

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072719\
 Data File : VW011509.D
 Acq On : 26 Jul 2019 11:30
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5.0ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Quant Time: Jul 27 00:11:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:06:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	255149	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	416769	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	358712	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	172546	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	12952	4.42	ug/l	0.00
Spiked Amount			Recovery	=	8.84%	
35) Dibromofluoromethane	7.88	113	9771	4.18	ug/l	0.00
Spiked Amount			Recovery	=	8.36%	
50) Toluene-d8	10.32	98	40708	4.25	ug/l	0.00
Spiked Amount			Recovery	=	8.50%	
62) 4-Bromofluorobenzene	12.62	95	14869	4.36	ug/l	0.00
Spiked Amount			Recovery	=	8.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	5922	4.165	ug/l	92
3) Chloromethane	2.21	50	13059	5.296	ug/l	98
4) Vinyl Chloride	2.35	62	14488	4.880	ug/l	98
5) Bromomethane	2.78	94	8759	5.331	ug/l	93
6) Chloroethane	2.93	64	8080	4.765	ug/l	91
7) Trichlorofluoromethane	3.25	101	6126	4.617	ug/l	91
8) Diethyl Ether	3.68	74	6767	4.499	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	4.06	101	12151	4.828	ug/l	100
10) Methyl Iodide	4.26	142	15886	4.467	ug/l	99
11) Tert butyl alcohol	5.14	59	8832	35.908	ug/l #	86
12) 1,1-Dichloroethene	4.04	96	12736	4.793	ug/l	88
13) Acrolein	3.89	56	5276	25.097	ug/l	89
14) Allyl chloride	4.66	41	25652	4.539	ug/l	94
15) Acrylonitrile	5.37	53	17409	23.184	ug/l	96
16) Acetone	4.12	43	27624	29.640	ug/l	97
17) Carbon Disulfide	4.38	76	38530	4.633	ug/l	99
18) Methyl Acetate	4.67	43	10341	4.939	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	19455	4.614	ug/l	99
20) Methylene Chloride	4.91	84	18079	5.625	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	13763	4.804	ug/l	99
22) Diisopropyl ether	6.31	45	50654	4.754	ug/l	99
23) Vinyl Acetate	6.25	43	145821	21.779	ug/l	100
24) 1,1-Dichloroethane	6.21	63	27105	4.750	ug/l	99
25) 2-Butanone	7.17	43	29565	24.243	ug/l	96
26) 2,2-Dichloropropane	7.16	77	21144	6.025	ug/l	90
27) cis-1,2-Dichloroethene	7.17	96	15293	4.850	ug/l	89
28) Bromochloromethane	7.51	49	11966	4.724	ug/l #	99
29) Tetrahydrofuran	7.53	42	15585	22.357	ug/l	97
30) Chloroform	7.67	83	26592	5.051	ug/l	97
31) Cyclohexane	7.96	56	30391	5.548	ug/l #	87
32) 1,1,1-Trichloroethane	7.87	97	18890	4.711	ug/l	98
36) 1,1-Dichloropropene	8.08	75	21262	4.906	ug/l	99
37) Ethyl Acetate	7.25	43	11880	4.765	ug/l #	96
38) Carbon Tetrachloride	8.07	117	17719	4.776	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072719\
 Data File : VW011509.D
 Acq On : 26 Jul 2019 11:30
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5.0ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Quant Time: Jul 27 00:11:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:06:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	22701	4.757	ug/l	98
40) Benzene	8.32	78	59064	4.866	ug/l	98
41) Methacrylonitrile	7.48	41	6279	4.213	ug/l #	91
42) 1,2-Dichloroethane	8.40	62	18239	4.799	ug/l	98
43) Isopropyl Acetate	8.43	43	20399	4.449	ug/l	99
44) Trichloroethene	9.09	130	14025	4.807	ug/l	91
45) 1,2-Dichloropropane	9.37	63	15067	4.639	ug/l	97
46) Dibromomethane	9.46	93	7123	4.805	ug/l	97
47) Bromodichloromethane	9.65	83	17932	4.611	ug/l	95
48) Methyl methacrylate	9.44	41	9492	4.309	ug/l	96
49) 1,4-Dioxane	9.45	88	1996	92.991	ug/l	92
51) 4-Methyl-2-Pentanone	10.21	43	52921	22.189	ug/l	99
52) Toluene	10.39	92	34374	4.689	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	17789	4.379	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	20768	4.300	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	10098	4.801	ug/l	95
56) Ethyl methacrylate	10.65	69	12415	4.034	ug/l	97
57) 1,3-Dichloropropane	10.93	76	18234	4.582	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	21864	15.646	ug/l	98
59) 2-Hexanone	10.97	43	34584	20.537	ug/l	98
60) Dibromochloromethane	11.13	129	10179	4.360	ug/l	97
61) 1,2-Dibromoethane	11.24	107	8985	4.514	ug/l	97
64) Tetrachloroethene	10.87	164	11592	4.963	ug/l	99
65) Chlorobenzene	11.66	112	35158	4.875	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	11844	4.715	ug/l	98
67) Ethyl Benzene	11.73	91	64668	4.708	ug/l	99
68) m/p-Xylenes	11.84	106	47100	9.429	ug/l	100
69) o-Xylene	12.17	106	21342	4.598	ug/l	98
70) Styrene	12.18	104	35737	4.453	ug/l	99
71) Bromoform	12.35	173	5669	4.426	ug/l #	97
73) Isopropylbenzene	12.46	105	62790	4.878	ug/l	99
74) N-amyl acetate	12.27	43	17180	4.263	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	11215	4.632	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	14789	8.074	ug/l #	100
77) Bromobenzene	12.75	156	13728	4.825	ug/l	100
78) n-propylbenzene	12.80	91	74726	4.770	ug/l	99
79) 2-Chlorotoluene	12.90	91	43600	4.831	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	50250	4.657	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	3066	3.870	ug/l	86
82) 4-Chlorotoluene	12.99	91	45876	4.845	ug/l	99
83) tert-Butylbenzene	13.21	119	42253	4.683	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	51708	4.757	ug/l	99
85) sec-Butylbenzene	13.38	105	61635	4.787	ug/l	98
86) p-Isopropyltoluene	13.50	119	55376	4.740	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	27698	4.965	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	28004	5.046	ug/l	93
89) n-Butylbenzene	13.82	91	55548	4.765	ug/l	99
90) Hexachloroethane	14.10	117	9634	4.664	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	24275	4.920	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	1831	4.435	ug/l	95

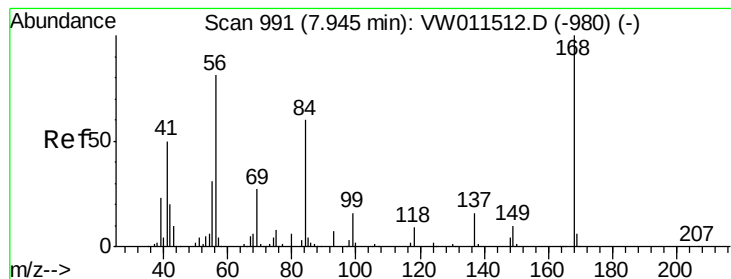
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072719\
Data File : VW011509.D
Acq On : 26 Jul 2019 11:30
Operator : SY/VA
Sample : VSTDICC005
Misc : 5.00G/5.0ML/MSVOA W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Quant Time: Jul 27 00:11:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:06:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	15746	4.528	ug/l	99
94) Hexachlorobutadiene	15.24	225	10645	4.909	ug/l	98
95) Naphthalene	15.37	128	23593	3.827	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	13602	4.462	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

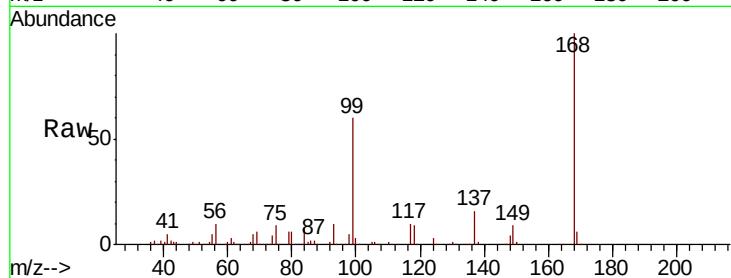
VSTDIC005

Tot Ion:168 Resp: 255149

Ion Ratio Lower Upper

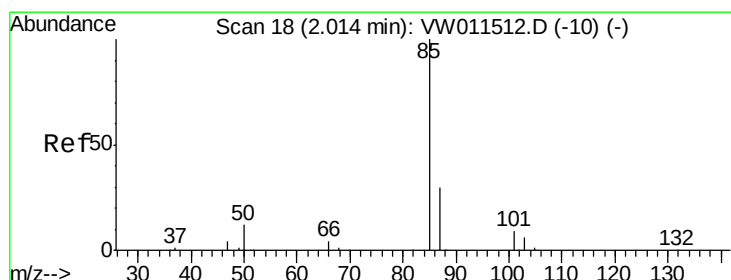
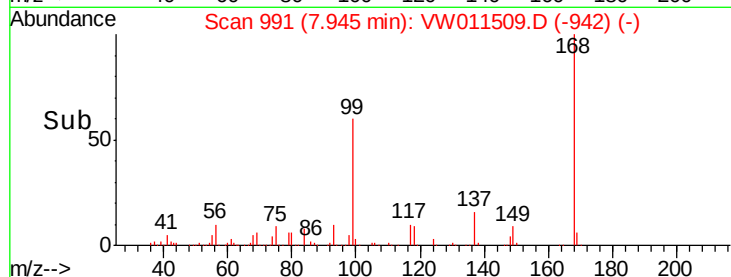
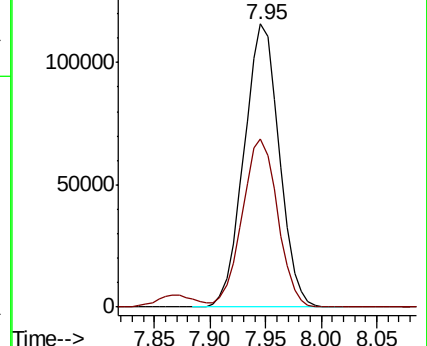
168 100

99 59.5 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 4.165 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011509.D

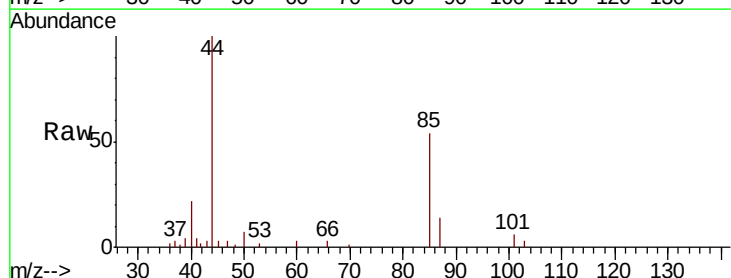
Acq: 26 Jul 2019 11:30

Tgt Ion: 85 Resp: 5922

Ion Ratio Lower Upper

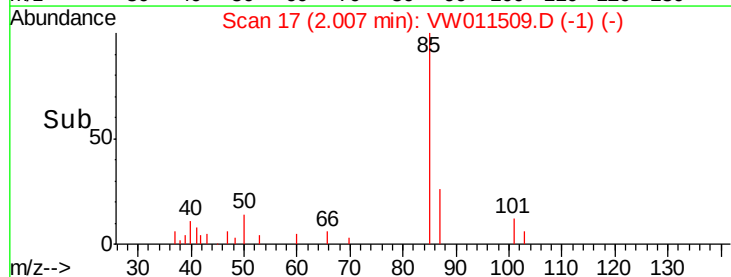
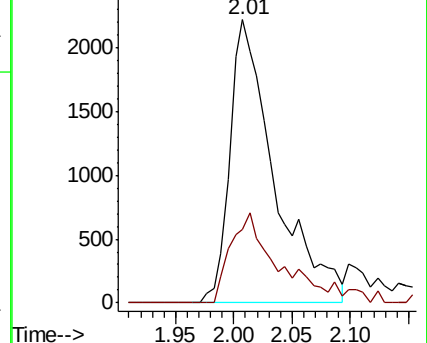
85 100

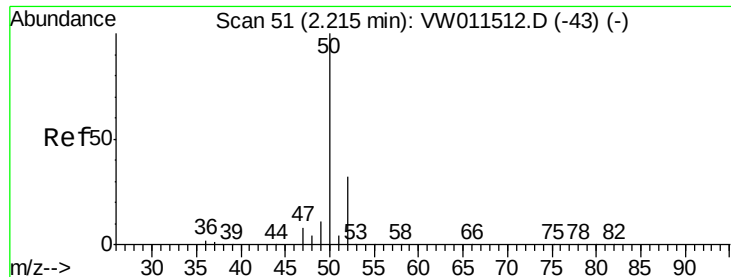
87 25.9 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 5.296 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

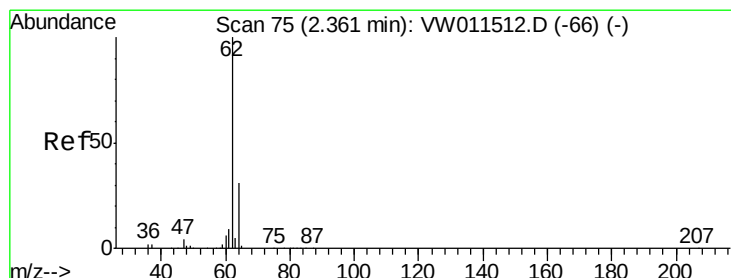
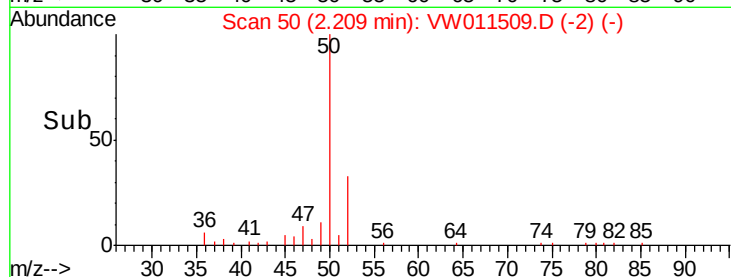
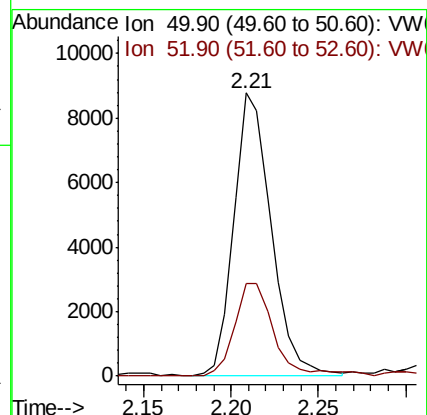
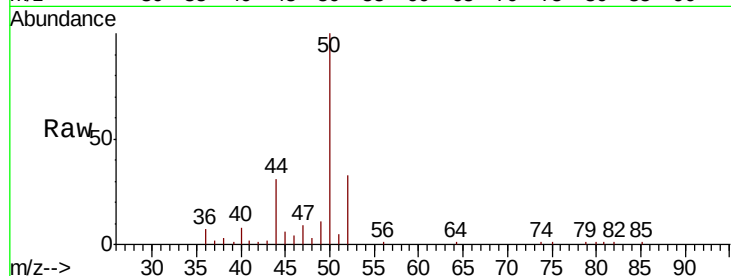
VSTDIC005

Tot Ion: 50 Resp: 13059

Ion Ratio Lower Upper

50 100

52 32.9 25.4 38.2



#4

Vinyl Chloride

Concen: 4.880 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011509.D

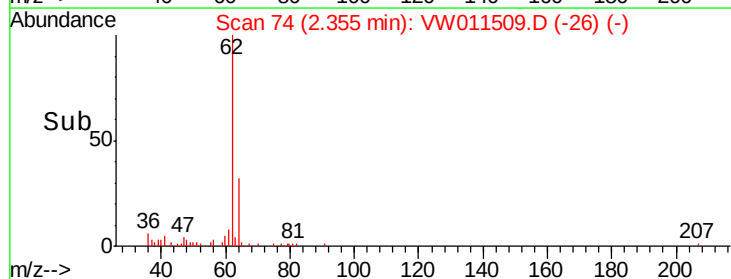
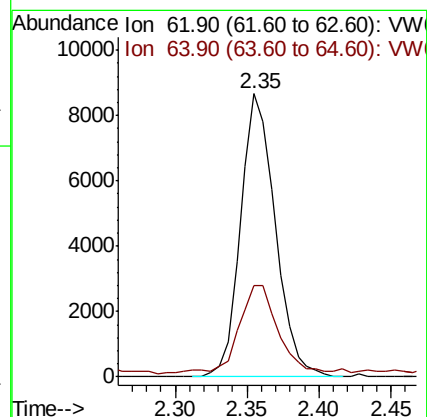
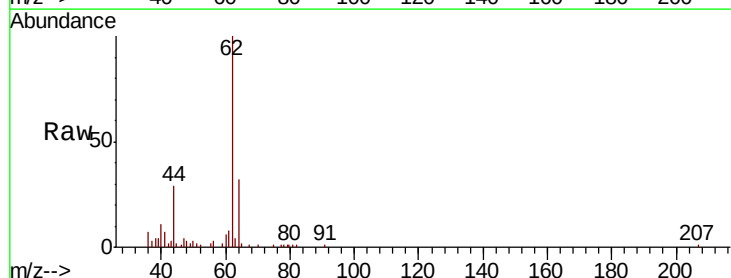
Acq: 26 Jul 2019 11:30

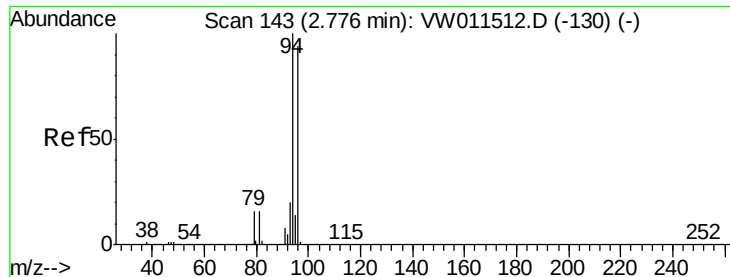
Tgt Ion: 62 Resp: 14488

Ion Ratio Lower Upper

62 100

64 30.0 25.0 37.4





#5

Bromomethane

Concen: 5.331 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

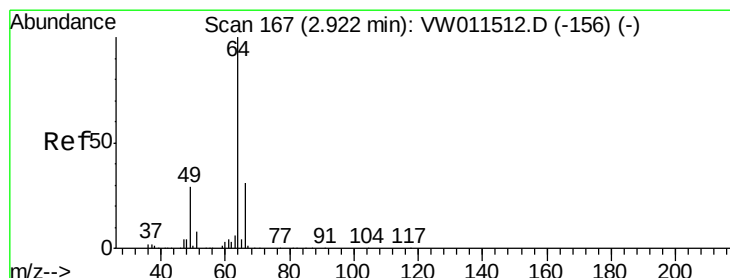
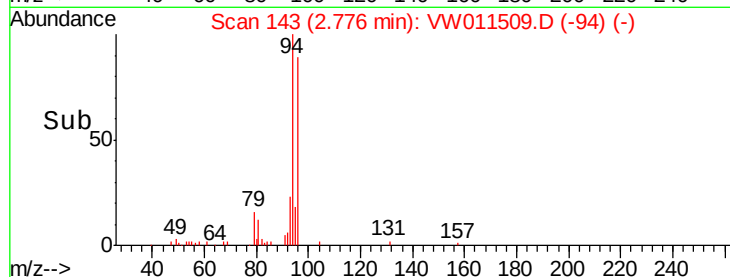
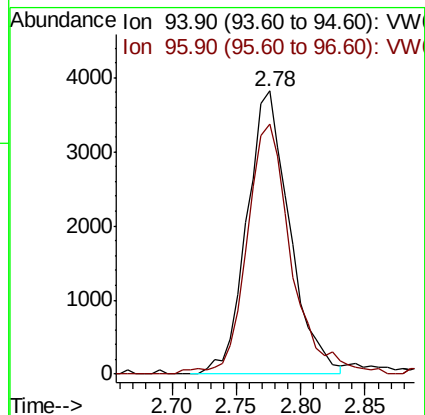
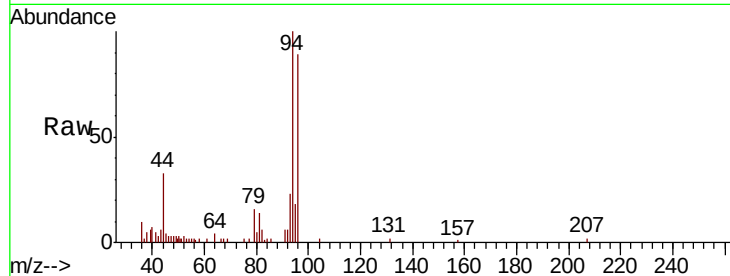
VSTDIC005

Tot Ion: 94 Resp: 8759

Ion Ratio Lower Upper

94 100

96 87.1 75.0 112.6



#6

Chloroethane

Concen: 4.765 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW011509.D

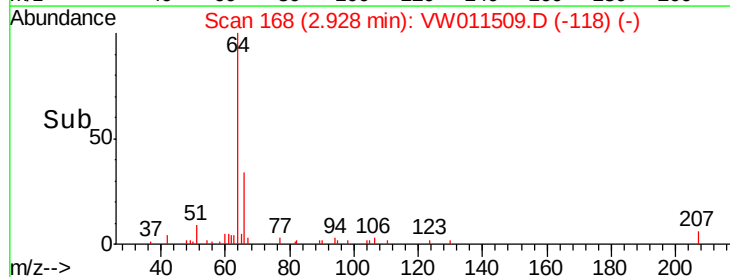
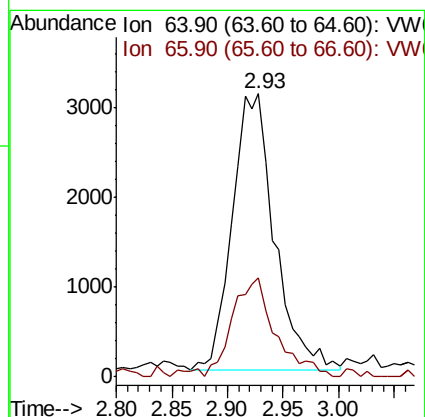
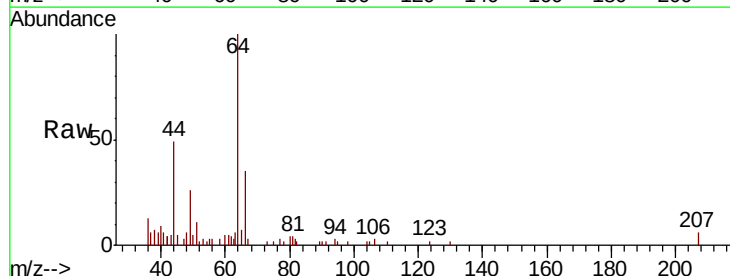
Acq: 26 Jul 2019 11:30

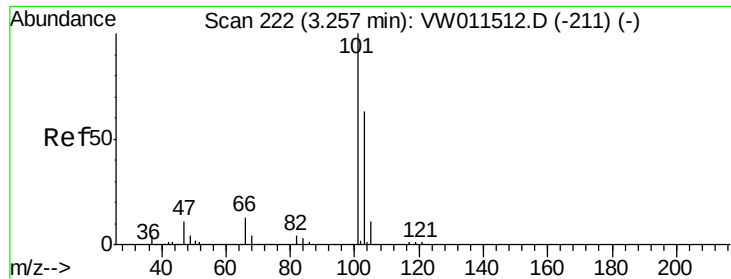
Tgt Ion: 64 Resp: 8080

Ion Ratio Lower Upper

64 100

66 35.9 24.6 36.8



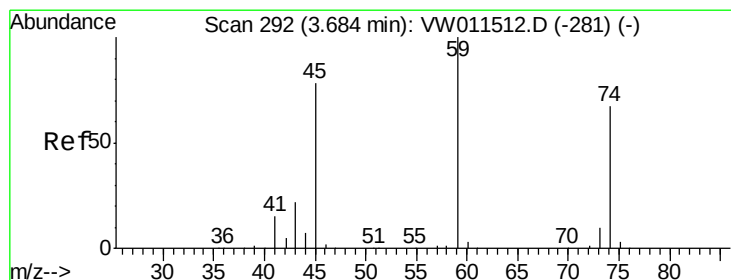
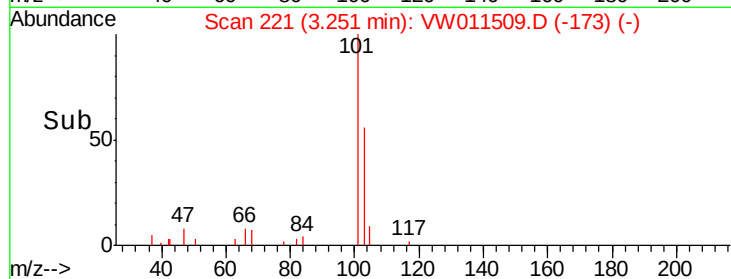
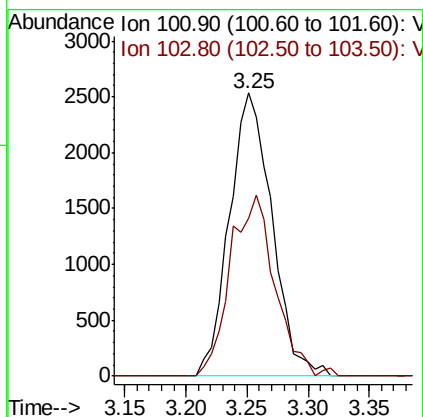
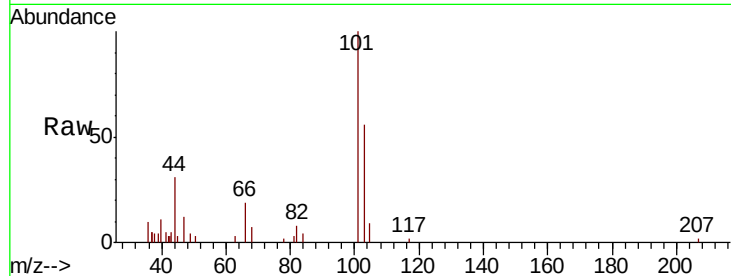


#7

Trichlorofluoromethane
 Concen: 4.617 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW011509.D
 Acq: 26 Jul 2019 11:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

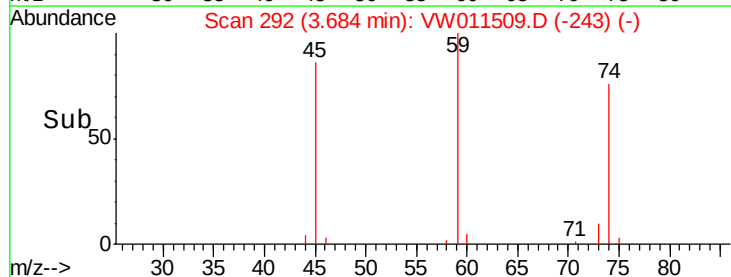
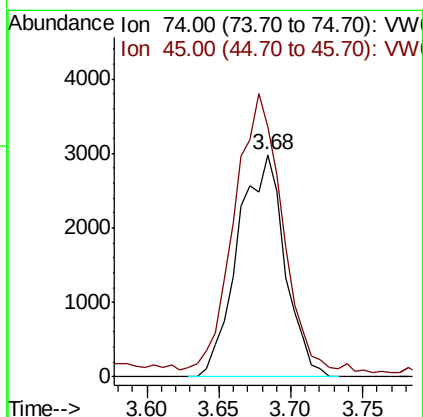
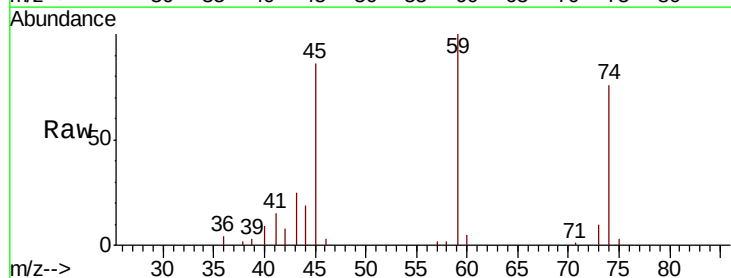
Tot Ion:101 Resp: 6126
 Ion Ratio Lower Upper
 101 100
 103 55.8 50.2 75.4

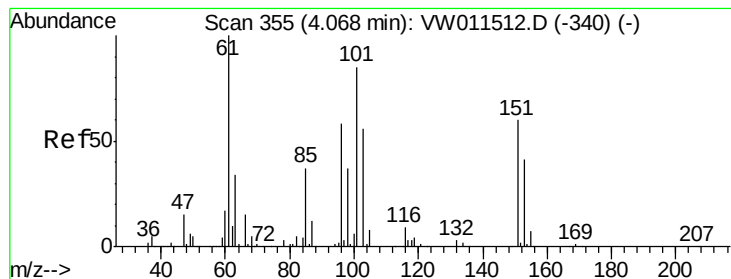


#8

Diethyl Ether
 Concen: 4.499 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW011509.D
 Acq: 26 Jul 2019 11:30

Tgt Ion: 74 Resp: 6767
 Ion Ratio Lower Upper
 74 100
 45 136.5 59.6 178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.828 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

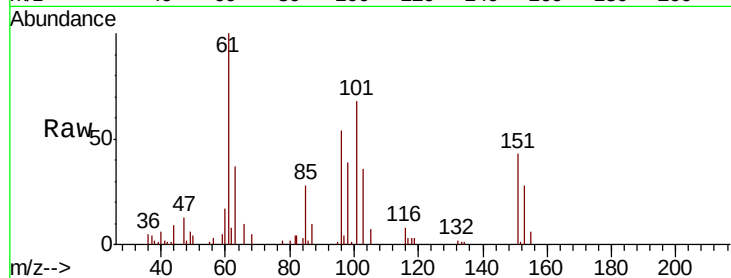
Tot Ion:101 Resp: 12151

Ion Ratio Lower Upper

101 100

85 45.4 36.6 54.8

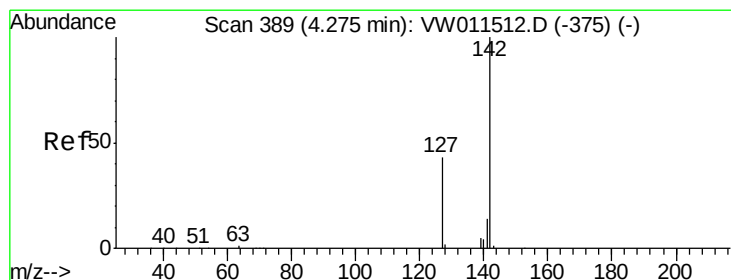
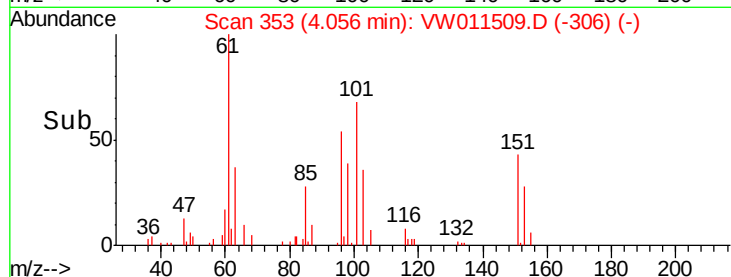
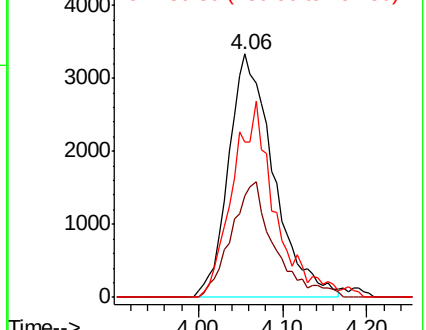
151 75.6 60.2 90.2



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: 4.467 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

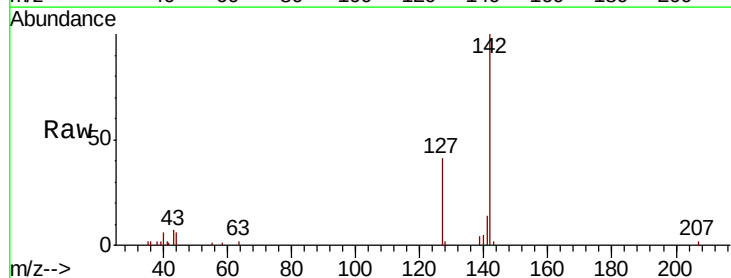
Tgt Ion:142 Resp: 15886

Ion Ratio Lower Upper

142 100

127 44.7 35.0 52.6

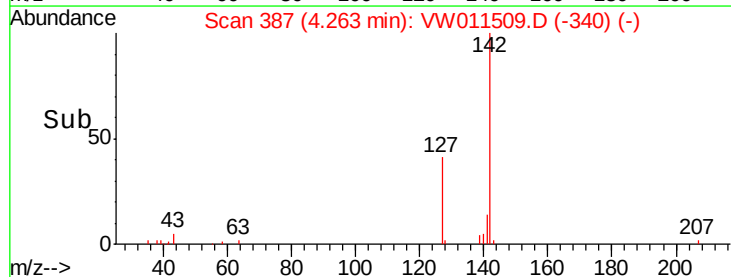
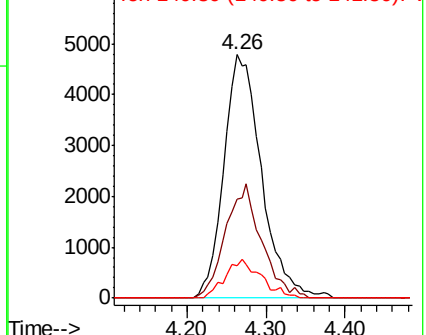
141 15.2 11.9 17.9

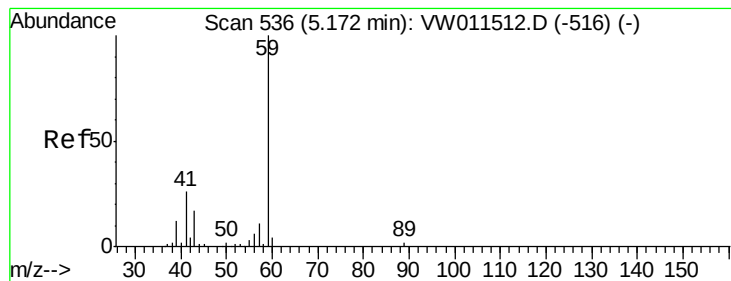


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



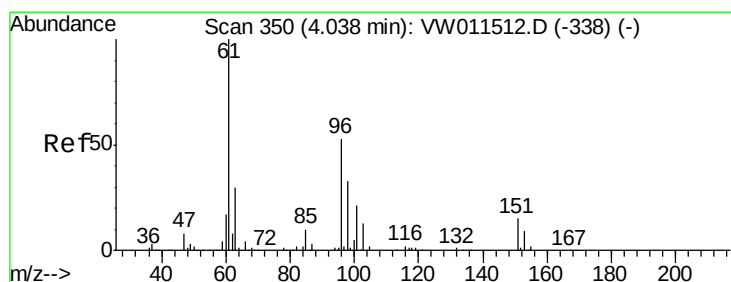
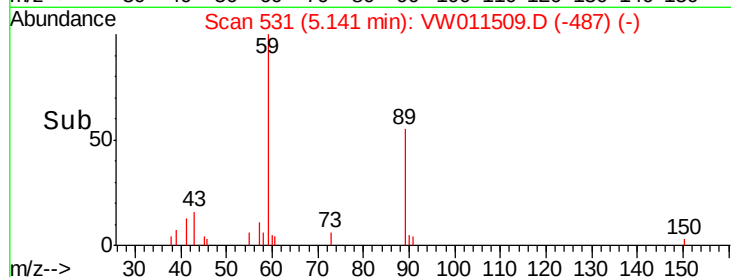
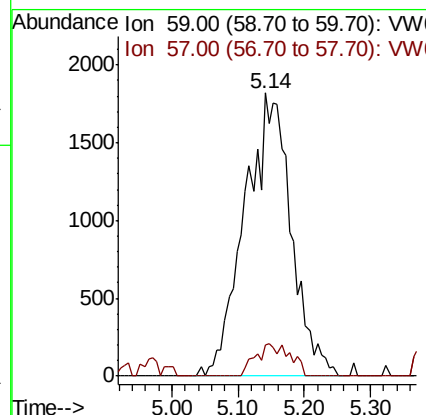
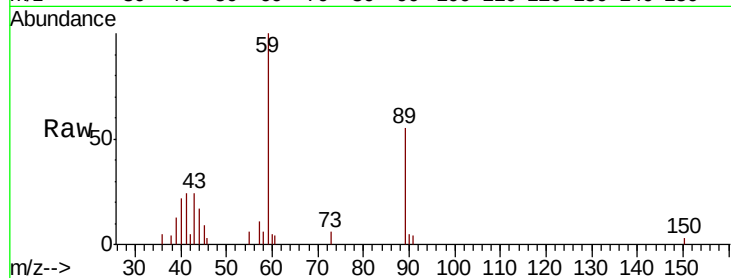


#11

Tert butyl alcohol
 Concen: 35.908 ug/l
 RT: 5.14 min Scan# 531
 Delta R.T. -0.03 min
 Lab File: VW011509.D
 Acq: 26 Jul 2019 11:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

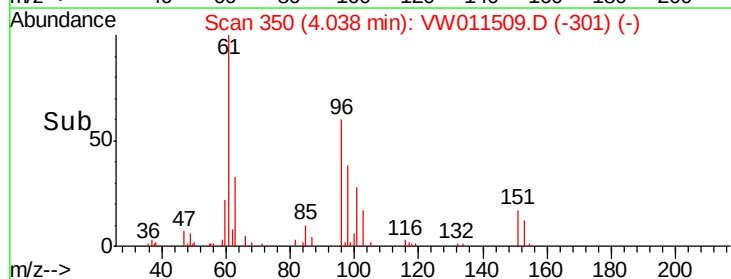
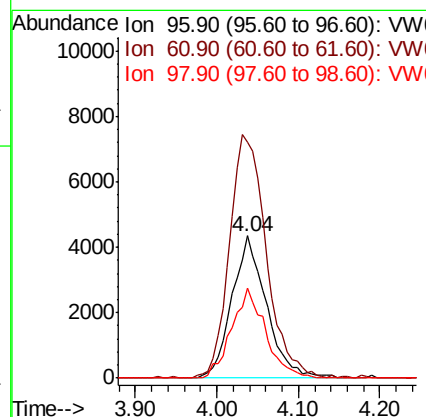
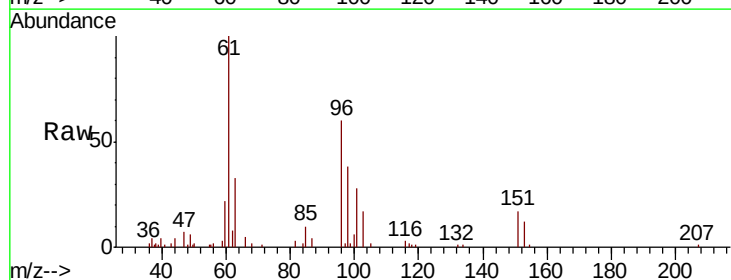
Tot Ion: 59 Resp: 8832
 Ion Ratio Lower Upper
 59 100
 57 5.2 8.5 12.7#

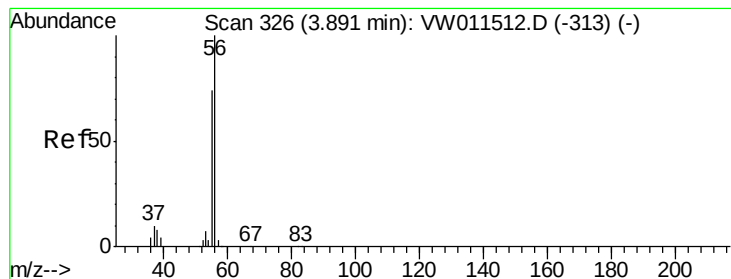


#12

1,1-Dichloroethene
 Concen: 4.793 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW011509.D
 Acq: 26 Jul 2019 11:30

Tgt Ion: 96 Resp: 12736
 Ion Ratio Lower Upper
 96 100
 61 165.8 149.9 224.9
 98 63.0 49.1 73.7





#13

Acrolein

Concen: 25.097 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

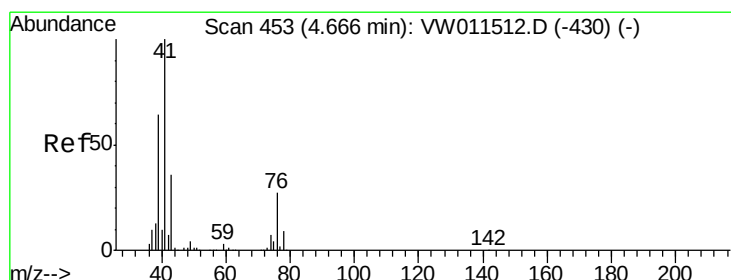
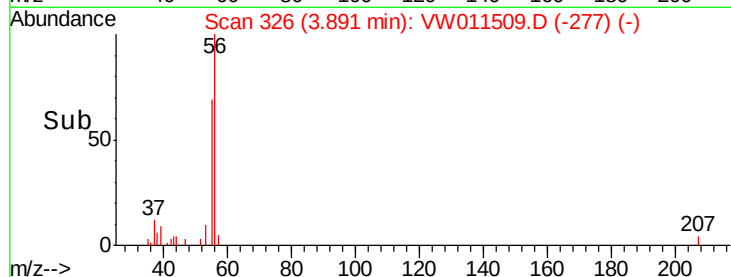
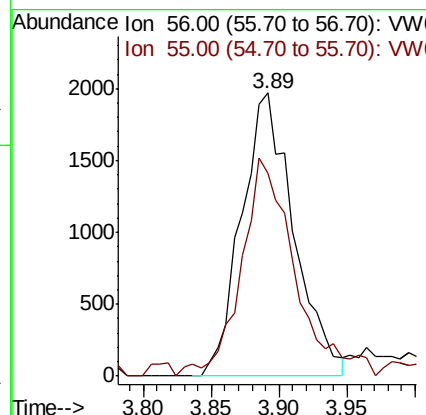
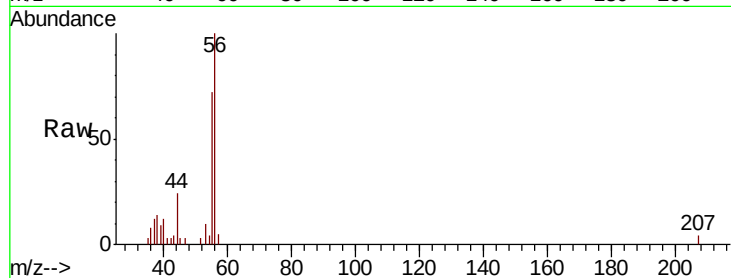
VSTDIC005

Tot Ion: 56 Resp: 5276

Ion Ratio Lower Upper

56 100

55 79.0 56.0 84.0



#14

Allyl chloride

Concen: 4.539 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

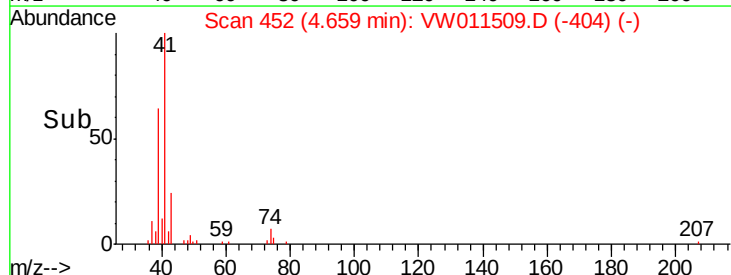
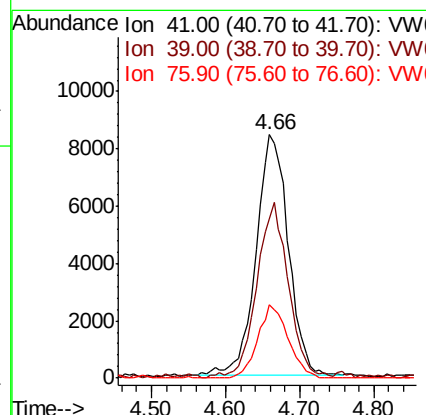
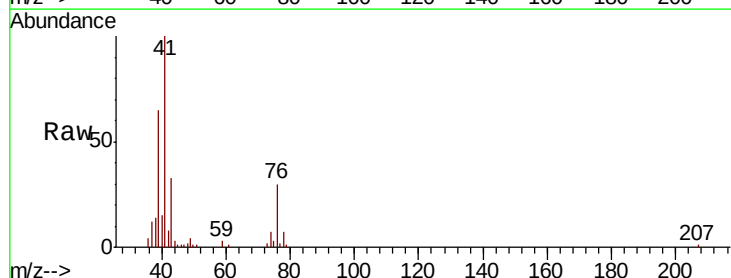
Tgt Ion: 41 Resp: 25652

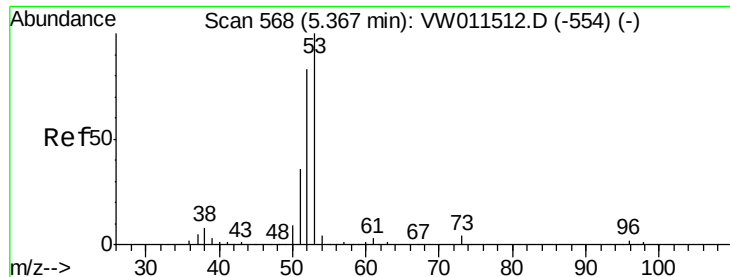
Ion Ratio Lower Upper

41 100

39 71.4 52.6 78.8

76 28.7 22.0 33.0





#15

Acrylonitrile

Concen: 23.184 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

Instrument :

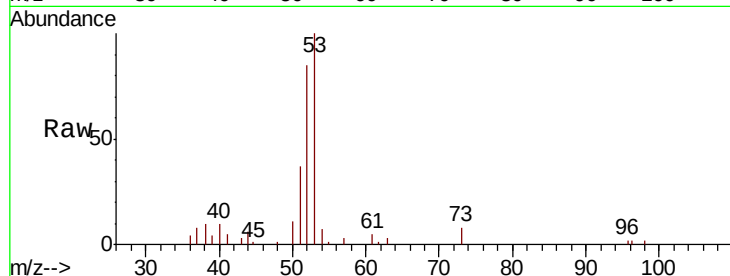
MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 53 Resp: 17409

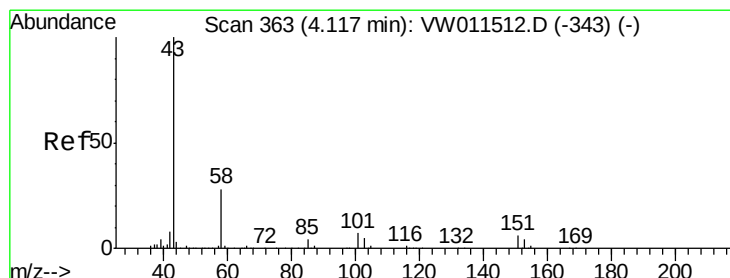
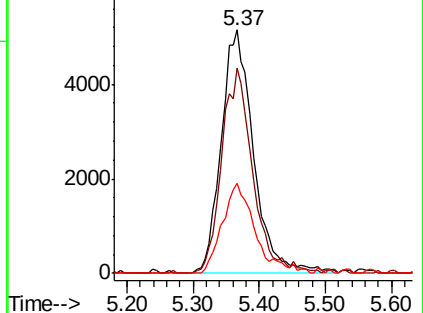
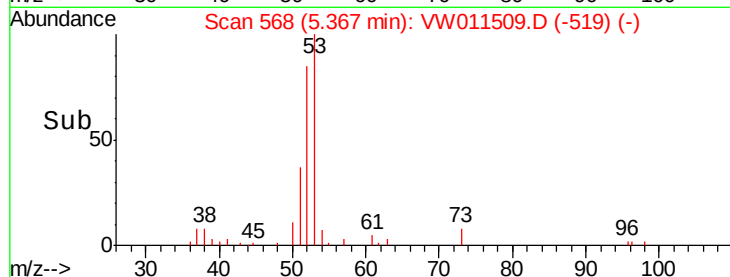
Ion	Ratio	Lower	Upper
53	100		
52	79.3	67.2	100.8
51	36.5	30.0	45.0



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: 29.640 ug/l

RT: 4.12 min Scan# 363

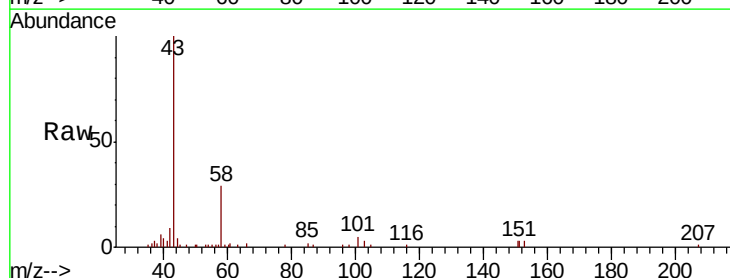
Delta R.T. -0.00 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

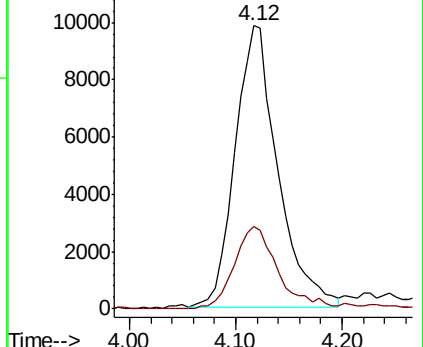
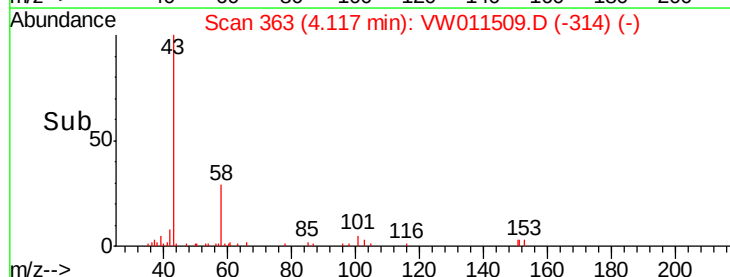
Tgt Ion: 43 Resp: 27624

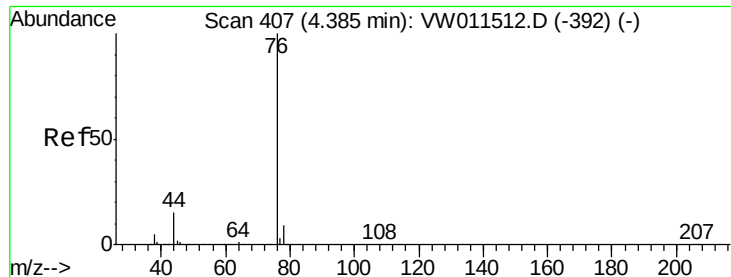
Ion	Ratio	Lower	Upper
43	100		
58	29.3	22.3	33.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

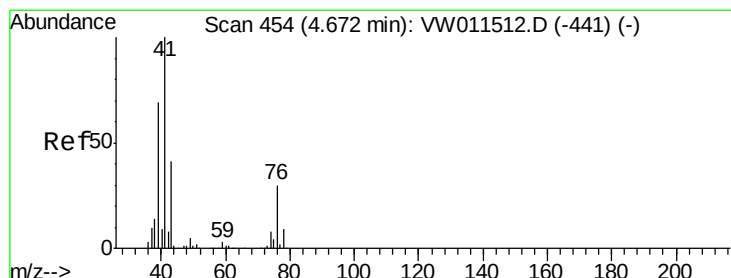
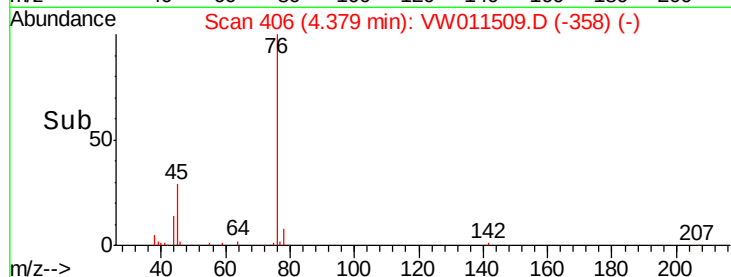
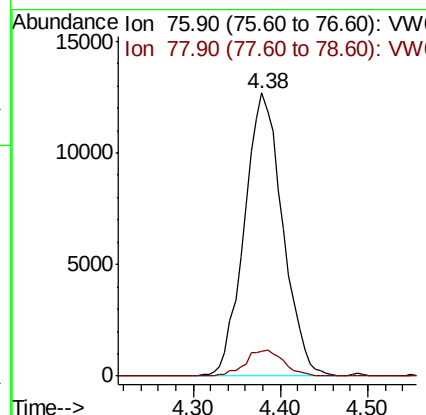
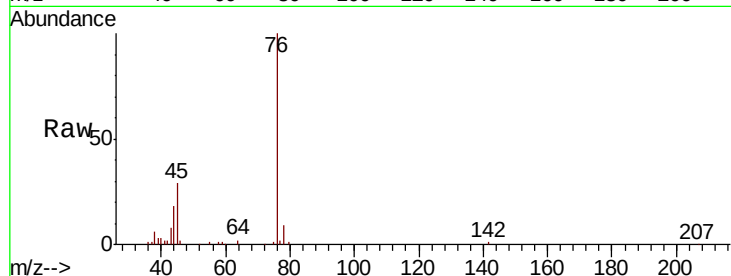




#17
Carbon Disulfide
Concen: 4.633 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

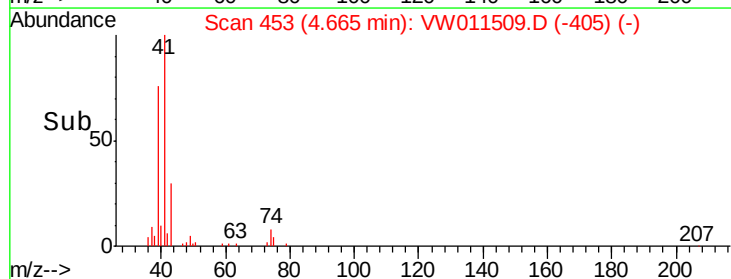
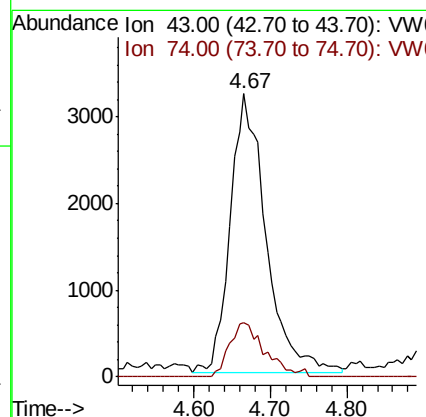
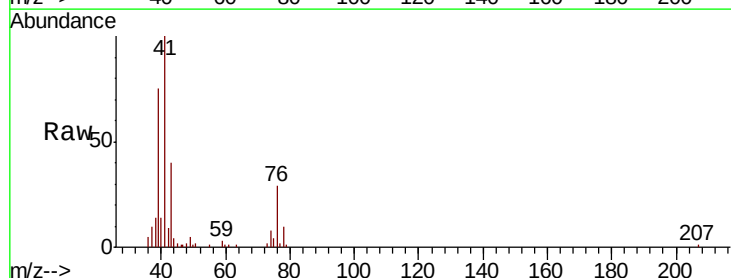
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

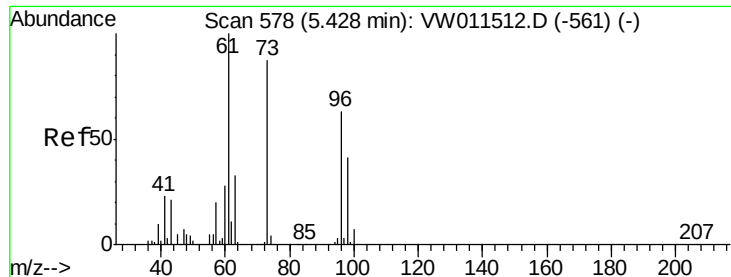
Tot Ion: 76 Resp: 38530
Ion Ratio Lower Upper
76 100
78 8.7 7.1 10.7



#18
Methyl Acetate
Concen: 4.939 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

Tgt Ion: 43 Resp: 10341
Ion Ratio Lower Upper
43 100
74 19.7 15.9 23.9

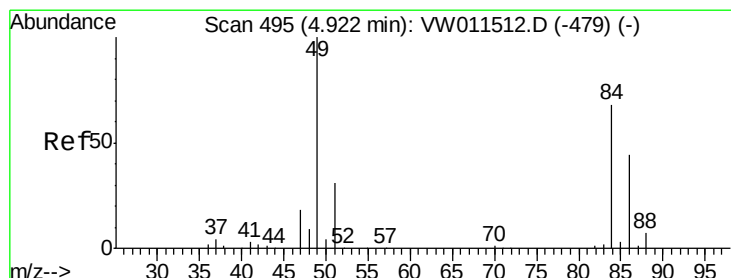
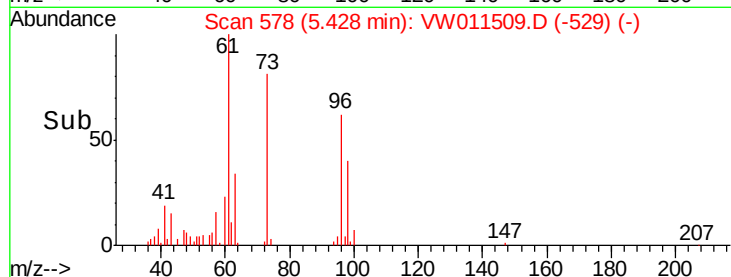
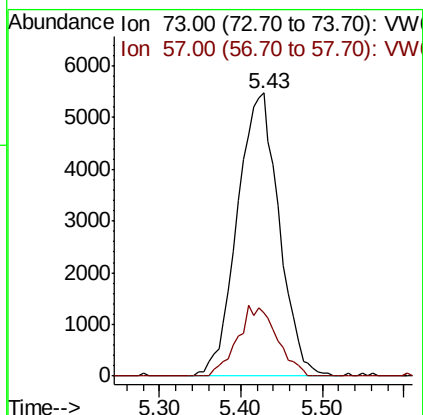
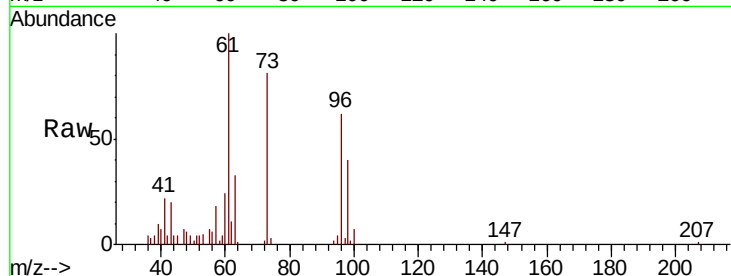




#19
Methyl tert-butyl Ether
Concen: 4.614 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

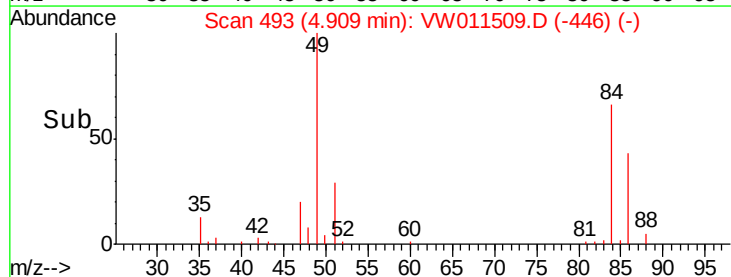
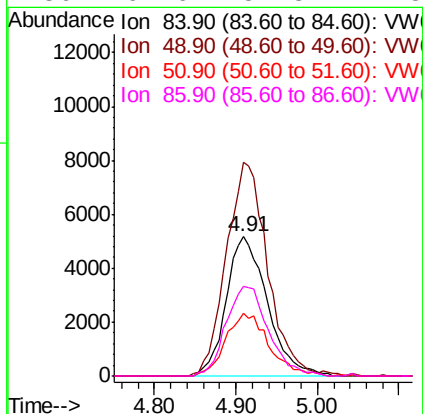
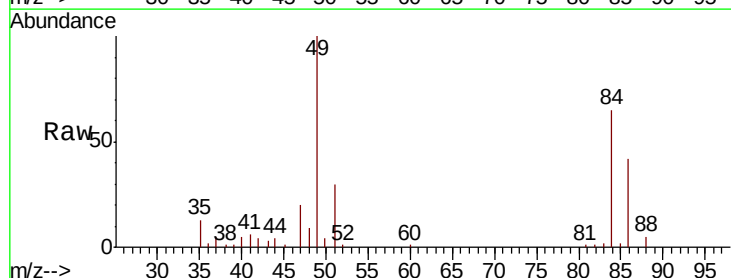
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

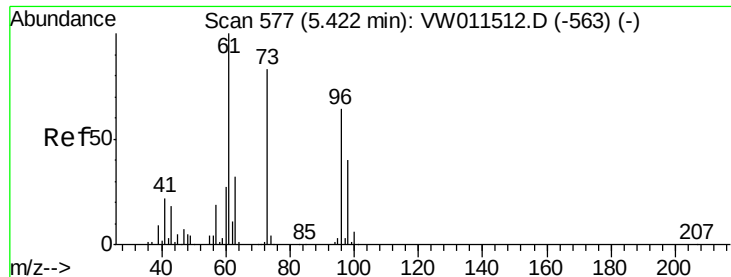
Tot Ion: 73 Resp: 19455
Ion Ratio Lower Upper
73 100
57 22.4 18.4 27.6



#20
Methylene Chloride
Concen: 5.625 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

Tgt Ion: 84 Resp: 18079
Ion Ratio Lower Upper
84 100
49 153.4 117.8 176.6
51 45.4 37.0 55.4
86 64.6 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 4.804 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

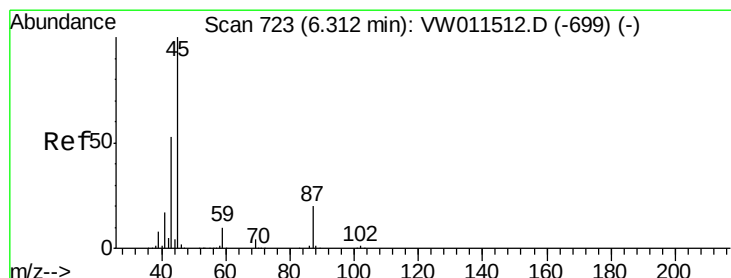
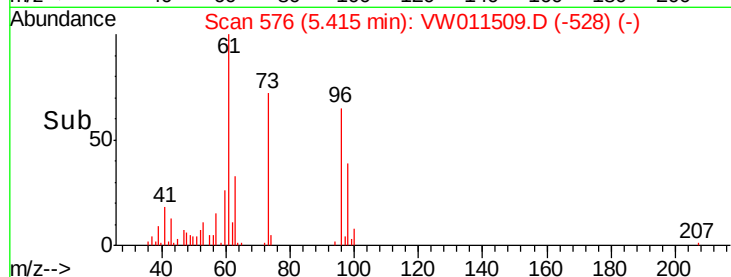
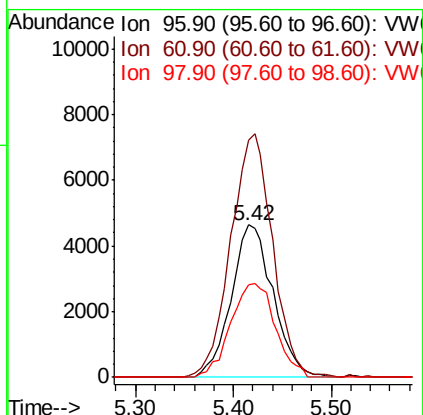
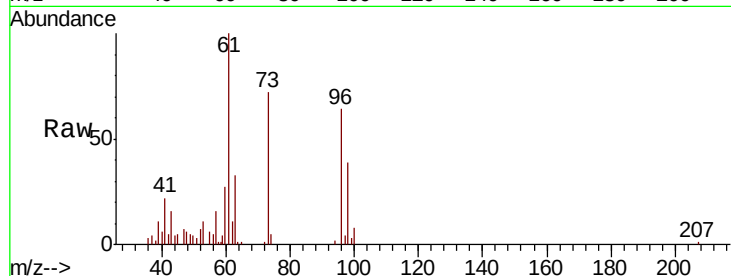
Tot Ion: 96 Resp: 13763

Ion Ratio Lower Upper

96 100

61 156.0 125.7 188.5

98 60.6 50.3 75.5



#22

Diisopropyl ether

Concen: 4.754 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

Tgt Ion: 45 Resp: 50654

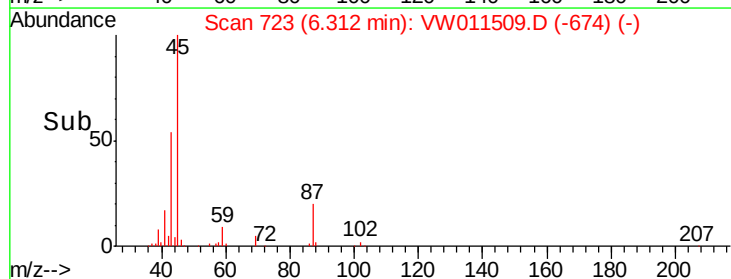
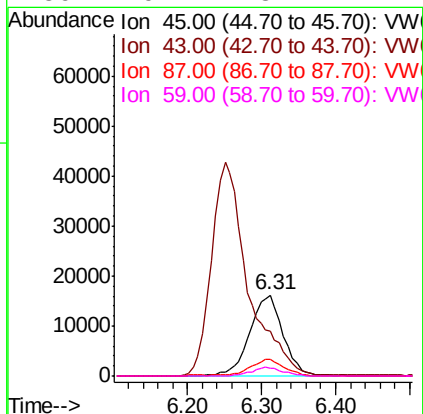
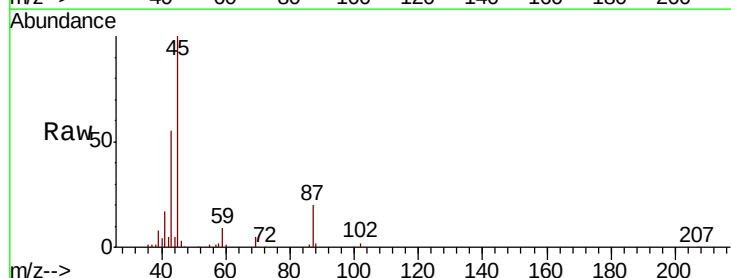
Ion Ratio Lower Upper

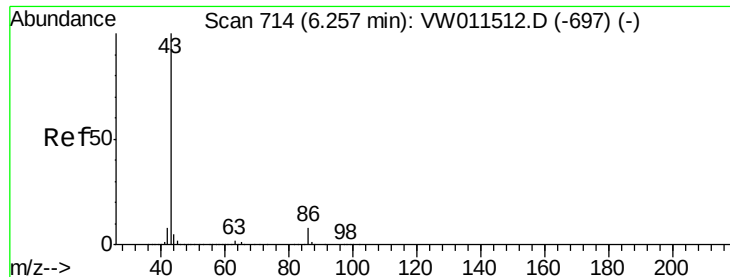
45 100

43 52.8 42.6 63.8

87 20.2 16.4 24.6

59 9.4 8.2 12.2





#23

Vinyl Acetate

Concen: 21.779 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

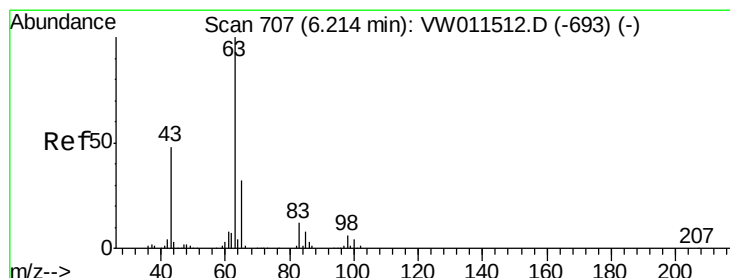
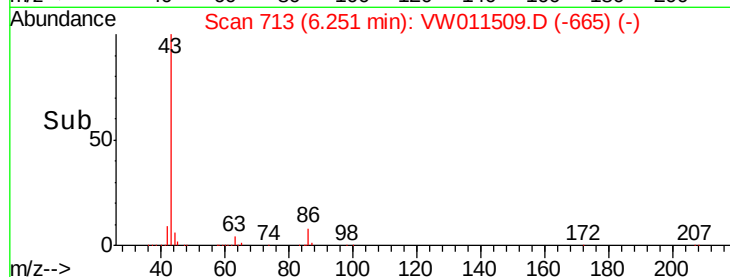
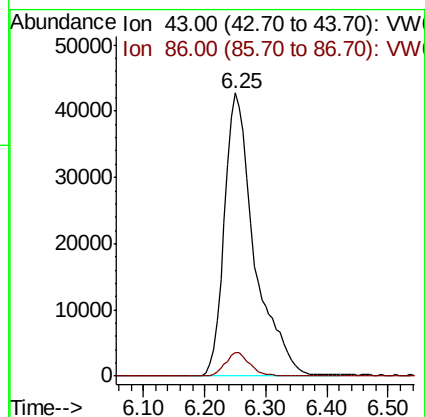
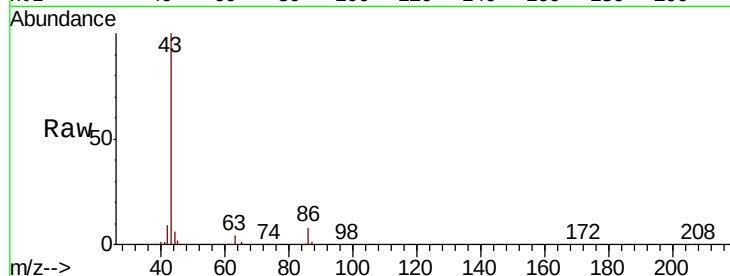
VSTDIC005

Tot Ion: 43 Resp: 145821

Ion Ratio Lower Upper

43 100

86 8.1 6.5 9.7



#24

1,1-Dichloroethane

Concen: 4.750 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

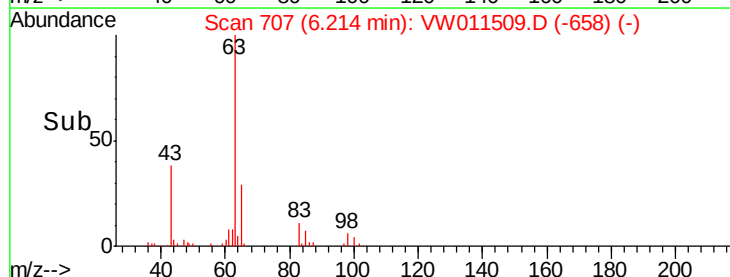
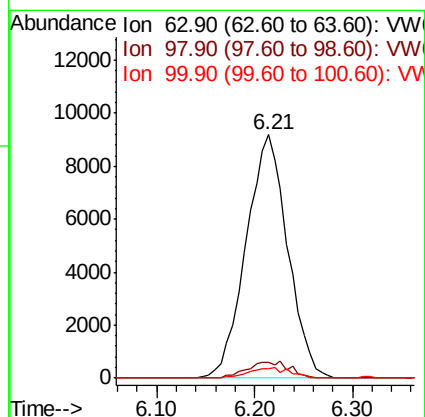
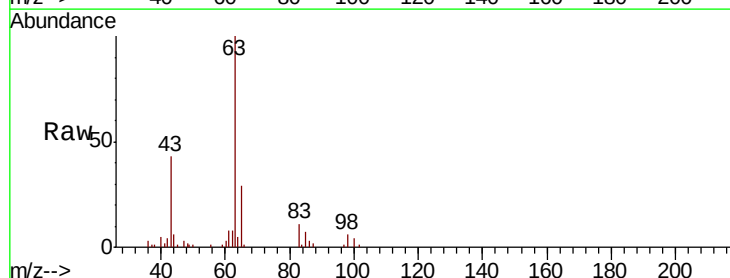
Tgt Ion: 63 Resp: 27105

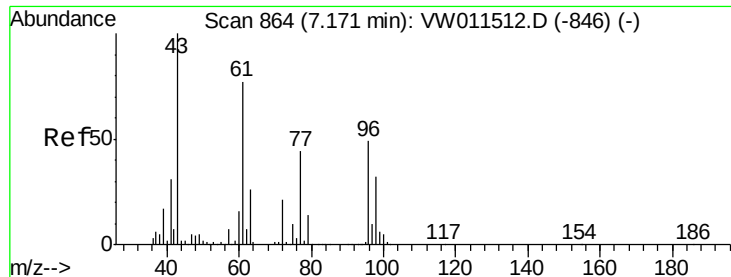
Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.8

100 3.9 2.1 6.3





#25

2-Butanone

Concen: 24.243 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

Instrument :

MSVOA_W

ClientSampled :

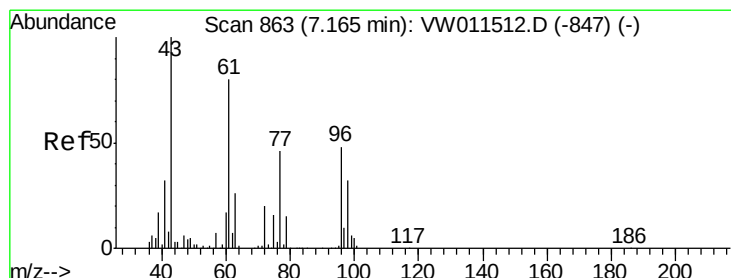
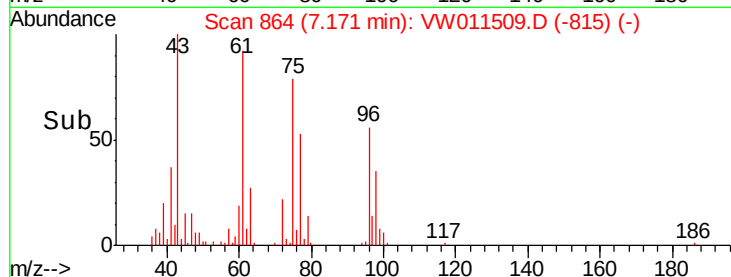
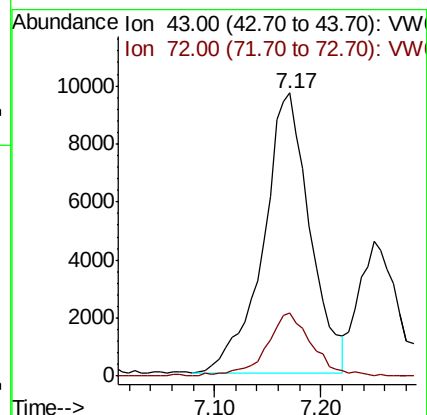
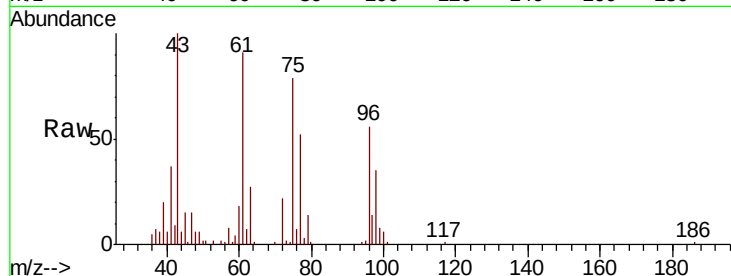
VSTDIC005

Tot Ion: 43 Resp: 29565

Ion Ratio Lower Upper

43 100

72 22.4 16.6 24.8



#26

2,2-Dichloropropane

Concen: 6.025 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW011509.D

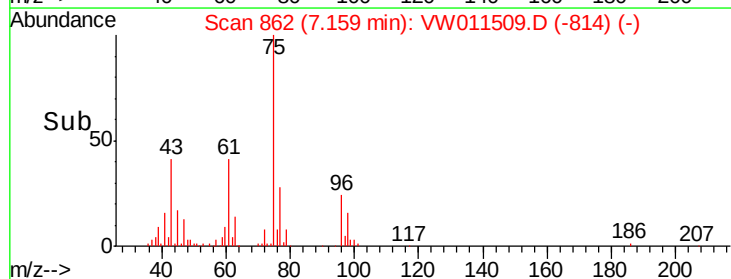
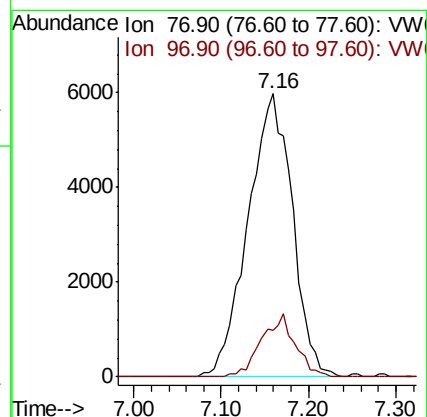
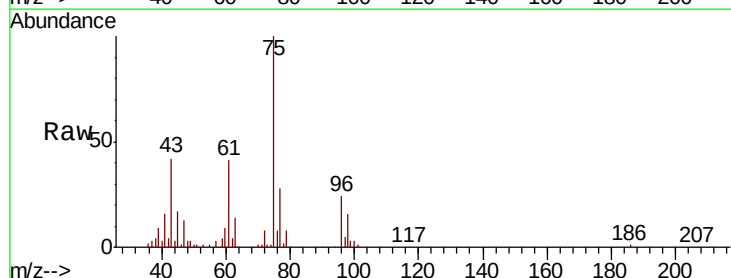
Acq: 26 Jul 2019 11:30

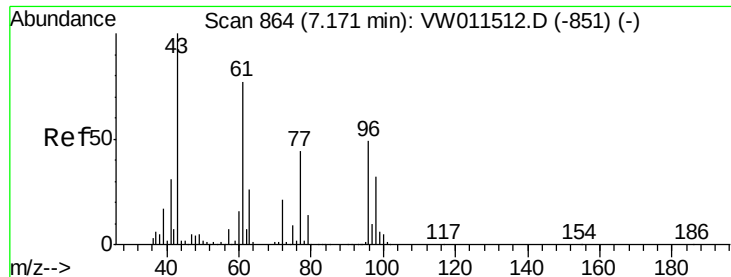
Tgt Ion: 77 Resp: 21144

Ion Ratio Lower Upper

77 100

97 16.9 10.8 32.4





#27

cis-1,2-Dichloroethene

Concen: 4.850 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

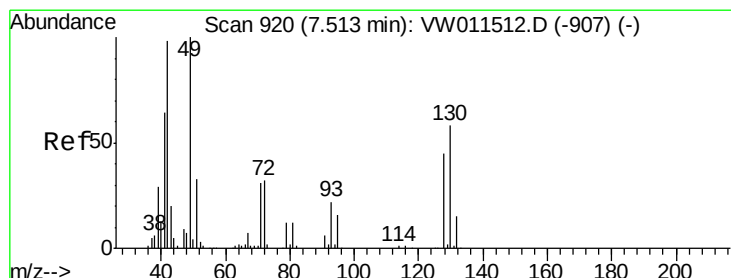
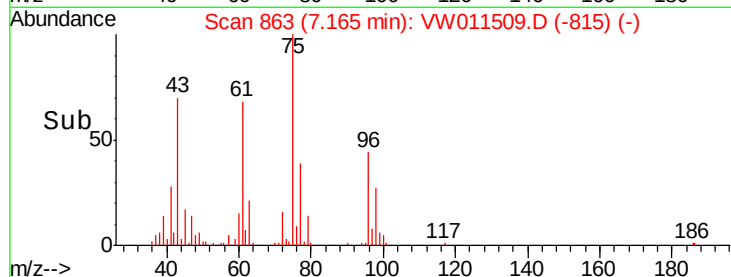
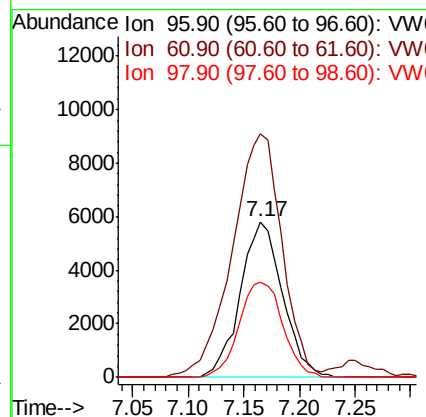
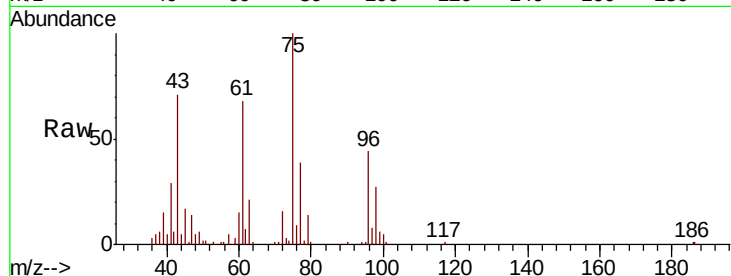
Tot Ion: 96 Resp: 15293

Ion Ratio Lower Upper

96 100

61 184.2 0.0 328.4

98 63.3 0.0 128.8



#28

Bromochloromethane

Concen: 4.724 ug/l

RT: 7.51 min Scan# 920

Delta R.T. -0.00 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

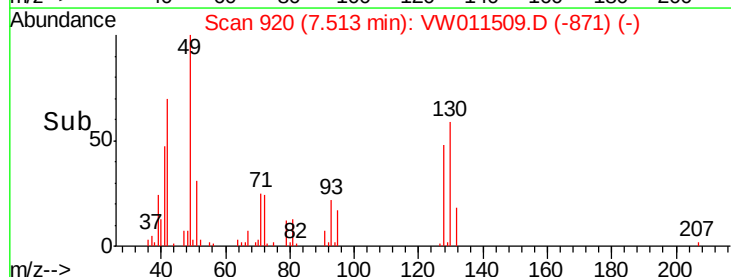
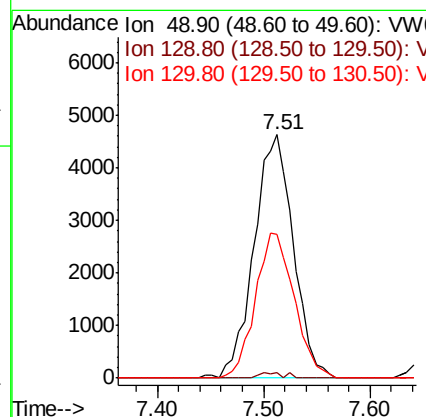
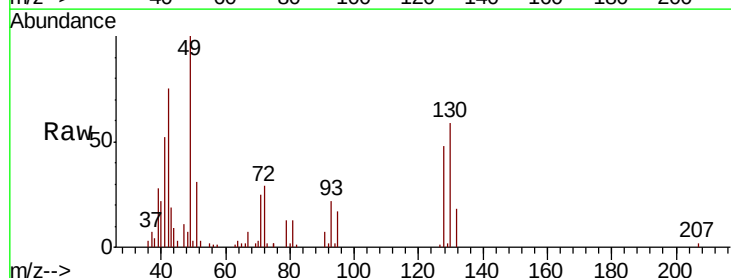
Tgt Ion: 49 Resp: 11966

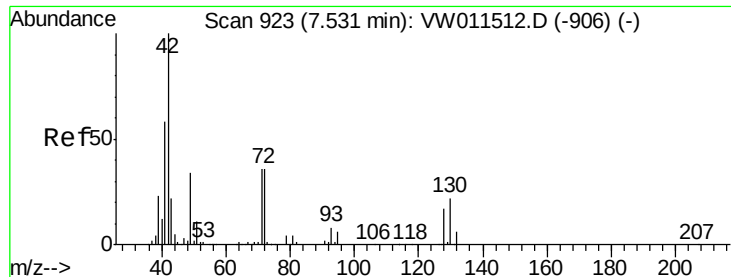
Ion Ratio Lower Upper

49 100

129 1.1 0.0 1.0#

130 58.6 46.3 69.5

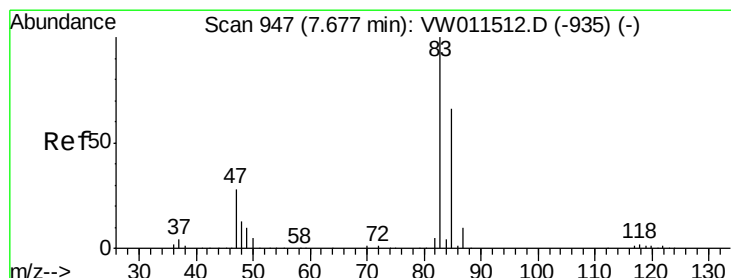
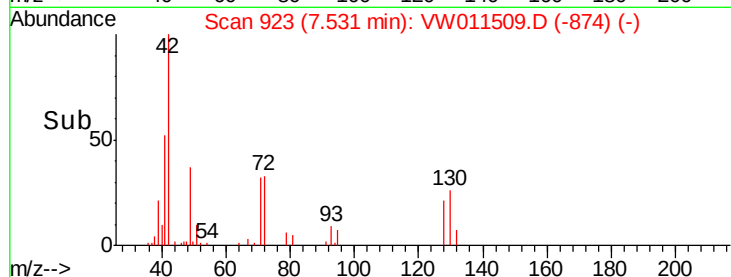
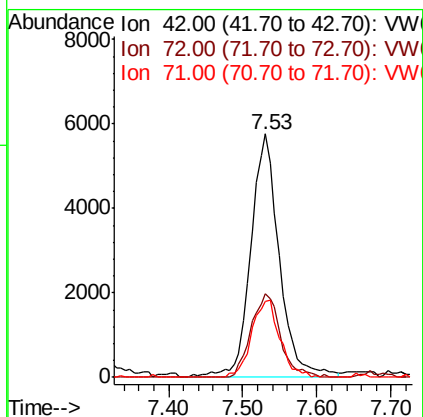
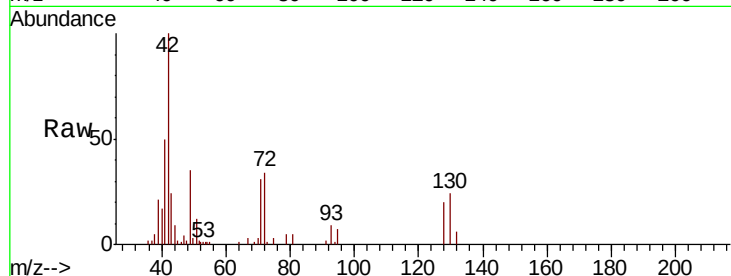




#29
Tetrahydrofuran
Concen: 22.357 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

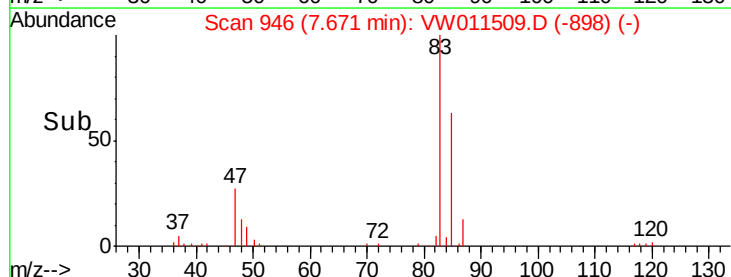
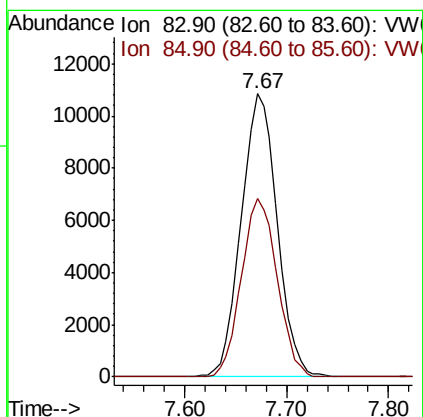
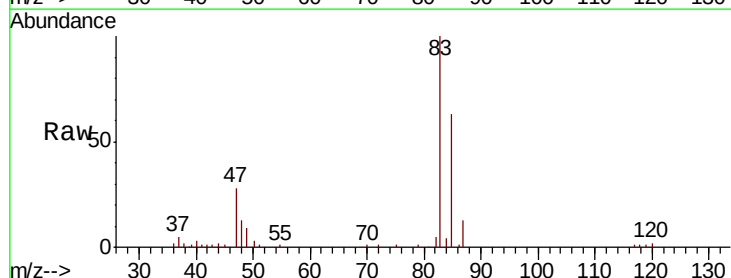
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

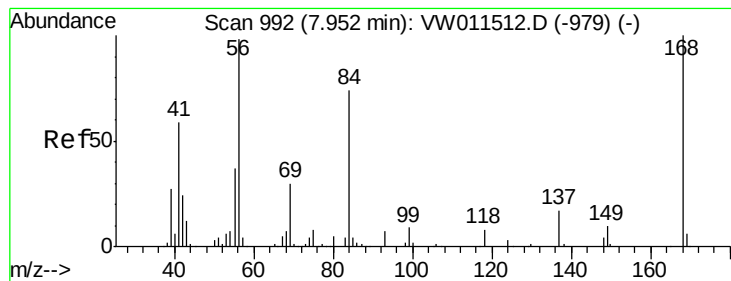
Tot Ion	Ratio	Lower	Upper
42	100		
72	35.2	27.1	40.7
71	31.0	26.2	39.4



#30
Chloroform
Concen: 5.051 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	52.5	78.7





#31

Cyclohexane

Concen: 5.548 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

Instrument :

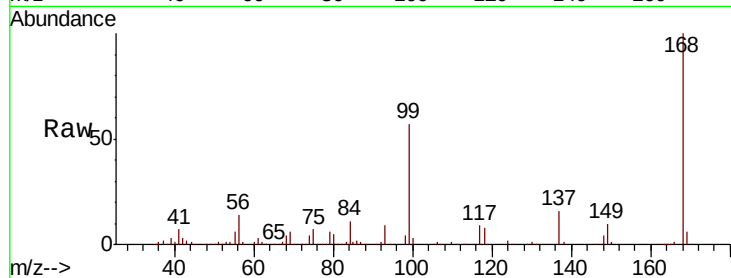
MSVOA_W

ClientSampleId :

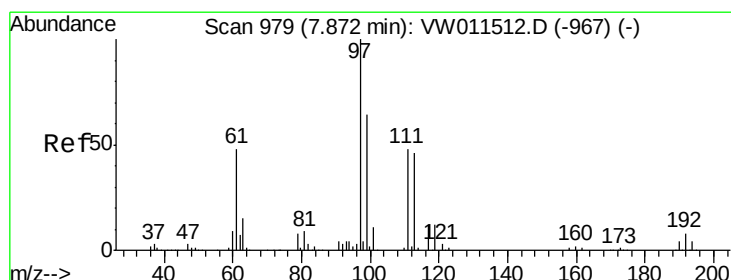
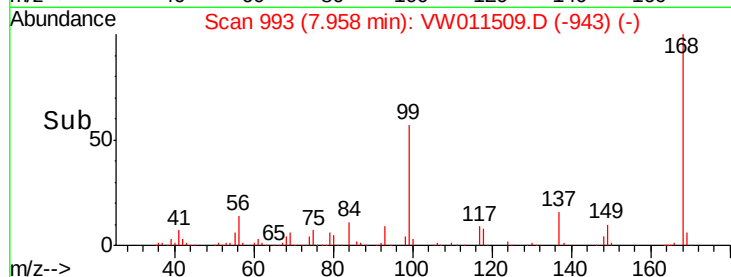
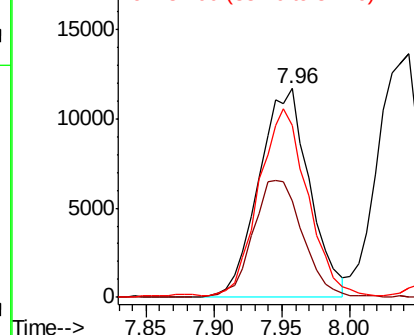
VSTDIC005

Tot Ion: 56 Resp: 30391

Ion	Ratio	Lower	Upper
56	100		
69	46.3	24.3	36.5#
84	81.0	60.4	90.6



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: 4.711 ug/l

RT: 7.87 min Scan# 979

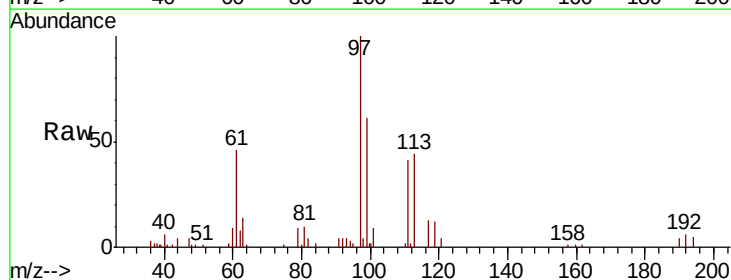
Delta R.T. -0.00 min

Lab File: VW011509.D

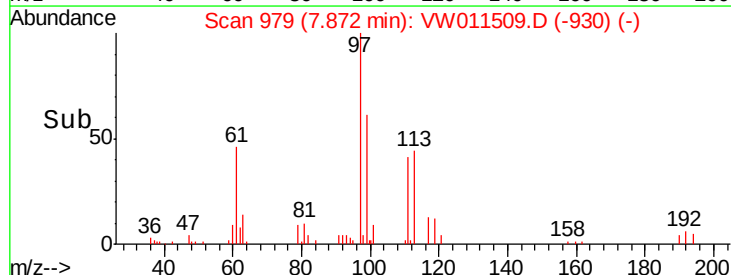
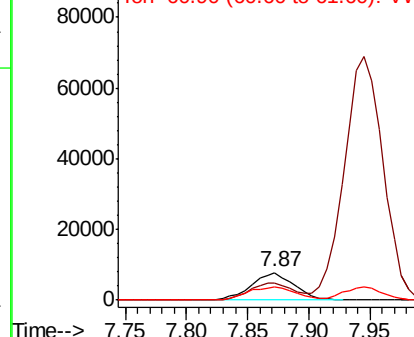
Acq: 26 Jul 2019 11:30

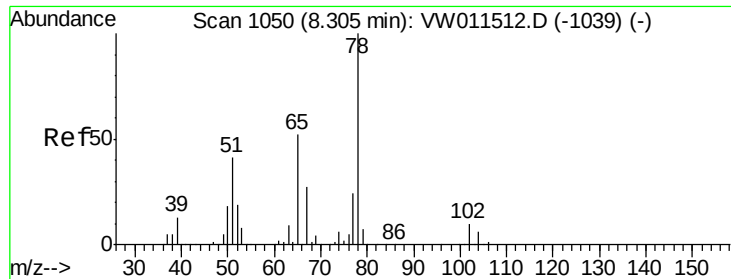
Tgt Ion: 97 Resp: 18890

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.0	76.6
61	53.0	39.8	59.6



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

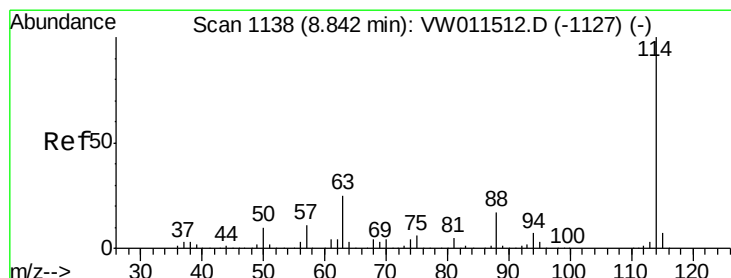
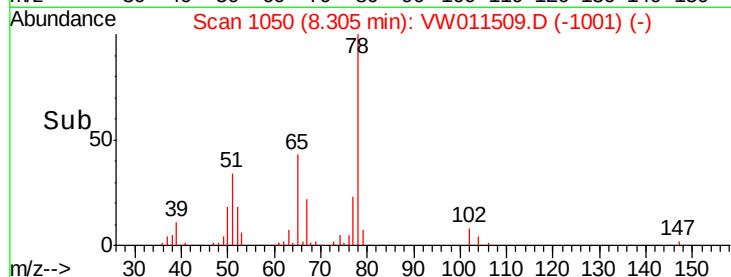
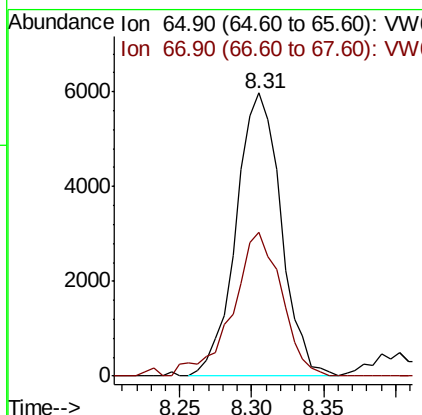
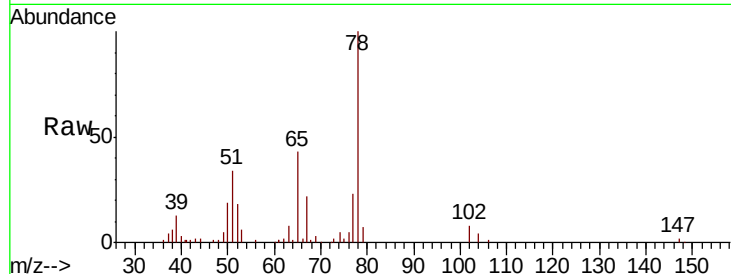




#33
 1,2-Dichloroethane-d4
 Concen: 4.421 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011509.D
 Acq: 26 Jul 2019 11:30

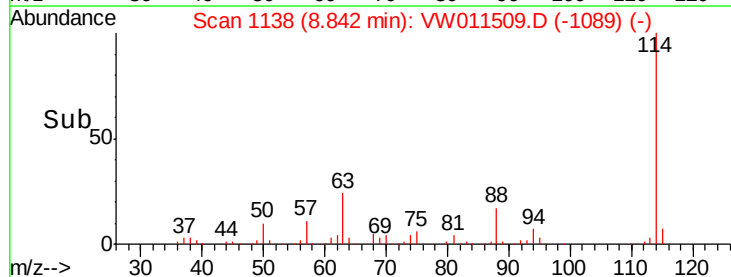
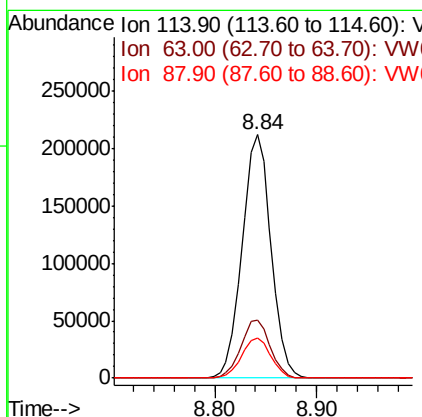
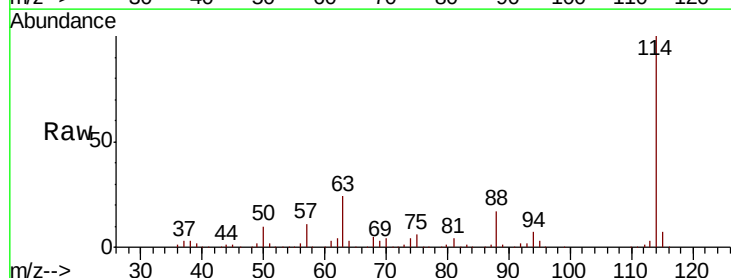
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

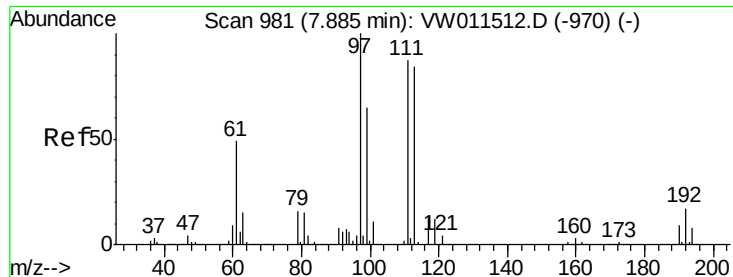
Tot Ion: 65 Resp: 12952
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011509.D
 Acq: 26 Jul 2019 11:30

Tgt Ion: 114 Resp: 416769
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 49.2
 88 16.7 0.0 33.8

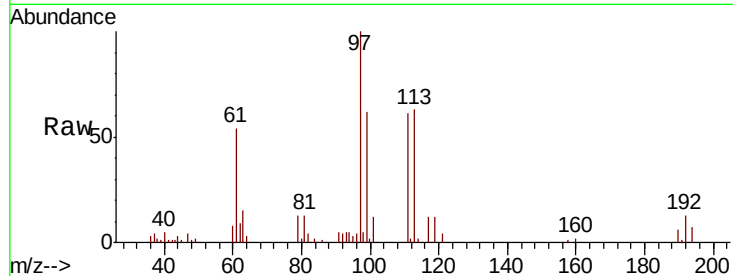




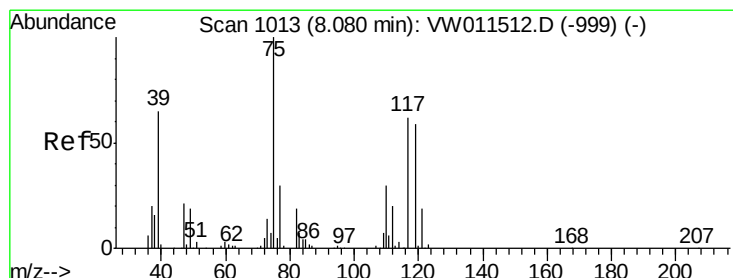
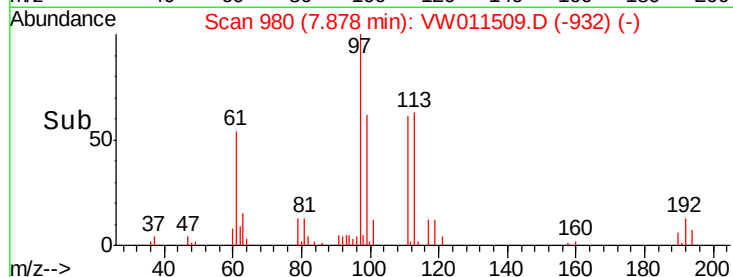
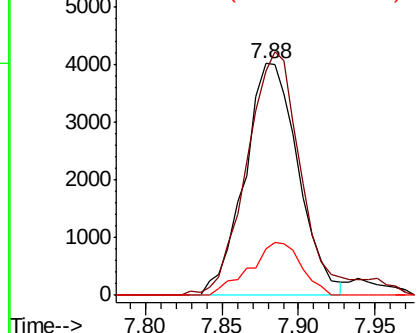
#35
Dibromofluoromethane
Concen: 4.179 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.01 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:113 Resp: 9771
Ion Ratio Lower Upper
113 100
111 109.8 82.7 124.1
192 22.1 16.1 24.1

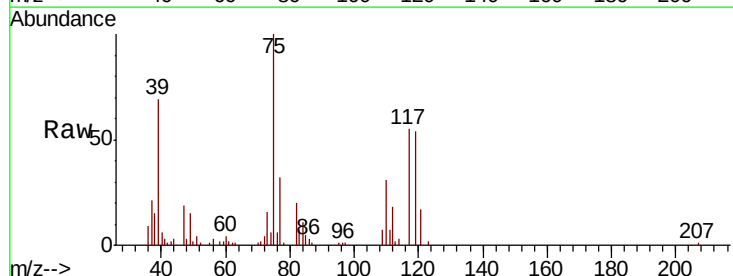


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

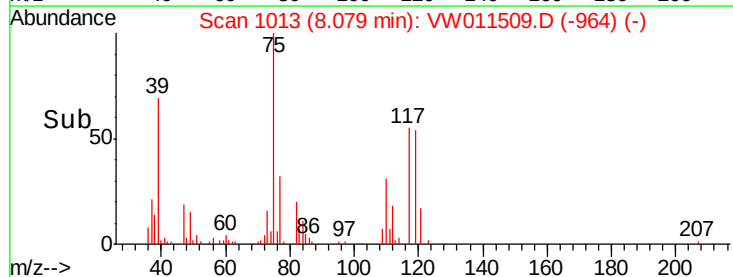
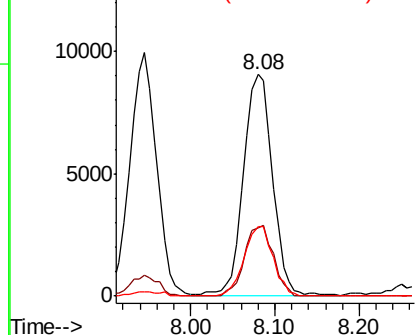


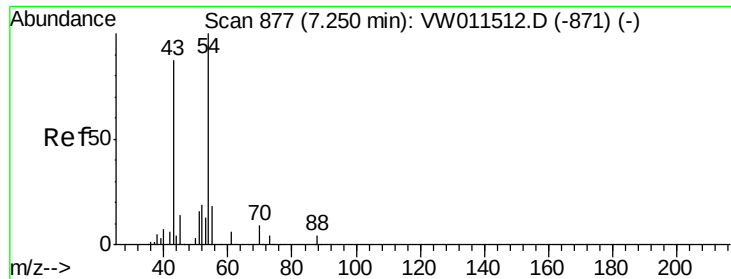
#36
1,1-Dichloropropene
Concen: 4.906 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

Tgt Ion: 75 Resp: 21262
Ion Ratio Lower Upper
75 100
110 31.0 15.6 46.8
77 31.1 24.3 36.5



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW

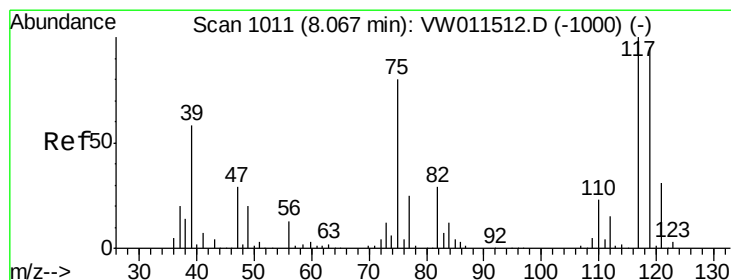
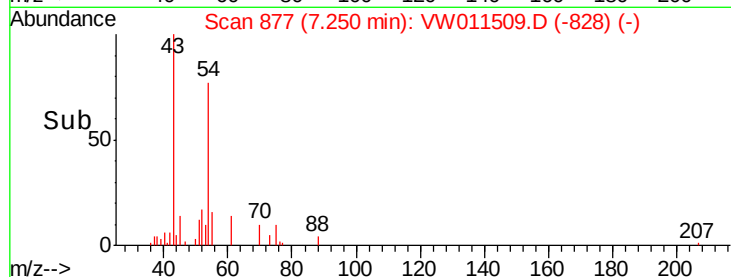
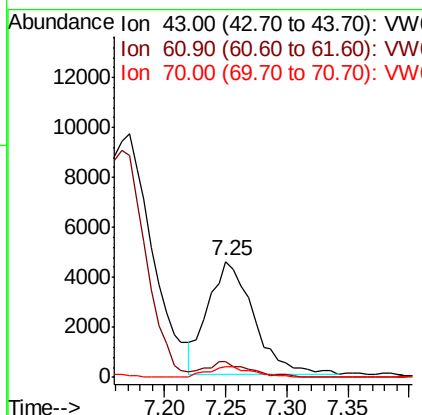
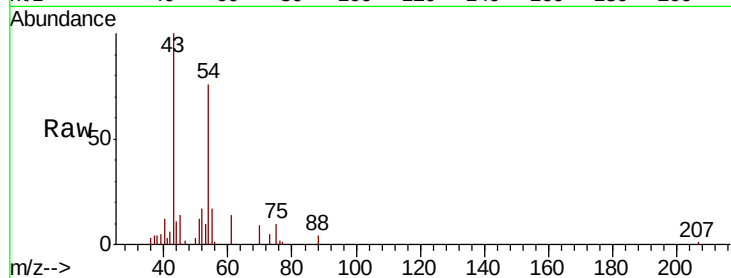




#37
Ethyl Acetate
Concen: 4.765 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

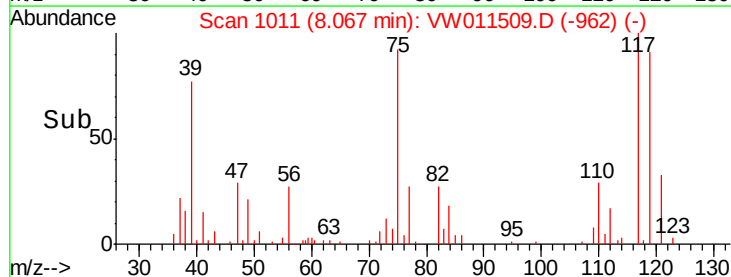
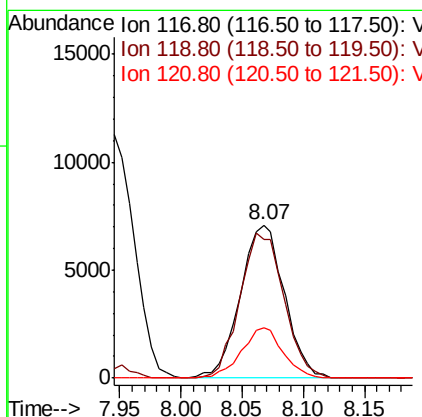
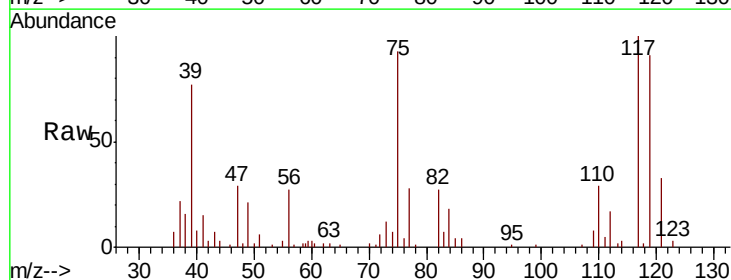
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

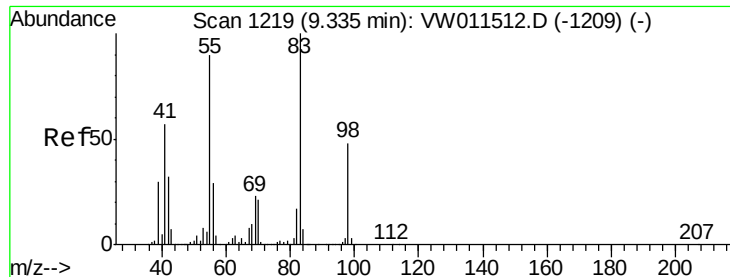
Tot Ion: 43 Resp: 11880
Ion Ratio Lower Upper
43 100
61 13.4 8.8 13.2#
70 9.3 7.1 10.7



#38
Carbon Tetrachloride
Concen: 4.776 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

Tgt Ion: 117 Resp: 17719
Ion Ratio Lower Upper
117 100
119 90.8 75.8 113.6
121 32.8 24.7 37.1

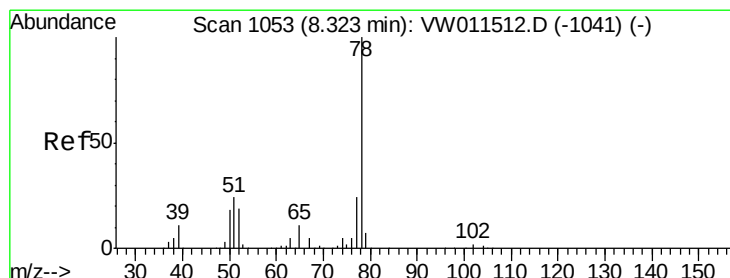
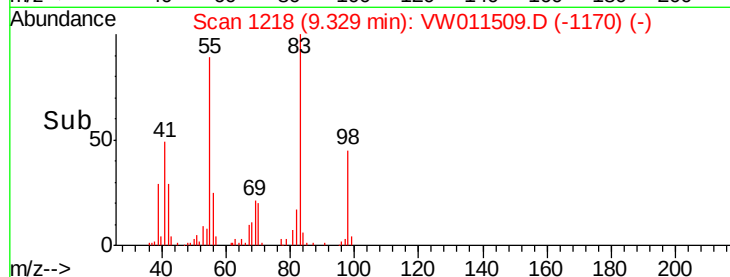
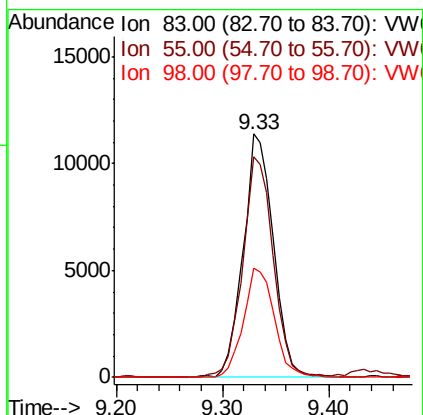
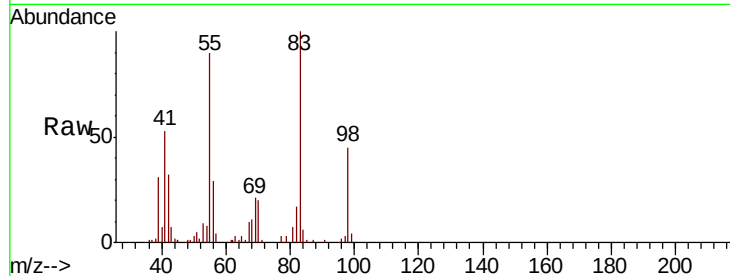




#39
Methylvlcyclohexane
Concen: 4.757 ug/l
RT: 9.33 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

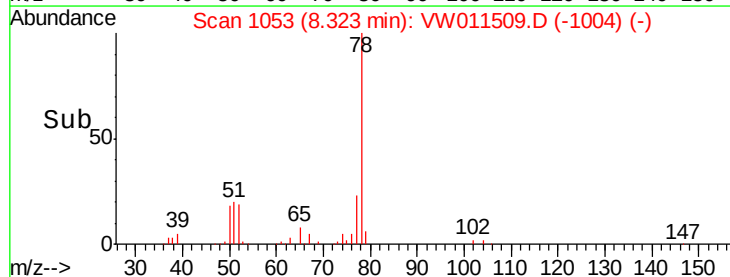
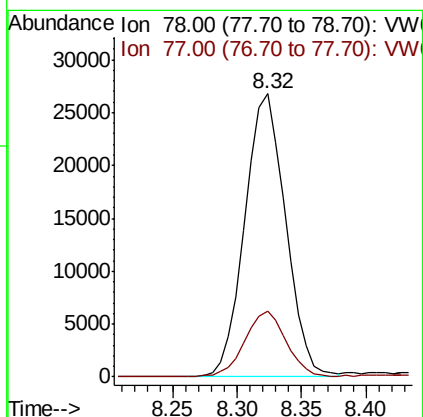
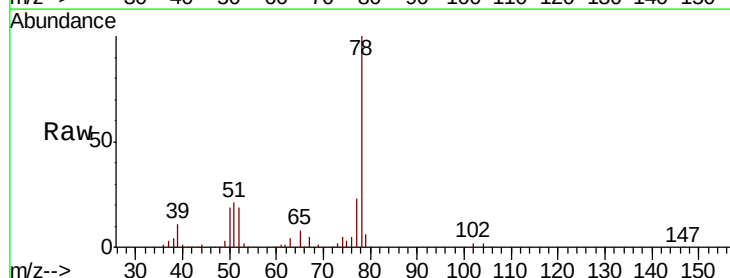
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

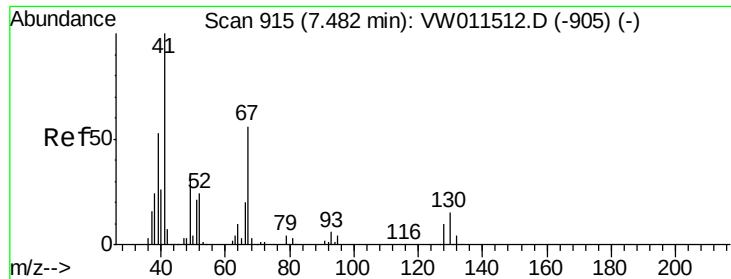
Tot Ion: 83 Resp: 22701
Ion Ratio Lower Upper
83 100
55 90.4 72.1 108.1
98 45.0 38.6 57.8



#40
Benzene
Concen: 4.866 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

Tgt Ion: 78 Resp: 59064
Ion Ratio Lower Upper
78 100
77 23.2 19.4 29.0

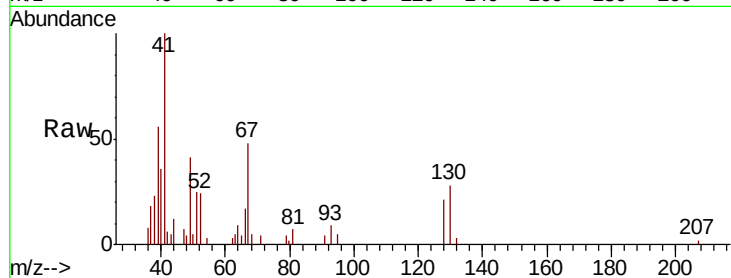




#41
Methacrylonitrile
Concen: 4.213 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	6279
Ion	Ratio	Lower	Upper
41	100		
39	66.3	43.0	64.4#
67	58.2	47.5	71.3
52	30.5	21.0	31.6



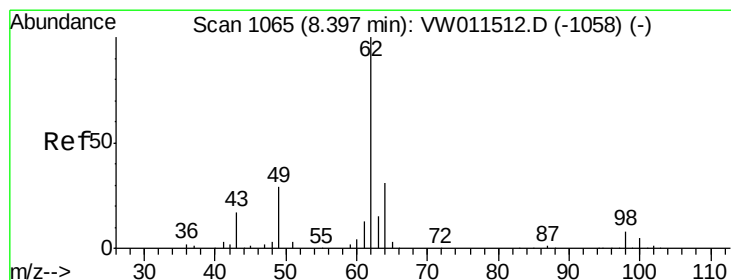
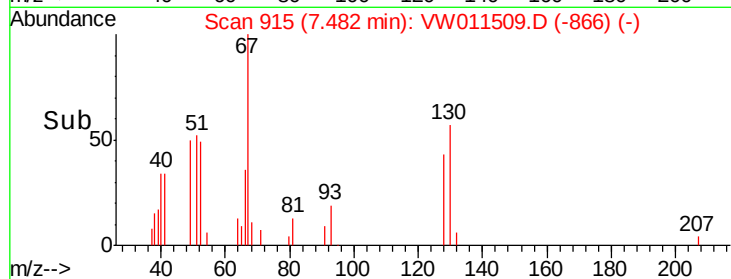
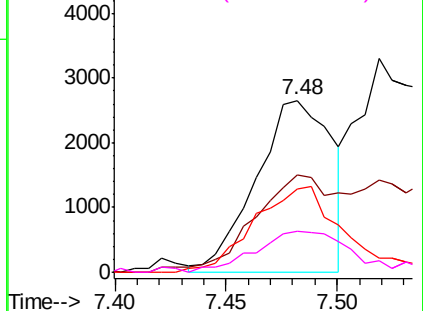
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

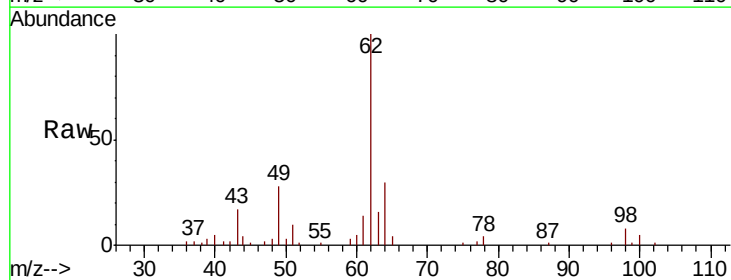
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 4.799 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

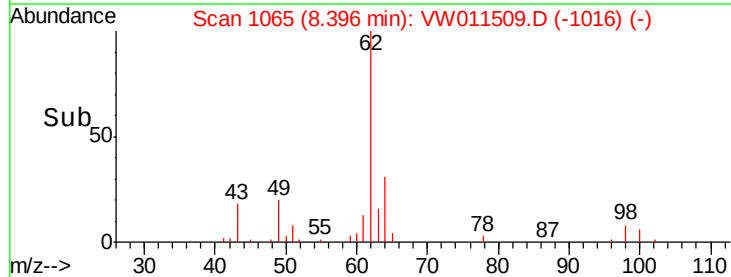
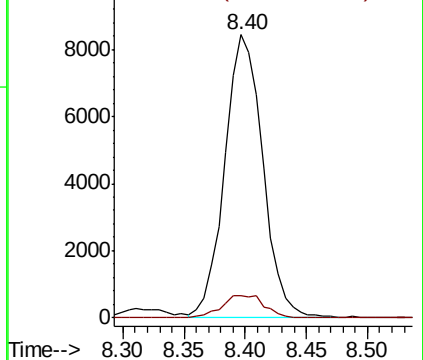
Tgt Ion:	62	Resp:	18239
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	16.8

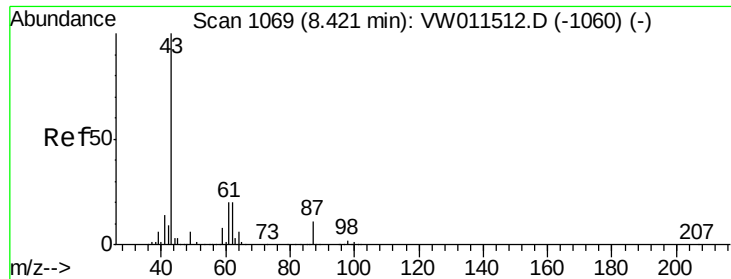


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 4.449 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

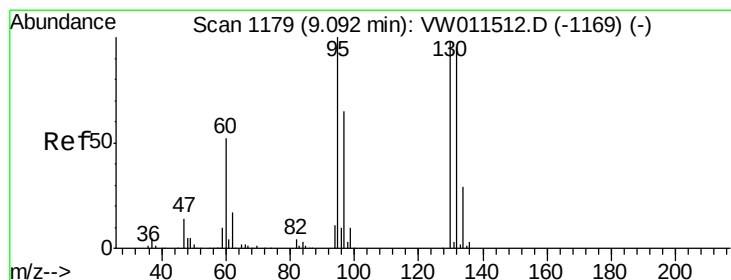
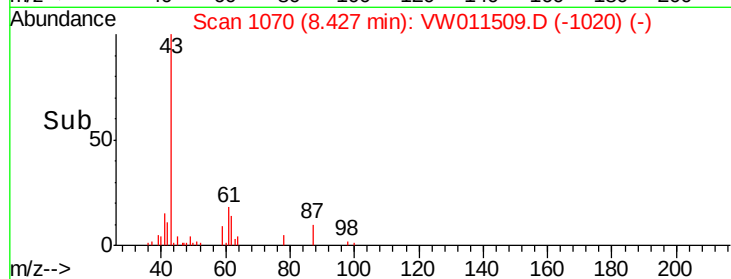
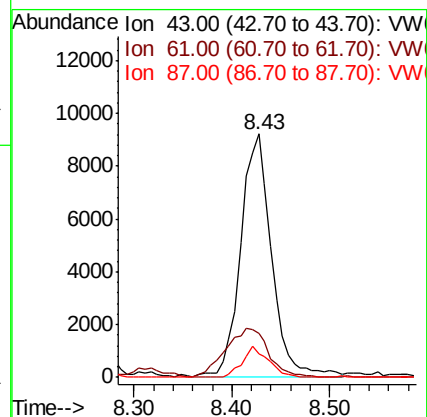
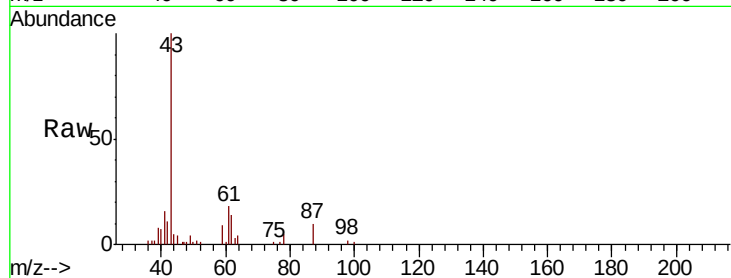
Tot Ion: 43 Resp: 20399

Ion Ratio Lower Upper

43 100

61 27.5 21.5 32.3

87 10.6 8.4 12.6



#44

Trichloroethene

Concen: 4.807 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW011509.D

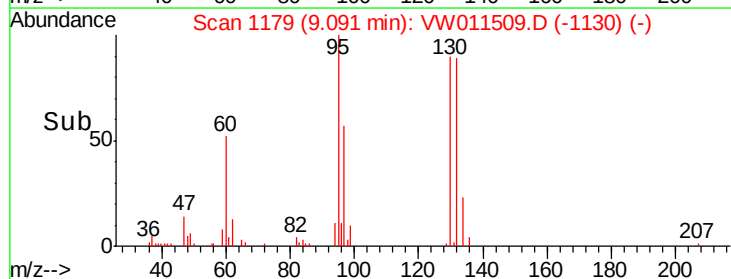
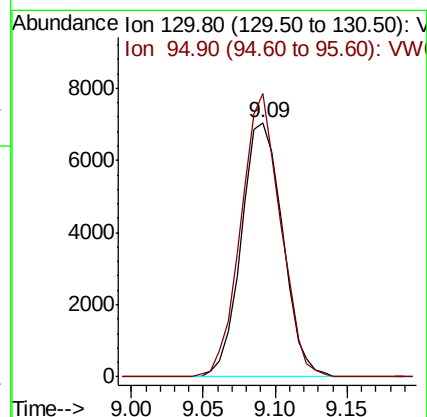
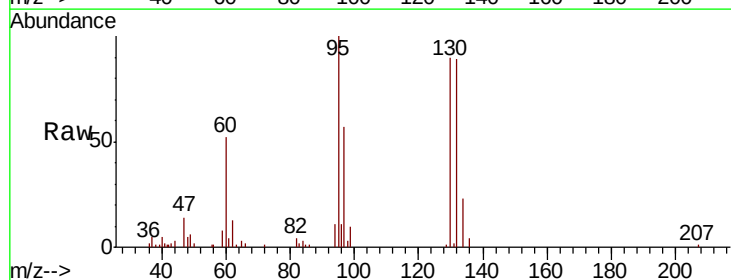
Acq: 26 Jul 2019 11:30

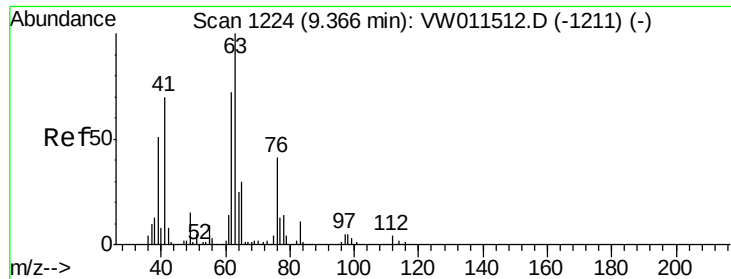
Tgt Ion: 130 Resp: 14025

Ion Ratio Lower Upper

130 100

95 111.3 0.0 204.8





#45

1,2-Dichloropropane

Concen: 4.639 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

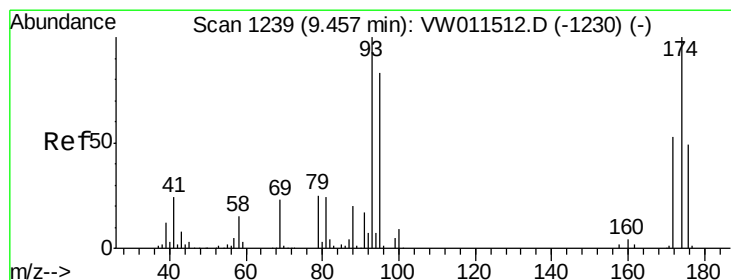
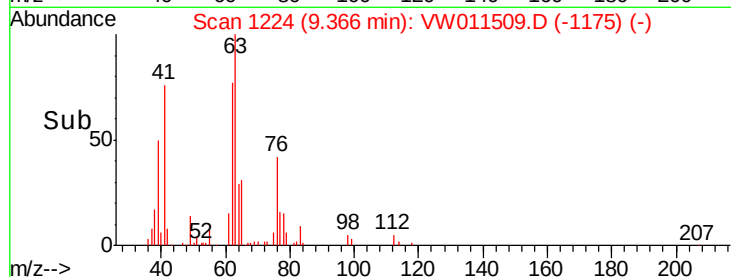
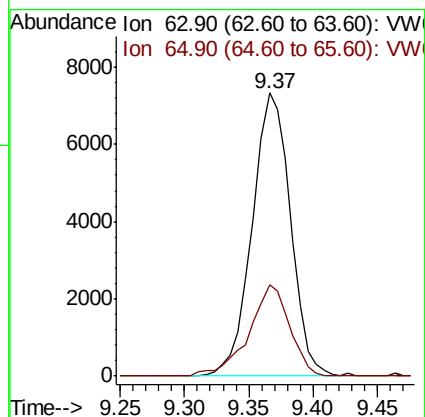
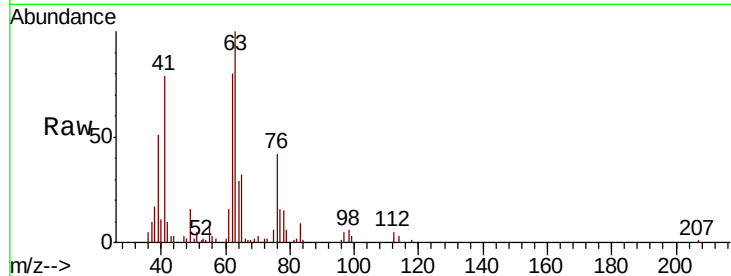
VSTDIC005

Tot Ion: 63 Resp: 15067

Ion Ratio Lower Upper

63 100

65 32.1 24.2 36.4



#46

Dibromomethane

Concen: 4.805 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

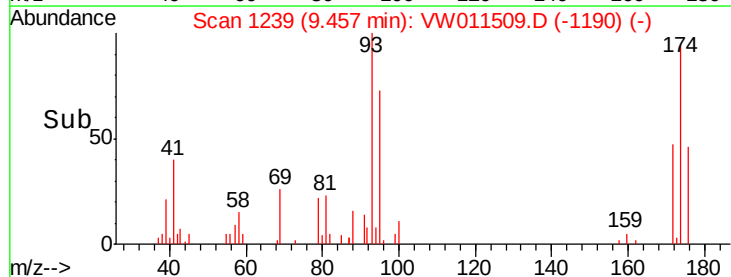
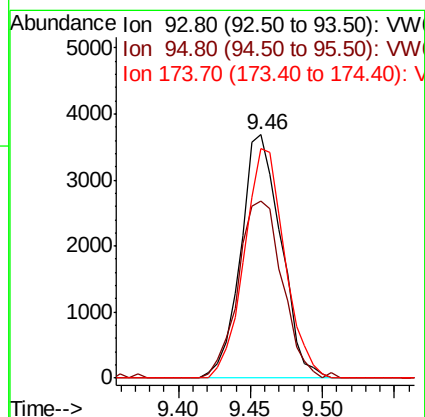
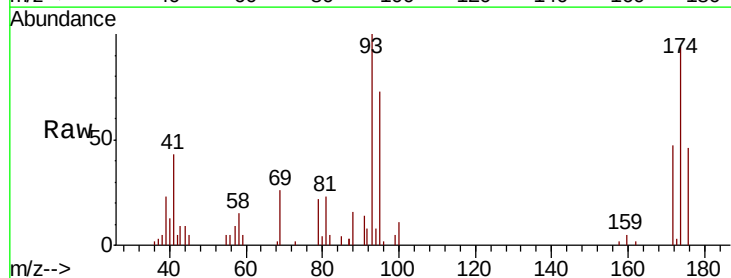
Tgt Ion: 93 Resp: 7123

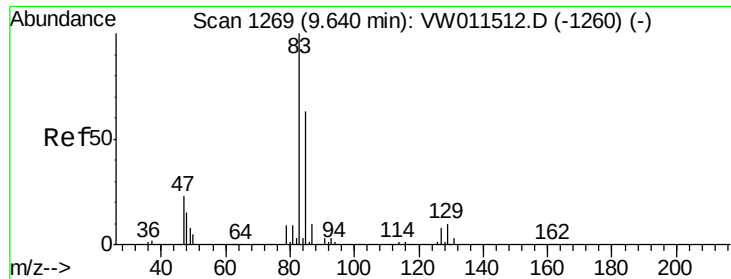
Ion Ratio Lower Upper

93 100

95 80.4 66.2 99.2

174 94.9 78.2 117.4





#47

Bromodichloromethane

Concen: 4.611 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

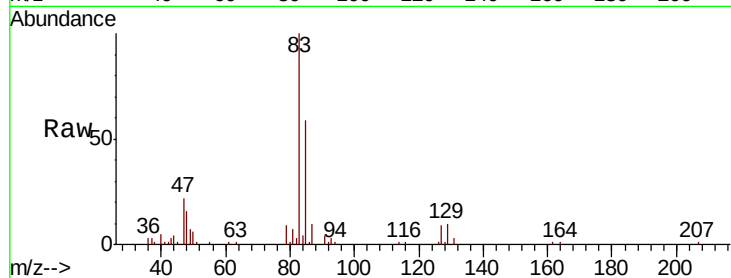
Tot Ion: 83 Resp: 17932

Ion Ratio Lower Upper

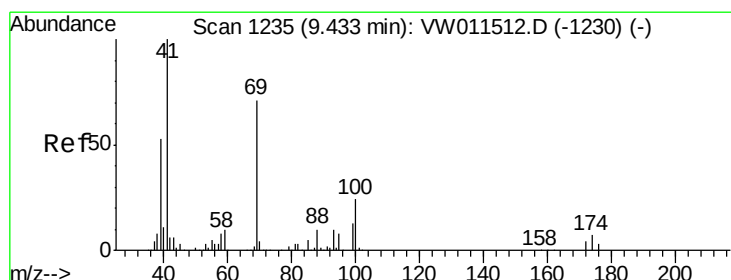
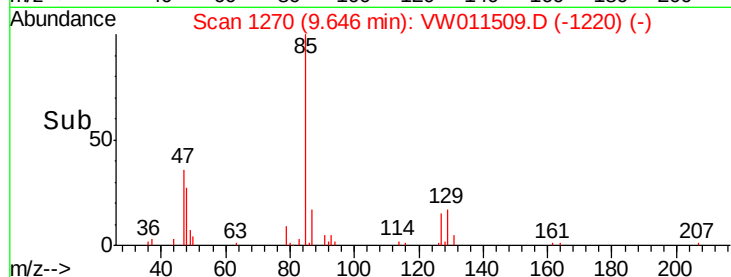
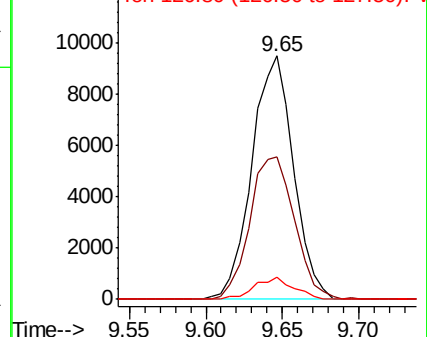
83 100

85 58.6 50.5 75.7

127 8.9 6.4 9.6



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: 4.309 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

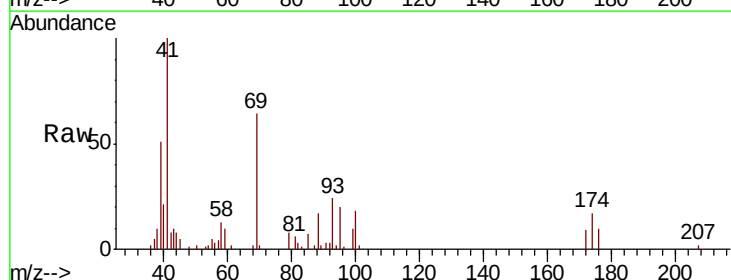
Tgt Ion: 41 Resp: 9492

Ion Ratio Lower Upper

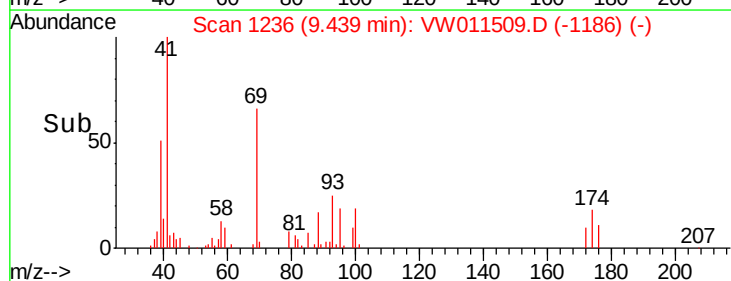
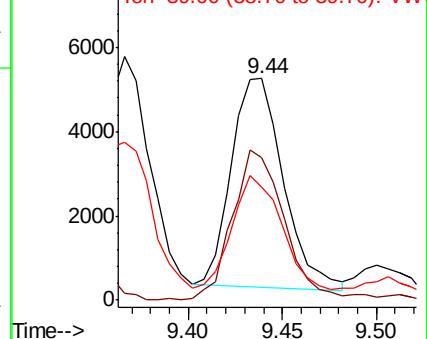
41 100

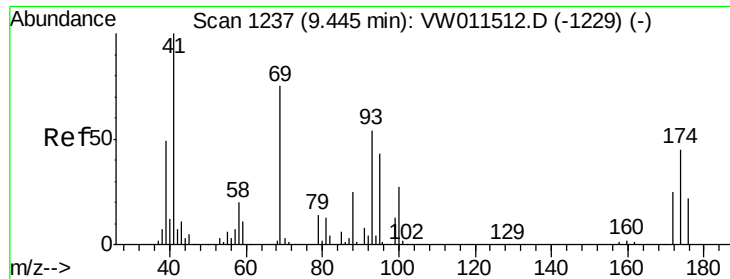
69 72.5 57.1 85.7

39 62.7 45.4 68.2



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: 92.991 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

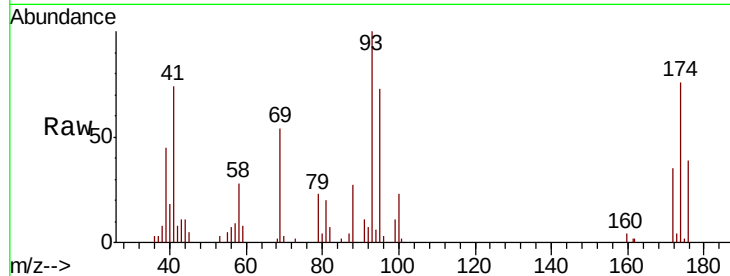
Tot Ion: 88 Resp: 1996

Ion Ratio Lower Upper

88 100

43 46.0 34.0 51.0

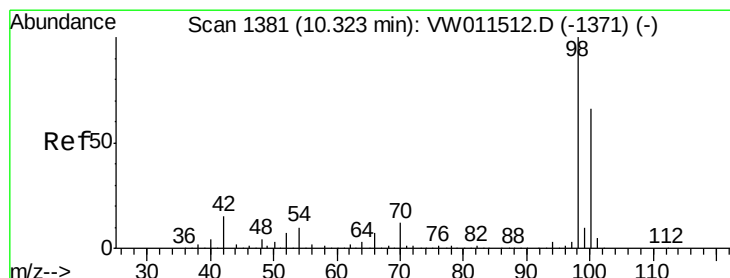
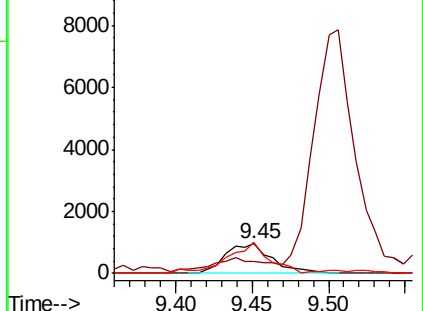
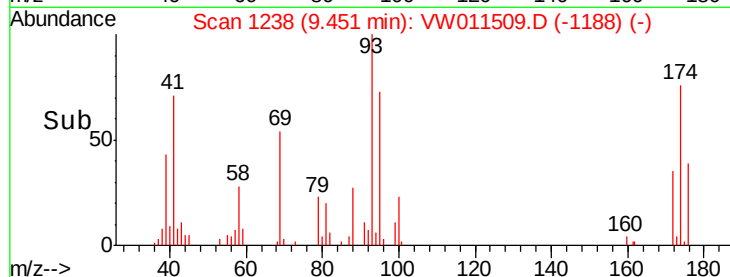
58 96.0 69.7 104.5



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 4.252 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011509.D

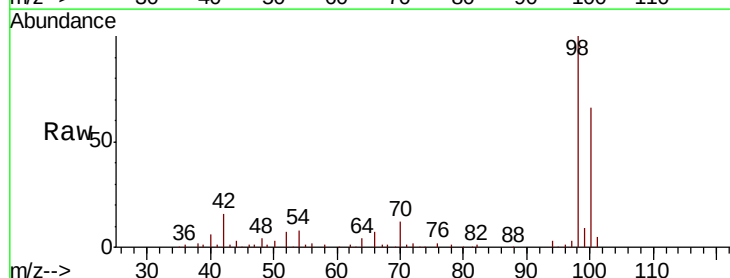
Acq: 26 Jul 2019 11:30

Tgt Ion: 98 Resp: 40708

Ion Ratio Lower Upper

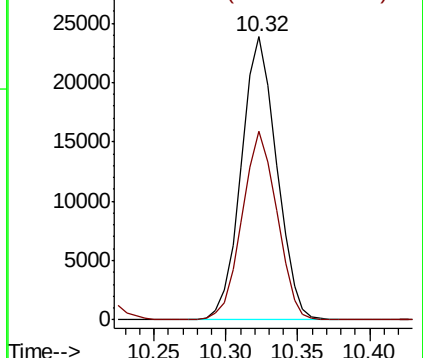
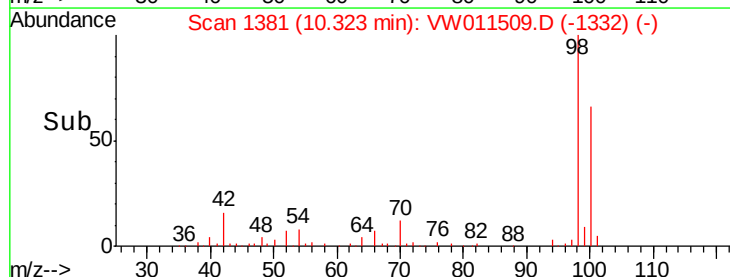
98 100

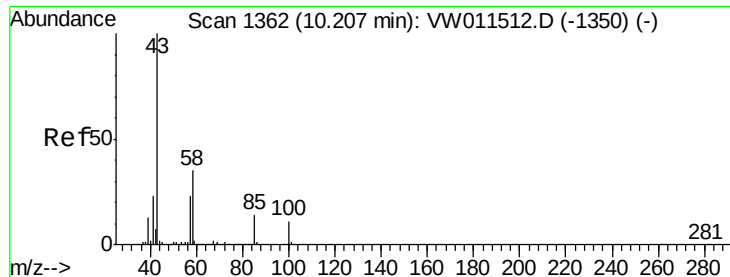
100 65.6 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 22.189 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

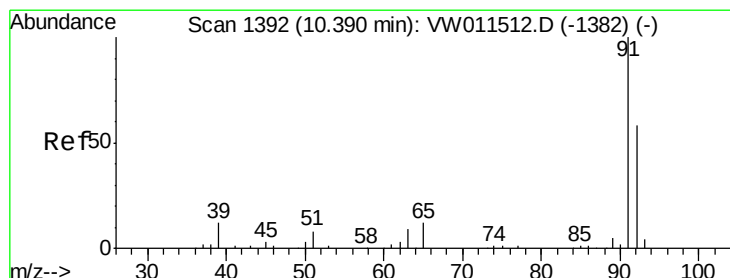
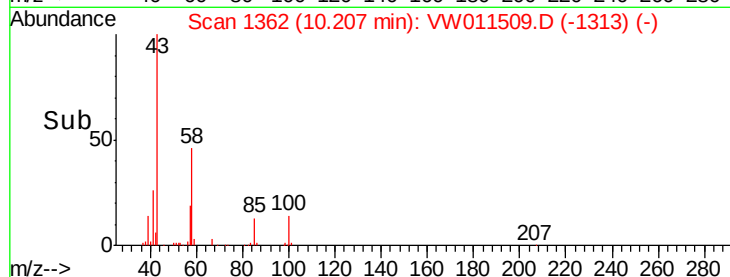
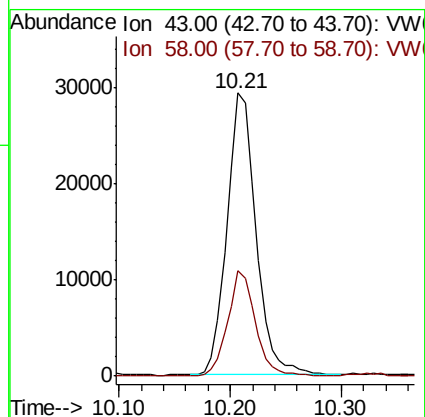
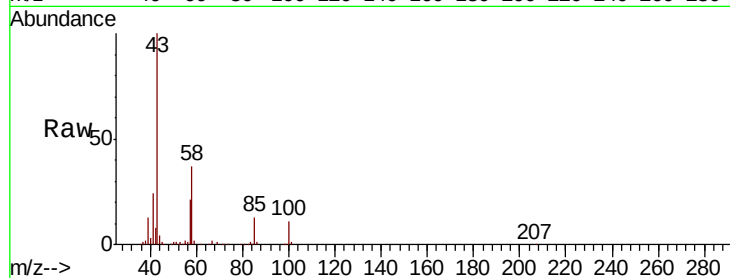
VSTDIC005

Tot Ion: 43 Resp: 52921

Ion Ratio Lower Upper

43 100

58 35.8 28.2 42.2



#52

Toluene

Concen: 4.689 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW011509.D

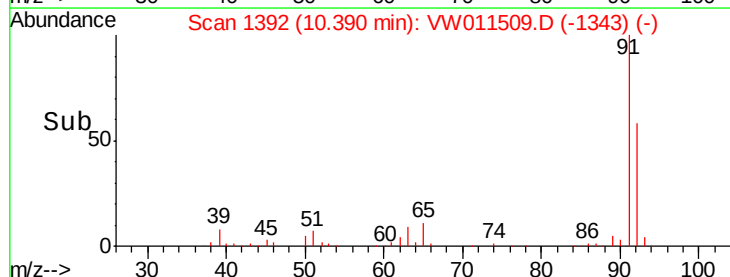
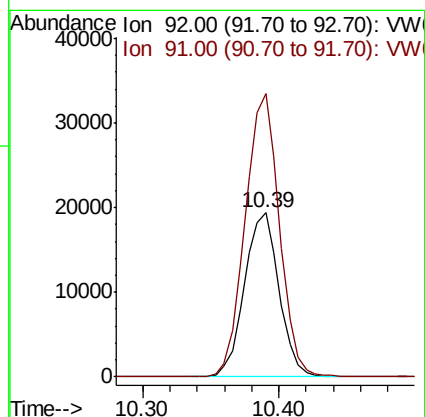
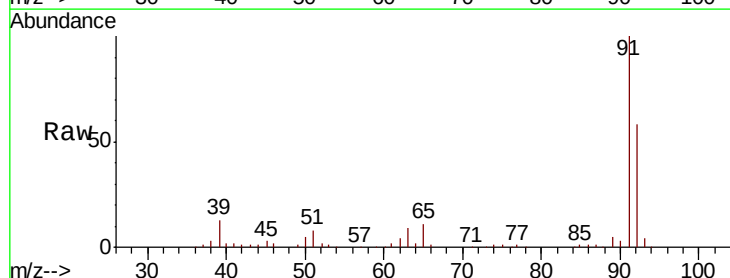
Acq: 26 Jul 2019 11:30

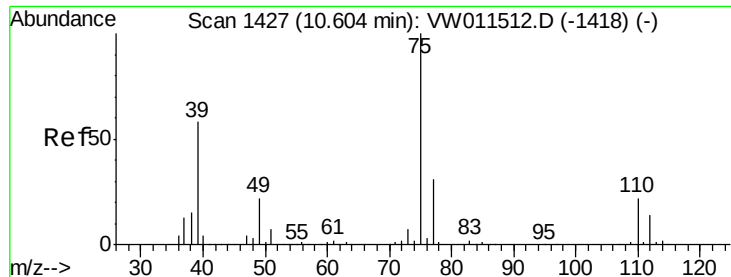
Tgt Ion: 92 Resp: 34374

Ion Ratio Lower Upper

92 100

91 171.5 136.7 205.1





#53

t-1,3-Dichloropropene

Concen: 4.379 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

Instrument :

MSVOA_W

ClientSampled :

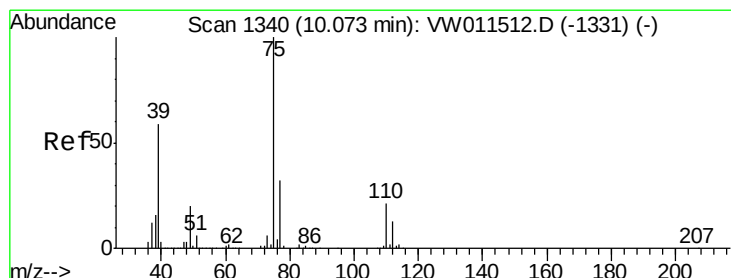
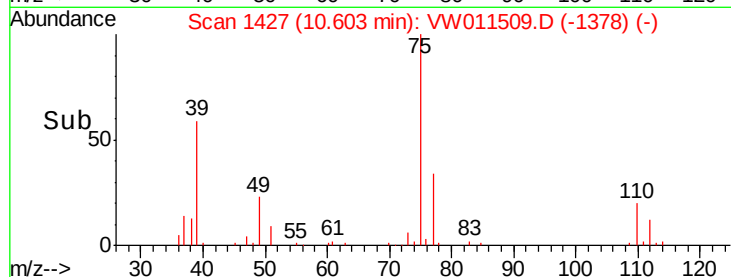
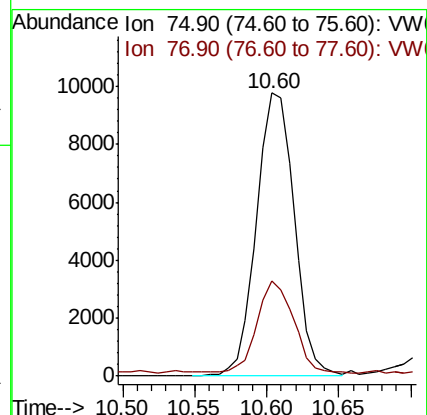
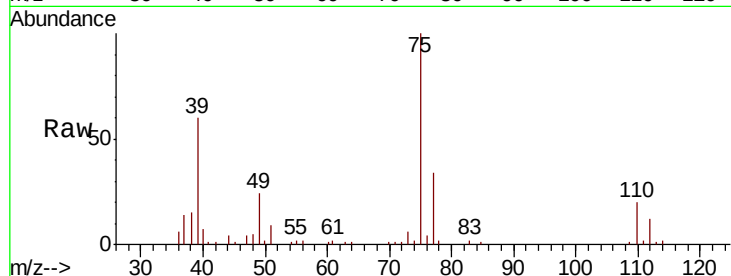
VSTDIC005

Tot Ion: 75 Resp: 17789

Ion Ratio Lower Upper

75 100

77 32.3 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 4.300 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

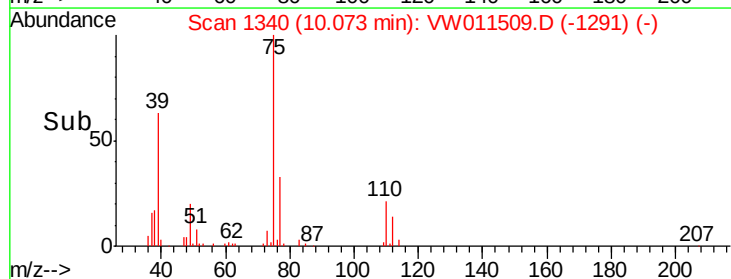
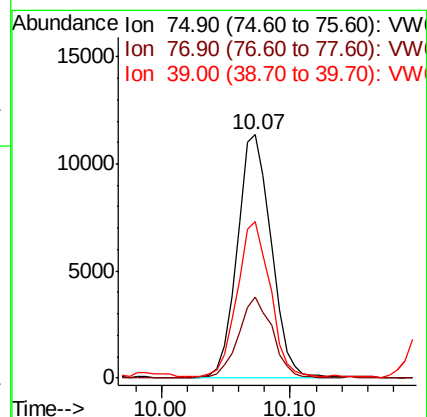
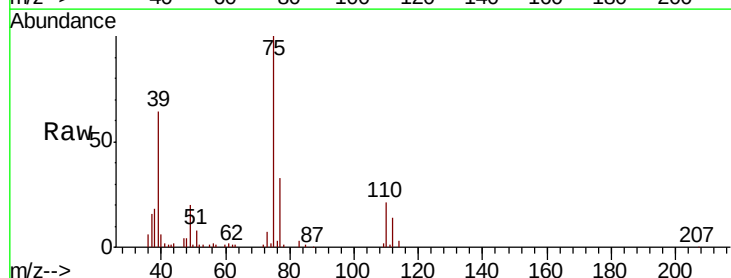
Tgt Ion: 75 Resp: 20768

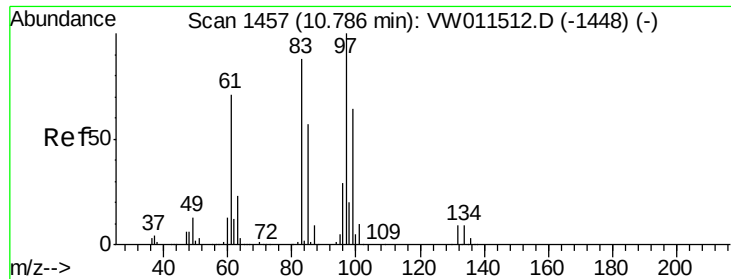
Ion Ratio Lower Upper

75 100

77 33.2 25.6 38.4

39 63.6 47.0 70.4

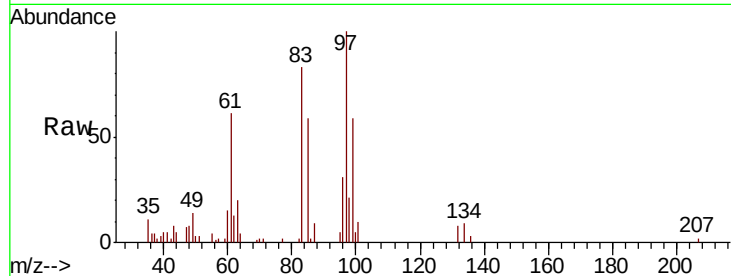




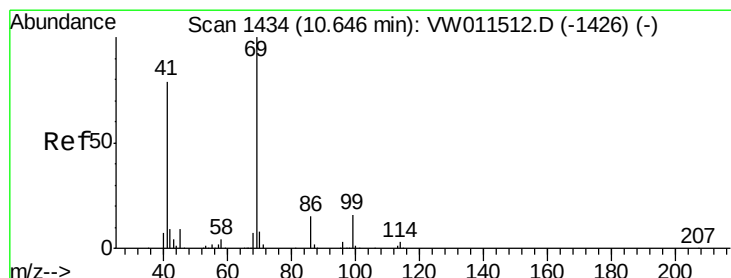
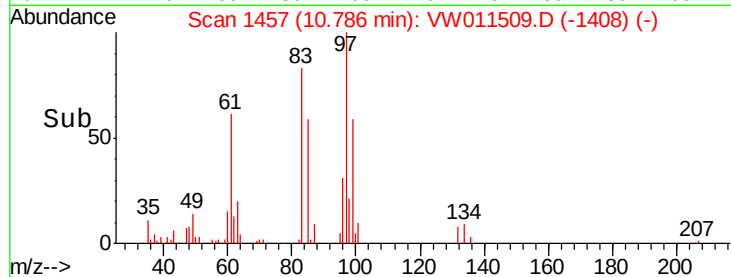
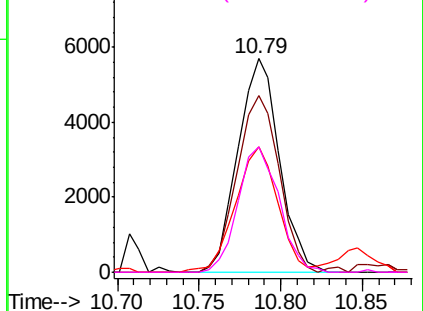
#55
 1,1,2-Trichloroethane
 Concen: 4.801 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011509.D
 Acq: 26 Jul 2019 11:30

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

Tot Ion:	97	Resp:	10098
Ion	Ratio	Lower	Upper
97	100		
83	82.8	70.5	105.7
85	57.9	45.8	68.6
99	58.7	51.0	76.4

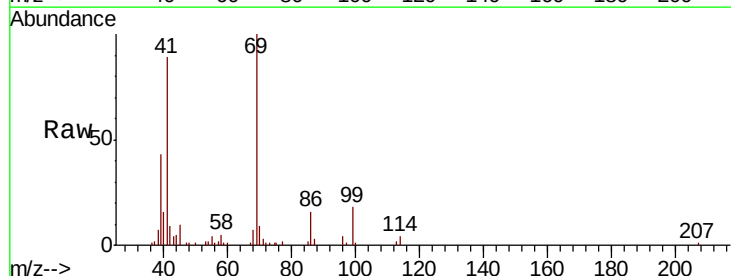


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

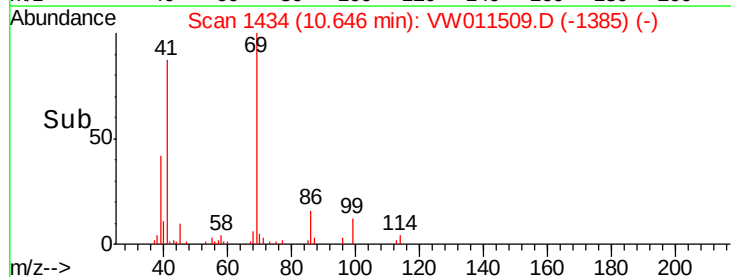
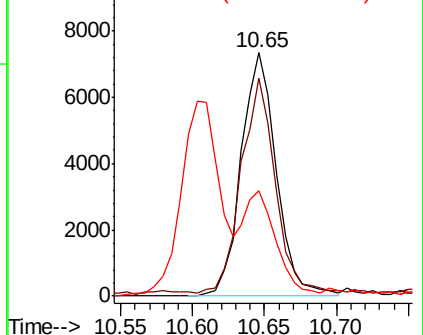


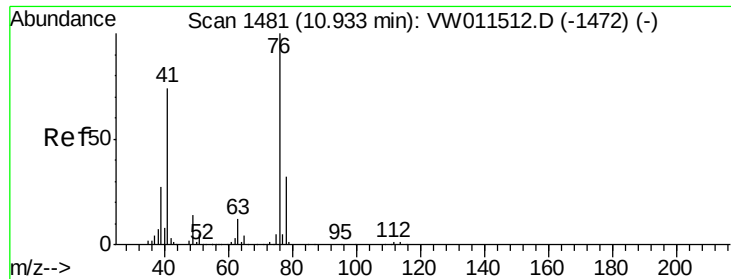
#56
 Ethyl methacrylate
 Concen: 4.034 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW011509.D
 Acq: 26 Jul 2019 11:30

Tgt Ion:	69	Resp:	12415
Ion	Ratio	Lower	Upper
69	100		
41	85.9	66.6	99.8
39	38.8	30.3	45.5



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





#57

1,3-Dichloropropane

Concen: 4.582 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

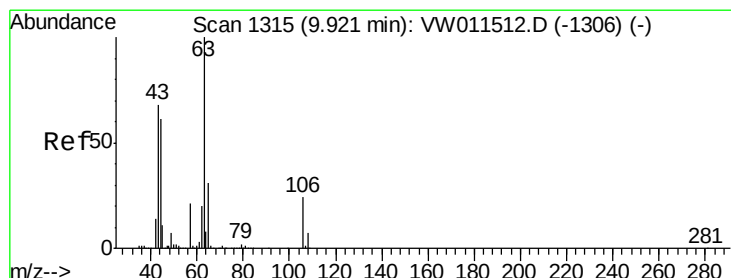
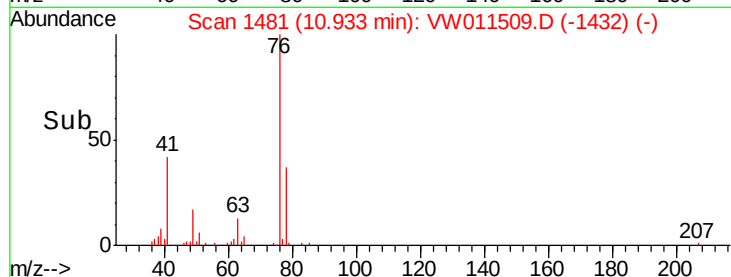
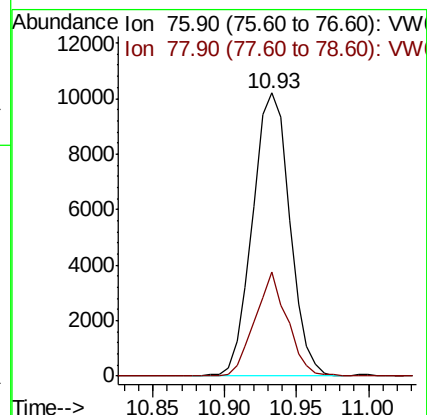
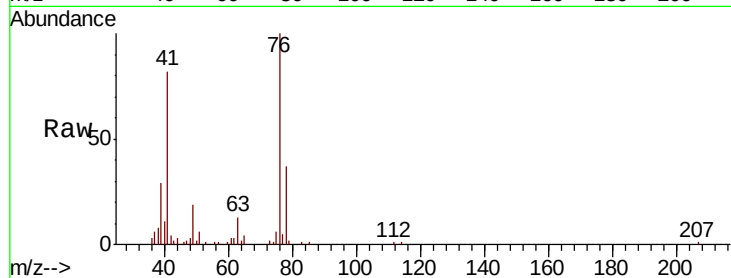
VSTDIC005

Tot Ion: 76 Resp: 18234

Ion Ratio Lower Upper

76 100

78 32.0 25.2 37.8



#58

2-Chloroethyl Vinyl ether

Concen: 15.646 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VW011509.D

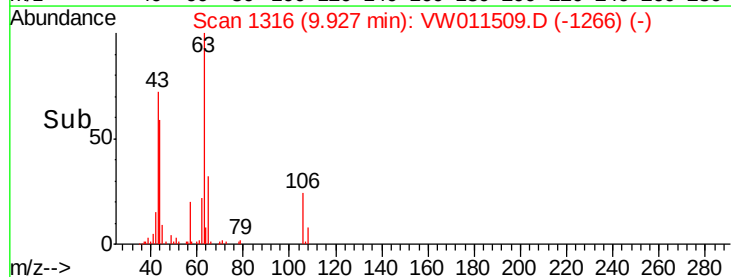
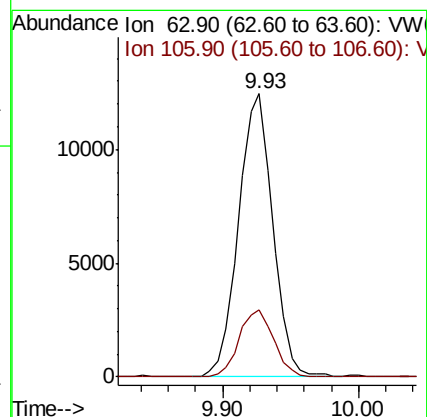
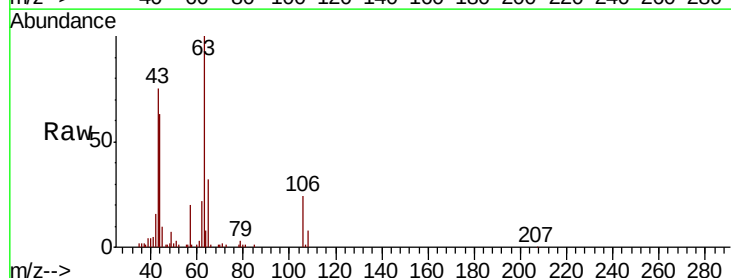
Acq: 26 Jul 2019 11:30

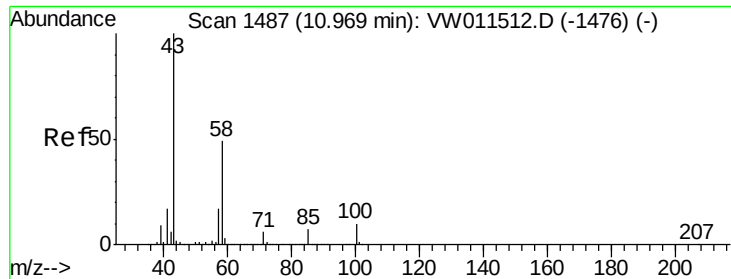
Tgt Ion: 63 Resp: 21864

Ion Ratio Lower Upper

63 100

106 23.8 19.7 29.5

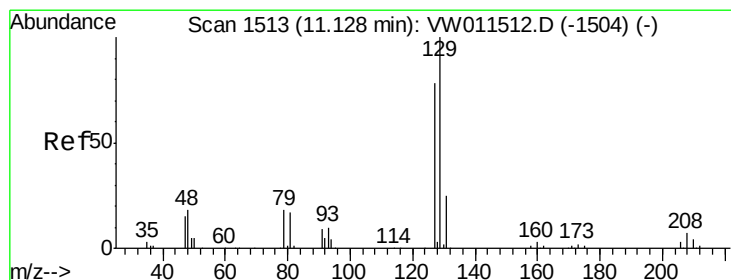
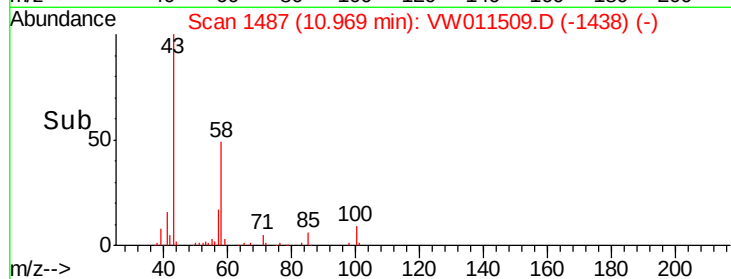
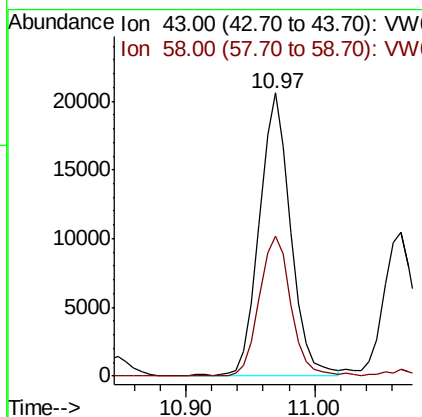
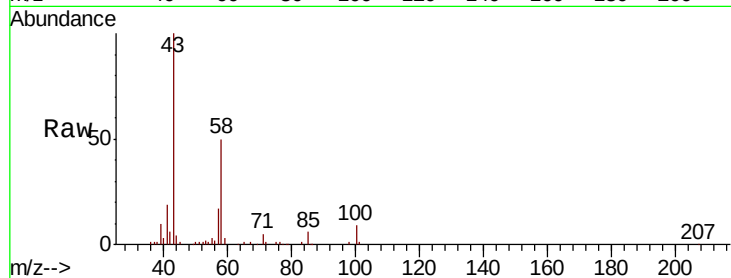




#59
2-Hexanone
Concen: 20.537 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

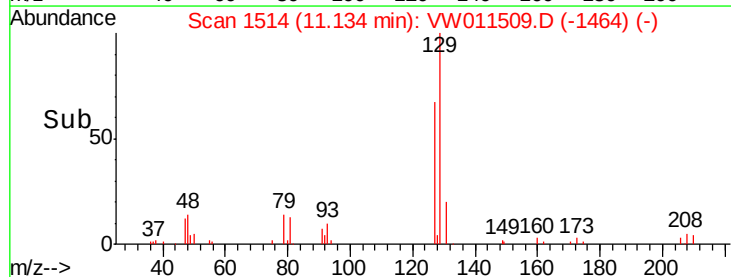
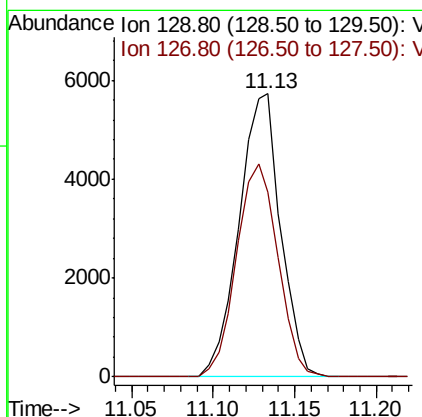
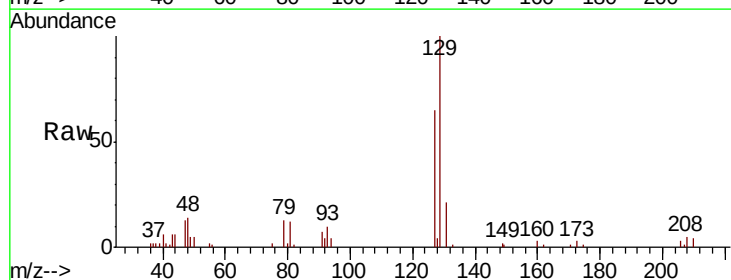
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

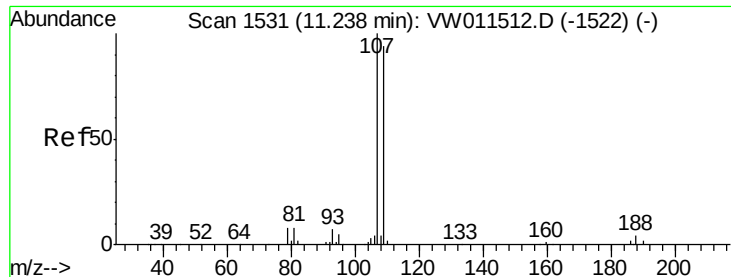
Tot Ion: 43 Resp: 34584
Ion Ratio Lower Upper
43 100
58 50.1 24.3 72.9



#60
Dibromochloromethane
Concen: 4.360 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

Tgt Ion: 129 Resp: 10179
Ion Ratio Lower Upper
129 100
127 74.9 38.9 116.7

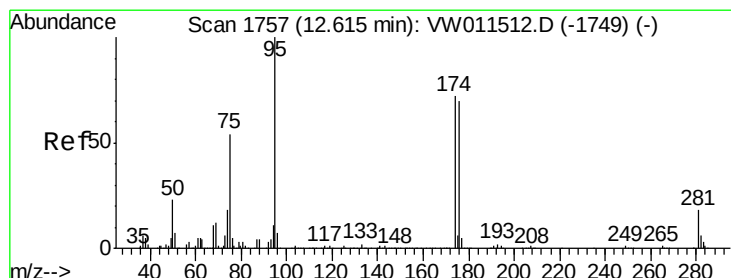
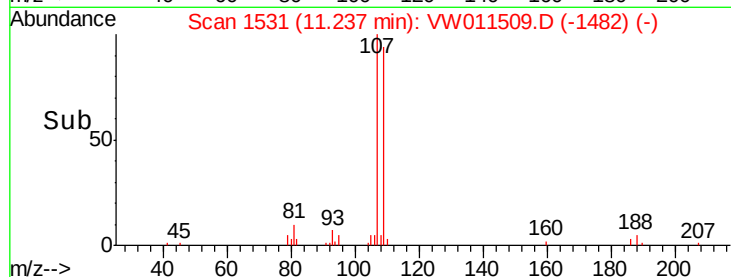
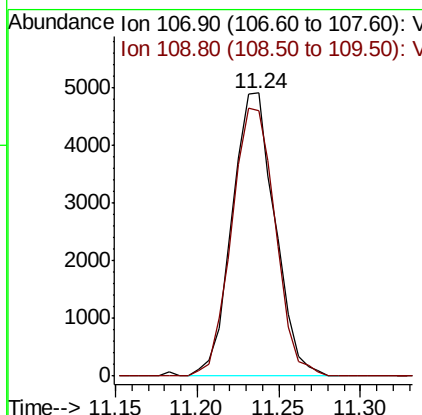
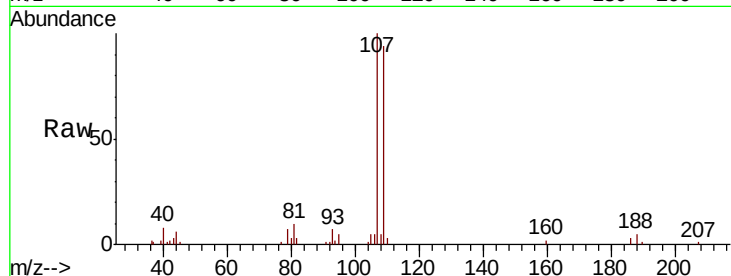




#61
 1,2-Dibromoethane
 Concen: 4.514 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW011509.D
 Acq: 26 Jul 2019 11:30

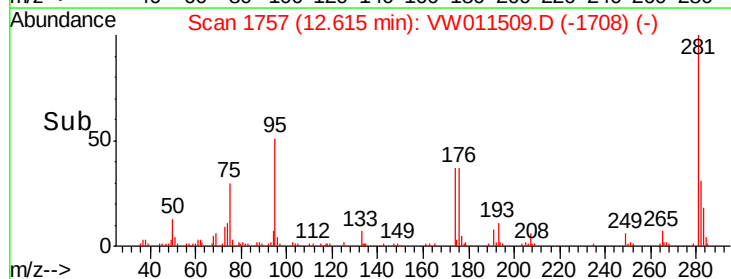
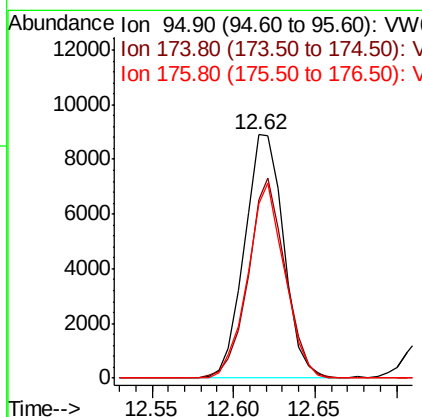
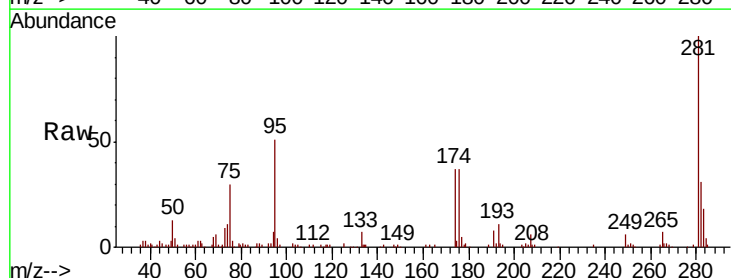
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

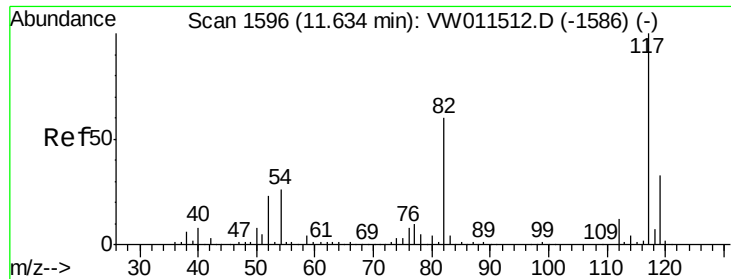
Tot Ion:107 Resp: 8985
 Ion Ratio Lower Upper
 107 100
 109 96.3 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 4.357 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW011509.D
 Acq: 26 Jul 2019 11:30

Tgt Ion: 95 Resp: 14869
 Ion Ratio Lower Upper
 95 100
 174 77.4 0.0 150.2
 176 75.3 0.0 144.4

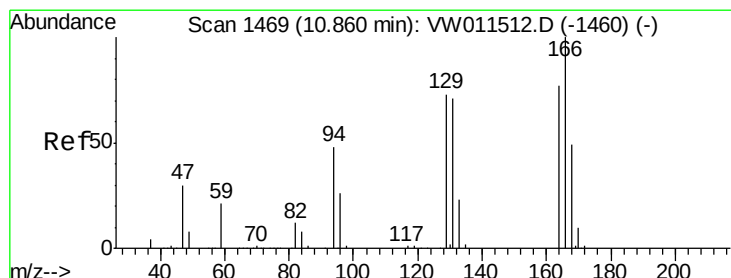
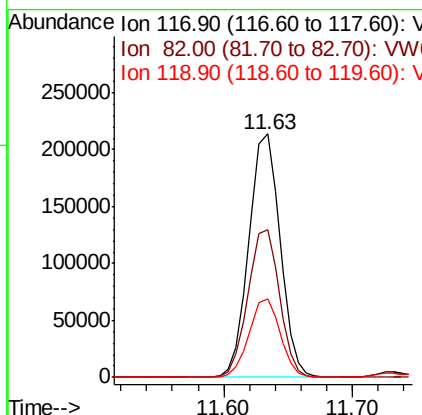
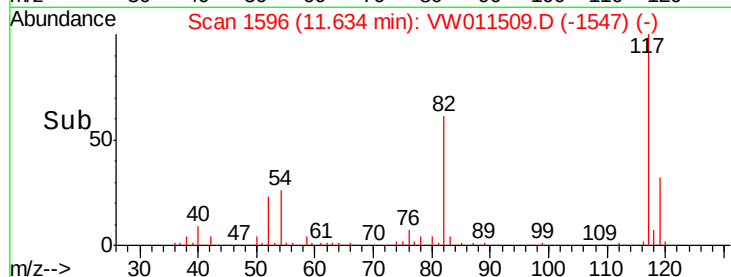
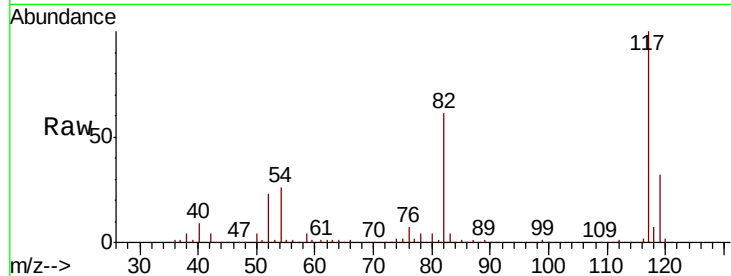




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

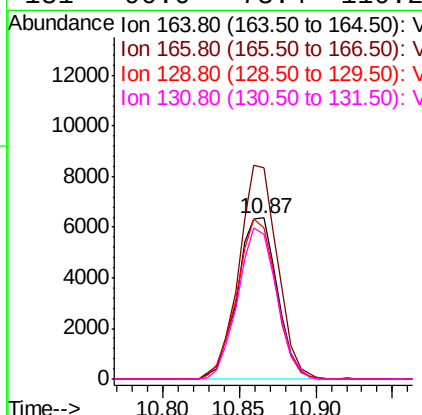
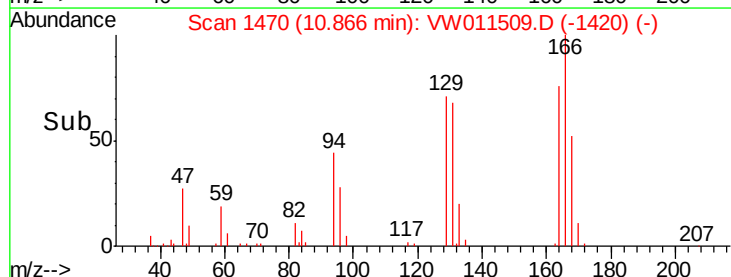
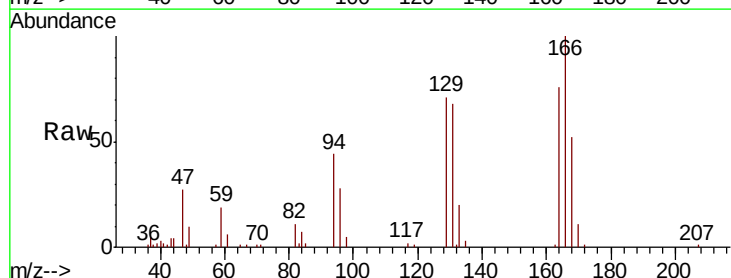
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

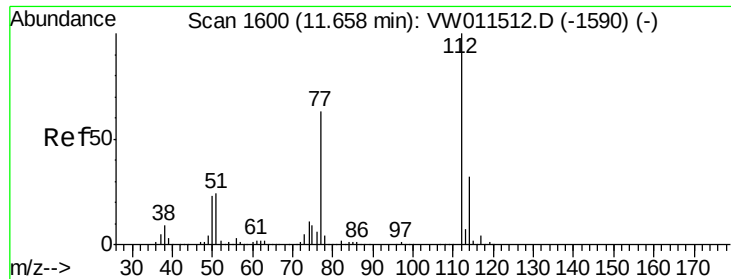
Tot Ion:117 Resp: 358712
Ion Ratio Lower Upper
117 100
82 60.9 47.9 71.9
119 32.2 26.2 39.2



#64
Tetrachloroethene
Concen: 4.963 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

Tgt Ion:164 Resp: 11592
Ion Ratio Lower Upper
164 100
166 131.8 103.5 155.3
129 93.9 75.2 112.8
131 90.0 73.4 110.2

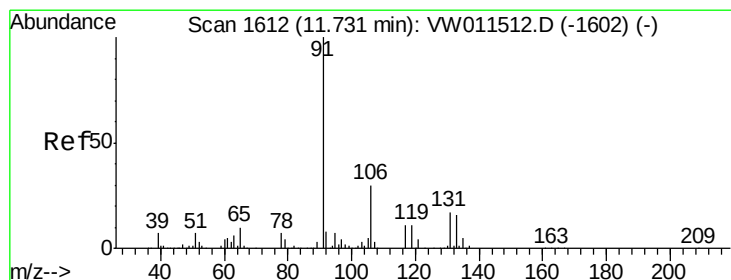
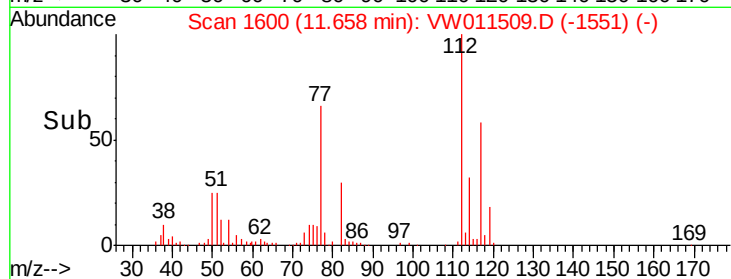
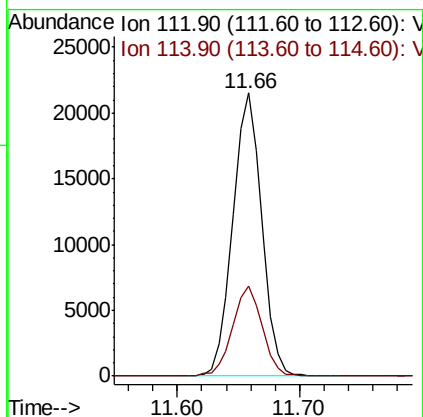
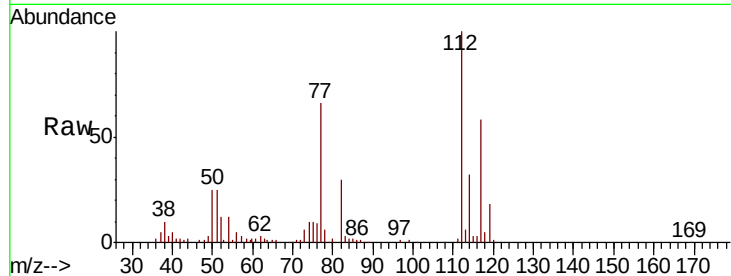




#65
Chlorobenzene
Concen: 4.875 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

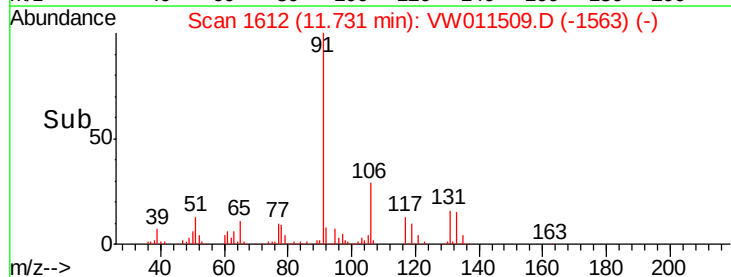
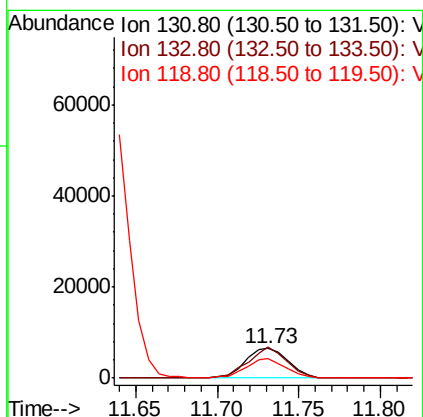
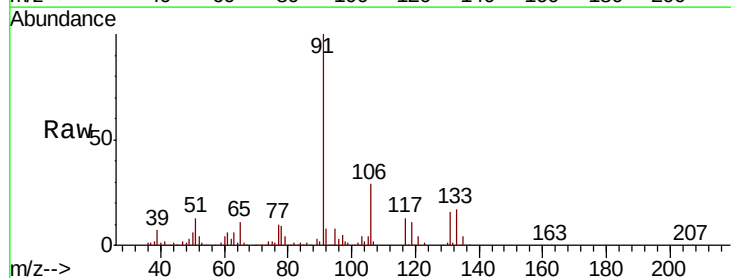
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

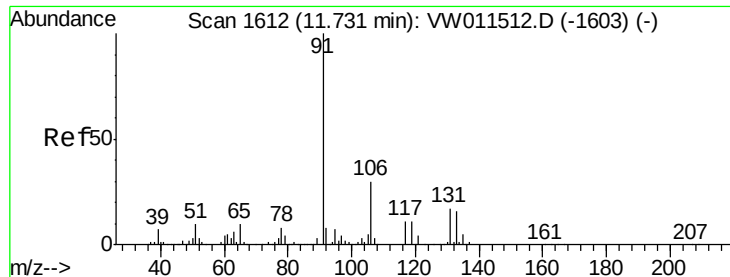
Tot Ion:112 Resp: 35158
Ion Ratio Lower Upper
112 100
114 31.6 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 4.715 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

Tgt Ion:131 Resp: 11844
Ion Ratio Lower Upper
131 100
133 93.2 47.4 142.2
119 62.5 32.3 96.9





#67

Ethyl Benzene

Concen: 4.708 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

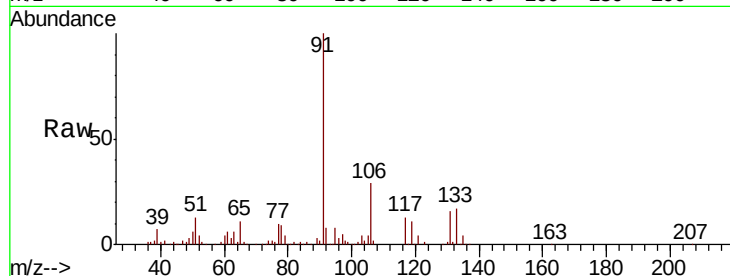
VSTDIC005

Tot Ion: 91 Resp: 64668

Ion Ratio Lower Upper

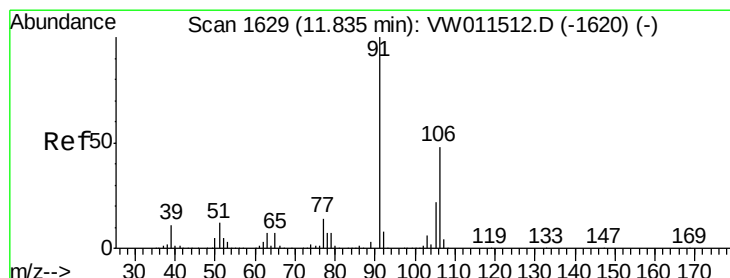
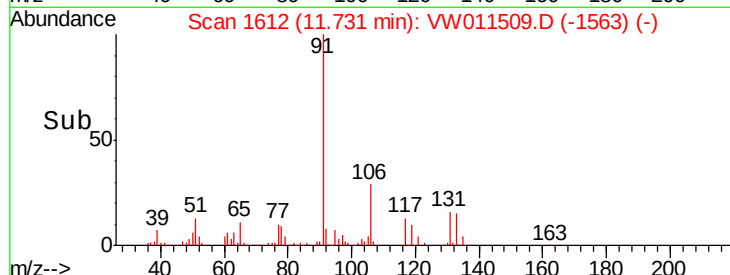
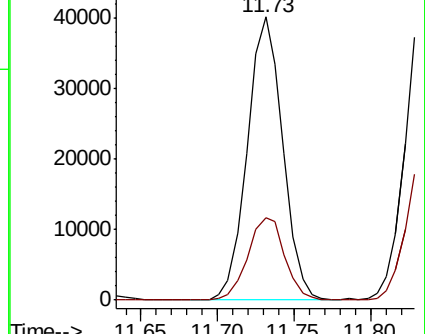
91 100

106 29.3 23.8 35.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 9.429 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.01 min

Lab File: VW011509.D

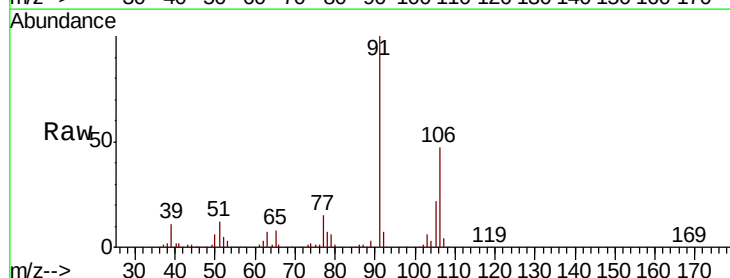
Acq: 26 Jul 2019 11:30

Tgt Ion: 106 Resp: 47100

Ion Ratio Lower Upper

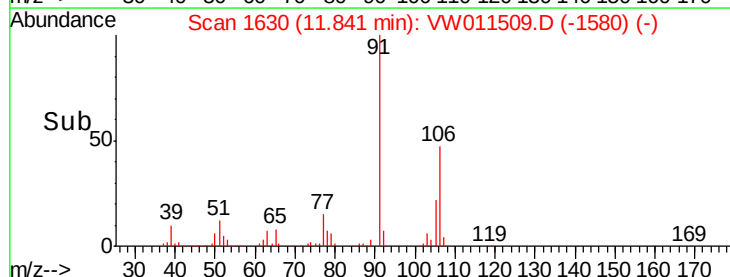
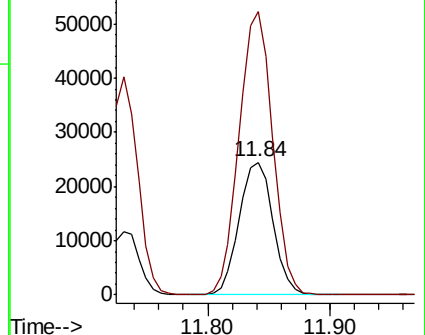
106 100

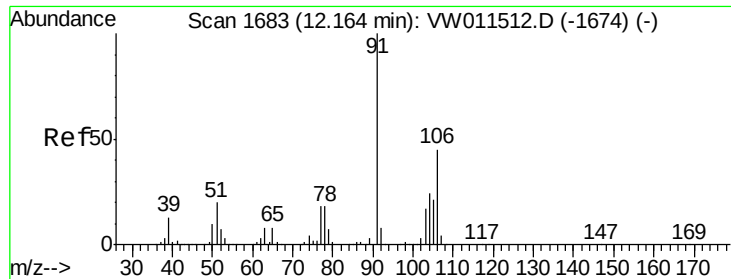
91 210.4 168.2 252.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

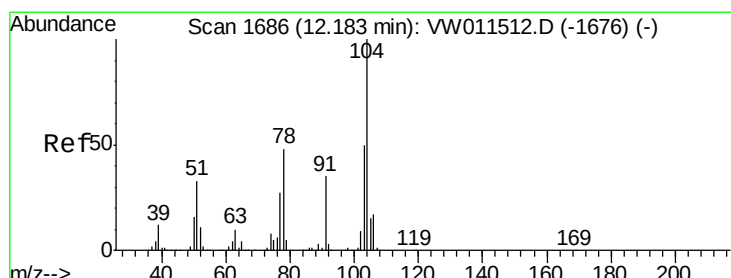
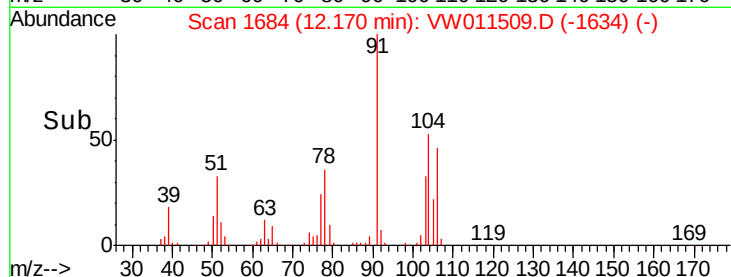
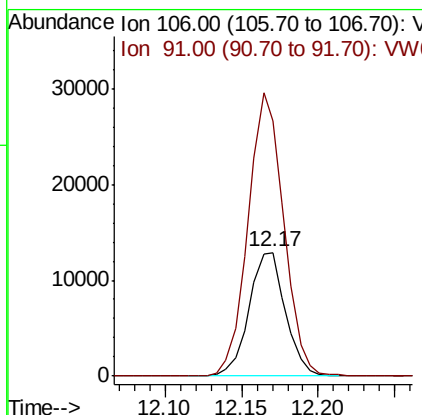
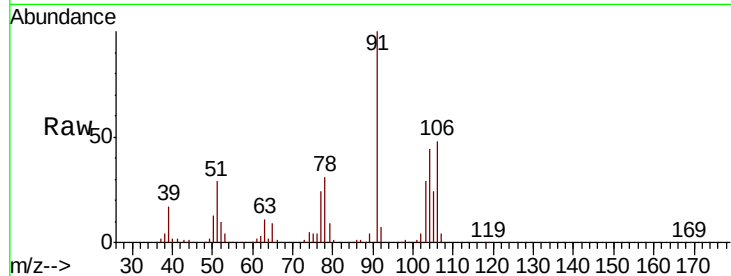




#69
o-Xylene
Concen: 4.598 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

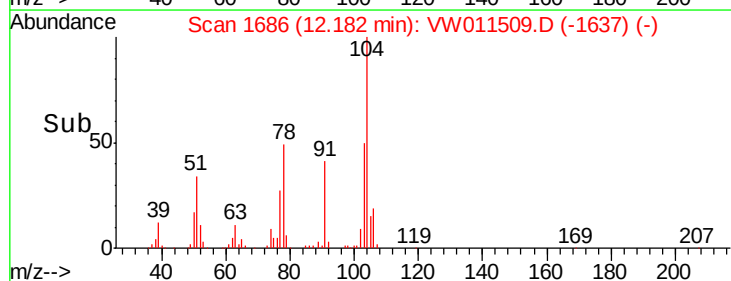
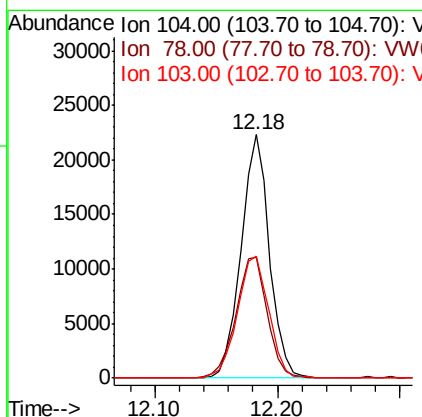
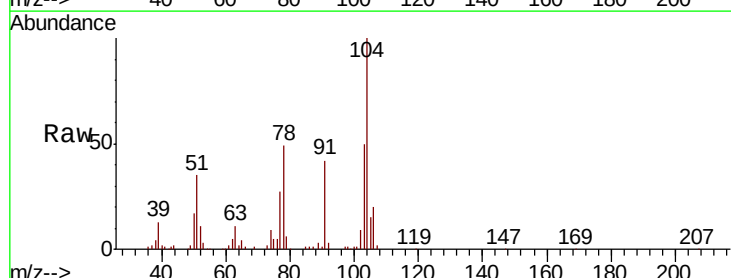
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

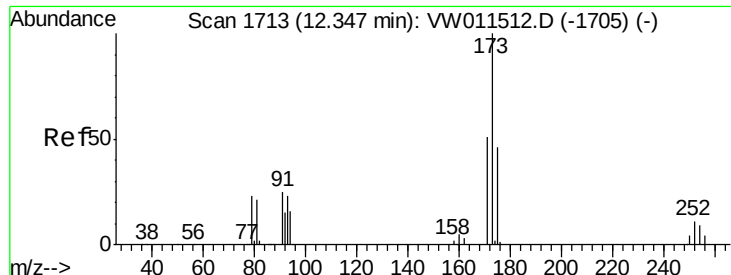
Tot Ion:106 Resp: 21342
Ion Ratio Lower Upper
106 100
91 224.8 110.5 331.5



#70
Styrene
Concen: 4.453 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

Tgt Ion:104 Resp: 35737
Ion Ratio Lower Upper
104 100
78 55.2 43.4 65.0
103 55.7 43.9 65.9





#71

Bromoform

Concen: 4.426 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

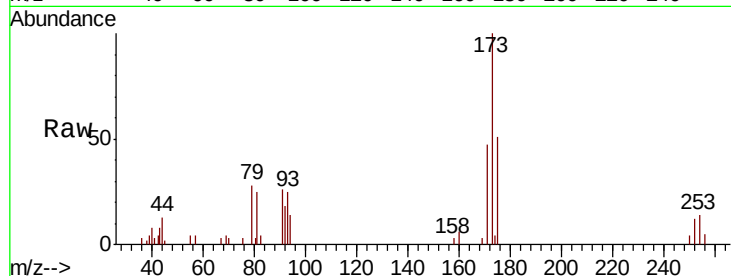
Tot Ion:173 Resp: 5669

Ion Ratio Lower Upper

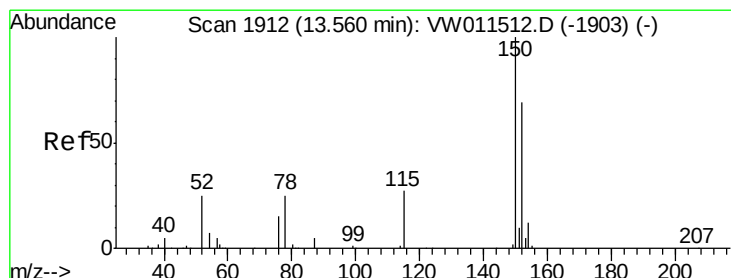
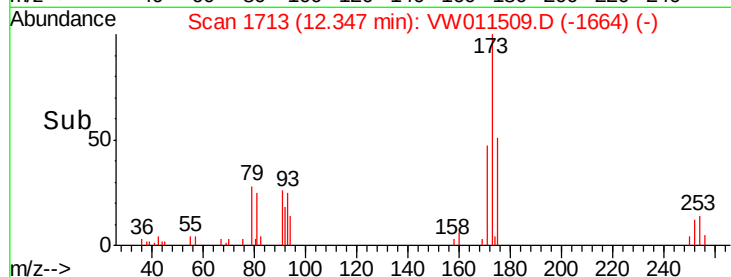
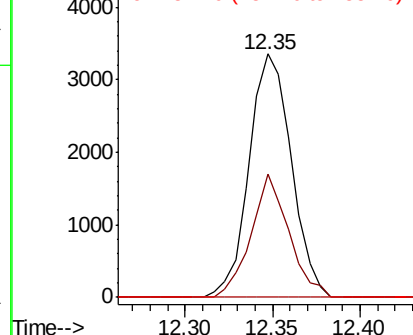
173 100

175 45.3 23.6 71.0

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: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

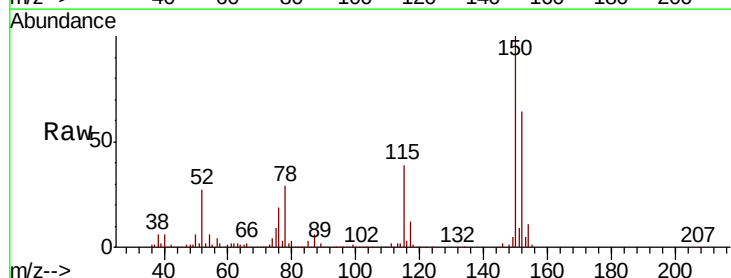
Tgt Ion:152 Resp: 172546

Ion Ratio Lower Upper

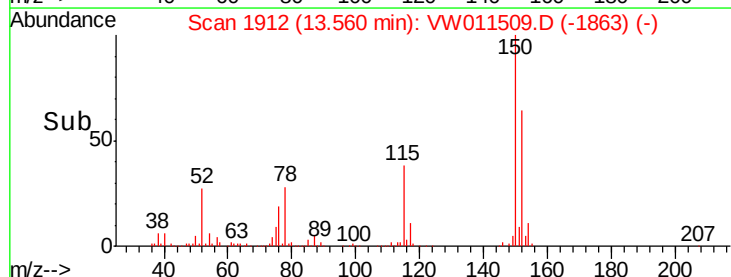
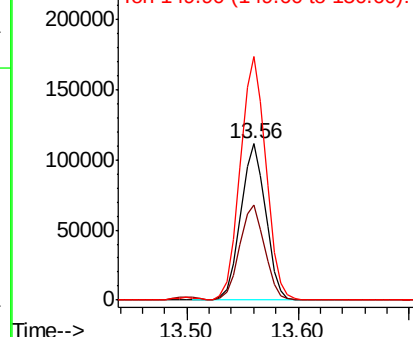
152 100

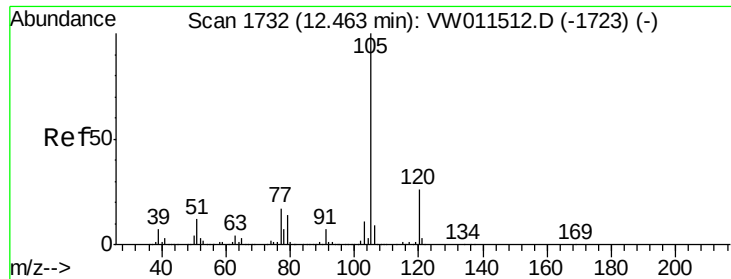
115 61.0 30.5 91.5

150 159.8 0.0 352.6



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: 4.878 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

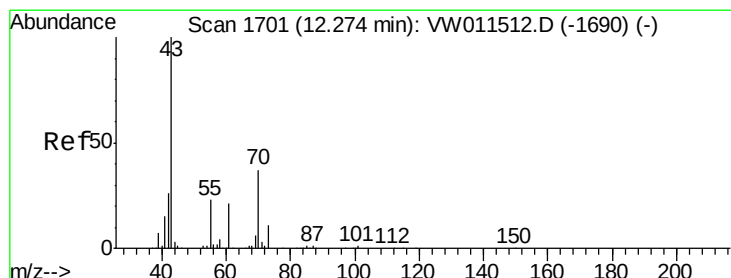
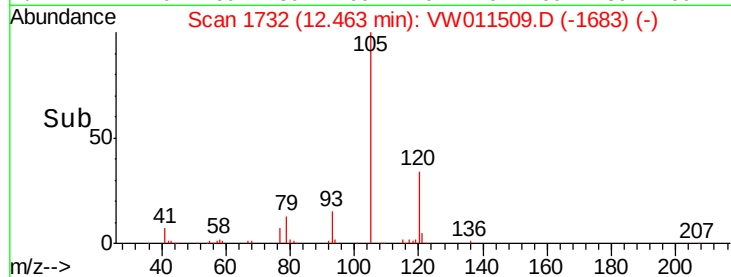
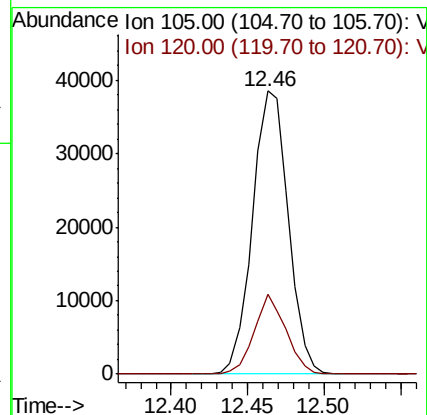
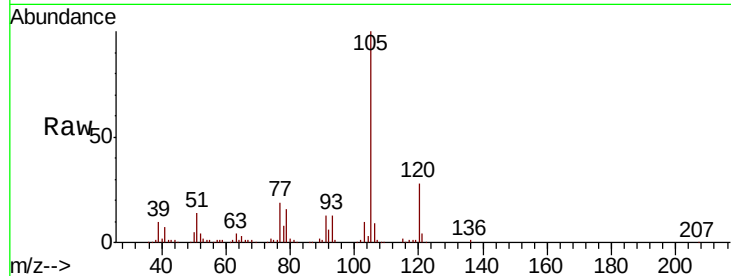
VSTDIC005

Tot Ion:105 Resp: 62790

Ion Ratio Lower Upper

105 100

120 25.1 12.9 38.7



#74

N-ethyl acetate

Concen: 4.263 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

Tgt Ion: 43 Resp: 17180

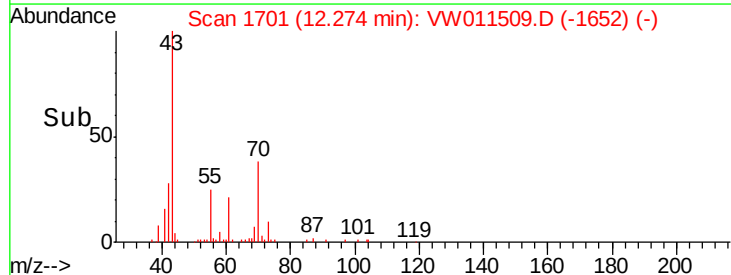
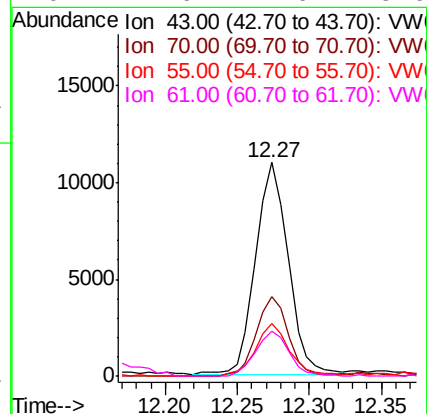
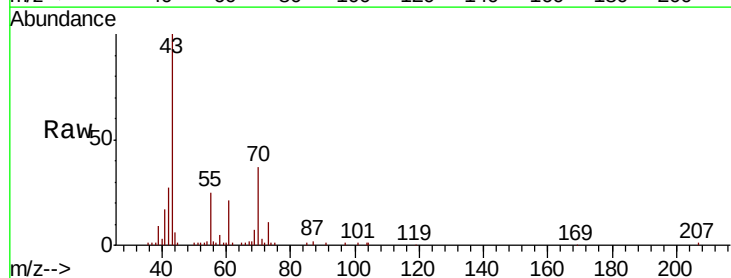
Ion Ratio Lower Upper

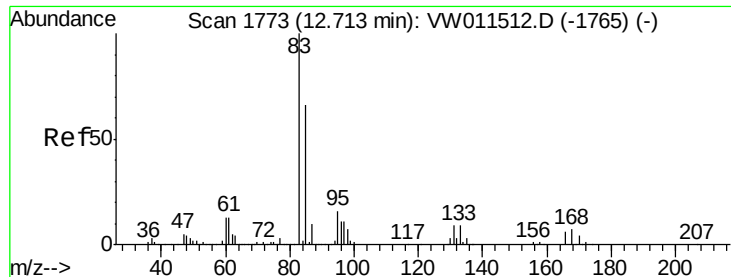
43 100

70 36.4 28.6 43.0

55 25.5 17.8 26.8

61 21.6 17.0 25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 4.632 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

Instrument :

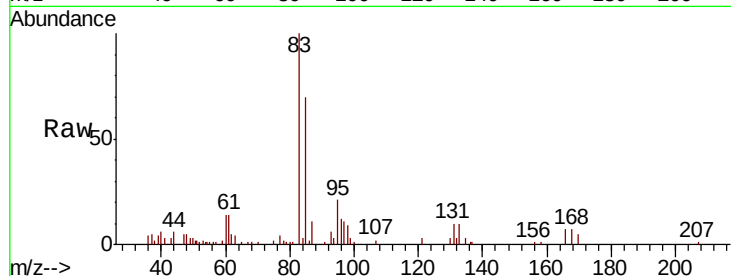
MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 83 Resp: 11215

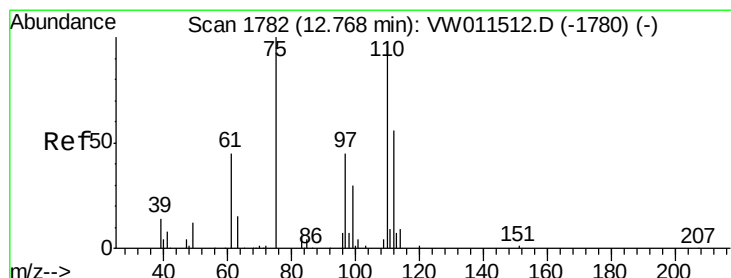
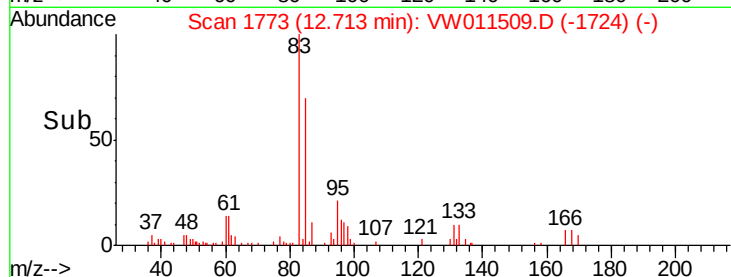
Ion	Ratio	Lower	Upper
83	100		
131	10.7	4.9	14.6
85	65.1	31.8	95.4



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: 8.074 ug/l

RT: 12.77 min Scan# 1782

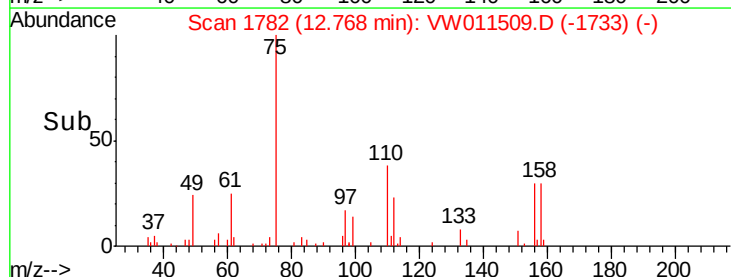
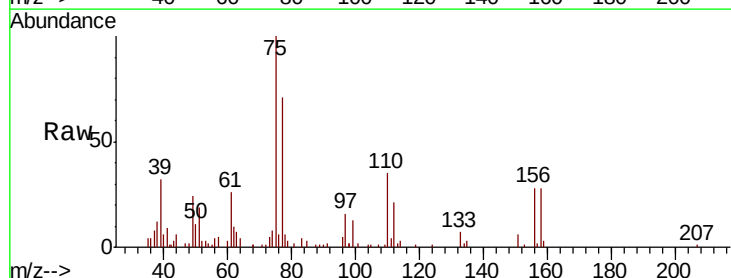
Delta R.T. -0.00 min

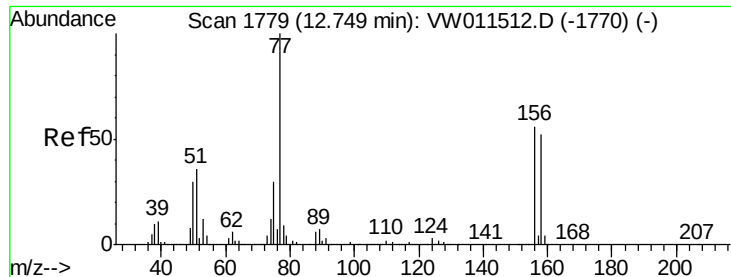
Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

Tgt Ion: 75 Resp: 14789

Ion	Ratio	Lower	Upper
75	100		
77	197.8	0.0	0.0#





#77

Bromobenzene

Concen: 4.825 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

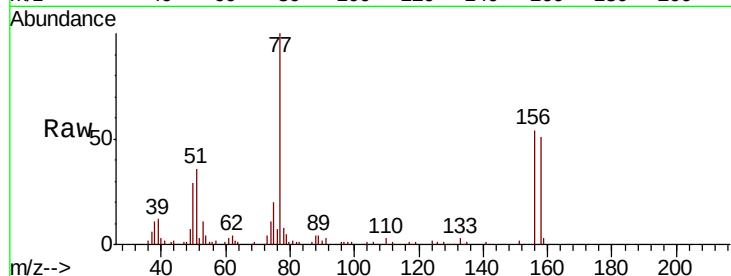
Tot Ion:156 Resp: 13728

Ion Ratio Lower Upper

156 100

77 213.1 106.5 319.4

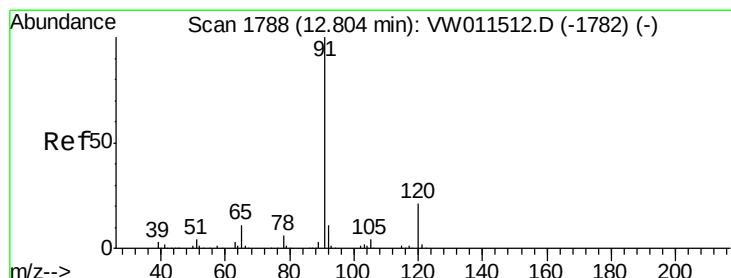
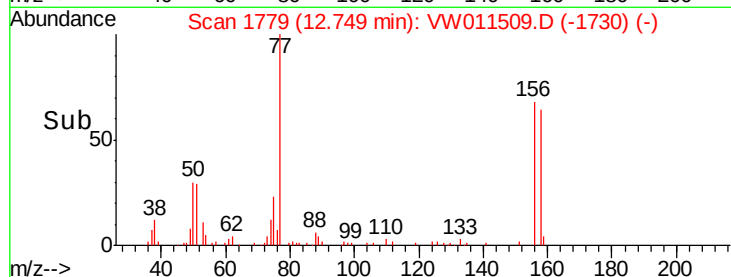
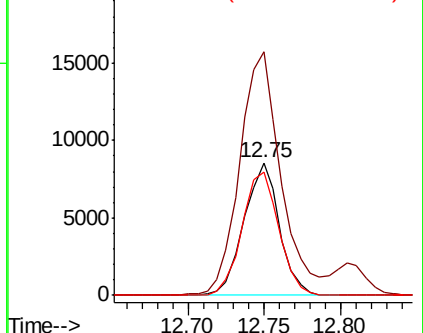
158 96.9 48.0 144.2



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: 4.770 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW011509.D

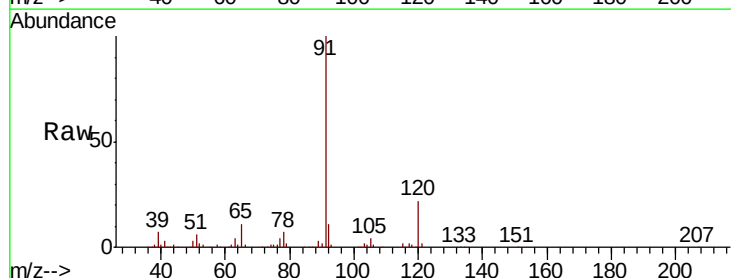
Acq: 26 Jul 2019 11:30

Tgt Ion: 91 Resp: 74726

Ion Ratio Lower Upper

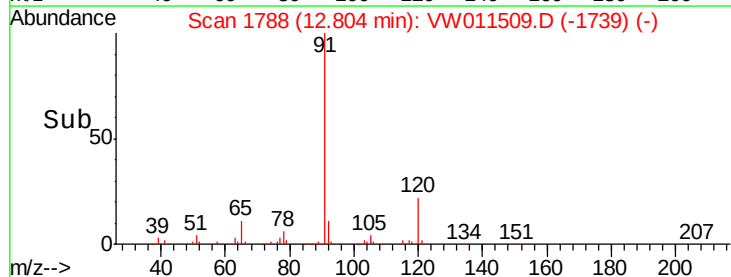
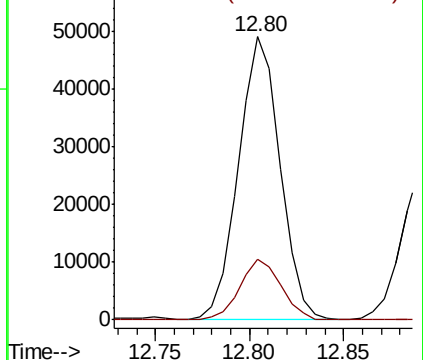
91 100

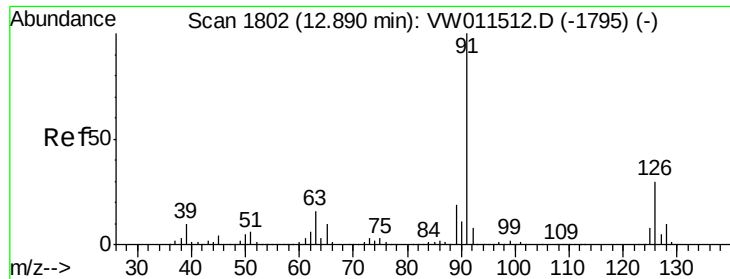
120 21.4 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

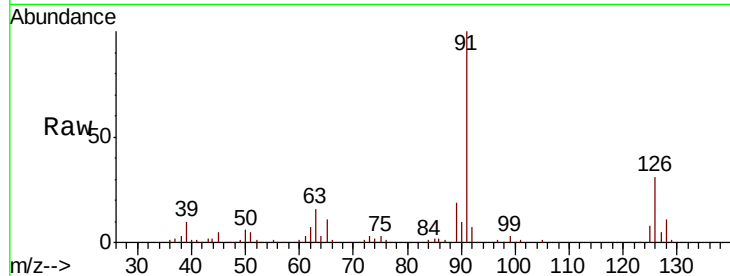




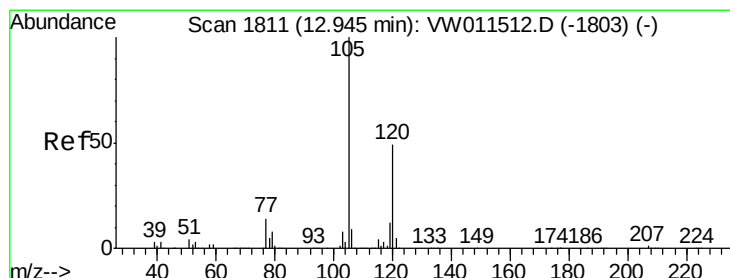
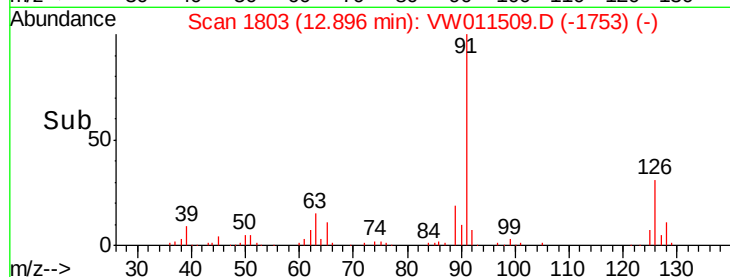
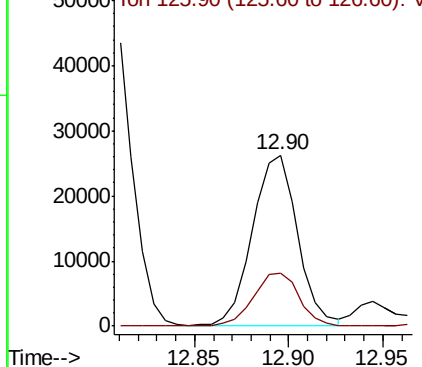
#79
 2-Chlorotoluene
 Concen: 4.831 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.01 min
 Lab File: VW011509.D
 Acq: 26 Jul 2019 11:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion: 91 Resp: 43600
 Ion Ratio Lower Upper
 91 100
 126 31.6 15.7 47.1

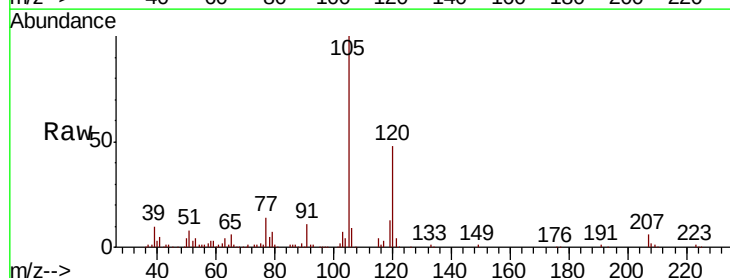


Abundance Ion 91.00 (90.70 to 91.70): VW
 Ion 125.90 (125.60 to 126.60): V

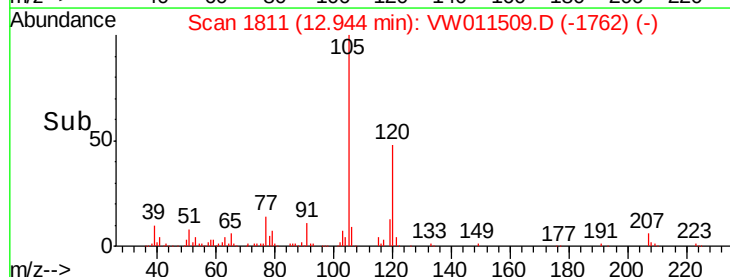
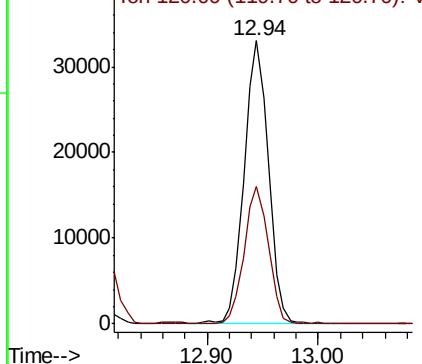


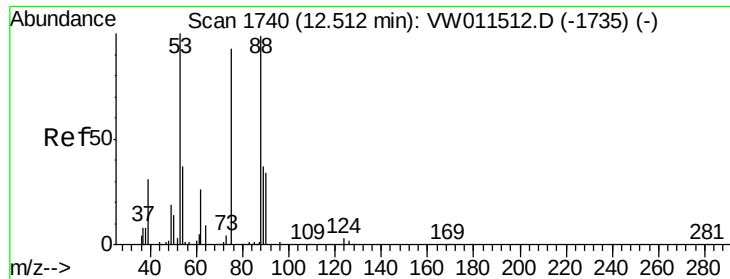
#80
 1,3,5-Trimethylbenzene
 Concen: 4.657 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW011509.D
 Acq: 26 Jul 2019 11:30

Tgt Ion: 105 Resp: 50250
 Ion Ratio Lower Upper
 105 100
 120 48.5 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 3.870 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

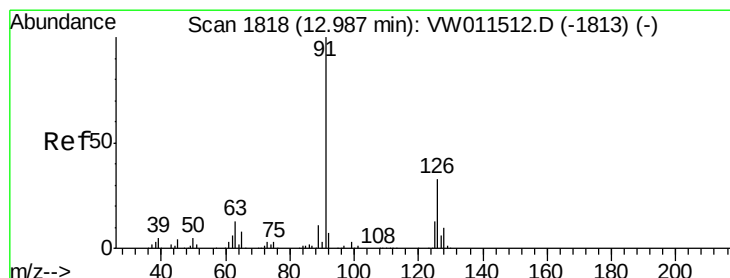
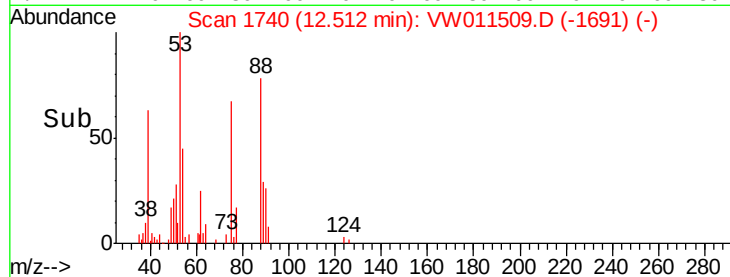
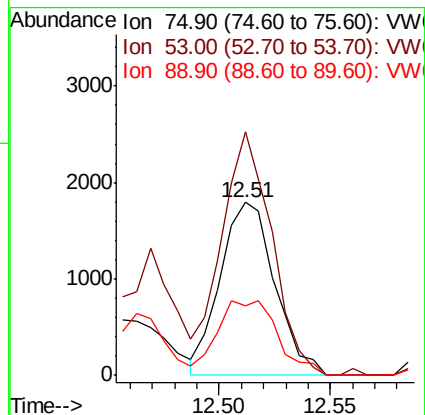
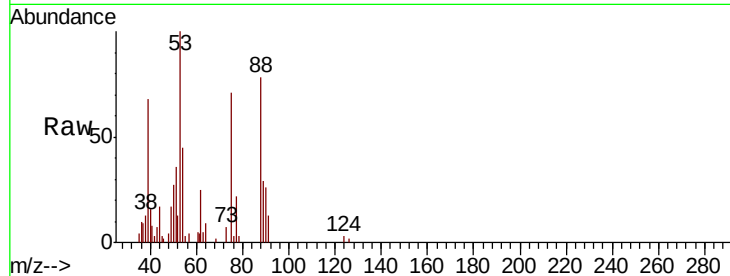
Tot Ion: 75 Resp: 3066

Ion Ratio Lower Upper

75 100

53 129.2 88.0 132.0

89 47.5 35.3 52.9



#82

4-Chlorotoluene

Concen: 4.845 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW011509.D

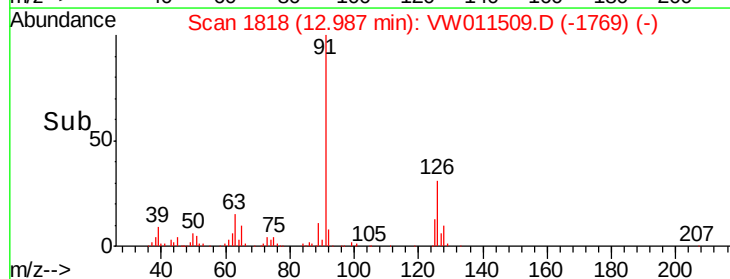
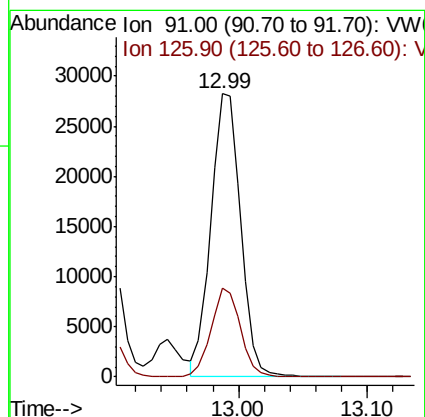
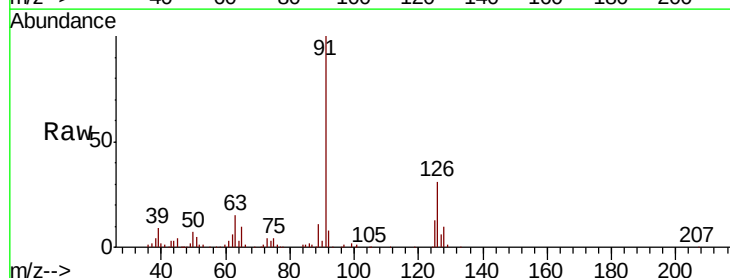
Acq: 26 Jul 2019 11:30

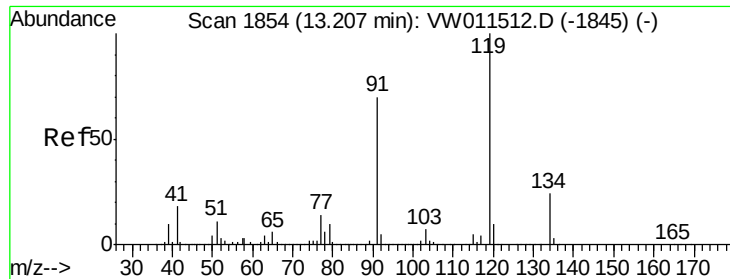
Tgt Ion: 91 Resp: 45876

Ion Ratio Lower Upper

91 100

126 30.7 15.6 46.8

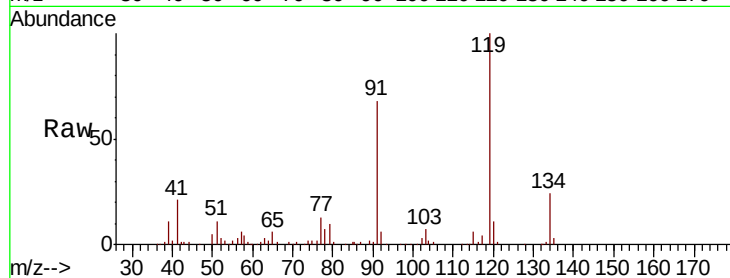




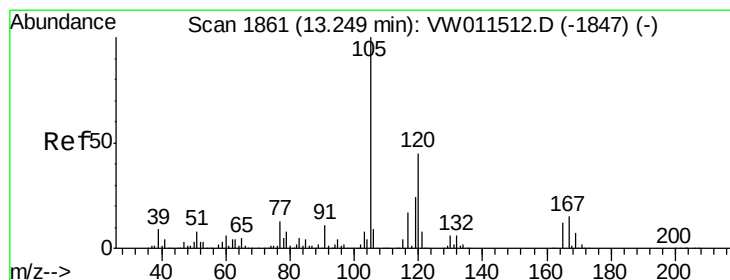
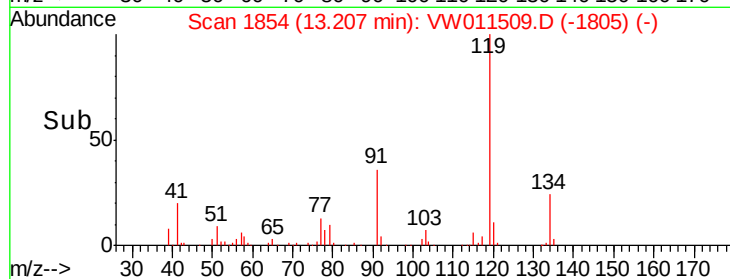
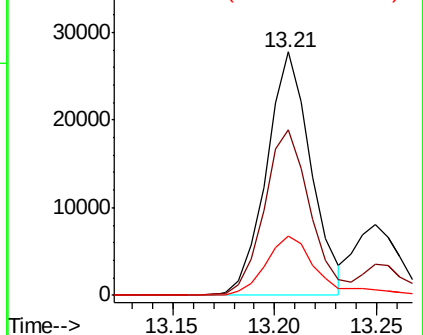
#83
tert-Butylbenzene
Concen: 4.683 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:119 Resp: 42253
Ion Ratio Lower Upper
119 100
91 70.7 34.5 103.6
134 28.1 12.4 37.4

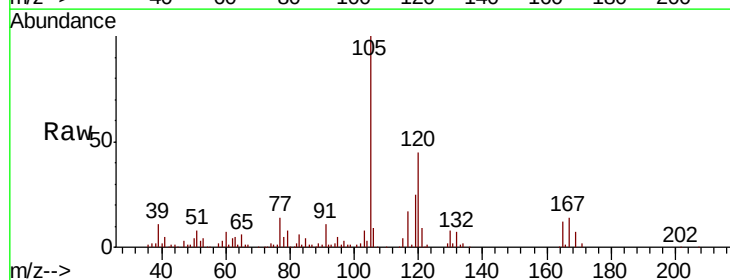


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

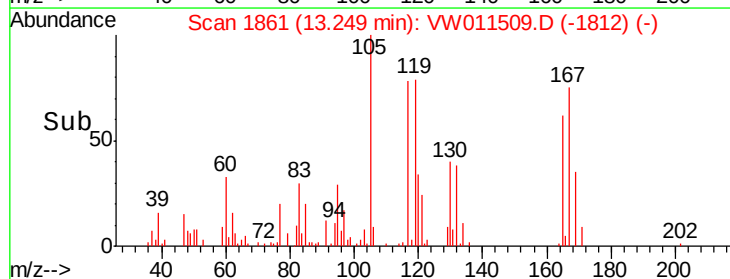
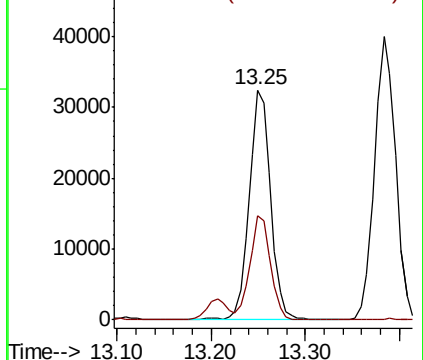


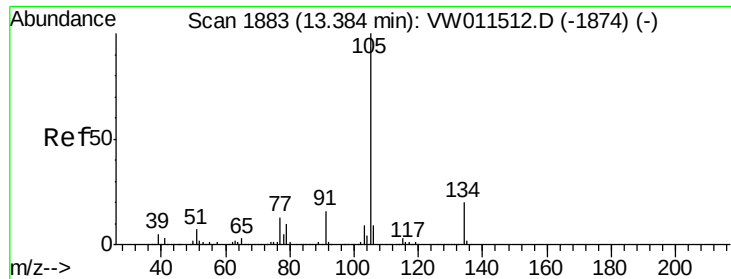
#84
1,2,4-Trimethylbenzene
Concen: 4.757 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

Tgt Ion:105 Resp: 51708
Ion Ratio Lower Upper
105 100
120 43.7 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 4.787 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

Instrument :

MSVOA_W

ClientSampleId :

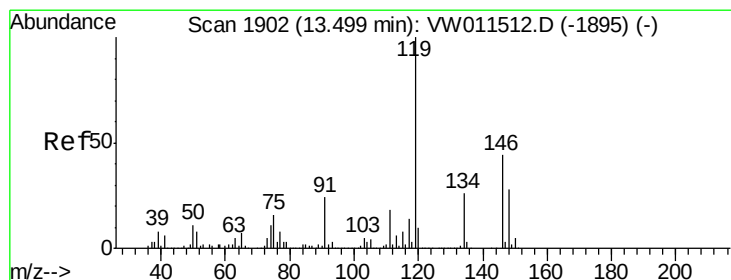
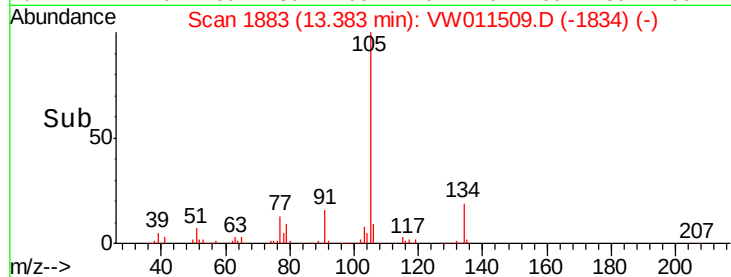
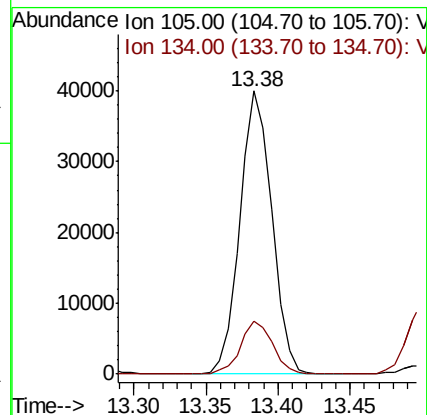
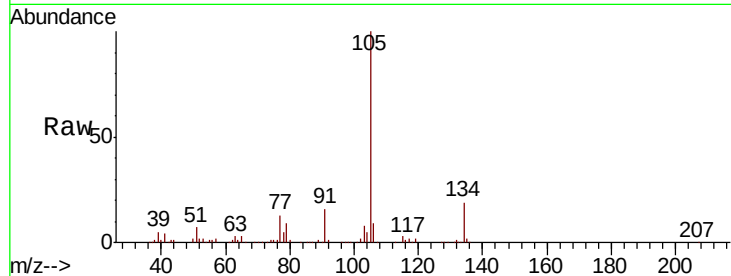
VSTDIC005

Tot Ion:105 Resp: 61635

Ion Ratio Lower Upper

105 100

134 18.6 9.7 29.1



#86

p-Isopropyltoluene

Concen: 4.740 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011509.D

Acq: 26 Jul 2019 11:30

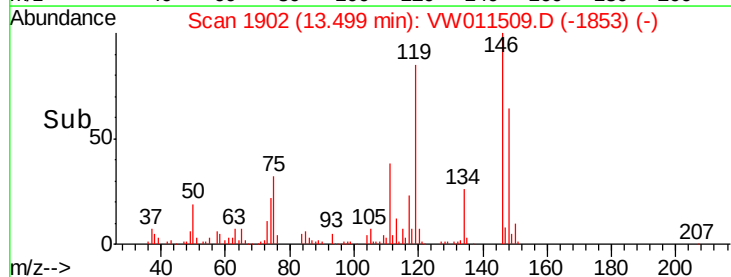
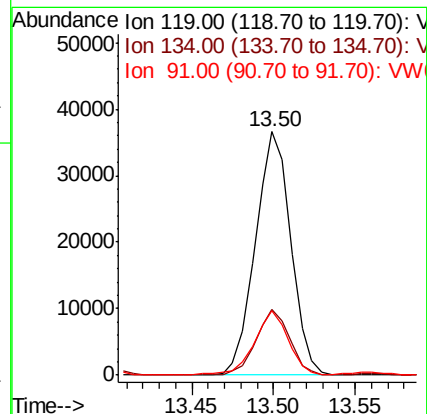
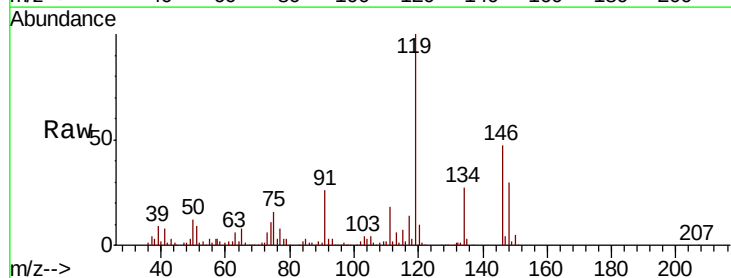
Tgt Ion:119 Resp: 55376

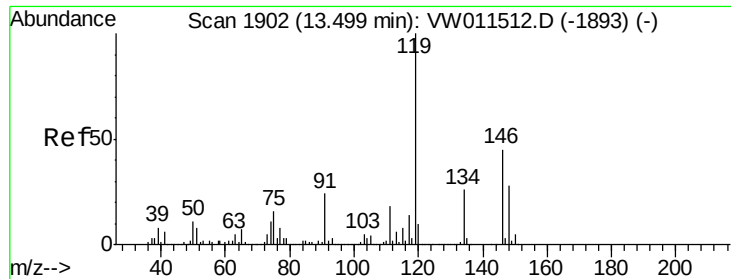
Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.4

91 25.6 12.1 36.3

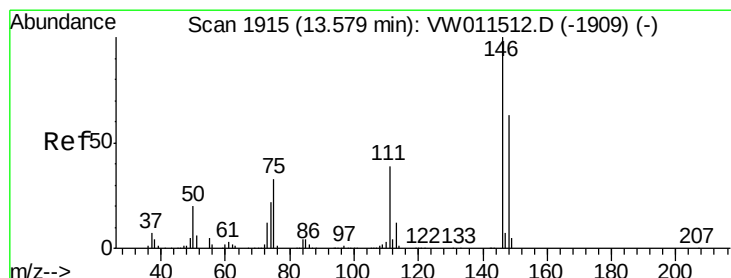
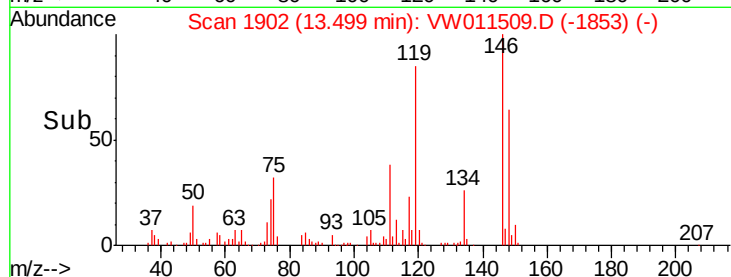
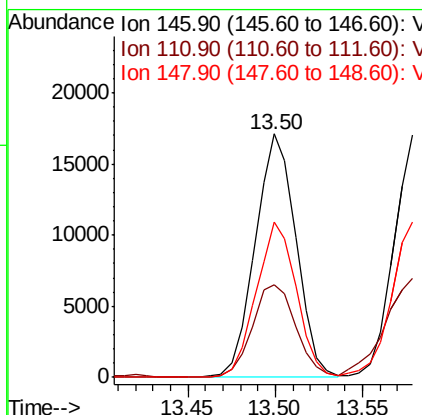
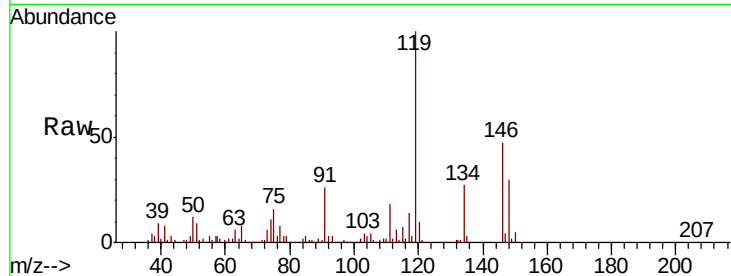




#87
 1,3-Dichlorobenzene
 Concen: 4.965 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011509.D
 Acq: 26 Jul 2019 11:30

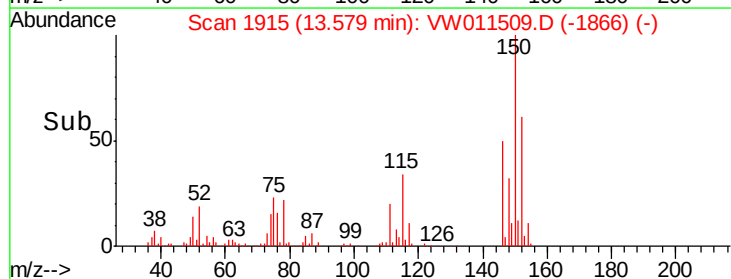
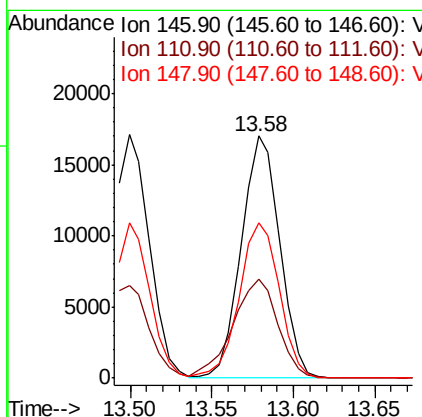
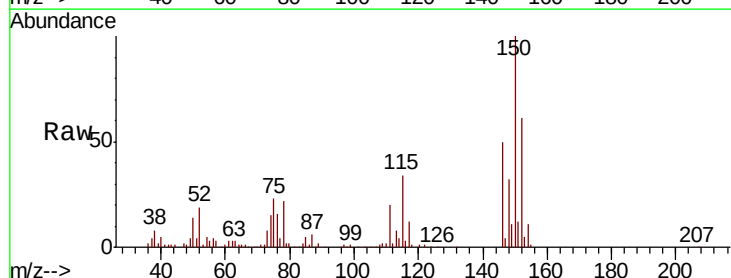
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

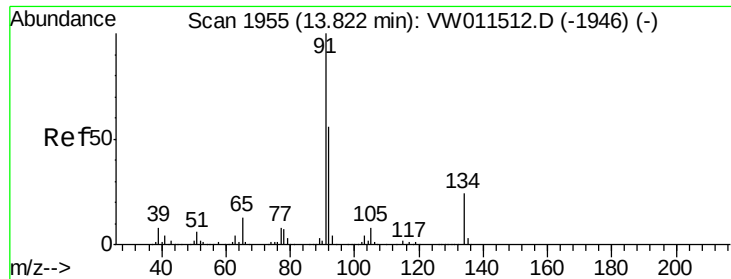
Tot Ion:146 Resp: 27698
 Ion Ratio Lower Upper
 146 100
 111 40.7 20.5 61.6
 148 62.9 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 5.046 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011509.D
 Acq: 26 Jul 2019 11:30

Tgt Ion:146 Resp: 28004
 Ion Ratio Lower Upper
 146 100
 111 47.8 20.1 60.2
 148 66.9 31.9 95.9

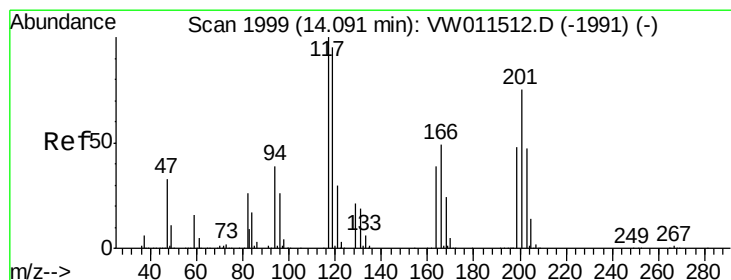
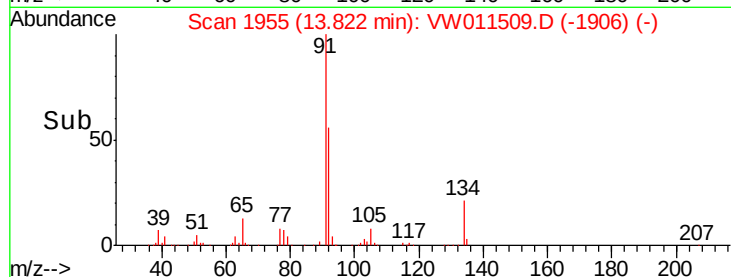
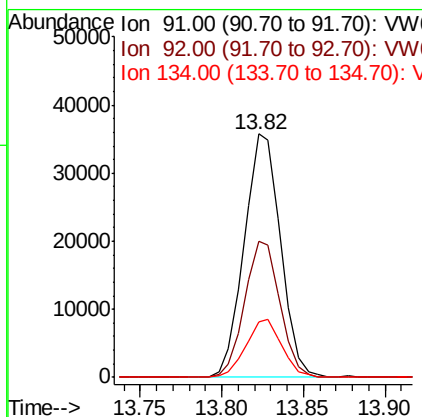
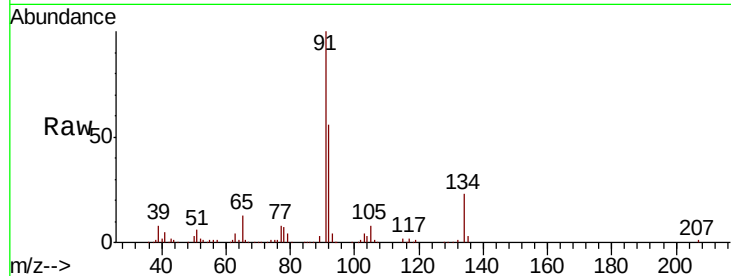




#89
n-Butylbenzene
Concen: 4.765 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

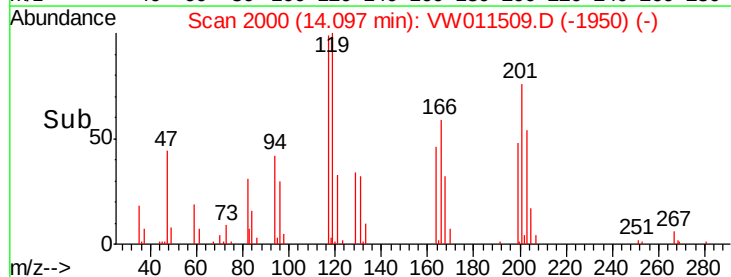
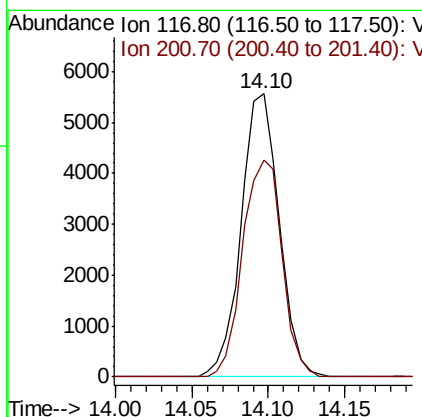
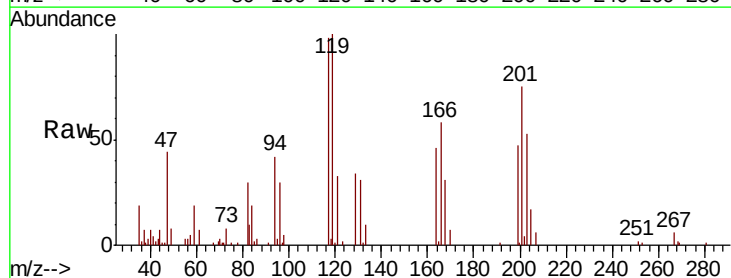
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

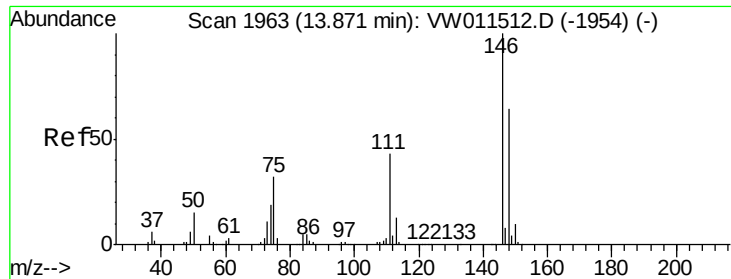
Tot Ion: 91 Resp: 55548
Ion Ratio Lower Upper
91 100
92 54.5 27.5 82.4
134 23.4 12.2 36.6



#90
Hexachloroethane
Concen: 4.664 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.01 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

Tgt Ion: 117 Resp: 9634
Ion Ratio Lower Upper
117 100
201 79.3 39.4 118.2

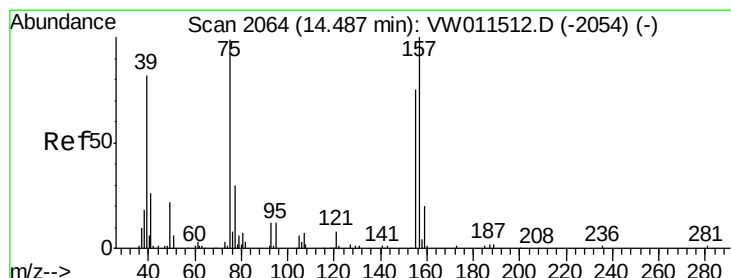
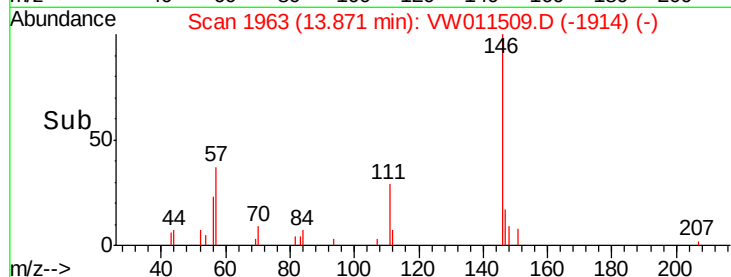
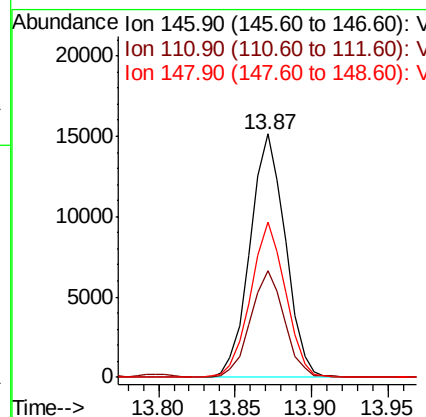
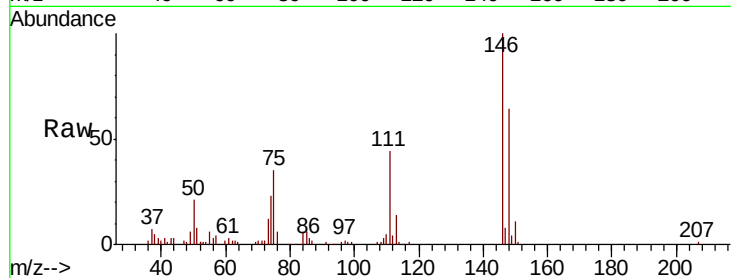




#91
 1,2-Dichlorobenzene
 Concen: 4.920 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011509.D
 Acq: 26 Jul 2019 11:30

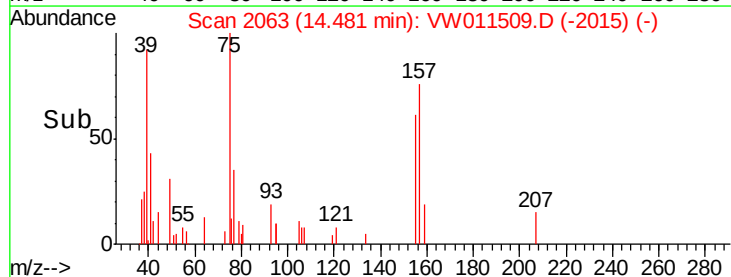
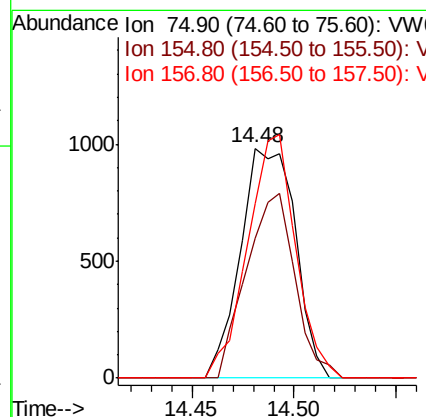
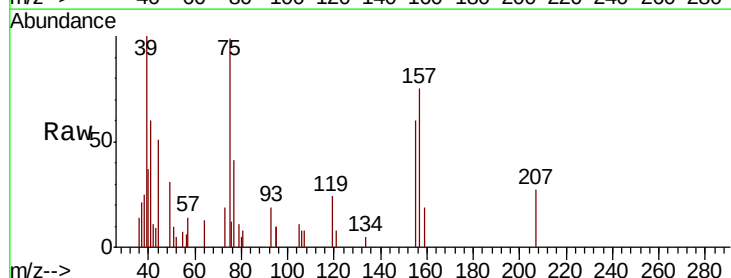
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

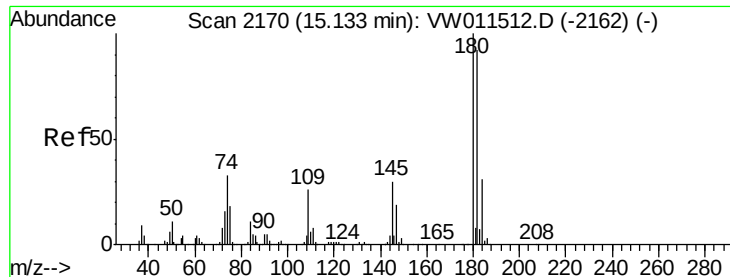
Tot Ion:146 Resp: 24275
 Ion Ratio Lower Upper
 146 100
 111 42.2 21.6 65.0
 148 63.4 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.435 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW011509.D
 Acq: 26 Jul 2019 11:30

Tgt Ion: 75 Resp: 1831
 Ion Ratio Lower Upper
 75 100
 155 71.7 38.2 114.6
 157 93.3 48.9 146.7

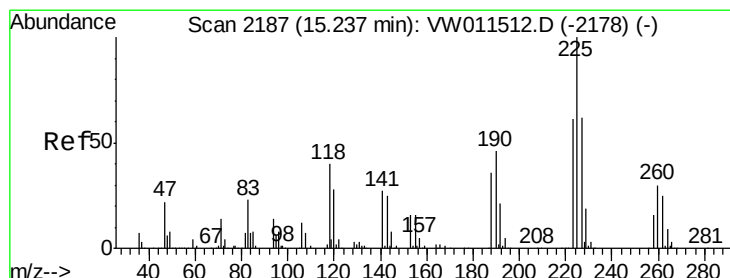
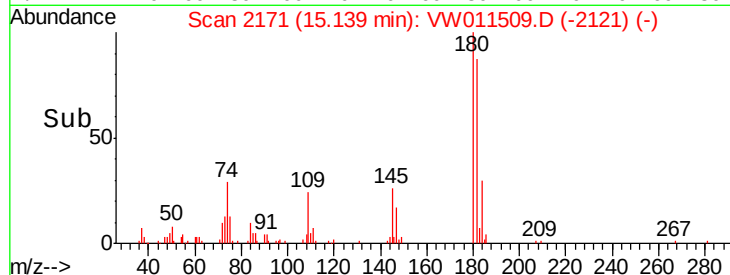
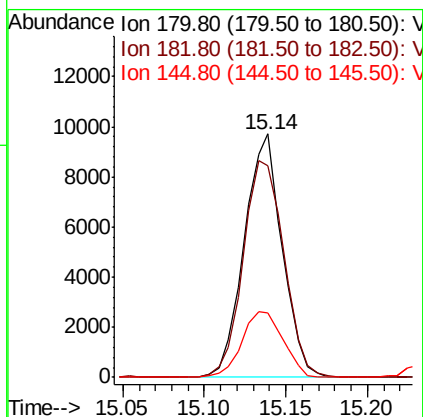
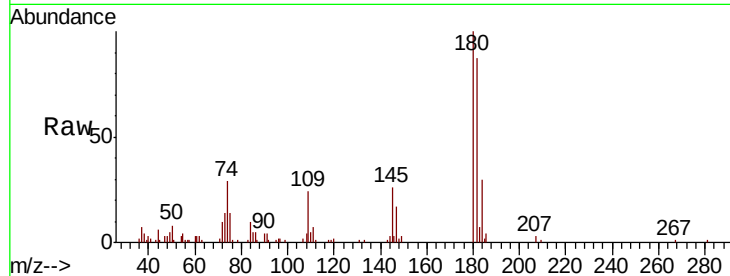




#93
 1,2,4-Trichlorobenzene
 Concen: 4.528 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VW011509.D
 Acq: 26 Jul 2019 11:30

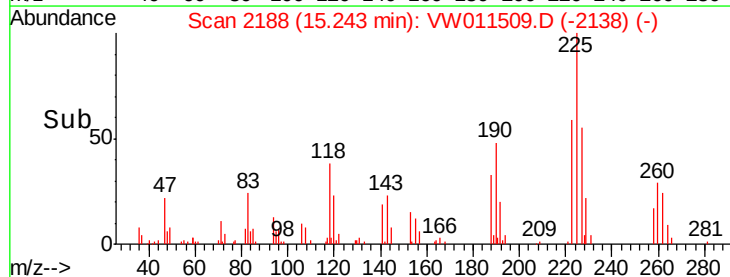
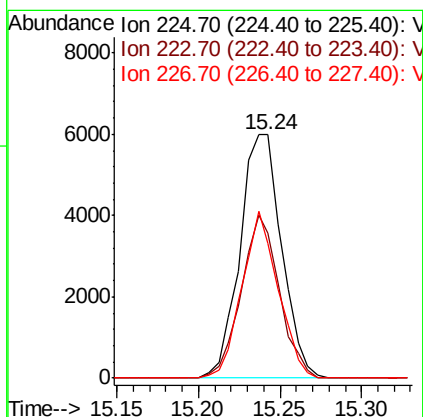
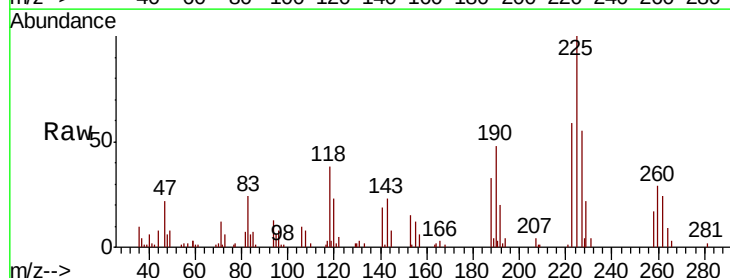
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

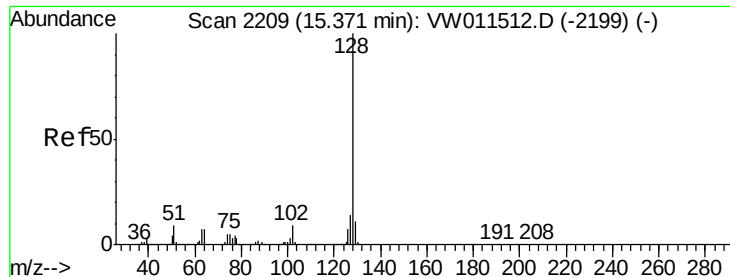
Tot Ion:180 Resp: 15746
 Ion Ratio Lower Upper
 180 100
 182 95.6 47.4 142.2
 145 29.3 15.4 46.1



#94
 Hexachlorobutadiene
 Concen: 4.909 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.01 min
 Lab File: VW011509.D
 Acq: 26 Jul 2019 11:30

Tgt Ion:225 Resp: 10645
 Ion Ratio Lower Upper
 225 100
 223 61.3 30.8 92.3
 227 59.6 31.6 94.7

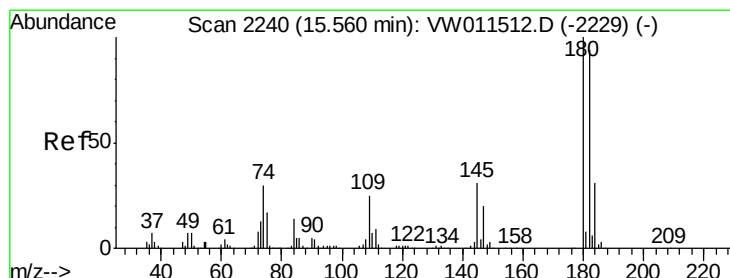
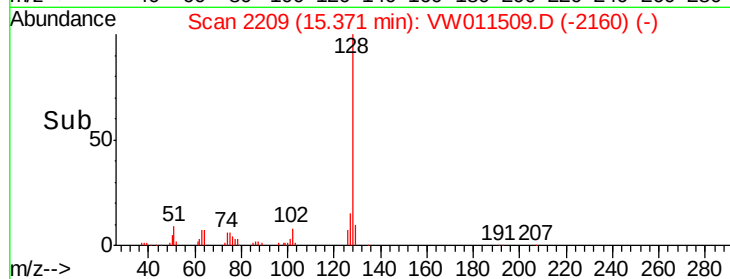
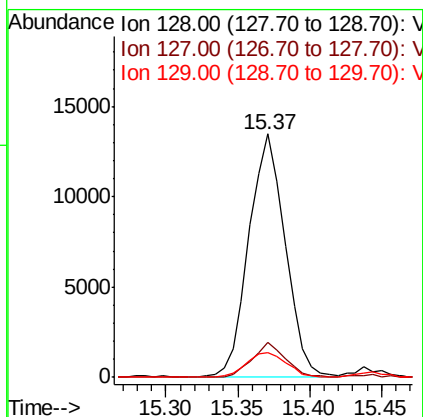
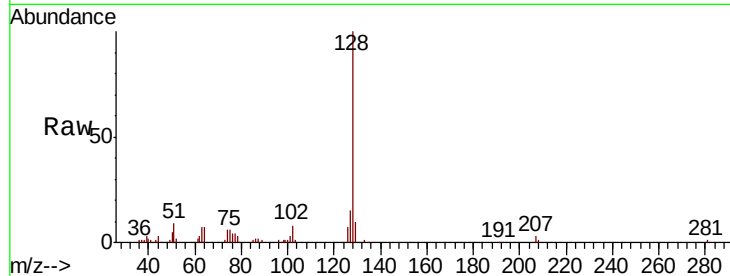




#95
Naphthalene
Concen: 3.827 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:128 Resp: 23593
Ion Ratio Lower Upper
128 100
127 13.0 10.6 16.0
129 11.3 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 4.462 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW011509.D
Acq: 26 Jul 2019 11:30

Tgt Ion:180 Resp: 13602
Ion Ratio Lower Upper
180 100
182 95.6 47.4 142.2
145 32.9 15.9 47.7

