

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013177.D
 Acq On : 20 Sep 2019 12:43
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Quant Time: Sep 20 14:54:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 14:51:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	335814	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	492232	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	427372	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	216312	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	15396	5.10	ug/l	0.00
Spiked Amount			Recovery	=	10.20%	
35) Dibromofluoromethane	7.88	113	15106	5.68	ug/l	0.00
Spiked Amount			Recovery	=	11.36%	
50) Toluene-d8	10.32	98	62695	5.97	ug/l	0.00
Spiked Amount			Recovery	=	11.94%	
62) 4-Bromofluorobenzene	12.62	95	21761	5.79	ug/l	0.00
Spiked Amount			Recovery	=	11.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	10431	6.862	ug/l	100
3) Chloromethane	2.21	50	15149	7.820	ug/l	95
4) Vinyl Chloride	2.35	62	18559	7.330	ug/l	94
5) Bromomethane	2.77	94	11704	7.451	ug/l	97
6) Chloroethane	2.92	64	10645	6.891	ug/l	100
7) Trichlorofluoromethane	3.26	101	9351	5.505	ug/l	93
8) Diethyl Ether	3.68	74	8869	6.533	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.07	101	16543	6.302	ug/l	98
10) Methyl Iodide	4.27	142	25543	7.442	ug/l	98
11) Tert butyl alcohol	5.18	59	4905	20.856	ug/l #	85
12) 1,1-Dichloroethene	4.04	96	17111	6.993	ug/l	89
13) Acrolein	3.89	56	2977	13.975	ug/l	97
14) Allyl chloride	4.67	41	26720	5.955	ug/l	98
15) Acrylonitrile	5.38	53	17691	26.469	ug/l	97
16) Acetone	4.13	43	17531	24.636	ug/l	95
17) Carbon Disulfide	4.38	76	47600	8.835	ug/l	100
18) Methyl Acetate	4.68	43	9635	5.483	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	26068	5.680	ug/l	94
20) Methylene Chloride	4.91	84	23476	7.787	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	18731	7.125	ug/l	94
22) Diisopropyl ether	6.31	45	50372	5.488	ug/l	91
23) Vinyl Acetate	6.25	43	140041	25.661	ug/l	99
24) 1,1-Dichloroethane	6.21	63	30643	5.732	ug/l	99
25) 2-Butanone	7.18	43	25381	26.282	ug/l	99
26) 2,2-Dichloropropane	7.16	77	24802	6.646	ug/l	92
27) cis-1,2-Dichloroethene	7.17	96	19335	6.284	ug/l	90
28) Bromochloromethane	7.52	49	11261	5.028	ug/l	98
29) Tetrahydrofuran	7.53	42	14195	25.454	ug/l	99
30) Chloroform	7.68	83	31886	5.939	ug/l	96
31) Cyclohexane	7.95	56	35794	7.540	ug/l #	76
32) 1,1,1-Trichloroethane	7.87	97	25050	5.657	ug/l	99
36) 1,1-Dichloropropene	8.08	75	25922	6.387	ug/l	97
37) Ethyl Acetate	7.26	43	10323	4.999	ug/l #	89
38) Carbon Tetrachloride	8.06	117	22349	5.494	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013177.D
 Acq On : 20 Sep 2019 12:43
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Quant Time: Sep 20 14:54:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 14:51:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	32192	6.958	ug/l	94
40) Benzene	8.32	78	71751	6.332	ug/l	95
41) Methacrylonitrile	7.48	41	5981	4.445	ug/l	96
42) 1,2-Dichloroethane	8.40	62	19427	5.319	ug/l	98
43) Isopropyl Acetate	8.43	43	19140	4.843	ug/l	95
44) Trichloroethene	9.09	130	20532	6.571	ug/l	89
45) 1,2-Dichloropropane	9.37	63	17783	6.017	ug/l	100
46) Dibromomethane	9.46	93	8468	5.966	ug/l	98
47) Bromodichloromethane	9.64	83	21209	5.419	ug/l	95
48) Methyl methacrylate	9.43	41	8196	4.409	ug/l	91
49) 1,4-Dioxane	9.47	88	2359	103.749	ug/l #	53
51) 4-Methyl-2-Pentanone	10.21	43	48007	23.627	ug/l	99
52) Toluene	10.38	92	46016	6.385	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	19852	5.017	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	25216	5.519	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	12466	5.785	ug/l	96
56) Ethyl methacrylate	10.65	69	13711	4.755	ug/l	90
57) 1,3-Dichloropropane	10.93	76	22084	5.792	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	35033	22.966	ug/l	98
59) 2-Hexanone	10.97	43	30816	21.896	ug/l	100
60) Dibromochloromethane	11.13	129	13377	5.197	ug/l	100
61) 1,2-Dibromoethane	11.23	107	11789	5.978	ug/l	99
64) Tetrachloroethene	10.86	164	17698	6.664	ug/l	94
65) Chlorobenzene	11.66	112	49060	6.283	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	15710	5.359	ug/l	97
67) Ethyl Benzene	11.73	91	84656	5.893	ug/l	100
68) m/p-Xylenes	11.84	106	64190	12.126	ug/l	97
69) o-Xylene	12.16	106	29947	6.051	ug/l	99
70) Styrene	12.18	104	50080	5.710	ug/l	100
71) Bromoform	12.35	173	7737	5.051	ug/l #	95
73) Isopropylbenzene	12.46	105	81858	5.620	ug/l	99
74) N-amyl acetate	12.27	43	16697	4.572	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.71	83	14141	5.616	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	16767	8.885	ug/l #	100
77) Bromobenzene	12.75	156	19907	5.866	ug/l	99
78) n-propylbenzene	12.80	91	96757	5.651	ug/l	98
79) 2-Chlorotoluene	12.89	91	55397	5.647	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	69583	5.639	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	3658	4.386	ug/l	93
82) 4-Chlorotoluene	12.99	91	58821	5.713	ug/l	97
83) tert-Butylbenzene	13.21	119	60769	5.532	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	69038	5.665	ug/l	99
85) sec-Butylbenzene	13.38	105	85205	5.675	ug/l	99
86) p-Isopropyltoluene	13.50	119	78484	5.685	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	39086	5.866	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	38190	5.846	ug/l	94
89) n-Butylbenzene	13.82	91	71009	5.483	ug/l	98
90) Hexachloroethane	14.10	117	12546	5.111	ug/l	95
91) 1,2-Dichlorobenzene	13.86	146	33176	5.676	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1886	4.164	ug/l	95

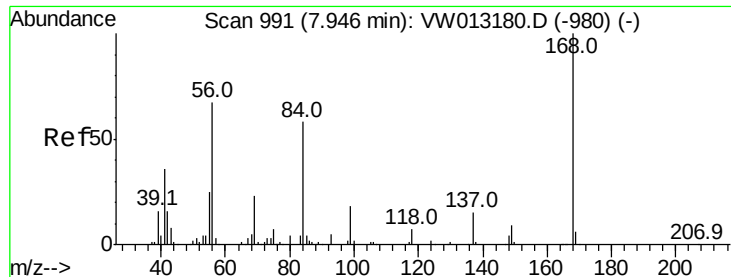
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092019\
Data File : VW013177.D
Acq On : 20 Sep 2019 12:43
Operator : SY/VA
Sample : VSTDICC005
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Quant Time: Sep 20 14:54:54 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 20 14:51:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	21061	5.043	ug/l	100
94) Hexachlorobutadiene	15.23	225	16777	5.703	ug/l	98
95) Naphthalene	15.36	128	30972	4.473	ug/l	98
96) 1,2,3-Trichlorobenzene	15.55	180	19002	5.164	ug/l	94

(#) = 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: VW013177.D

Acq: 20 Sep 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

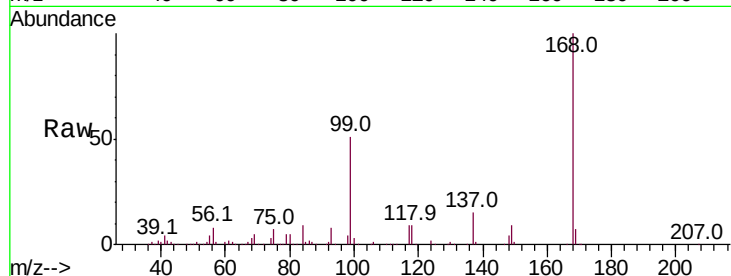
VSTDIC005

Tot Ion:168 Resp: 335814

Ion Ratio Lower Upper

168 100

99 50.9 40.2 60.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

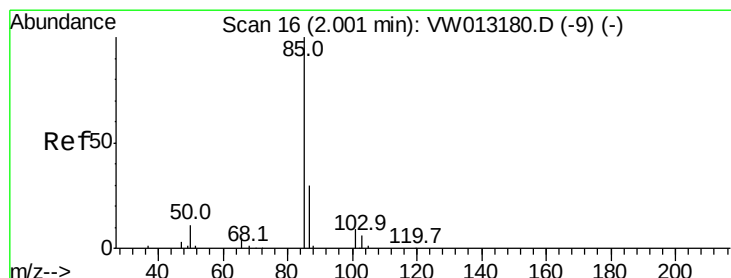
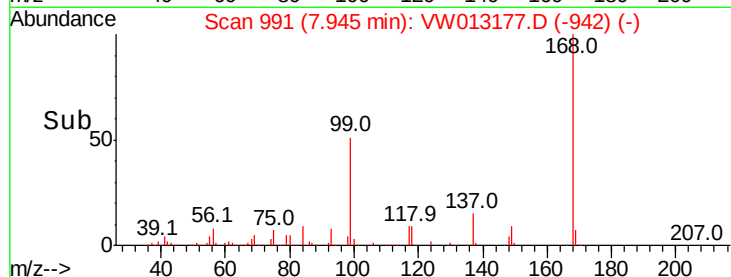
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 6.862 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW013177.D

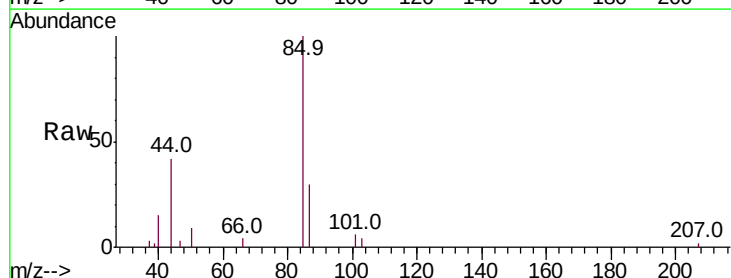
Acq: 20 Sep 2019 12:43

Tgt Ion: 85 Resp: 10431

Ion Ratio Lower Upper

85 100

87 30.1 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

4000

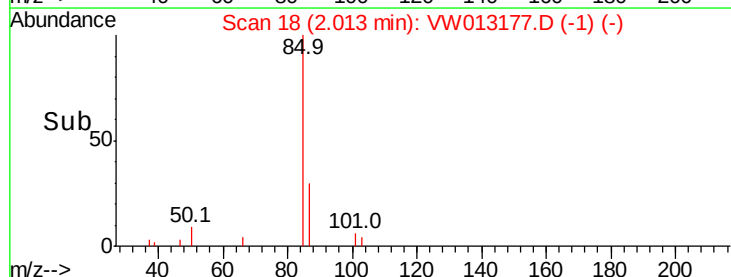
3000

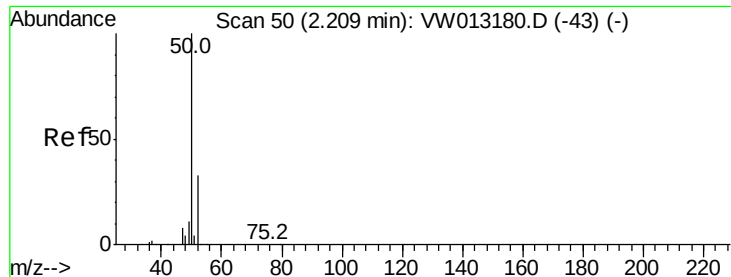
2000

1000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 7.820 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

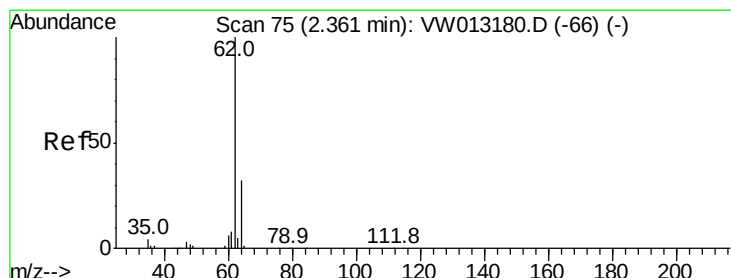
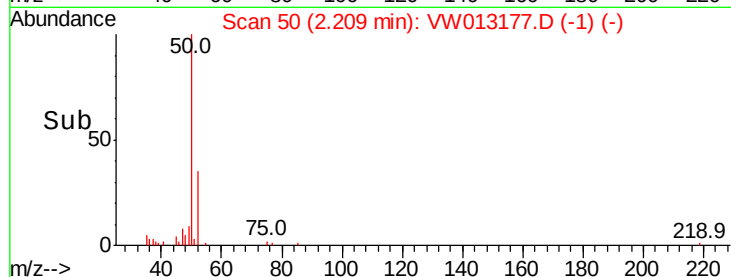
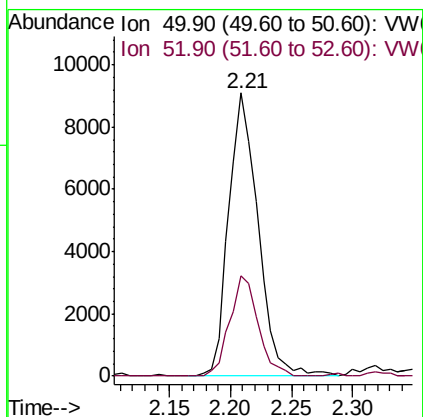
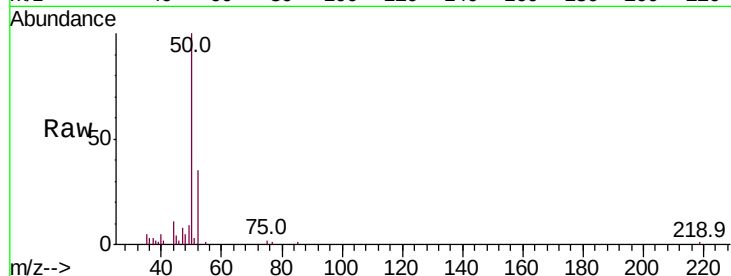
VSTDIC005

Tot Ion: 50 Resp: 15149

Ion Ratio Lower Upper

50 100

52 35.3 26.1 39.1



#4

Vinyl Chloride

Concen: 7.330 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW013177.D

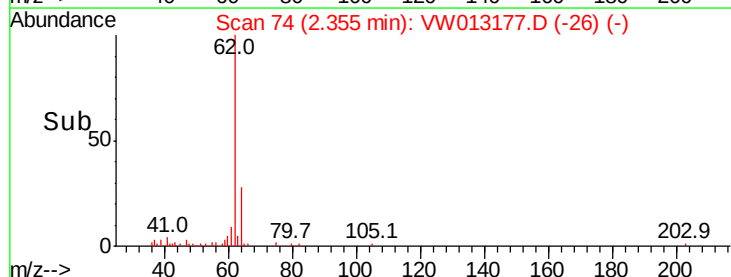
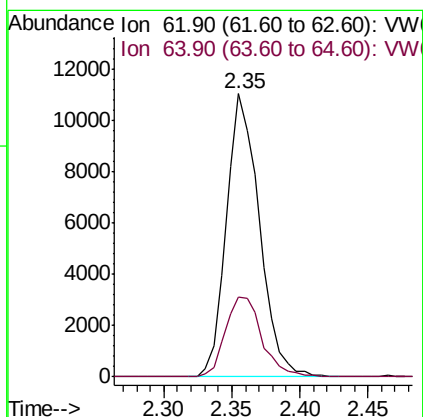
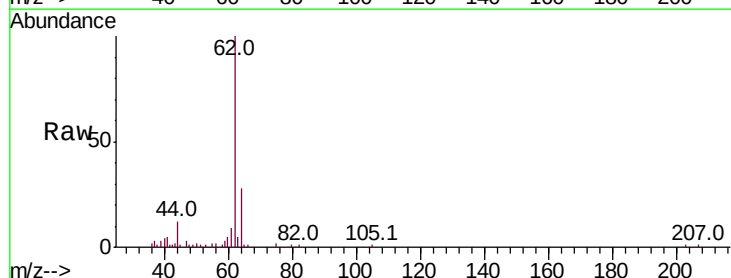
Acq: 20 Sep 2019 12:43

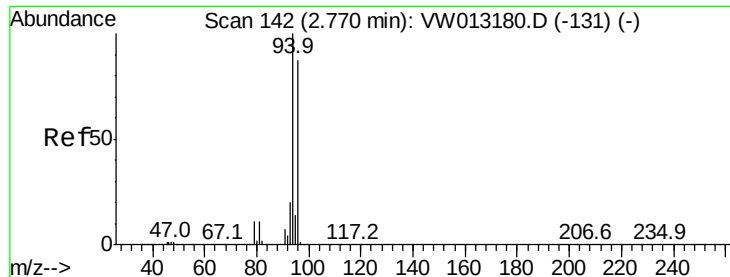
Tgt Ion: 62 Resp: 18559

Ion Ratio Lower Upper

62 100

64 28.3 25.3 37.9





#5

Bromomethane

Concen: 7.451 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

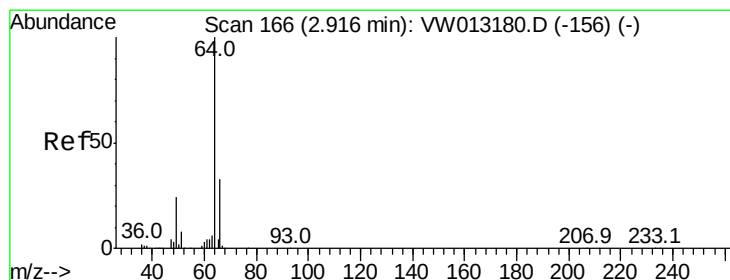
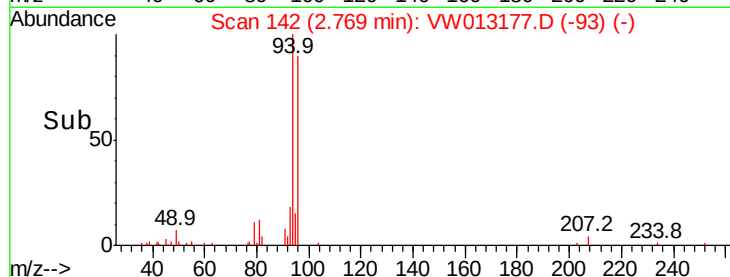
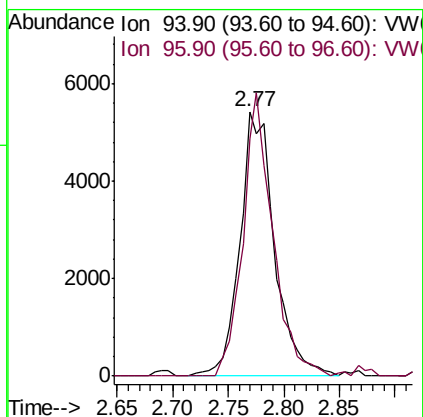
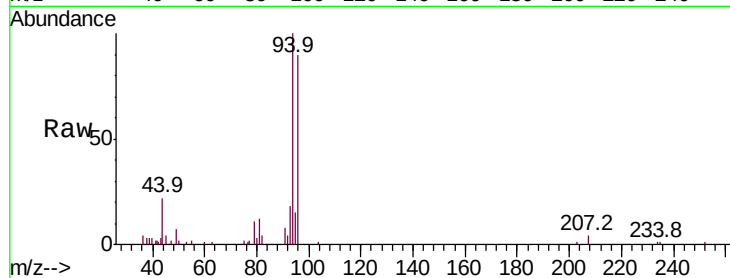
VSTDIC005

Tot Ion: 94 Resp: 11704

Ion Ratio Lower Upper

94 100

96 89.9 69.7 104.5



#6

Chloroethane

Concen: 6.891 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW013177.D

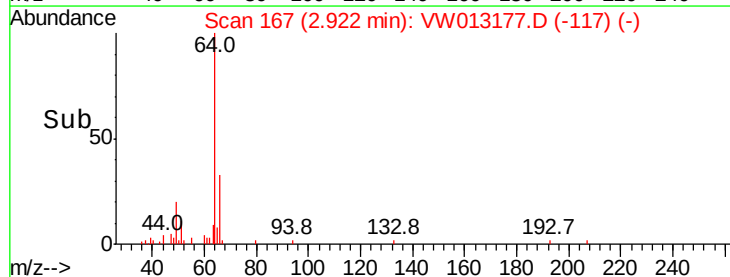
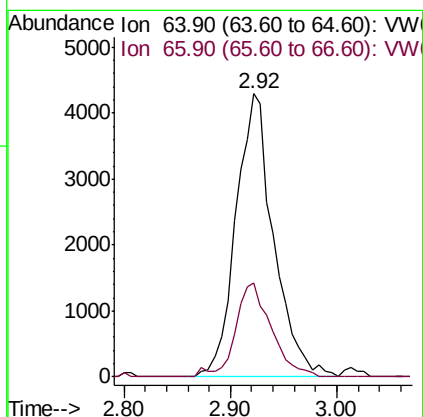
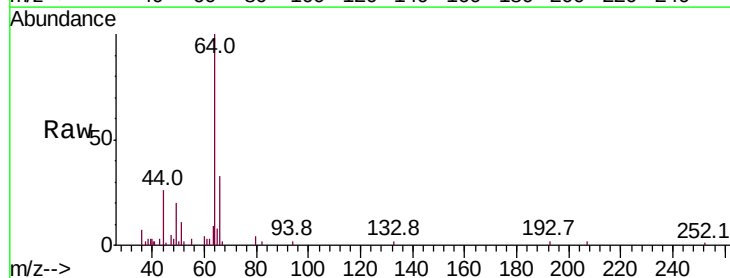
Acq: 20 Sep 2019 12:43

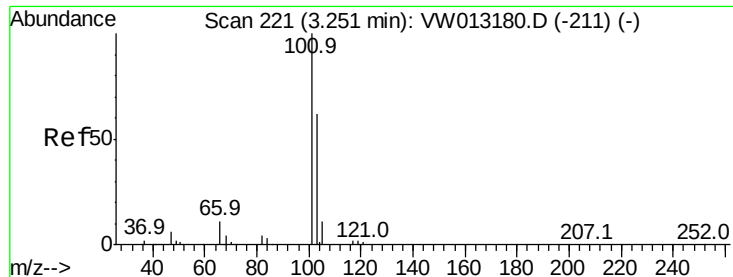
Tgt Ion: 64 Resp: 10645

Ion Ratio Lower Upper

64 100

66 33.2 26.6 39.8



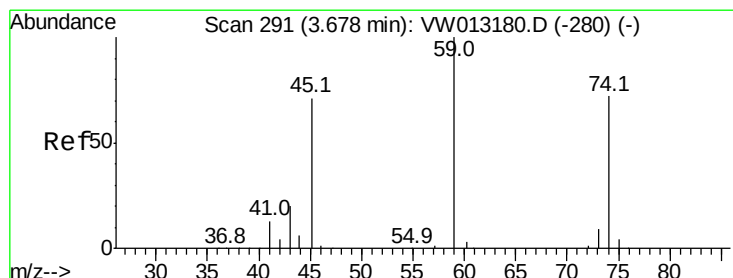
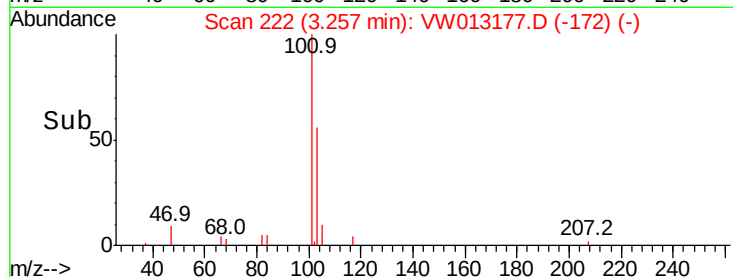
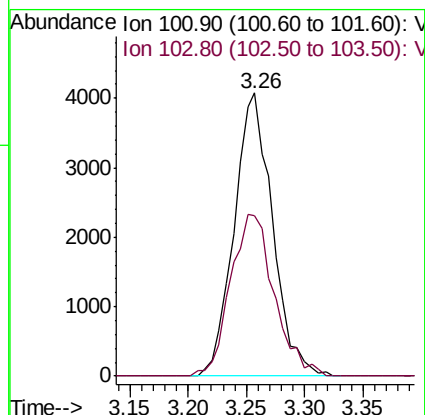
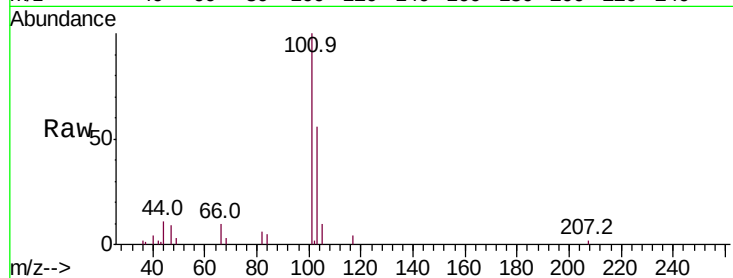


#7

Trichlorofluoromethane
Concen: 5.505 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.01 min
Lab File: VW013177.D
Acq: 20 Sep 2019 12:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

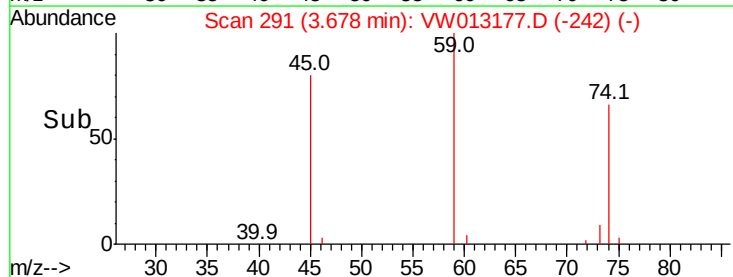
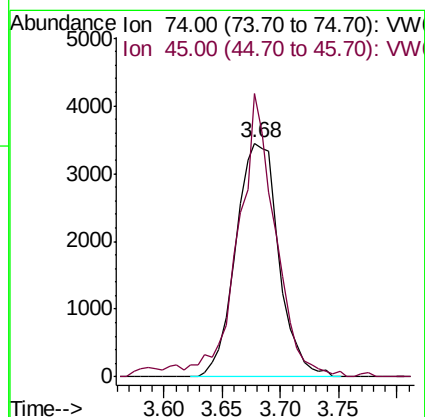
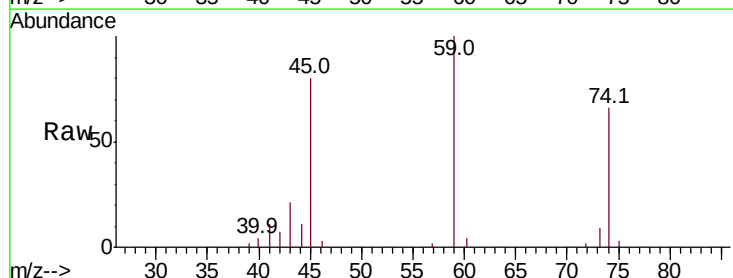
Tot Ion:101 Resp: 9351
Ion Ratio Lower Upper
101 100
103 56.5 49.7 74.5

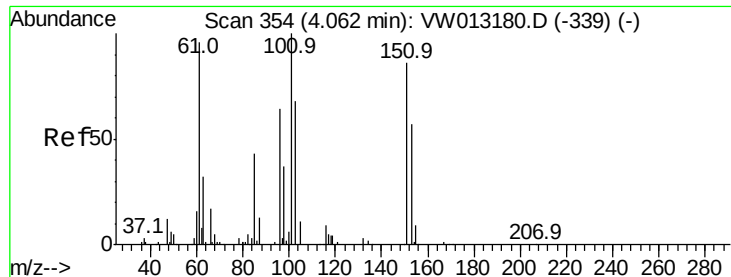


#8

Diethyl Ether
Concen: 6.533 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW013177.D
Acq: 20 Sep 2019 12:43

Tgt Ion: 74 Resp: 8869
Ion Ratio Lower Upper
74 100
45 104.2 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.302 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

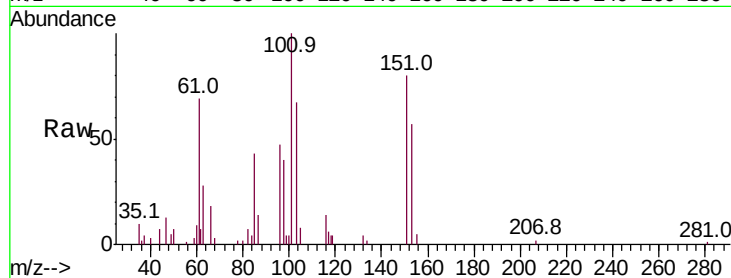
Tot Ion:101 Resp: 16543

Ion Ratio Lower Upper

101 100

85 43.9 33.4 50.0

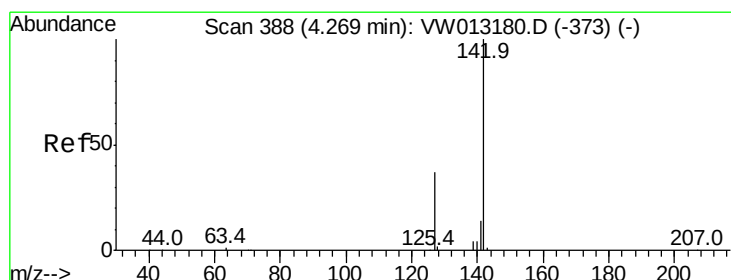
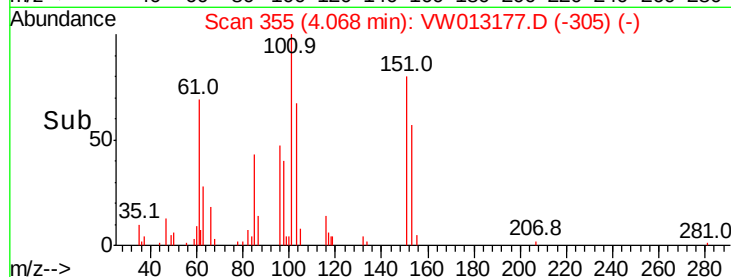
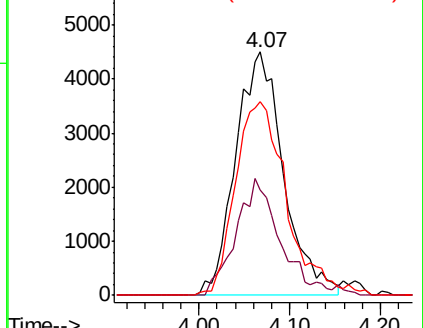
151 84.7 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 7.442 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

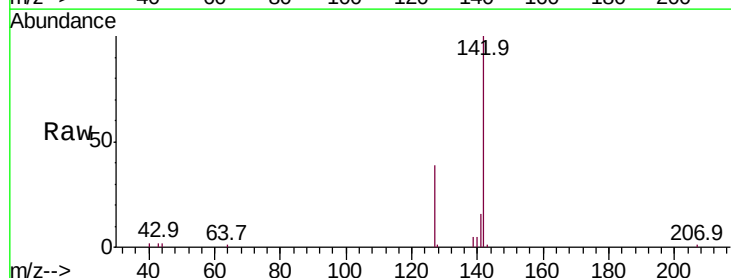
Tgt Ion:142 Resp: 25543

Ion Ratio Lower Upper

142 100

127 39.5 30.9 46.3

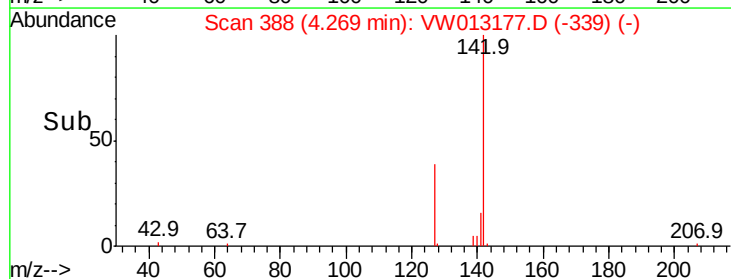
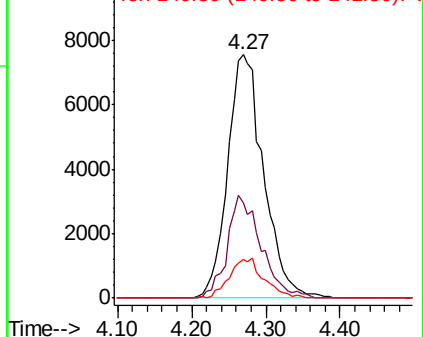
141 15.7 11.7 17.5

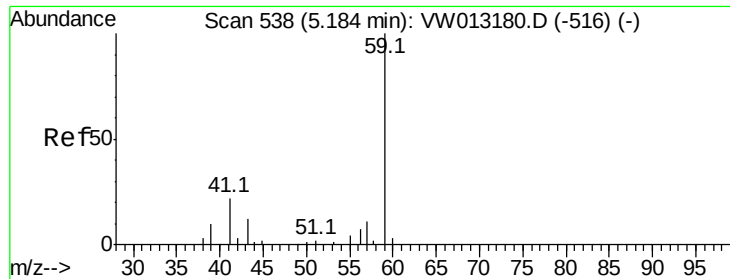


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

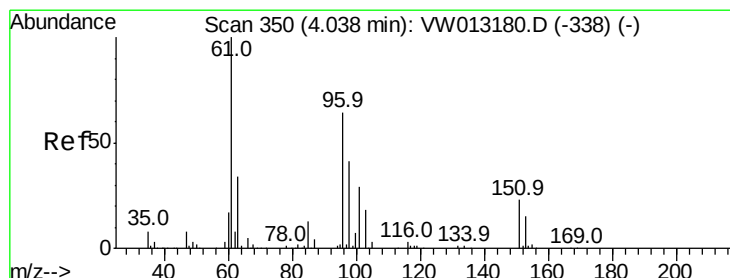
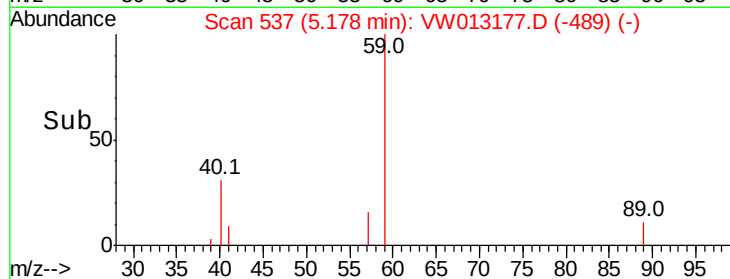
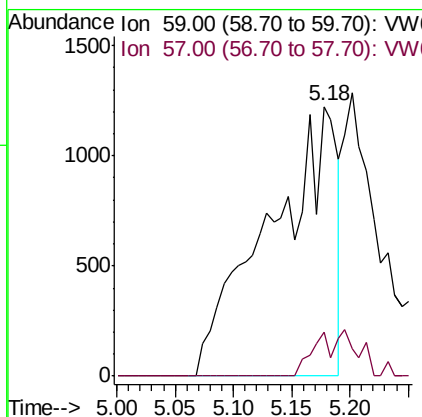
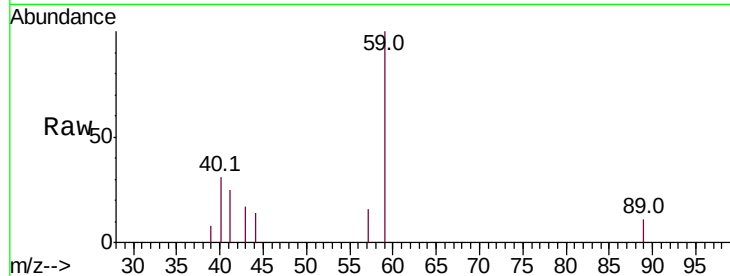




#11
Tert butyl alcohol
Concen: 20.856 ug/l
RT: 5.18 min Scan# 537
Delta R.T. -0.01 min
Lab File: VW013177.D
Acq: 20 Sep 2019 12:43

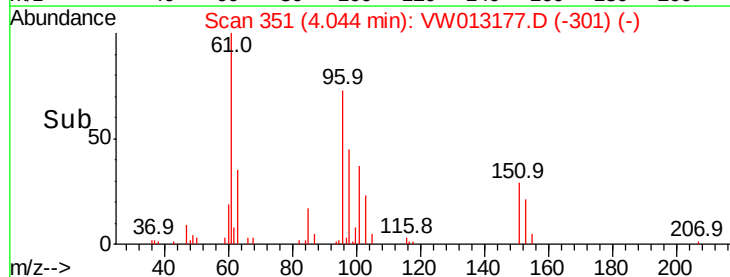
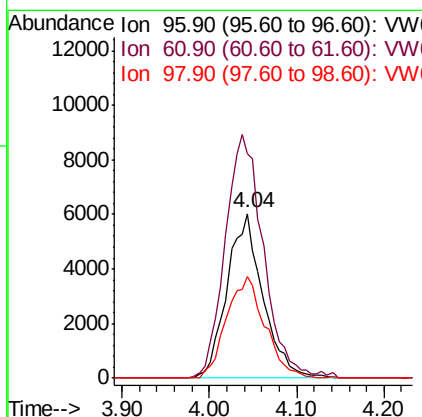
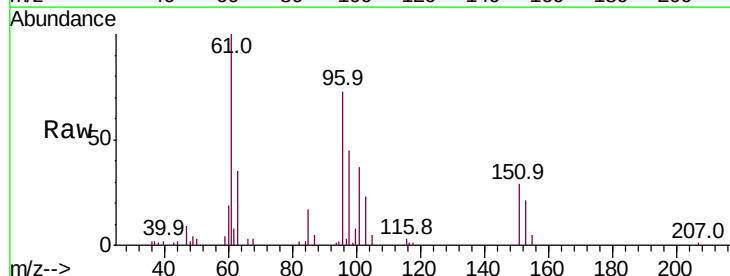
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

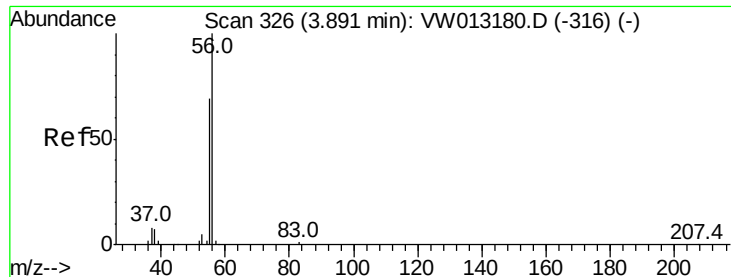
Tot Ion: 59 Resp: 4905
Ion Ratio Lower Upper
59 100
57 4.5 8.2 12.2#



#12
1,1-Dichloroethene
Concen: 6.993 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.01 min
Lab File: VW013177.D
Acq: 20 Sep 2019 12:43

Tgt Ion: 96 Resp: 17111
Ion Ratio Lower Upper
96 100
61 137.0 125.1 187.7
98 61.8 50.8 76.2





#13

Acrolein

Concen: 13.975 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

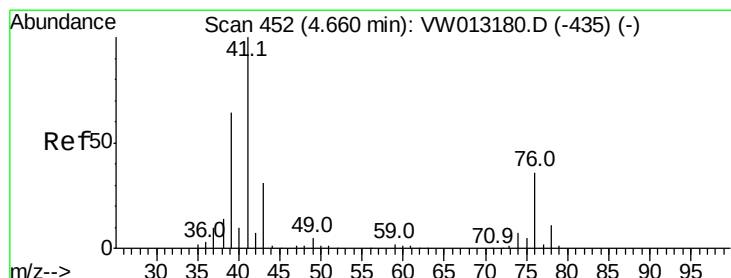
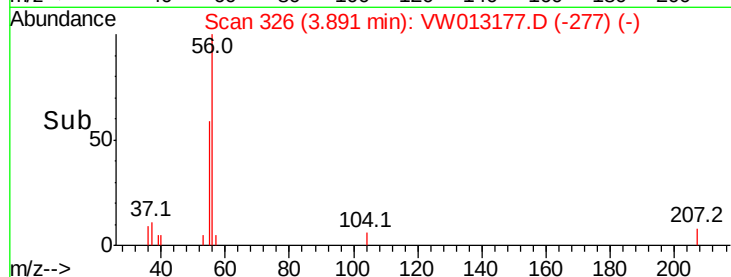
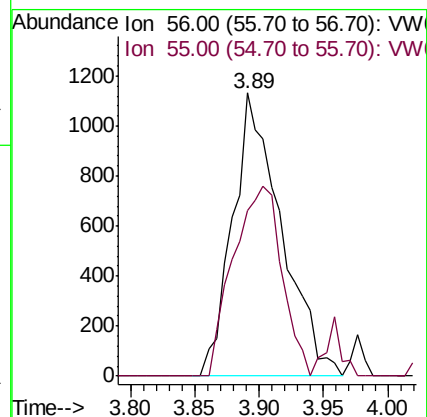
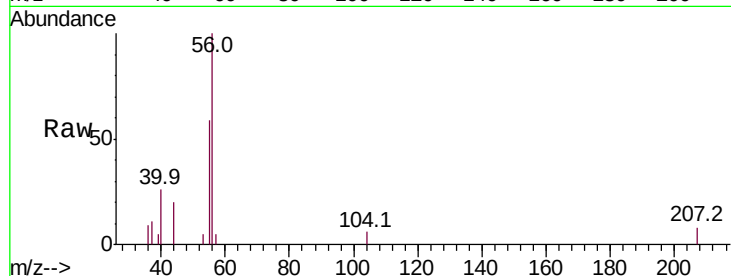
VSTDIC005

Tot Ion: 56 Resp: 2977

Ion Ratio Lower Upper

56 100

55 66.8 55.4 83.0



#14

Allyl chloride

Concen: 5.955 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

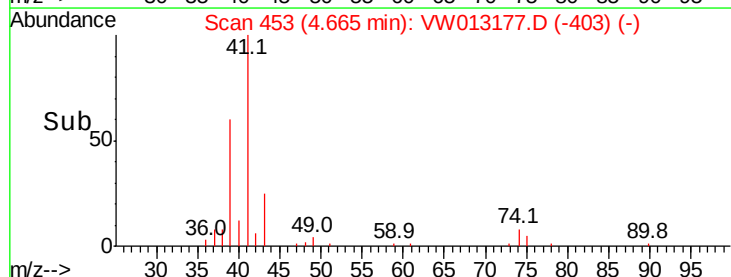
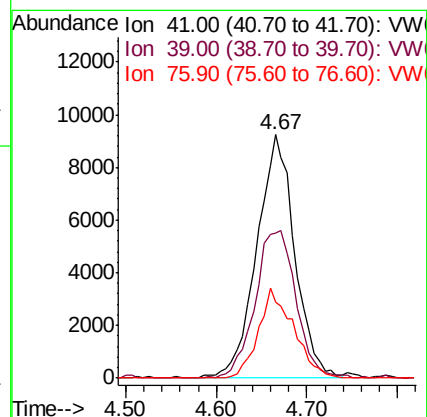
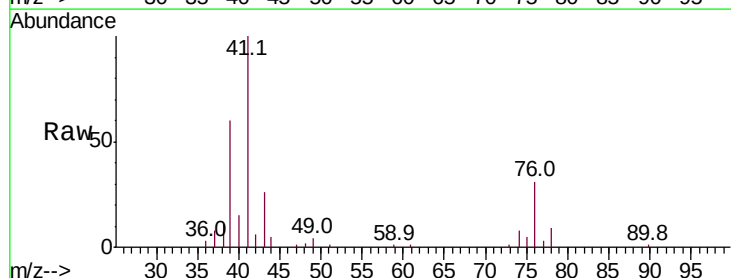
Tgt Ion: 41 Resp: 26720

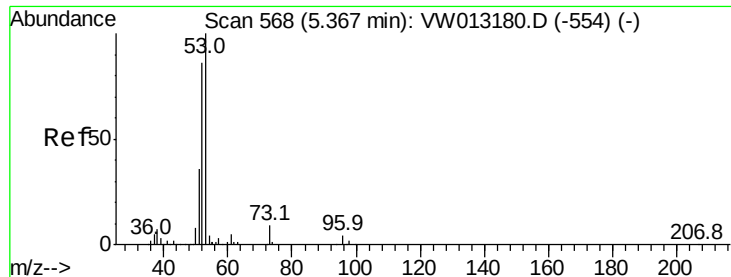
Ion Ratio Lower Upper

41 100

39 65.4 51.0 76.4

76 34.1 28.4 42.6





#15

Acrylonitrile

Concen: 26.469 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

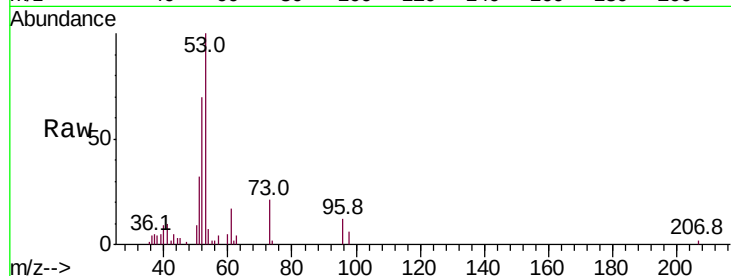
Tot Ion: 53 Resp: 17691

Ion Ratio Lower Upper

53 100

52 77.7 65.3 97.9

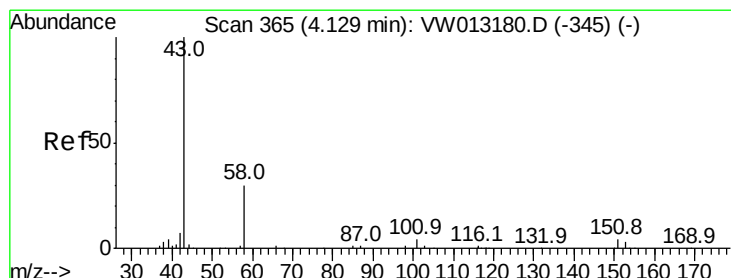
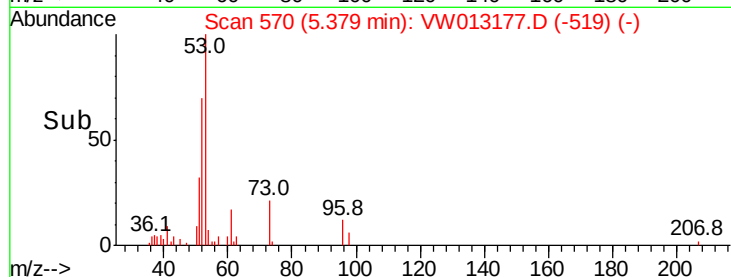
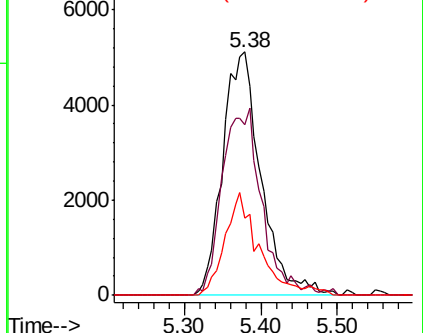
51 36.9 29.0 43.4



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 24.636 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW013177.D

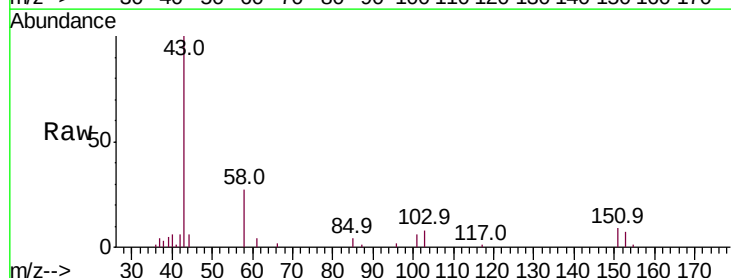
Acq: 20 Sep 2019 12:43

Tgt Ion: 43 Resp: 17531

Ion Ratio Lower Upper

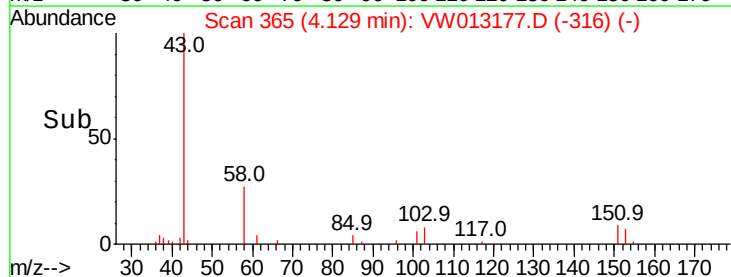
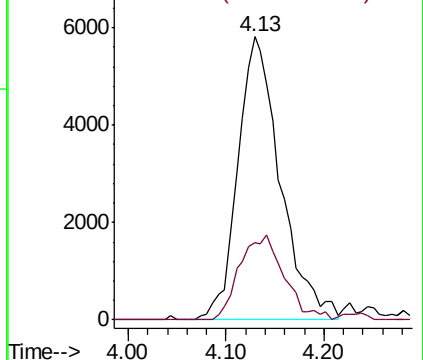
43 100

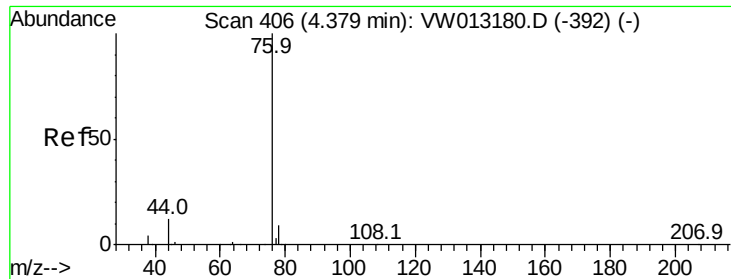
58 27.1 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

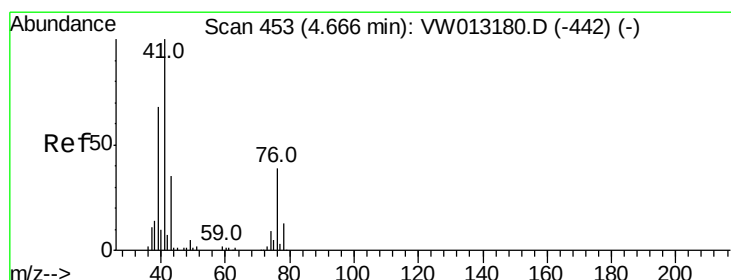
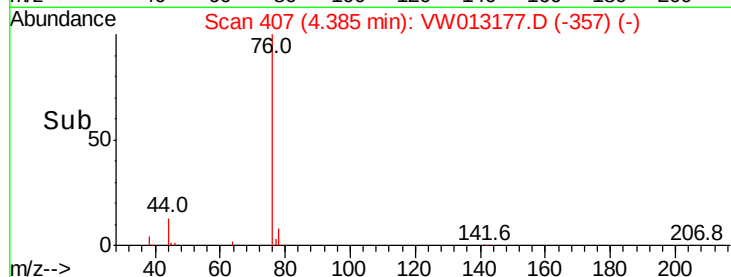
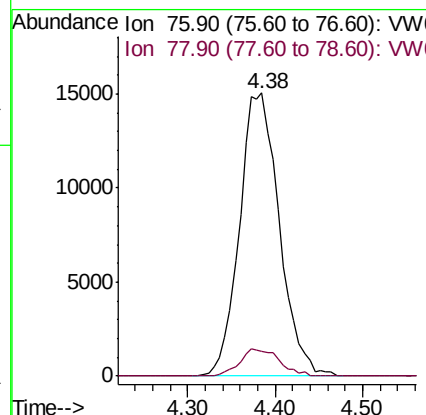
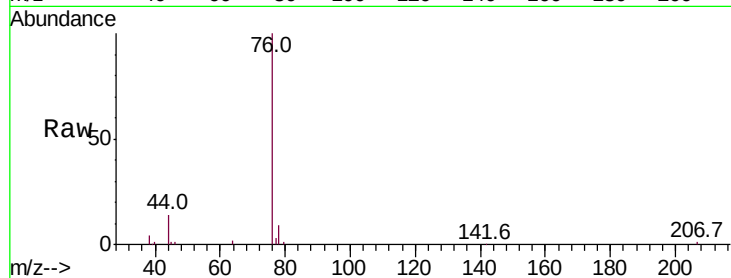




#17
Carbon Disulfide
Concen: 8.835 ug/l
RT: 4.38 min Scan# 407
Delta R.T. 0.01 min
Lab File: VW013177.D
Acq: 20 Sep 2019 12:43

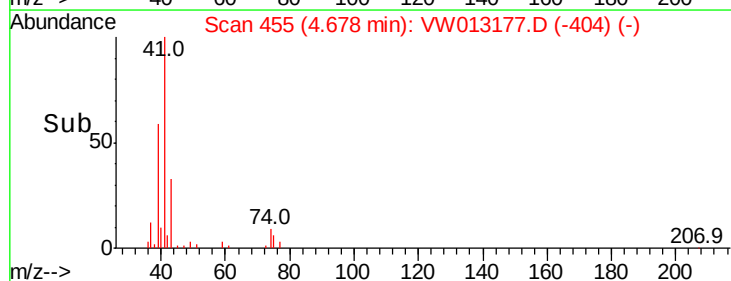
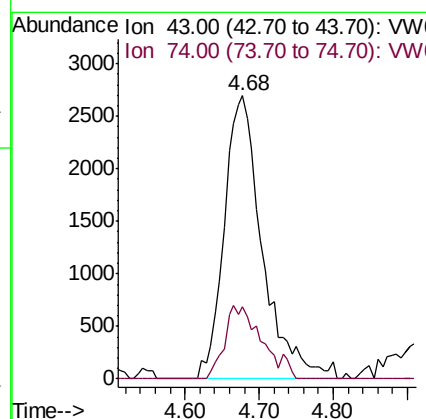
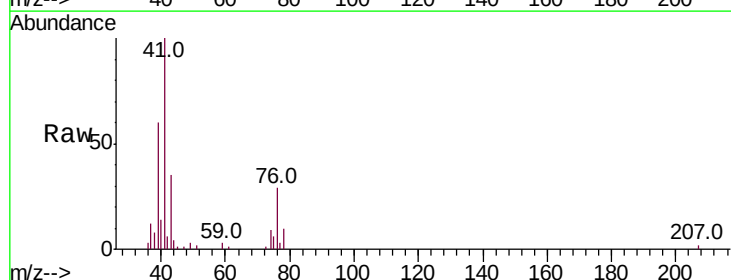
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

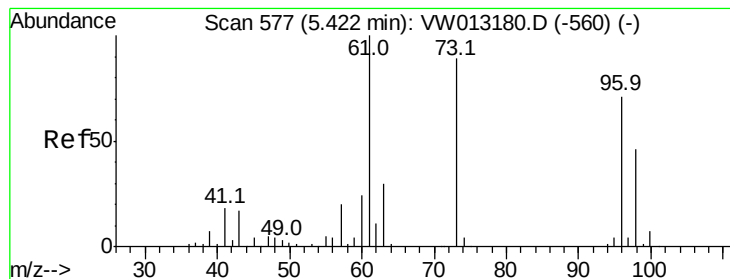
Tot Ion: 76 Resp: 47600
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.4



#18
Methyl Acetate
Concen: 5.483 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW013177.D
Acq: 20 Sep 2019 12:43

Tgt Ion: 43 Resp: 9635
Ion Ratio Lower Upper
43 100
74 23.5 19.3 28.9



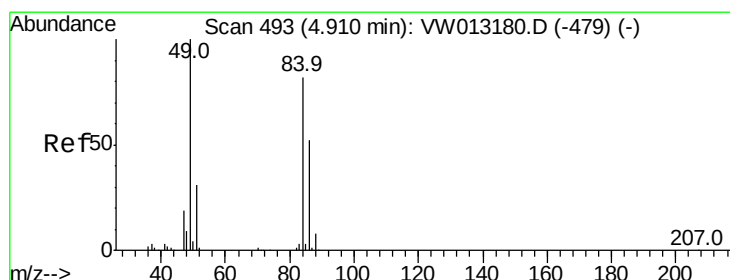
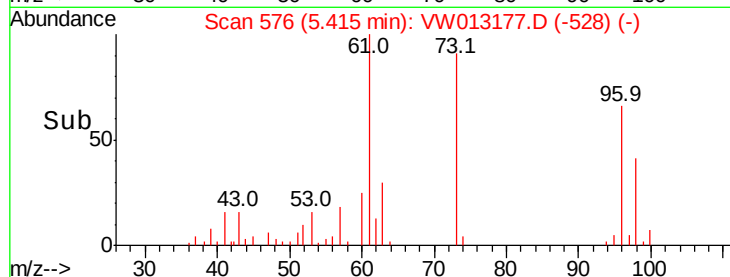
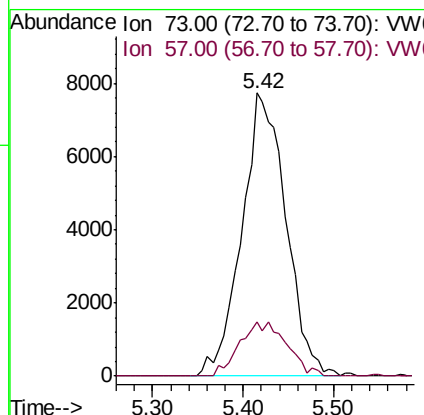
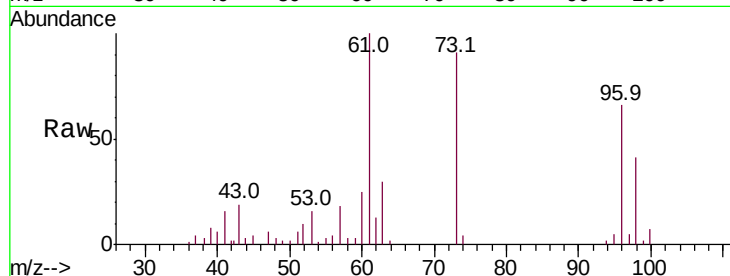


#19

Methyl tert-butyl Ether
 Concen: 5.680 ug/l
 RT: 5.42 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

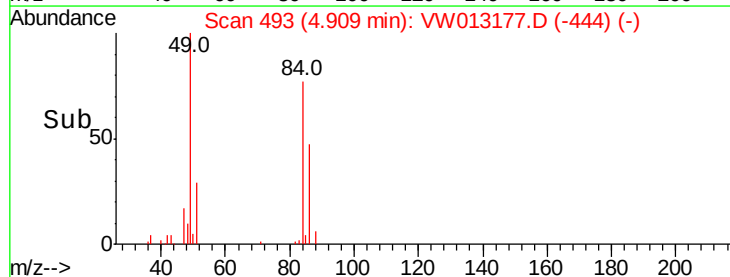
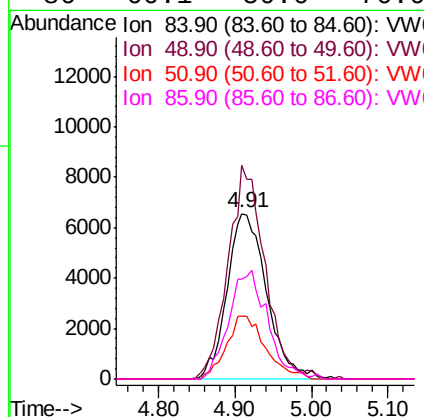
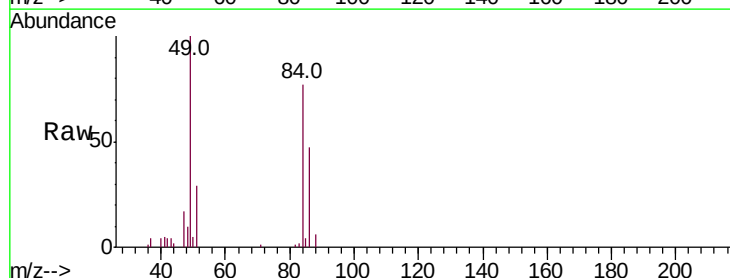
Tot Ion: 73 Resp: 26068
 Ion Ratio Lower Upper
 73 100
 57 19.3 17.6 26.4

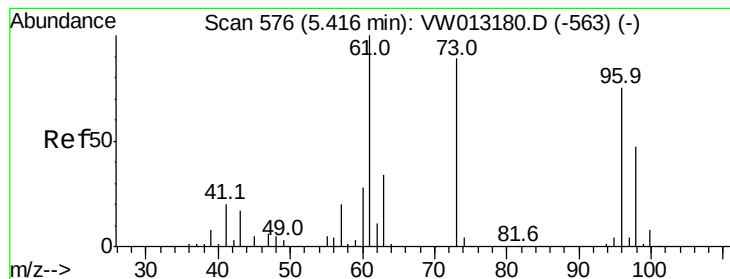


#20

Methylene Chloride
 Concen: 7.787 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion: 84 Resp: 23476
 Ion Ratio Lower Upper
 84 100
 49 129.2 97.6 146.4
 51 37.6 30.2 45.2
 86 60.1 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 7.125 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

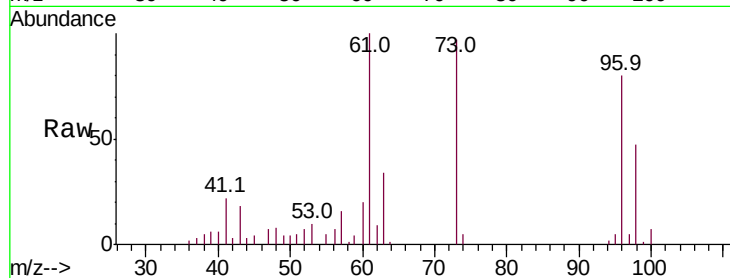
Tot Ion: 96 Resp: 18731

Ion Ratio Lower Upper

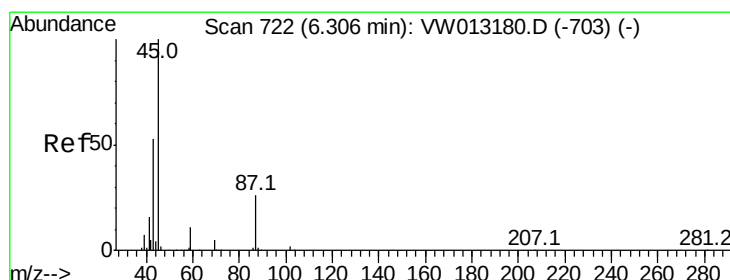
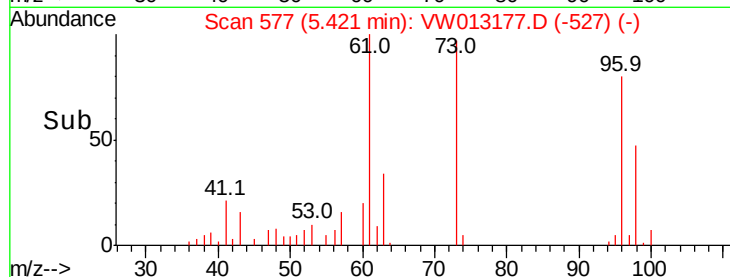
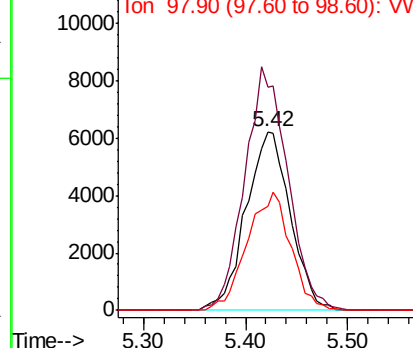
96 100

61 124.8 106.6 159.8

98 58.5 49.8 74.8



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



#22

Diisopropyl ether

Concen: 5.488 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Tgt Ion: 45 Resp: 50372

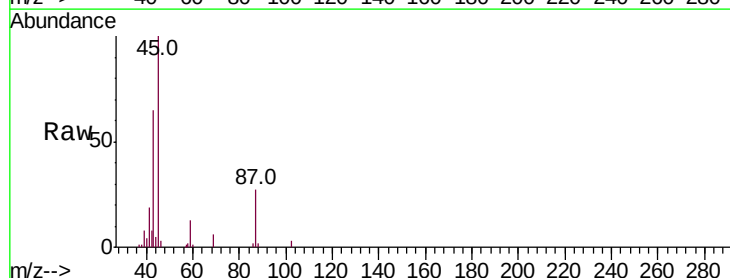
Ion Ratio Lower Upper

45 100

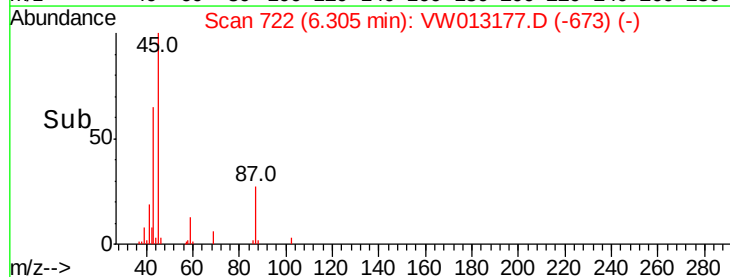
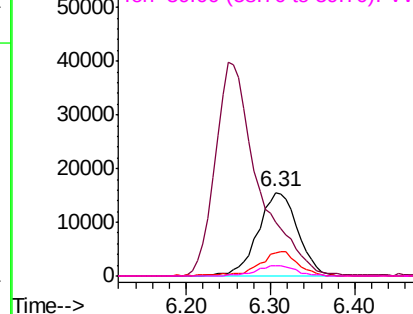
43 62.6 42.4 63.6

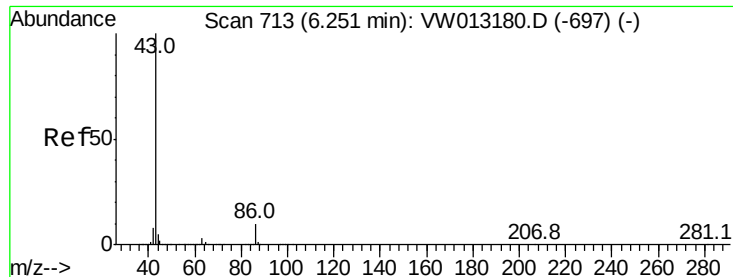
87 26.9 20.4 30.6

59 12.6 8.8 13.2



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 25.661 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

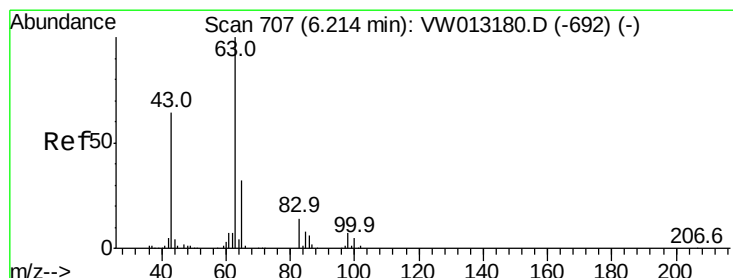
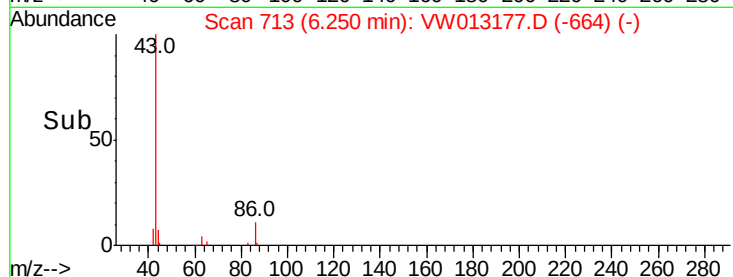
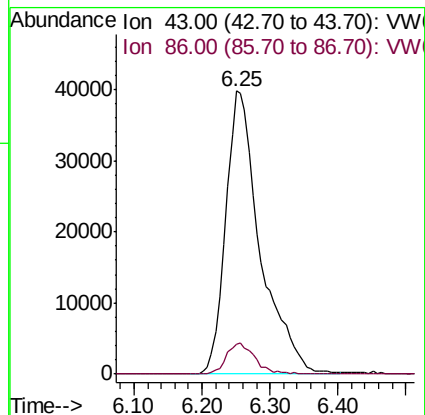
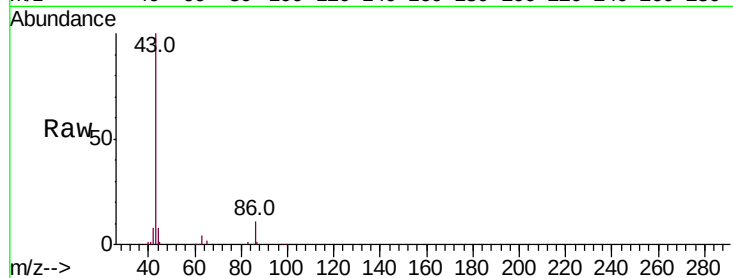
VSTDIC005

Tot Ion: 43 Resp: 140041

Ion Ratio Lower Upper

43 100

86 10.7 8.3 12.5



#24

1,1-Dichloroethane

Concen: 5.732 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

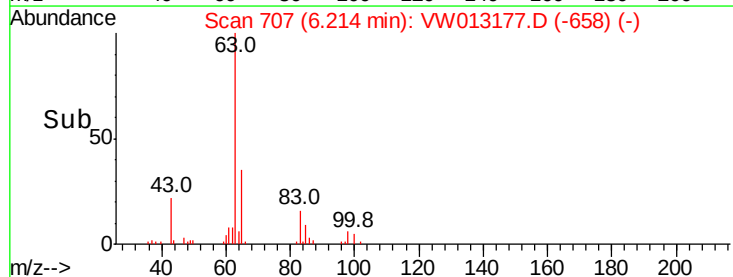
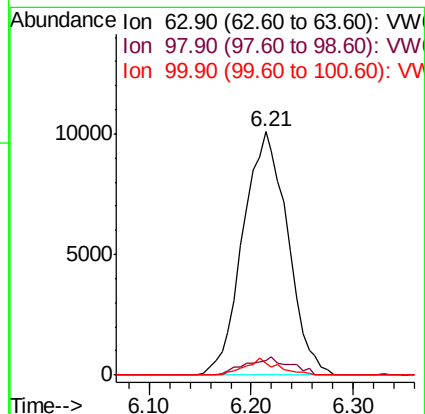
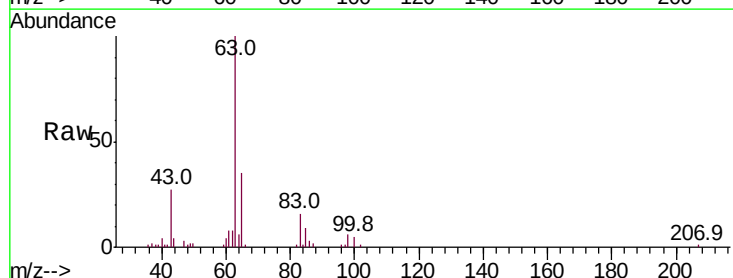
Tgt Ion: 63 Resp: 30643

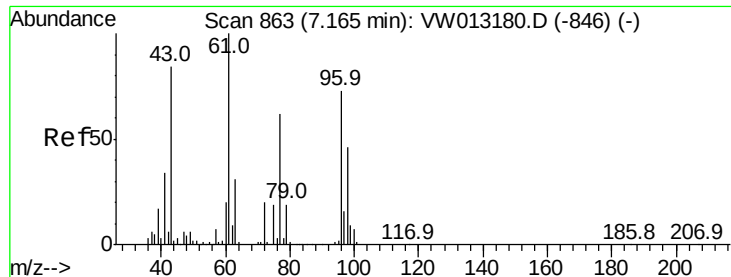
Ion Ratio Lower Upper

63 100

98 6.2 3.5 10.5

100 4.7 2.4 7.1





#25

2-Butanone

Concen: 26.282 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.02 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

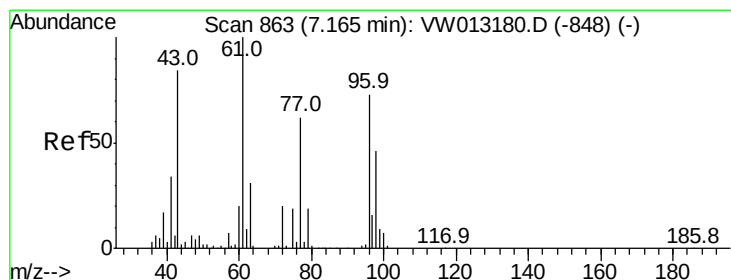
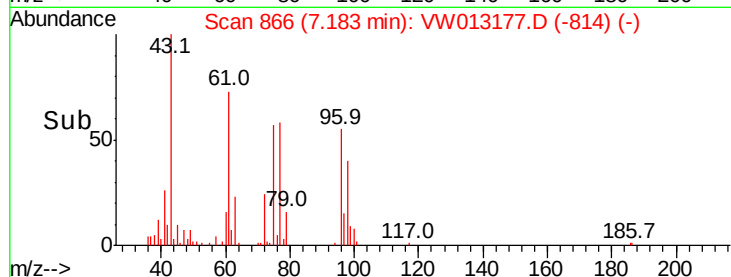
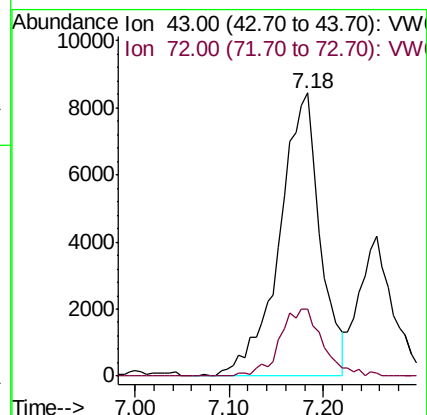
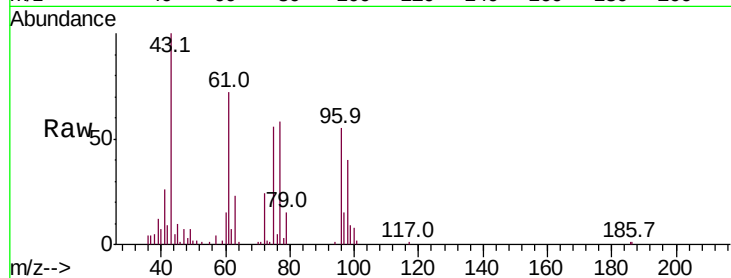
VSTDIC005

Tot Ion: 43 Resp: 25381

Ion Ratio Lower Upper

43 100

72 23.7 19.4 29.0



#26

2,2-Dichloropropane

Concen: 6.646 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013177.D

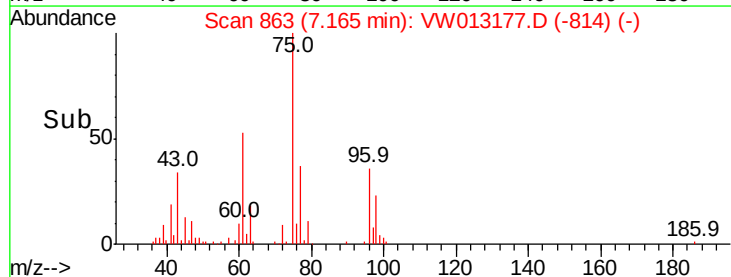
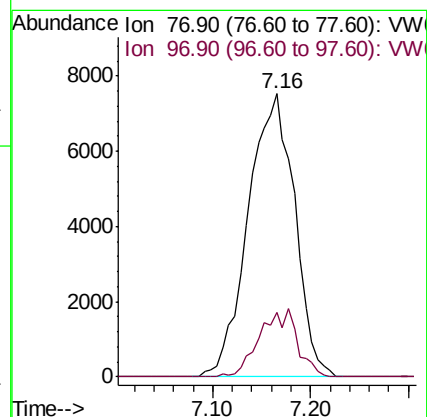
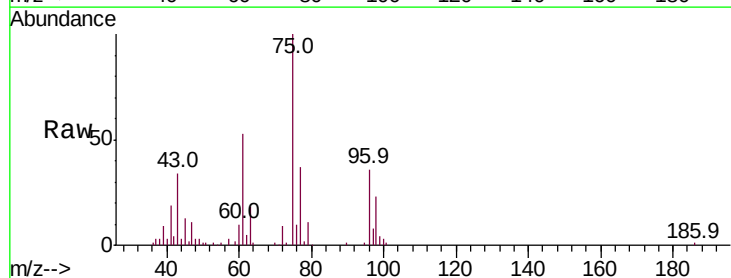
Acq: 20 Sep 2019 12:43

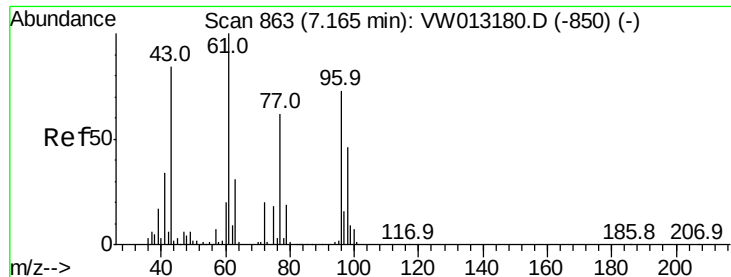
Tgt Ion: 77 Resp: 24802

Ion Ratio Lower Upper

77 100

97 19.5 11.8 35.4





#27

cis-1,2-Dichloroethene

Concen: 6.284 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

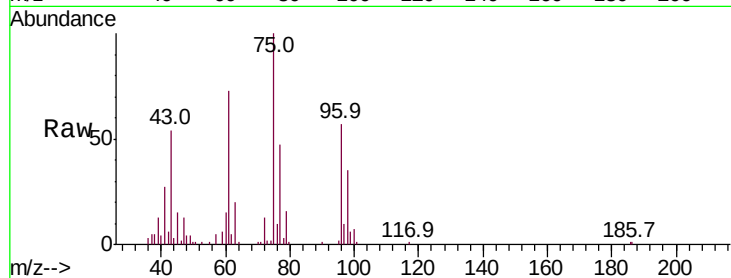
Tot Ion: 96 Resp: 19335

Ion Ratio Lower Upper

96 100

61 157.9 0.0 282.4

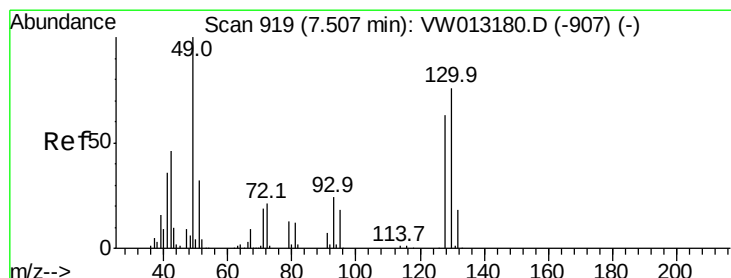
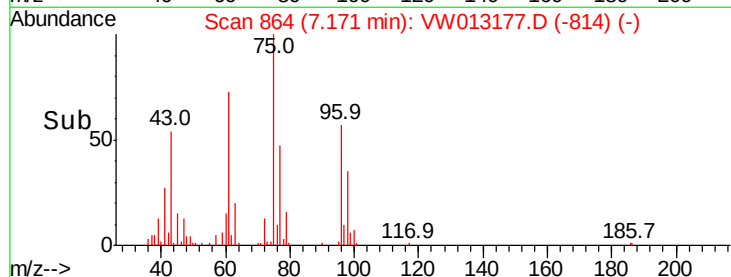
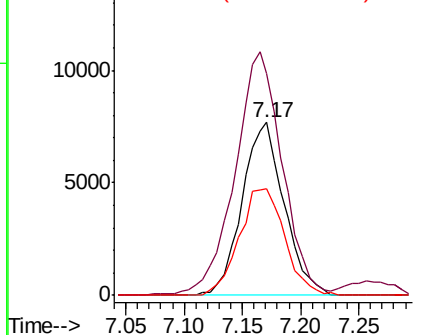
98 66.6 0.0 128.2



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#28

Bromochloromethane

Concen: 5.028 ug/l

RT: 7.52 min Scan# 921

Delta R.T. 0.01 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

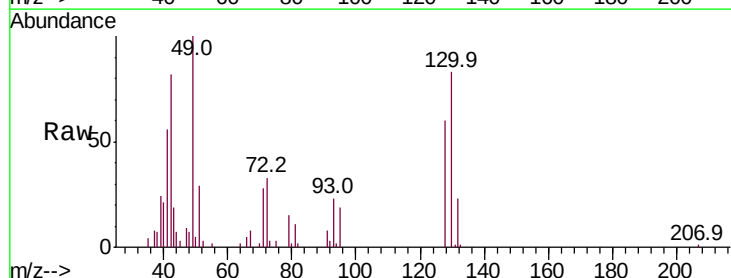
Tgt Ion: 49 Resp: 11261

Ion Ratio Lower Upper

49 100

129 0.4 0.0 1.0

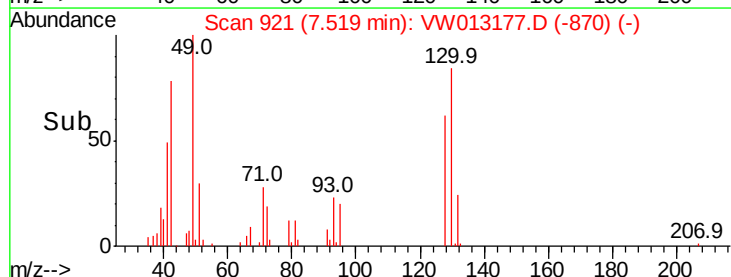
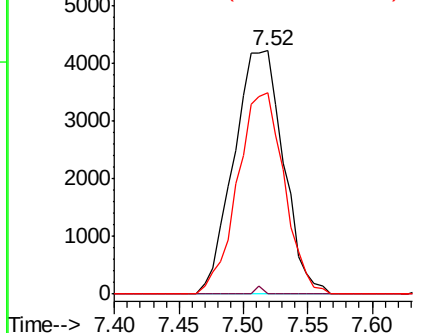
130 77.6 63.4 95.2

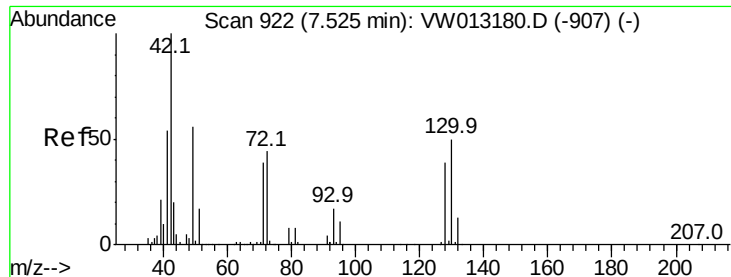


Abundance Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

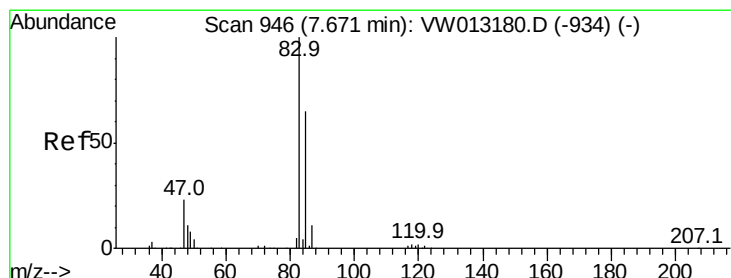
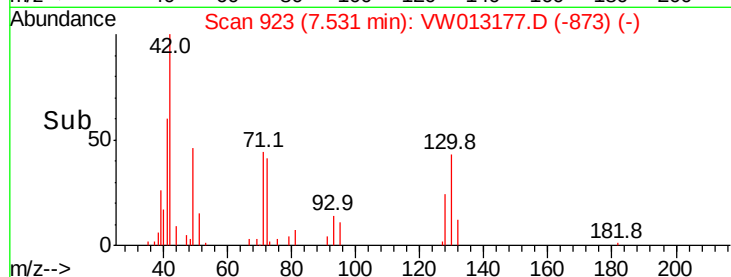
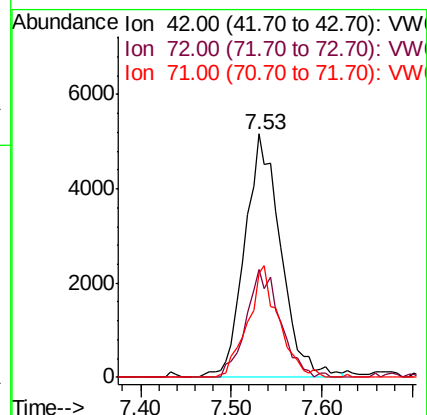
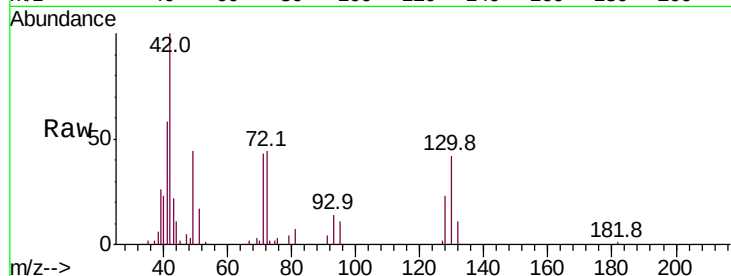




#29
Tetrahydrofuran
Concen: 25.454 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013177.D
Acq: 20 Sep 2019 12:43

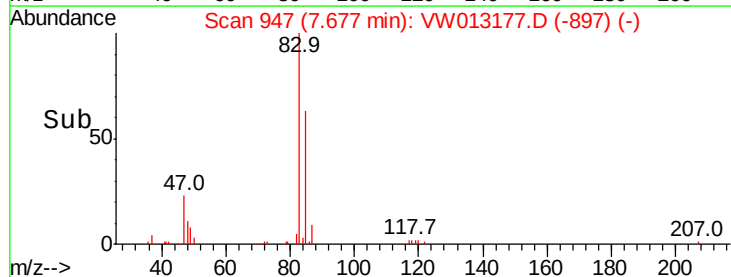
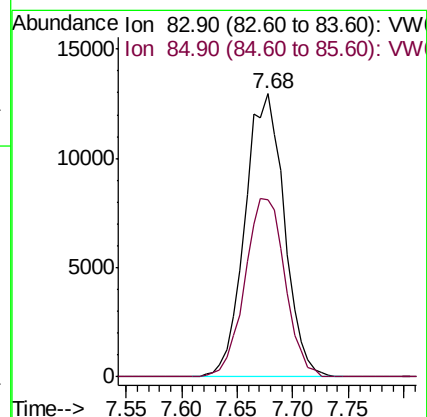
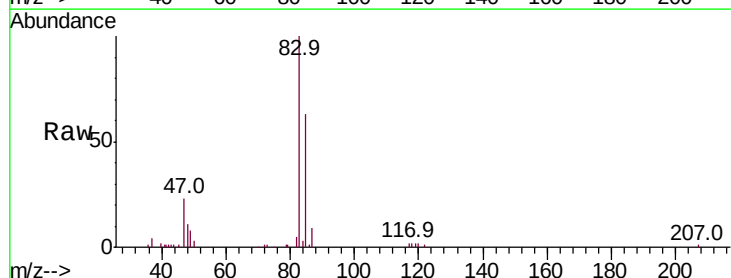
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

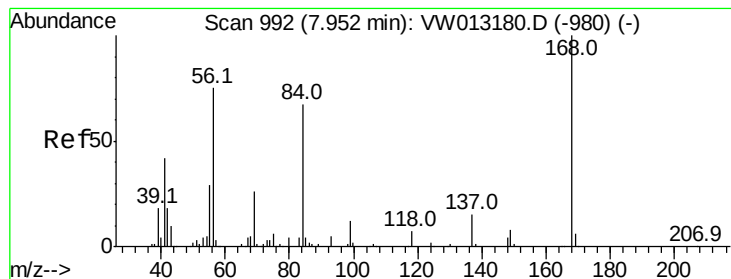
Tot Ion	Ratio	Lower	Upper
42	100		
72	41.5	33.9	50.9
71	39.4	31.9	47.9



#30
Chloroform
Concen: 5.939 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW013177.D
Acq: 20 Sep 2019 12:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.5	52.3	78.5





#31

Cyclohexane

Concen: 7.540 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

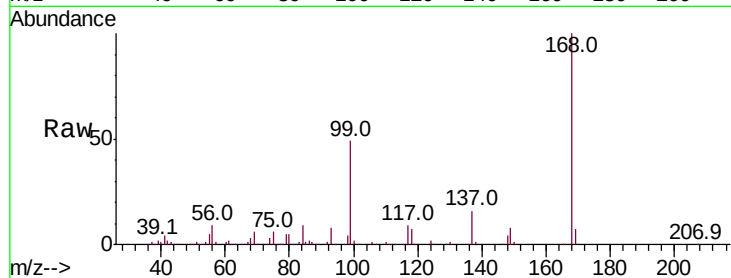
Tot Ion: 56 Resp: 35794

Ion Ratio Lower Upper

56 100

69 62.8 27.2 40.8#

84 100.9 70.8 106.2

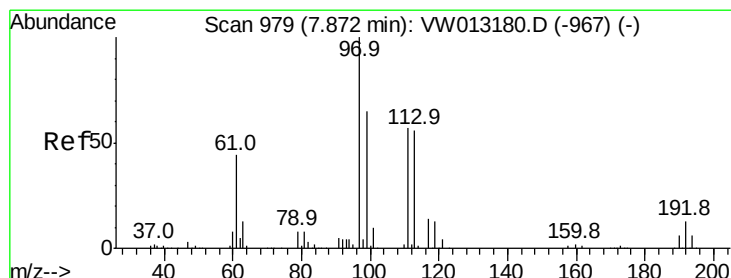
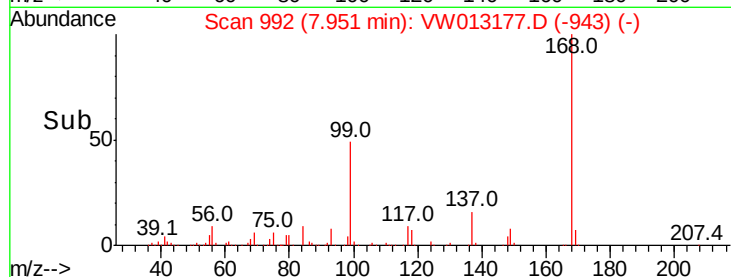
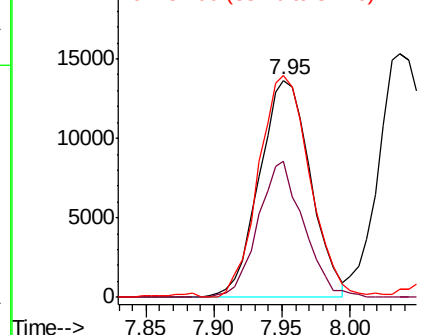


Abundance

Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 5.657 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

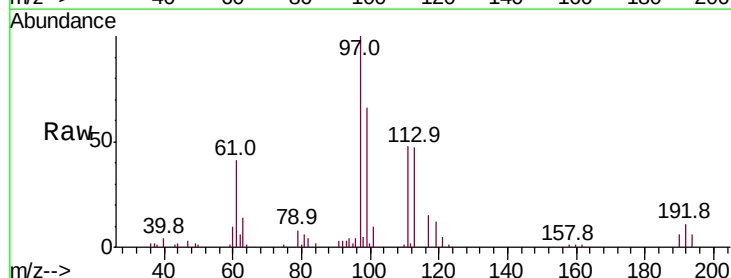
Tgt Ion: 97 Resp: 25050

Ion Ratio Lower Upper

97 100

99 65.6 51.7 77.5

61 43.9 34.6 51.8

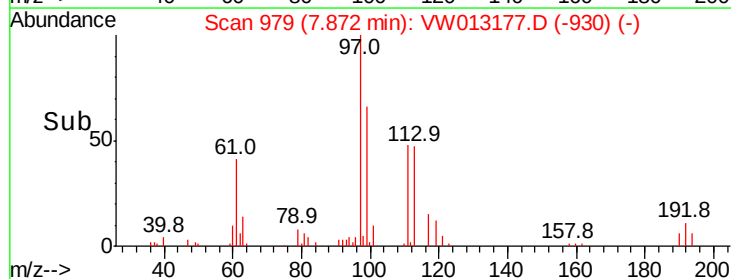
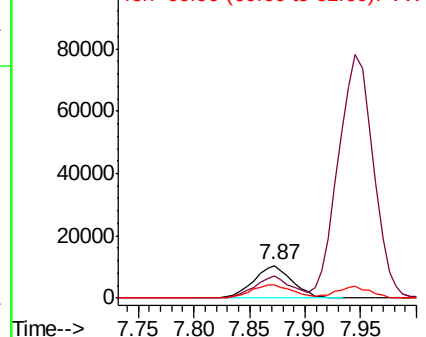


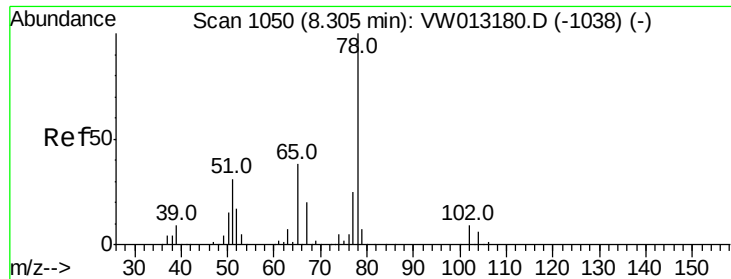
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 98.90 (98.60 to 99.60): VW

Ion 60.90 (60.60 to 61.60): VW

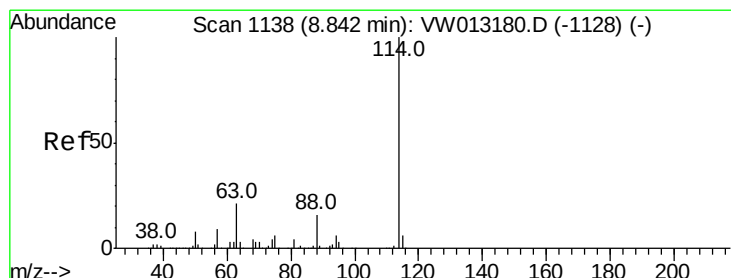
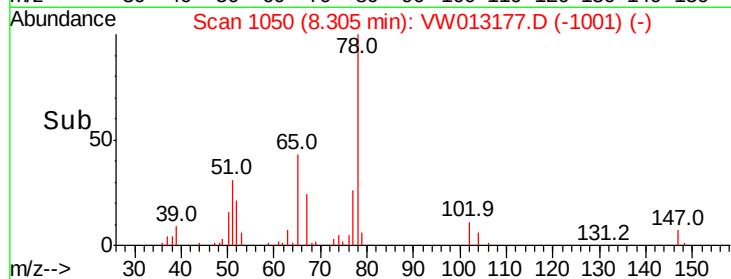
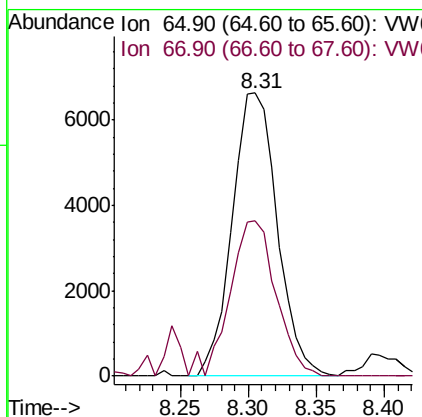
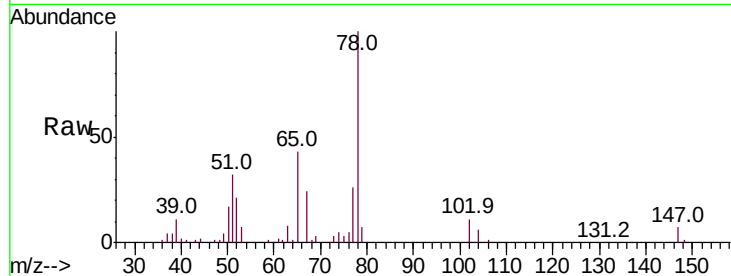




#33
 1,2-Dichloroethane-d4
 Concen: 5.095 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

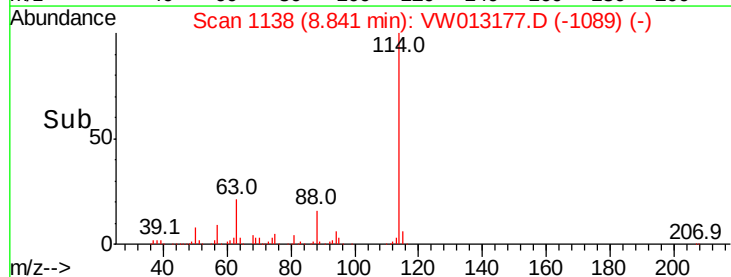
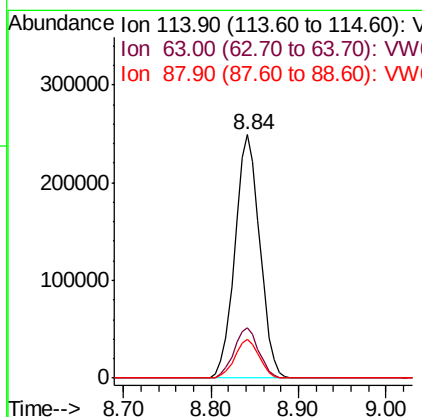
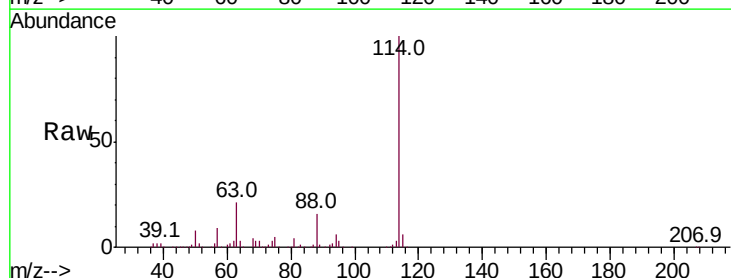
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

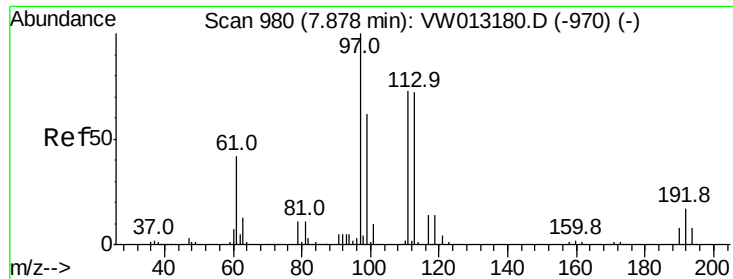
Tot Ion: 65 Resp: 15396
 Ion Ratio Lower Upper
 65 100
 67 55.9 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion: 114 Resp: 492232
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 41.4
 88 16.0 0.0 32.0

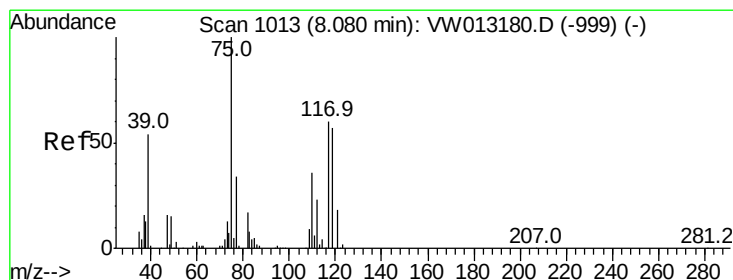
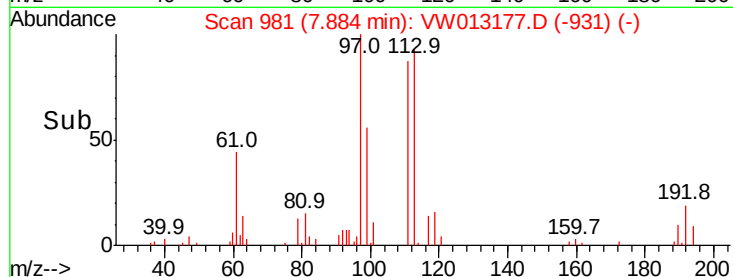
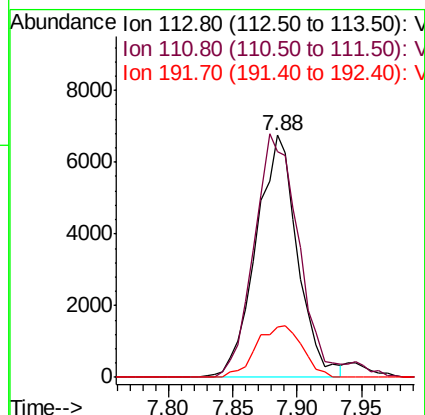
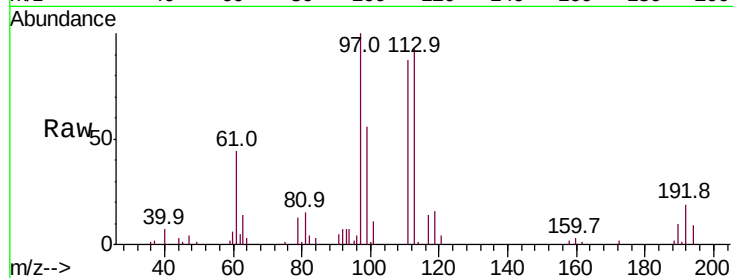




#35
 Dibromofluoromethane
 Concen: 5.676 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

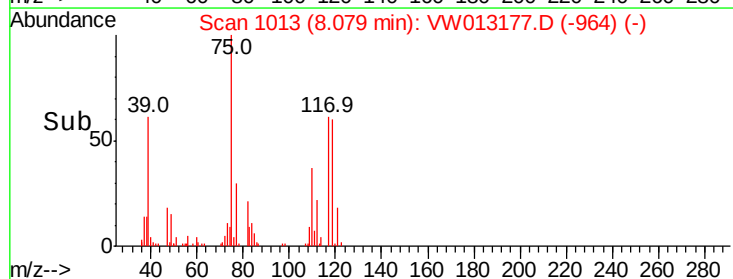
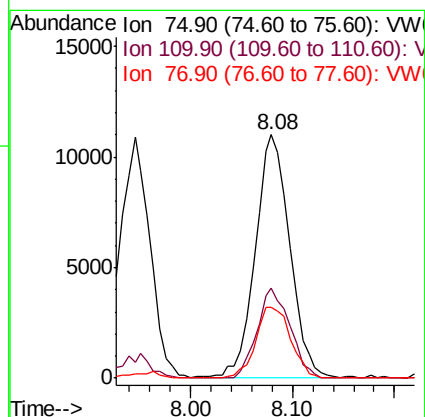
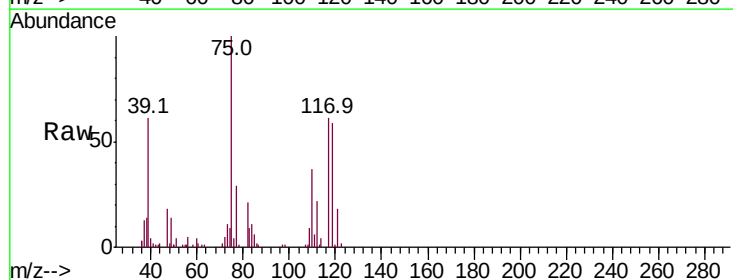
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

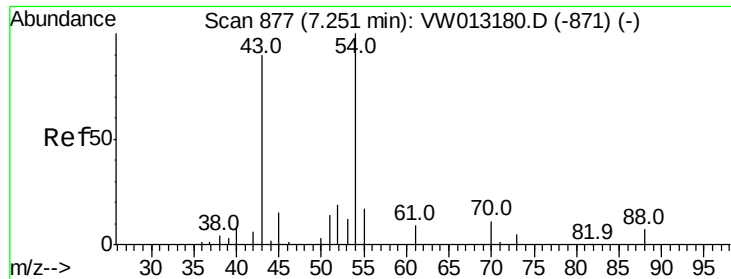
Tot Ion:113 Resp: 15106
 Ion Ratio Lower Upper
 113 100
 111 107.1 81.9 122.9
 192 23.5 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 6.387 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion: 75 Resp: 25922
 Ion Ratio Lower Upper
 75 100
 110 35.0 18.1 54.3
 77 29.5 25.8 38.6

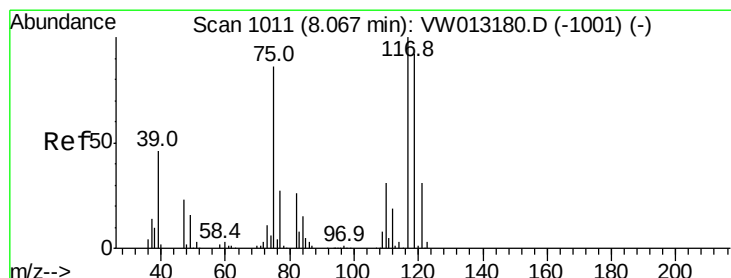
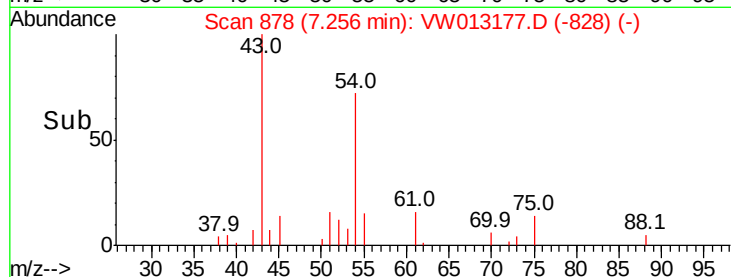
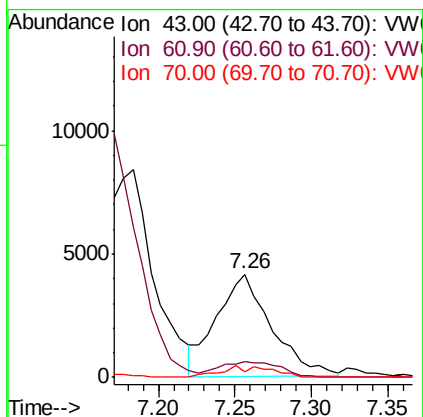
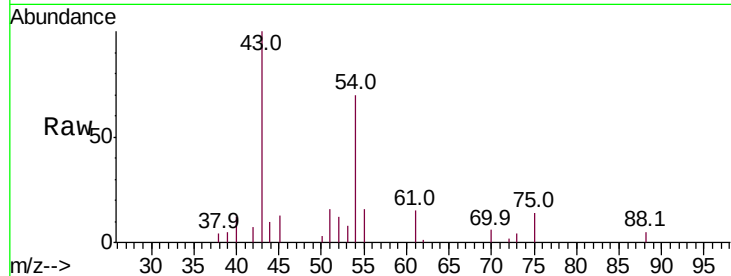




#37
Ethyl Acetate
Concen: 4.999 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW013177.D
Acq: 20 Sep 2019 12:43

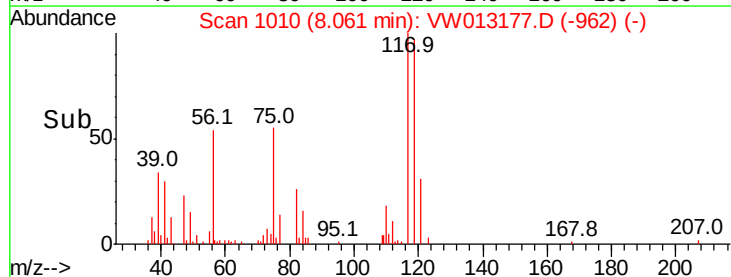
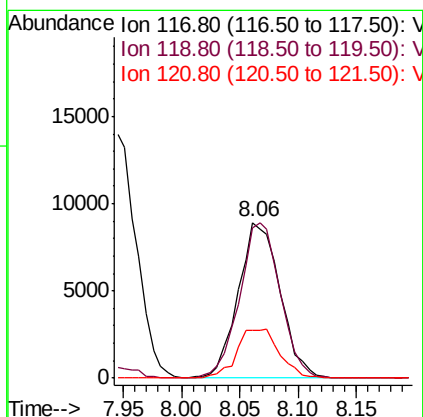
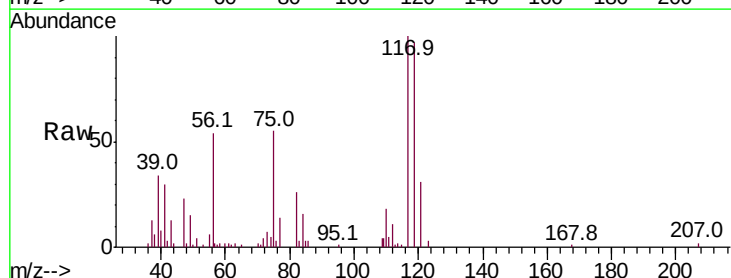
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

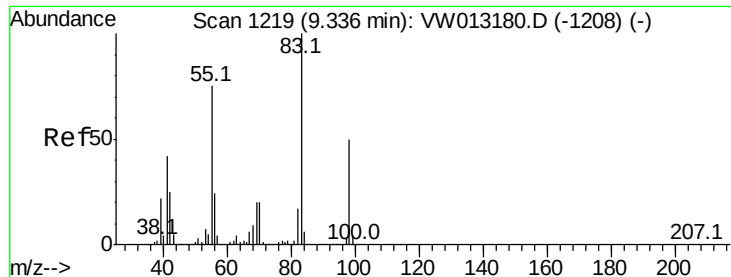
Tot Ion: 43 Resp: 10323
Ion Ratio Lower Upper
43 100
61 17.4 10.9 16.3#
70 5.1 8.2 12.2#



#38
Carbon Tetrachloride
Concen: 5.494 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW013177.D
Acq: 20 Sep 2019 12:43

Tgt Ion: 117 Resp: 22349
Ion Ratio Lower Upper
117 100
119 96.7 73.5 110.3
121 30.7 25.0 37.6

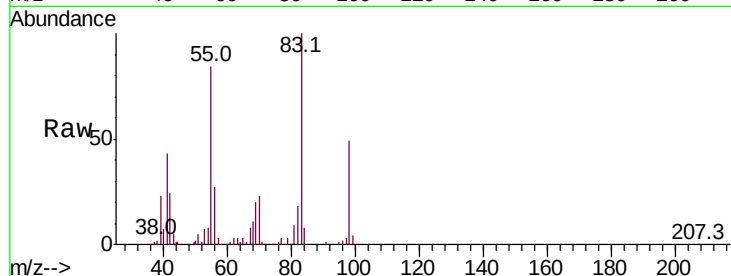




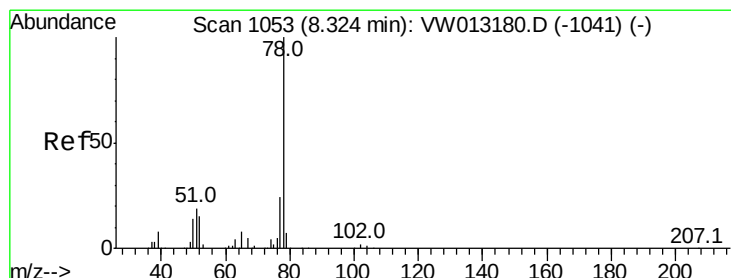
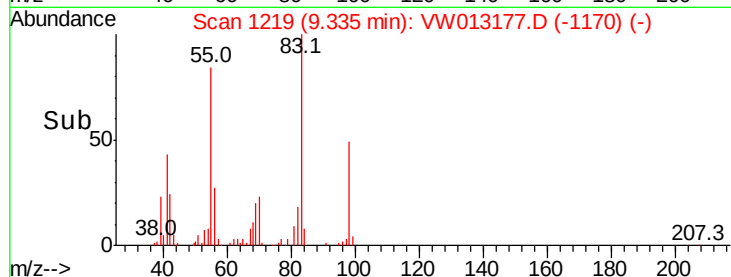
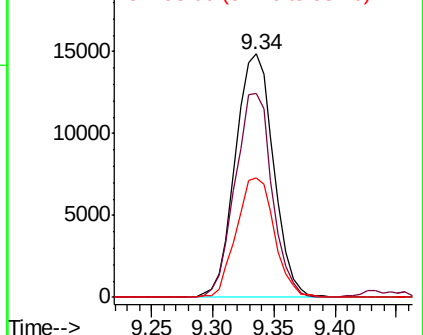
#39
Methylvlcyclohexane
Concen: 6.958 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013177.D
Acq: 20 Sep 2019 12:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 83 Resp: 32192
Ion Ratio Lower Upper
83 100
55 83.5 60.4 90.6
98 49.1 40.0 60.0

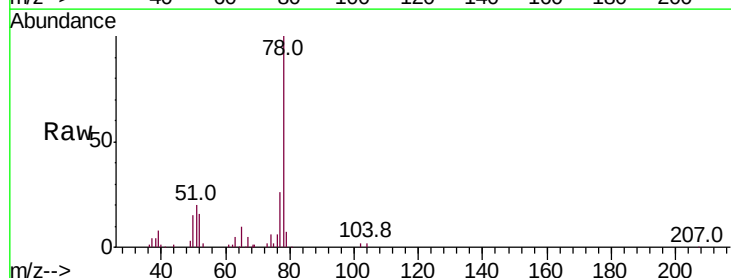


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

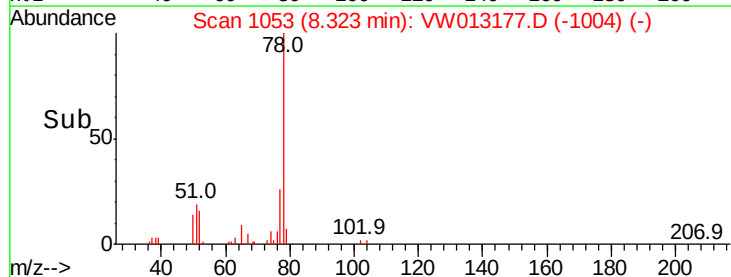
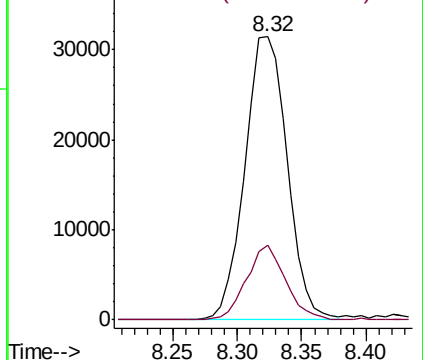


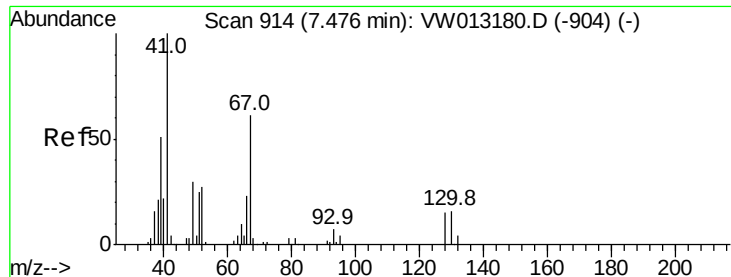
#40
Benzene
Concen: 6.332 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013177.D
Acq: 20 Sep 2019 12:43

Tgt Ion: 78 Resp: 71751
Ion Ratio Lower Upper
78 100
77 26.2 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW





#41

Methacrylonitrile

Concen: 4.445 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.01 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 41 Resp: 5981

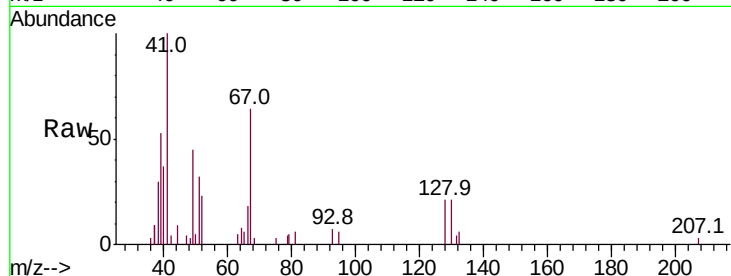
Ion Ratio Lower Upper

41 100

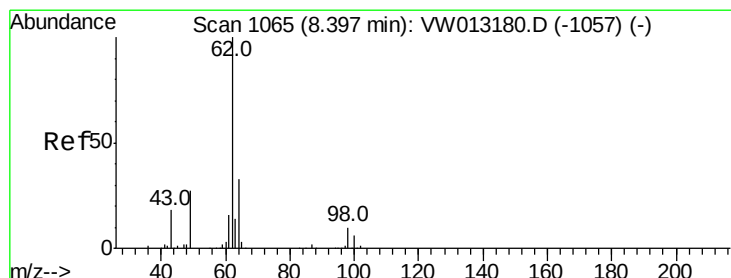
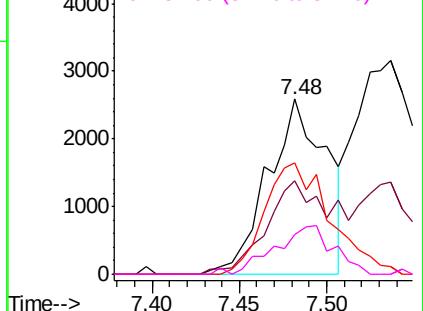
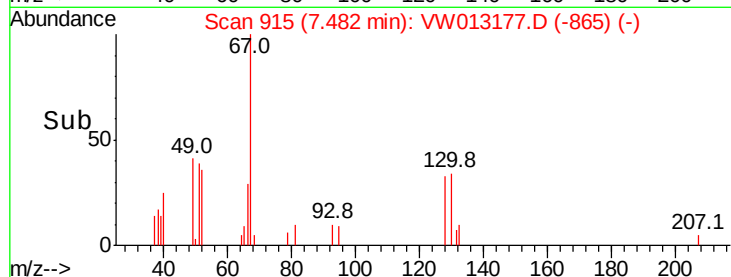
39 61.0 45.9 68.9

67 71.9 54.5 81.7

52 28.1 22.5 33.7



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



#42

1,2-Dichloroethane

Concen: 5.319 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW013177.D

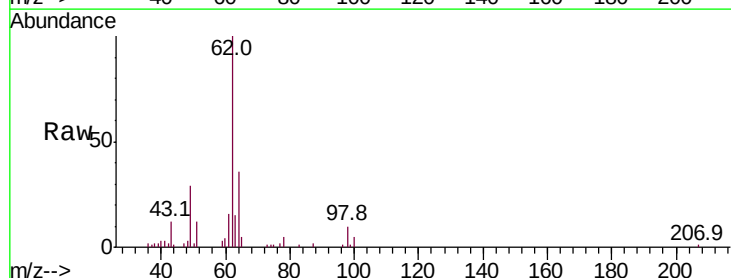
Acq: 20 Sep 2019 12:43

Tgt Ion: 62 Resp: 19427

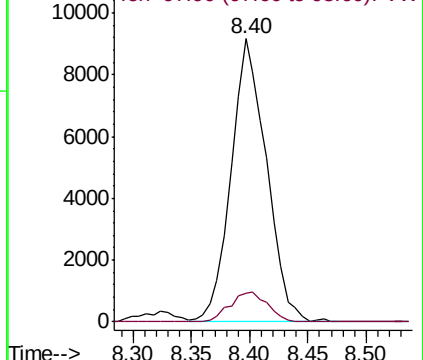
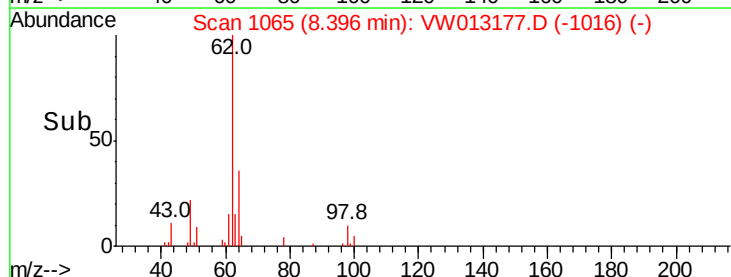
Ion Ratio Lower Upper

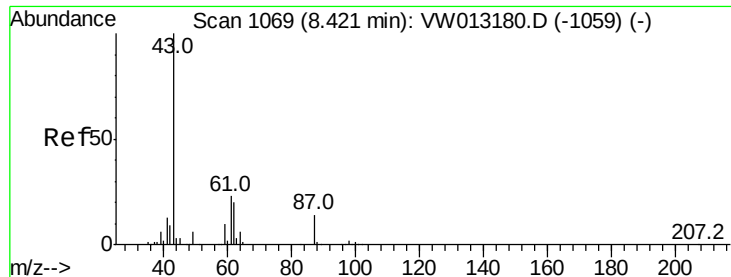
62 100

98 11.2 0.0 20.6



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





#43

Isopropyl Acetate

Concen: 4.843 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

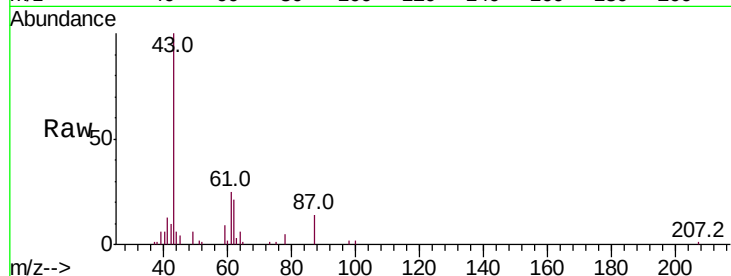
Tot Ion: 43 Resp: 19140

Ion Ratio Lower Upper

43 100

61 35.0 25.5 38.3

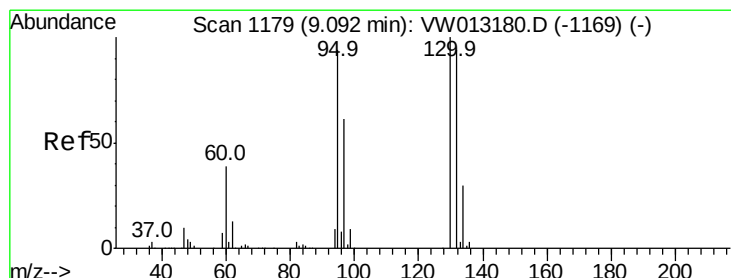
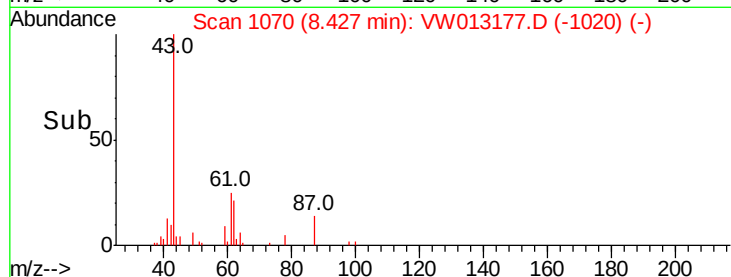
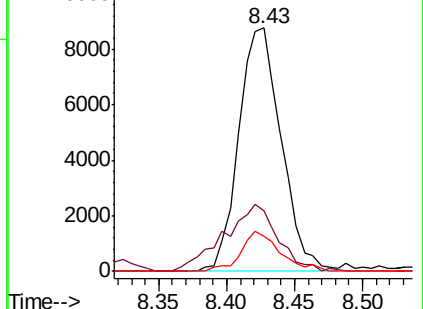
87 15.0 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 6.571 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013177.D

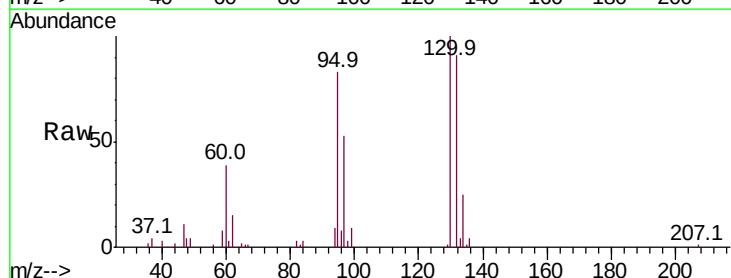
Acq: 20 Sep 2019 12:43

Tgt Ion: 130 Resp: 20532

Ion Ratio Lower Upper

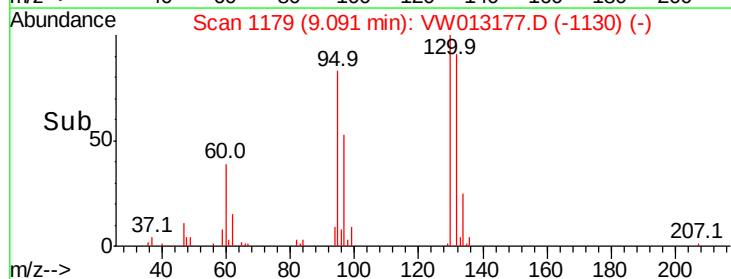
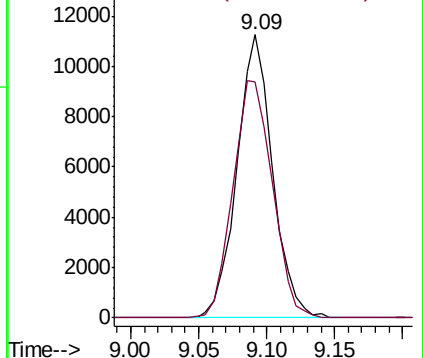
130 100

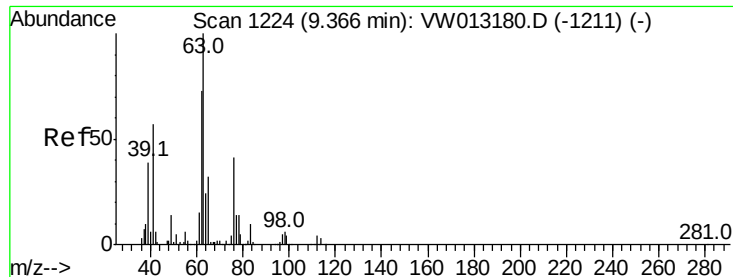
95 83.4 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 6.017 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

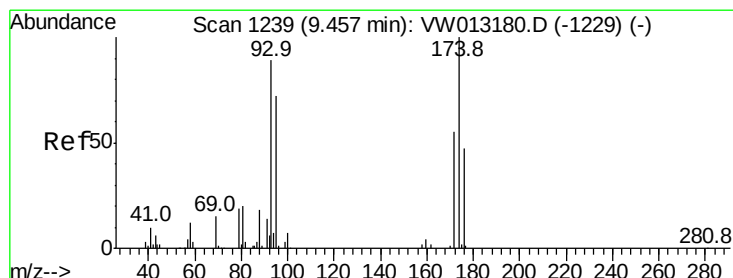
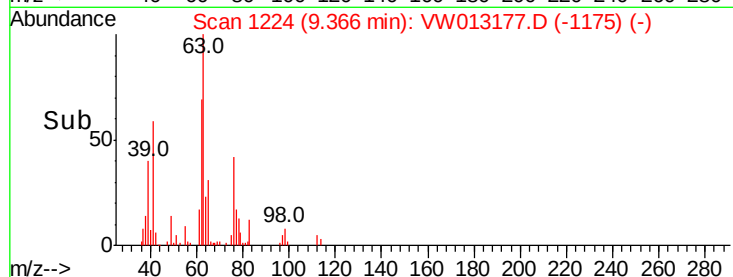
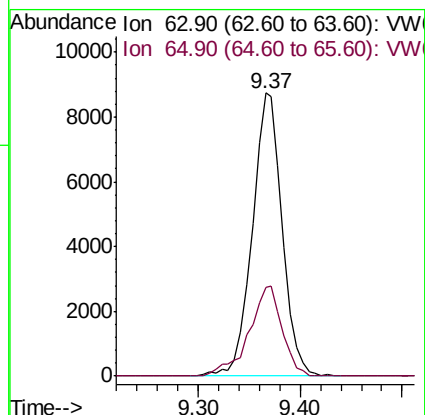
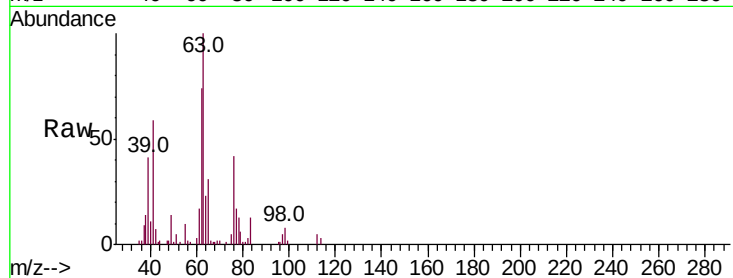
VSTDIC005

Tot Ion: 63 Resp: 17783

Ion Ratio Lower Upper

63 100

65 31.5 25.3 37.9



#46

Dibromomethane

Concen: 5.966 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

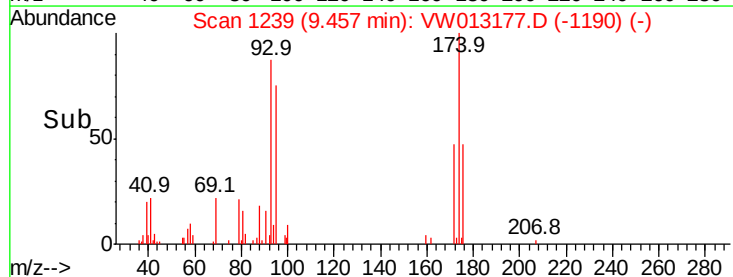
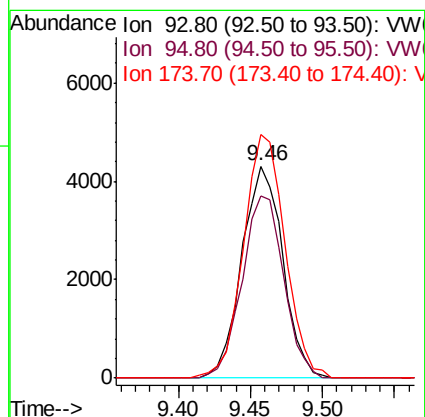
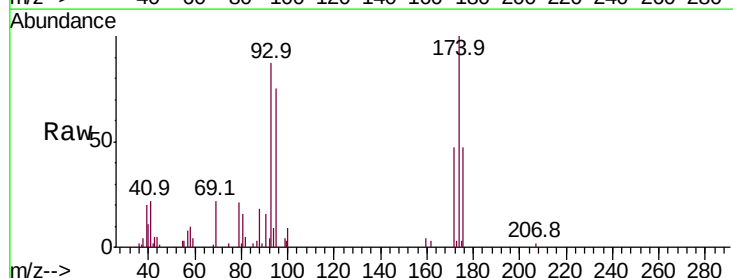
Tgt Ion: 93 Resp: 8468

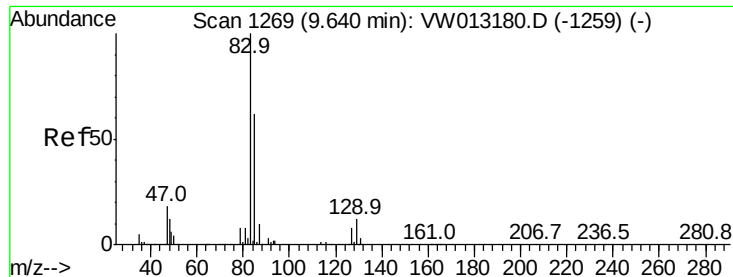
Ion Ratio Lower Upper

93 100

95 87.2 66.4 99.6

174 116.9 93.0 139.6





#47

Bromodichloromethane

Concen: 5.419 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

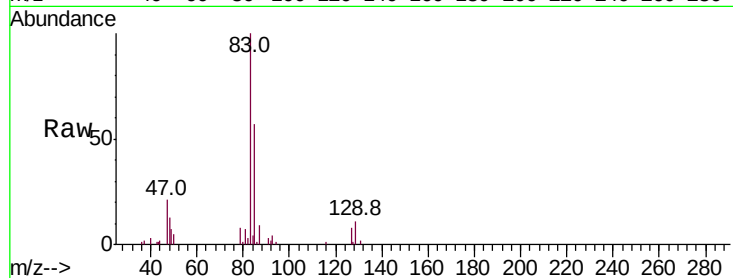
Tot Ion: 83 Resp: 21209

Ion Ratio Lower Upper

83 100

85 57.3 49.4 74.2

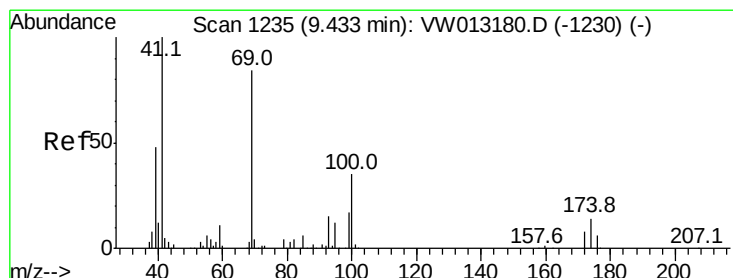
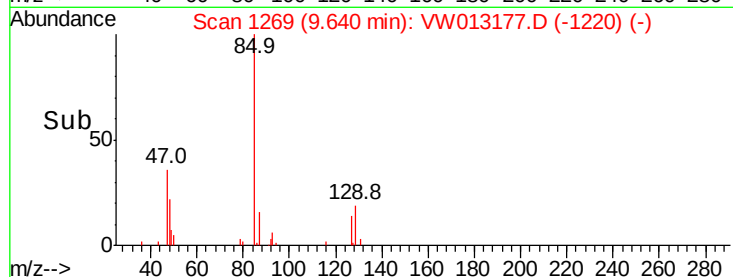
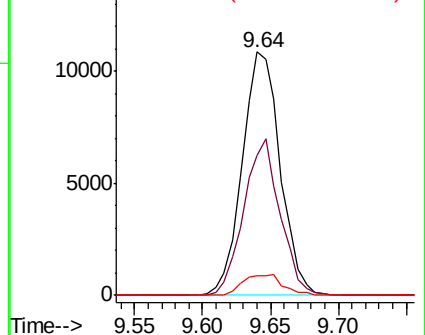
127 8.1 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 4.409 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

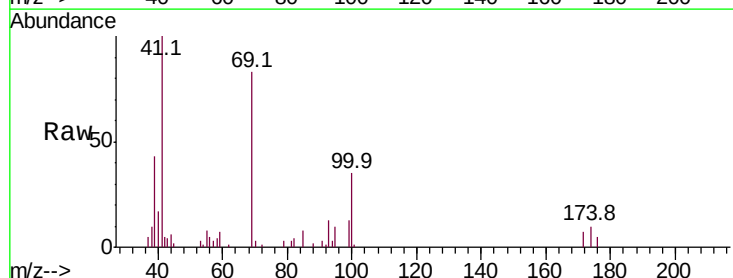
Tgt Ion: 41 Resp: 8196

Ion Ratio Lower Upper

41 100

69 98.1 69.7 104.5

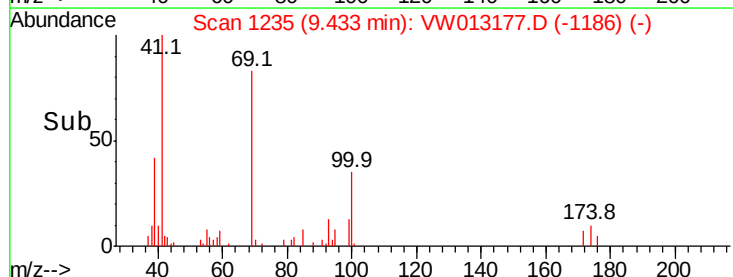
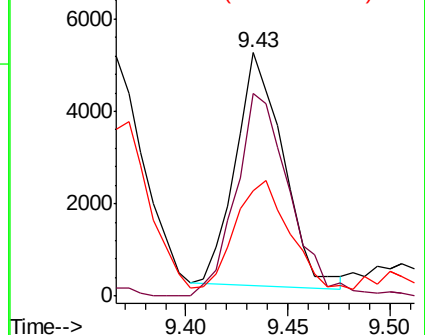
39 54.7 41.1 61.7

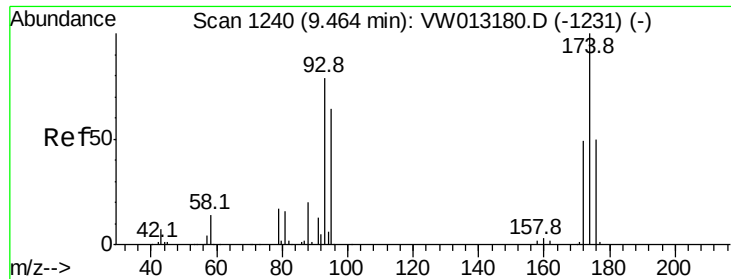


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

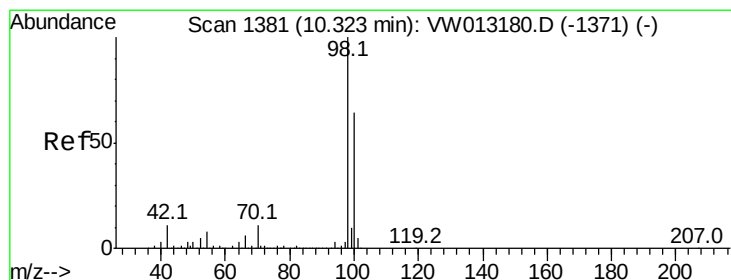
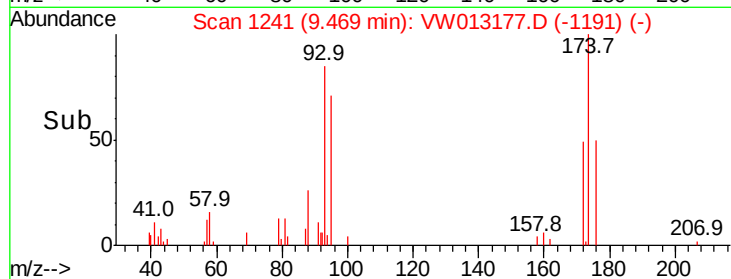
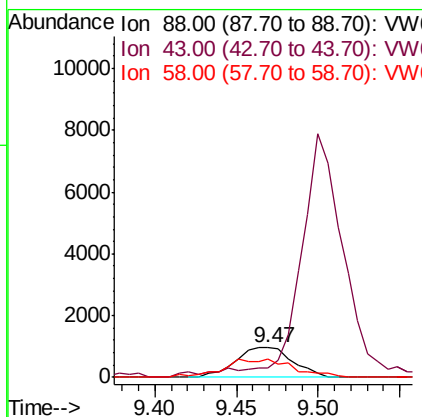
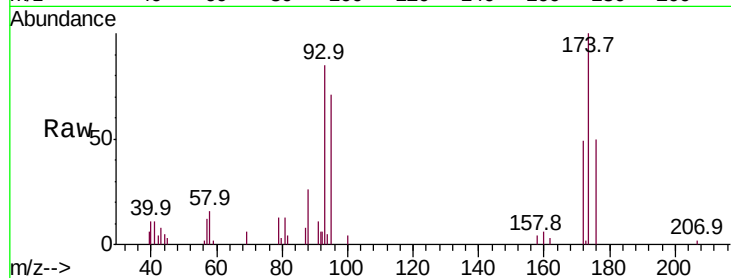




#49
1,4-Dioxane
Concen: 103.749 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VW013177.D
Acq: 20 Sep 2019 12:43

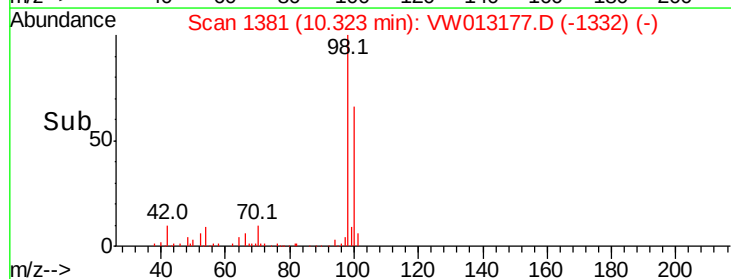
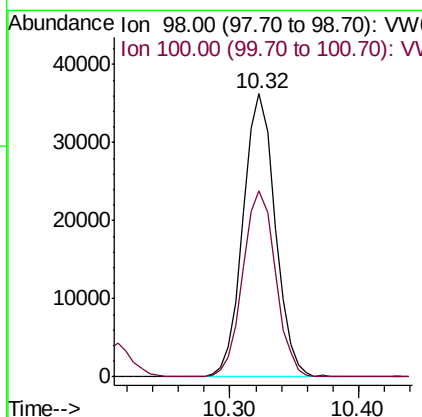
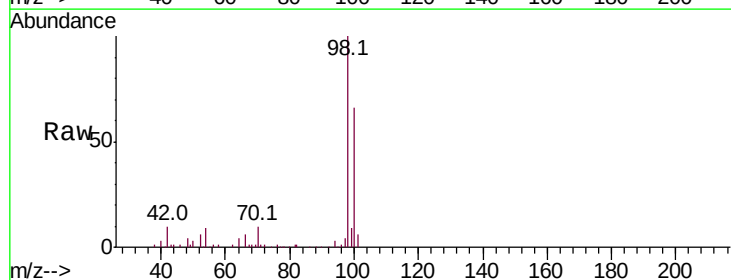
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

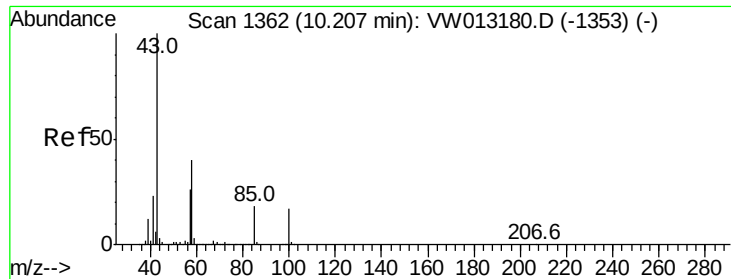
Tot Ion: 88 Resp: 2359
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 39.4 65.4 98.0#



#50
Toluene-d8
Concen: 5.974 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013177.D
Acq: 20 Sep 2019 12:43

Tgt Ion: 98 Resp: 62695
Ion Ratio Lower Upper
98 100
100 66.8 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 23.627 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

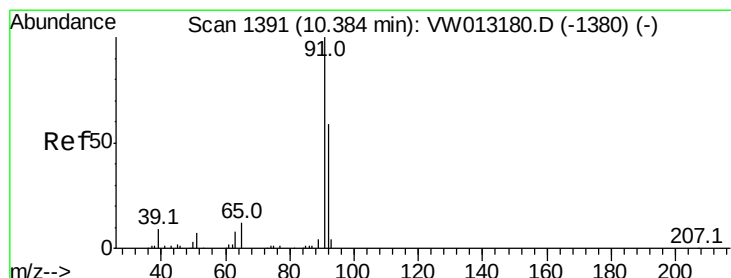
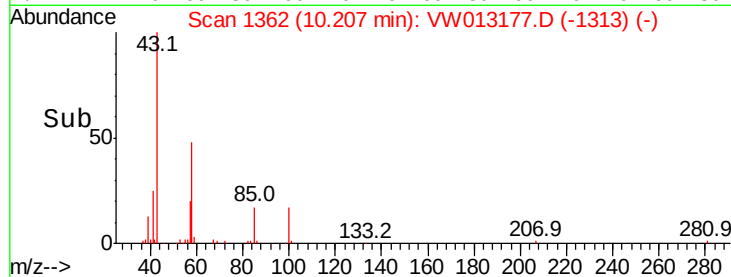
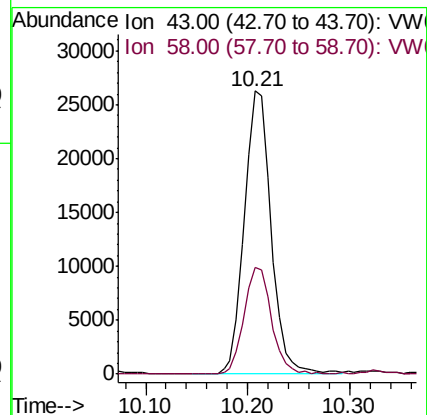
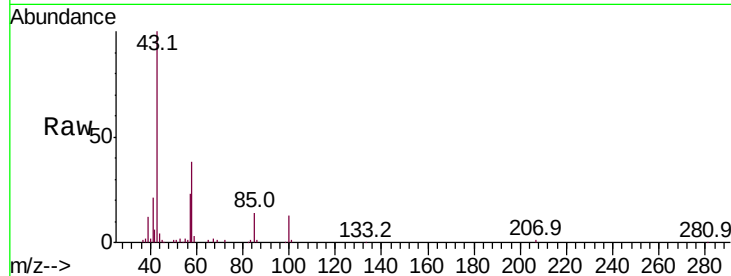
VSTDIC005

Tot Ion: 43 Resp: 48007

Ion Ratio Lower Upper

43 100

58 38.7 31.7 47.5



#52

Toluene

Concen: 6.385 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013177.D

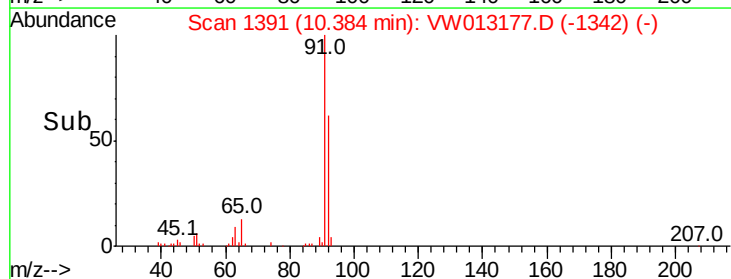
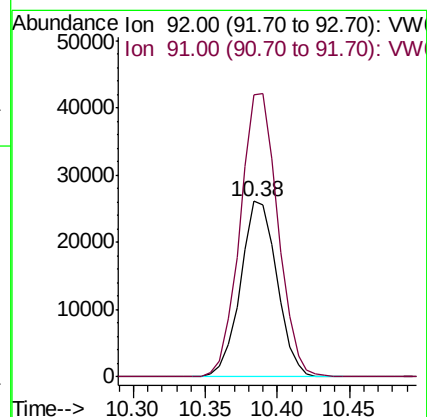
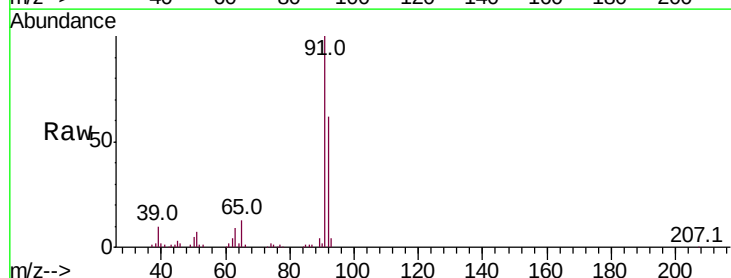
Acq: 20 Sep 2019 12:43

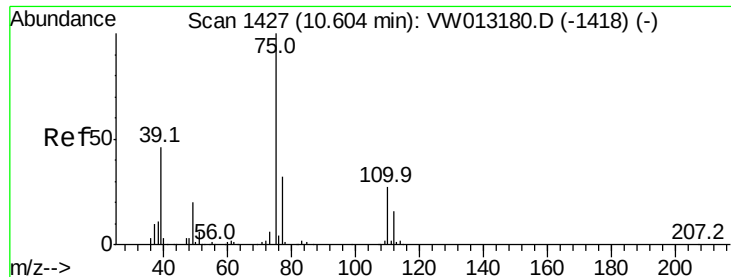
Tgt Ion: 92 Resp: 46016

Ion Ratio Lower Upper

92 100

91 166.9 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 5.017 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

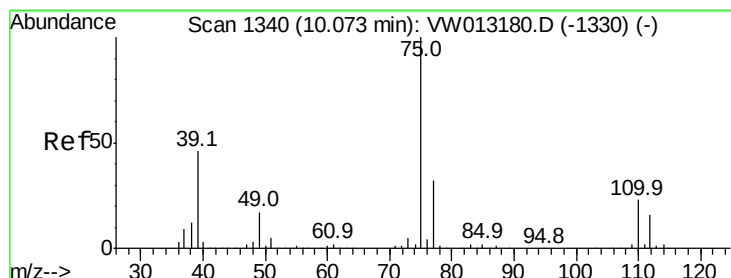
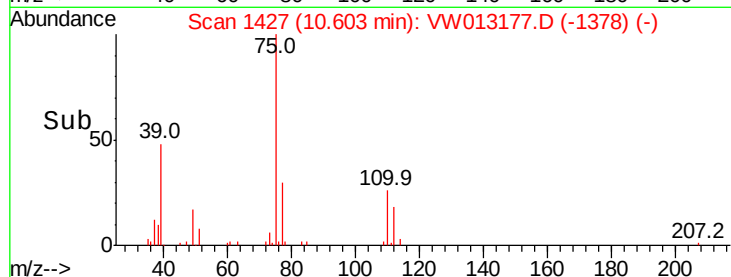
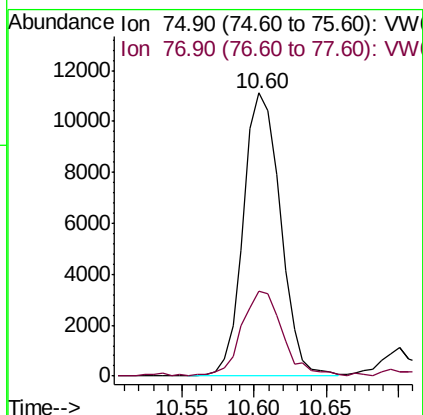
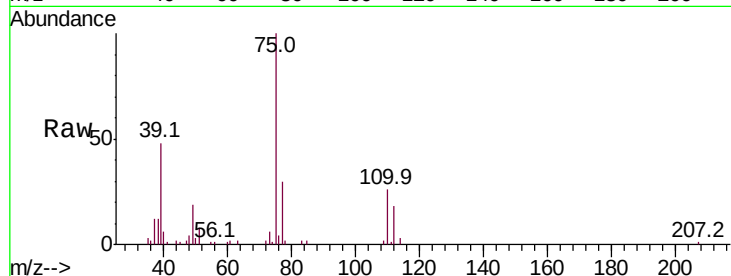
VSTDIC005

Tot Ion: 75 Resp: 19852

Ion Ratio Lower Upper

75 100

77 30.1 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 5.519 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

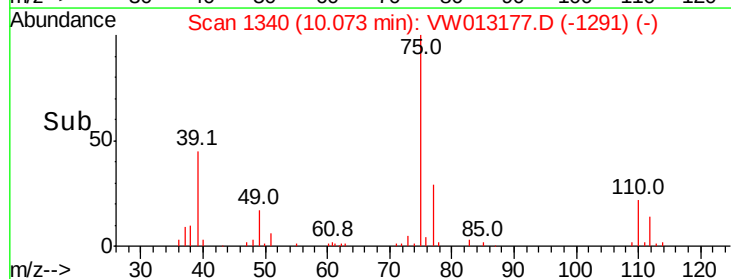
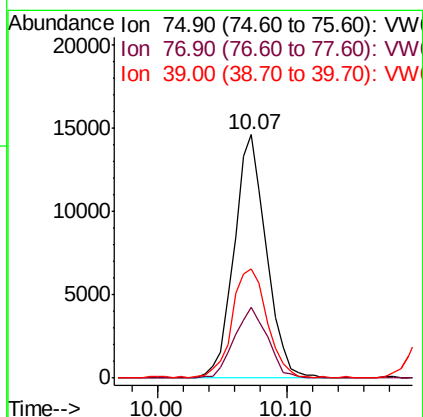
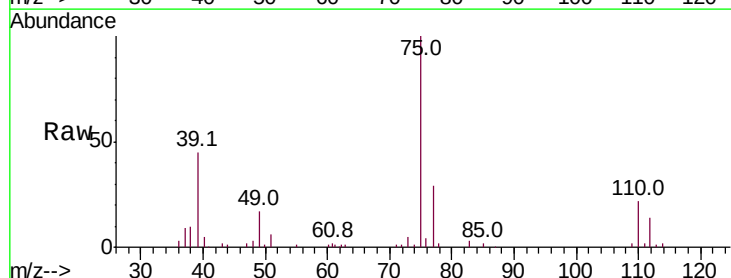
Tgt Ion: 75 Resp: 25216

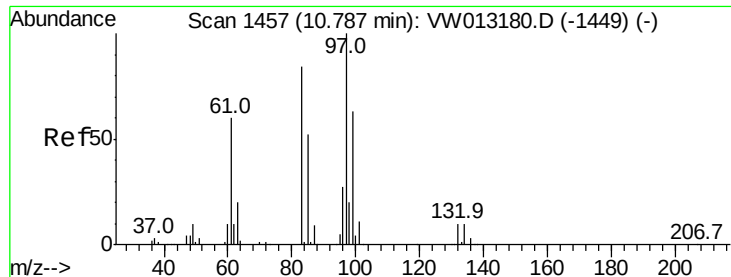
Ion Ratio Lower Upper

75 100

77 29.1 25.2 37.8

39 45.0 36.6 55.0

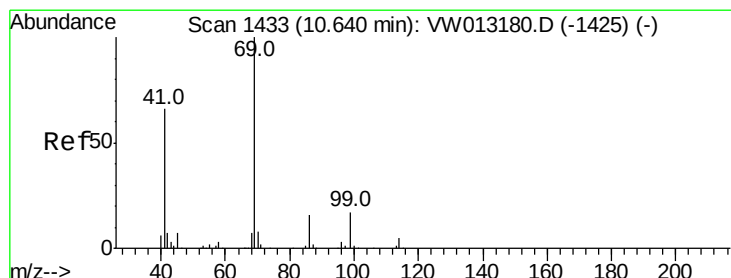
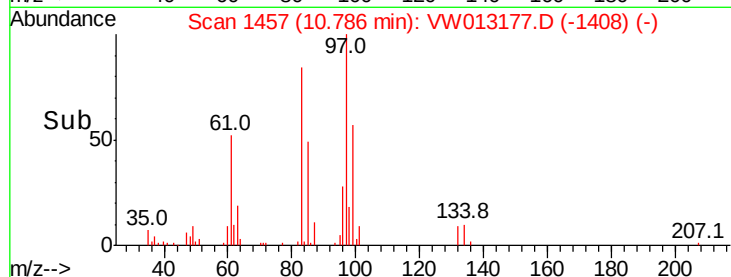
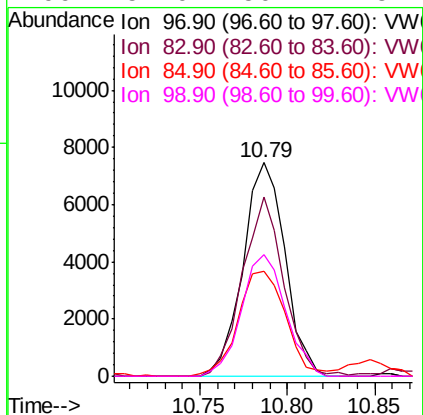
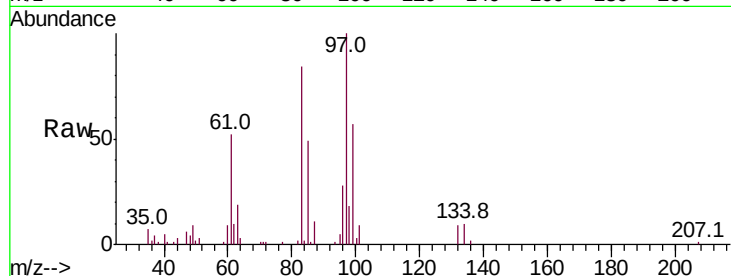




#55
 1,1,2-Trichloroethane
 Concen: 5.785 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

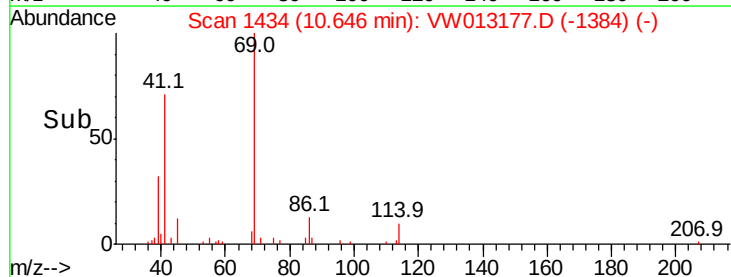
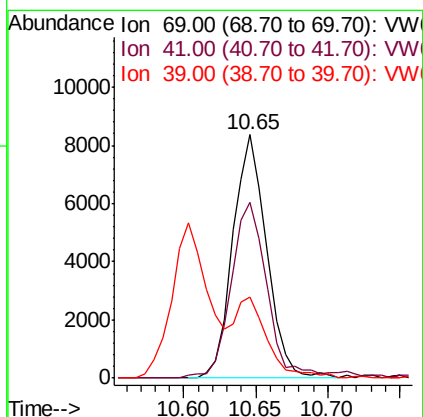
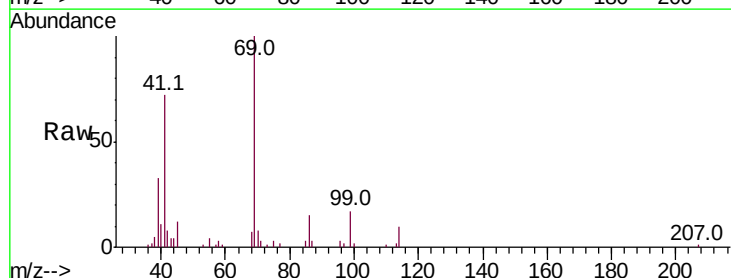
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

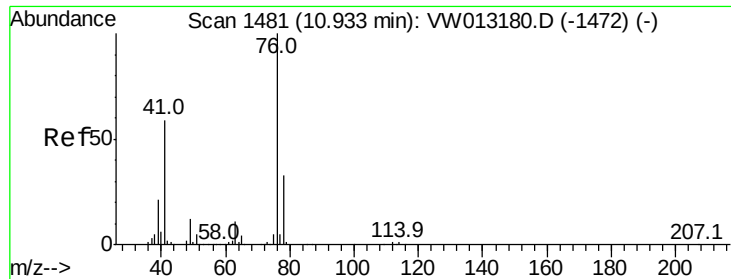
Tot Ion:	97	Resp:	12466
Ion	Ratio	Lower	Upper
97	100		
83	84.2	67.6	101.4
85	48.9	41.9	62.9
99	57.0	50.1	75.1



#56
 Ethyl methacrylate
 Concen: 4.755 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion:	69	Resp:	13711
Ion	Ratio	Lower	Upper
69	100		
41	76.9	53.9	80.9
39	33.1	23.8	35.6





#57

1,3-Dichloropropane

Concen: 5.792 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Instrument :

MSVOA_W

ClientSampled :

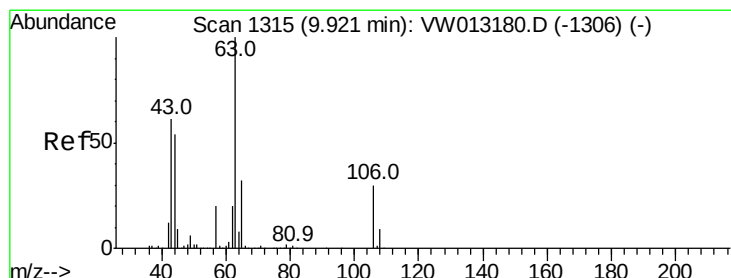
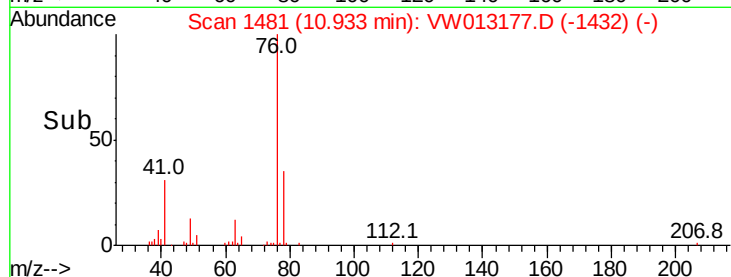
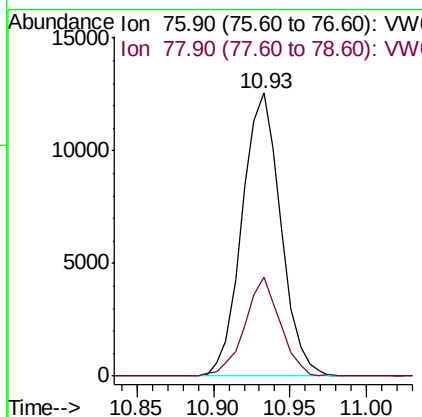
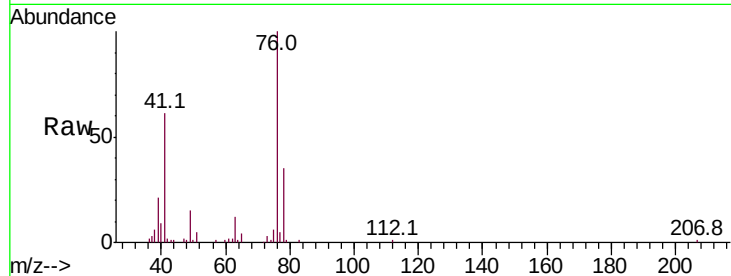
VSTDIC005

Tot Ion: 76 Resp: 22084

Ion Ratio Lower Upper

76 100

78 32.1 25.5 38.3



#58

2-Chloroethyl Vinyl ether

Concen: 22.966 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VW013177.D

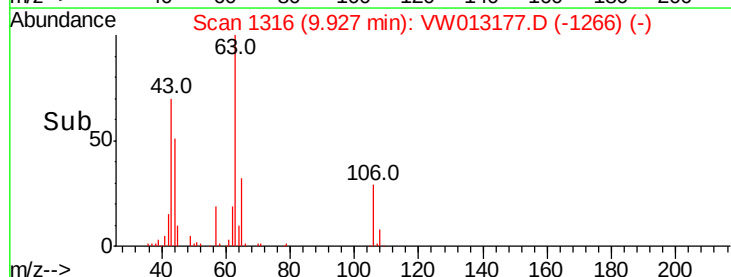
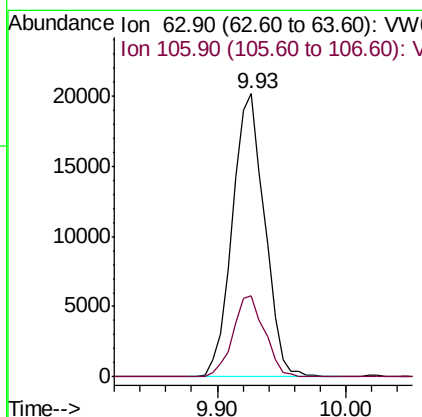
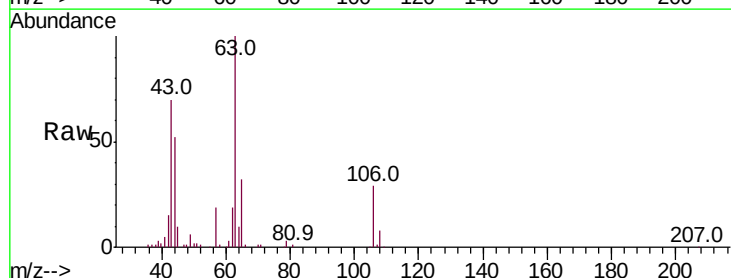
Acq: 20 Sep 2019 12:43

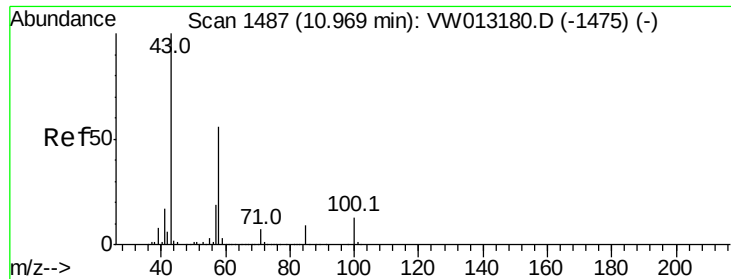
Tgt Ion: 63 Resp: 35033

Ion Ratio Lower Upper

63 100

106 28.3 23.4 35.0





#59

2-Hexanone

Concen: 21.896 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

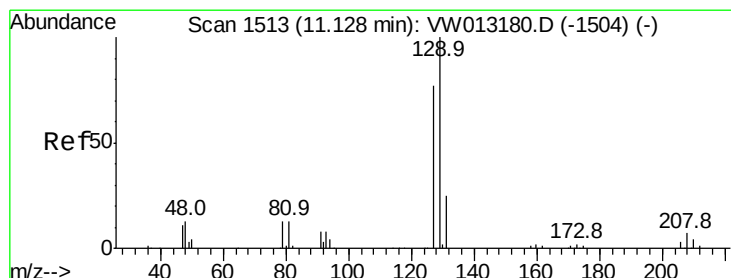
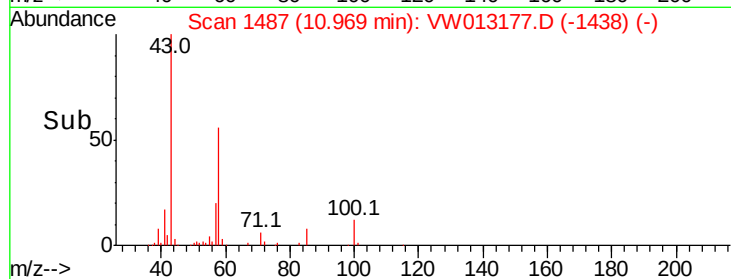
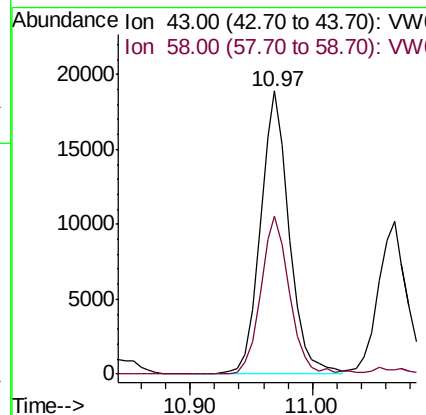
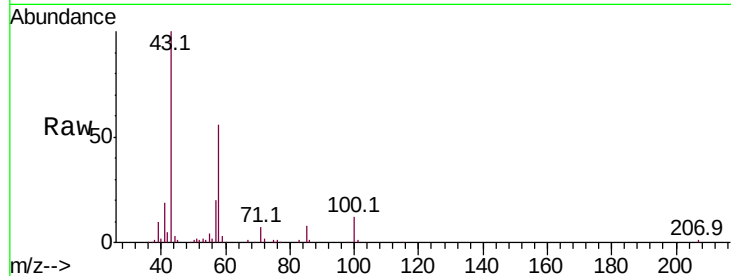
VSTDIC005

Tot Ion: 43 Resp: 30816

Ion Ratio Lower Upper

43 100

58 56.3 28.1 84.2



#60

Dibromochloromethane

Concen: 5.197 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW013177.D

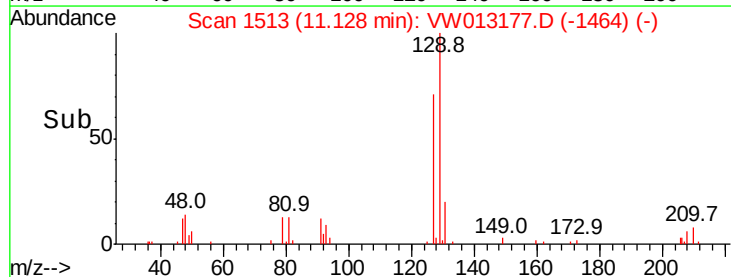
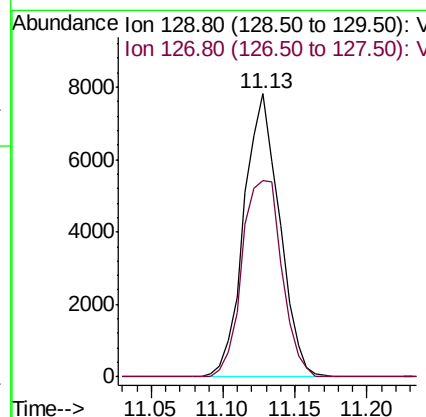
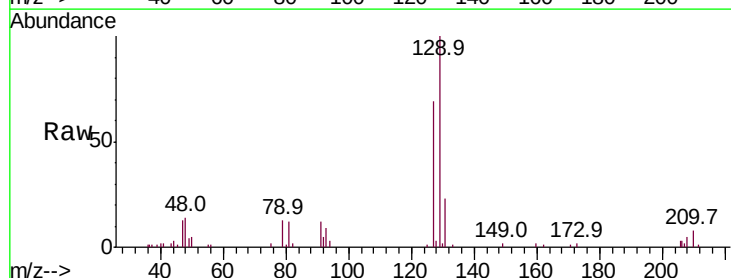
Acq: 20 Sep 2019 12:43

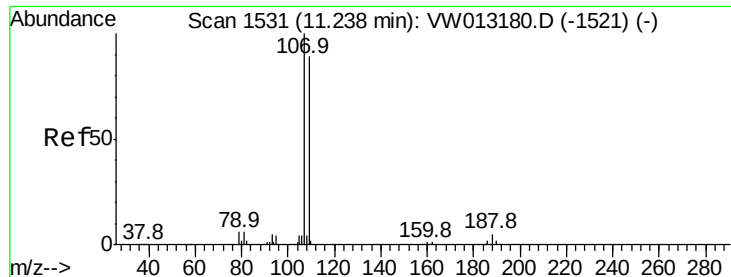
Tgt Ion: 129 Resp: 13377

Ion Ratio Lower Upper

129 100

127 77.4 38.8 116.4





#61

1,2-Dibromoethane

Concen: 5.978 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

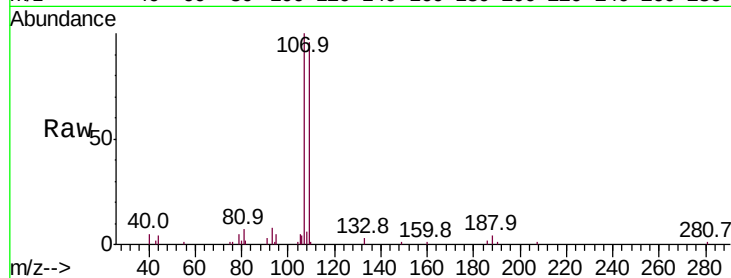
VSTDIC005

Tot Ion:107 Resp: 11789

Ion Ratio Lower Upper

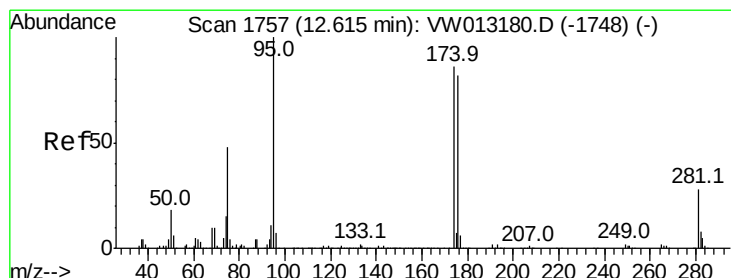
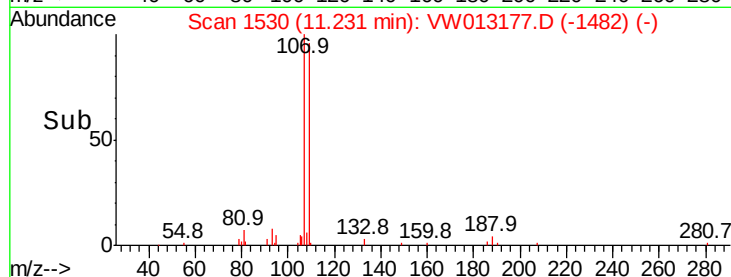
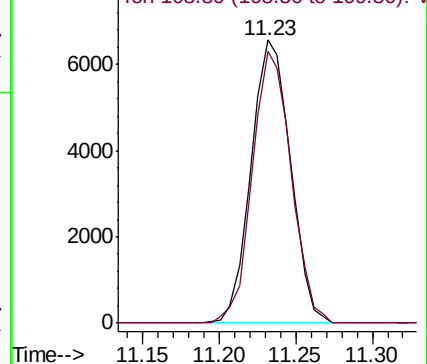
107 100

109 94.6 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 5.791 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

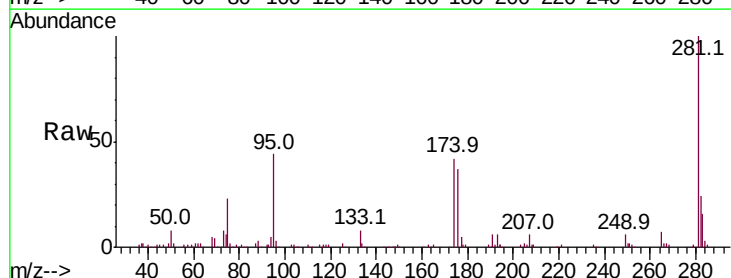
Tgt Ion: 95 Resp: 21761

Ion Ratio Lower Upper

95 100

174 92.4 0.0 178.4

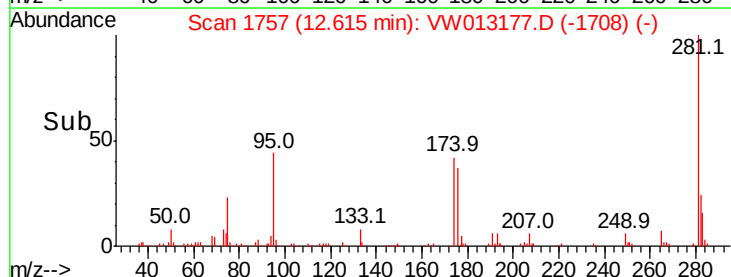
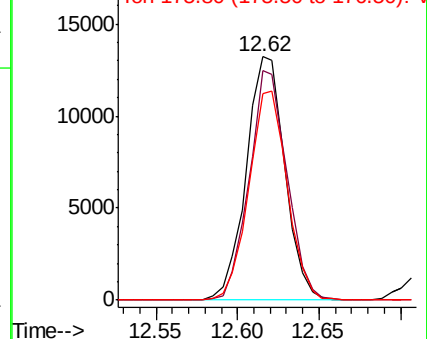
176 85.4 0.0 172.2

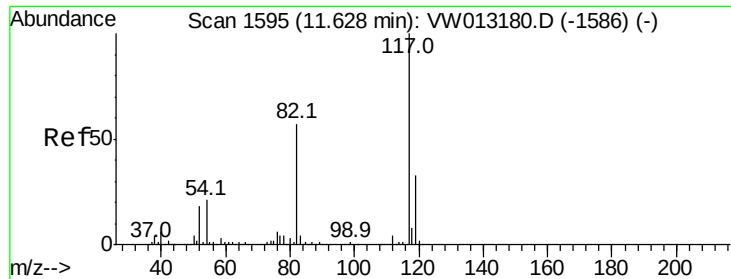


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

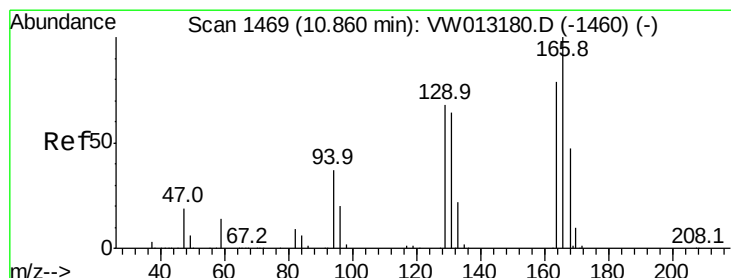
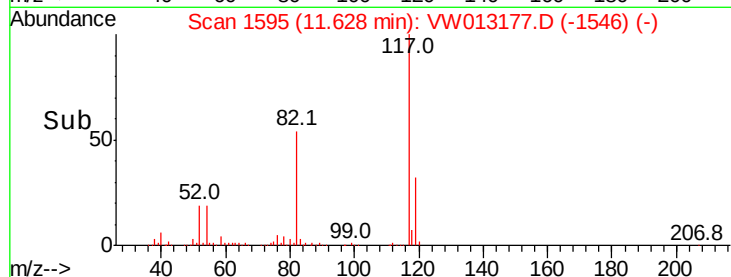
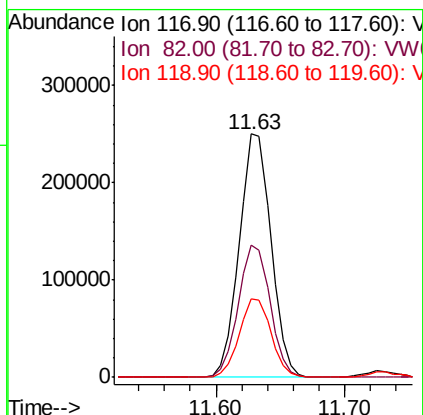
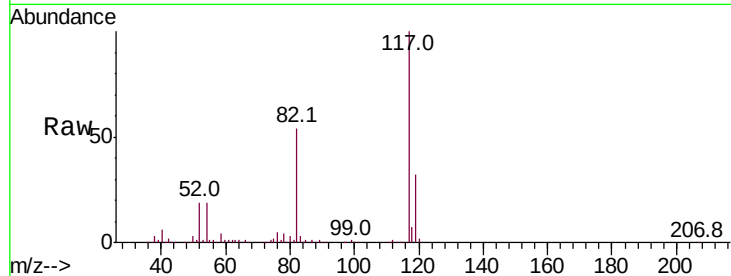




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013177.D
Acq: 20 Sep 2019 12:43

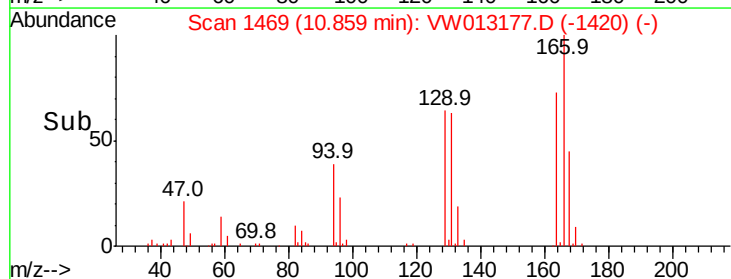
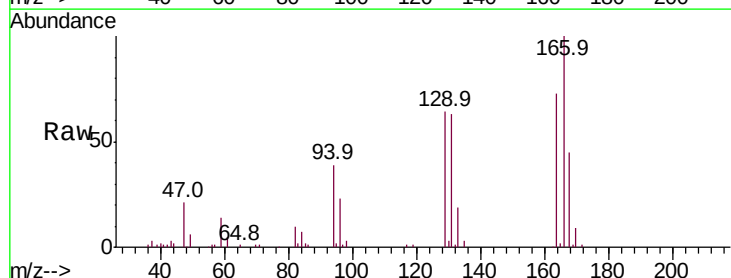
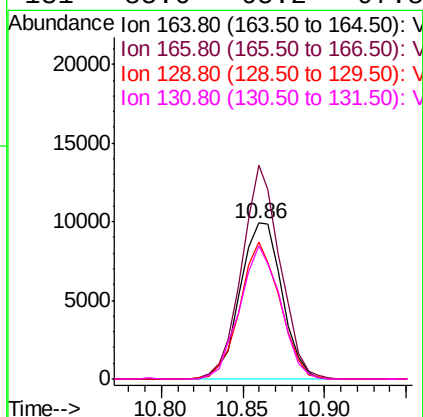
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

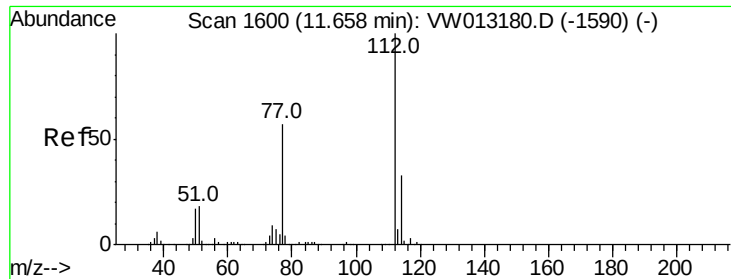
Tot Ion:117 Resp: 427372
Ion Ratio Lower Upper
117 100
82 54.5 45.9 68.9
119 32.5 26.2 39.2



#64
Tetrachloroethene
Concen: 6.664 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013177.D
Acq: 20 Sep 2019 12:43

Tgt Ion:164 Resp: 17698
Ion Ratio Lower Upper
164 100
166 136.8 101.2 151.8
129 87.9 68.8 103.2
131 85.6 65.2 97.8

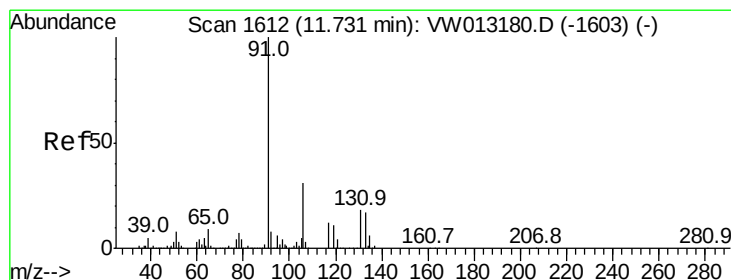
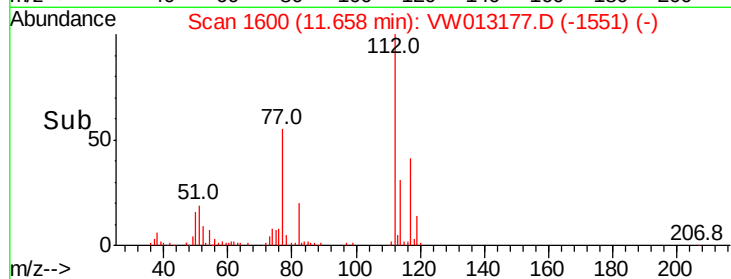
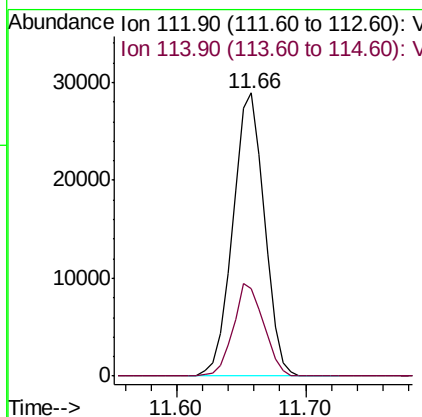
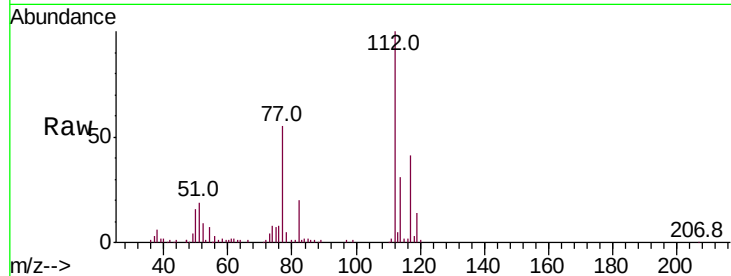




#65
Chlorobenzene
Concen: 6.283 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013177.D
Acq: 20 Sep 2019 12:43

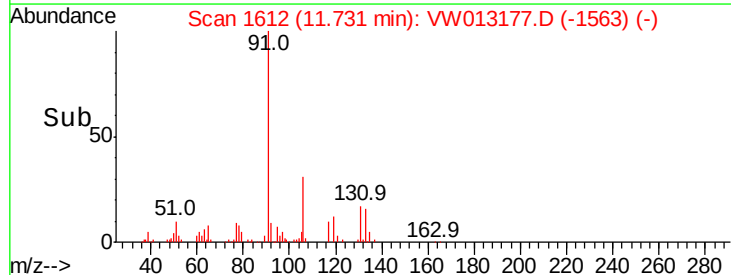
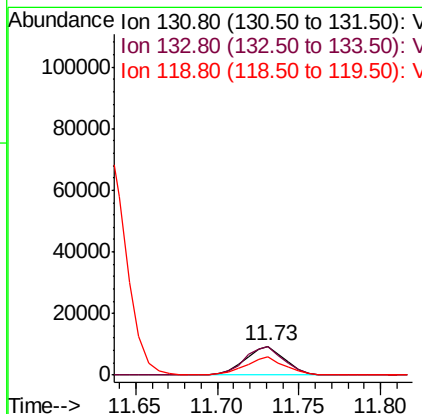
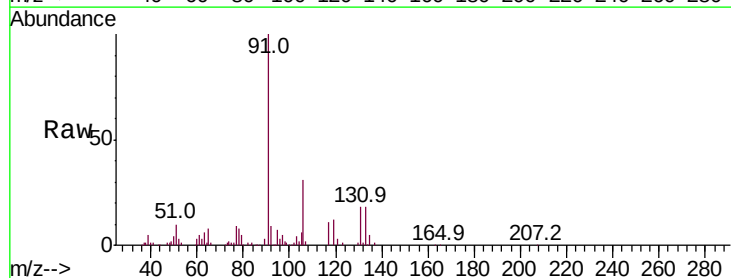
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

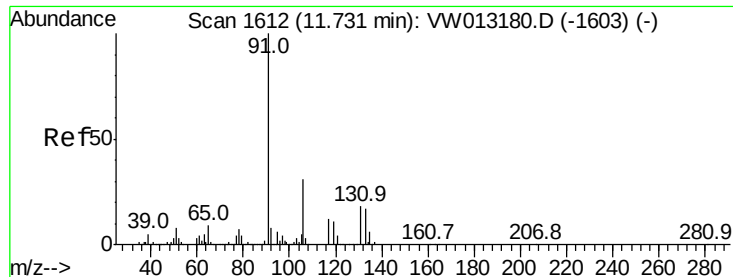
Tot Ion:112 Resp: 49060
Ion Ratio Lower Upper
112 100
114 31.0 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 5.359 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013177.D
Acq: 20 Sep 2019 12:43

Tgt Ion:131 Resp: 15710
Ion Ratio Lower Upper
131 100
133 98.5 47.5 142.6
119 62.4 32.5 97.5





#67

Ethyl Benzene

Concen: 5.893 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

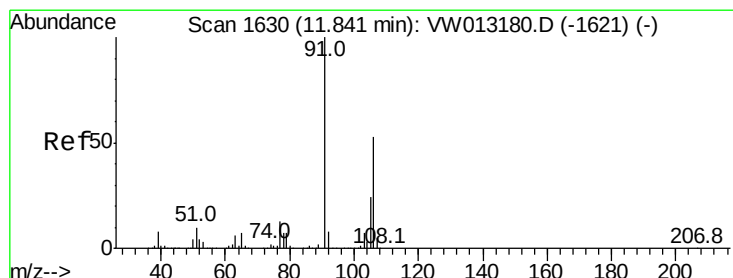
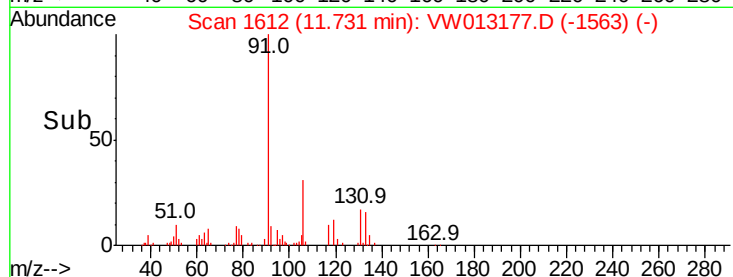
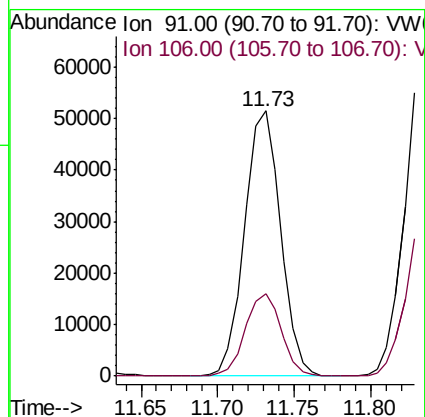
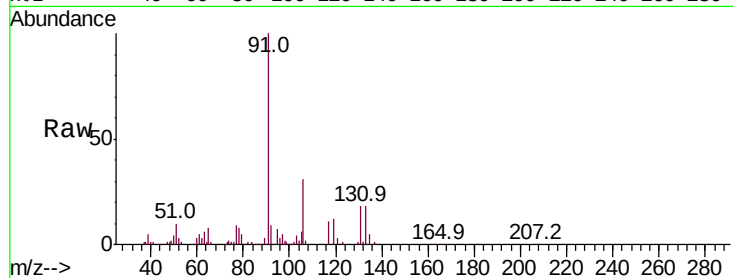
VSTDIC005

Tot Ion: 91 Resp: 84656

Ion Ratio Lower Upper

91 100

106 31.1 24.9 37.3



#68

m/p-Xylenes

Concen: 12.126 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW013177.D

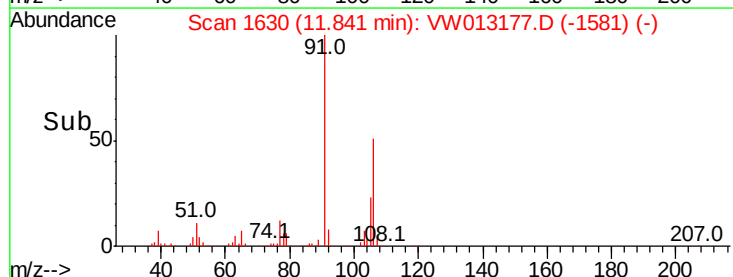
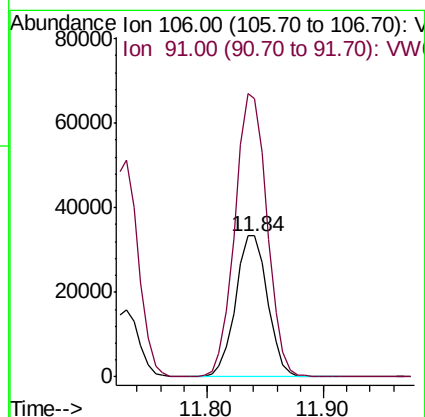
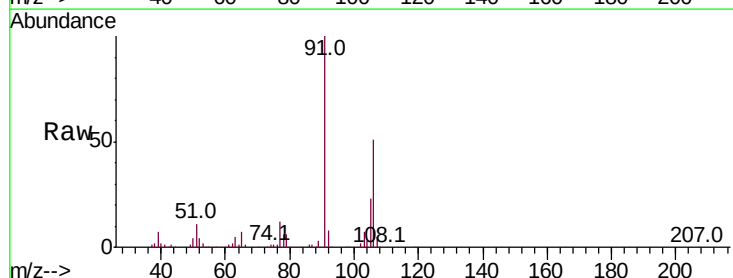
Acq: 20 Sep 2019 12:43

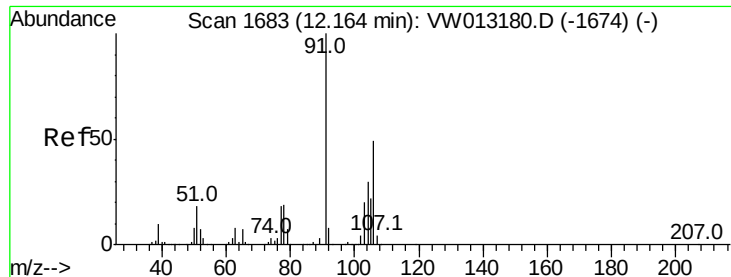
Tgt Ion:106 Resp: 64190

Ion Ratio Lower Upper

106 100

91 201.7 157.9 236.9

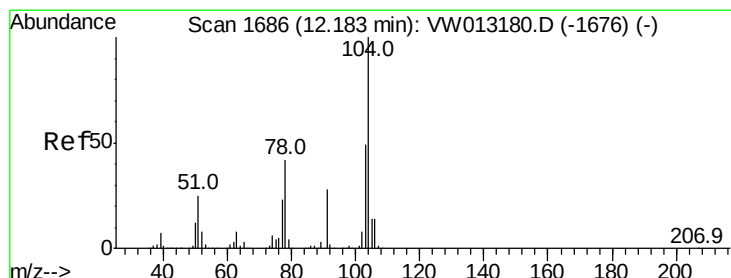
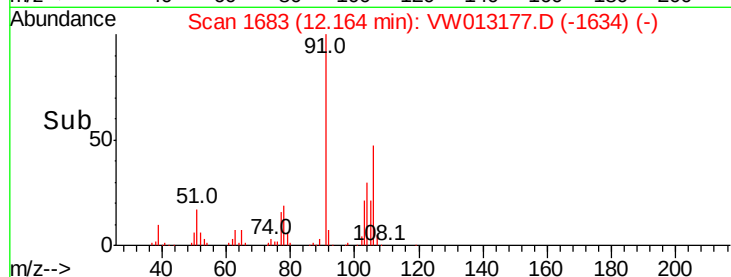
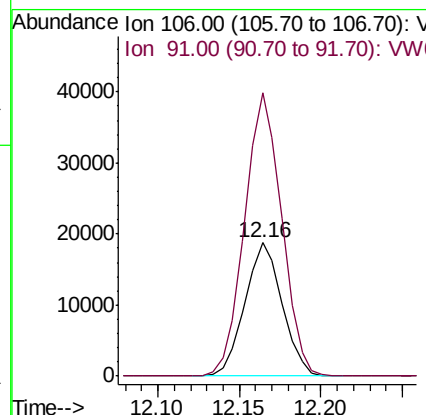
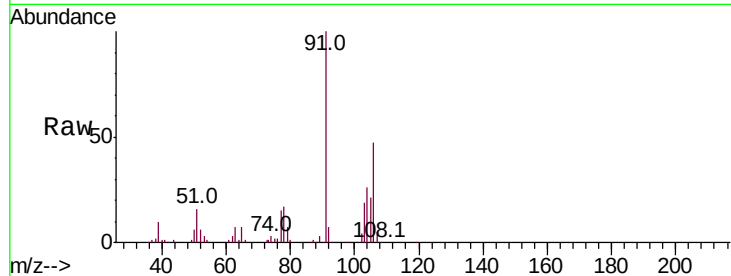




#69
o-Xylene
Concen: 6.051 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013177.D
Acq: 20 Sep 2019 12:43

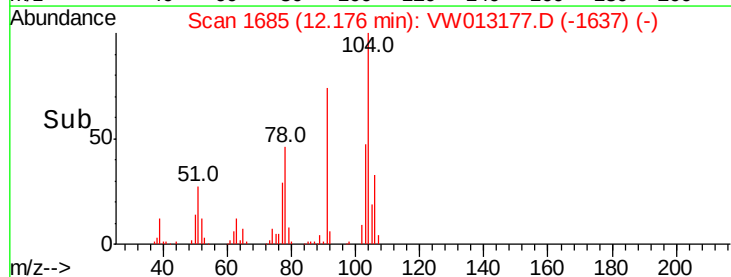
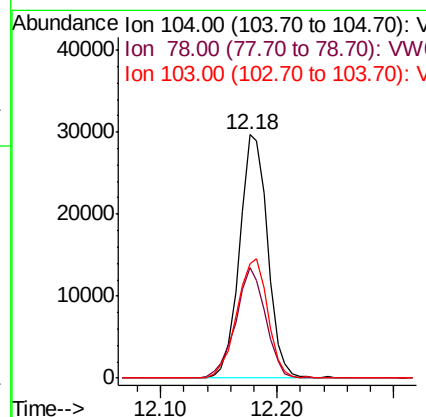
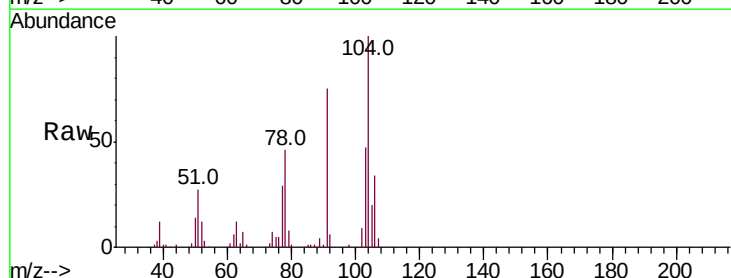
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

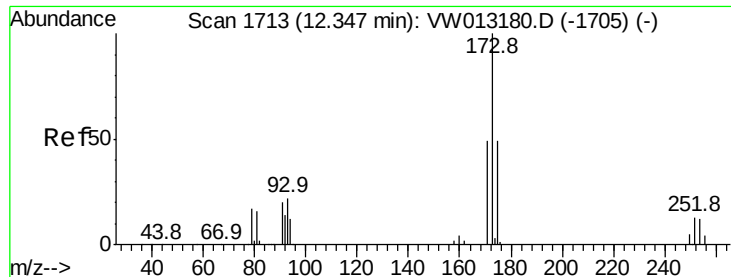
Tot Ion:106 Resp: 29947
Ion Ratio Lower Upper
106 100
91 211.1 106.5 319.5



#70
Styrene
Concen: 5.710 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW013177.D
Acq: 20 Sep 2019 12:43

Tgt Ion:104 Resp: 50080
Ion Ratio Lower Upper
104 100
78 48.1 38.4 57.6
103 53.8 43.3 64.9





#71

Bromoform

Concen: 5.051 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

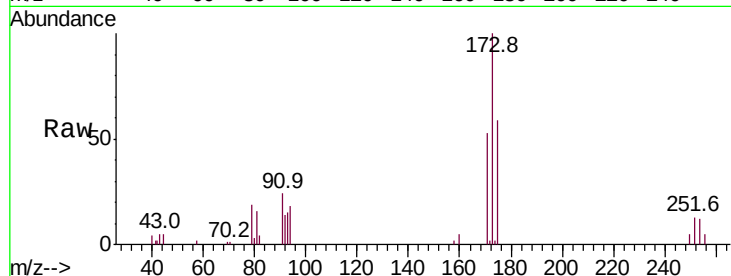
Tot Ion:173 Resp: 7737

Ion Ratio Lower Upper

173 100

175 51.9 24.3 73.0

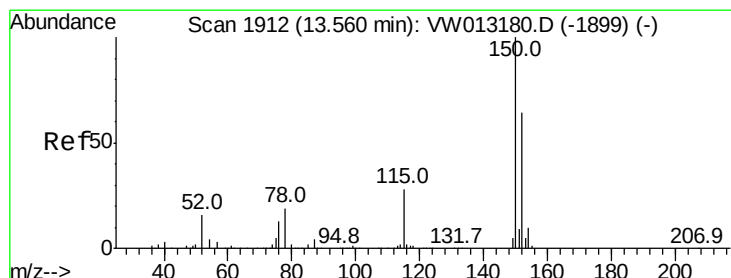
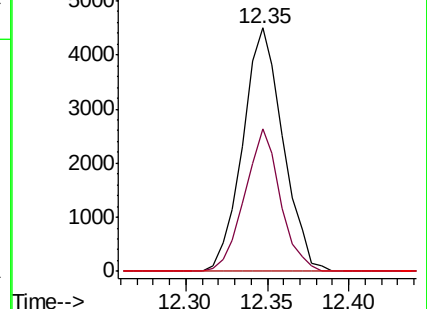
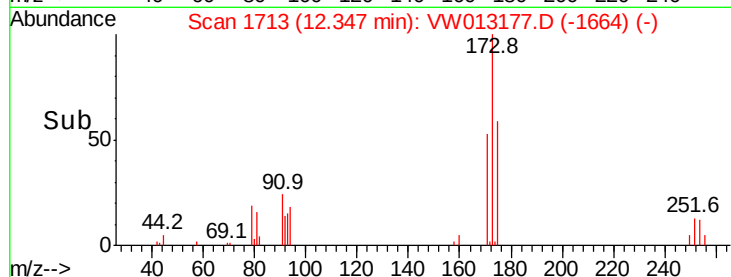
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

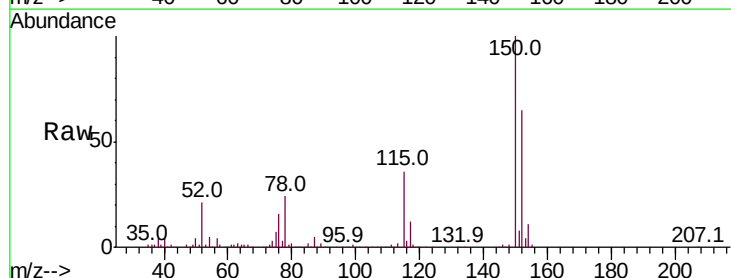
Tgt Ion:152 Resp: 216312

Ion Ratio Lower Upper

152 100

115 55.2 27.3 81.9

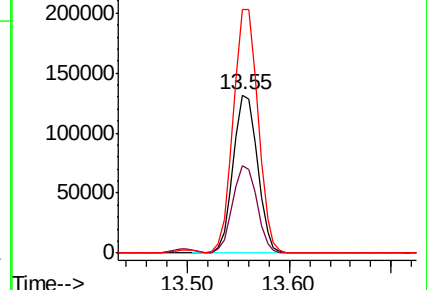
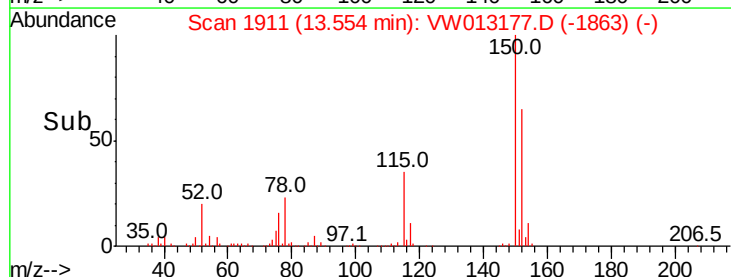
150 156.6 0.0 349.0

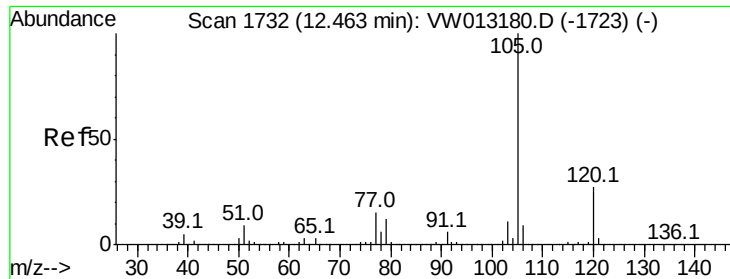


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.620 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

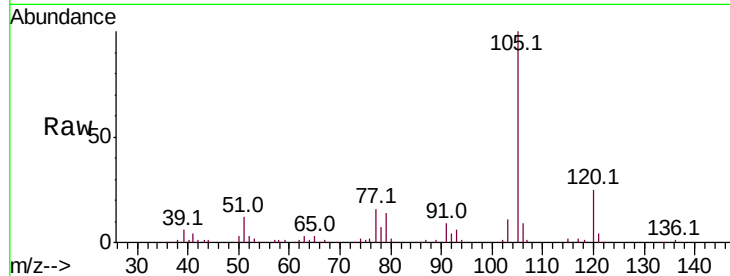
VSTDIC005

Tot Ion:105 Resp: 81858

Ion Ratio Lower Upper

105 100

120 26.2 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

60000

50000

40000

30000

20000

10000

0

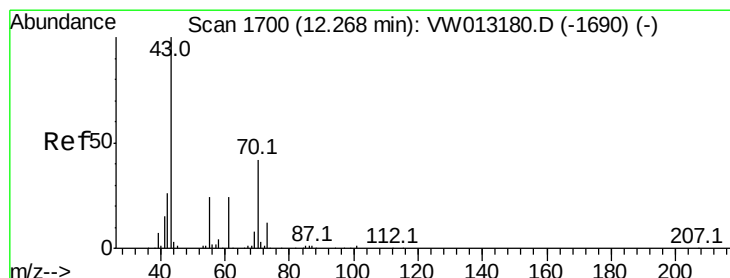
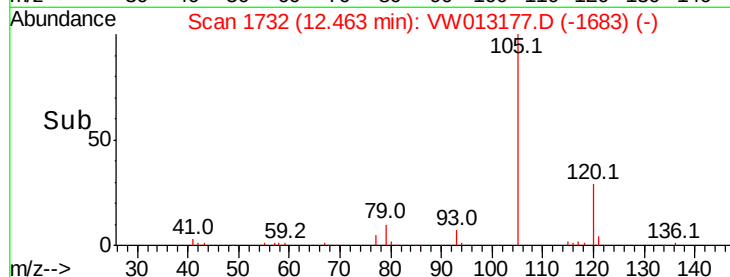
12.46

12.45

12.50

12.55

Time-->



#74

N-ethyl acetate

Concen: 4.572 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.01 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Tgt Ion: 43 Resp: 16697

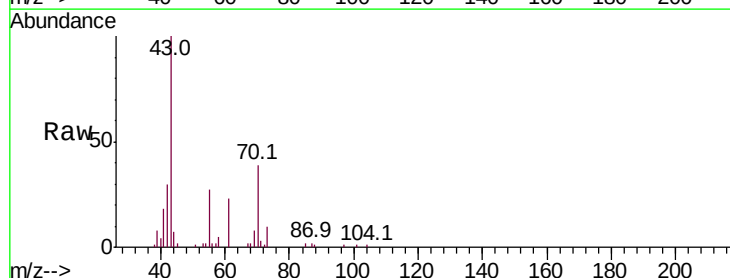
Ion Ratio Lower Upper

43 100

70 41.7 35.1 52.7

55 28.2 19.9 29.9

61 22.8 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

15000

10000

5000

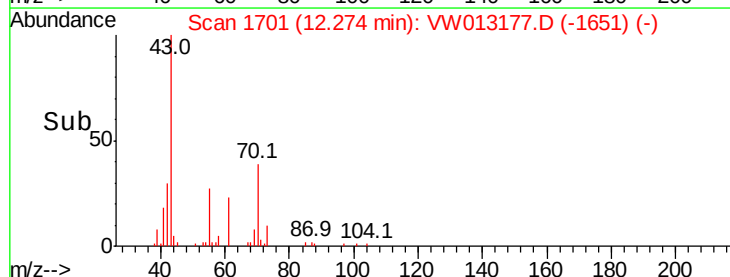
0

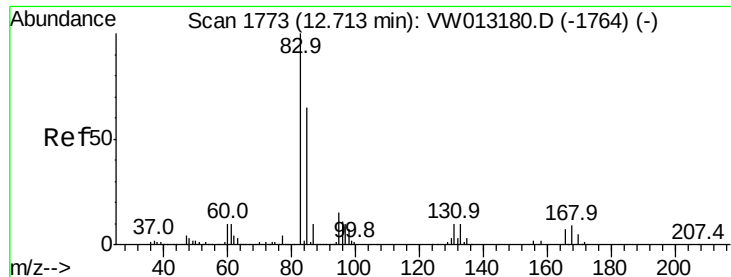
12.27

12.20

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 5.616 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

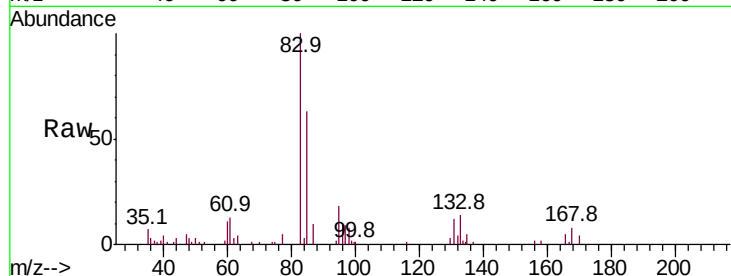
Tot Ion: 83 Resp: 14141

Ion Ratio Lower Upper

83 100

131 11.9 5.4 16.2

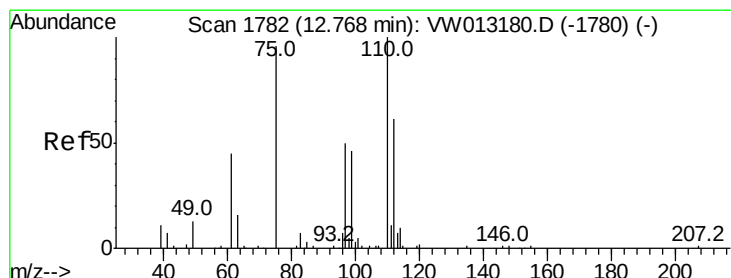
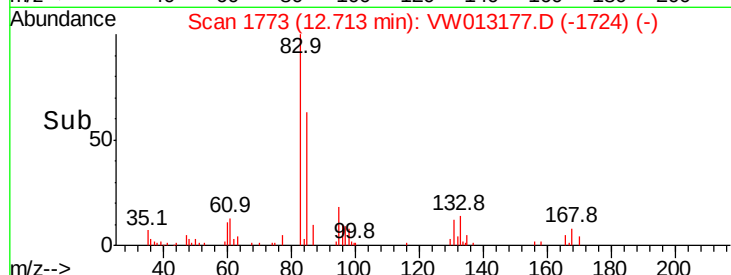
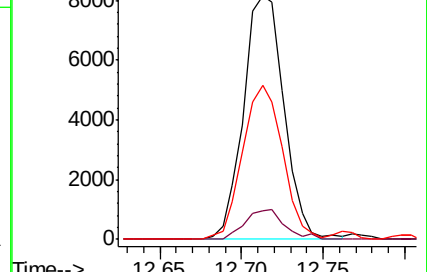
85 62.2 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 8.885 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013177.D

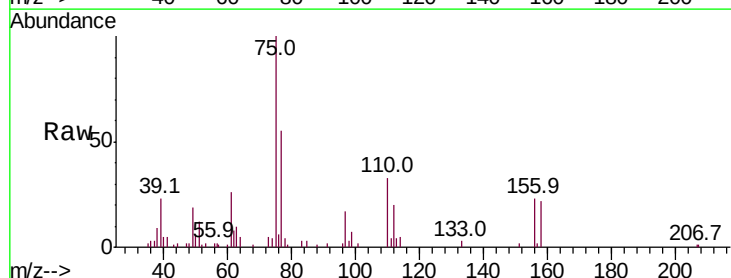
Acq: 20 Sep 2019 12:43

Tgt Ion: 75 Resp: 16767

Ion Ratio Lower Upper

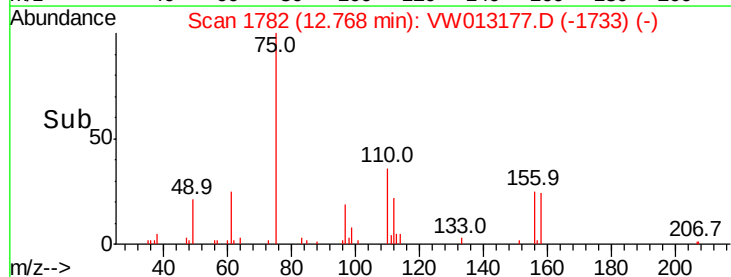
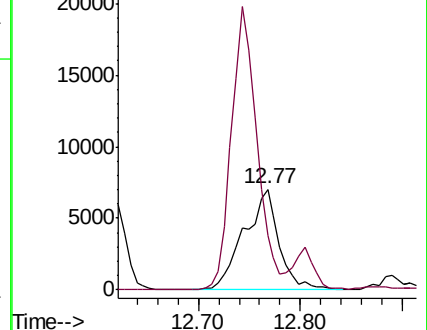
75 100

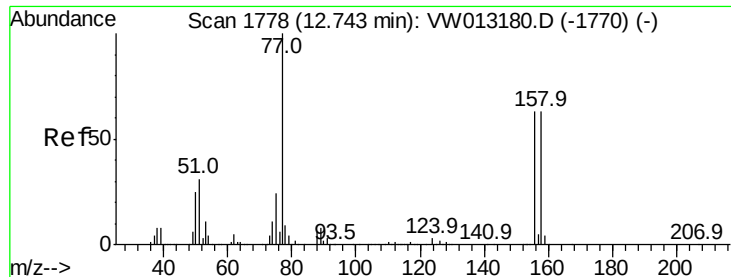
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 5.866 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

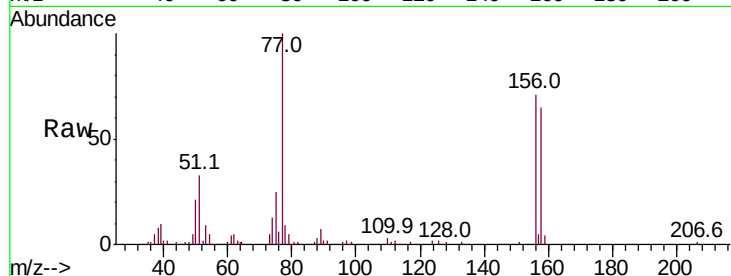
Tot Ion:156 Resp: 19907

Ion Ratio Lower Upper

156 100

77 172.0 85.7 257.1

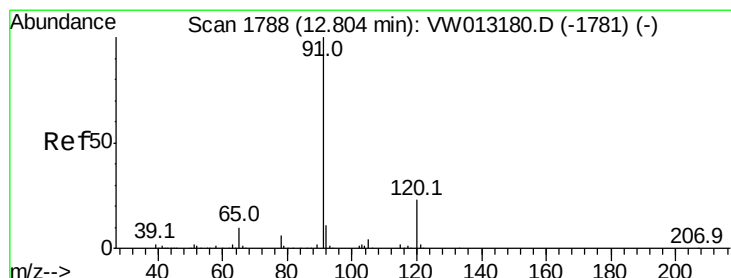
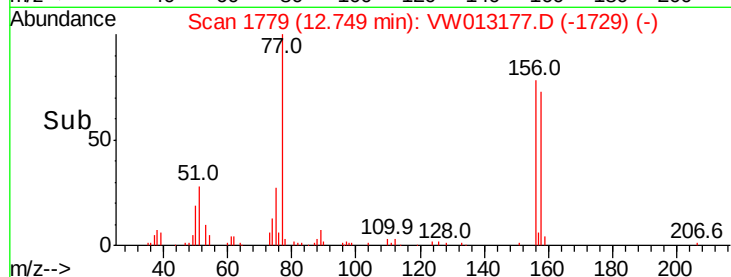
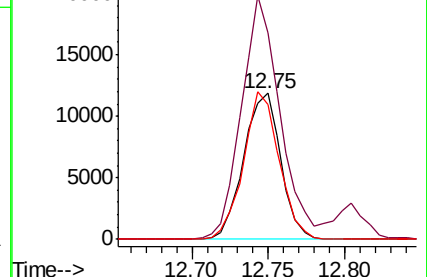
158 97.4 48.1 144.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.651 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013177.D

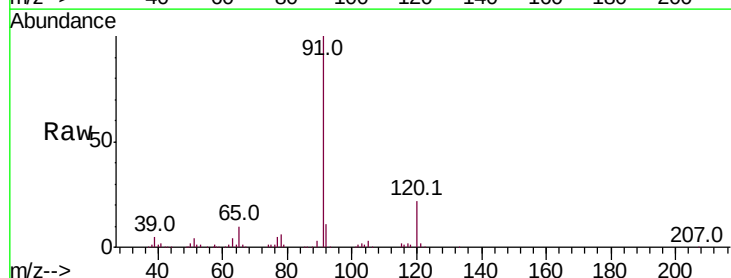
Acq: 20 Sep 2019 12:43

Tgt Ion: 91 Resp: 96757

Ion Ratio Lower Upper

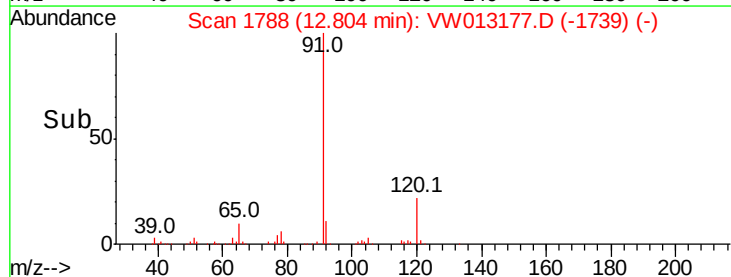
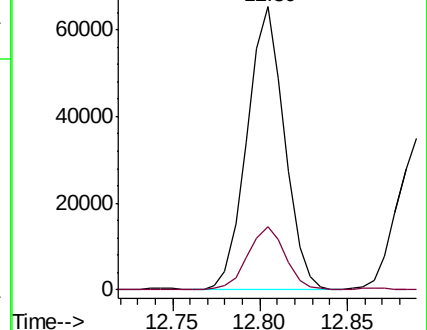
91 100

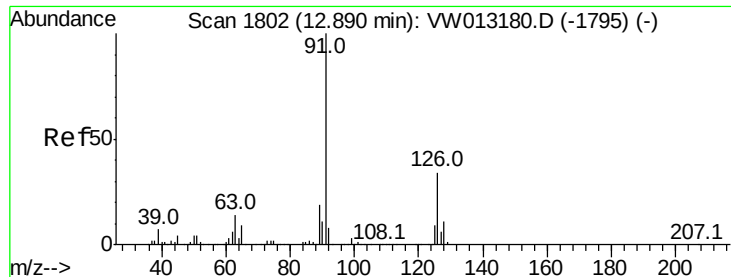
120 22.4 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

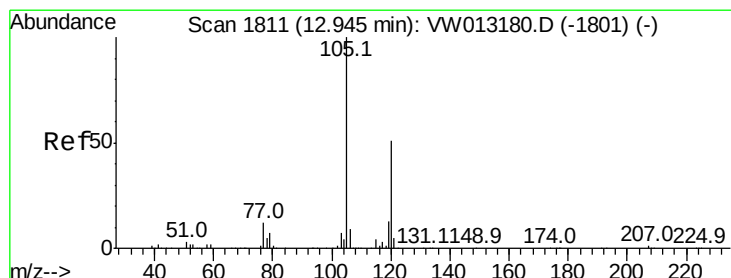
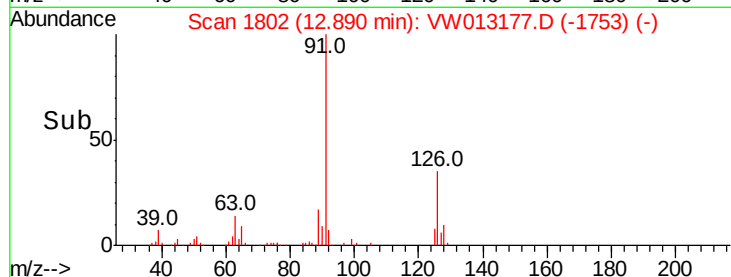
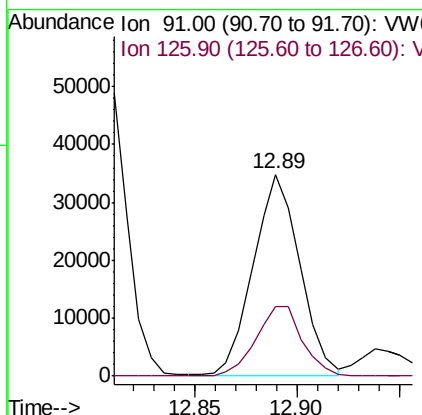
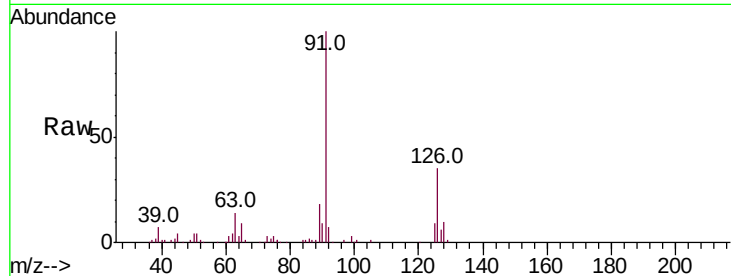




#79
 2-Chlorotoluene
 Concen: 5.647 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

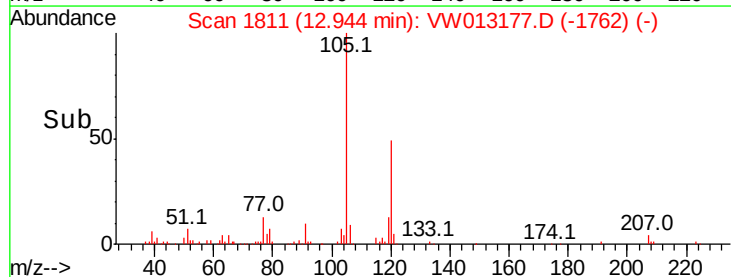
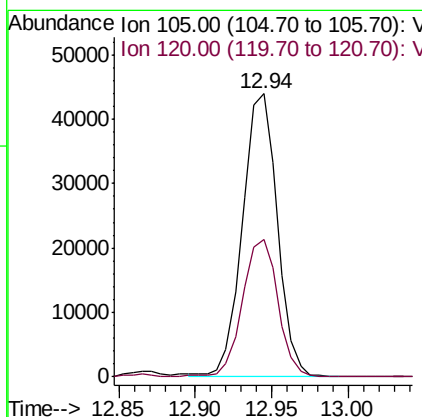
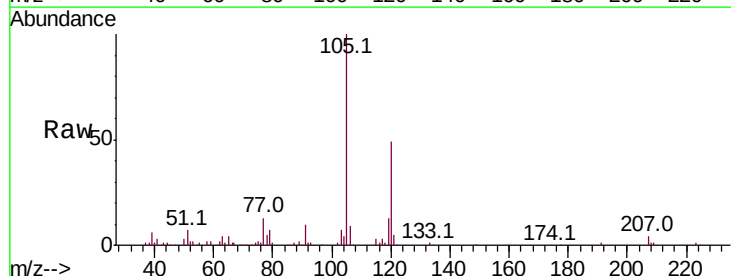
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

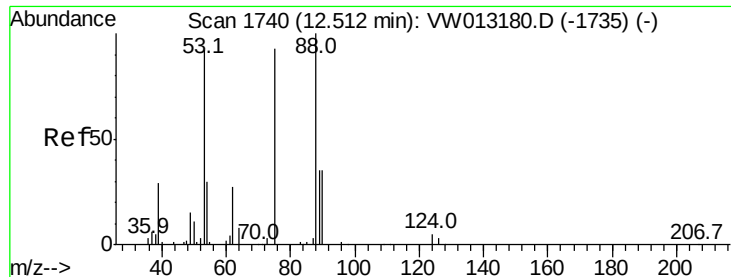
Tot Ion: 91 Resp: 55397
 Ion Ratio Lower Upper
 91 100
 126 34.6 17.2 51.5



#80
 1,3,5-Trimethylbenzene
 Concen: 5.639 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion:105 Resp: 69583
 Ion Ratio Lower Upper
 105 100
 120 49.5 24.9 74.8

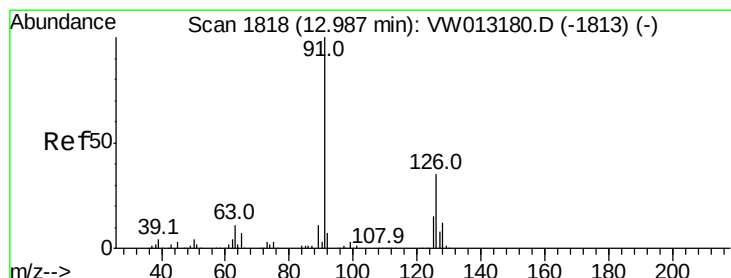
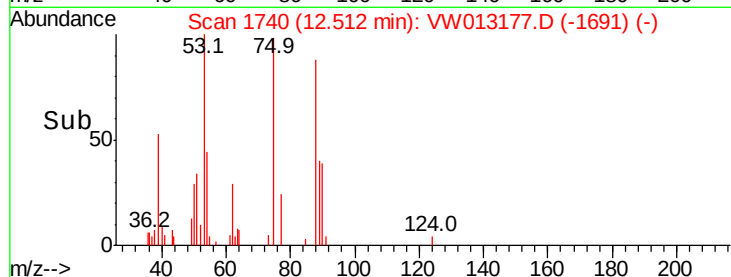
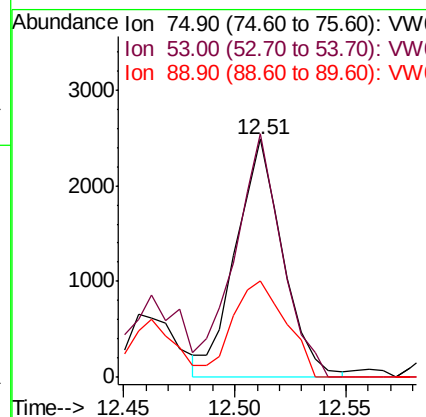
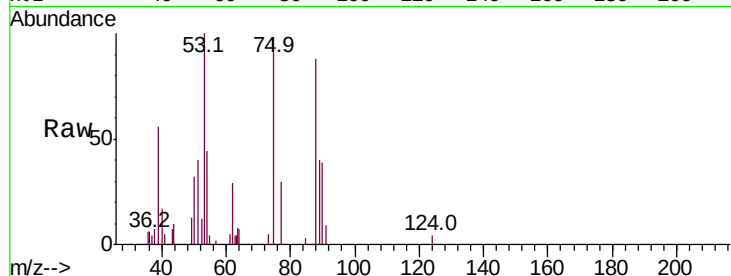




#81
trans-1,4-Dichloro-2-butene
Concen: 4.386 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013177.D
Acq: 20 Sep 2019 12:43

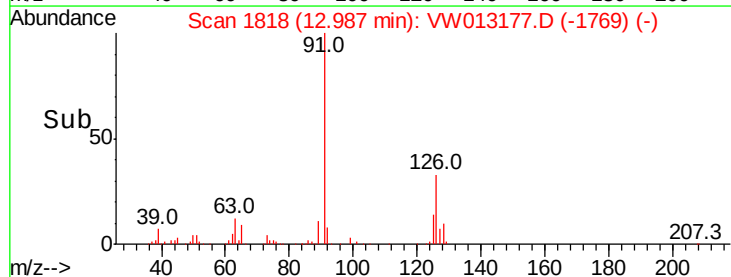
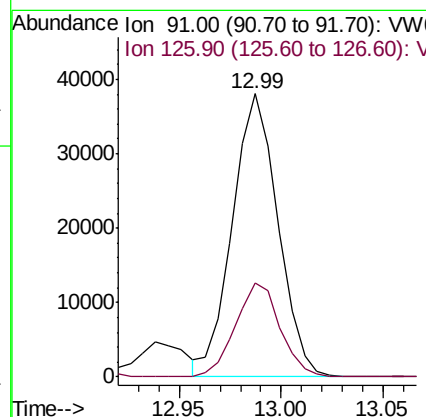
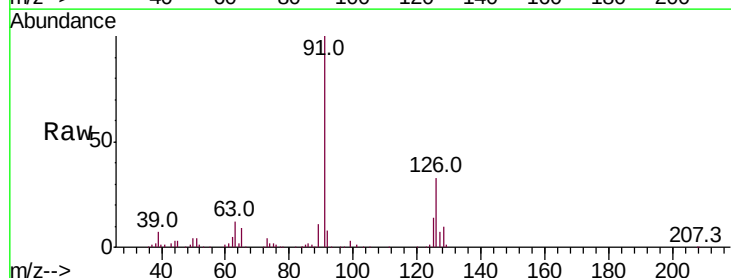
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

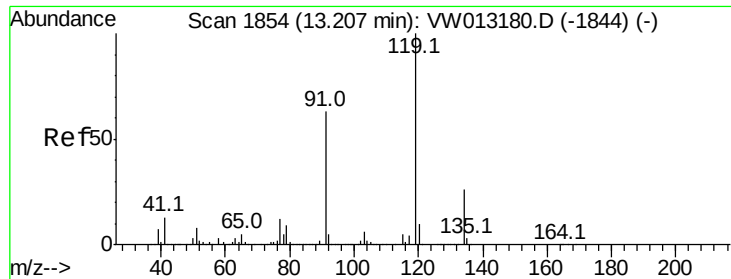
Tot Ion: 75 Resp: 3658
Ion Ratio Lower Upper
75 100
53 102.8 76.6 114.8
89 44.9 33.5 50.3



#82
4-Chlorotoluene
Concen: 5.713 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013177.D
Acq: 20 Sep 2019 12:43

Tgt Ion: 91 Resp: 58821
Ion Ratio Lower Upper
91 100
126 32.8 17.3 51.7

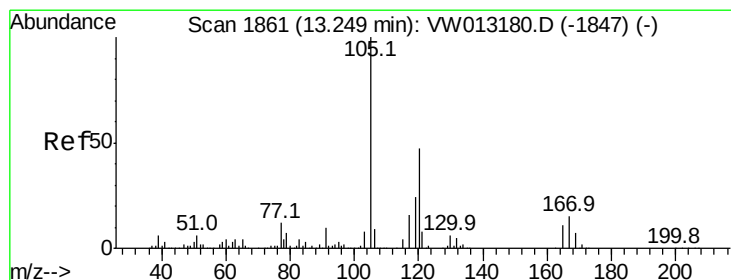
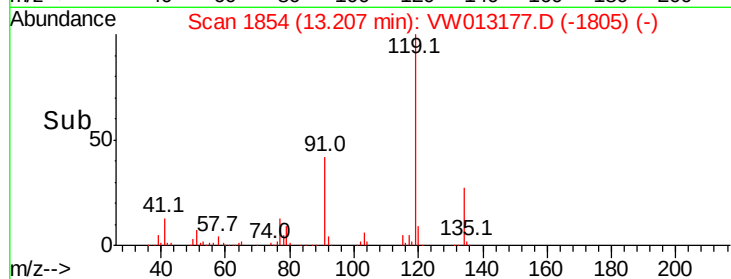
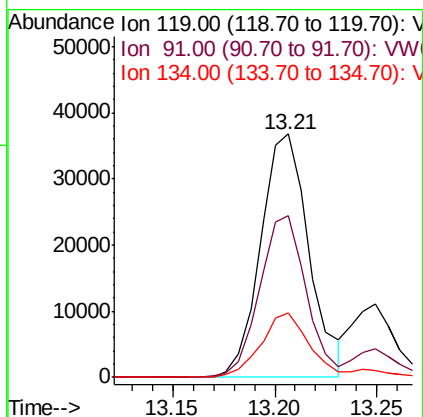
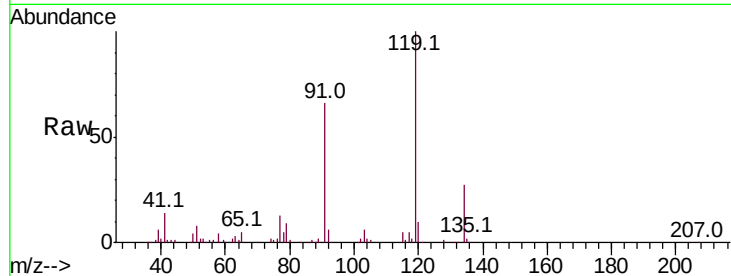




#83
 tert-Butylbenzene
 Concen: 5.532 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

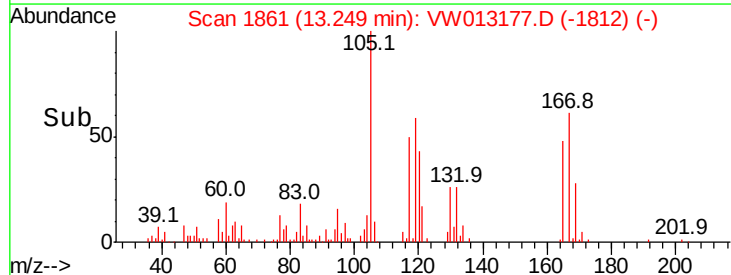
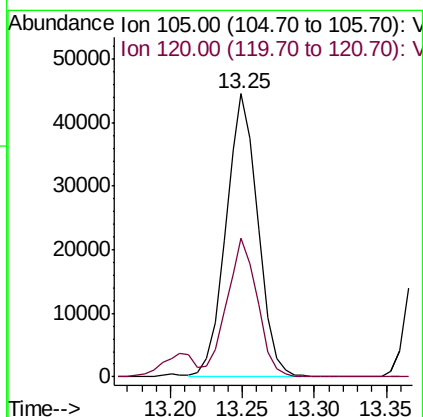
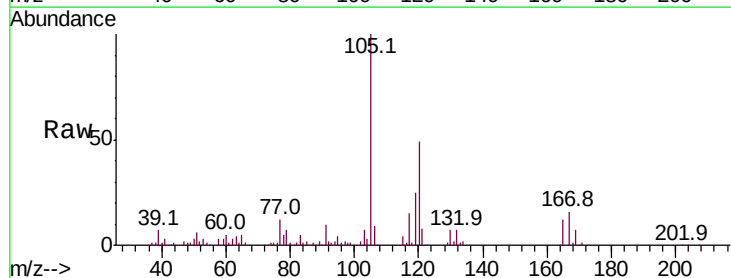
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

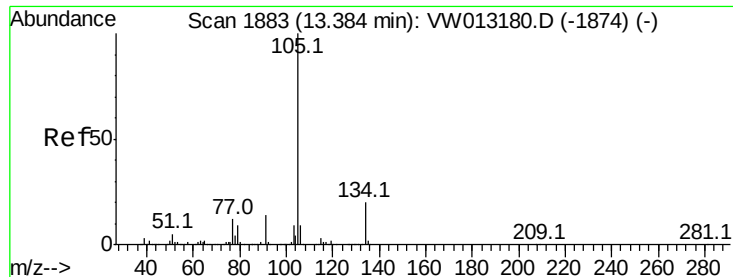
Tot Ion:119 Resp: 60769
 Ion Ratio Lower Upper
 119 100
 91 63.8 30.7 92.1
 134 26.6 12.6 37.6



#84
 1,2,4-Trimethylbenzene
 Concen: 5.665 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion:105 Resp: 69038
 Ion Ratio Lower Upper
 105 100
 120 47.5 23.4 70.3

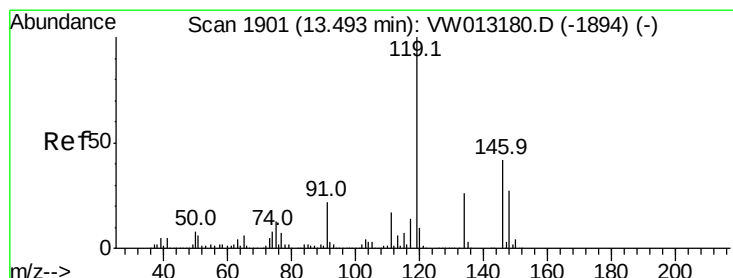
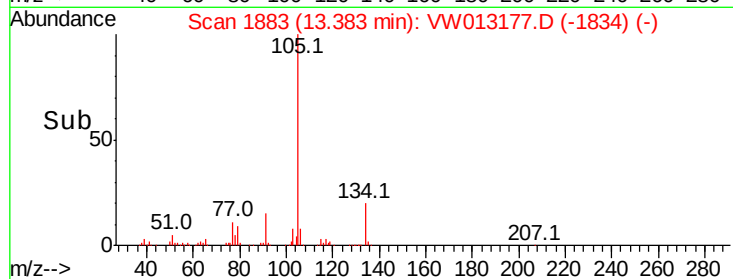
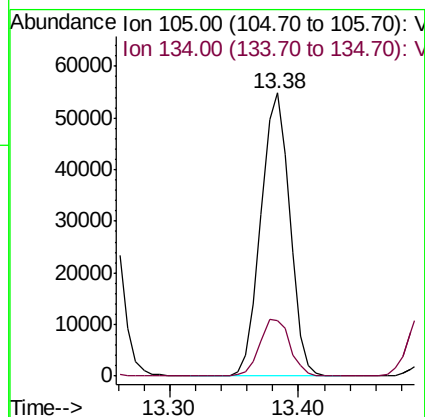
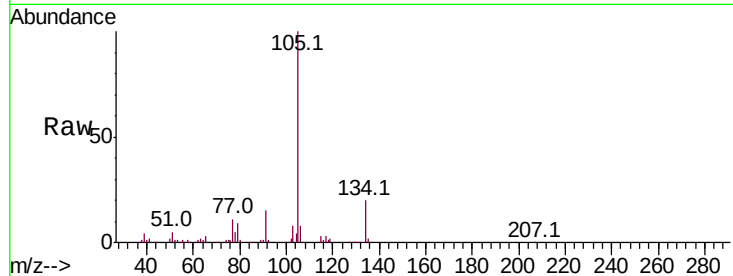




#85
 sec-Butylbenzene
 Concen: 5.675 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

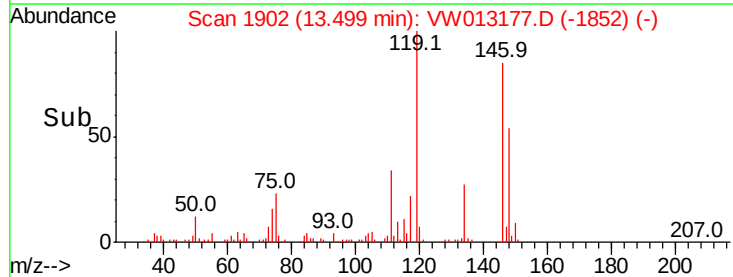
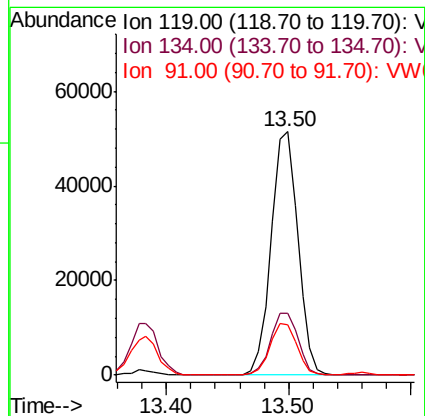
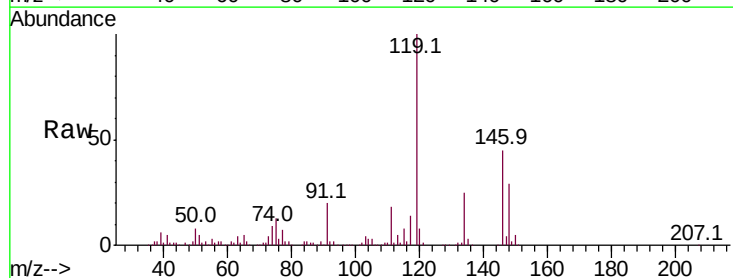
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

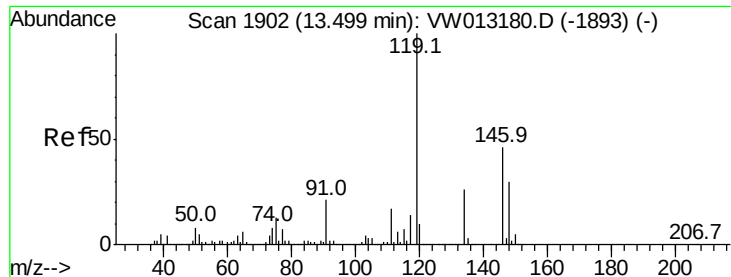
Tot Ion:105 Resp: 85205
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 5.685 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion:119 Resp: 78484
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.3 39.8
 91 21.7 10.8 32.4





#87

1,3-Dichlorobenzene

Concen: 5.866 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

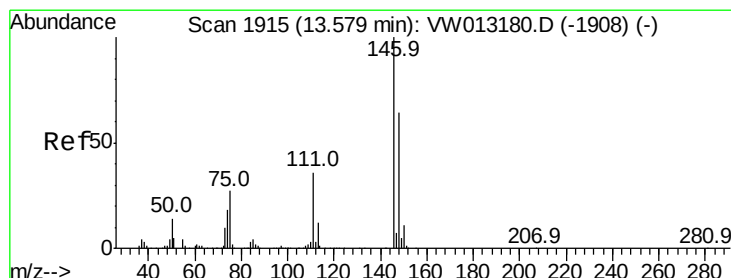
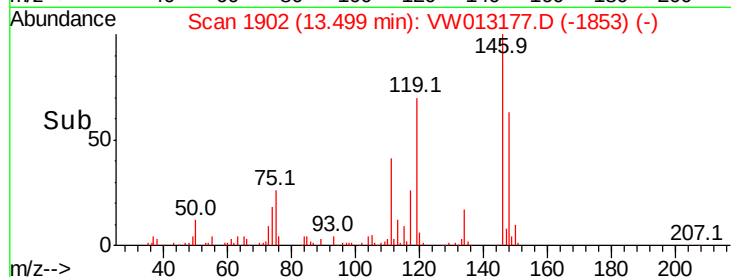
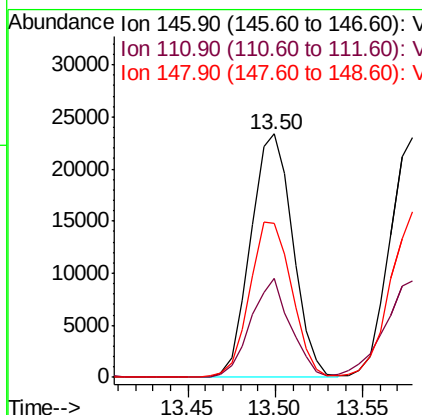
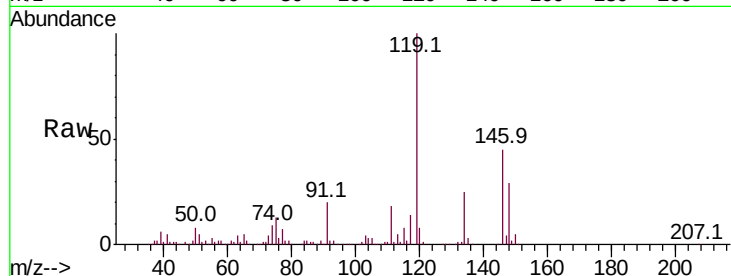
Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:146 Resp: 39086

Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.9	56.9
148	63.8	31.9	95.5



#88

1,4-Dichlorobenzene

Concen: 5.846 ug/l

RT: 13.58 min Scan# 1915

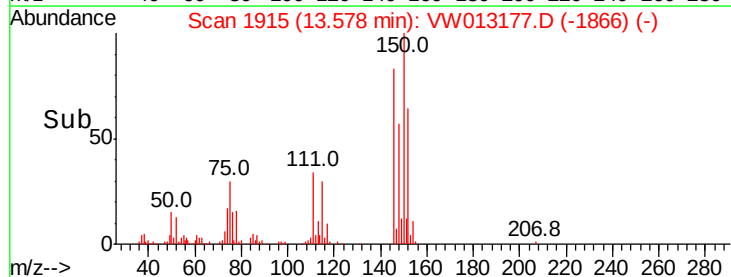
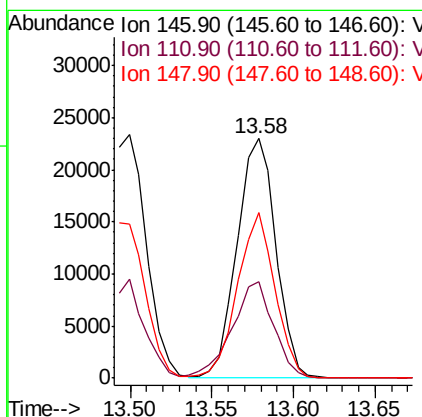
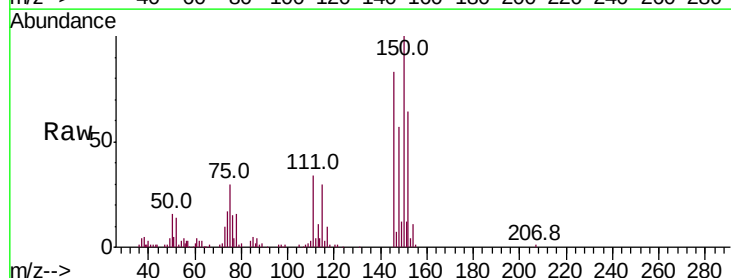
Delta R.T. -0.00 min

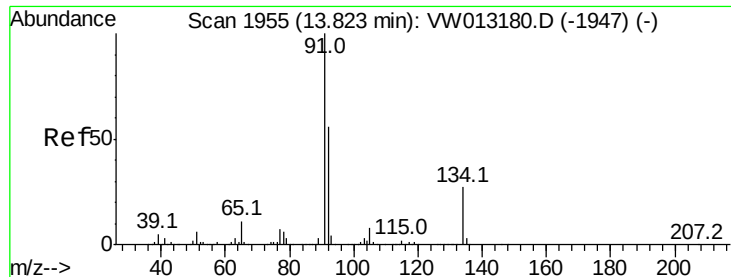
Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Tgt Ion:146 Resp: 38190

Ion	Ratio	Lower	Upper
146	100		
111	43.1	18.4	55.0
148	66.8	32.1	96.3

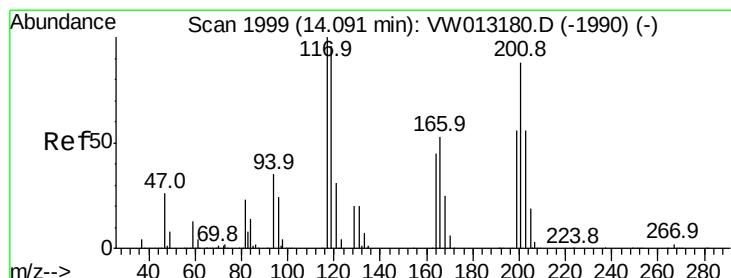
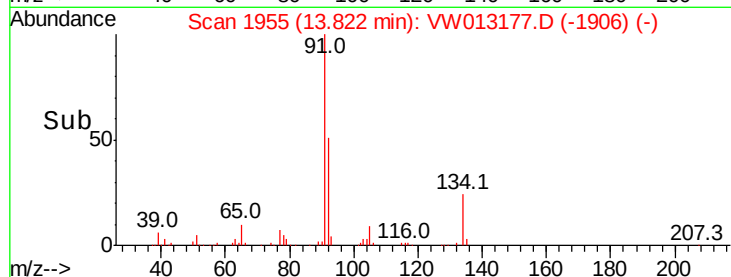
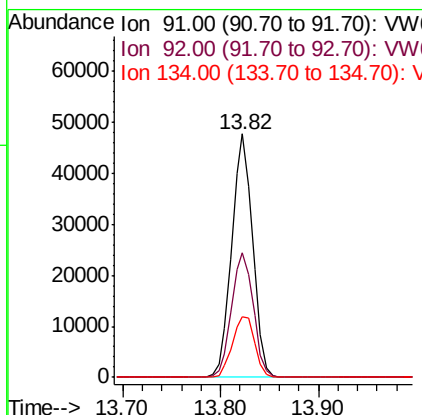
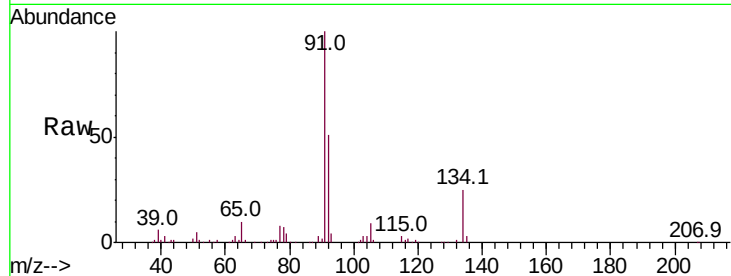




#89
n-Butylbenzene
Concen: 5.483 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013177.D
Acq: 20 Sep 2019 12:43

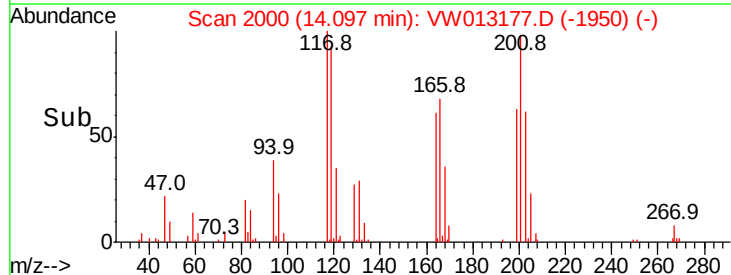
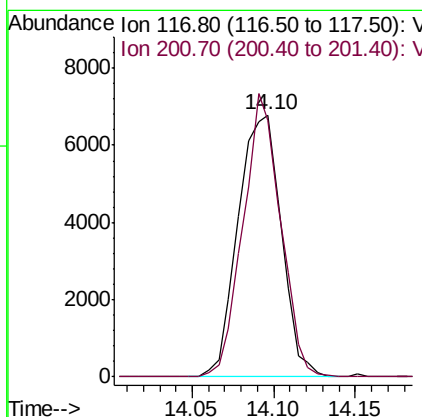
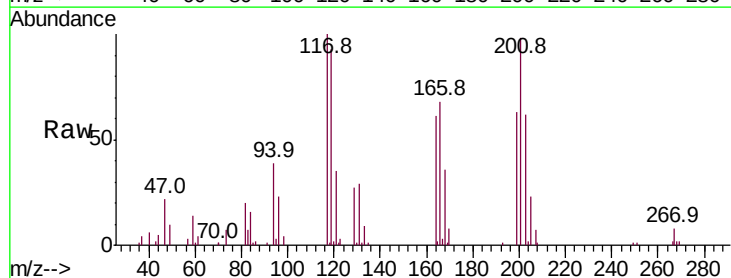
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

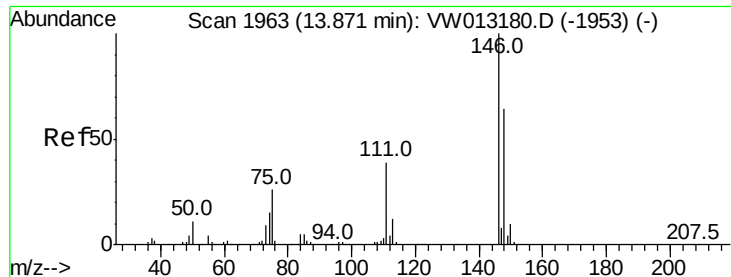
Tot Ion: 91 Resp: 71009
Ion Ratio Lower Upper
91 100
92 53.2 27.6 82.8
134 26.8 13.7 41.1



#90
Hexachloroethane
Concen: 5.111 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.01 min
Lab File: VW013177.D
Acq: 20 Sep 2019 12:43

Tgt Ion: 117 Resp: 12546
Ion Ratio Lower Upper
117 100
201 93.5 44.5 133.5





#91

1,2-Dichlorobenzene

Concen: 5.676 ug/l

RT: 13.86 min Scan# 1962

Delta R.T. -0.01 min

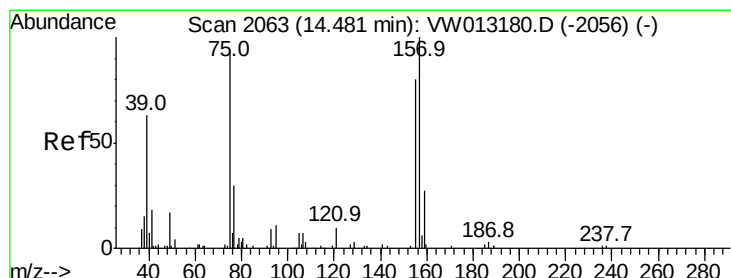
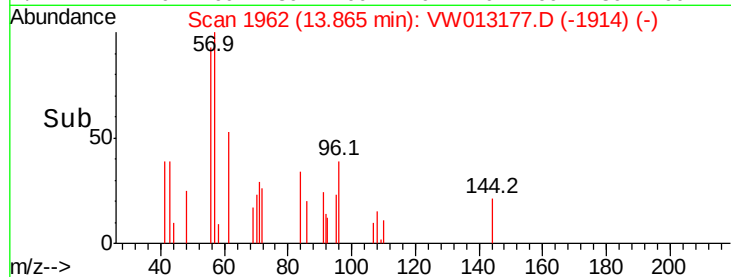
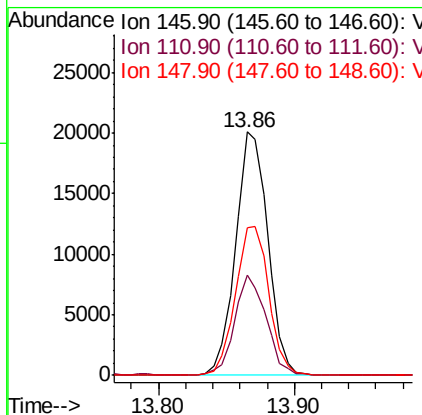
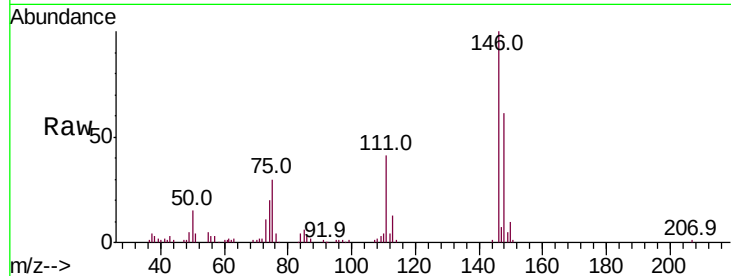
Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:146 Resp: 33176

Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.1	60.3
148	63.3	32.0	96.0



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.164 ug/l

RT: 14.49 min Scan# 2064

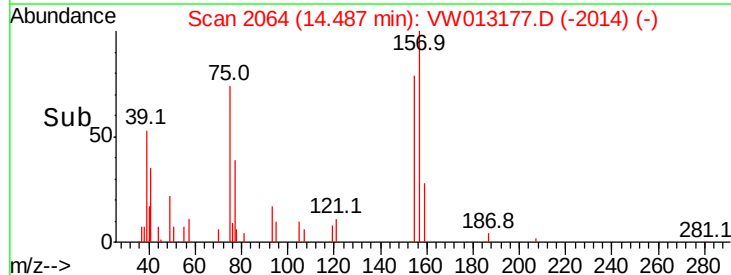
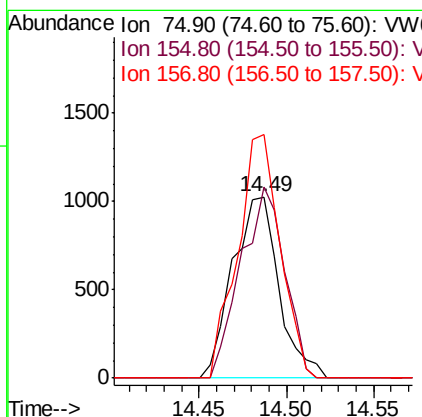
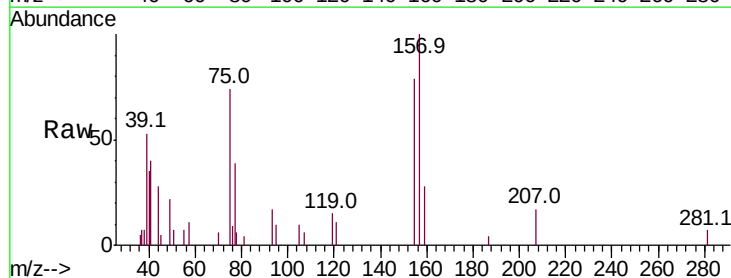
Delta R.T. 0.01 min

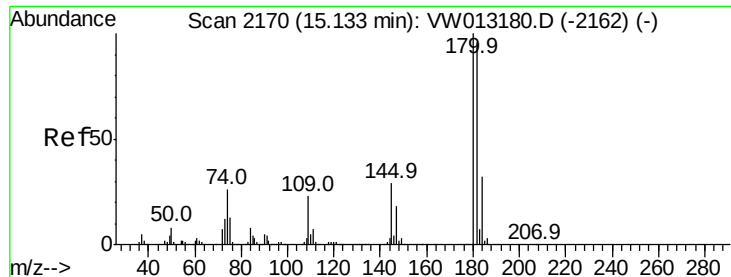
Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Tgt Ion: 75 Resp: 1886

Ion	Ratio	Lower	Upper
75	100		
155	99.8	46.1	138.3
157	123.4	60.4	181.2

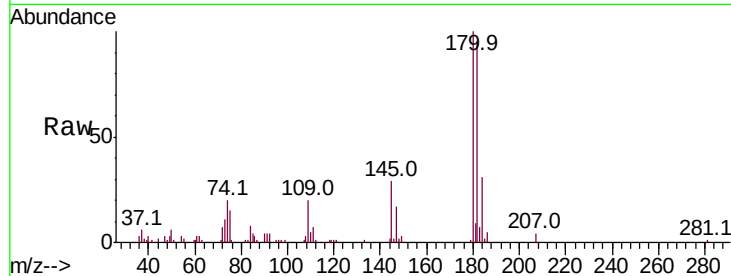




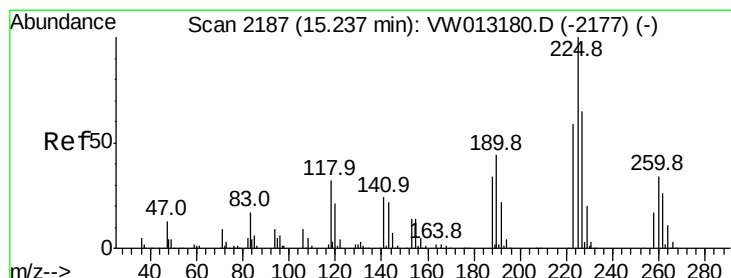
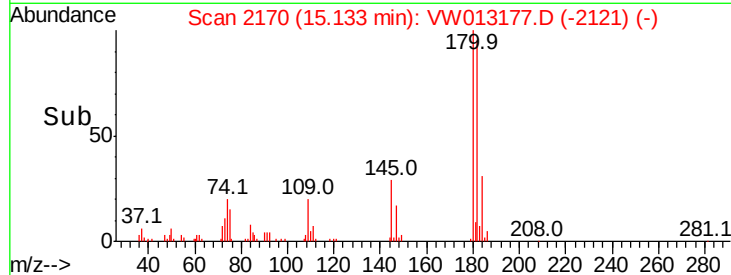
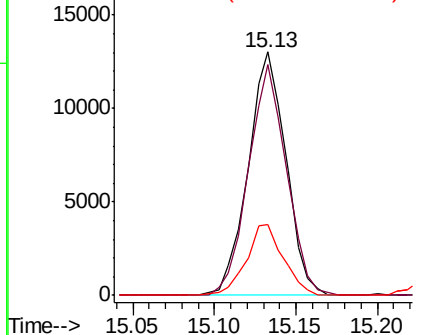
#93
 1,2,4-Trichlorobenzene
 Concen: 5.043 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion:180 Resp: 21061
 Ion Ratio Lower Upper
 180 100
 182 94.7 47.3 142.0
 145 28.3 14.2 42.8

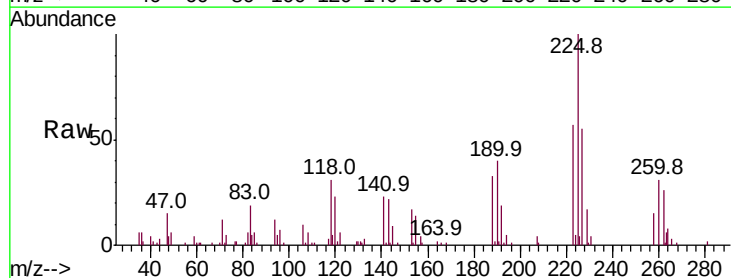


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

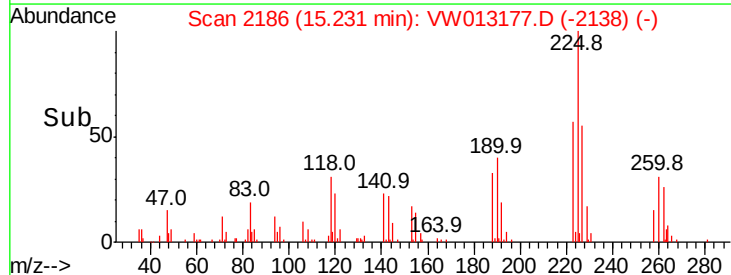
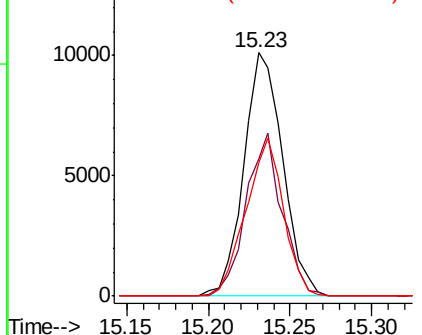


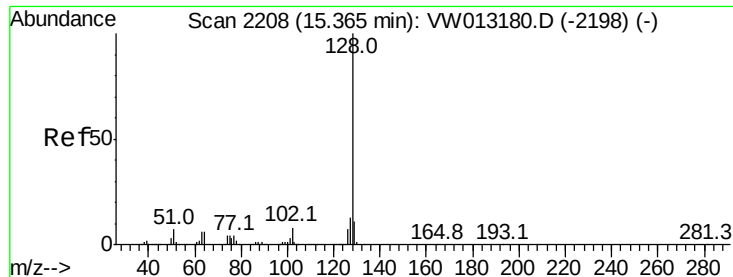
#94
 Hexachlorobutadiene
 Concen: 5.703 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW013177.D
 Acq: 20 Sep 2019 12:43

Tgt Ion:225 Resp: 16777
 Ion Ratio Lower Upper
 225 100
 223 62.4 30.6 91.8
 227 62.5 31.9 95.9



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





#95

Naphthalene

Concen: 4.473 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

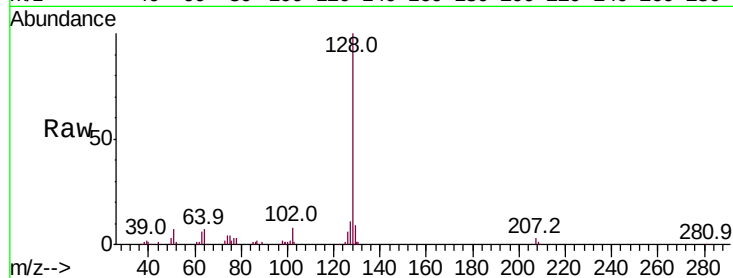
Tot Ion:128 Resp: 30972

Ion Ratio Lower Upper

128 100

127 12.3 10.6 15.8

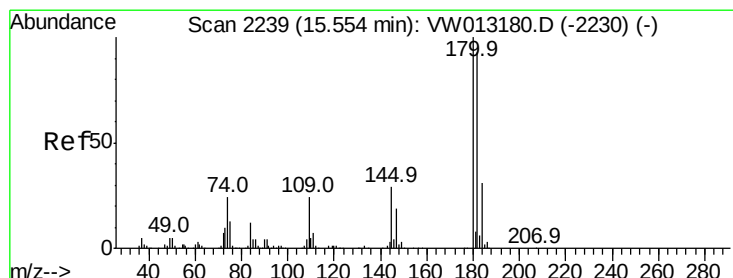
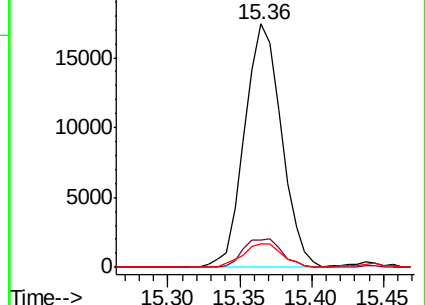
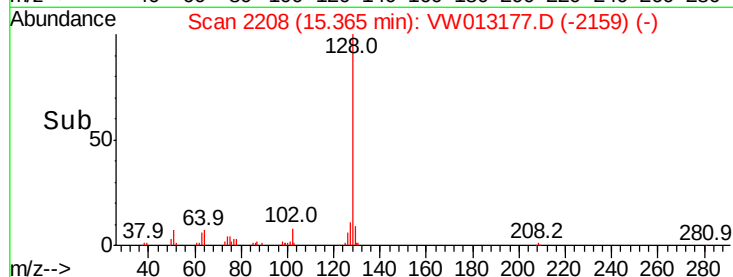
129 10.5 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 5.164 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW013177.D

Acq: 20 Sep 2019 12:43

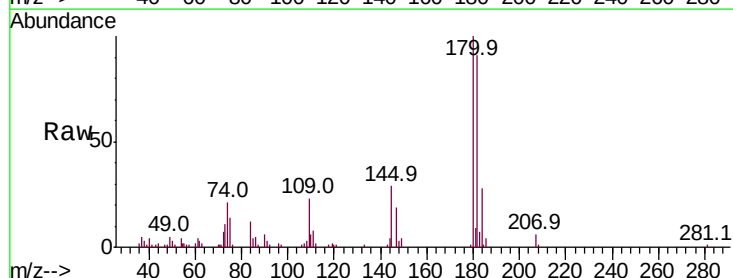
Tgt Ion:180 Resp: 19002

Ion Ratio Lower Upper

180 100

182 88.6 47.9 143.7

145 29.2 15.0 45.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

