

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090519\
 Data File : VW012657.D
 Acq On : 05 Sep 2019 22:20
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 06 08:00:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	216476	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	338034	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	283398	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	147675	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	136765	53.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.30%	
35) Dibromofluoromethane	7.88	113	109116	54.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.16%	
50) Toluene-d8	10.32	98	388682	47.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.02%	
62) 4-Bromofluorobenzene	12.62	95	151370	52.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.98%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.01	85	66314	49.751	ug/l 99
3) Chloromethane	2.21	50	89297	43.241	ug/l 96
4) Vinyl Chloride	2.35	62	107759	42.633	ug/l 97
5) Bromomethane	2.77	94	62461	48.795	ug/l 96
6) Chloroethane	2.92	64	65567	45.984	ug/l 94
7) Trichlorofluoromethane	3.25	101	66459	52.364	ug/l 99
8) Diethyl Ether	3.68	74	69267	57.498	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	116384	53.948	ug/l 97
10) Methyl Iodide	4.26	142	167526	57.393	ug/l 100
11) Tert butyl alcohol	5.19	59	49218	317.814	ug/l 97
12) 1,1-Dichloroethene	4.04	96	114371	52.673	ug/l 97
13) Acrolein	3.89	56	40929	280.765	ug/l 100
14) Allyl chloride	4.66	41	247582	53.335	ug/l 98
15) Acrylonitrile	5.37	53	183774	307.770	ug/l 100
16) Acetone	4.13	43	168038	255.452	ug/l 98
17) Carbon Disulfide	4.38	76	308808	47.058	ug/l 98
18) Methyl Acetate	4.67	43	113254	69.512	ug/l 100
19) Methyl tert-butyl Ether	5.42	73	230497	65.642	ug/l 99
20) Methylene Chloride	4.92	84	136017	54.696	ug/l 97
21) trans-1,2-Dichloroethene	5.42	96	126730	54.427	ug/l 96
22) Diisopropyl ether	6.31	45	493556	57.361	ug/l 98
23) Vinyl Acetate	6.25	43	1541220	291.053	ug/l 99
24) 1,1-Dichloroethane	6.21	63	267975	57.199	ug/l 100
25) 2-Butanone	7.17	43	252948	282.976	ug/l 96
26) 2,2-Dichloropropane	7.17	77	145852	55.002	ug/l 100
27) cis-1,2-Dichloroethene	7.17	96	144341	58.021	ug/l 100
28) Bromochloromethane	7.51	49	110496	54.113	ug/l 93
29) Tetrahydrofuran	7.53	42	163199	304.309	ug/l 97
30) Chloroform	7.67	83	253780	59.208	ug/l 98
31) Cyclohexane	7.95	56	215847	46.567	ug/l 99
32) 1,1,1-Trichloroethane	7.87	97	199619	58.871	ug/l 99
36) 1,1-Dichloropropene	8.08	75	193857	55.496	ug/l 99
37) Ethyl Acetate	7.25	43	116031	60.615	ug/l 98
38) Carbon Tetrachloride	8.07	117	180844	59.814	ug/l 96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	191905	48.901	ug/l	98
40) Benzene	8.32	78	547355	57.384	ug/l	99
41) Methacrylonitrile	7.48	41	72328	64.289	ug/l	100
42) 1,2-Dichloroethane	8.40	62	188892	63.187	ug/l	99
43) Isopropyl Acetate	8.42	43	220692	62.242	ug/l	99
44) Trichloroethene	9.09	130	133286	57.482	ug/l	93
45) 1,2-Dichloropropane	9.37	63	138535	53.966	ug/l	98
46) Dibromomethane	9.46	93	69438	60.795	ug/l	97
47) Bromodichloromethane	9.64	83	172138	56.628	ug/l	98
48) Methyl methacrylate	9.43	41	105160	62.314	ug/l	97
49) 1,4-Dioxane	9.46	88	20867	1193.405	ug/l #	75
51) 4-Methyl-2-Pentanone	10.21	43	536288	297.365	ug/l	100
52) Toluene	10.38	92	324153	56.570	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	188105	60.750	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	213816	57.189	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	93346	57.763	ug/l	99
56) Ethyl methacrylate	10.65	69	147822	62.850	ug/l	100
57) 1,3-Dichloropropane	10.93	76	175537	57.481	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	323689	268.158	ug/l	99
59) 2-Hexanone	10.97	43	365842	286.695	ug/l	100
60) Dibromochloromethane	11.13	129	108406	60.227	ug/l	99
61) 1,2-Dibromoethane	11.23	107	86299	57.322	ug/l	99
64) Tetrachloroethene	10.86	164	111265	60.557	ug/l	93
65) Chlorobenzene	11.65	112	326013	58.422	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	123608	63.494	ug/l	99
67) Ethyl Benzene	11.73	91	628329	58.451	ug/l	98
68) m/p-Xylenes	11.83	106	465618	120.249	ug/l	99
69) o-Xylene	12.16	106	223514	62.368	ug/l	100
70) Styrene	12.18	104	389699	62.823	ug/l	98
71) Bromoform	12.35	173	69332	71.481	ug/l #	98
73) Isopropylbenzene	12.46	105	626596	56.626	ug/l	99
74) N-amyl acetate	12.27	43	195528	58.485	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	119373	58.844	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	163329	113.561	ug/l #	100
77) Bromobenzene	12.74	156	144242	60.254	ug/l	95
78) n-propylbenzene	12.80	91	753577	55.785	ug/l	99
79) 2-Chlorotoluene	12.89	91	437721	57.073	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	538354	58.224	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	39665	60.467	ug/l	99
82) 4-Chlorotoluene	12.99	91	458256	57.064	ug/l	100
83) tert-Butylbenzene	13.21	119	464767	59.339	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	538647	57.993	ug/l	99
85) sec-Butylbenzene	13.38	105	631027	56.235	ug/l	100
86) p-Isopropyltoluene	13.50	119	580130	57.890	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	274383	58.599	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	270063	58.087	ug/l	99
89) n-Butylbenzene	13.82	91	555529	55.745	ug/l	99
90) Hexachloroethane	14.09	117	100267	57.028	ug/l	90
91) 1,2-Dichlorobenzene	13.87	146	244180	59.445	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	21803	63.752	ug/l	97

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	173154	60.999	ug/l	99
94) Hexachlorobutadiene	15.24	225	113871	60.752	ug/l	98
95) Naphthalene	15.36	128	333429	59.007	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	155918	62.955	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012657.D

Acq: 05 Sep 2019 22:20

Instrument :

MSVOA_W

ClientSampleId :

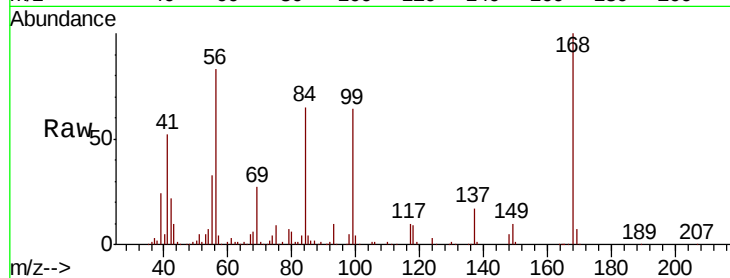
VSTDCCC050

Tgt Ion:168 Resp: 216476

Ion Ratio Lower Upper

168 100

99 63.9 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

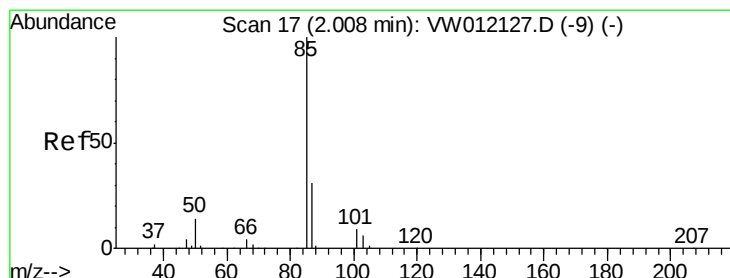
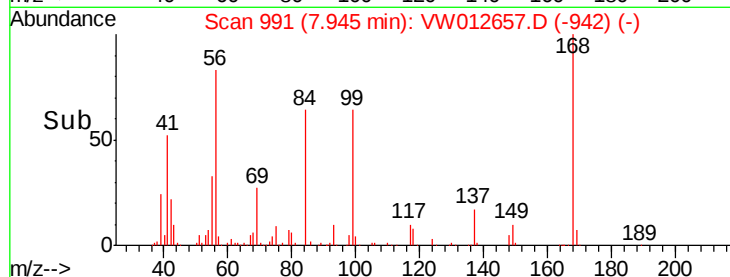
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 49.751 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012657.D

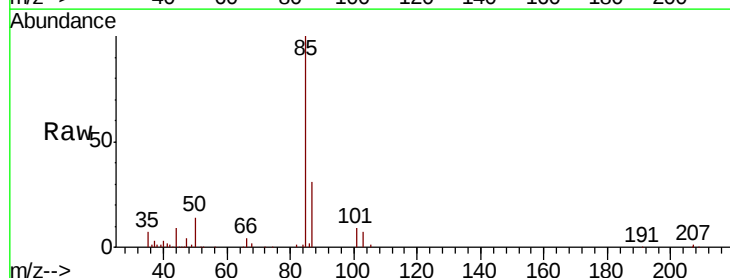
Acq: 05 Sep 2019 22:20

Tgt Ion: 85 Resp: 66314

Ion Ratio Lower Upper

85 100

87 30.6 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

25000

20000

15000

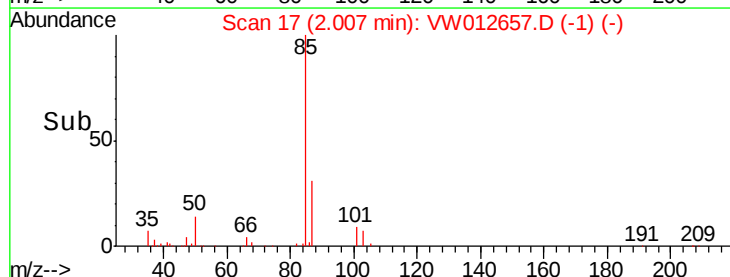
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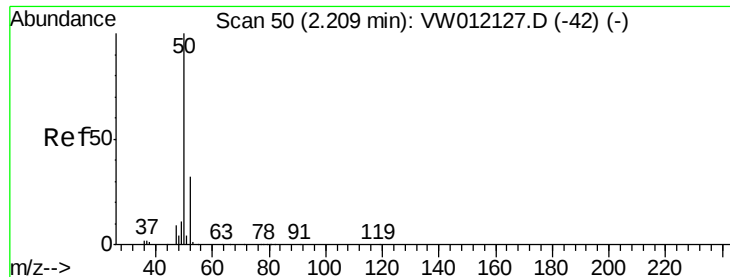
5000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 43.241 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012657.D

Acq: 05 Sep 2019 22:20

Instrument :

MSVOA_W

ClientSampleId :

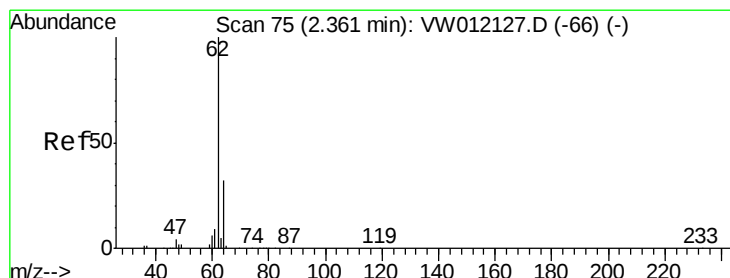
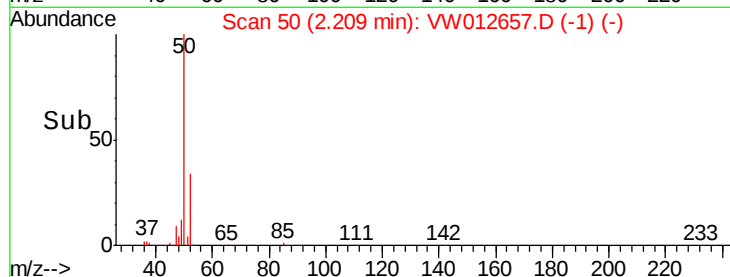
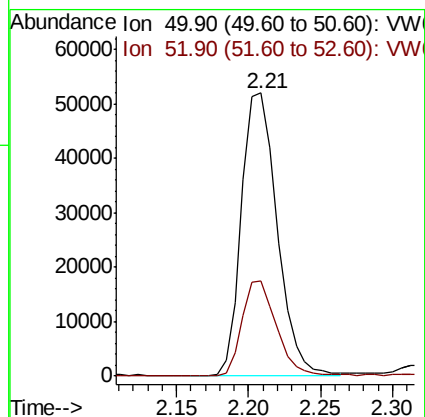
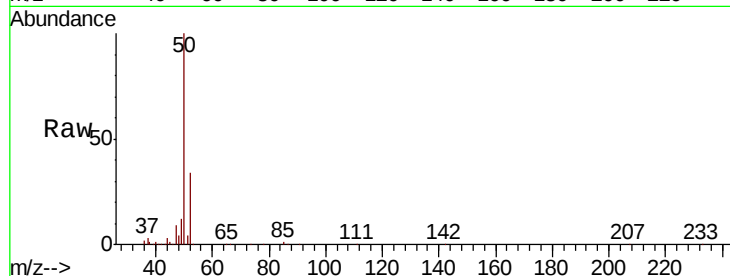
VSTDCCC050

Tgt Ion: 50 Resp: 89297

Ion Ratio Lower Upper

50 100

52 33.9 25.5 38.3



#4

Vinyl Chloride

Concen: 42.633 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012657.D

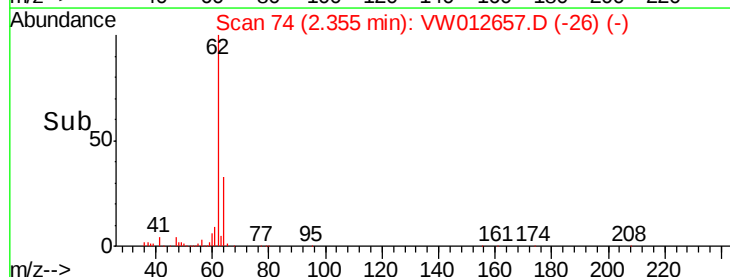
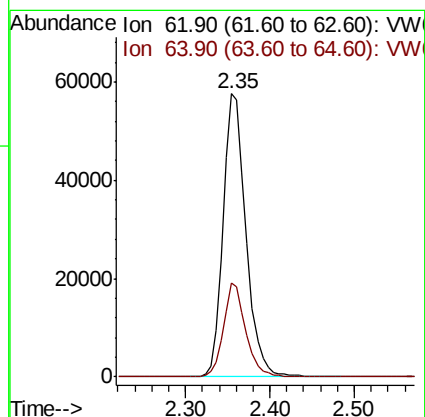
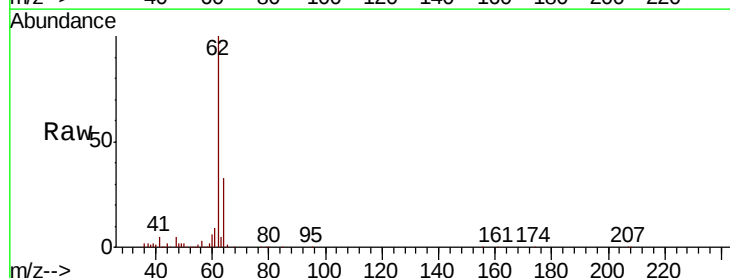
Acq: 05 Sep 2019 22:20

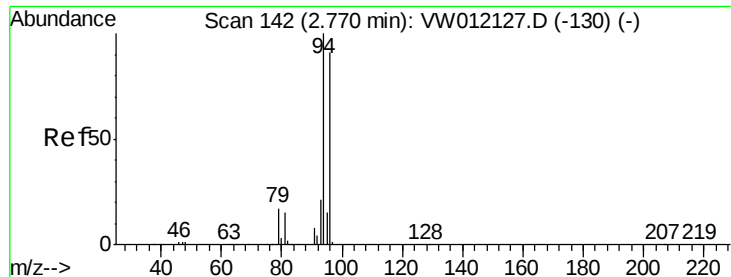
Tgt Ion: 62 Resp: 107759

Ion Ratio Lower Upper

62 100

64 33.2 25.3 37.9





#5

Bromomethane

Concen: 48.795 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW012657.D

Acq: 05 Sep 2019 22:20

Instrument :

MSVOA_W

ClientSampleId :

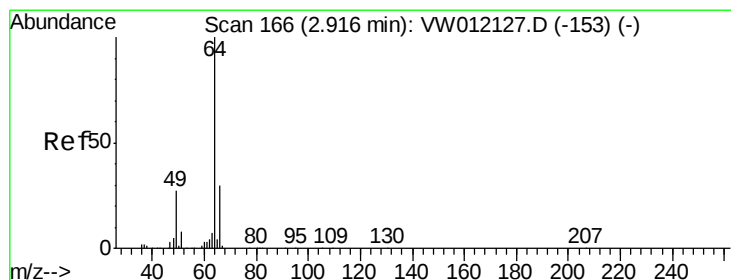
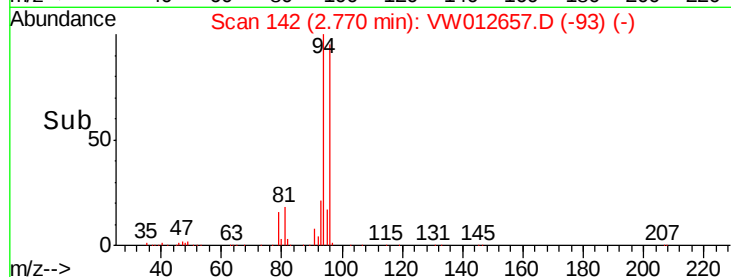
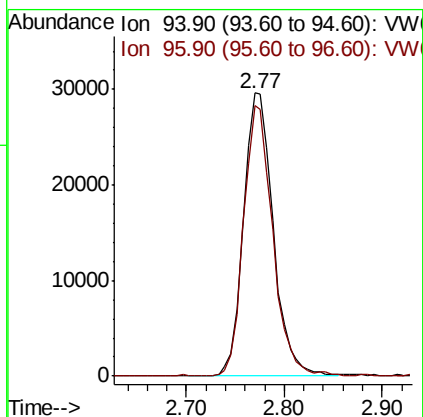
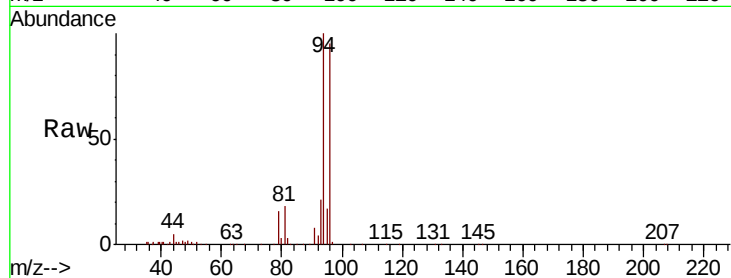
VSTDCCC050

Tgt Ion: 94 Resp: 62461

Ion Ratio Lower Upper

94 100

96 95.0 72.9 109.3



#6

Chloroethane

Concen: 45.984 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW012657.D

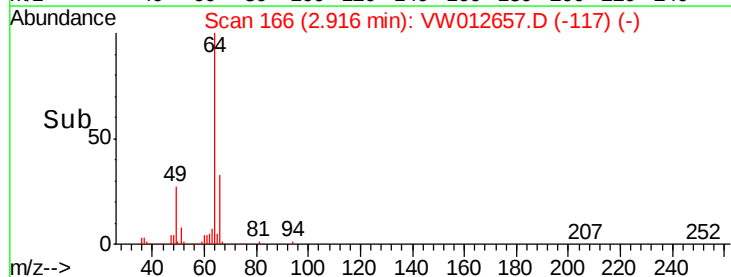
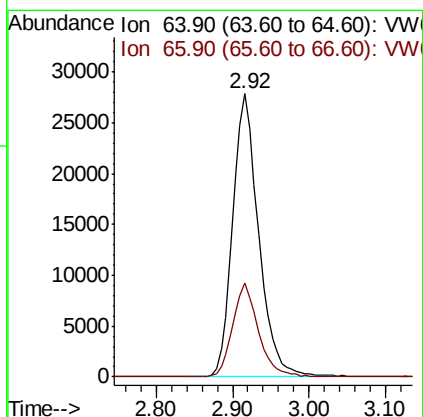
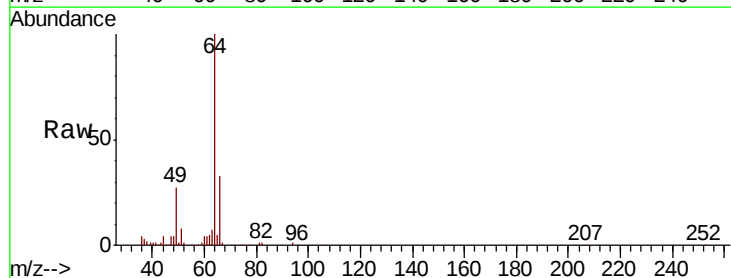
Acq: 05 Sep 2019 22:20

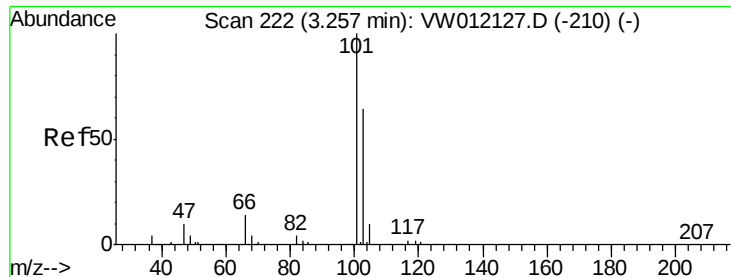
Tgt Ion: 64 Resp: 65567

Ion Ratio Lower Upper

64 100

66 33.3 23.8 35.8



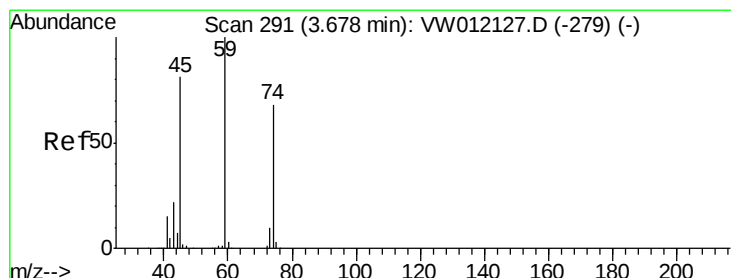
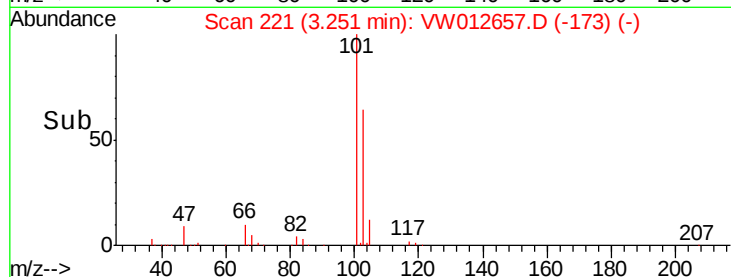
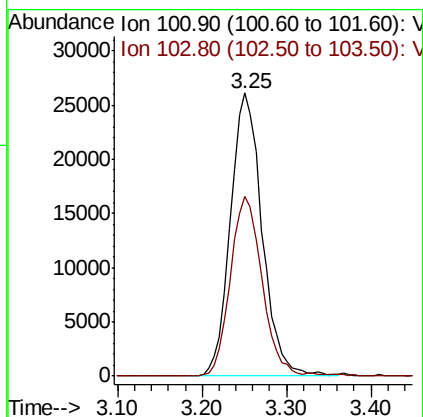
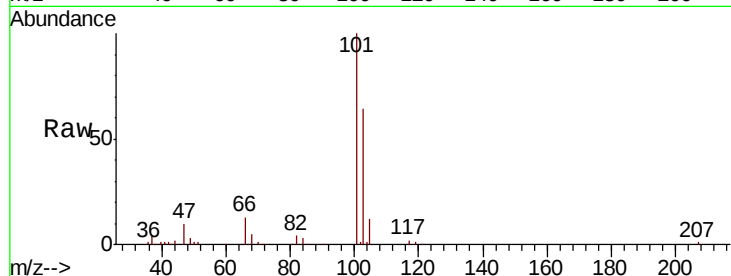


#7

Trichlorofluoromethane
 Concen: 52.364 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
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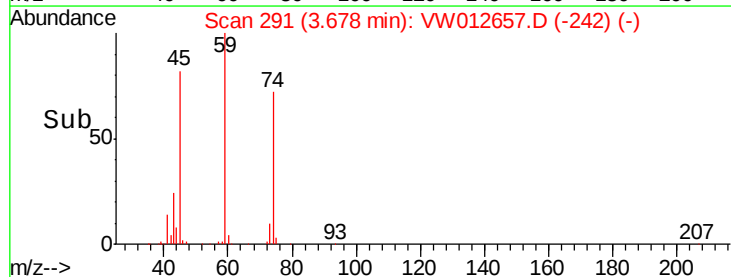
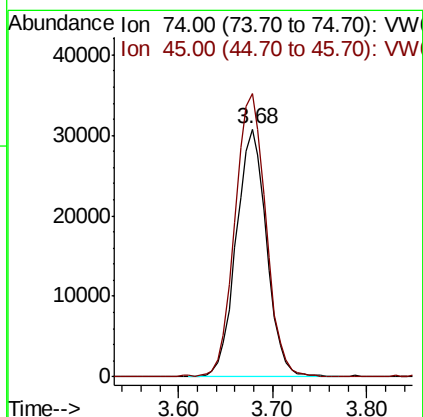
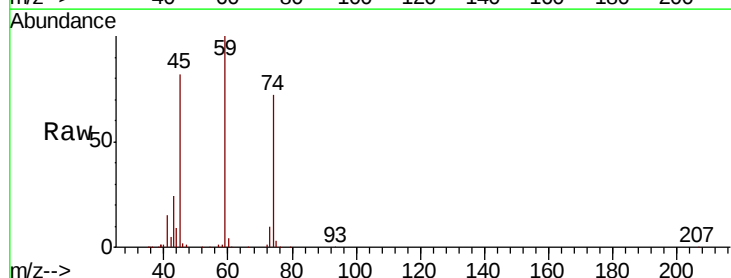
Tgt Ion:101 Resp: 66459
 Ion Ratio Lower Upper
 101 100
 103 63.5 51.2 76.8

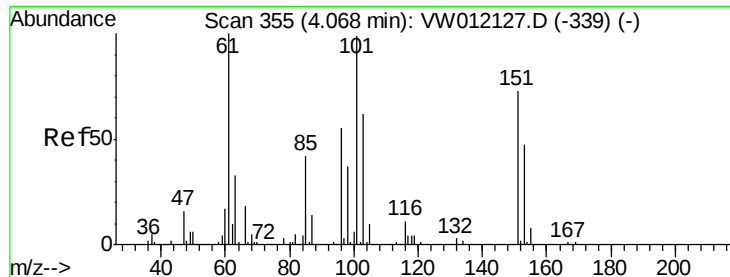


#8

Diethyl Ether
 Concen: 57.498 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012657.D
 Acq: 05 Sep 2019 22:20

Tgt Ion: 74 Resp: 69267
 Ion Ratio Lower Upper
 74 100
 45 117.2 59.2 177.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.948 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012657.D

Acq: 05 Sep 2019 22:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

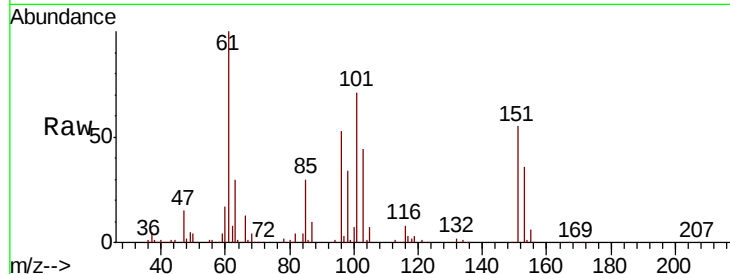
Tgt Ion:101 Resp: 116384

Ion Ratio Lower Upper

101 100

85 44.8 35.8 53.6

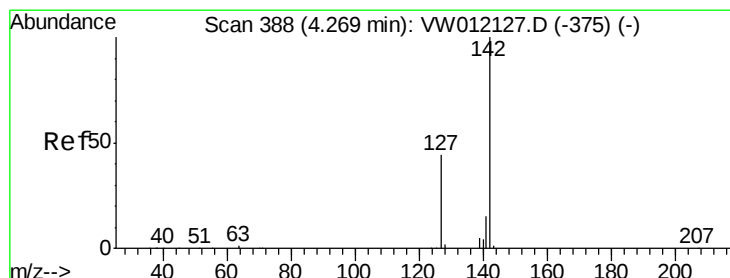
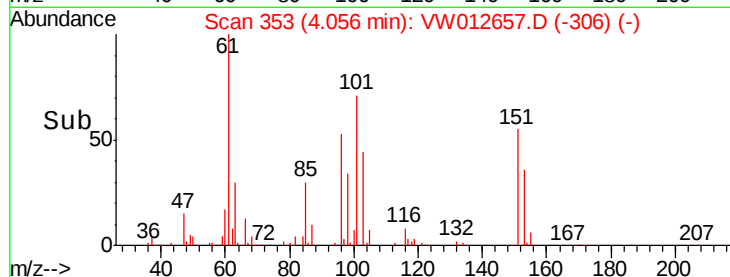
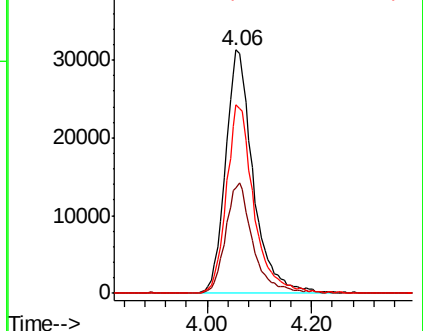
151 76.7 58.6 87.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 57.393 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW012657.D

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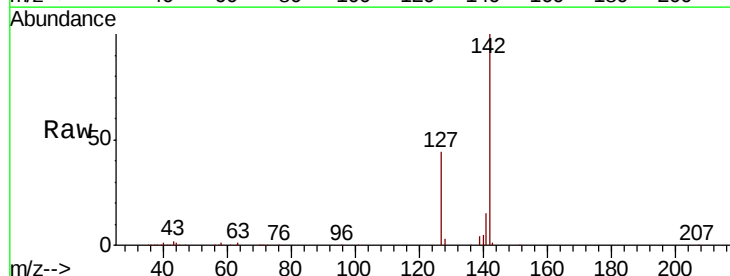
Tgt Ion:142 Resp: 167526

Ion Ratio Lower Upper

142 100

127 44.4 35.5 53.3

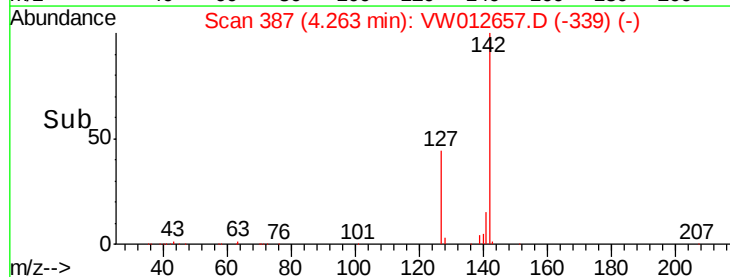
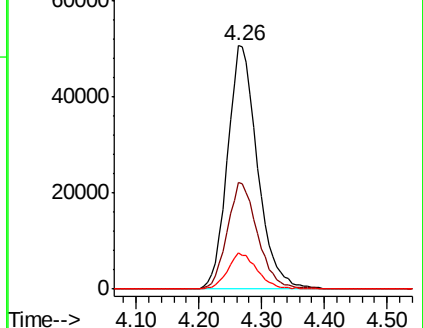
141 14.8 11.8 17.8

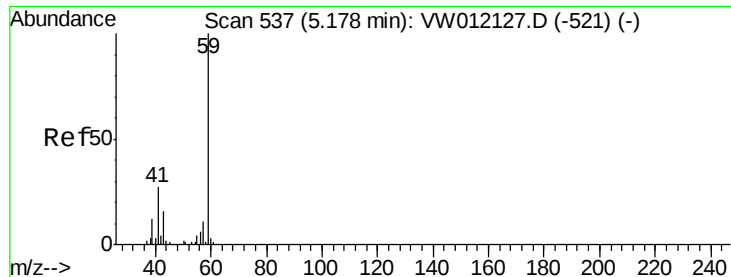


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

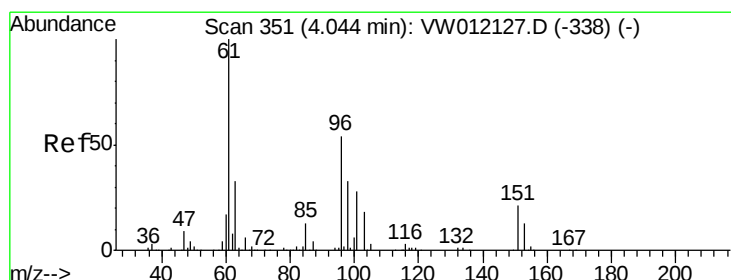
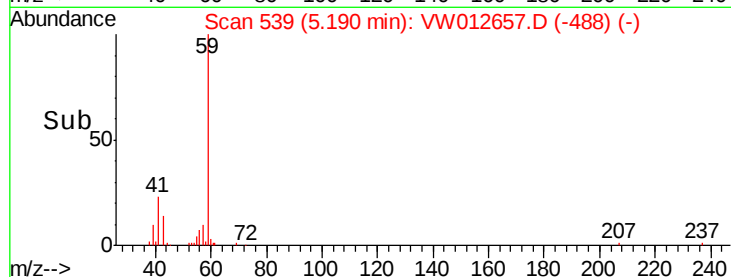
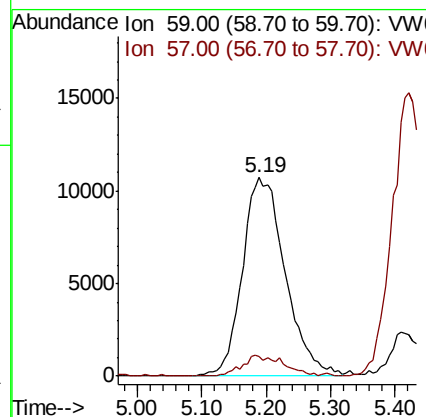
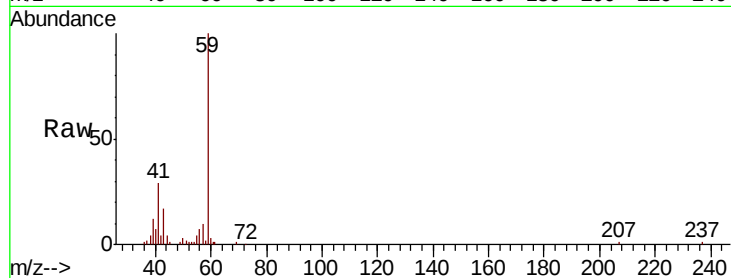




#11
Tert butyl alcohol
Concen: 317.814 ug/l
RT: 5.19 min Scan# 539
Delta R.T. 0.01 min
Lab File: VW012657.D
Acq: 05 Sep 2019 22:20

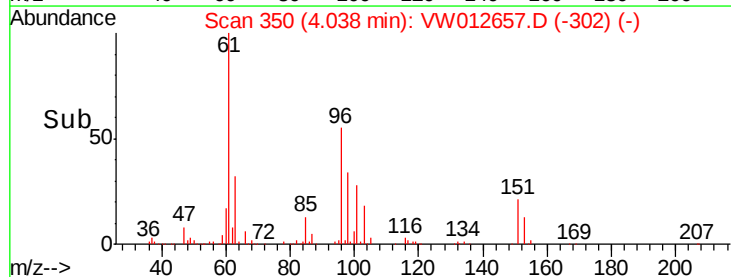
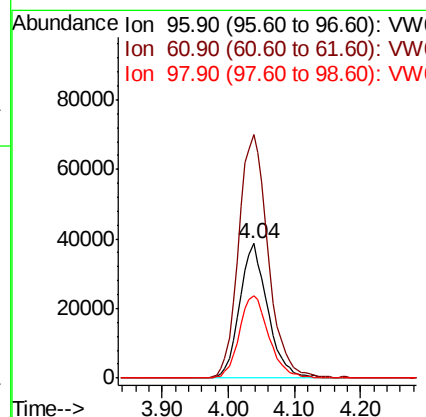
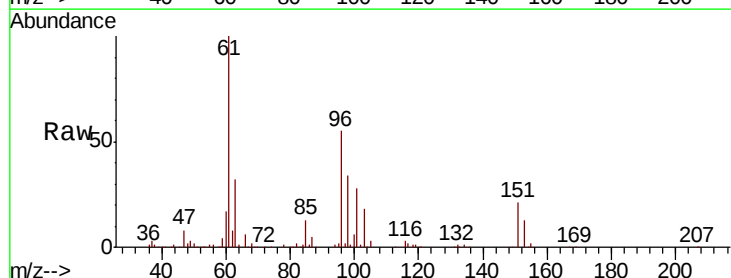
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

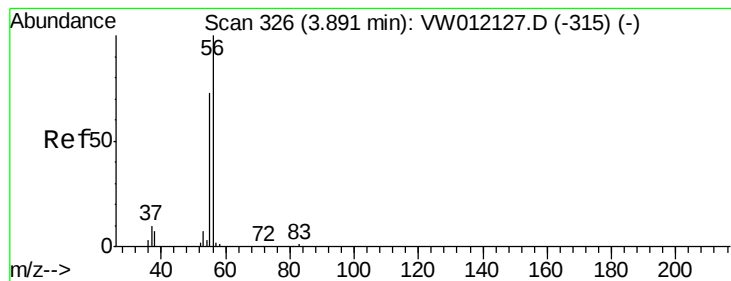
Tgt Ion: 59 Resp: 49218
Ion Ratio Lower Upper
59 100
57 10.2 9.0 13.4



#12
1,1-Dichloroethene
Concen: 52.673 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW012657.D
Acq: 05 Sep 2019 22:20

Tgt Ion: 96 Resp: 114371
Ion Ratio Lower Upper
96 100
61 181.0 149.1 223.7
98 60.8 49.4 74.2





#13

Acrolein

Concen: 280.765 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012657.D

Acq: 05 Sep 2019 22:20

Instrument :

MSVOA_W

ClientSampleId :

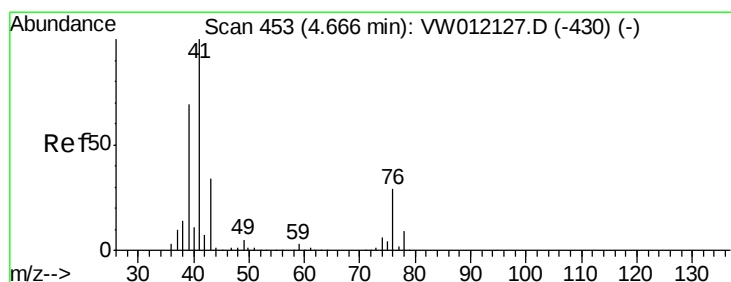
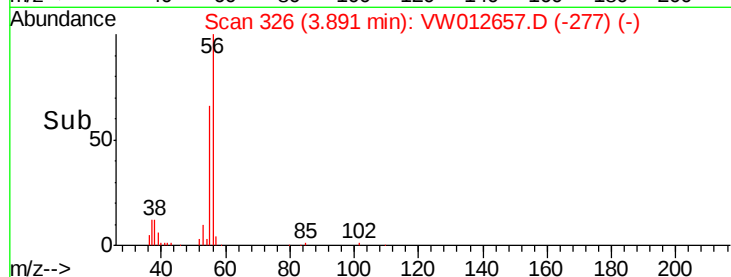
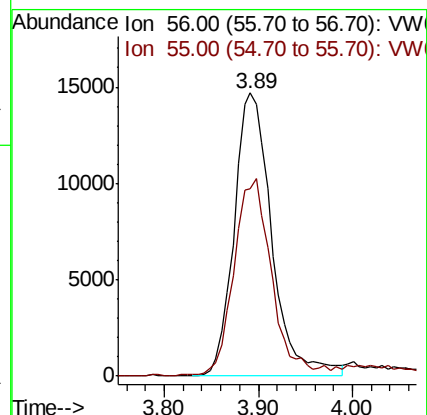
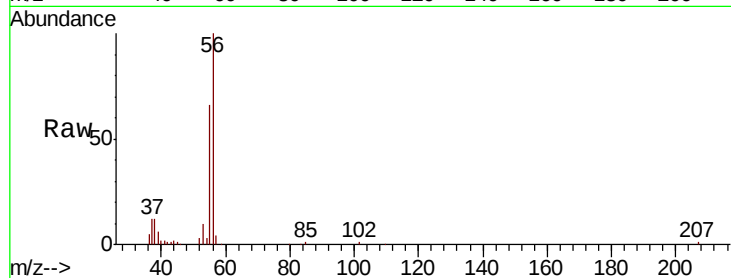
VSTDCCC050

Tgt Ion: 56 Resp: 40929

Ion Ratio Lower Upper

56 100

55 69.7 55.8 83.8



#14

Allyl chloride

Concen: 53.335 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012657.D

Acq: 05 Sep 2019 22:20

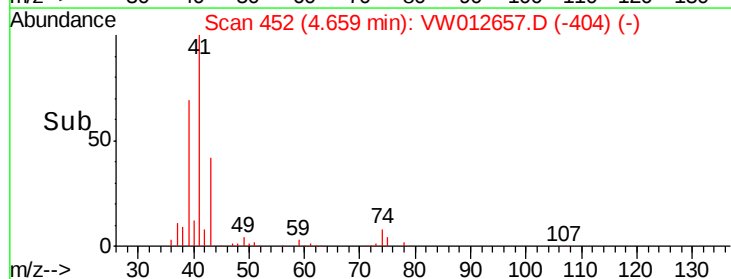
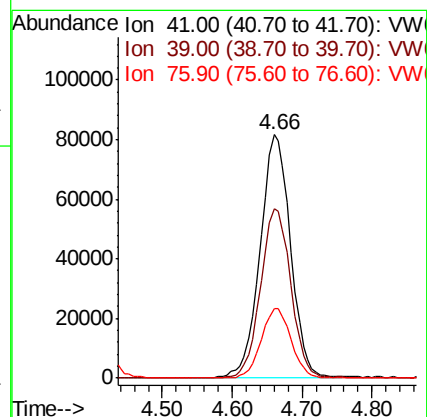
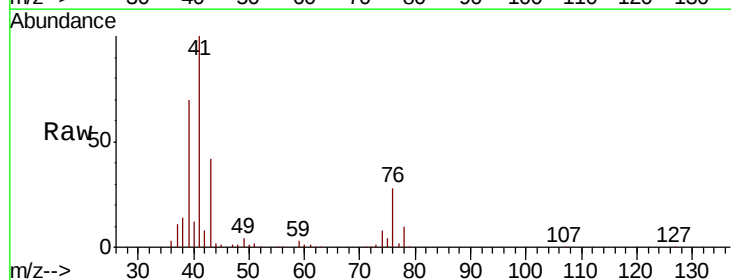
Tgt Ion: 41 Resp: 247582

Ion Ratio Lower Upper

41 100

39 68.9 53.4 80.2

76 28.2 22.1 33.1

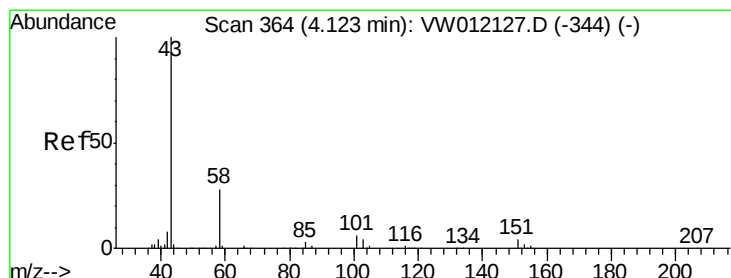
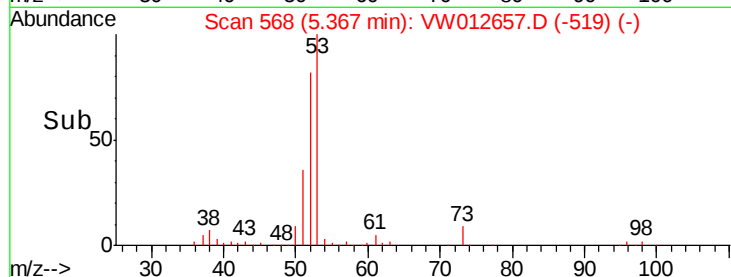
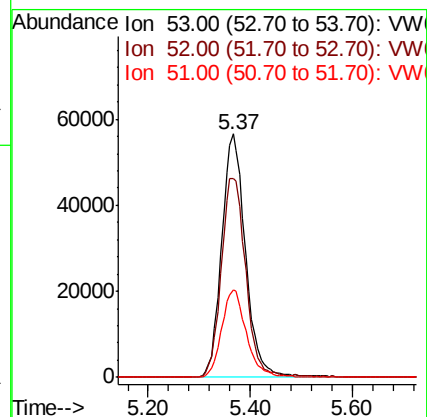
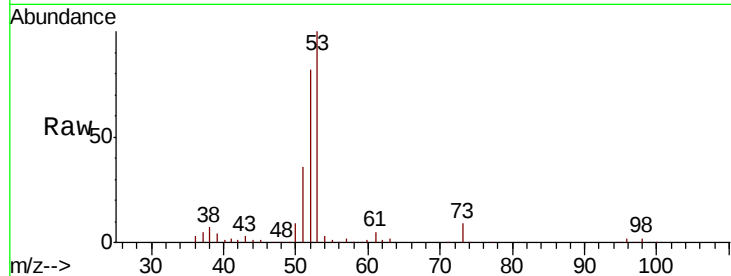




#15
 Acrylonitrile
 Concen: 307.770 ug/l
 RT: 5.37 min Scan# 568
 Delta R.T. -0.00 min
 Lab File: VW012657.D
 Acq: 05 Sep 2019 22:20

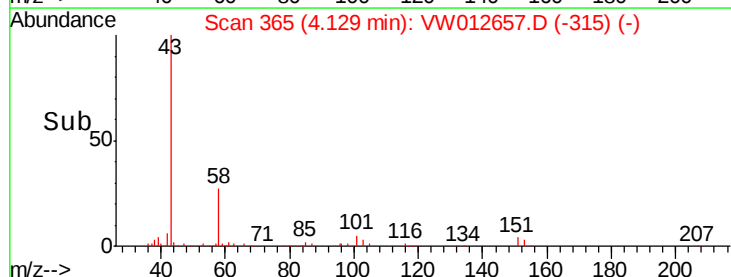
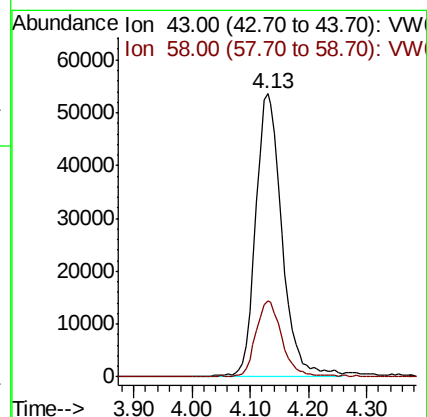
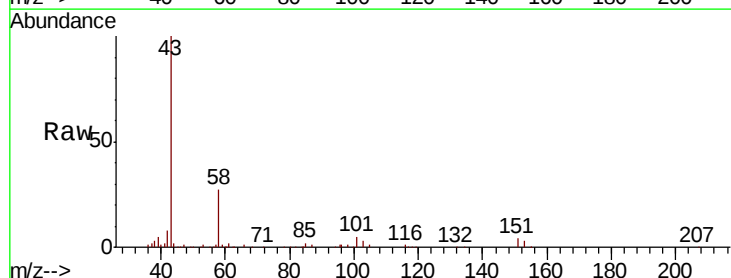
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

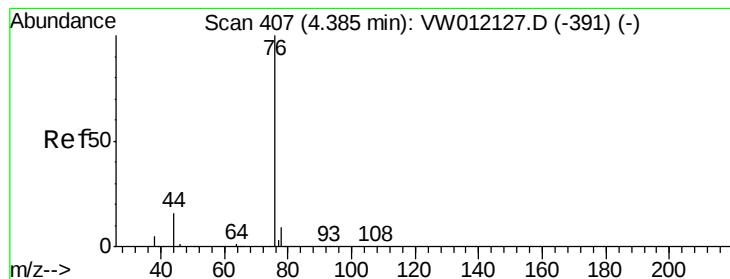
Tgt Ion: 53 Resp: 183774
 Ion Ratio Lower Upper
 53 100
 52 83.4 66.7 100.1
 51 37.2 30.1 45.1



#16
 Acetone
 Concen: 255.452 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VW012657.D
 Acq: 05 Sep 2019 22:20

Tgt Ion: 43 Resp: 168038
 Ion Ratio Lower Upper
 43 100
 58 26.7 22.4 33.6





#17

Carbon Disulfide

Concen: 47.058 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012657.D

Acq: 05 Sep 2019 22:20

Instrument :

MSVOA_W

ClientSampleId :

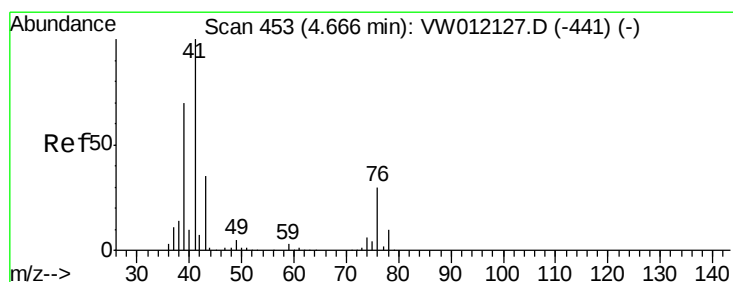
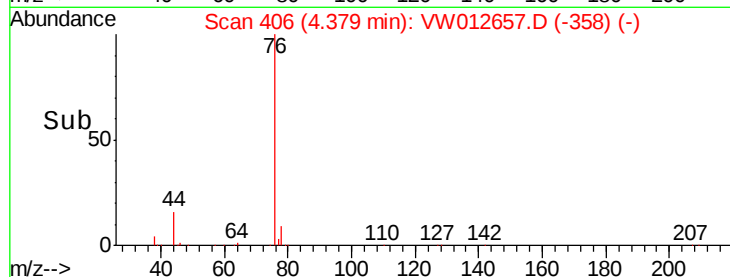
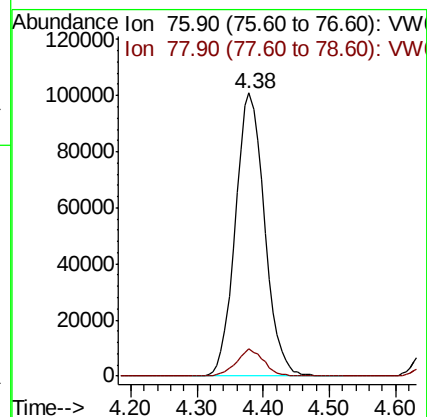
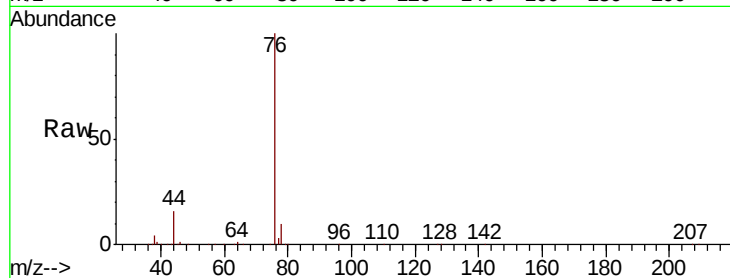
VSTDCCC050

Tgt Ion: 76 Resp: 308808

Ion Ratio Lower Upper

76 100

78 9.8 7.3 10.9



#18

Methyl Acetate

Concen: 69.512 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW012657.D

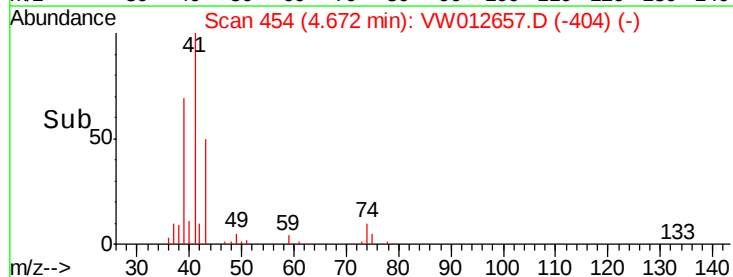
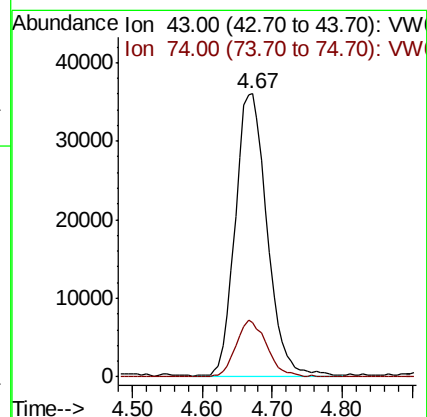
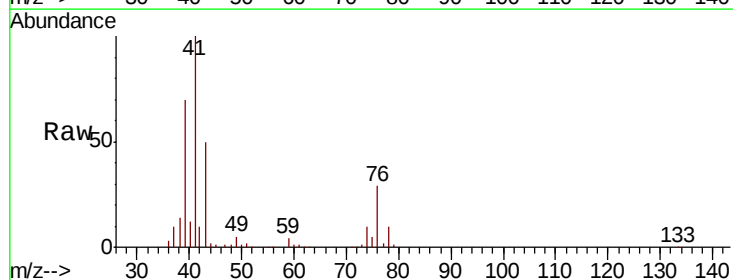
Acq: 05 Sep 2019 22:20

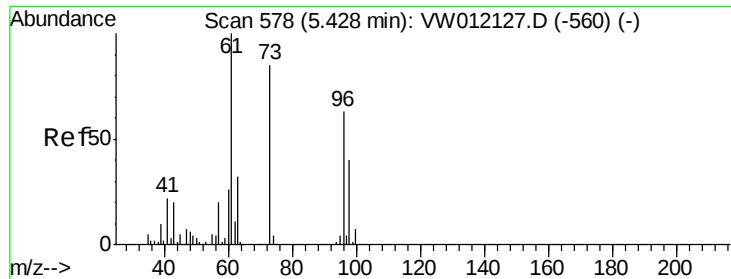
Tgt Ion: 43 Resp: 113254

Ion Ratio Lower Upper

43 100

74 19.5 15.7 23.5

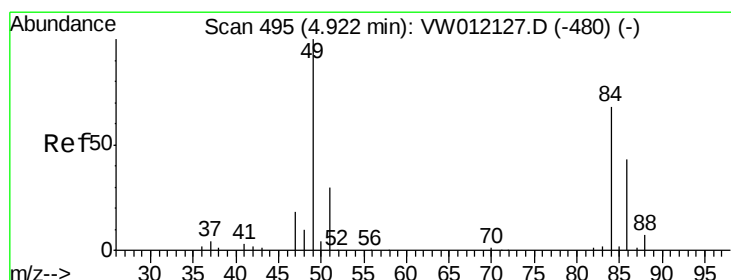
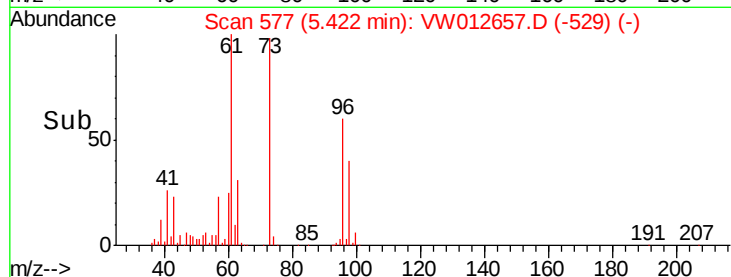
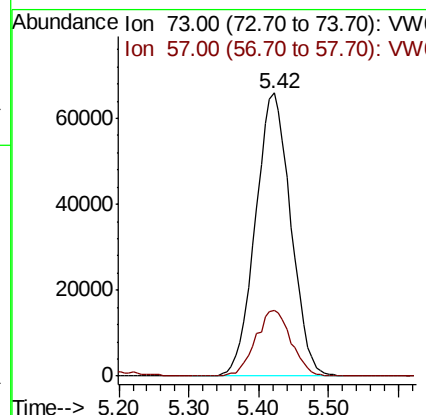
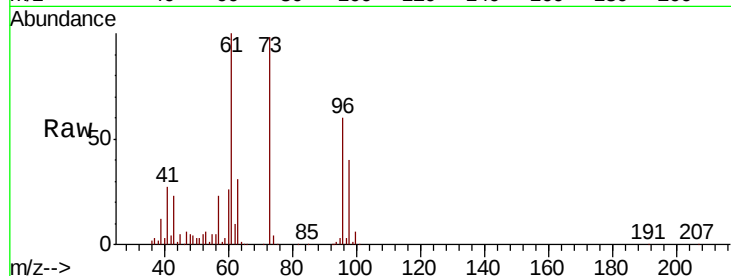




#19
Methyl tert-butyl Ether
Concen: 65.642 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012657.D
Acq: 05 Sep 2019 22:20

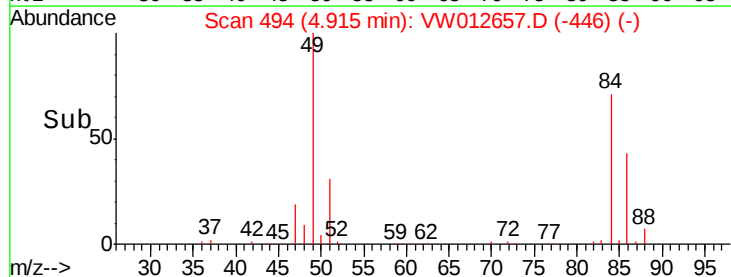
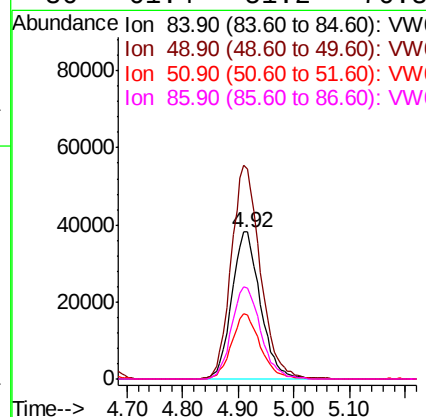
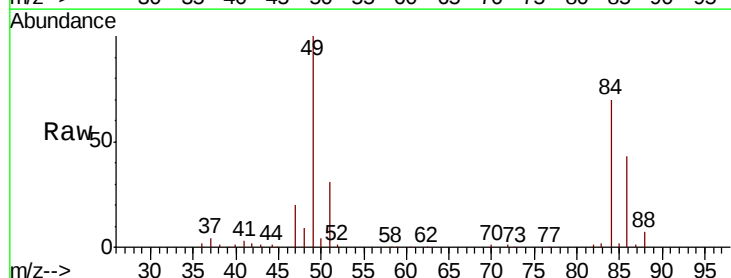
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

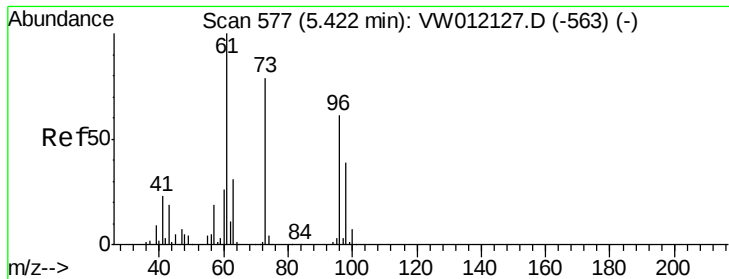
Tgt Ion: 73 Resp: 230497
Ion Ratio Lower Upper
73 100
57 23.2 18.9 28.3



#20
Methylene Chloride
Concen: 54.696 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012657.D
Acq: 05 Sep 2019 22:20

Tgt Ion: 84 Resp: 136017
Ion Ratio Lower Upper
84 100
49 142.4 117.8 176.8
51 43.9 35.6 53.4
86 61.4 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 54.427 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW012657.D

Acq: 05 Sep 2019 22:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

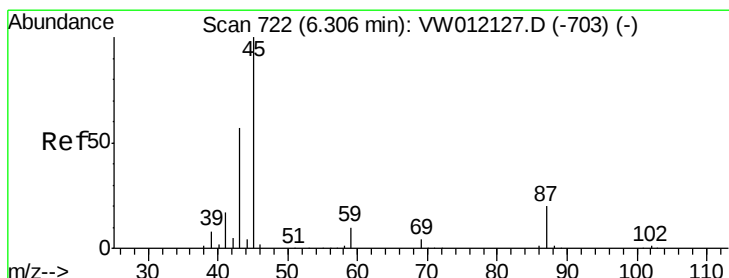
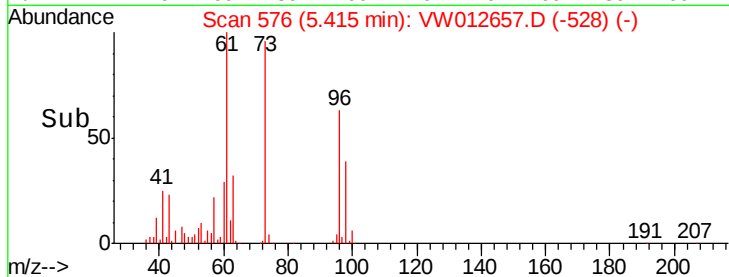
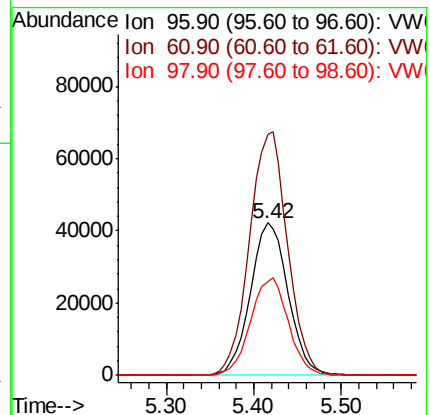
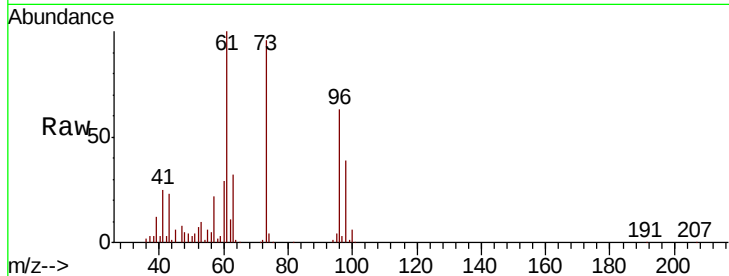
Tgt Ion: 96 Resp: 126730

Ion Ratio Lower Upper

96 100

61 158.3 131.4 197.0

98 61.4 51.4 77.0



#22

Diisopropyl ether

Concen: 57.361 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW012657.D

Acq: 05 Sep 2019 22:20

Tgt Ion: 45 Resp: 493556

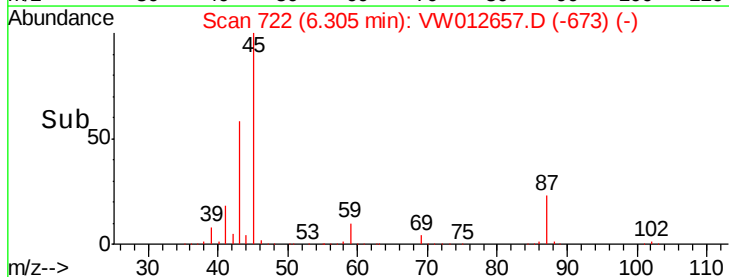
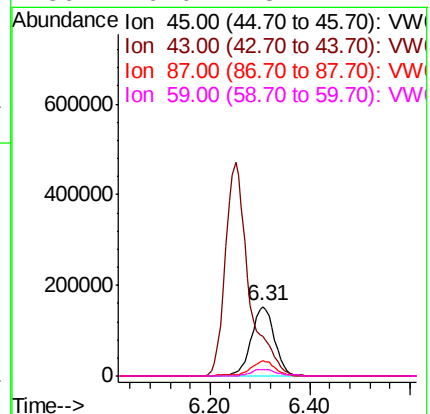
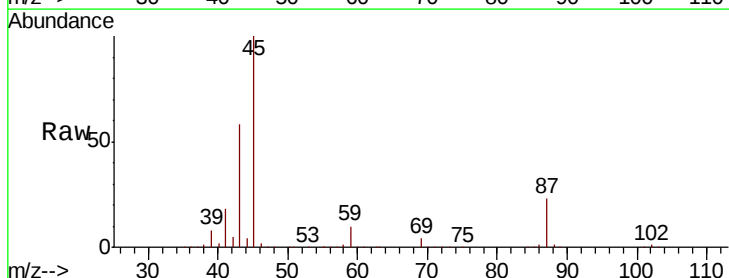
Ion Ratio Lower Upper

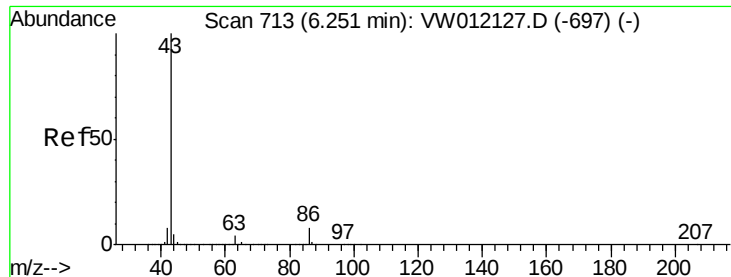
45 100

43 57.7 45.5 68.3

87 22.9 16.1 24.1

59 10.0 8.2 12.2





#23

Vinyl Acetate

Concen: 291.053 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012657.D

Acq: 05 Sep 2019 22:20

Instrument :

MSVOA_W

ClientSampleId :

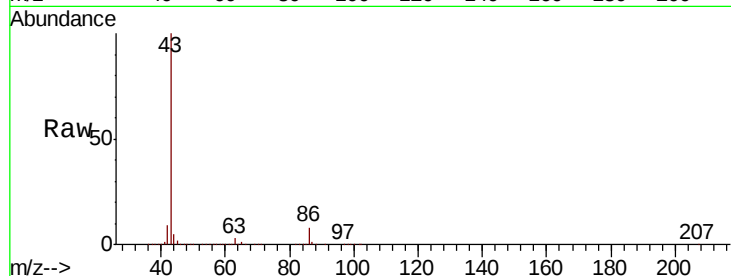
VSTDCCC050

Tgt Ion: 43 Resp: 1541220

Ion Ratio Lower Upper

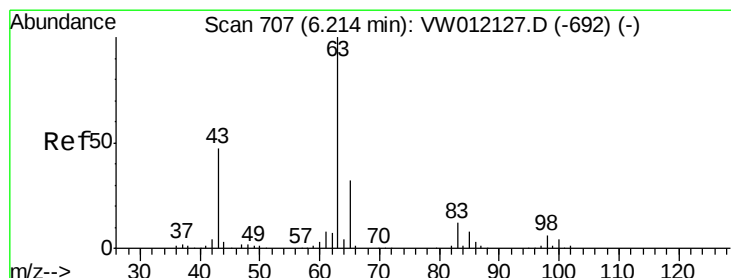
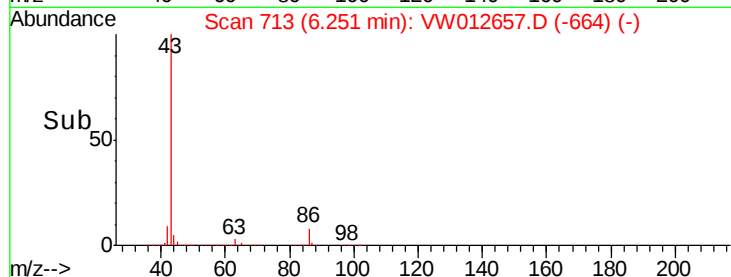
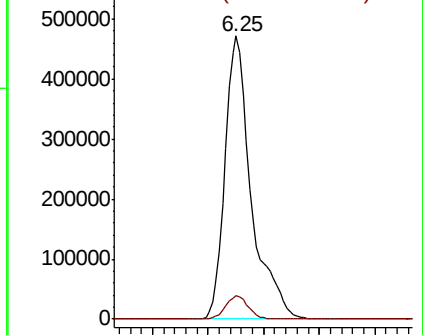
43 100

86 8.4 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 57.199 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW012657.D

Acq: 05 Sep 2019 22:20

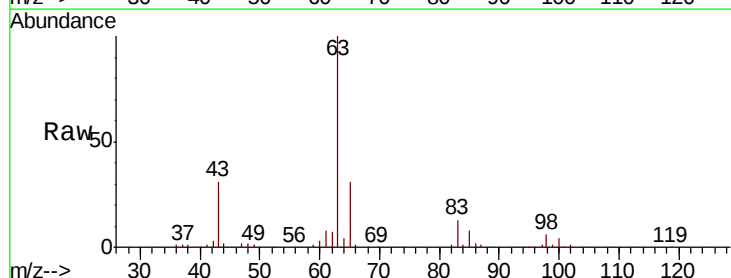
Tgt Ion: 63 Resp: 267975

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

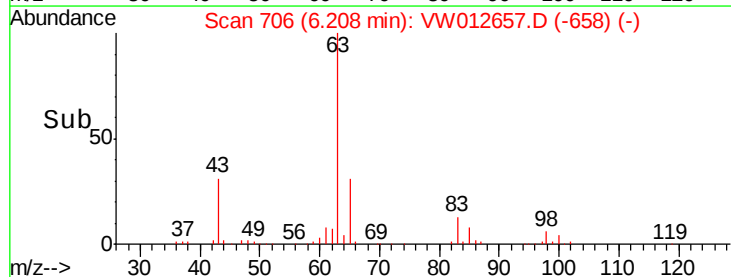
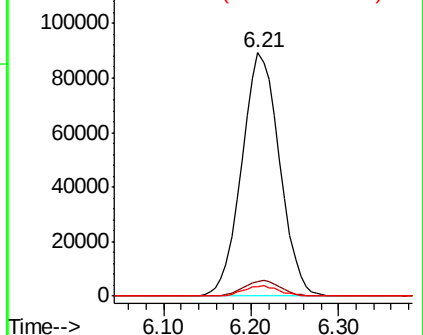
100 3.7 2.0 6.0

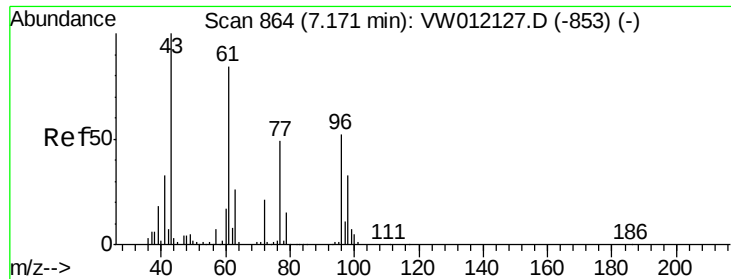


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 282.976 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012657.D

Acq: 05 Sep 2019 22:20

Instrument :

MSVOA_W

ClientSampleId :

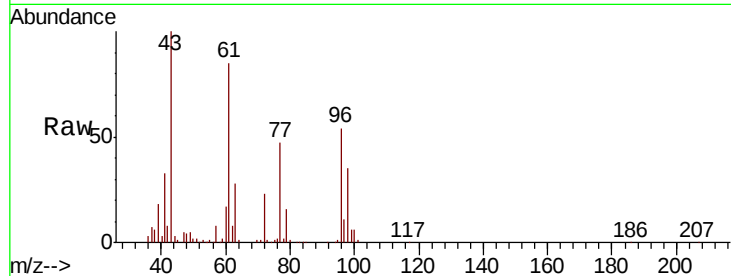
VSTDCCC050

Tgt Ion: 43 Resp: 252948

Ion Ratio Lower Upper

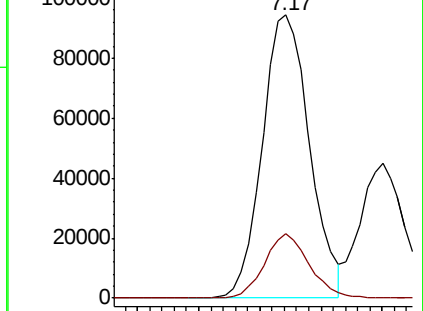
43 100

72 22.7 16.6 24.8

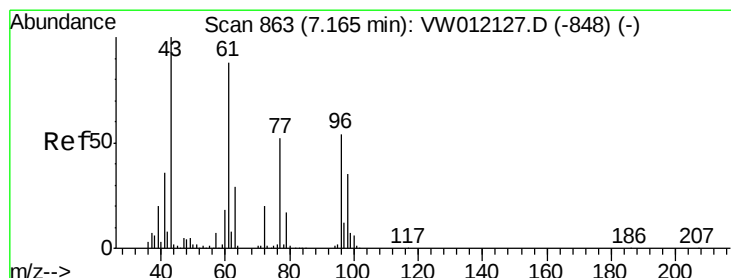
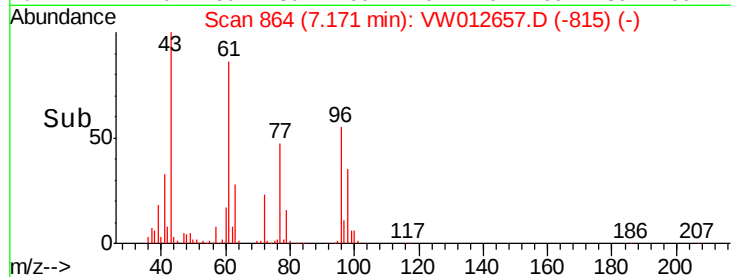


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



Time-->



#26

2,2-Dichloropropane

Concen: 55.002 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012657.D

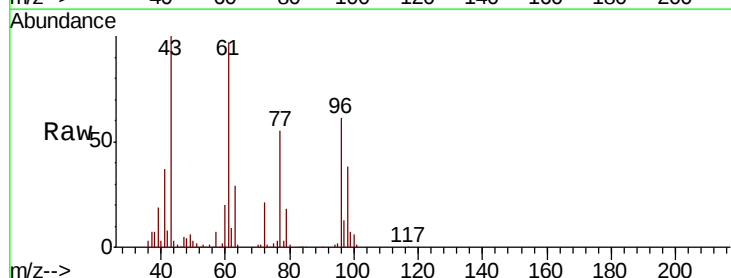
Acq: 05 Sep 2019 22:20

Tgt Ion: 77 Resp: 145852

Ion Ratio Lower Upper

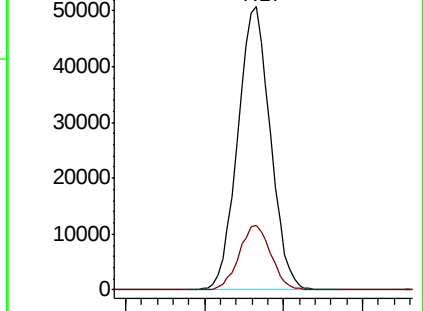
77 100

97 22.2 11.1 33.1

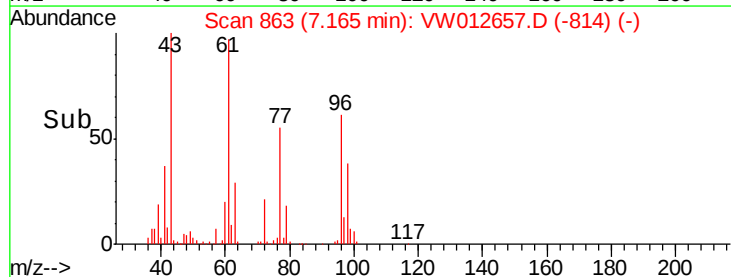


Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



Time-->



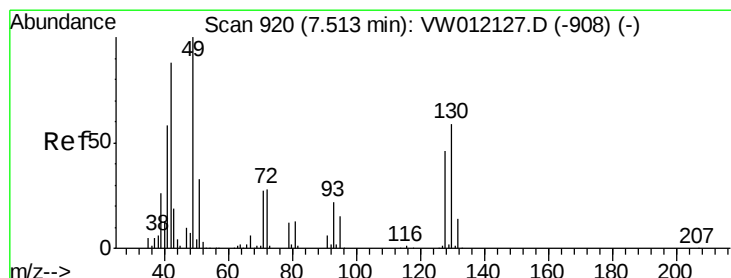
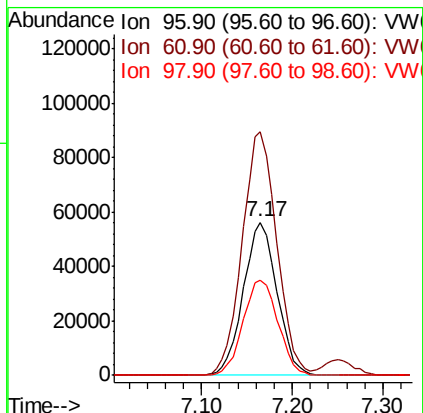
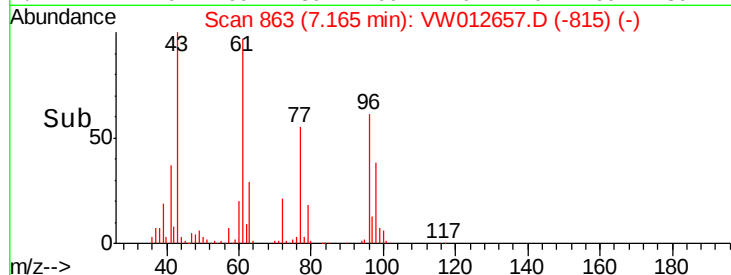
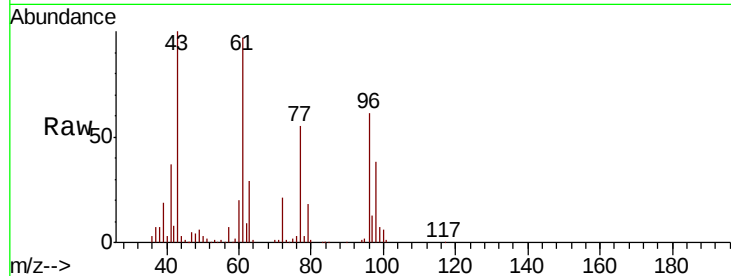


#27

cis-1,2-Dichloroethene
 Concen: 58.021 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012657.D
 Acq: 05 Sep 2019 22:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

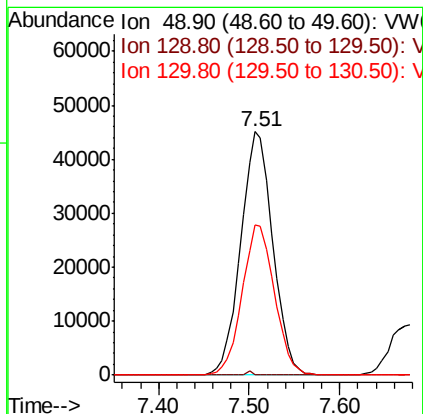
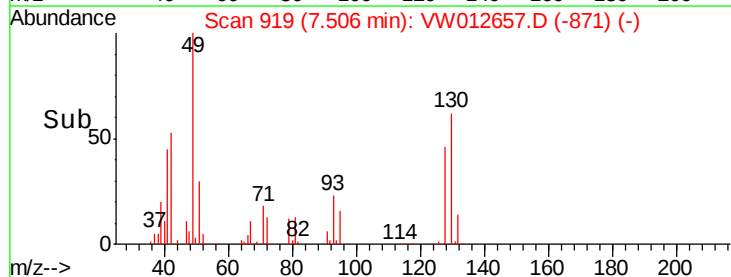
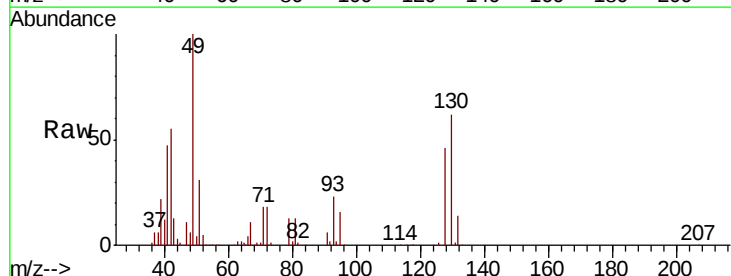
Tgt Ion: 96 Resp: 144341
 Ion Ratio Lower Upper
 96 100
 61 163.4 0.0 326.6
 98 64.9 0.0 127.4

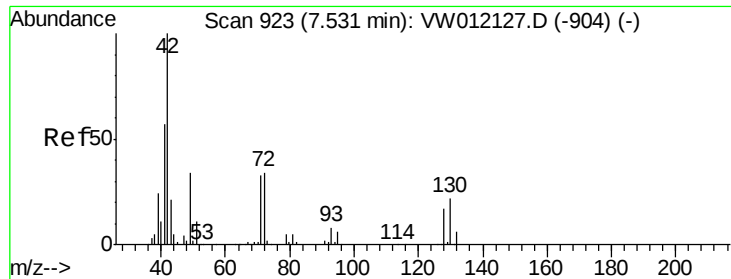


#28

Bromochloromethane
 Concen: 54.113 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW012657.D
 Acq: 05 Sep 2019 22:20

Tgt Ion: 49 Resp: 110496
 Ion Ratio Lower Upper
 49 100
 129 0.3 0.0 1.4
 130 62.2 45.5 68.3

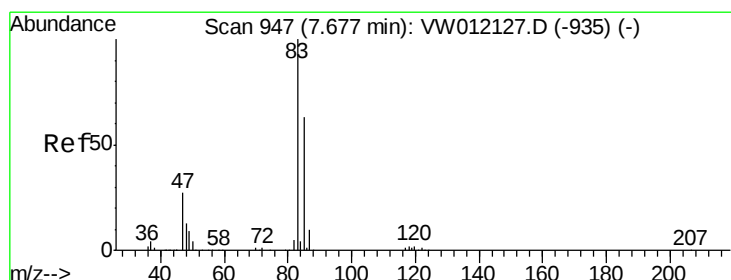
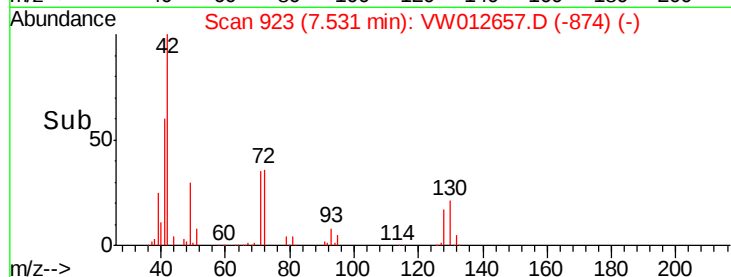
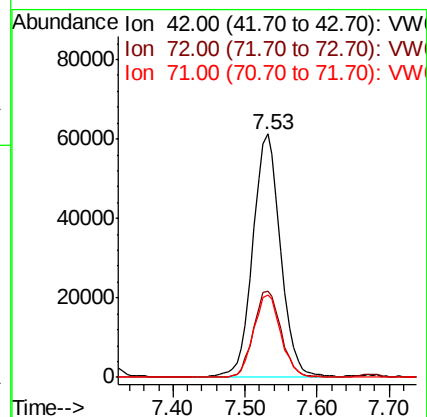
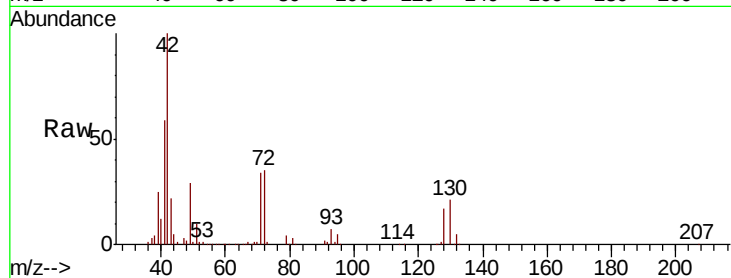




#29
Tetrahydrofuran
Concen: 304.309 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012657.D
Acq: 05 Sep 2019 22:20

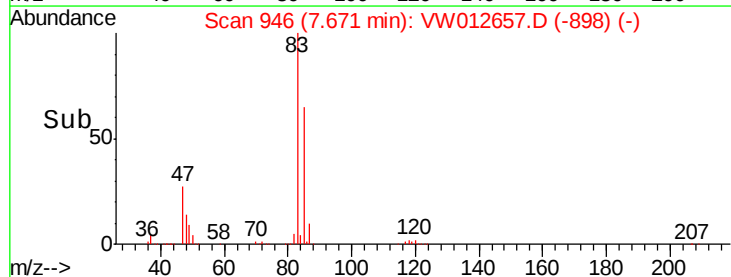
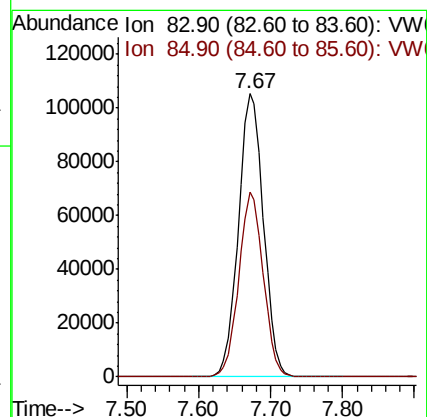
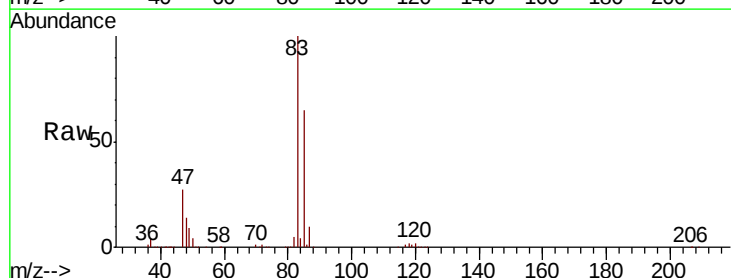
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

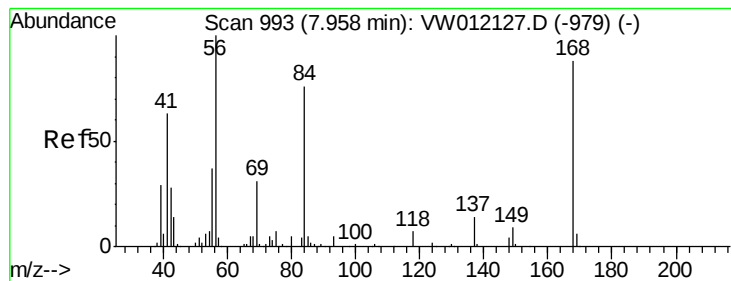
Tgt Ion: 42 Resp: 163199
Ion Ratio Lower Upper
42 100
72 35.4 27.3 40.9
71 33.8 25.5 38.3



#30
Chloroform
Concen: 59.208 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012657.D
Acq: 05 Sep 2019 22:20

Tgt Ion: 83 Resp: 253780
Ion Ratio Lower Upper
83 100
85 65.1 50.6 76.0





#31

Cyclohexane

Concen: 46.567 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012657.D

Acq: 05 Sep 2019 22:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

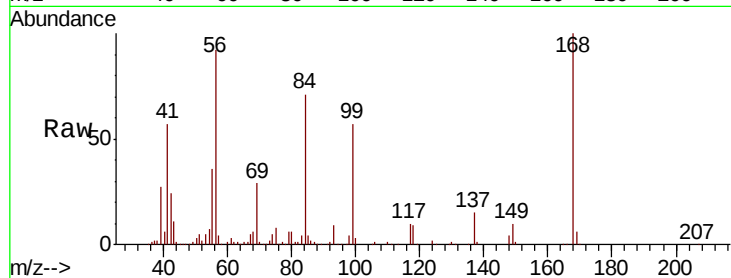
Tgt Ion: 56 Resp: 215847

Ion Ratio Lower Upper

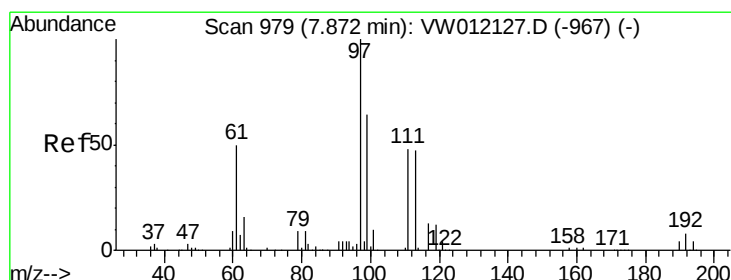
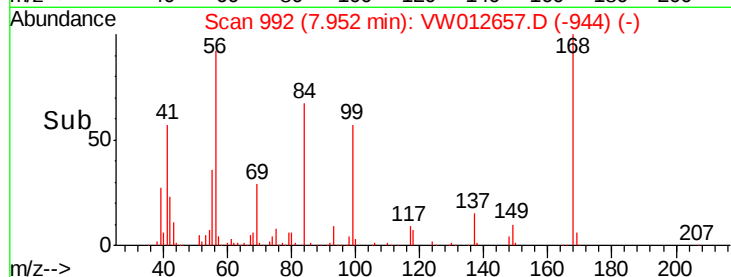
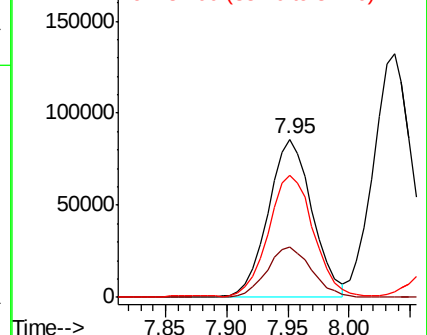
56 100

69 31.7 24.9 37.3

84 75.4 60.6 90.8



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



#32

1,1,1-Trichloroethane

Concen: 58.871 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW012657.D

Acq: 05 Sep 2019 22:20

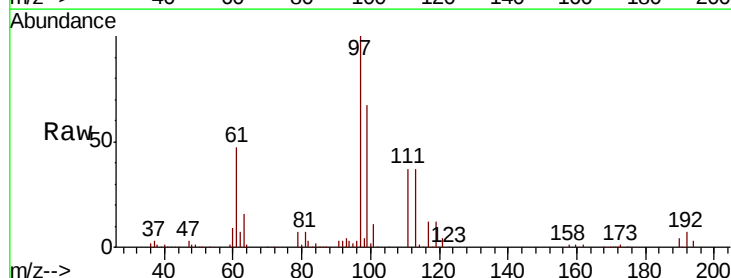
Tgt Ion: 97 Resp: 199619

Ion Ratio Lower Upper

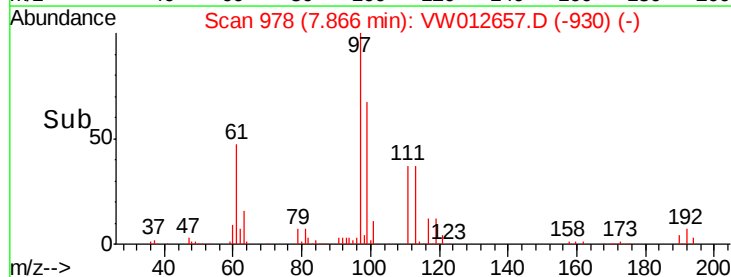
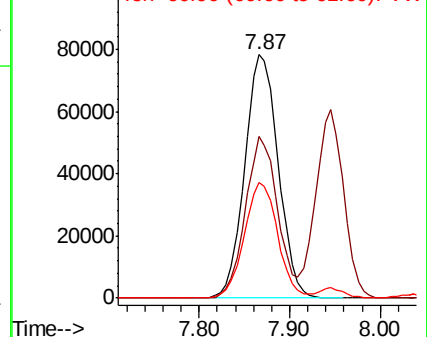
97 100

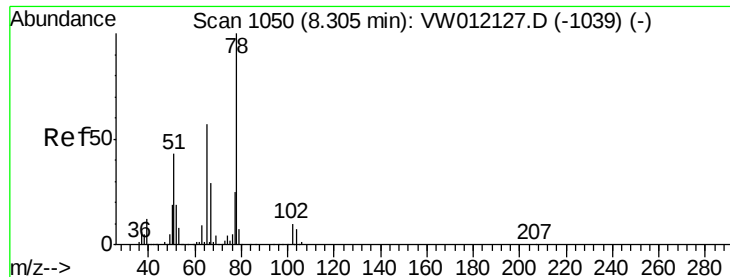
99 64.4 51.4 77.0

61 47.9 39.5 59.3



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

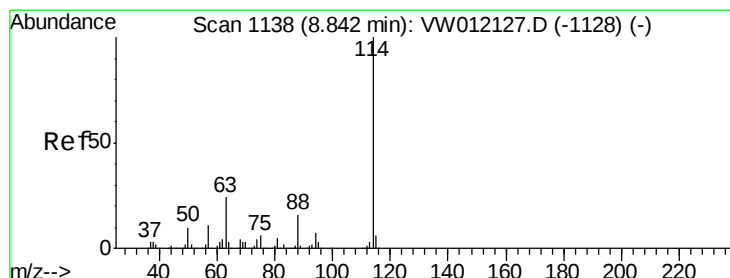
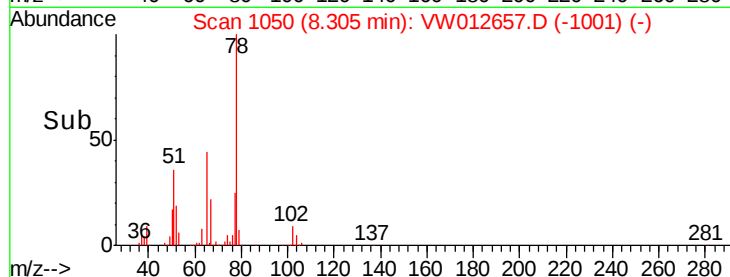
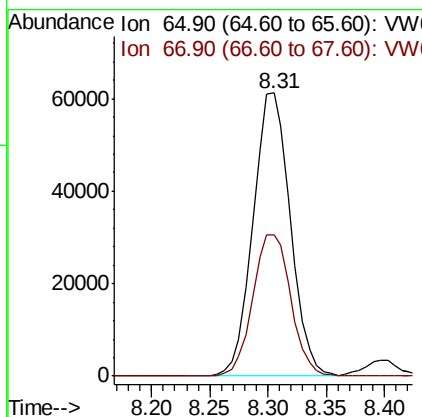
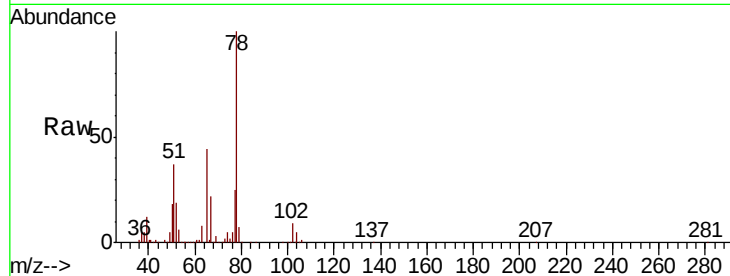




#33
 1,2-Dichloroethane-d4
 Concen: 53.146 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012657.D
 Acq: 05 Sep 2019 22:20

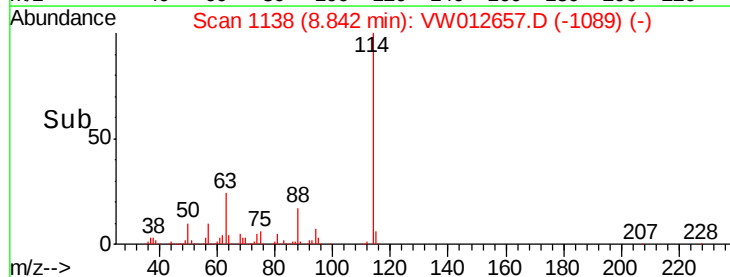
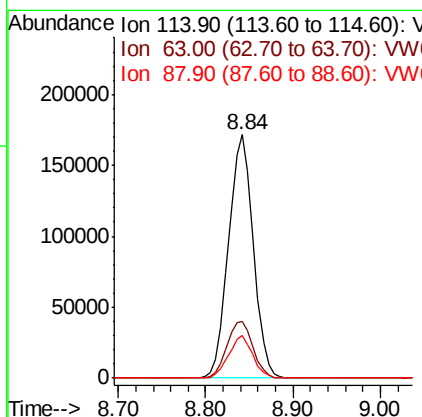
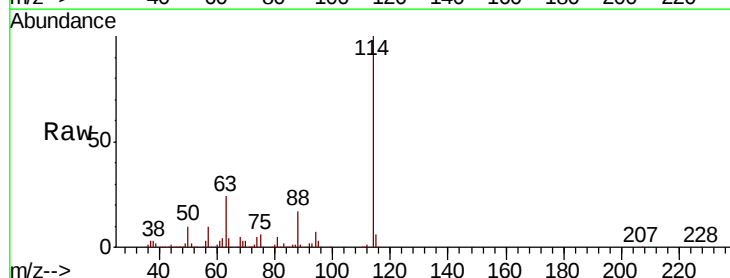
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 65 Resp: 136765
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012657.D
 Acq: 05 Sep 2019 22:20

Tgt Ion: 114 Resp: 338034
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 48.6
 88 17.5 0.0 32.2

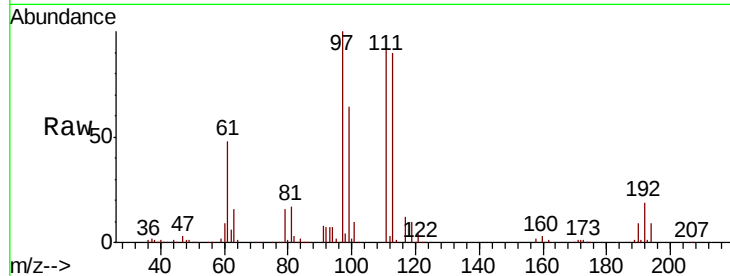




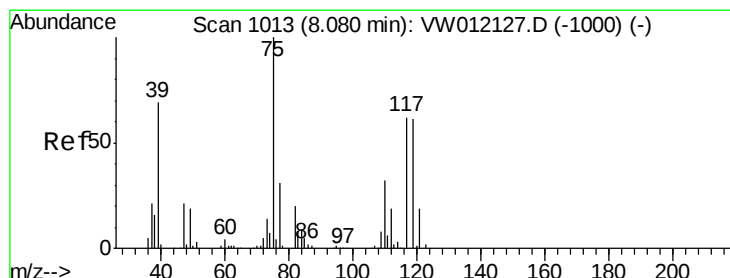
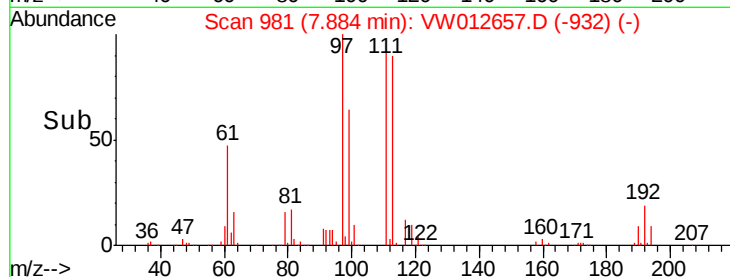
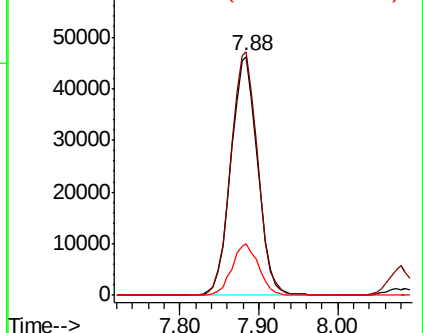
#35
 Dibromofluoromethane
 Concen: 54.078 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012657.D
 Acq: 05 Sep 2019 22:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.7	124.1
192	21.3	16.2	24.2

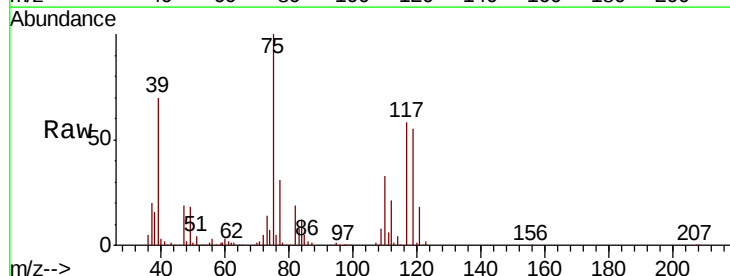


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

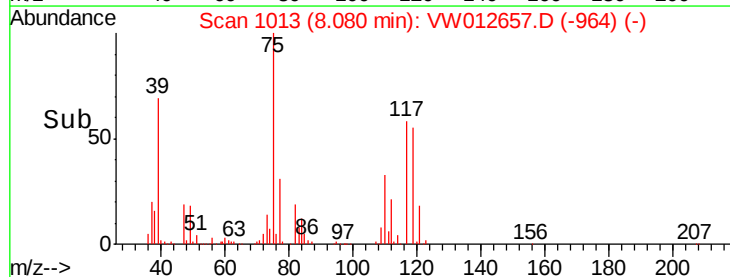
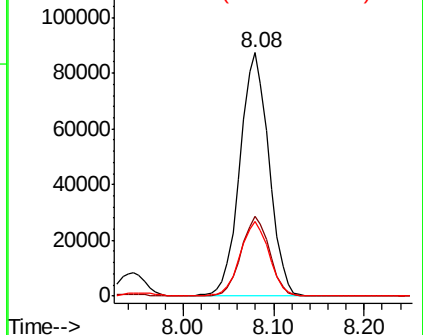


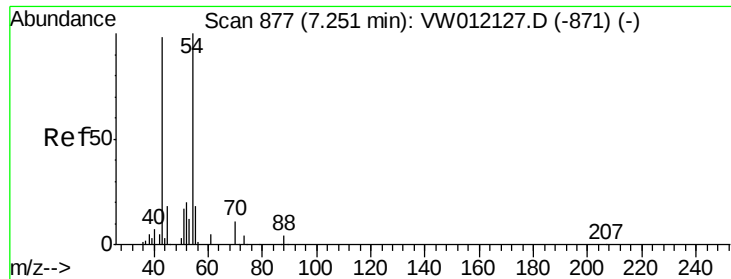
#36
 1,1-Dichloropropene
 Concen: 55.496 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012657.D
 Acq: 05 Sep 2019 22:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.8	15.6	46.8
77	30.9	24.6	36.8



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

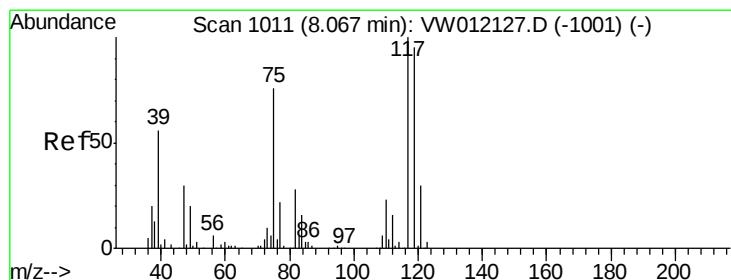
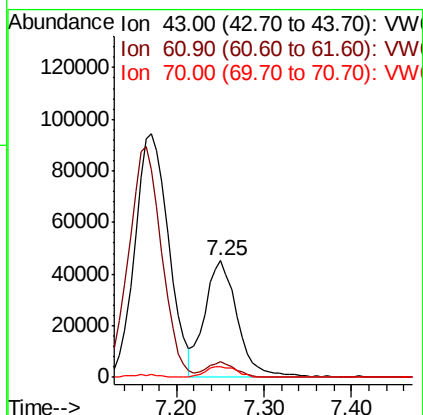
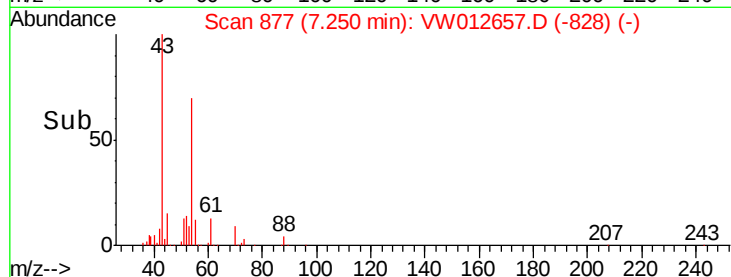
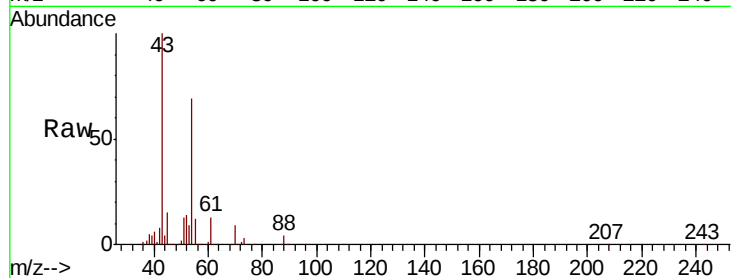




#37
Ethyl Acetate
Concen: 60.615 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012657.D
Acq: 05 Sep 2019 22:20

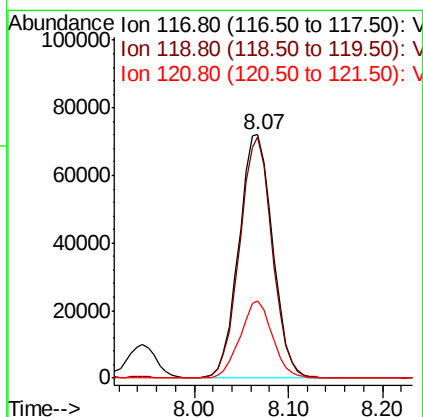
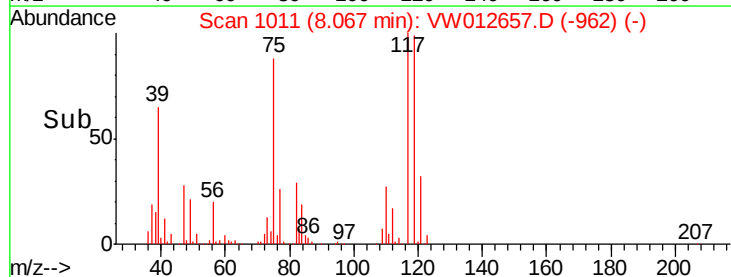
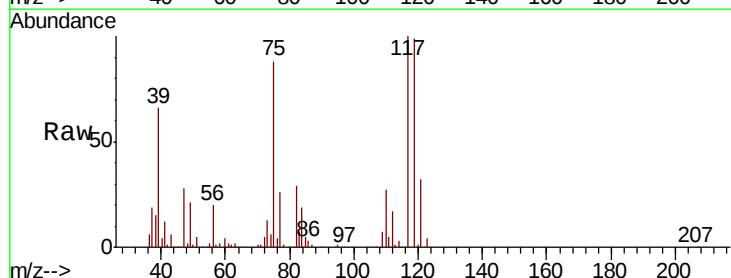
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

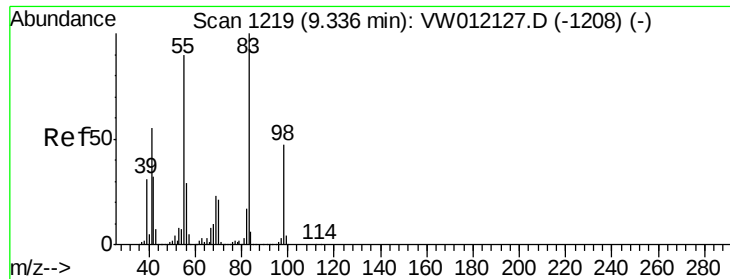
Tgt Ion: 43 Resp: 116031
Ion Ratio Lower Upper
43 100
61 12.3 9.2 13.8
70 9.0 6.9 10.3



#38
Carbon Tetrachloride
Concen: 59.814 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012657.D
Acq: 05 Sep 2019 22:20

Tgt Ion: 117 Resp: 180844
Ion Ratio Lower Upper
117 100
119 99.2 76.2 114.2
121 31.8 23.8 35.8

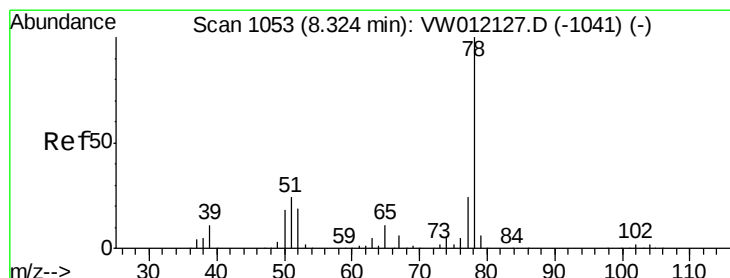
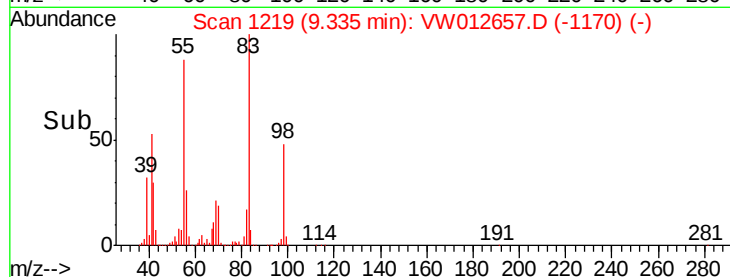
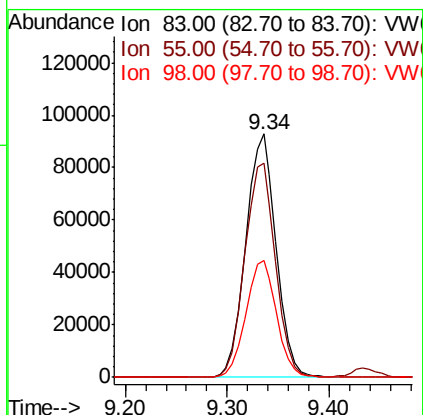
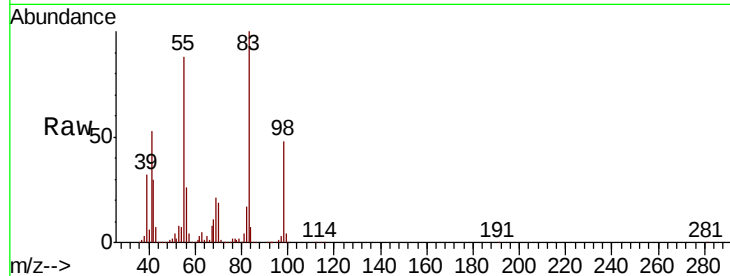




#39
Methylcyclohexane
Concen: 48.901 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012657.D
Acq: 05 Sep 2019 22:20

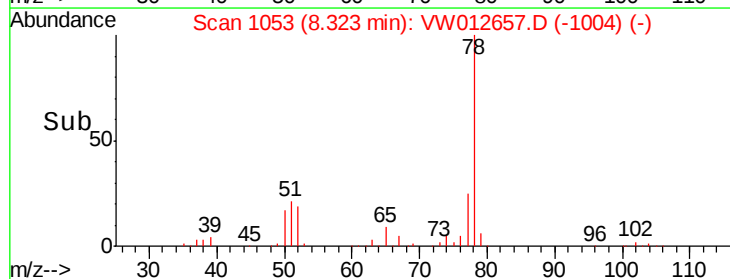
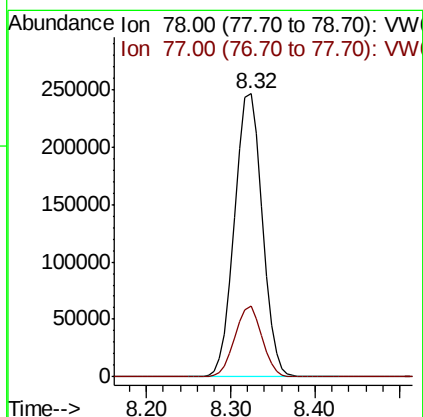
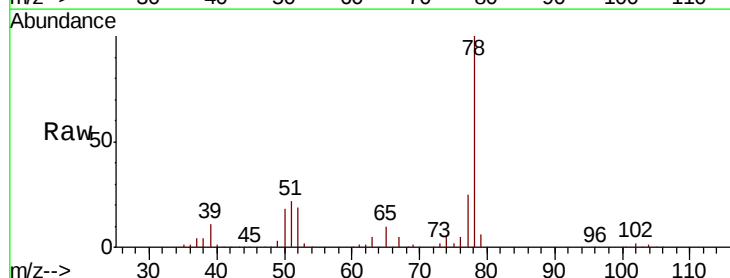
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

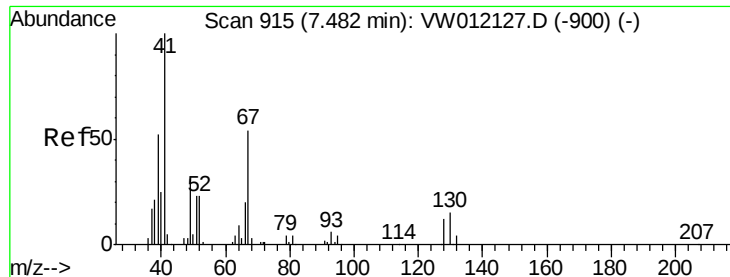
Tgt Ion: 83 Resp: 191905
Ion Ratio Lower Upper
83 100
55 87.9 71.8 107.8
98 48.2 37.8 56.8



#40
Benzene
Concen: 57.384 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012657.D
Acq: 05 Sep 2019 22:20

Tgt Ion: 78 Resp: 547355
Ion Ratio Lower Upper
78 100
77 25.0 19.5 29.3

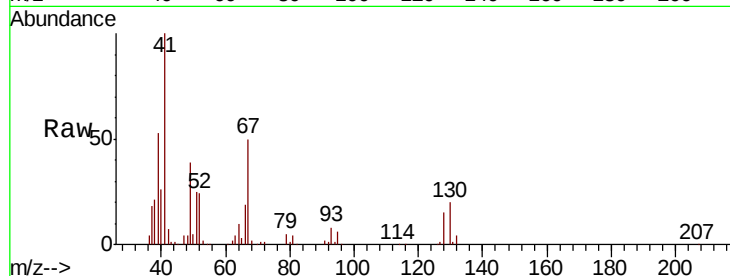




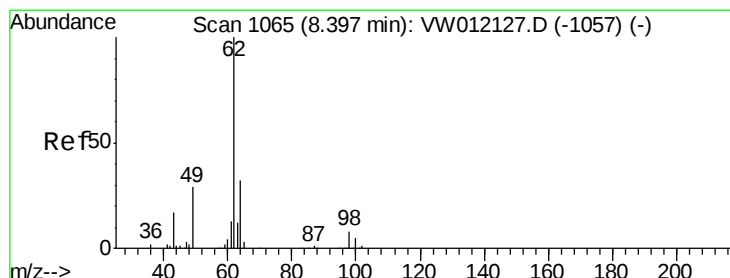
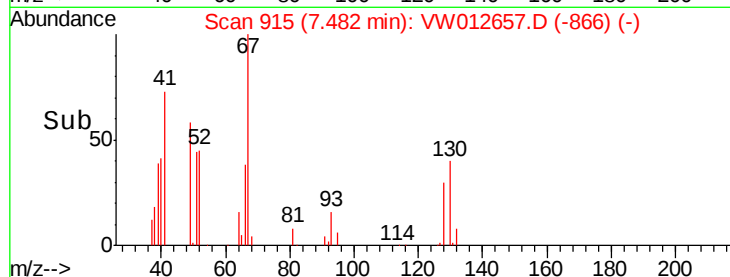
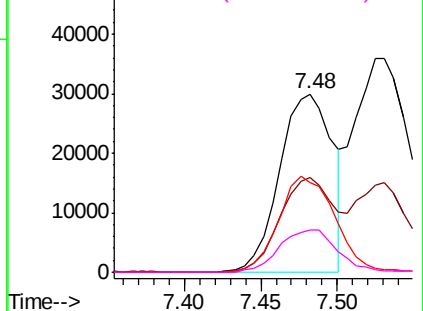
#41
Methacrylonitrile
Concen: 64.289 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012657.D
Acq: 05 Sep 2019 22:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:	41	Resp:	72328
Ion	Ratio	Lower	Upper
41	100		
39	57.4	45.8	68.8
67	57.5	46.2	69.4
52	26.9	21.0	31.6

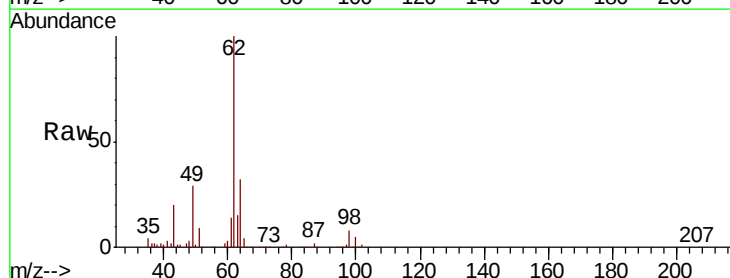


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

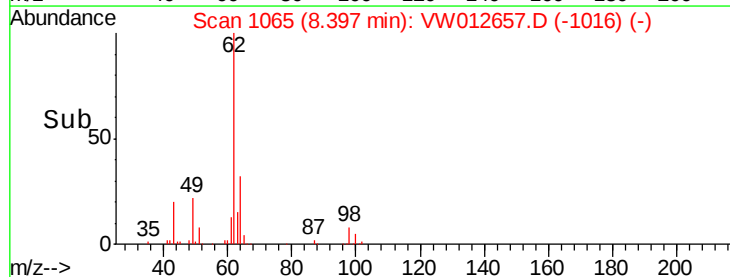
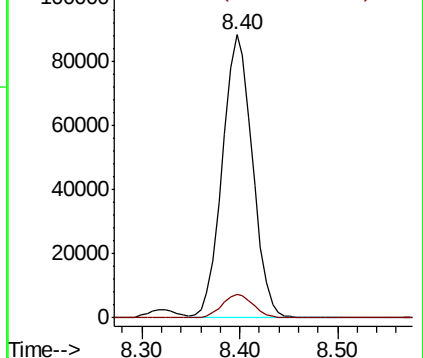


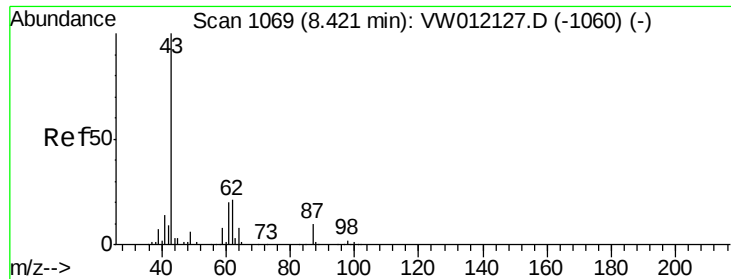
#42
1,2-Dichloroethane
Concen: 63.187 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012657.D
Acq: 05 Sep 2019 22:20

Tgt Ion:	62	Resp:	188892
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.6



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

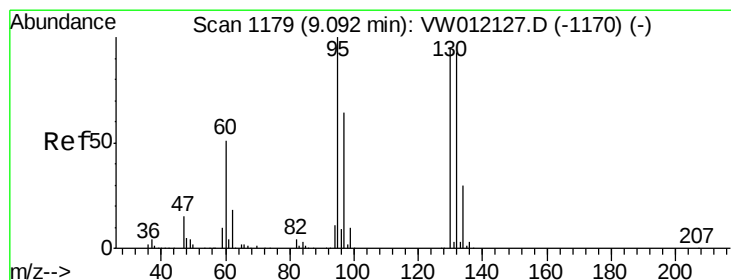
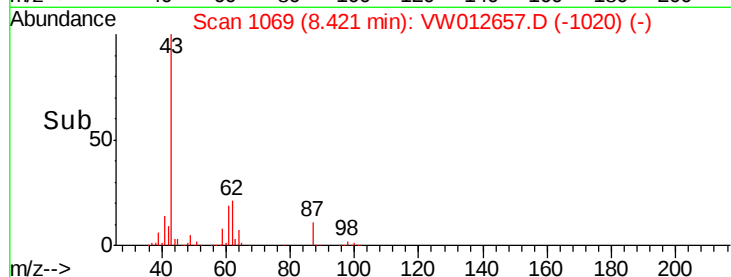
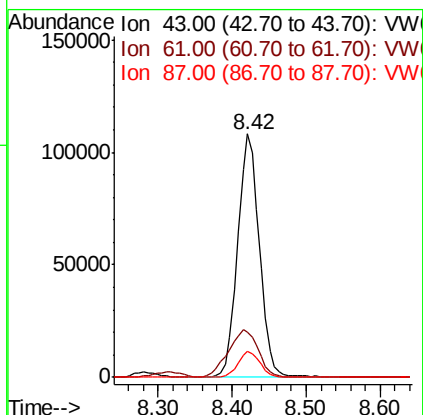
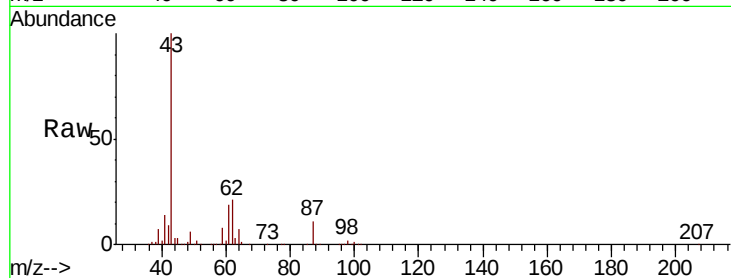




#43
Isopropyl Acetate
Concen: 62.242 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW012657.D
Acq: 05 Sep 2019 22:20

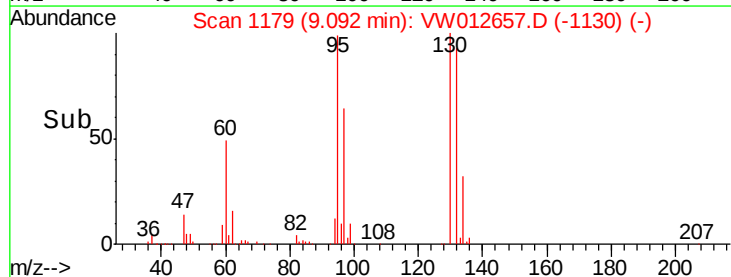
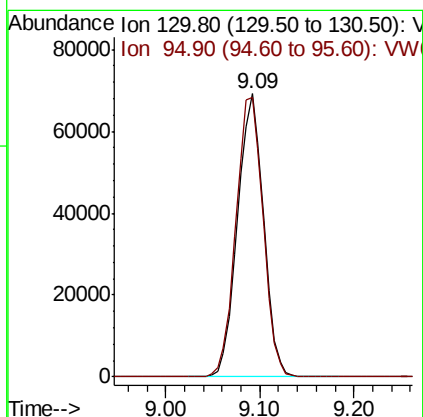
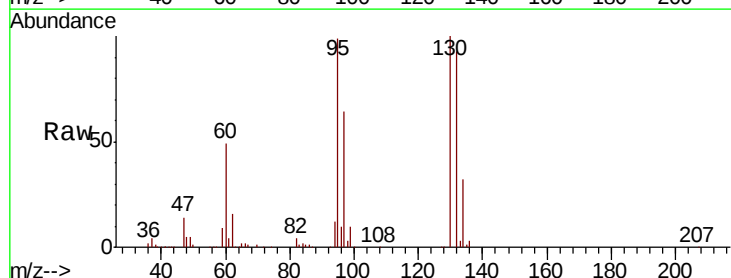
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

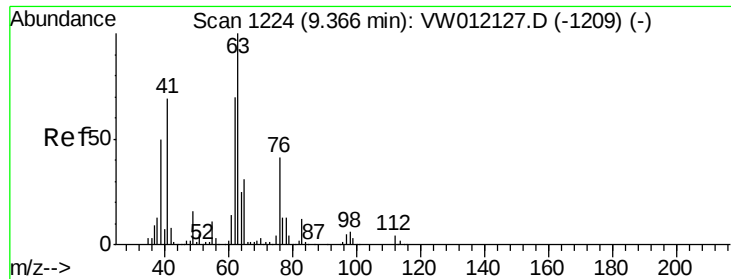
Tgt Ion: 43 Resp: 220692
Ion Ratio Lower Upper
43 100
61 26.6 21.1 31.7
87 10.6 8.2 12.2



#44
Trichloroethene
Concen: 57.482 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW012657.D
Acq: 05 Sep 2019 22:20

Tgt Ion: 130 Resp: 133286
Ion Ratio Lower Upper
130 100
95 98.6 0.0 210.6





#45

1,2-Dichloropropane

Concen: 53.966 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012657.D

Acq: 05 Sep 2019 22:20

Instrument :

MSVOA_W

ClientSampleId :

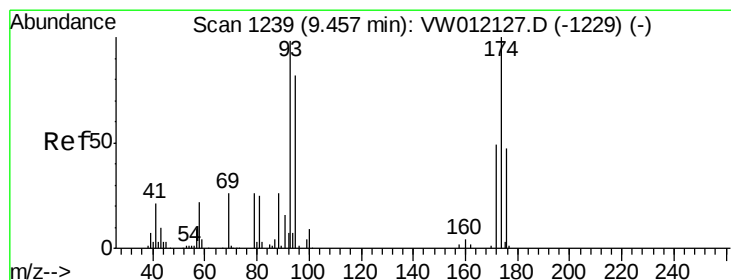
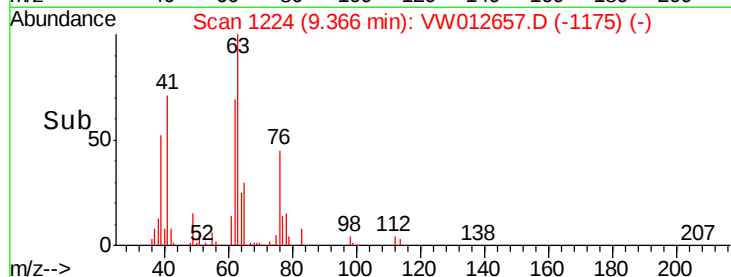
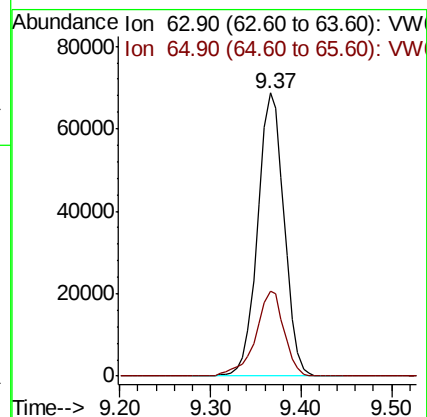
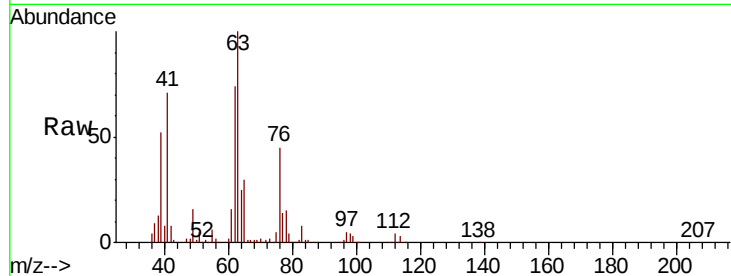
VSTDCCC050

Tgt Ion: 63 Resp: 138535

Ion Ratio Lower Upper

63 100

65 30.1 25.0 37.4



#46

Dibromomethane

Concen: 60.795 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012657.D

Acq: 05 Sep 2019 22:20

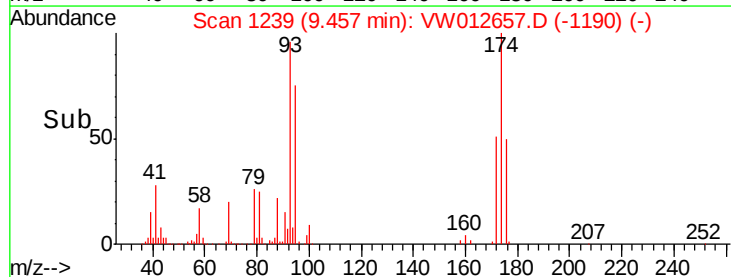
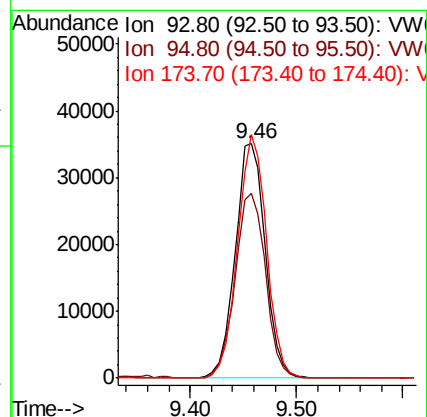
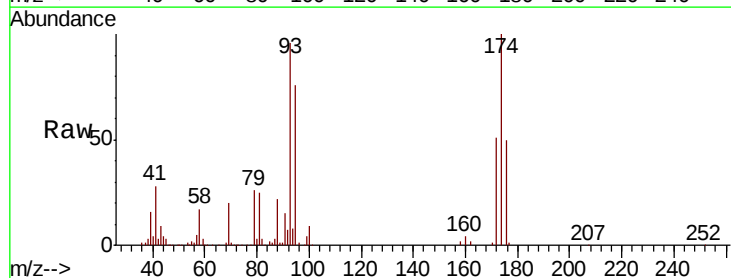
Tgt Ion: 93 Resp: 69438

Ion Ratio Lower Upper

93 100

95 80.0 67.2 100.8

174 100.2 79.0 118.6





#47

Bromodichloromethane

Concen: 56.628 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012657.D

Acq: 05 Sep 2019 22:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

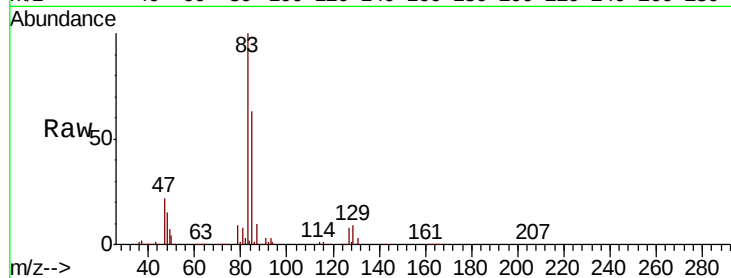
Tgt Ion: 83 Resp: 172138

Ion Ratio Lower Upper

83 100

85 63.5 49.4 74.2

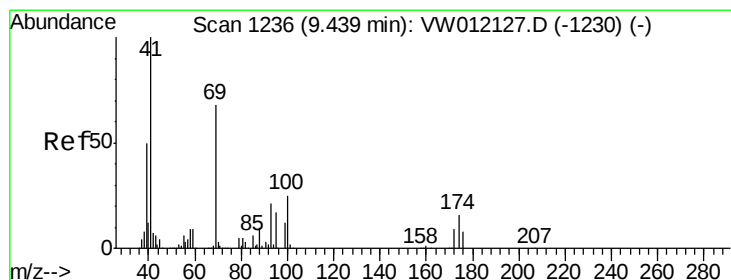
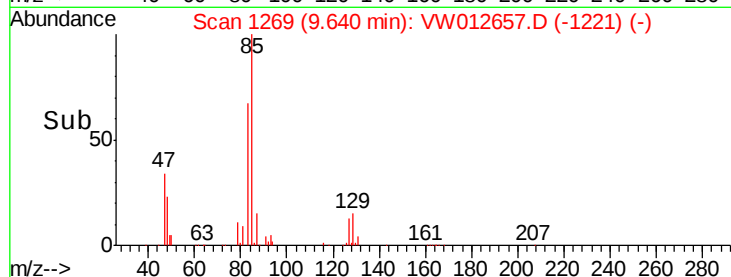
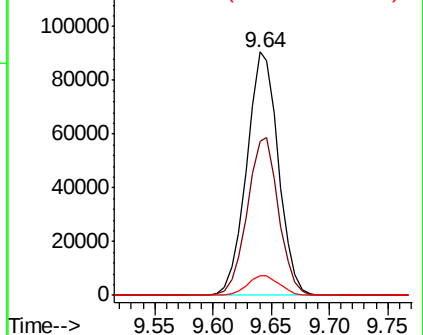
127 8.0 6.1 9.1



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 62.314 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW012657.D

Acq: 05 Sep 2019 22:20

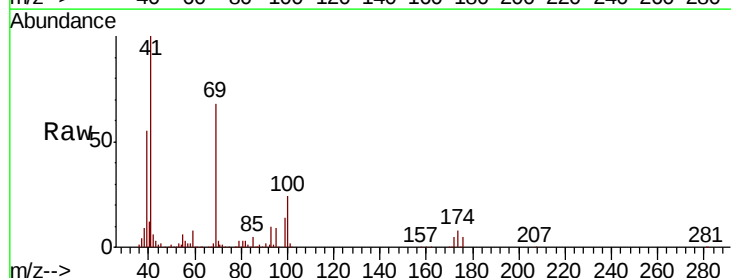
Tgt Ion: 41 Resp: 105160

Ion Ratio Lower Upper

41 100

69 71.3 56.7 85.1

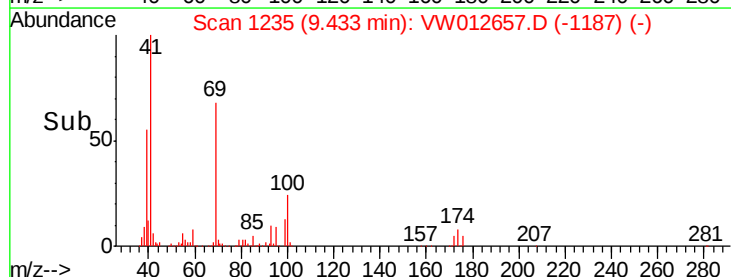
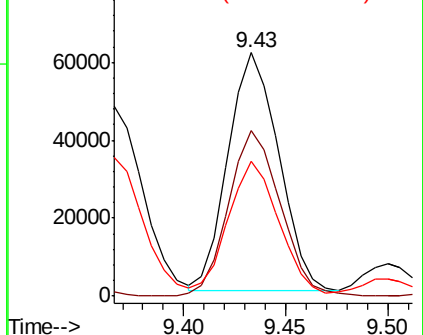
39 57.2 42.0 63.0

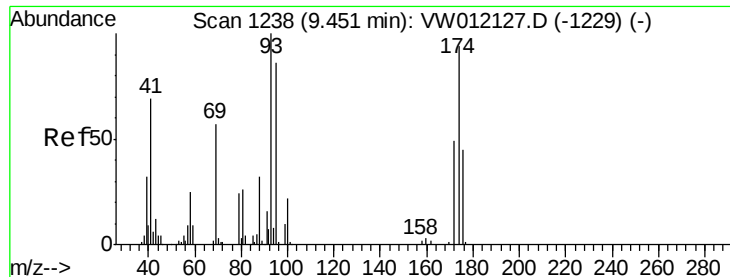


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

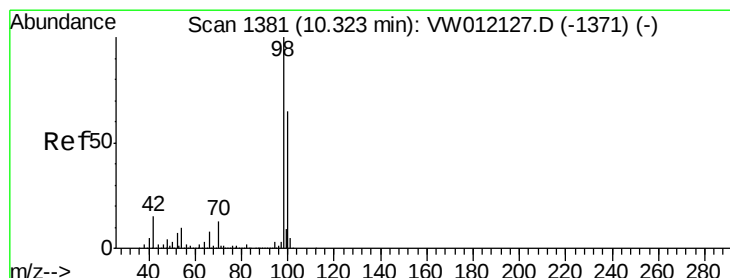
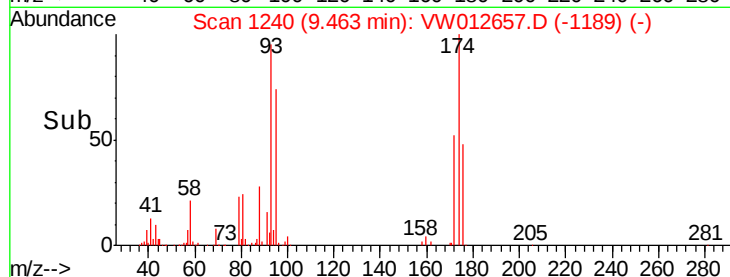
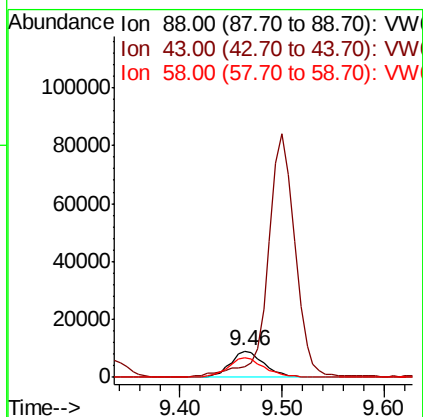
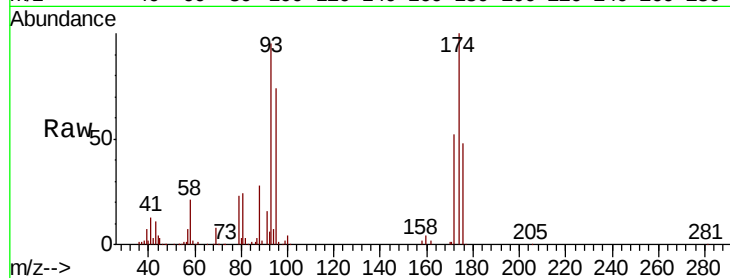




#49
 1,4-Dioxane
 Concen: 1193.405 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.01 min
 Lab File: VW012657.D
 Acq: 05 Sep 2019 22:20

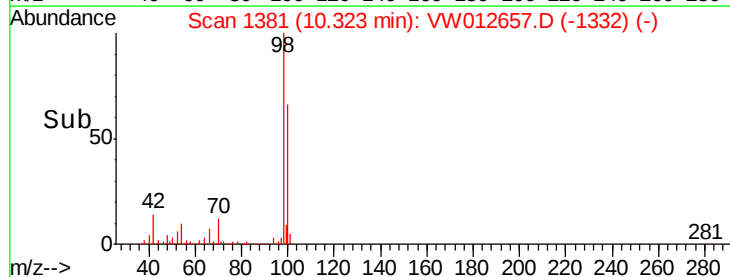
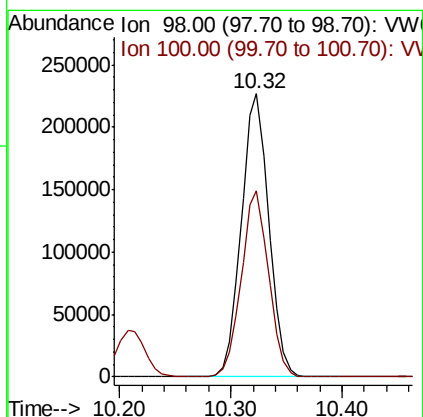
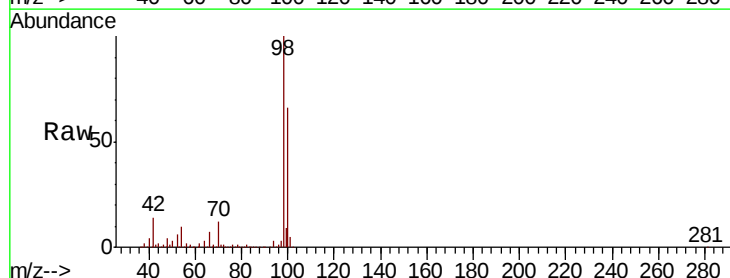
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 88 Resp: 20867
 Ion Ratio Lower Upper
 88 100
 43 0.0 32.9 49.3#
 58 82.9 71.0 106.4



#50
 Toluene-d8
 Concen: 47.508 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW012657.D
 Acq: 05 Sep 2019 22:20

Tgt Ion: 98 Resp: 388682
 Ion Ratio Lower Upper
 98 100
 100 64.9 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 297.365 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012657.D

Acq: 05 Sep 2019 22:20

Instrument :

MSVOA_W

ClientSampleId :

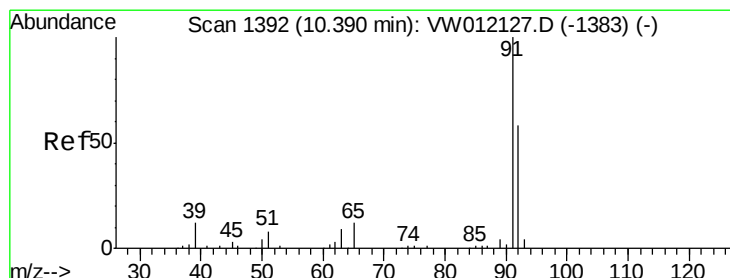
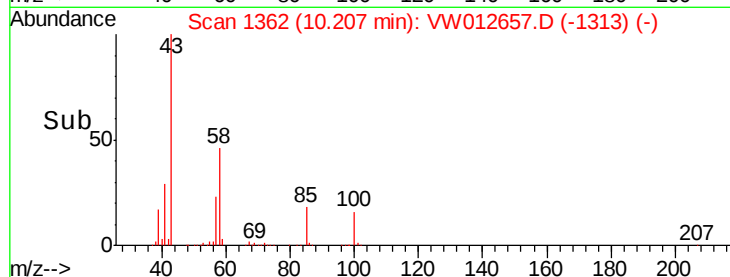
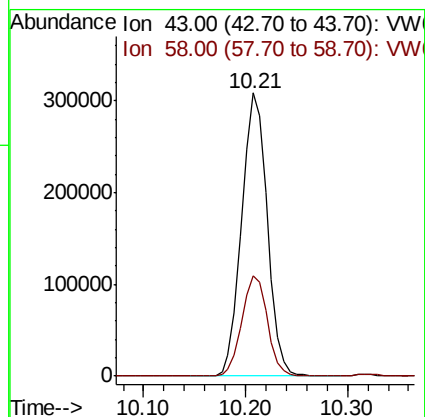
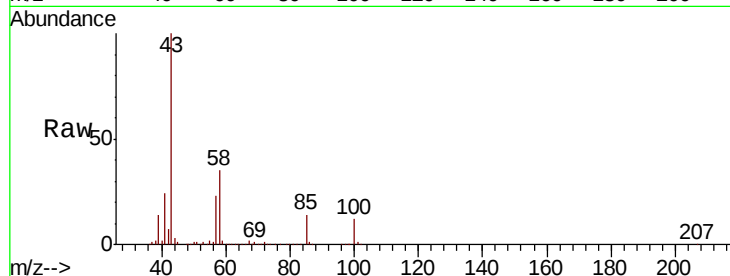
VSTDCCC050

Tgt Ion: 43 Resp: 536288

Ion Ratio Lower Upper

43 100

58 35.5 28.2 42.2



#52

Toluene

Concen: 56.570 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012657.D

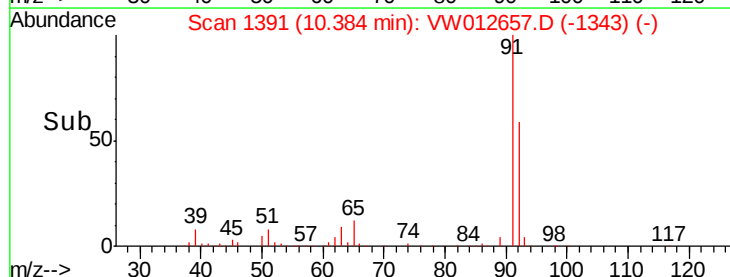
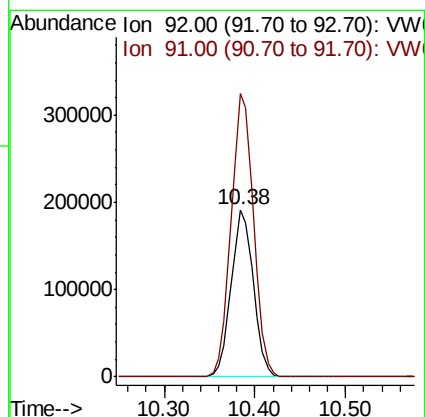
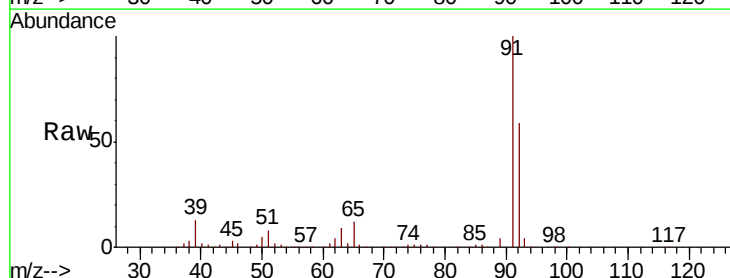
Acq: 05 Sep 2019 22:20

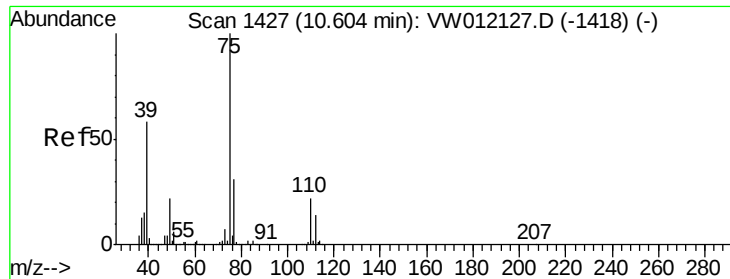
Tgt Ion: 92 Resp: 324153

Ion Ratio Lower Upper

92 100

91 172.0 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 60.750 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012657.D

Acq: 05 Sep 2019 22:20

Instrument :

MSVOA_W

ClientSampleId :

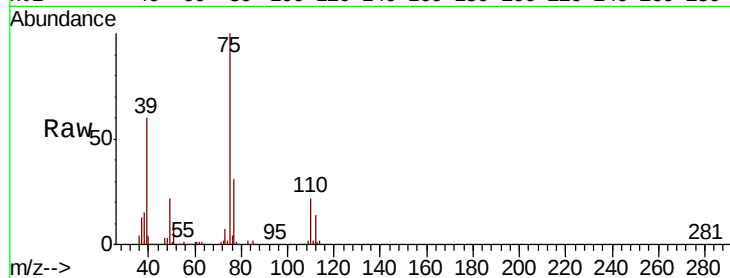
VSTDCCC050

Tgt Ion: 75 Resp: 188105

Ion Ratio Lower Upper

75 100

77 30.8 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.60

120000

100000

80000

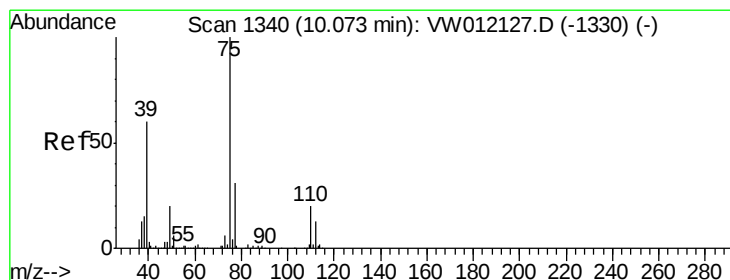
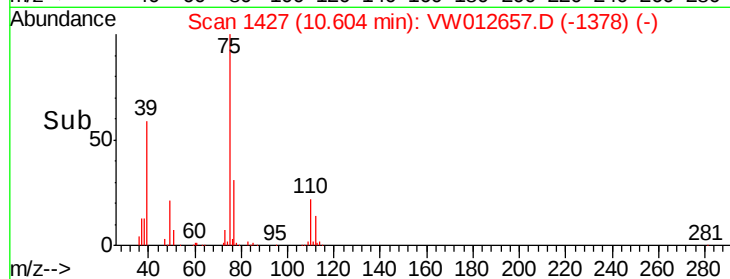
60000

40000

20000

0

Time--> 10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 57.189 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012657.D

Acq: 05 Sep 2019 22:20

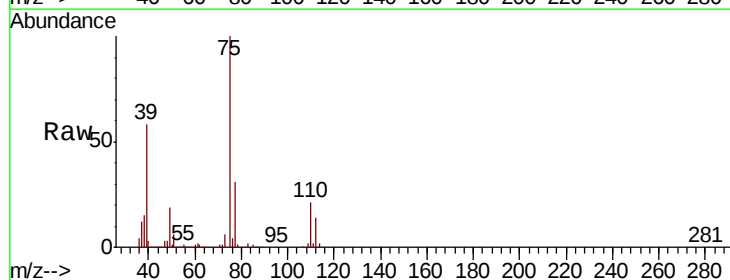
Tgt Ion: 75 Resp: 213816

Ion Ratio Lower Upper

75 100

77 31.1 25.1 37.7

39 57.8 48.3 72.5



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

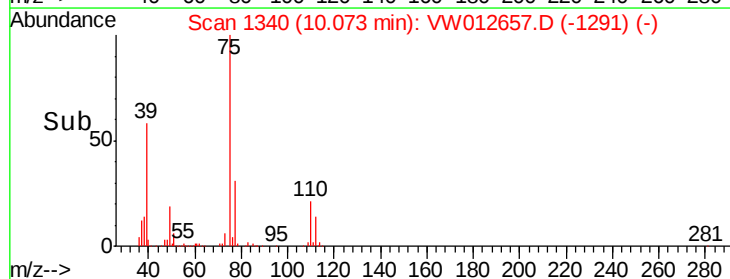
150000

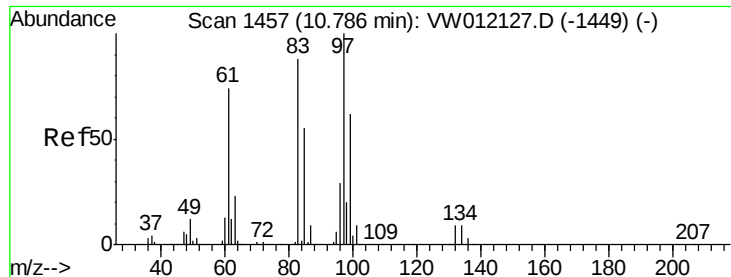
100000

50000

0

Time--> 10.00 10.10

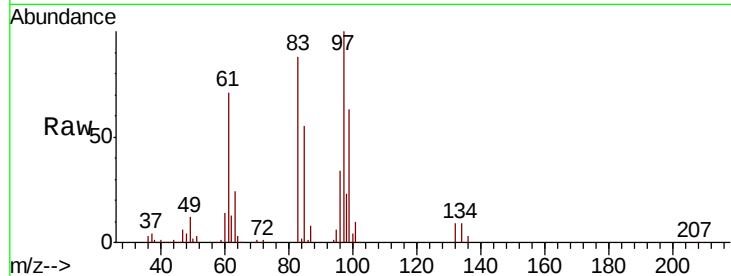




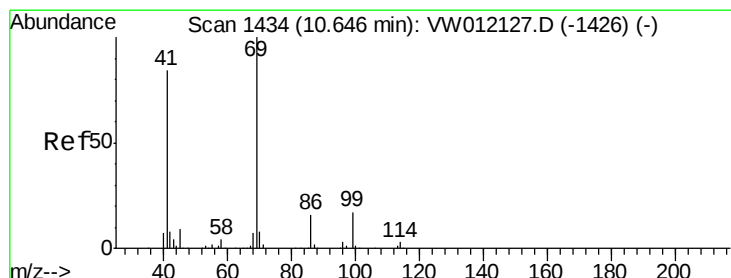
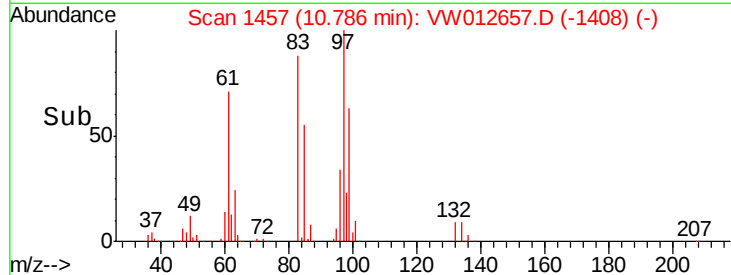
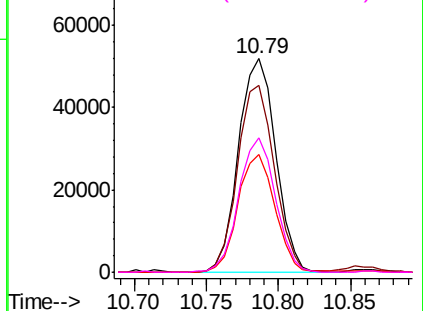
#55
 1,1,2-Trichloroethane
 Concen: 57.763 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012657.D
 Acq: 05 Sep 2019 22:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 97 Resp: 93346
 Ion Ratio Lower Upper
 97 100
 83 87.6 70.8 106.2
 85 55.1 43.8 65.8
 99 62.8 49.8 74.6

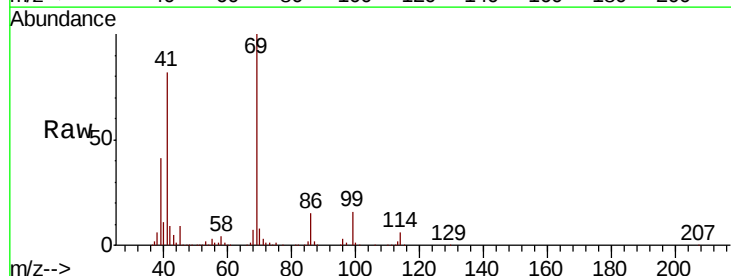


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

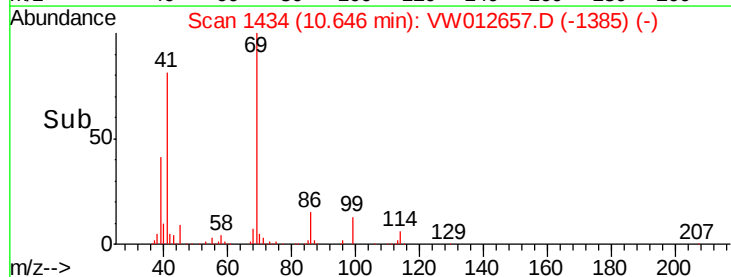
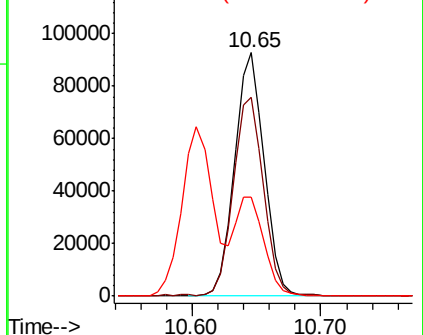


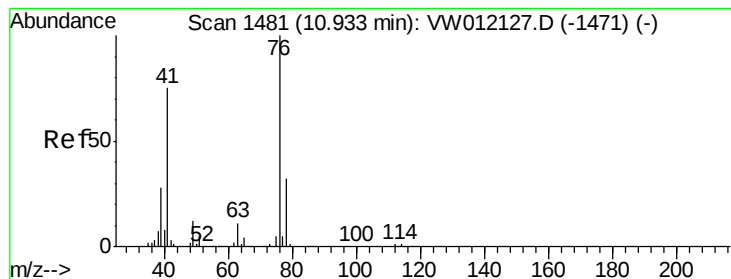
#56
 Ethyl methacrylate
 Concen: 62.850 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012657.D
 Acq: 05 Sep 2019 22:20

Tgt Ion: 69 Resp: 147822
 Ion Ratio Lower Upper
 69 100
 41 83.4 66.5 99.7
 39 38.9 31.0 46.4



Abundance Ion 69.00 (68.70 to 69.70): VW
 Ion 41.00 (40.70 to 41.70): VW
 Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 57.481 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW012657.D

Acq: 05 Sep 2019 22:20

Instrument :

MSVOA_W

ClientSampleId :

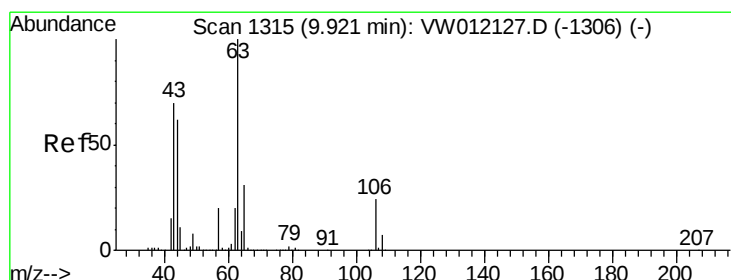
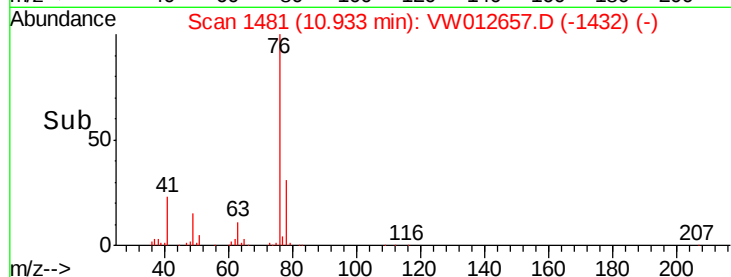
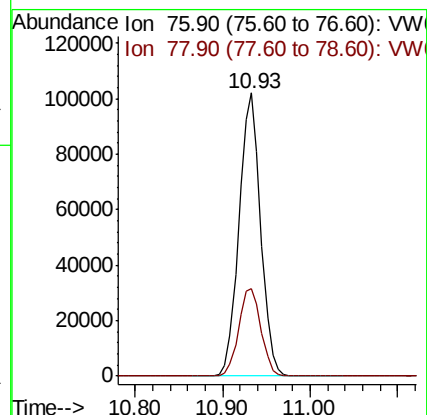
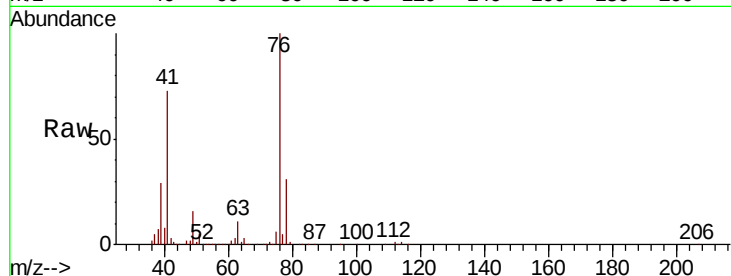
VSTDCCC050

Tgt Ion: 76 Resp: 175537

Ion Ratio Lower Upper

76 100

78 32.1 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 268.158 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW012657.D

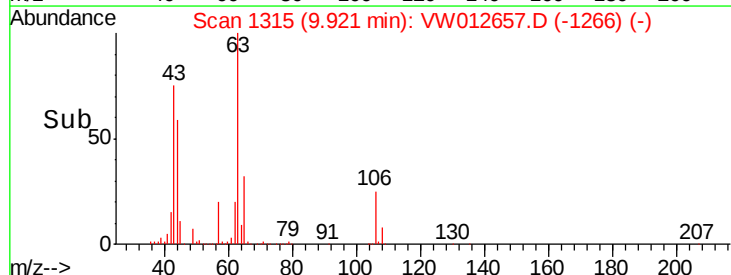
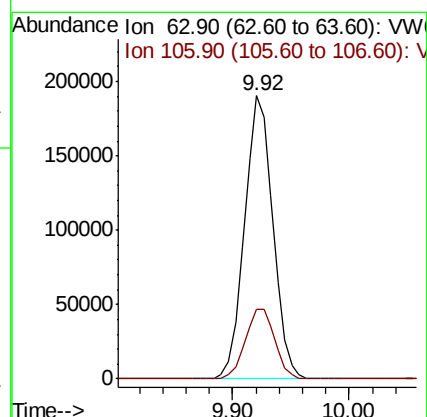
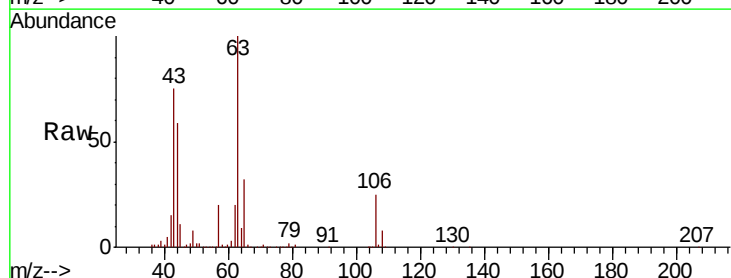
Acq: 05 Sep 2019 22:20

Tgt Ion: 63 Resp: 323689

Ion Ratio Lower Upper

63 100

106 25.5 19.8 29.8





#59

2-Hexanone

Concen: 286.695 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW012657.D

Acq: 05 Sep 2019 22:20

Instrument :

MSVOA_W

ClientSampleId :

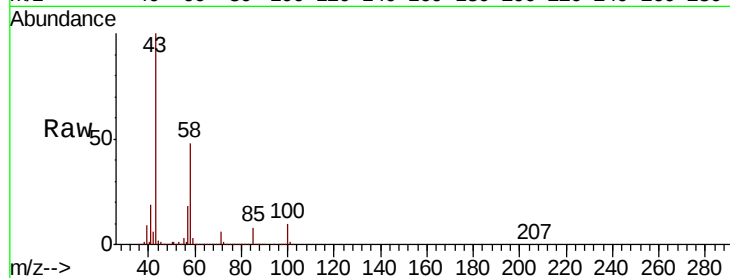
VSTDCCC050

Tgt Ion: 43 Resp: 365842

Ion Ratio Lower Upper

43 100

58 48.8 24.3 72.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.97

250000

200000

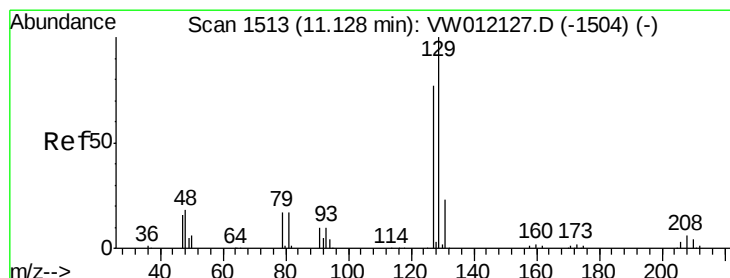
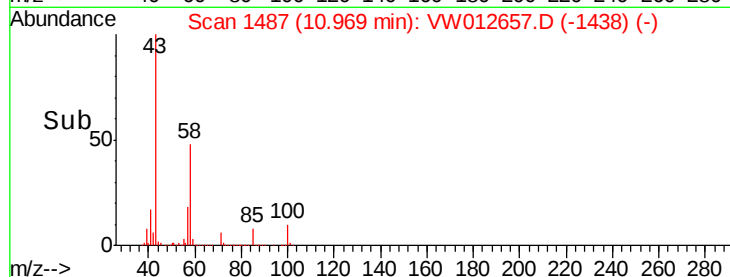
150000

100000

50000

0

Time-->



#60

Dibromochloromethane

Concen: 60.227 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW012657.D

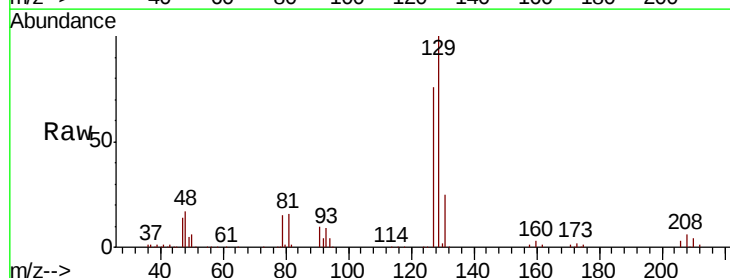
Acq: 05 Sep 2019 22:20

Tgt Ion: 129 Resp: 108406

Ion Ratio Lower Upper

129 100

127 78.0 38.6 115.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

11.13

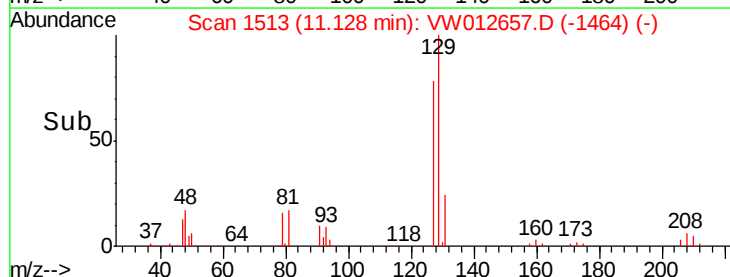
60000

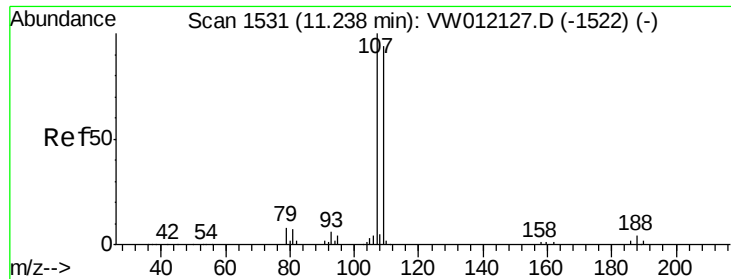
40000

20000

0

Time-->

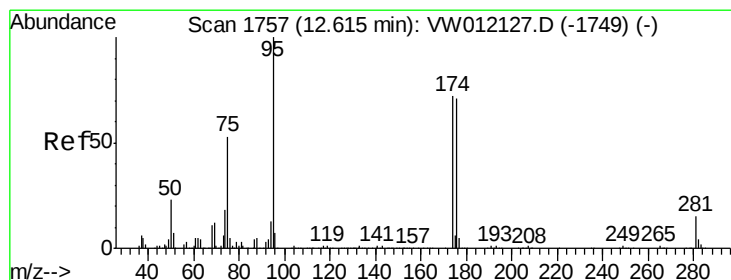
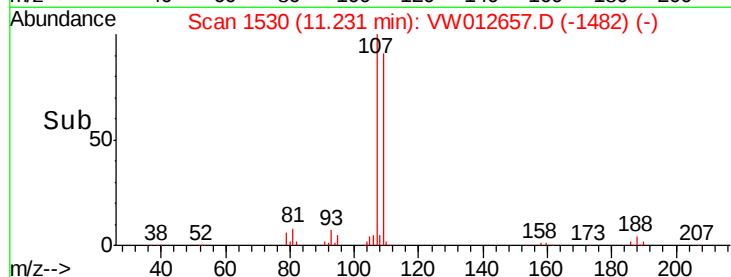
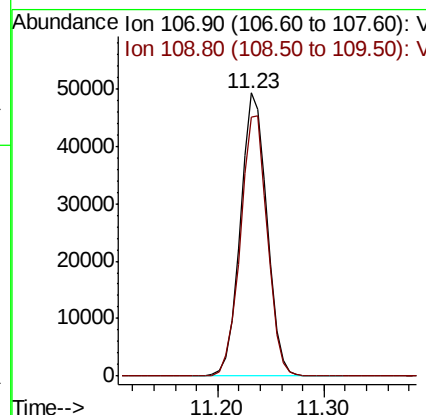
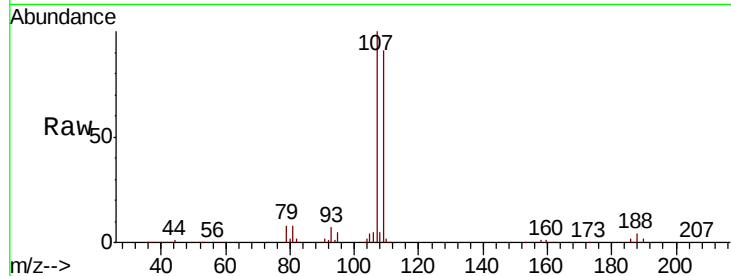




#61
 1,2-Dibromoethane
 Concen: 57.322 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012657.D
 Acq: 05 Sep 2019 22:20

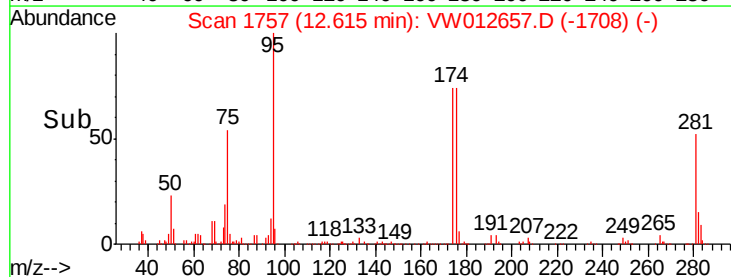
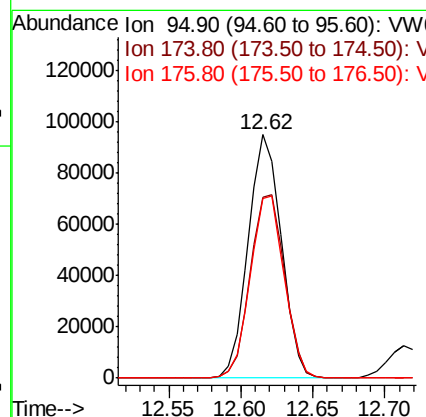
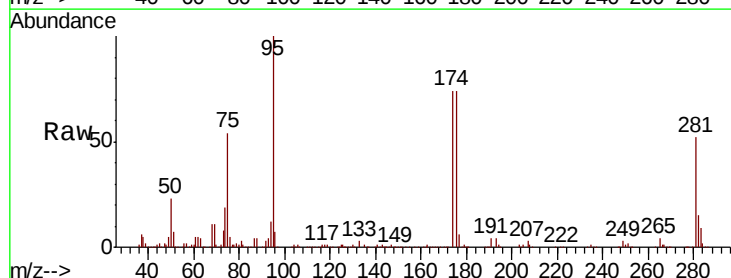
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

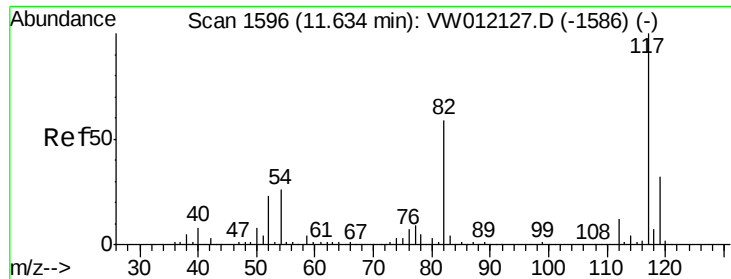
Tgt Ion: 107 Resp: 86299
 Ion Ratio Lower Upper
 107 100
 109 93.3 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 52.488 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012657.D
 Acq: 05 Sep 2019 22:20

Tgt Ion: 95 Resp: 151370
 Ion Ratio Lower Upper
 95 100
 174 78.5 0.0 150.8
 176 76.6 0.0 148.6

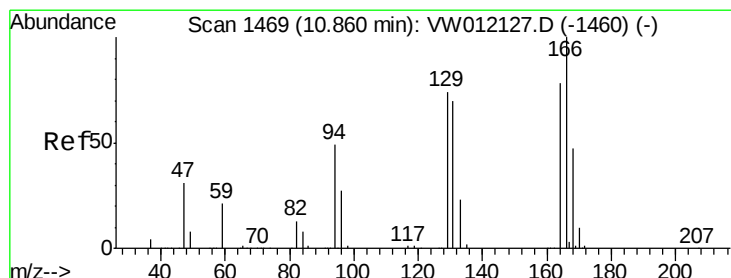
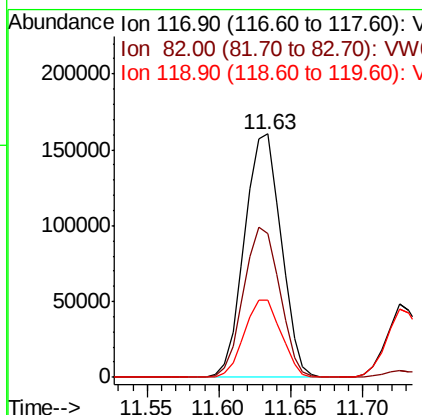
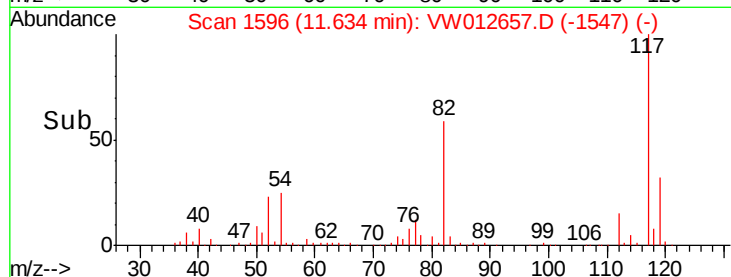
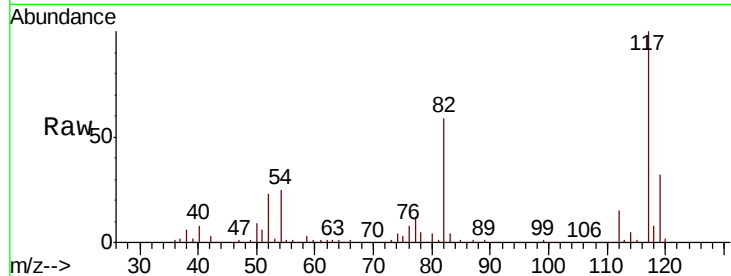




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012657.D
Acq: 05 Sep 2019 22:20

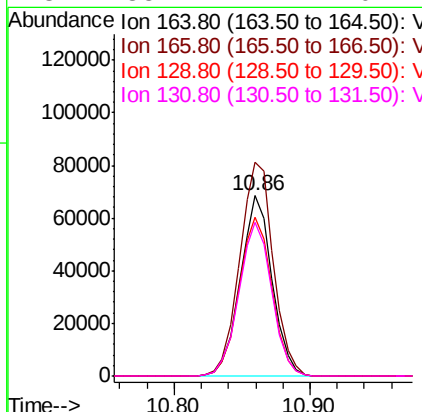
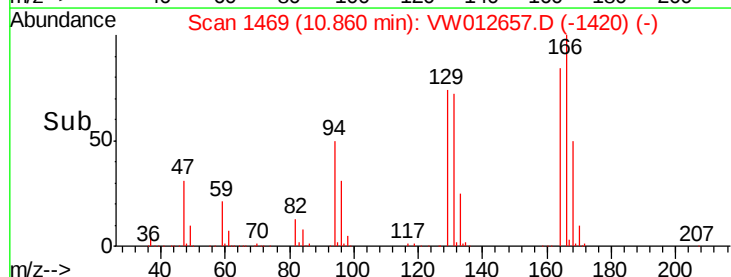
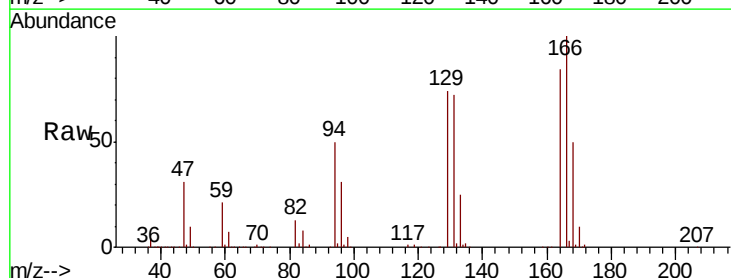
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

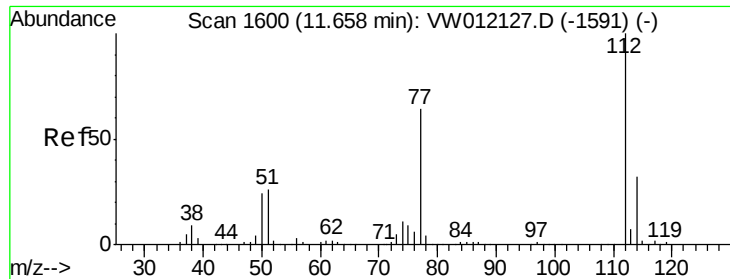
Tgt Ion:117 Resp: 283398
Ion Ratio Lower Upper
117 100
82 58.9 47.4 71.2
119 31.9 25.4 38.2



#64
Tetrachloroethene
Concen: 60.557 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012657.D
Acq: 05 Sep 2019 22:20

Tgt Ion:164 Resp: 111265
Ion Ratio Lower Upper
164 100
166 118.3 102.4 153.6
129 87.8 75.8 113.6
131 85.4 71.4 107.2





#65

Chlorobenzene

Concen: 58.422 ug/l

RT: 11.65 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VW012657.D

Acq: 05 Sep 2019 22:20

Instrument :

MSVOA_W

ClientSampleId :

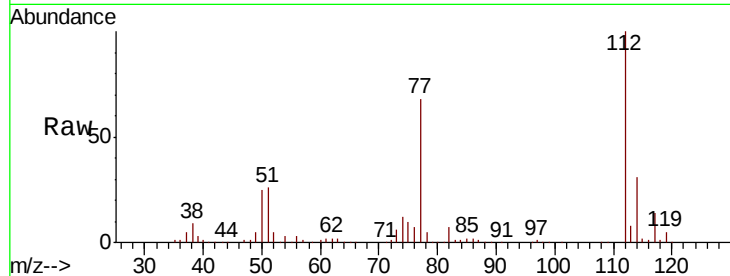
VSTDCCC050

Tgt Ion:112 Resp: 326013

Ion Ratio Lower Upper

112 100

114 31.1 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.65

200000

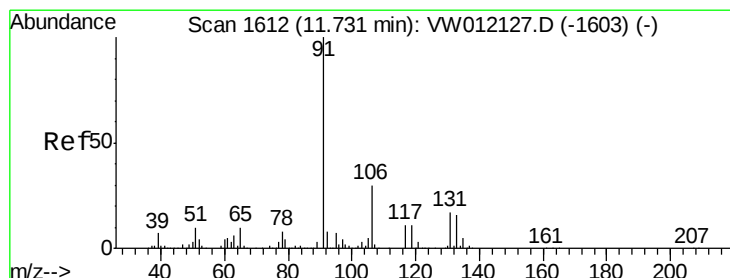
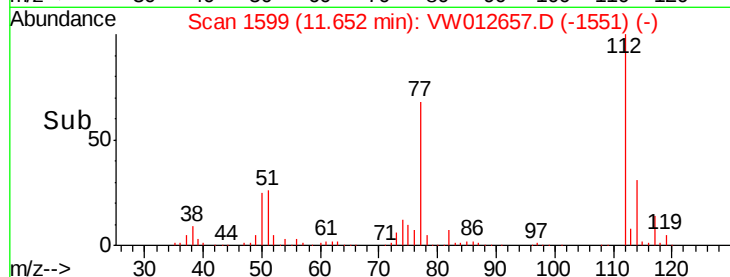
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 63.494 ug/l

RT: 11.73 min Scan# 1611

Delta R.T. -0.01 min

Lab File: VW012657.D

Acq: 05 Sep 2019 22:20

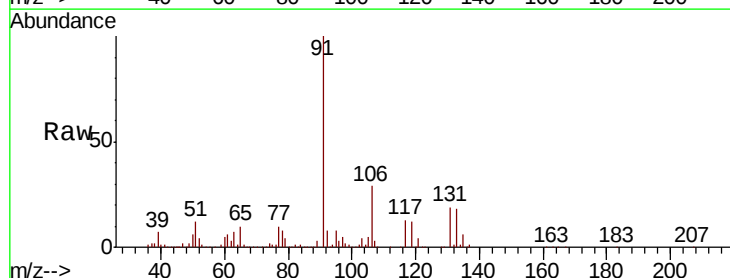
Tgt Ion:131 Resp: 123608

Ion Ratio Lower Upper

131 100

133 94.9 47.1 141.3

119 61.9 31.8 95.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.73

80000

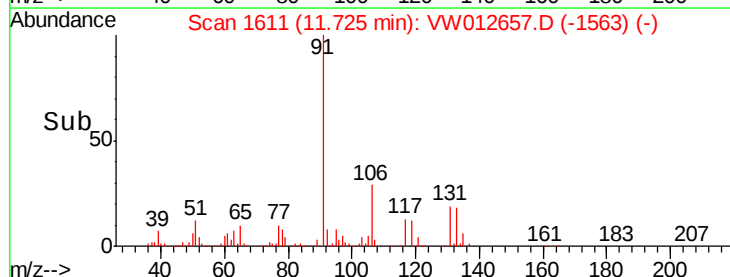
60000

40000

20000

0

Time-->

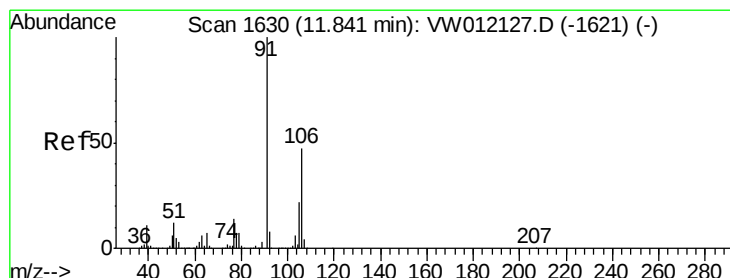
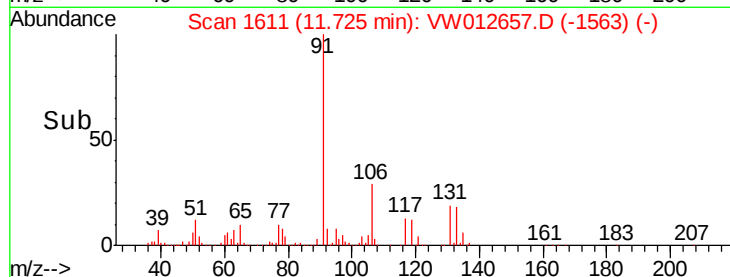
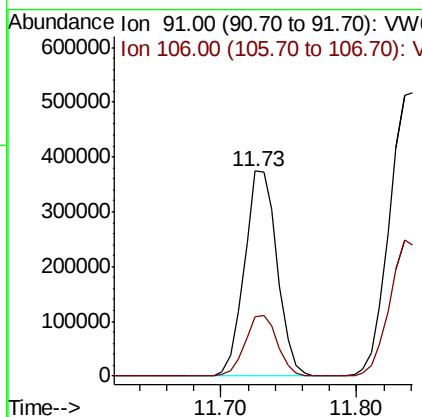
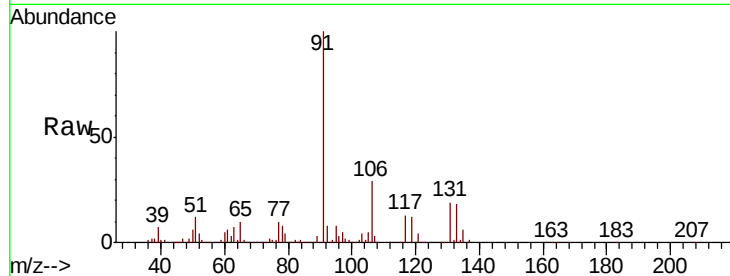




#67
Ethyl Benzene
Concen: 58.451 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW012657.D
Acq: 05 Sep 2019 22:20

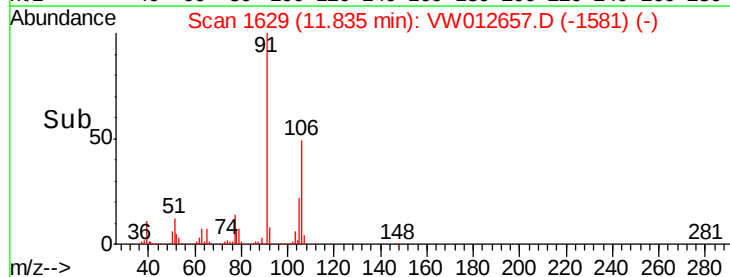
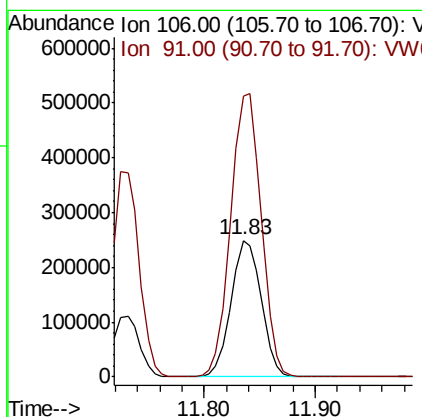
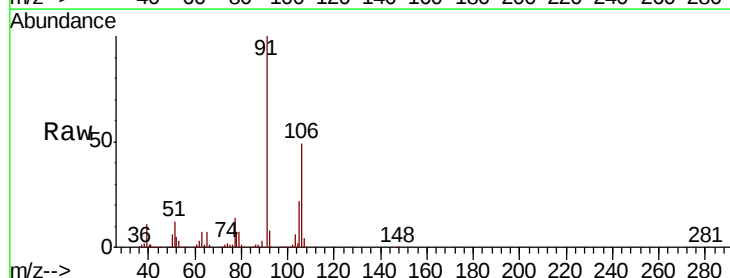
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

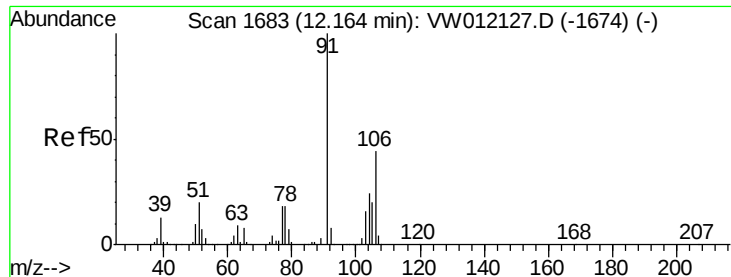
Tgt Ion: 91 Resp: 628329
Ion Ratio Lower Upper
91 100
106 29.2 24.3 36.5



#68
m/p-Xylenes
Concen: 120.249 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW012657.D
Acq: 05 Sep 2019 22:20

Tgt Ion: 106 Resp: 465618
Ion Ratio Lower Upper
106 100
91 211.0 169.5 254.3

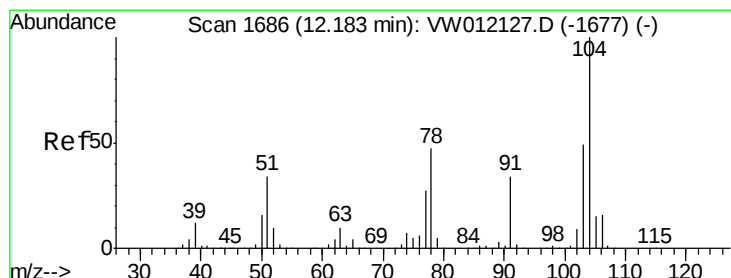
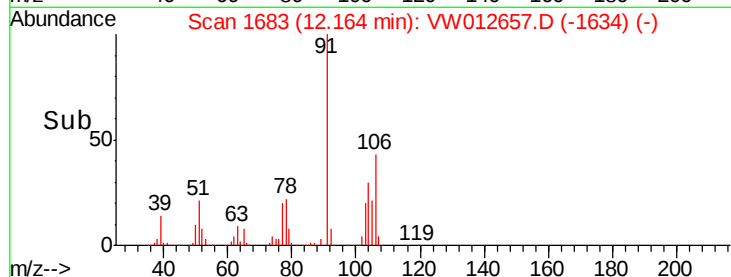
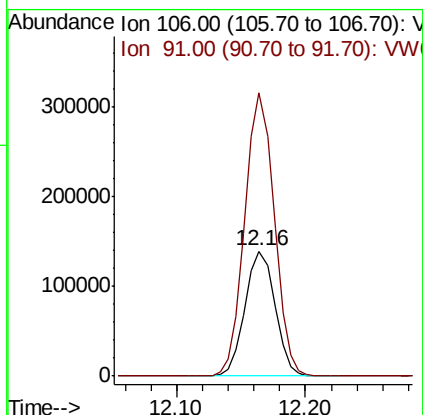
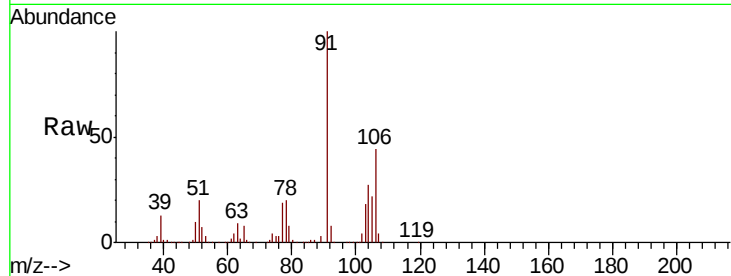




#69
o-Xylene
Concen: 62.368 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012657.D
Acq: 05 Sep 2019 22:20

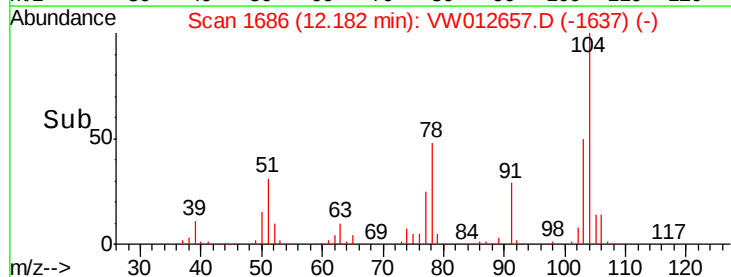
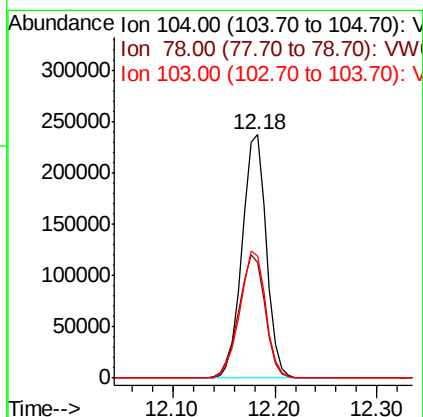
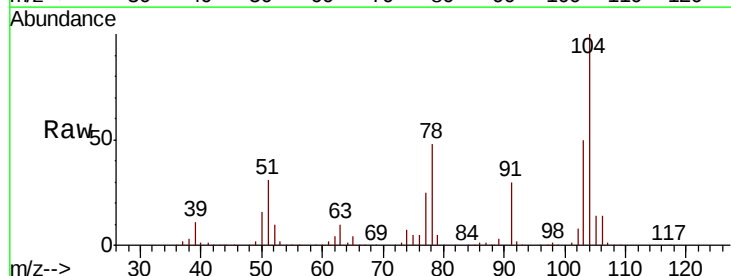
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

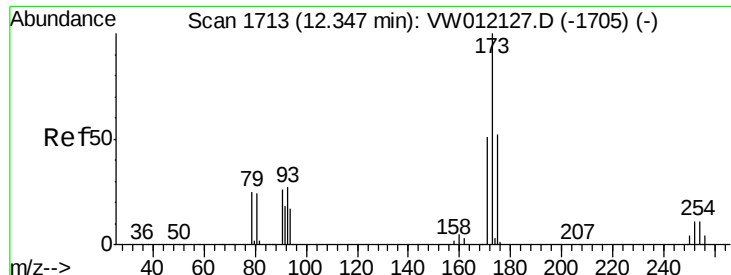
Tgt Ion:106 Resp: 223514
Ion Ratio Lower Upper
106 100
91 223.4 111.6 334.6



#70
Styrene
Concen: 62.823 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012657.D
Acq: 05 Sep 2019 22:20

Tgt Ion:104 Resp: 389699
Ion Ratio Lower Upper
104 100
78 55.0 43.1 64.7
103 55.8 43.5 65.3





#71

Bromoform

Concen: 71.481 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012657.D

Acq: 05 Sep 2019 22:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

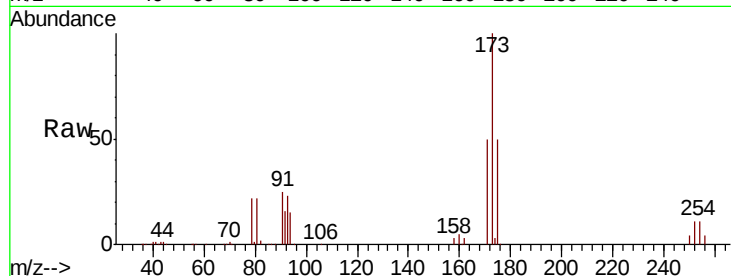
Tgt Ion:173 Resp: 69332

Ion Ratio Lower Upper

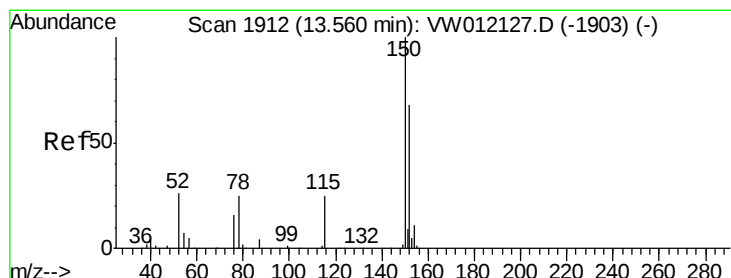
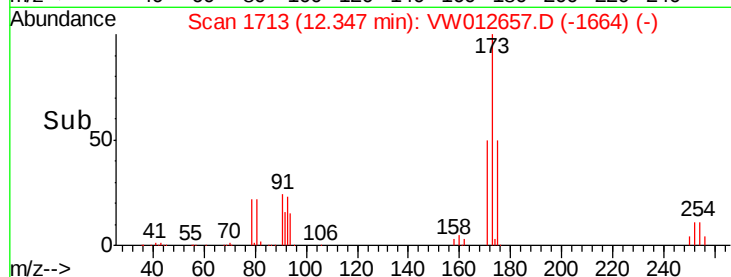
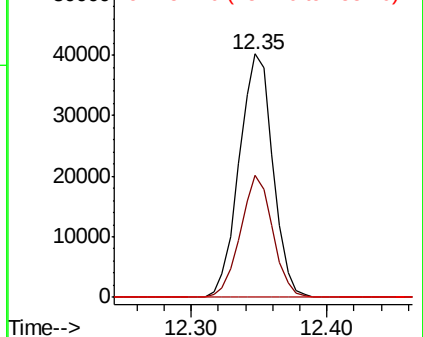
173 100

175 48.1 24.6 74.0

254 0.1 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012657.D

Acq: 05 Sep 2019 22:20

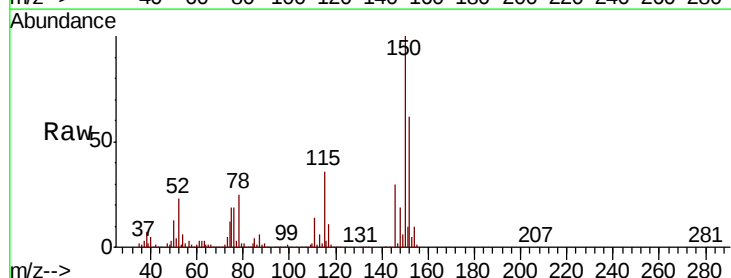
Tgt Ion:152 Resp: 147675

Ion Ratio Lower Upper

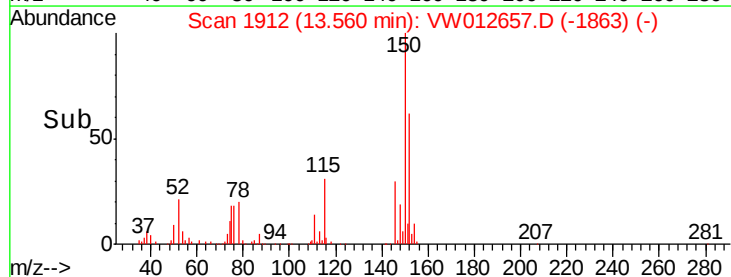
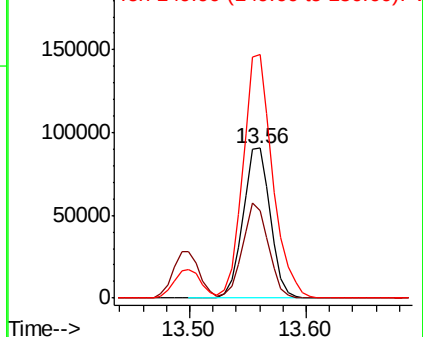
152 100

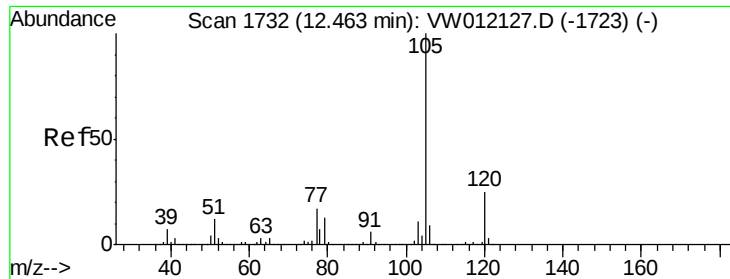
115 60.2 30.1 90.3

150 175.9 0.0 345.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 56.626 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012657.D

Acq: 05 Sep 2019 22:20

Instrument :

MSVOA_W

ClientSampleId :

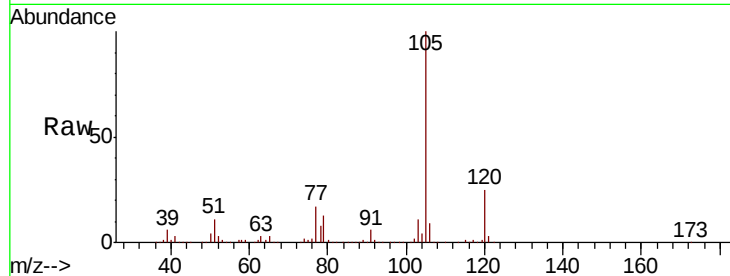
VSTDCCC050

Tgt Ion:105 Resp: 626596

Ion Ratio Lower Upper

105 100

120 25.4 12.5 37.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

400000

300000

200000

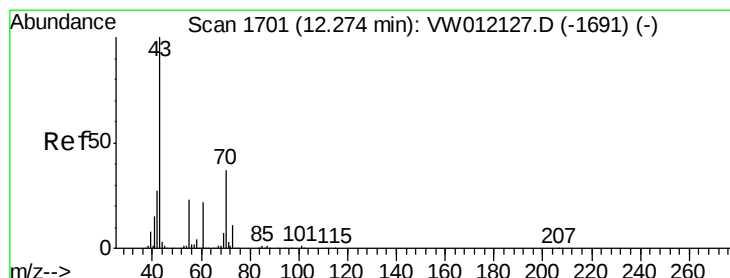
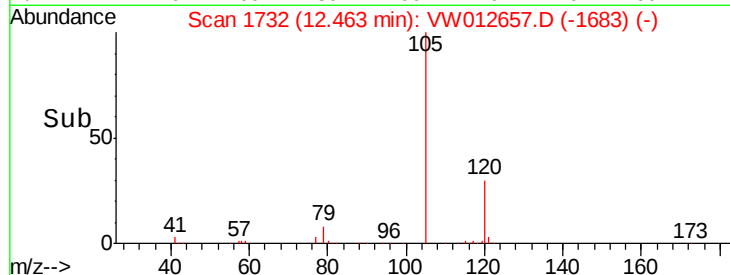
100000

0

Time-->

12.40

12.50



#74

N-ethyl acetate

Concen: 58.485 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012657.D

Acq: 05 Sep 2019 22:20

Tgt Ion: 43 Resp: 195528

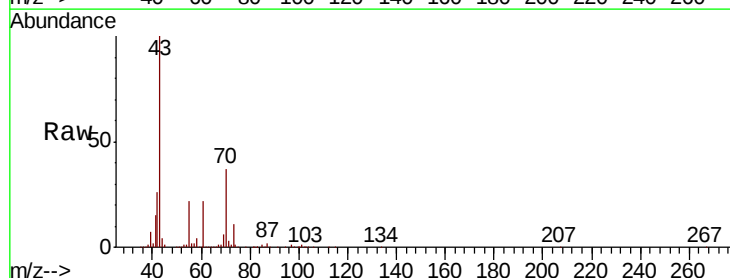
Ion Ratio Lower Upper

43 100

70 36.1 28.6 43.0

55 22.7 17.8 26.6

61 21.5 17.3 25.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

200000

150000

100000

50000

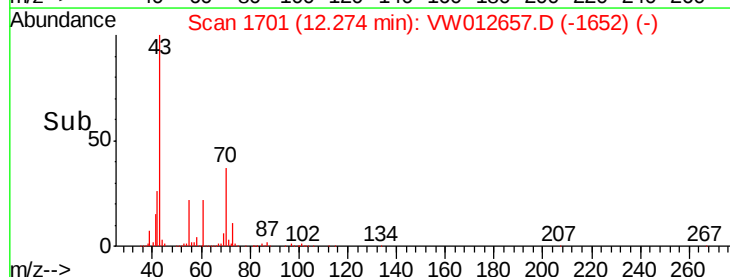
0

Time-->

12.20

12.30

12.40





#75

1,1,2,2-Tetrachloroethane

Concen: 58.844 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012657.D

Acq: 05 Sep 2019 22:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

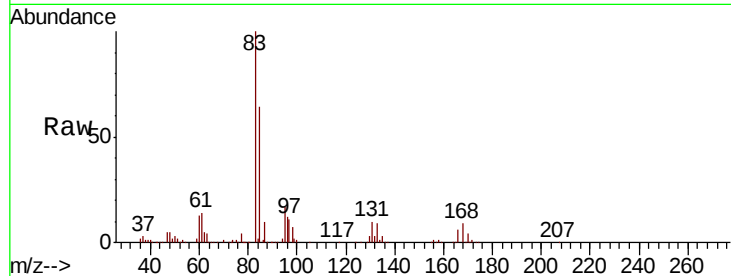
Tgt Ion: 83 Resp: 119373

Ion Ratio Lower Upper

83 100

131 10.7 4.9 14.7

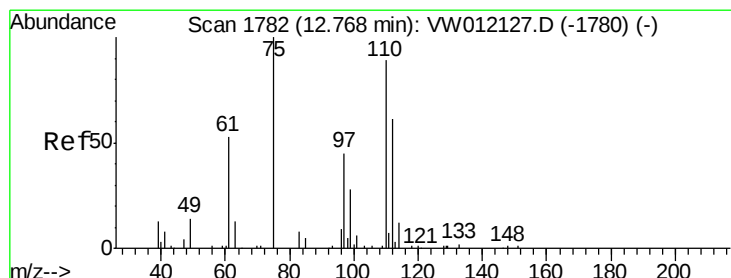
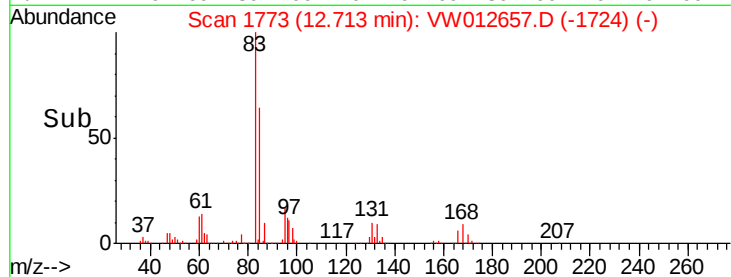
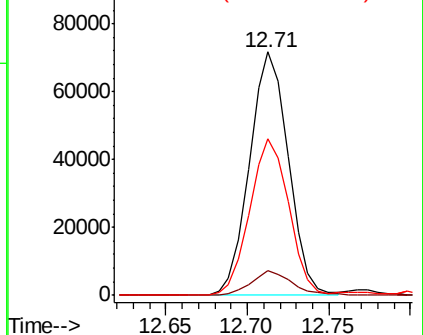
85 64.4 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 113.561 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012657.D

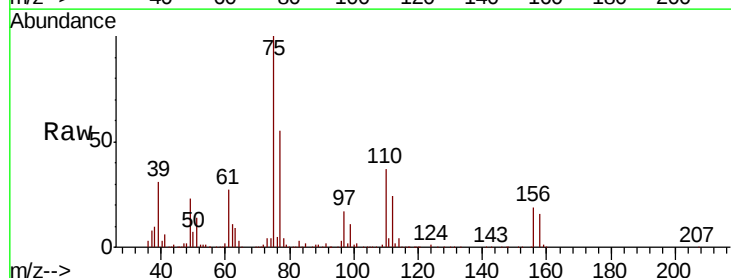
Acq: 05 Sep 2019 22:20

Tgt Ion: 75 Resp: 163329

Ion Ratio Lower Upper

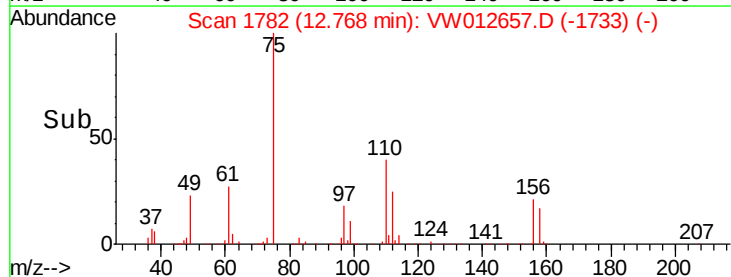
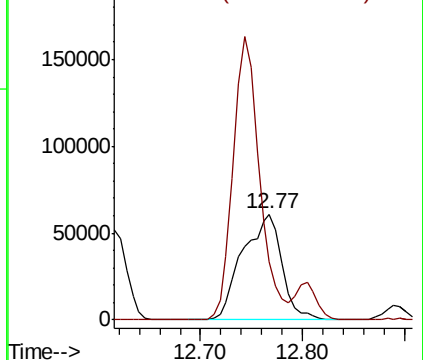
75 100

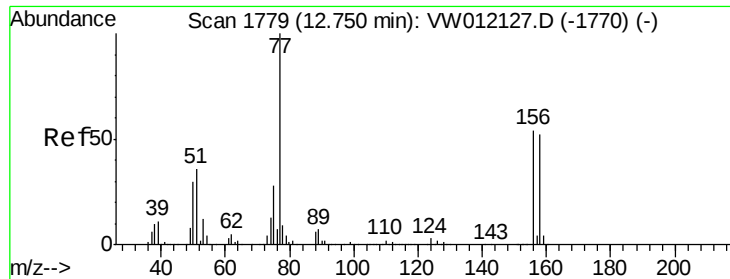
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 60.254 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012657.D

Acq: 05 Sep 2019 22:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

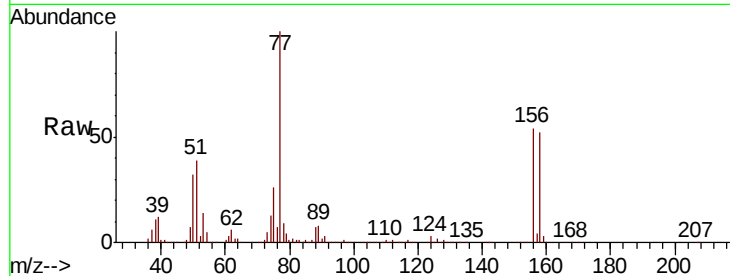
Tgt Ion:156 Resp: 144242

Ion Ratio Lower Upper

156 100

77 204.2 107.3 321.8

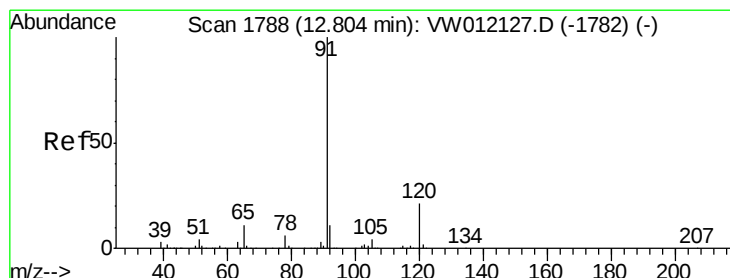
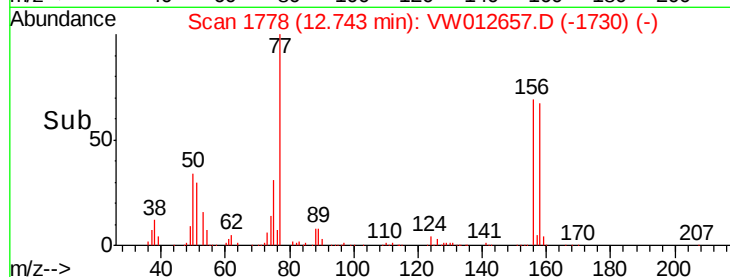
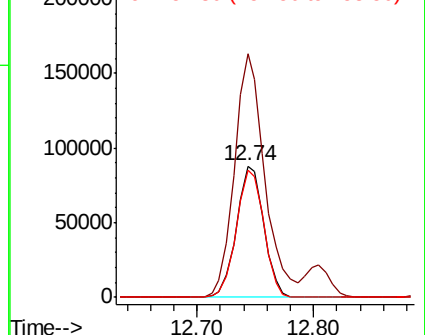
158 97.8 49.0 147.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.785 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012657.D

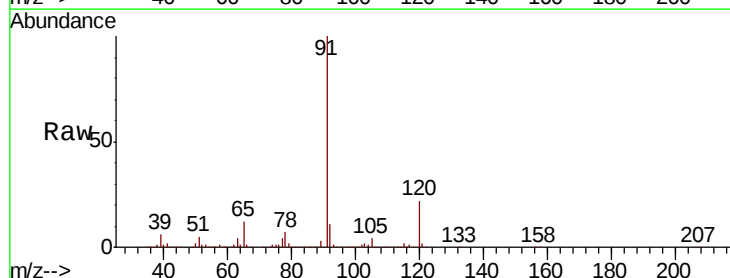
Acq: 05 Sep 2019 22:20

Tgt Ion: 91 Resp: 753577

Ion Ratio Lower Upper

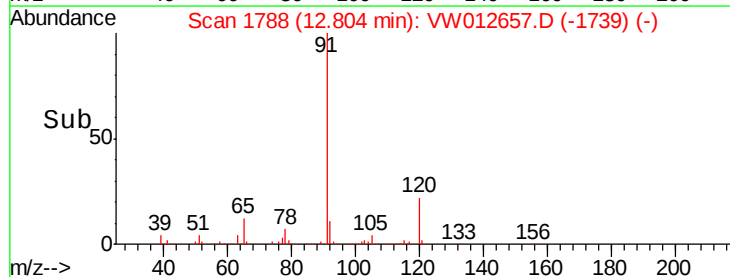
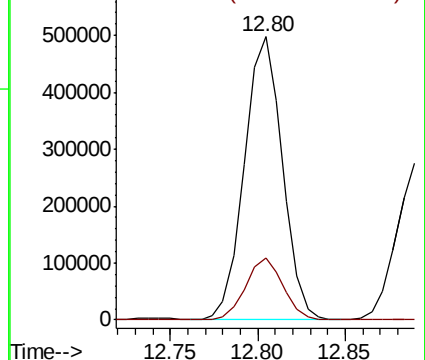
91 100

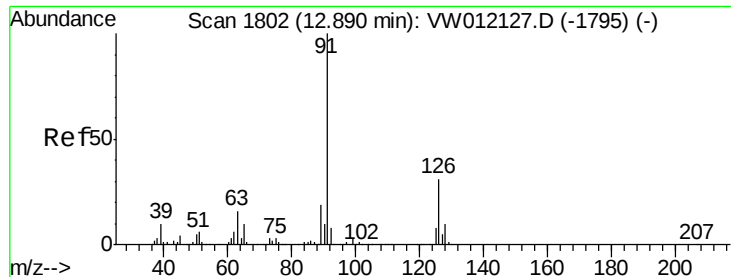
120 21.6 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 57.073 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012657.D

Acq: 05 Sep 2019 22:20

Instrument :

MSVOA_W

ClientSampleId :

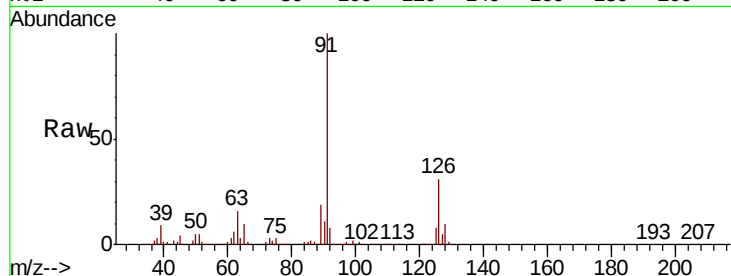
VSTDCCC050

Tgt Ion: 91 Resp: 437721

Ion Ratio Lower Upper

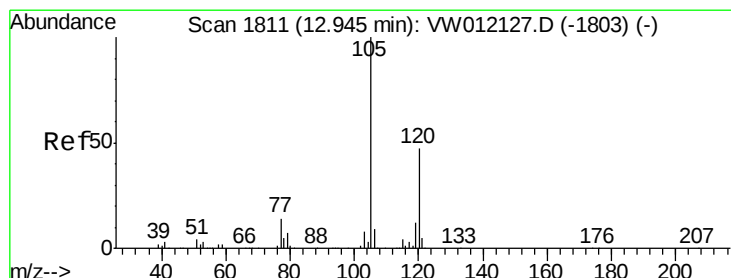
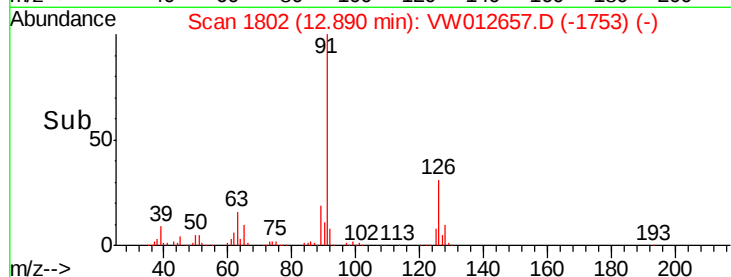
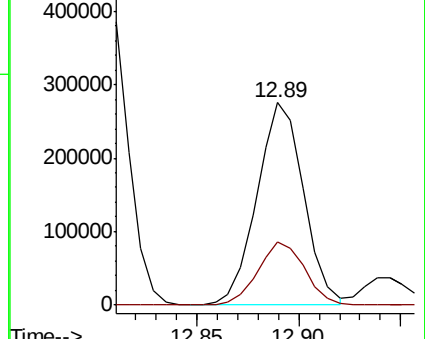
91 100

126 31.4 15.7 47.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 58.224 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012657.D

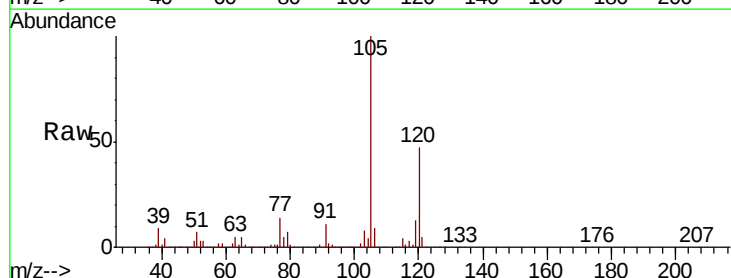
Acq: 05 Sep 2019 22:20

Tgt Ion: 105 Resp: 538354

Ion Ratio Lower Upper

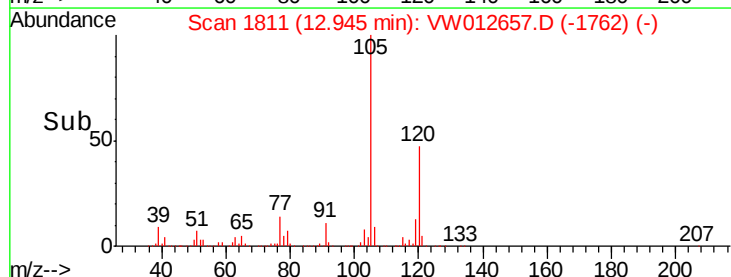
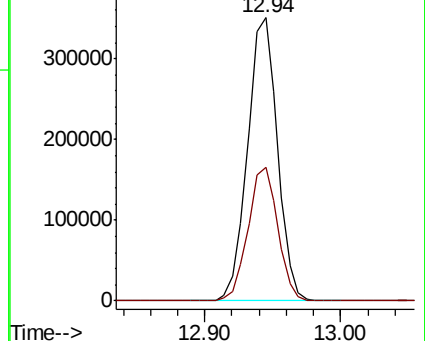
105 100

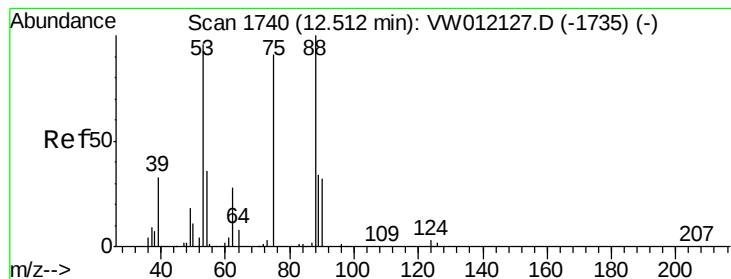
120 47.2 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 60.467 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012657.D

Acq: 05 Sep 2019 22:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

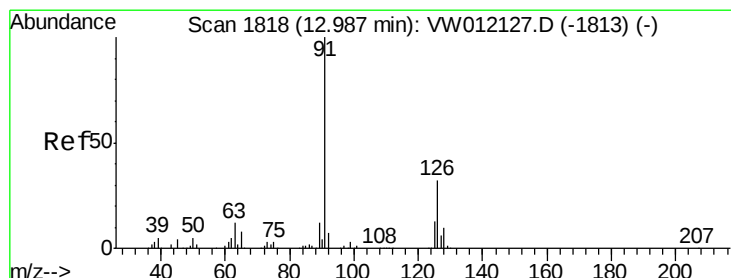
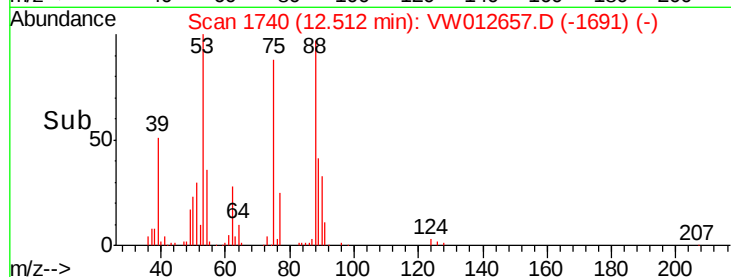
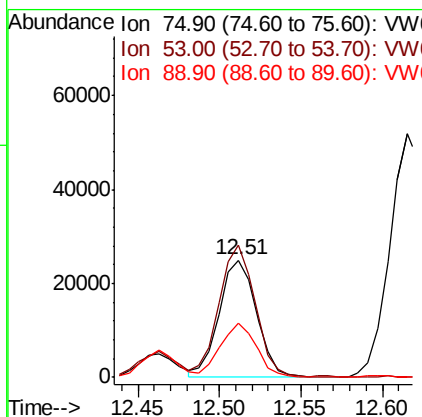
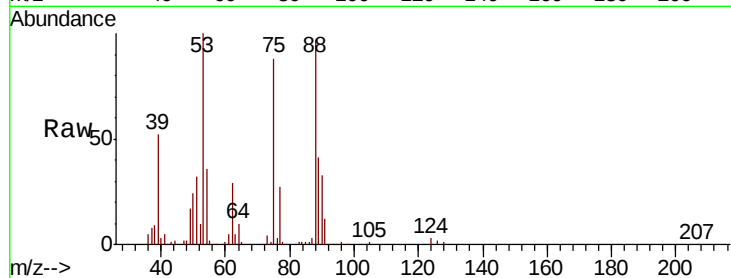
Tgt Ion: 75 Resp: 39665

Ion Ratio Lower Upper

75 100

53 111.3 89.4 134.0

89 44.5 34.5 51.7



#82

4-Chlorotoluene

Concen: 57.064 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW012657.D

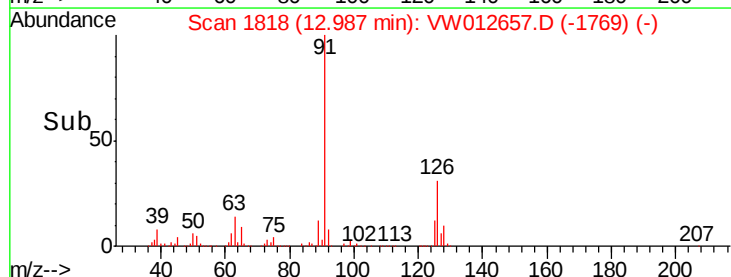
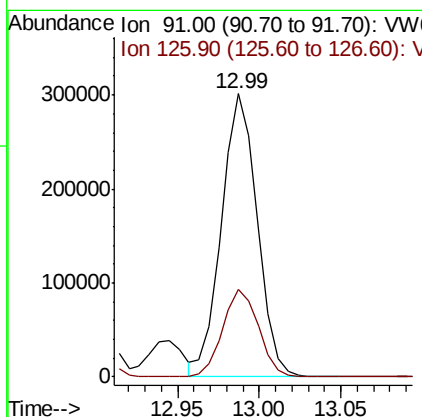
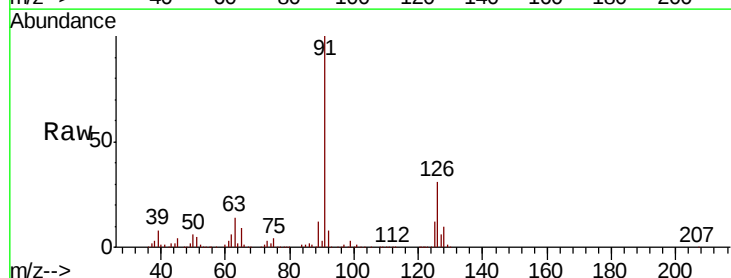
Acq: 05 Sep 2019 22:20

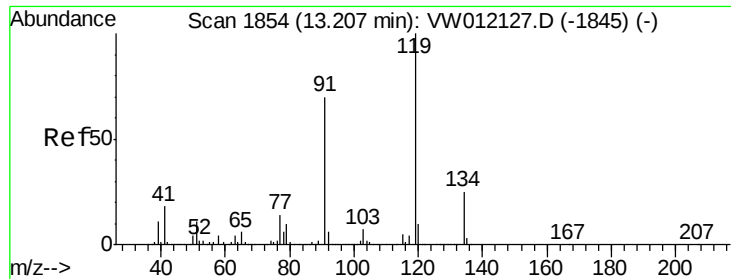
Tgt Ion: 91 Resp: 458256

Ion Ratio Lower Upper

91 100

126 31.3 15.6 46.8

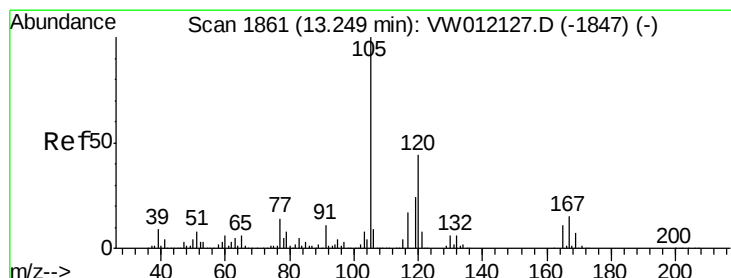
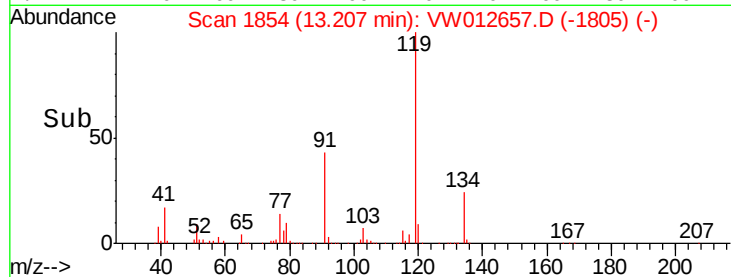
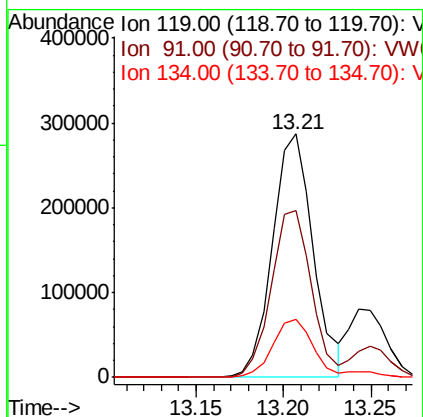
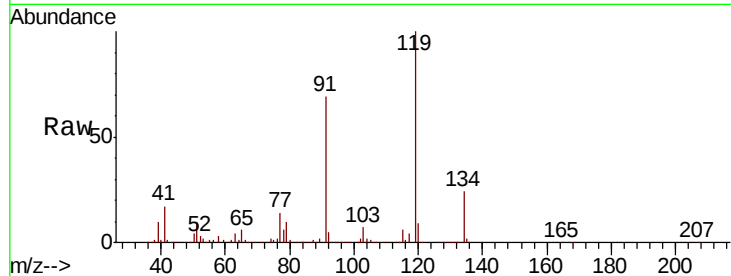




#83
 tert-Butylbenzene
 Concen: 59.339 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012657.D
 Acq: 05 Sep 2019 22:20

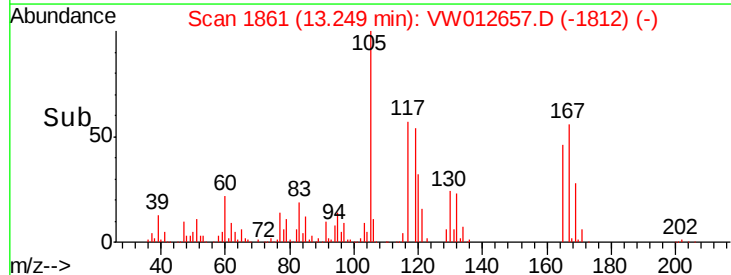
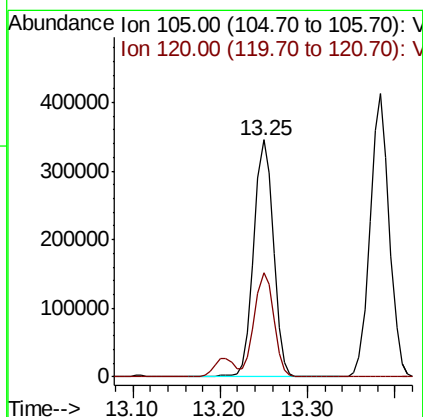
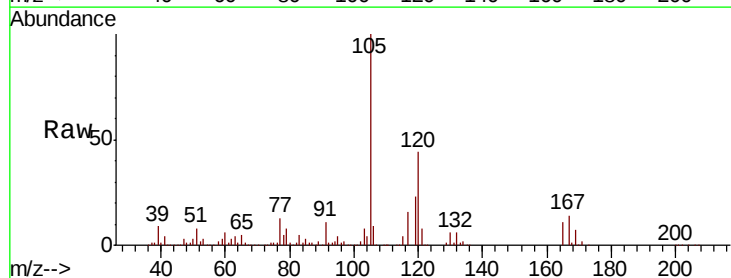
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

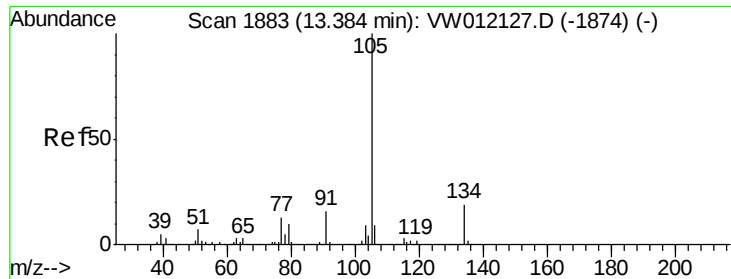
Tgt Ion:119 Resp: 464767
 Ion Ratio Lower Upper
 119 100
 91 67.9 34.8 104.3
 134 25.7 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 57.993 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012657.D
 Acq: 05 Sep 2019 22:20

Tgt Ion:105 Resp: 538647
 Ion Ratio Lower Upper
 105 100
 120 43.3 21.9 65.7

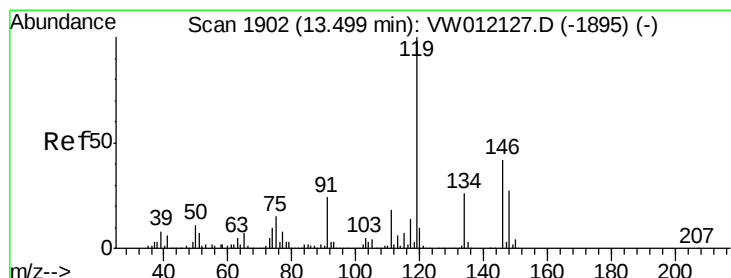
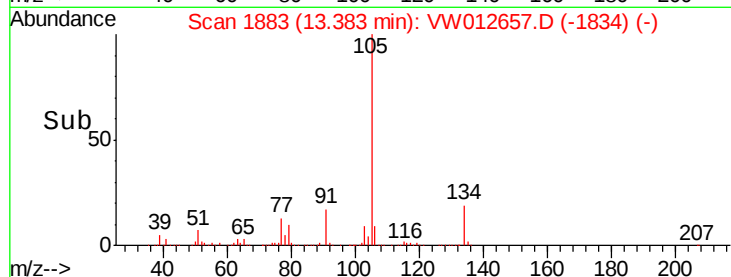
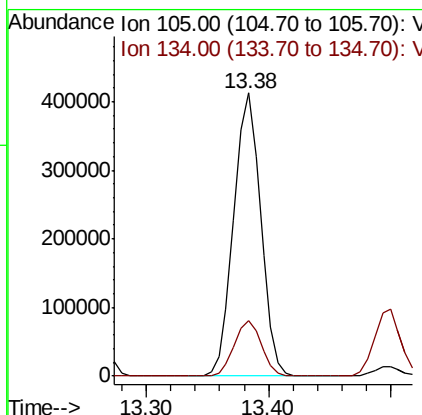
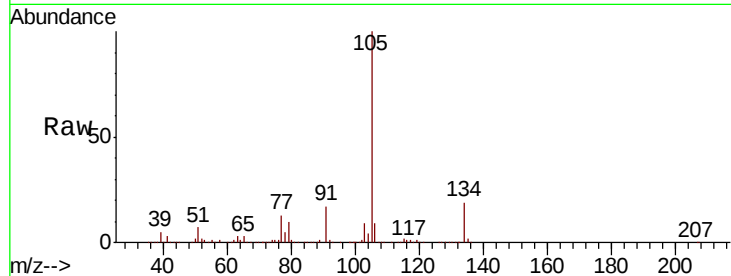




#85
 sec-Butylbenzene
 Concen: 56.235 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012657.D
 Acq: 05 Sep 2019 22:20

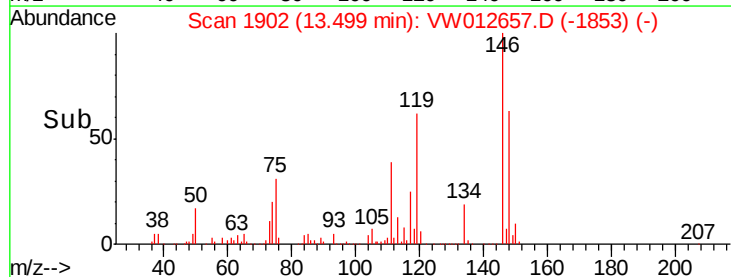
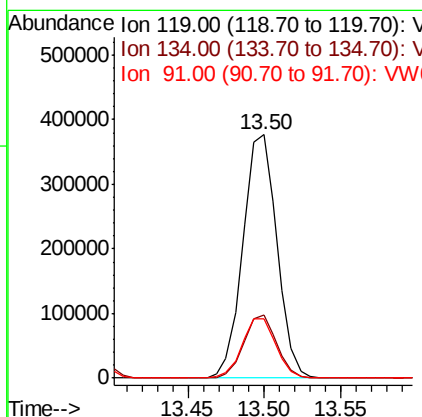
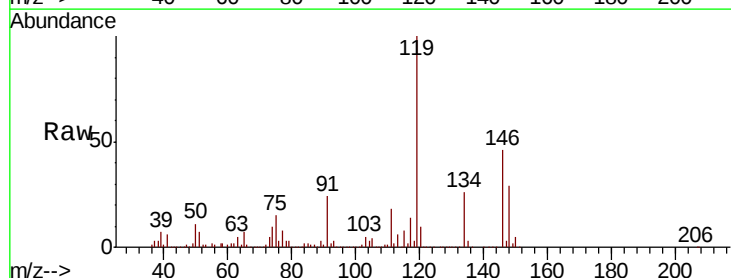
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion:105 Resp: 631027
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.8 29.4



#86
 p-Isopropyltoluene
 Concen: 57.890 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012657.D
 Acq: 05 Sep 2019 22:20

Tgt Ion:119 Resp: 580130
 Ion Ratio Lower Upper
 119 100
 134 25.2 12.8 38.3
 91 24.3 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 58.599 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012657.D

Acq: 05 Sep 2019 22:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

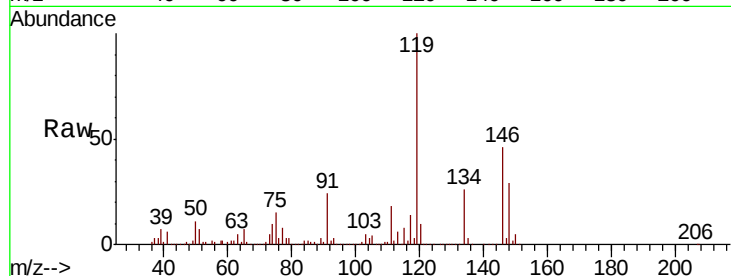
Tgt Ion:146 Resp: 274383

Ion Ratio Lower Upper

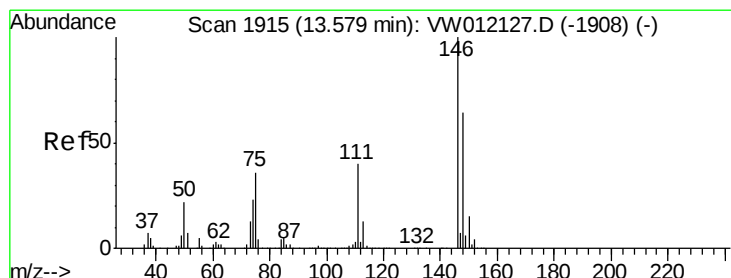
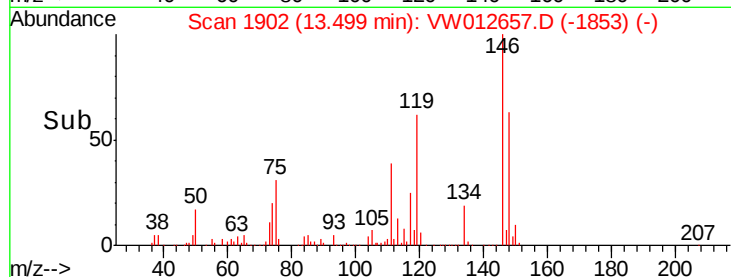
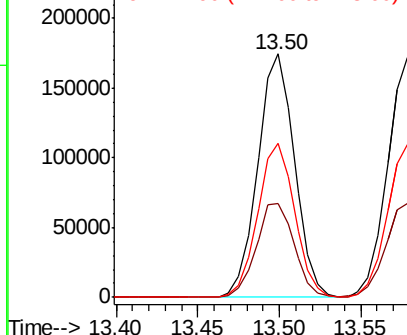
146 100

111 40.1 20.9 62.7

148 63.3 32.2 96.6



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



#88

1,4-Dichlorobenzene

Concen: 58.087 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW012657.D

Acq: 05 Sep 2019 22:20

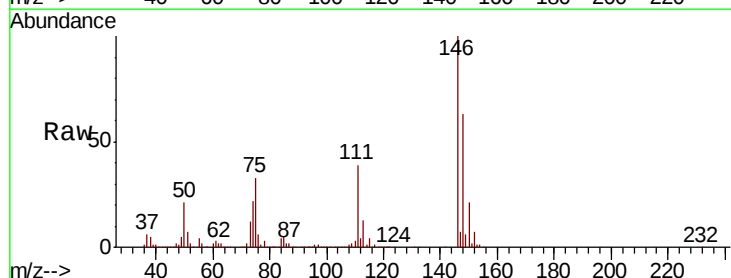
Tgt Ion:146 Resp: 270063

Ion Ratio Lower Upper

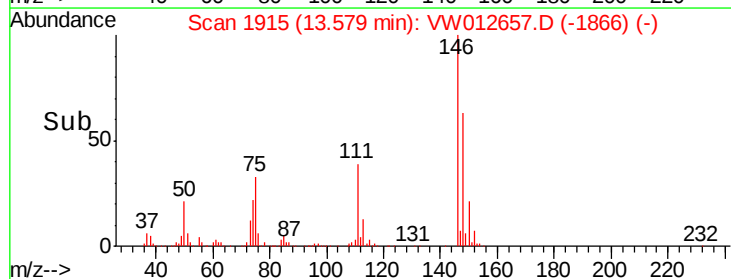
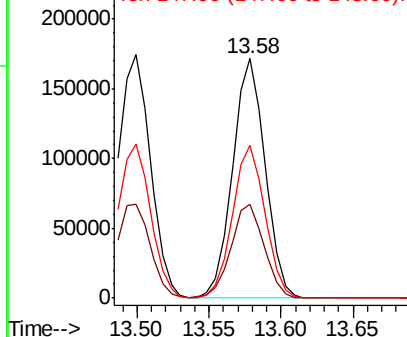
146 100

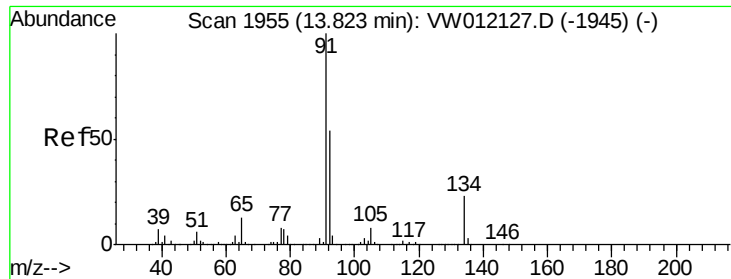
111 40.2 20.0 60.0

148 63.6 32.1 96.3



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





#89

n-Butylbenzene

Concen: 55.745 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012657.D

Acq: 05 Sep 2019 22:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

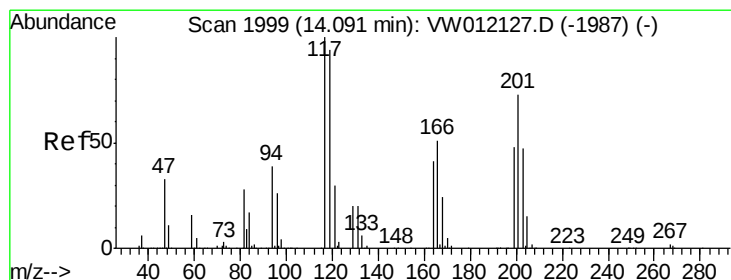
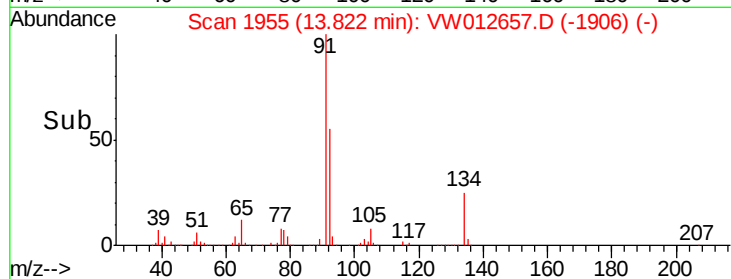
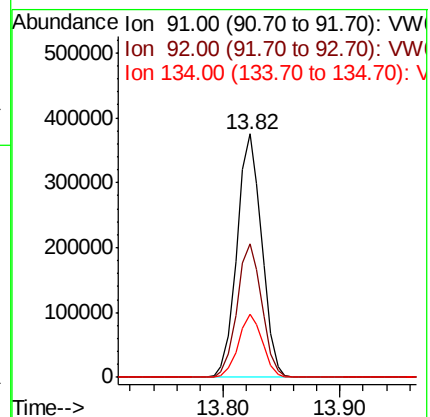
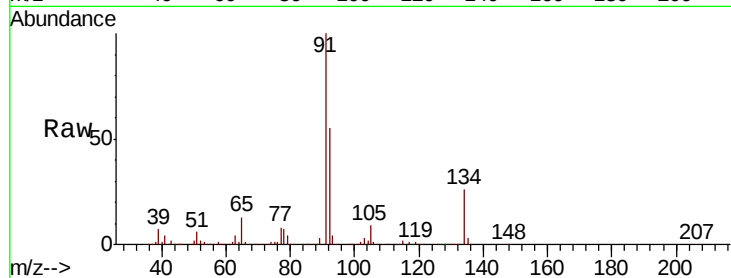
Tgt Ion: 91 Resp: 555529

Ion Ratio Lower Upper

91 100

92 54.9 27.1 81.2

134 25.3 12.2 36.4



#90

Hexachloroethane

Concen: 57.028 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW012657.D

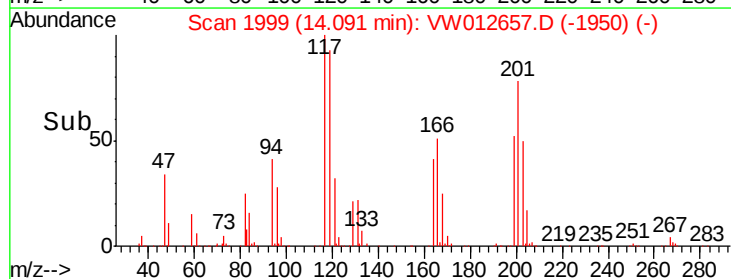
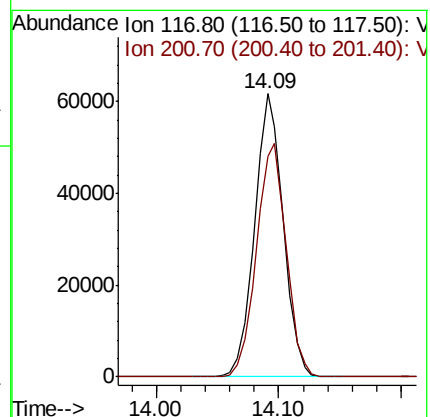
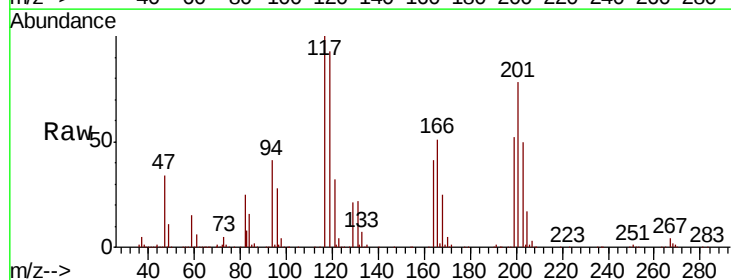
Acq: 05 Sep 2019 22:20

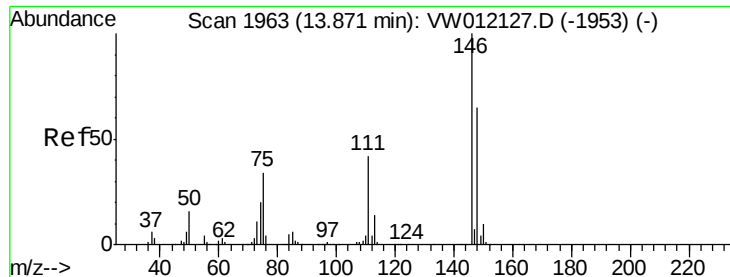
Tgt Ion: 117 Resp: 100267

Ion Ratio Lower Upper

117 100

201 86.0 38.6 115.7





#91

1,2-Dichlorobenzene

Concen: 59.445 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW012657.D

Acq: 05 Sep 2019 22:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

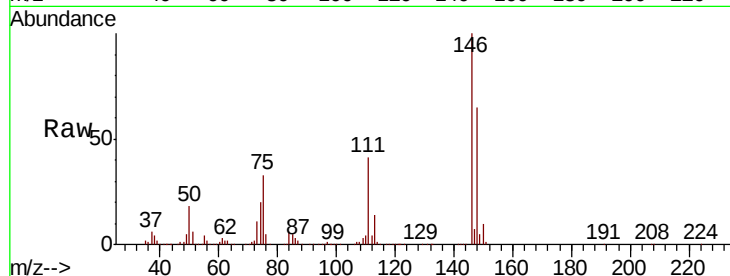
Tgt Ion:146 Resp: 244180

Ion Ratio Lower Upper

146 100

111 42.7 21.2 63.6

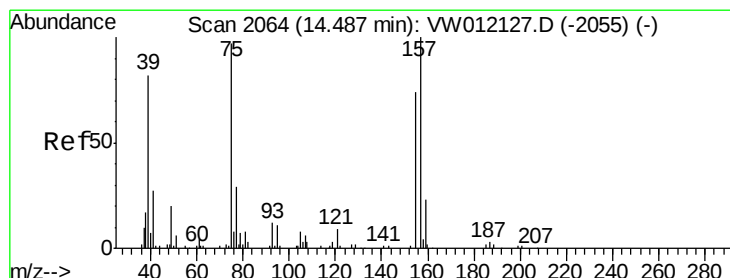
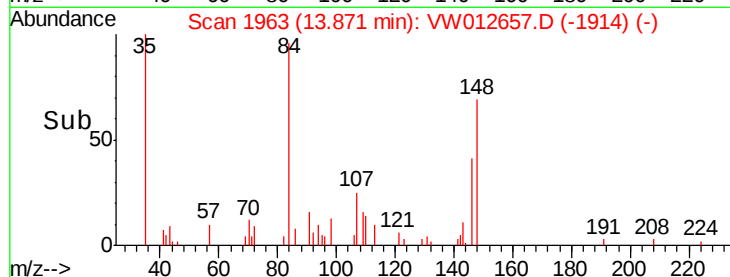
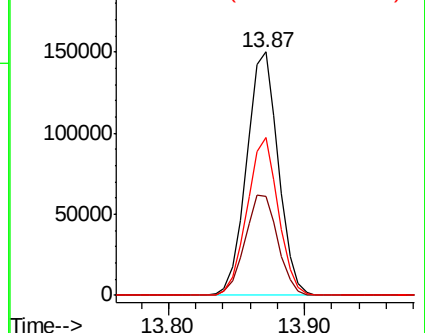
148 64.0 32.5 97.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 63.752 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.01 min

Lab File: VW012657.D

Acq: 05 Sep 2019 22:20

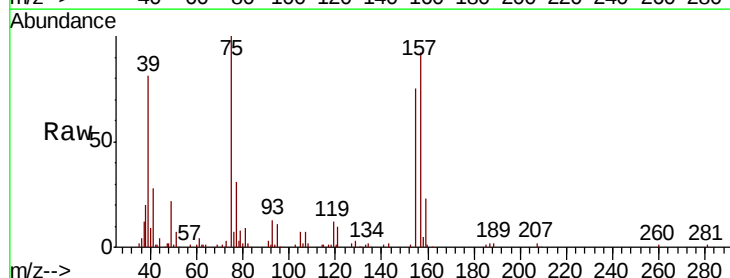
Tgt Ion: 75 Resp: 21803

Ion Ratio Lower Upper

75 100

155 76.8 37.5 112.3

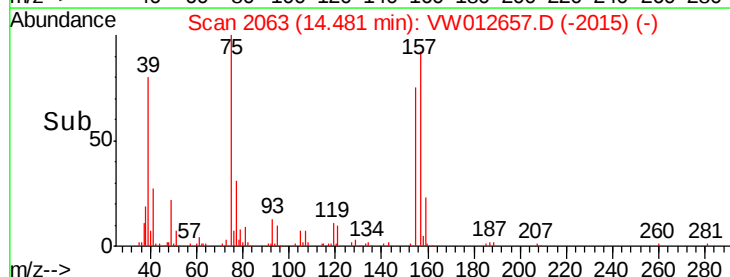
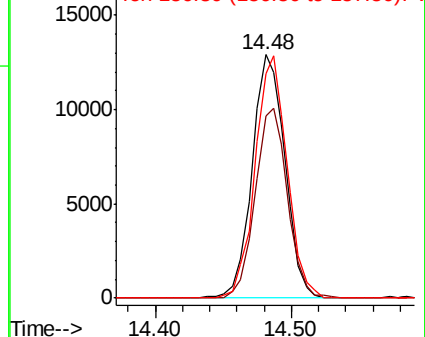
157 96.9 50.5 151.5

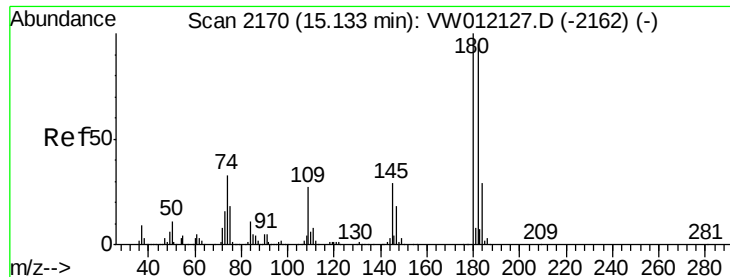


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

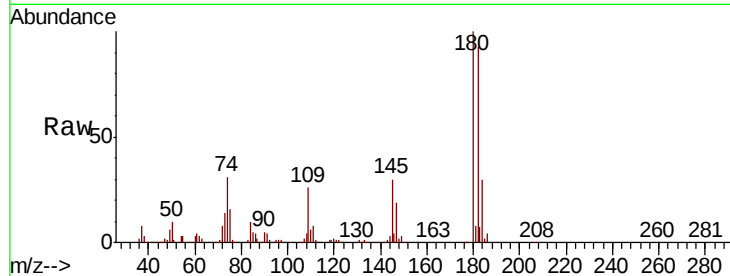




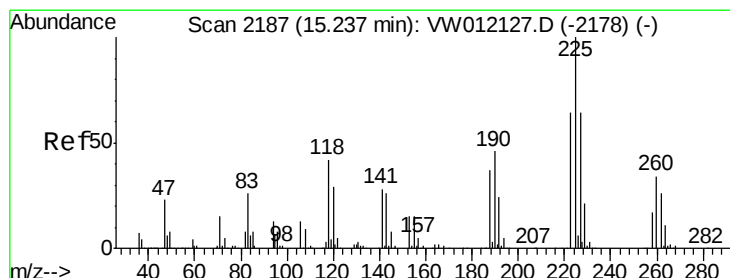
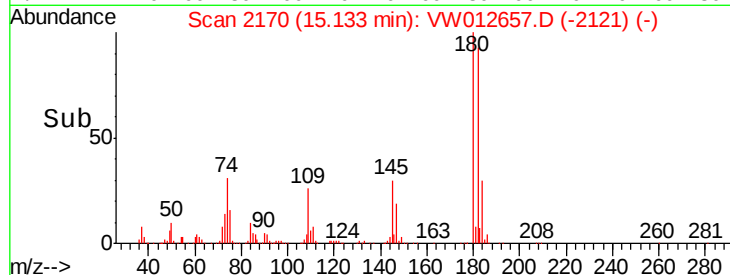
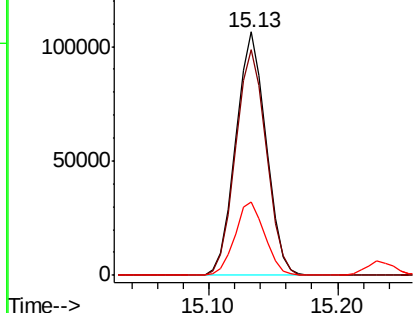
#93
 1,2,4-Trichlorobenzene
 Concen: 60.999 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012657.D
 Acq: 05 Sep 2019 22:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.8	143.4
145	29.8	15.0	45.1

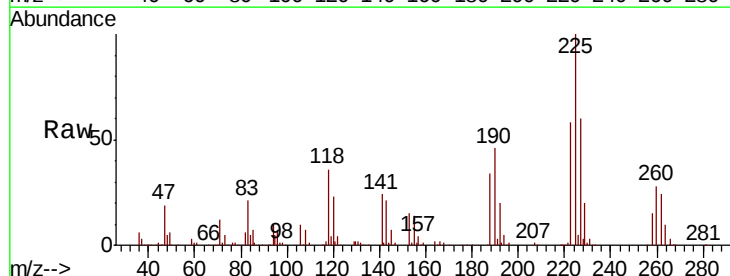


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

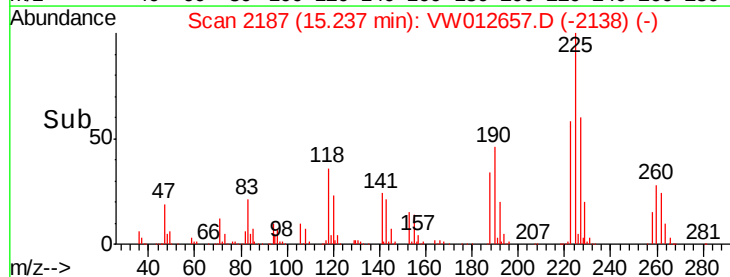
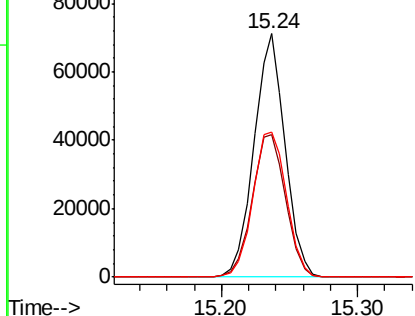


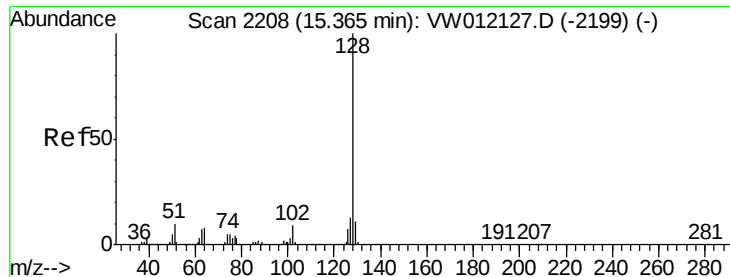
#94
 Hexachlorobutadiene
 Concen: 60.752 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012657.D
 Acq: 05 Sep 2019 22:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	32.3	96.8
227	64.4	32.9	98.6



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

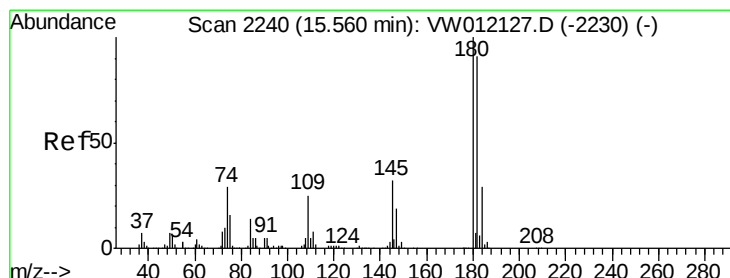
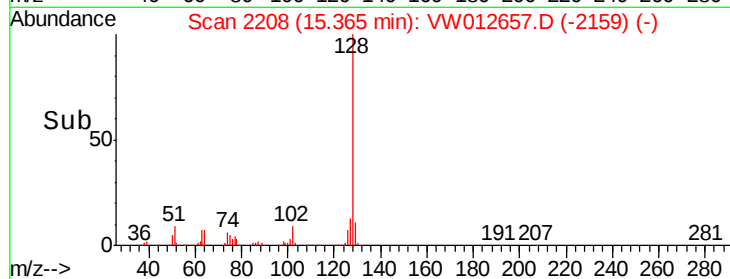
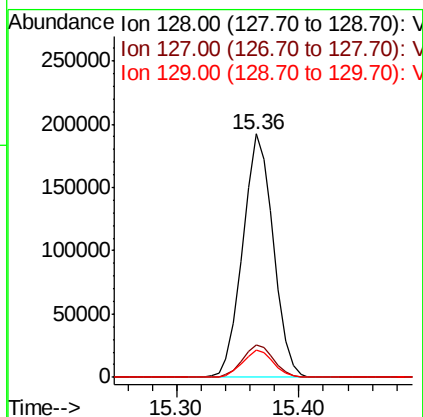
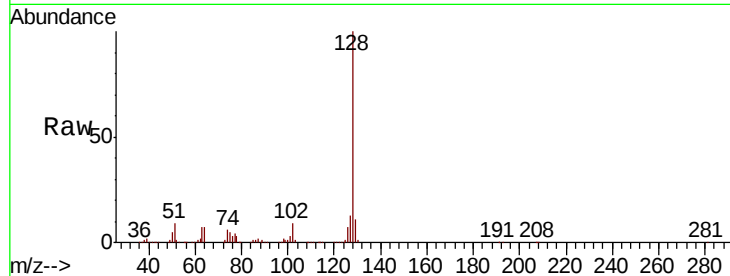




#95
Naphthalene
Concen: 59.007 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012657.D
Acq: 05 Sep 2019 22:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 333429
Ion Ratio Lower Upper
128 100
127 13.6 10.7 16.1
129 11.1 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 62.955 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW012657.D
Acq: 05 Sep 2019 22:20

Tgt Ion:180 Resp: 155918
Ion Ratio Lower Upper
180 100
182 94.9 47.1 141.3
145 31.6 16.2 48.5

