#82

4-Chlorotoluene

Concen: 50.792 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW013397.D

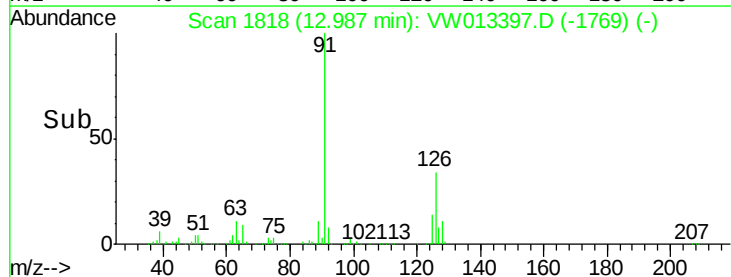
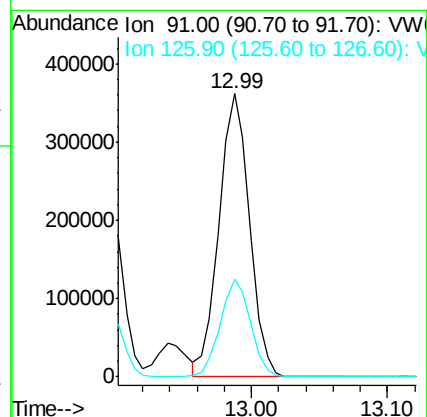
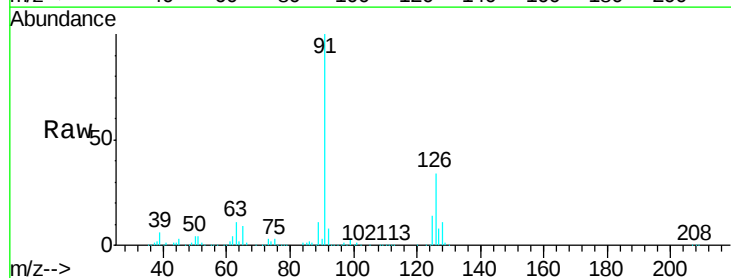
Acq: 02 Oct 2019 23:49

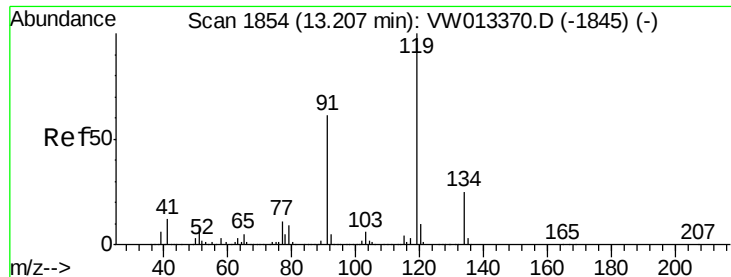
Tgt Ion: 91 Resp: 559114

Ion Ratio Lower Upper

91 100

126 34.3 17.3 51.7

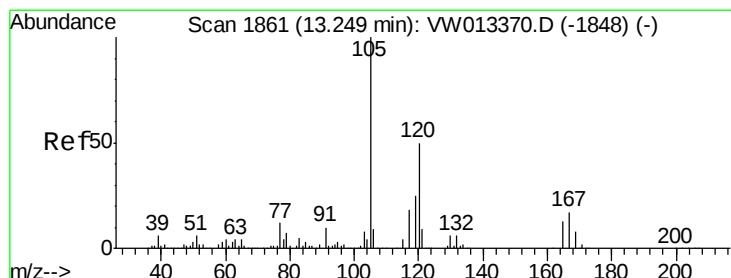
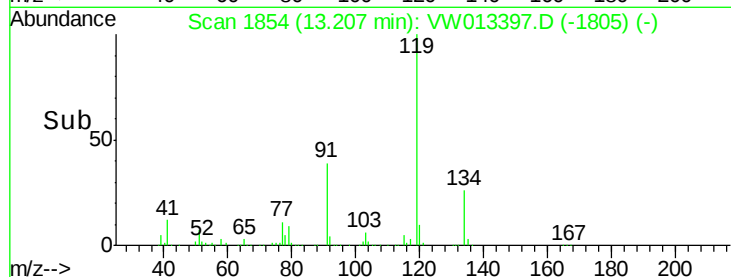
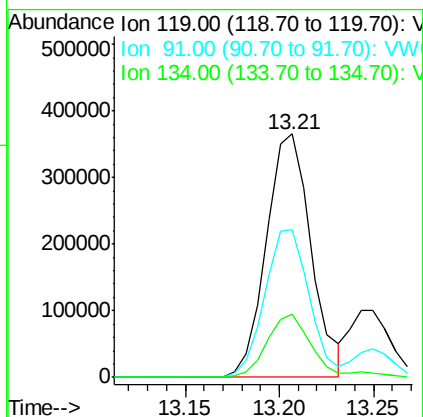
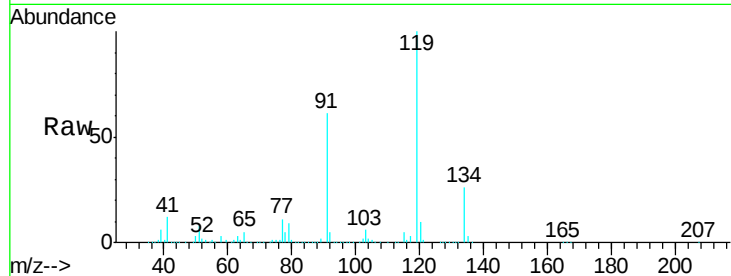




#83
tert-Butylbenzene
Concen: 50.575 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW013397.D
Acq: 02 Oct 2019 23:49

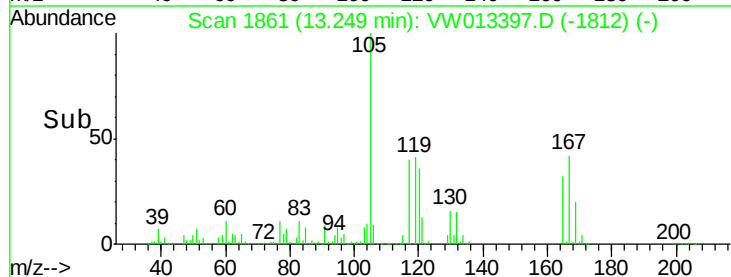
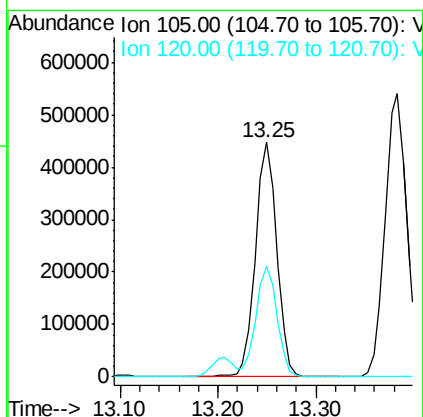
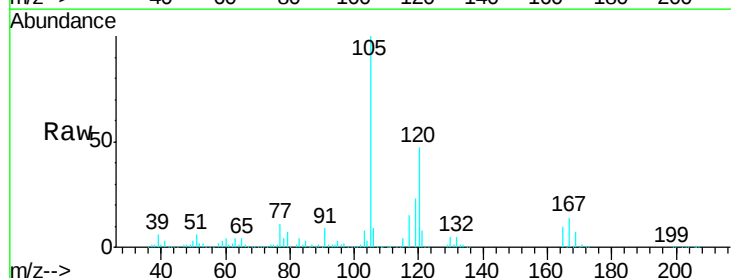
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

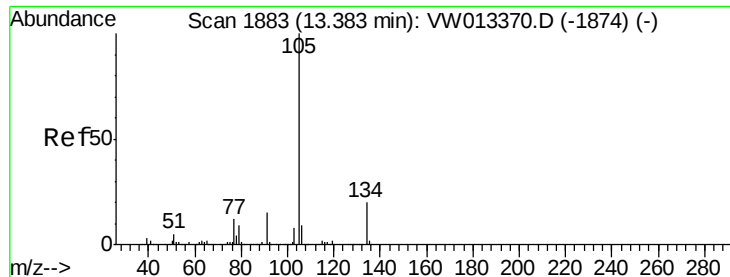
Tgt Ion:119 Resp: 603569
Ion Ratio Lower Upper
119 100
91 60.1 30.7 92.1
134 24.9 12.6 37.6



#84
1,2,4-Trimethylbenzene
Concen: 50.273 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW013397.D
Acq: 02 Oct 2019 23:49

Tgt Ion:105 Resp: 682833
Ion Ratio Lower Upper
105 100
120 47.0 23.4 70.3

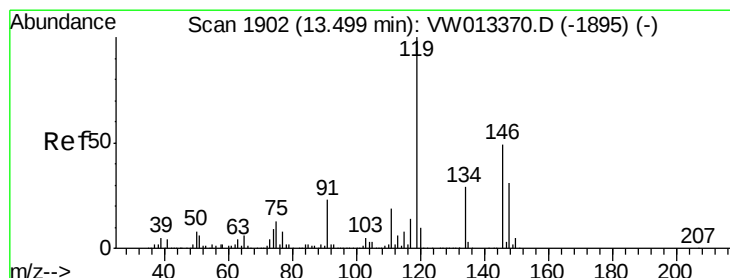
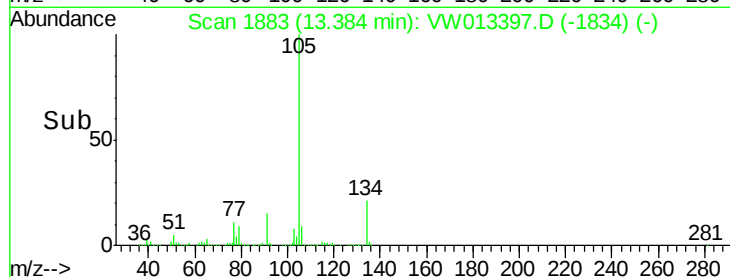
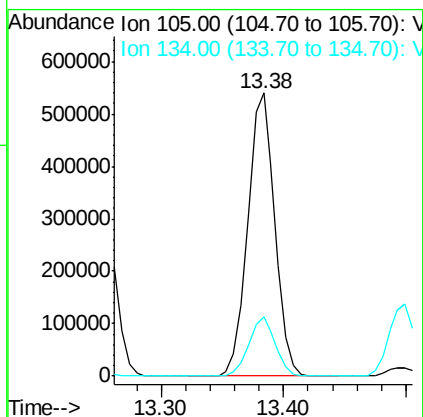
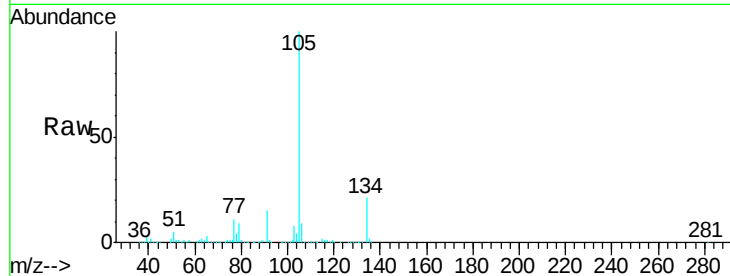




#85
 sec-Butylbenzene
 Concen: 50.263 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW013397.D
 Acq: 02 Oct 2019 23:49

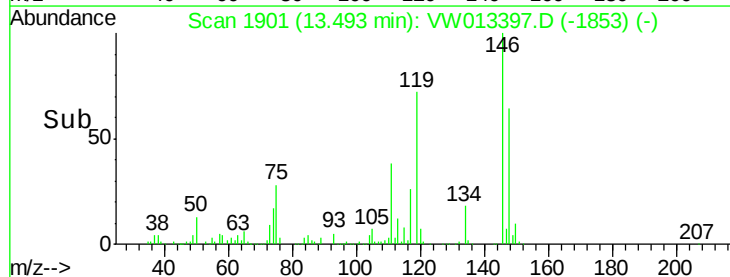
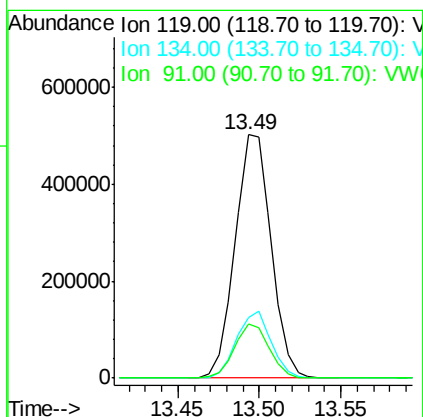
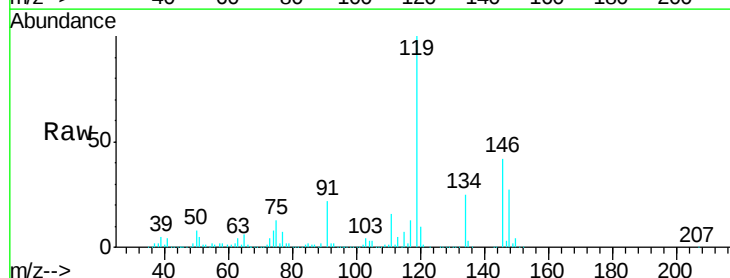
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

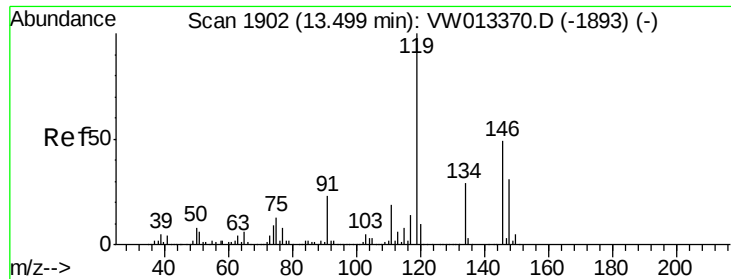
Tgt Ion:105 Resp: 827032
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 50.592 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.01 min
 Lab File: VW013397.D
 Acq: 02 Oct 2019 23:49

Tgt Ion:119 Resp: 771465
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.3 39.8
 91 21.4 10.8 32.4

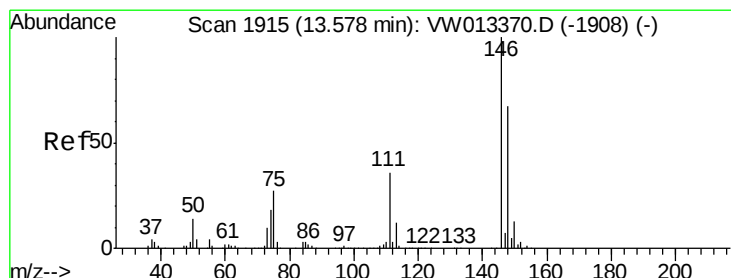
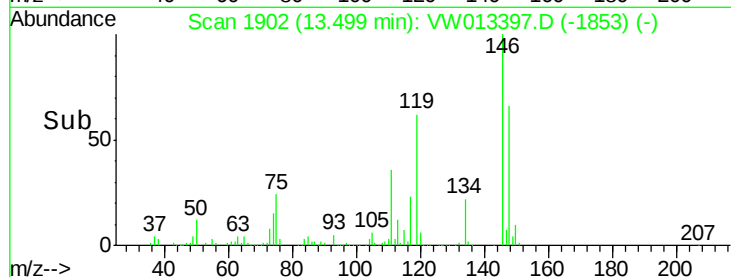
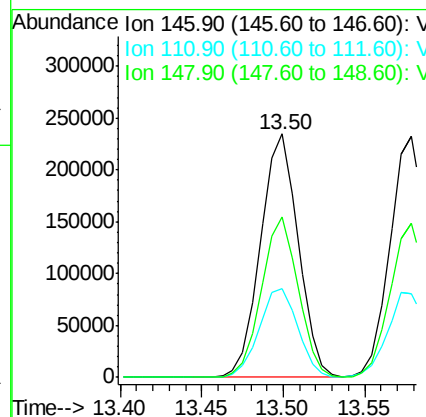
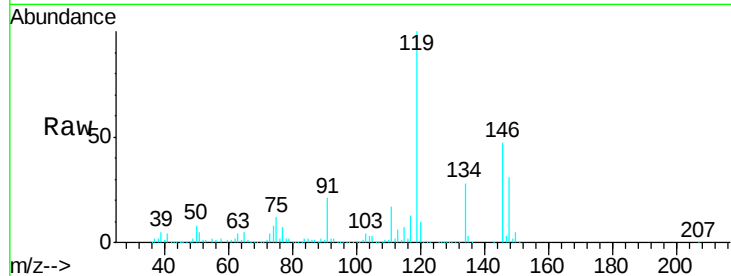




#87
 1,3-Dichlorobenzene
 Concen: 50.689 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013397.D
 Acq: 02 Oct 2019 23:49

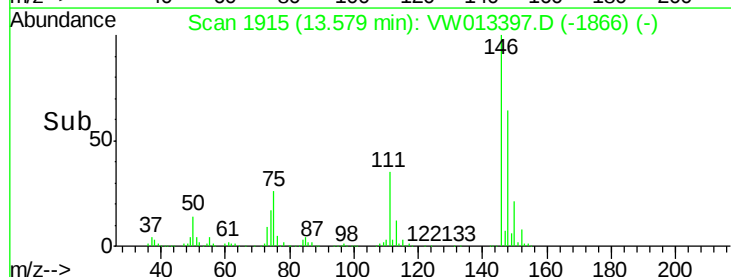
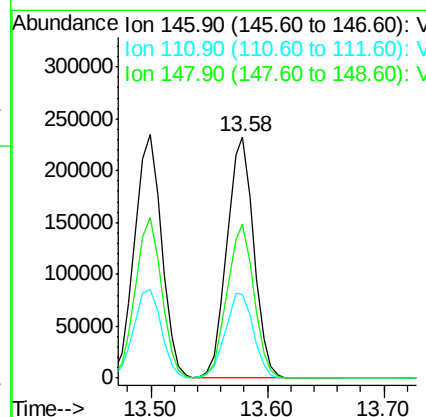
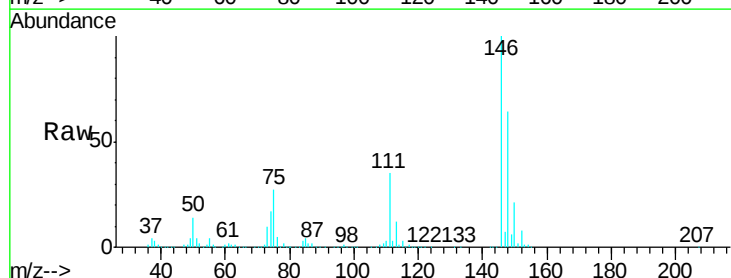
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

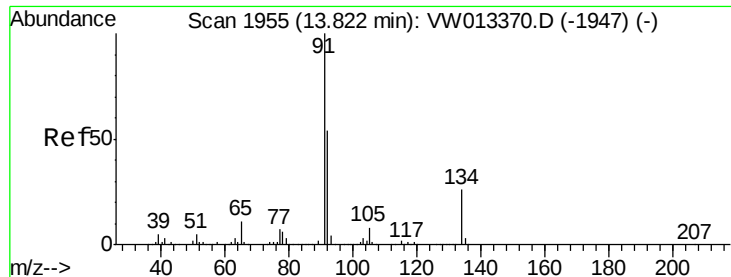
Tgt Ion:146 Resp: 376631
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.9 56.9
 148 64.1 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 49.773 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013397.D
 Acq: 02 Oct 2019 23:49

Tgt Ion:146 Resp: 370293
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.4 55.0
 148 63.7 32.1 96.3





#89

n-Butylbenzene

Concen: 50.641 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW013397.D

Acq: 02 Oct 2019 23:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

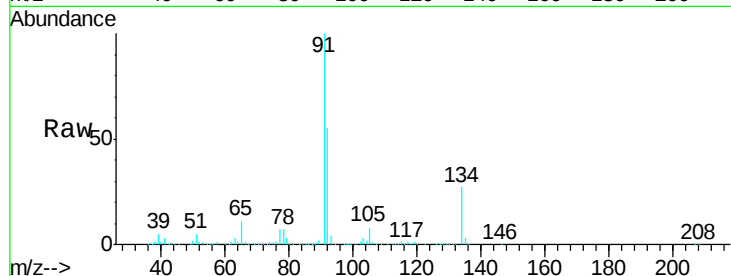
Tgt Ion: 91 Resp: 696192

Ion Ratio Lower Upper

91 100

92 55.1 27.6 82.8

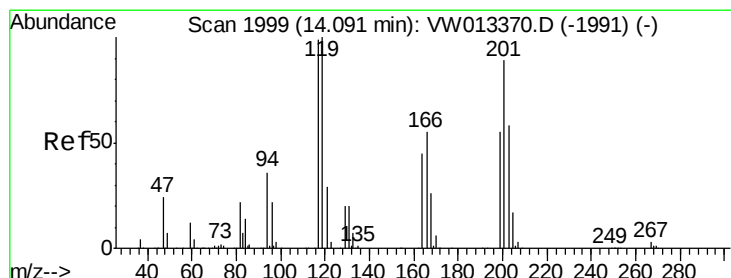
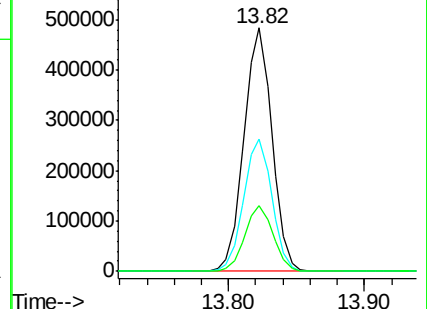
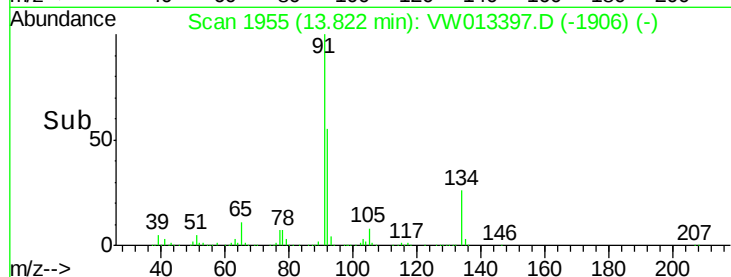
134 27.3 13.7 41.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 51.112 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW013397.D

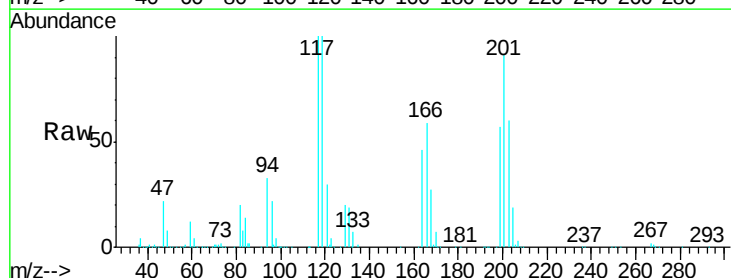
Acq: 02 Oct 2019 23:49

Tgt Ion: 117 Resp: 128766

Ion Ratio Lower Upper

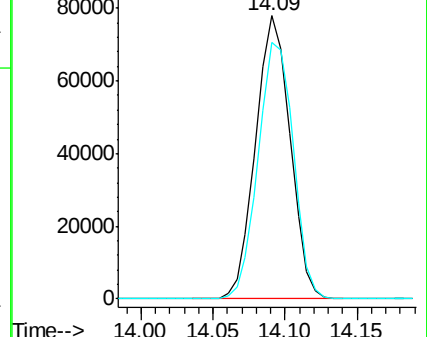
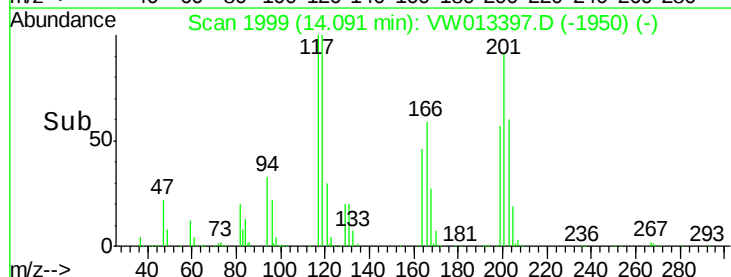
117 100

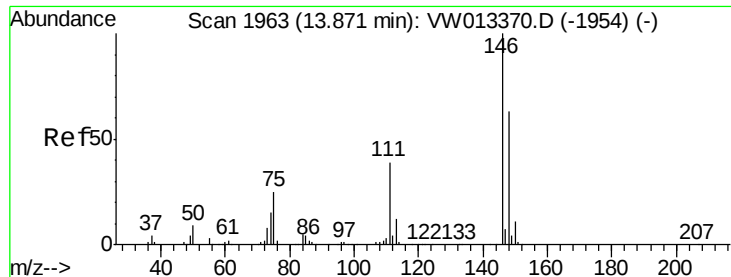
201 92.5 44.5 133.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 50.987 ug/l

RT: 13.87 min Scan# 1962

Delta R.T. -0.01 min

Lab File: VW013397.D

Acq: 02 Oct 2019 23:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

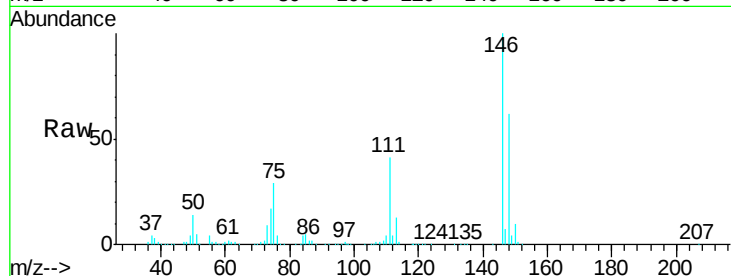
Tgt Ion:146 Resp: 334902

Ion Ratio Lower Upper

146 100

111 39.7 20.1 60.3

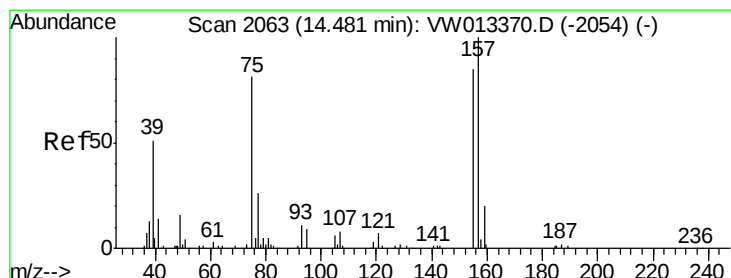
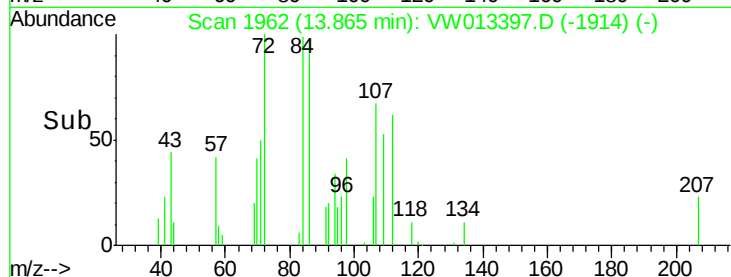
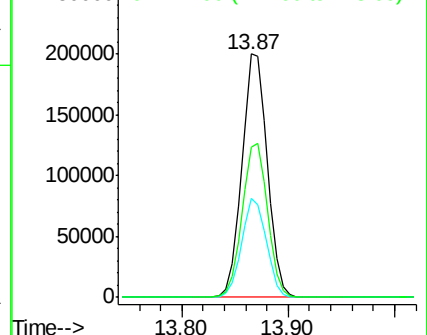
148 63.3 32.0 96.0



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: 55.804 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.01 min

Lab File: VW013397.D

Acq: 02 Oct 2019 23:49

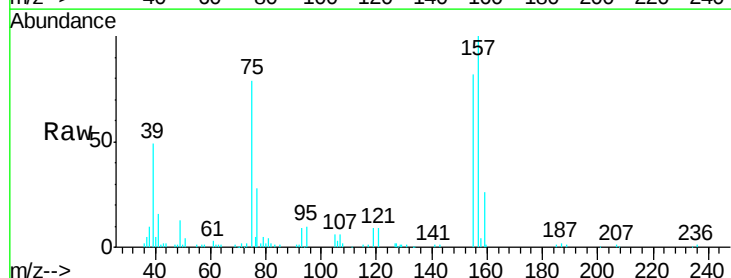
Tgt Ion: 75 Resp: 23237

Ion Ratio Lower Upper

75 100

155 99.8 46.1 138.3

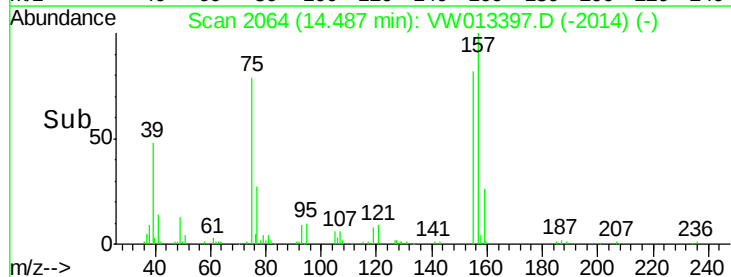
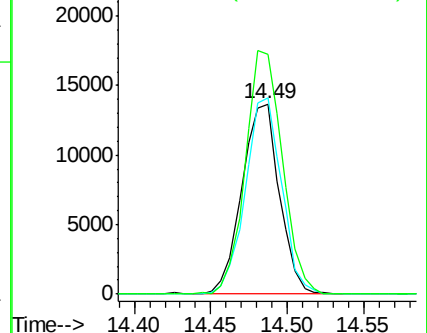
157 126.8 60.4 181.2

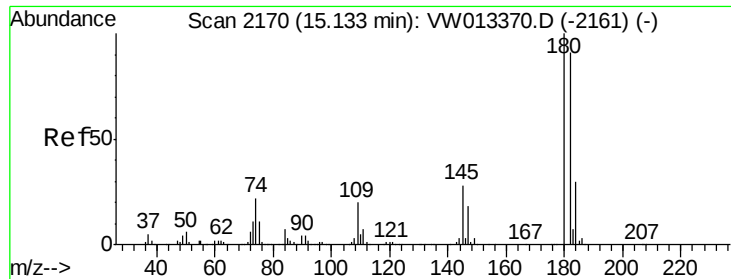


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

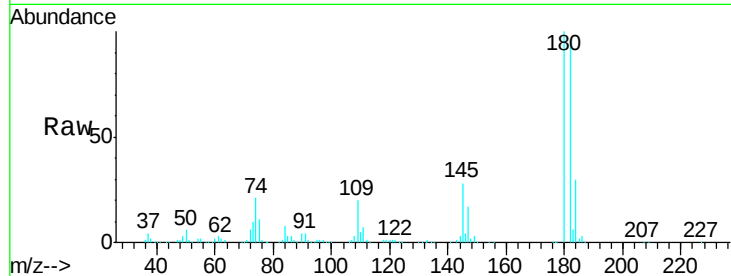




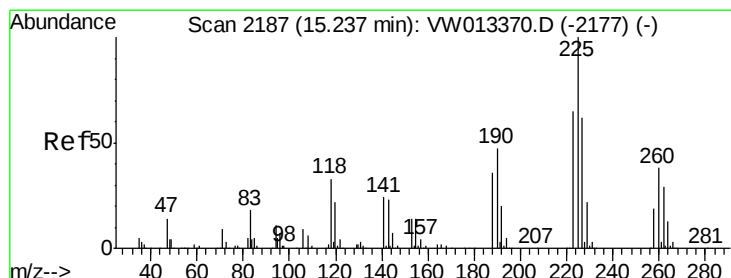
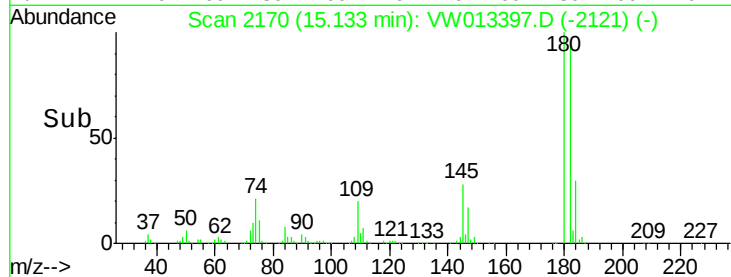
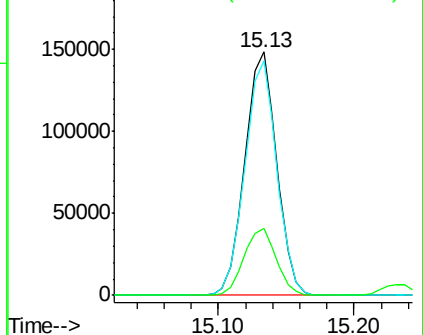
#93
 1,2,4-Trichlorobenzene
 Concen: 51.676 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013397.D
 Acq: 02 Oct 2019 23:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:180 Resp: 243593
 Ion Ratio Lower Upper
 180 100
 182 96.4 47.3 142.0
 145 27.9 14.2 42.8

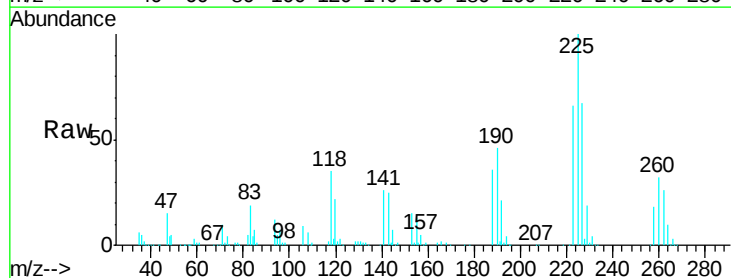


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

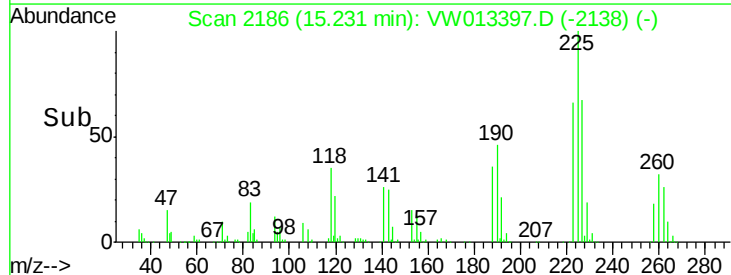
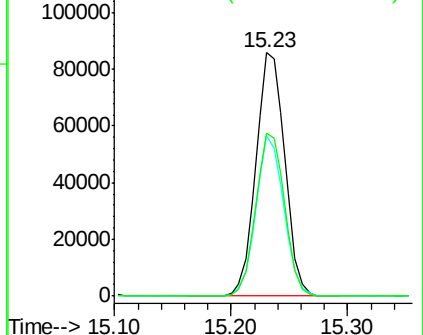


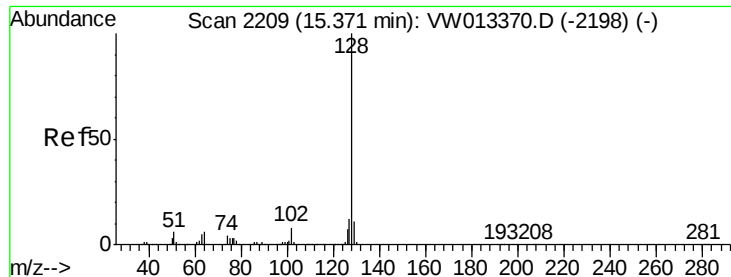
#94
 Hexachlorobutadiene
 Concen: 48.443 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW013397.D
 Acq: 02 Oct 2019 23:49

Tgt Ion:225 Resp: 148338
 Ion Ratio Lower Upper
 225 100
 223 63.6 30.6 91.8
 227 66.6 31.9 95.9



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

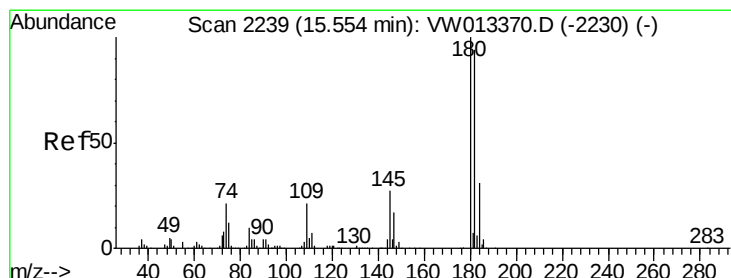
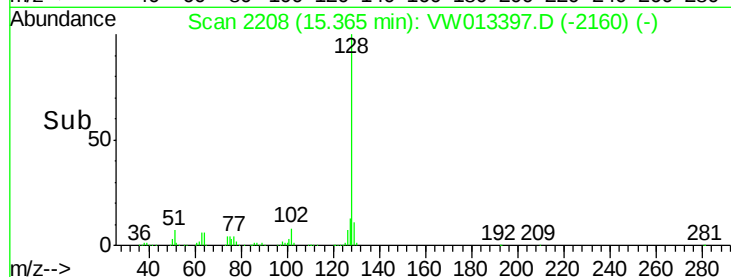
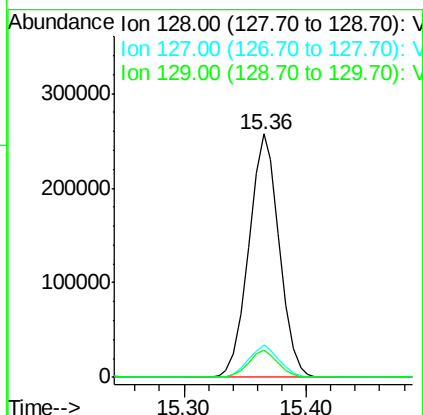
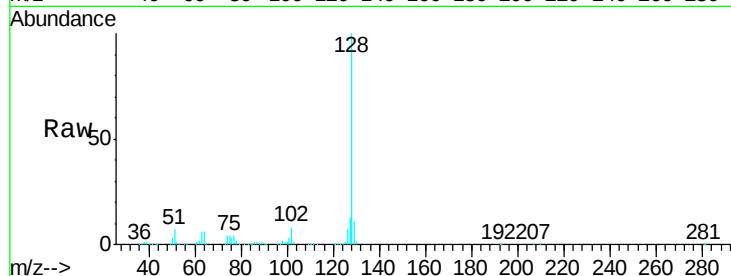




#95
Naphthalene
Concen: 55.902 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW013397.D
Acq: 02 Oct 2019 23:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 444520
Ion Ratio Lower Upper
128 100
127 13.2 10.6 15.8
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 52.490 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW013397.D
Acq: 02 Oct 2019 23:49

Tgt Ion:180 Resp: 216031
Ion Ratio Lower Upper
180 100
182 93.6 47.9 143.7
145 29.4 15.0 45.0

