

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091519\
 Data File : VW013029.D
 Acq On : 15 Sep 2019 08:19
 Operator : SY/VA
 Sample : VSTDCCC050EC
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 16 09:39:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	294562	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	458372	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	408811	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	202200	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	149702	55.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.06%	
35) Dibromofluoromethane	7.88	113	132045	53.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.18%	
50) Toluene-d8	10.32	98	521390	53.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.14%	
62) 4-Bromofluorobenzene	12.62	95	191389	54.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	55242	48.898	ug/l	94
3) Chloromethane	2.21	50	76385	54.307	ug/l	93
4) Vinyl Chloride	2.36	62	98706	46.816	ug/l	98
5) Bromomethane	2.77	94	58965	45.796	ug/l	92
6) Chloroethane	2.91	64	64616	49.969	ug/l	95
7) Trichlorofluoromethane	3.25	101	61930	42.004	ug/l	95
8) Diethyl Ether	3.68	74	63178	54.878	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	104520	46.741	ug/l	99
10) Methyl Iodide	4.26	142	147646	52.758	ug/l	99
11) Tert butyl alcohol	5.19	59	56431	312.652	ug/l	99
12) 1,1-Dichloroethene	4.03	96	98844	48.614	ug/l	98
13) Acrolein	3.89	56	41279	204.551	ug/l	97
14) Allyl chloride	4.66	41	204262	52.918	ug/l	97
15) Acrylonitrile	5.36	53	178956	304.351	ug/l	99
16) Acetone	4.13	43	135912	228.560	ug/l	99
17) Carbon Disulfide	4.38	76	185426	45.763	ug/l	97
18) Methyl Acetate	4.67	43	102523	66.147	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	243464	60.661	ug/l	95
20) Methylene Chloride	4.92	84	129545	59.976	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	115427	53.005	ug/l	96
22) Diisopropyl ether	6.31	45	487012	60.734	ug/l	98
23) Vinyl Acetate	6.25	43	1367671	284.766	ug/l	100
24) 1,1-Dichloroethane	6.21	63	252964	54.714	ug/l	99
25) 2-Butanone	7.17	43	246845	285.353	ug/l	100
26) 2,2-Dichloropropane	7.16	77	129761	43.676	ug/l	96
27) cis-1,2-Dichloroethene	7.17	96	147193	56.458	ug/l	97
28) Bromochloromethane	7.51	49	118083	60.680	ug/l #	97
29) Tetrahydrofuran	7.52	42	161757	328.180	ug/l	98
30) Chloroform	7.67	83	251727	53.585	ug/l	100
31) Cyclohexane	7.95	56	187782	54.488	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	200060	51.713	ug/l	99
36) 1,1-Dichloropropene	8.08	75	179104	48.898	ug/l	99
37) Ethyl Acetate	7.25	43	110911	57.048	ug/l	99
38) Carbon Tetrachloride	8.07	117	178991	47.686	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	182932	45.578	ug/l	95
40) Benzene	8.32	78	514260	50.293	ug/l	100
41) Methacrylonitrile	7.48	41	70753	55.263	ug/l	97
42) 1,2-Dichloroethane	8.40	62	172558	50.342	ug/l	99
43) Isopropyl Acetate	8.42	43	211646	56.698	ug/l	99
44) Trichloroethene	9.09	130	140310	50.096	ug/l	90
45) 1,2-Dichloropropane	9.37	63	146199	53.815	ug/l	100
46) Dibromomethane	9.46	93	70704	54.322	ug/l	99
47) Bromodichloromethane	9.64	83	195049	53.425	ug/l	99
48) Methyl methacrylate	9.43	41	103486	59.071	ug/l	97
49) 1,4-Dioxane	9.46	88	24912	1142.259	ug/l #	72
51) 4-Methyl-2-Pentanone	10.21	43	581211	301.584	ug/l	100
52) Toluene	10.38	92	342867	52.769	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	185587	50.544	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	217014	51.655	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	110577	55.768	ug/l	98
56) Ethyl methacrylate	10.65	69	155607	58.304	ug/l	98
57) 1,3-Dichloropropane	10.93	76	195917	55.701	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	398362	278.248	ug/l	99
59) 2-Hexanone	10.97	43	388186	289.276	ug/l	99
60) Dibromochloromethane	11.13	129	128905	53.773	ug/l	97
61) 1,2-Dibromoethane	11.23	107	102268	56.540	ug/l	99
64) Tetrachloroethene	10.86	164	136277	56.034	ug/l	99
65) Chlorobenzene	11.66	112	380725	52.284	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	144681	51.847	ug/l	99
67) Ethyl Benzene	11.73	91	693629	51.576	ug/l	99
68) m/p-Xylenes	11.83	106	515632	104.953	ug/l	100
69) o-Xylene	12.16	106	238195	51.714	ug/l	99
70) Styrene	12.18	104	431735	52.691	ug/l	99
71) Bromoform	12.35	173	80248	54.748	ug/l #	99
73) Isopropylbenzene	12.46	105	674926	50.359	ug/l	100
74) N-amyl acetate	12.27	43	200077	58.033	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	133267	56.614	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	168991	95.415	ug/l #	100
77) Bromobenzene	12.74	156	166522	53.933	ug/l	98
78) n-propylbenzene	12.80	91	795610	50.466	ug/l	100
79) 2-Chlorotoluene	12.89	91	473509	52.248	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	587775	51.839	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	37747	48.347	ug/l	99
82) 4-Chlorotoluene	12.99	91	501287	52.424	ug/l	99
83) tert-Butylbenzene	13.21	119	498727	49.175	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	559807	49.964	ug/l	99
85) sec-Butylbenzene	13.38	105	675405	48.880	ug/l	99
86) p-Isopropyltoluene	13.49	119	634966	50.052	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	308099	50.408	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	309669	51.557	ug/l	99
89) n-Butylbenzene	13.82	91	611108	51.078	ug/l	100
90) Hexachloroethane	14.09	117	112886	49.655	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	290162	53.983	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	23721	55.053	ug/l	96

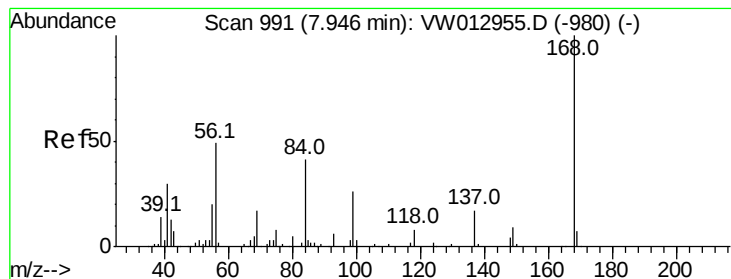
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	209193	54.573	ug/l	99
94) Hexachlorobutadiene	15.24	225	129913	47.874	ug/l	98
95) Naphthalene	15.36	128	388513	60.658	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	185286	54.680	ug/l	100

(#) = 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: VW013029.D

Acq: 15 Sep 2019 08:19

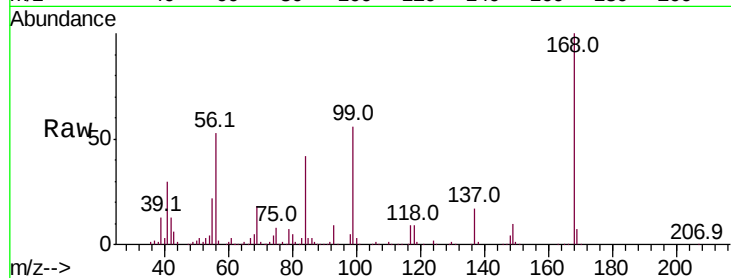
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 294562

Ion Ratio Lower Upper

168 100

99 56.0 46.2 69.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

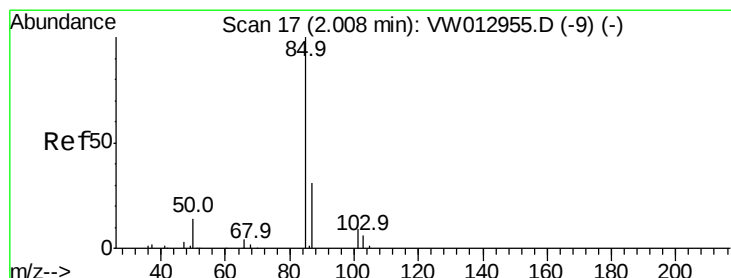
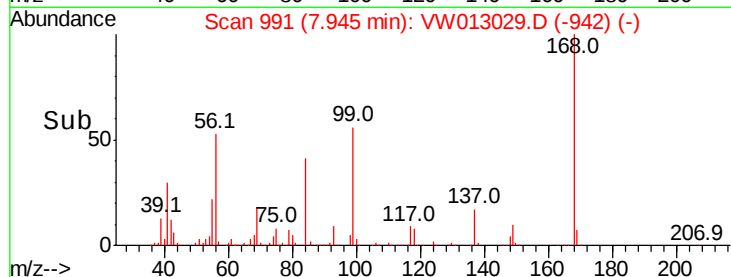
100000

50000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 48.898 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013029.D

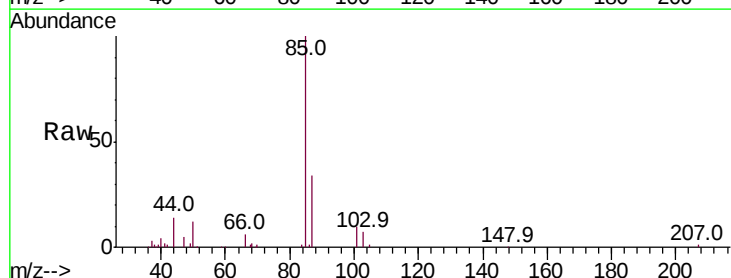
Acq: 15 Sep 2019 08:19

Tgt Ion: 85 Resp: 55242

Ion Ratio Lower Upper

85 100

87 34.1 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

20000

15000

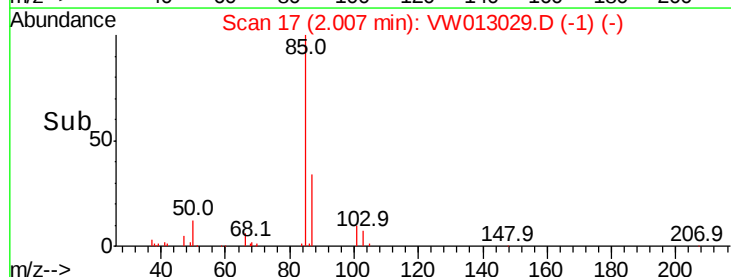
10000

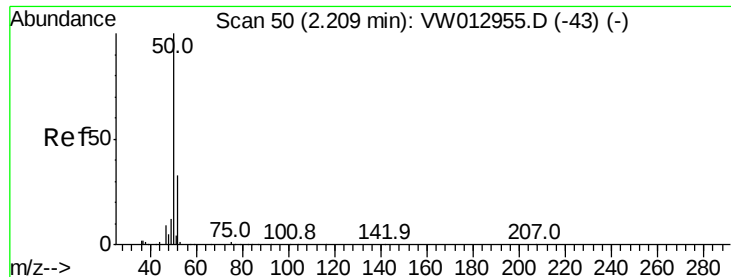
5000

0

1.90 2.00 2.10 2.20

Time-->

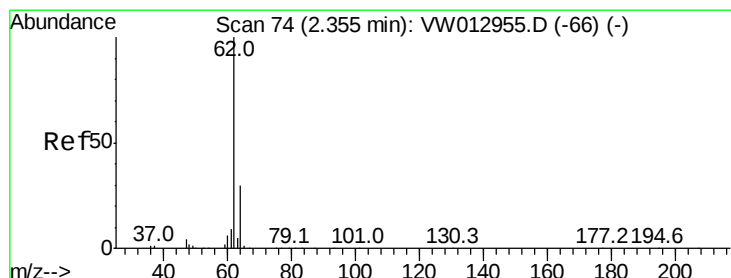
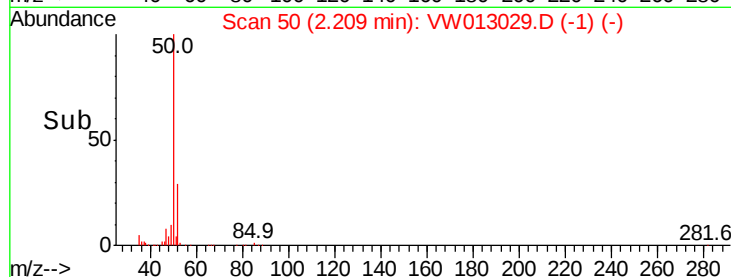
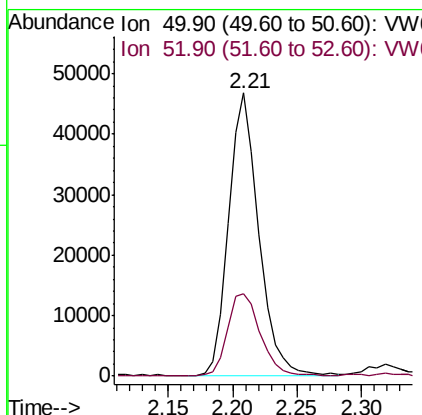
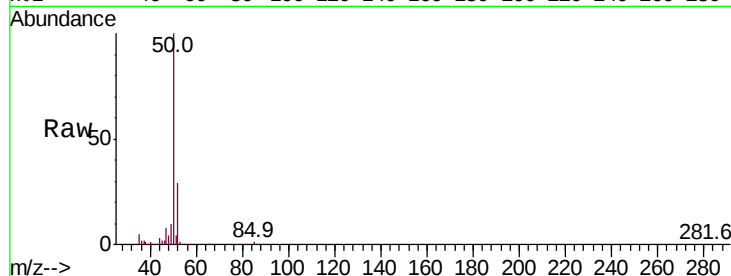




#3
Chloromethane
Concen: 54.307 ug/l
RT: 2.21 min Scan# 50
Delta R.T. 0.00 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

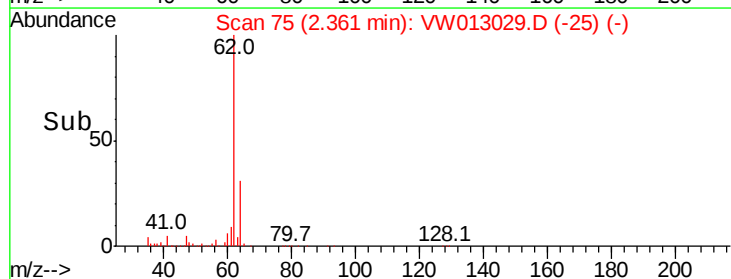
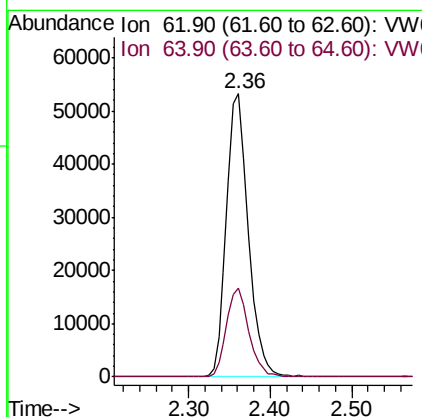
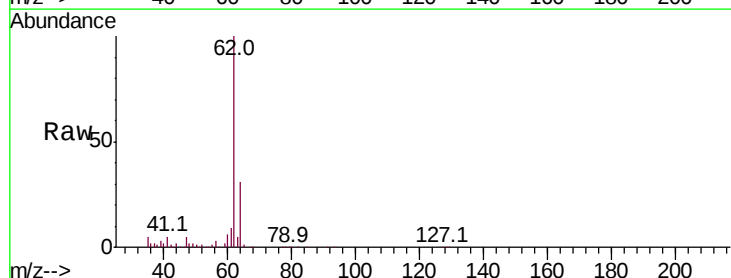
Instrument :
MSVOA_W
ClientSampleId :

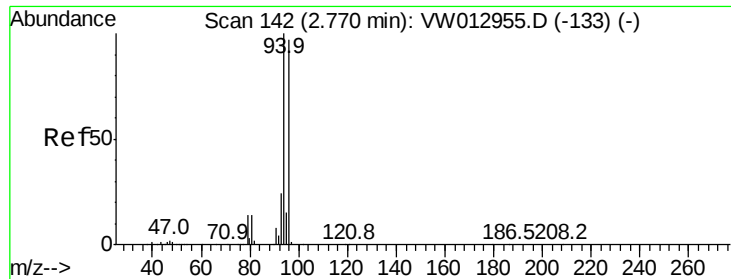
Tot Ion: 50 Resp: 76385
Ion Ratio Lower Upper
50 100
52 29.3 26.6 39.8



#4
Vinyl Chloride
Concen: 46.816 ug/l
RT: 2.36 min Scan# 75
Delta R.T. 0.01 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

Tgt Ion: 62 Resp: 98706
Ion Ratio Lower Upper
62 100
64 31.4 24.2 36.4





#5

Bromomethane

Concen: 45.796 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

Instrument :

MSVOA_W

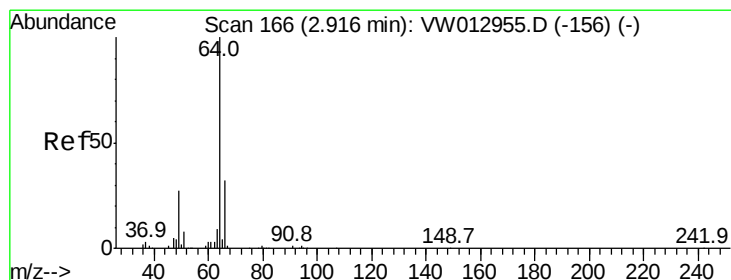
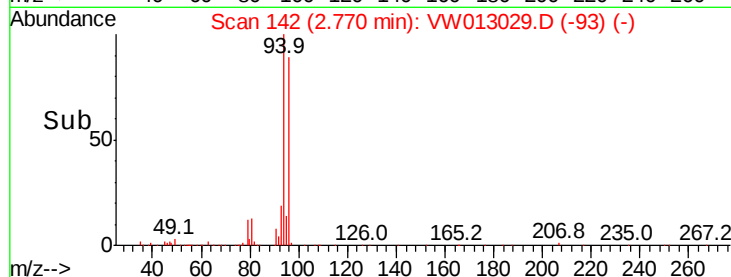
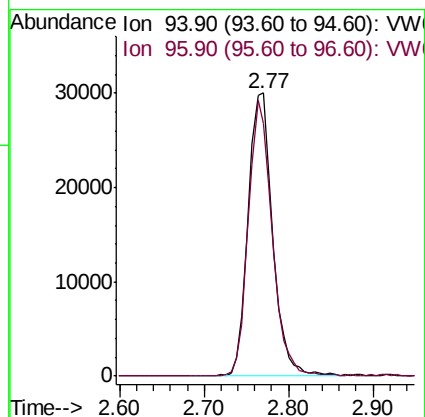
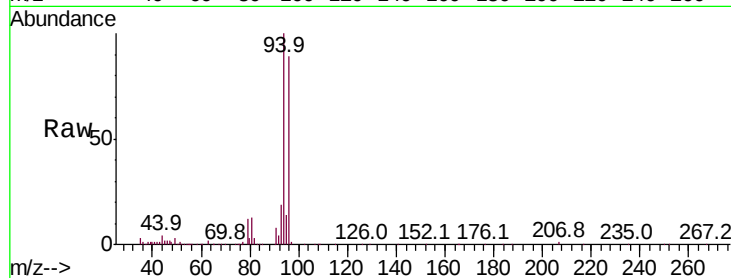
ClientSampleId :

Tot Ion: 94 Resp: 58965

Ion Ratio Lower Upper

94 100

96 89.1 77.8 116.6



#6

Chloroethane

Concen: 49.969 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW013029.D

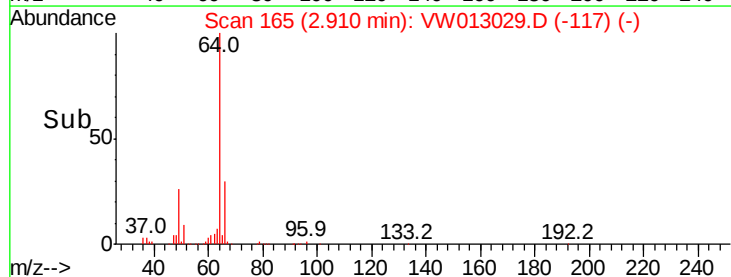
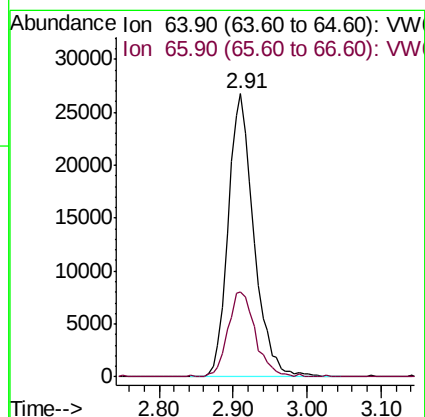
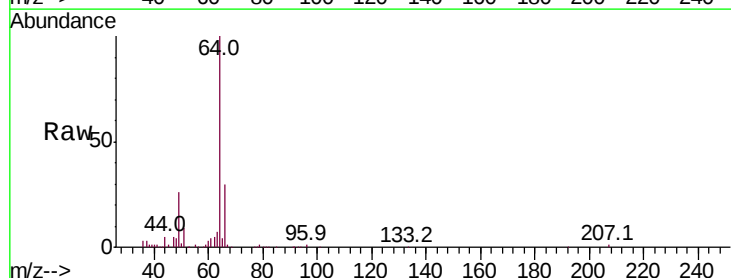
Acq: 15 Sep 2019 08:19

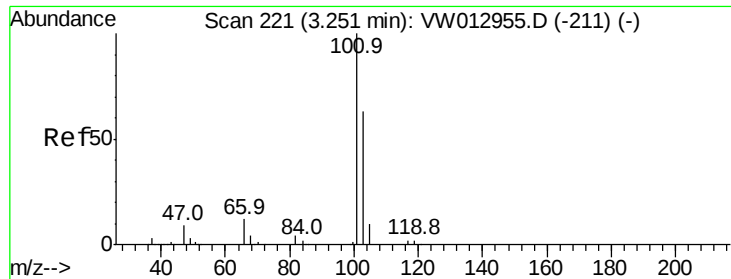
Tgt Ion: 64 Resp: 64616

Ion Ratio Lower Upper

64 100

66 29.5 25.9 38.9



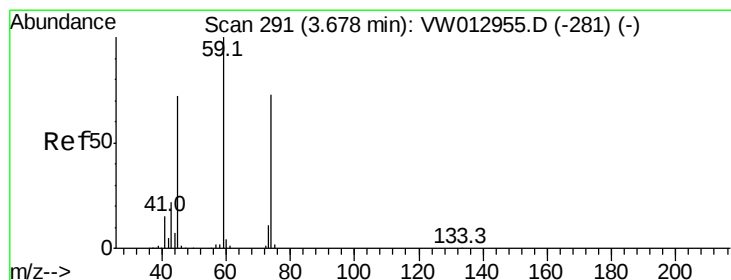
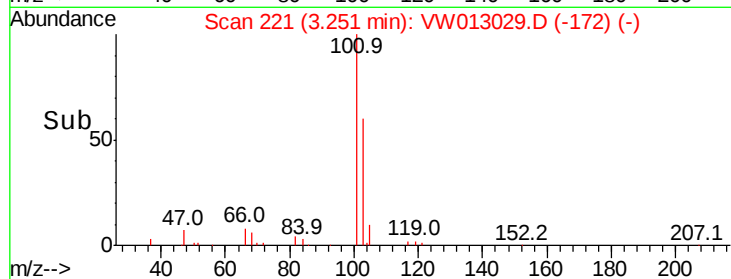
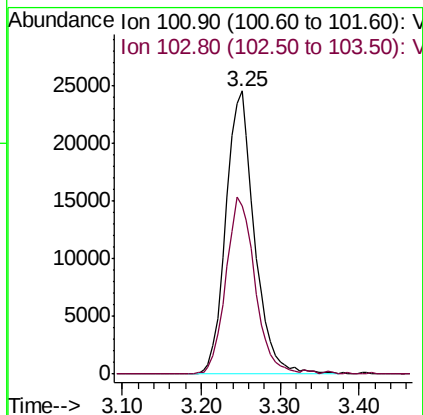
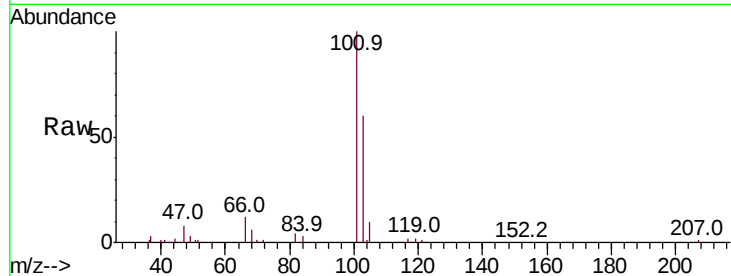


#7

Trichlorofluoromethane
 Concen: 42.004 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW013029.D
 Acq: 15 Sep 2019 08:19

Instrument :
 MSVOA_W
 ClientSampled :

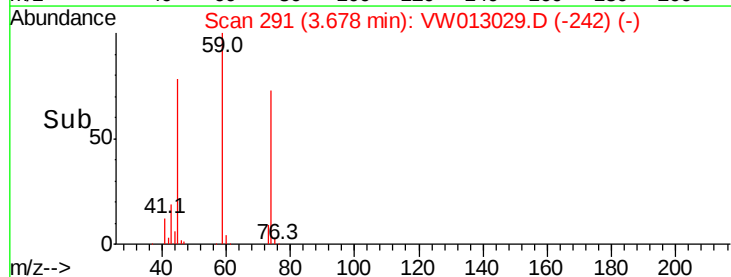
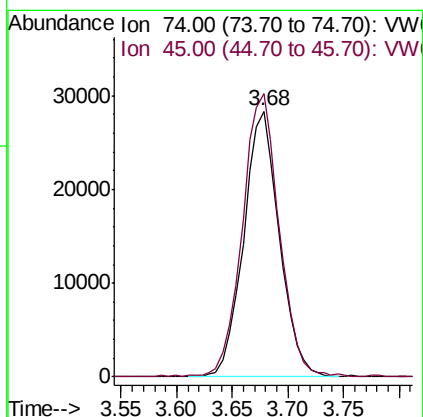
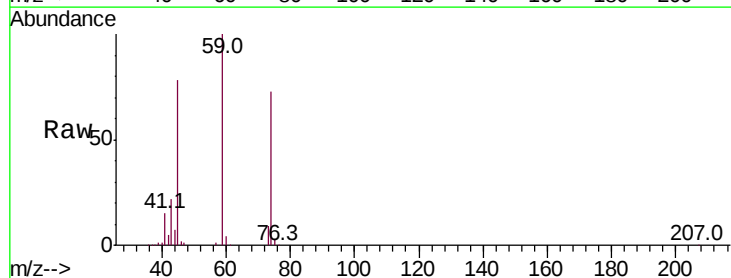
Tot Ion:101 Resp: 61930
 Ion Ratio Lower Upper
 101 100
 103 59.6 50.7 76.1

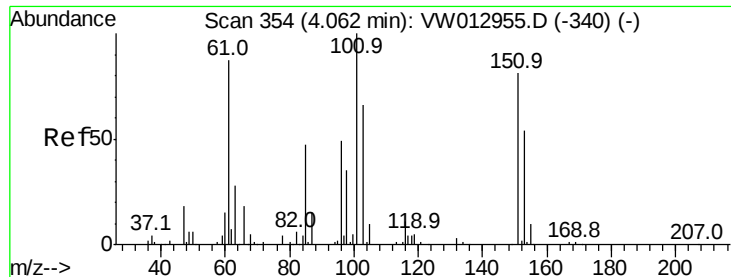


#8

Diethyl Ether
 Concen: 54.878 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW013029.D
 Acq: 15 Sep 2019 08:19

Tgt Ion: 74 Resp: 63178
 Ion Ratio Lower Upper
 74 100
 45 110.4 53.8 161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.741 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

Instrument :

MSVOA_W

ClientSampled :

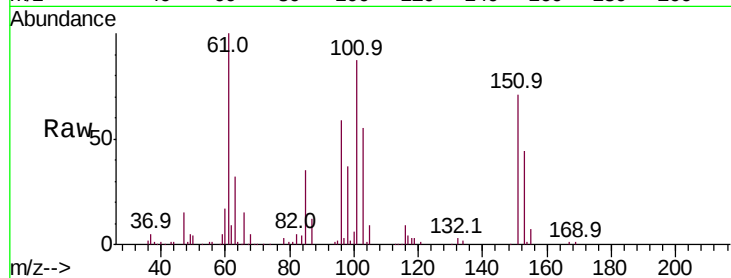
Tot Ion:101 Resp: 104520

Ion Ratio Lower Upper

101 100

85 43.4 34.9 52.3

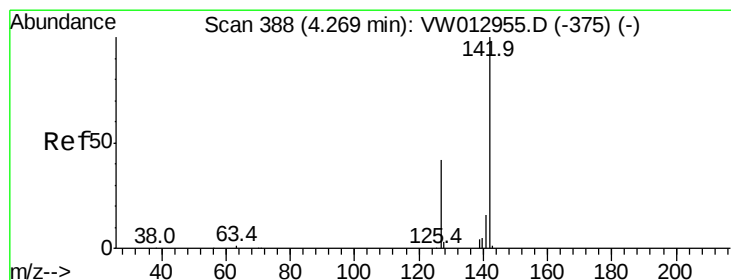
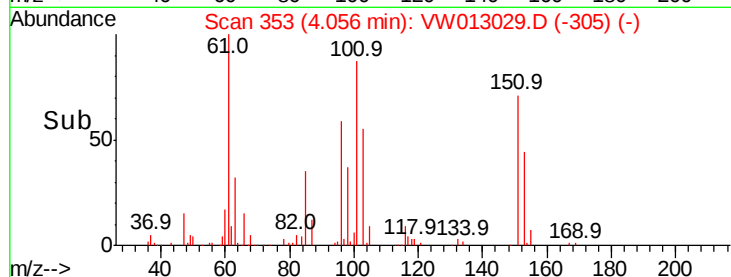
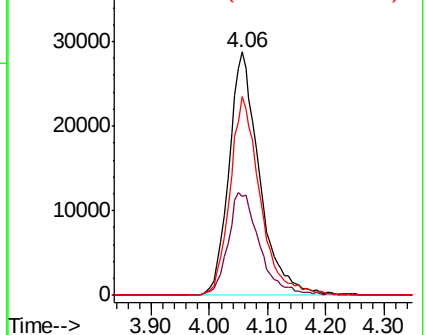
151 81.1 66.0 99.0



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: 52.758 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

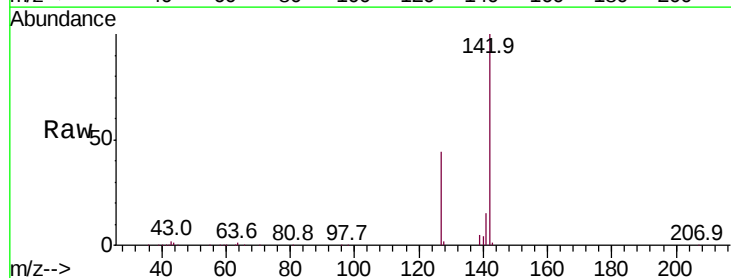
Tgt Ion:142 Resp: 147646

Ion Ratio Lower Upper

142 100

127 42.8 34.7 52.1

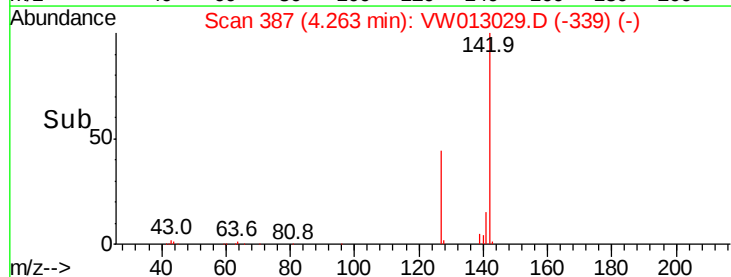
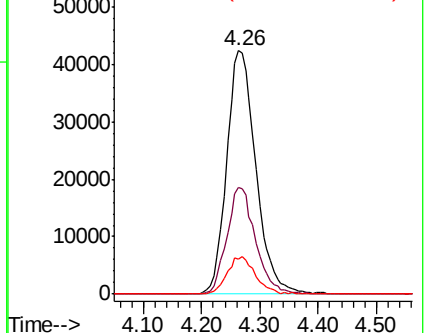
141 15.0 12.2 18.2

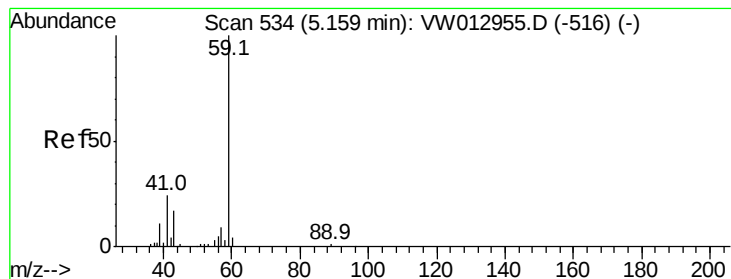


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



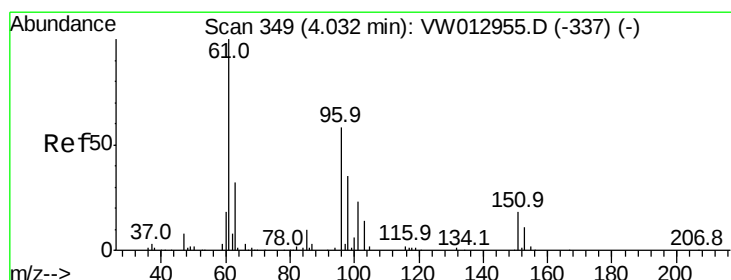
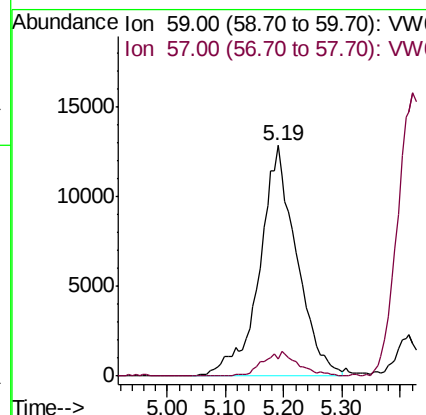
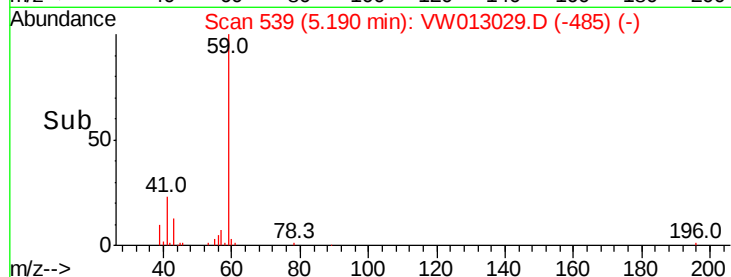
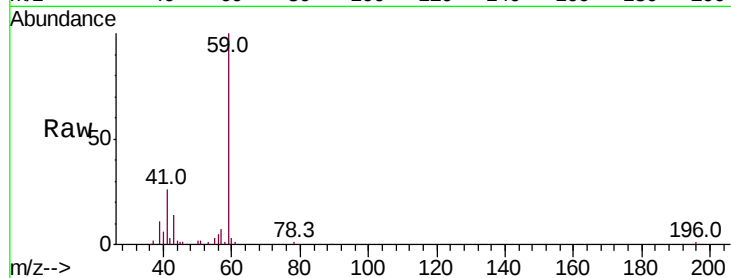


#11

Tert butyl alcohol
Concen: 312.652 ug/l
RT: 5.19 min Scan# 539
Delta R.T. 0.03 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

Instrument :
MSVOA_W
ClientSampled :

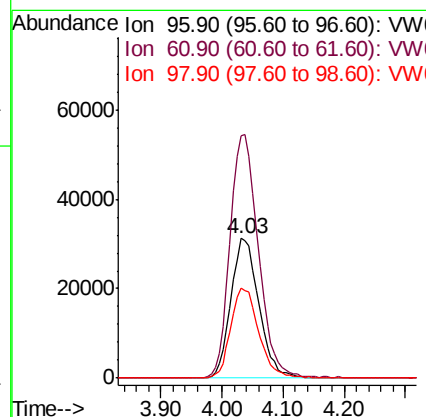
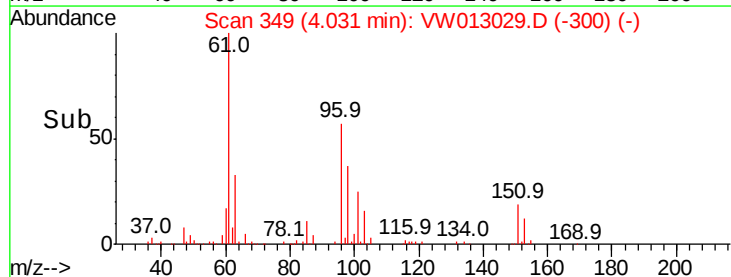
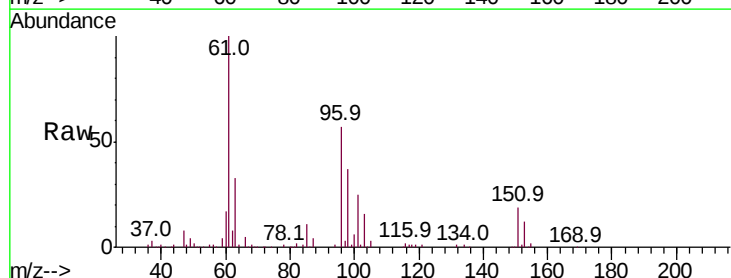
Tot Ion: 59 Resp: 56431
Ion Ratio Lower Upper
59 100
57 10.2 8.5 12.7

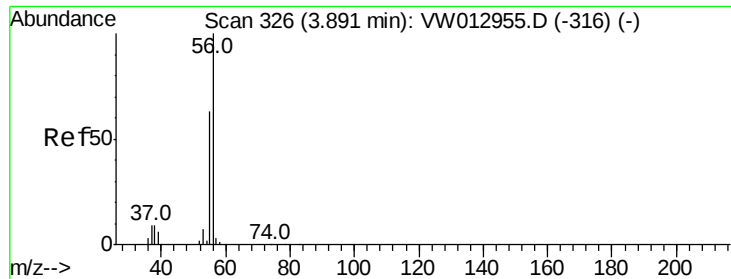


#12

1,1-Dichloroethene
Concen: 48.614 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

Tgt Ion: 96 Resp: 98844
Ion Ratio Lower Upper
96 100
61 174.1 137.9 206.9
98 64.6 48.9 73.3





#13

Acrolein

Concen: 204.551 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

Instrument :

MSVOA_W

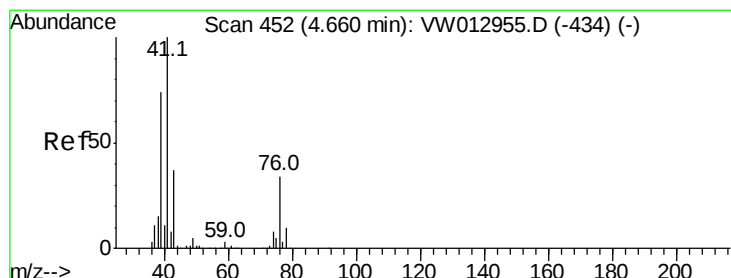
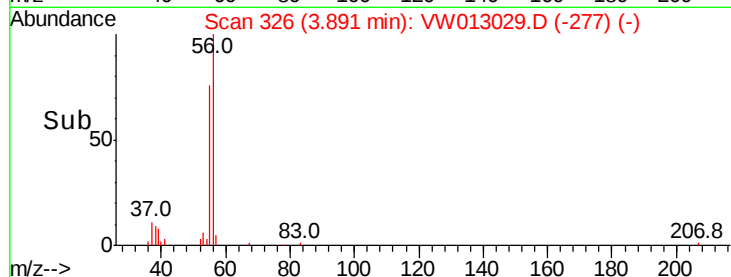
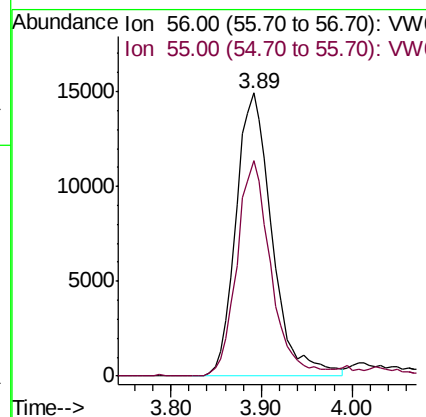
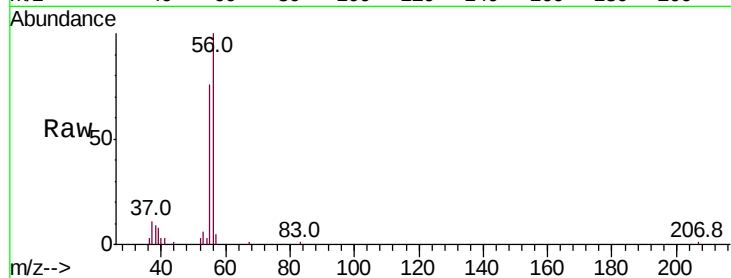
ClientSampleId :

Tot Ion: 56 Resp: 41279

Ion Ratio Lower Upper

56 100

55 72.0 55.8 83.8



#14

Allyl chloride

Concen: 52.918 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

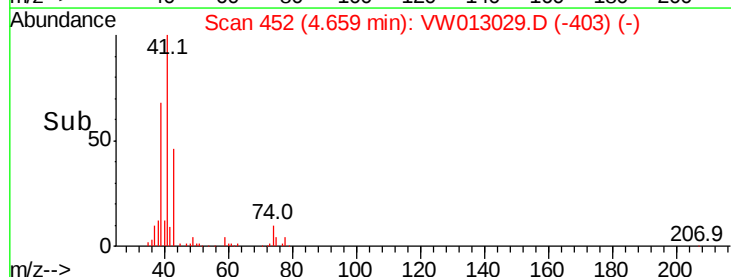
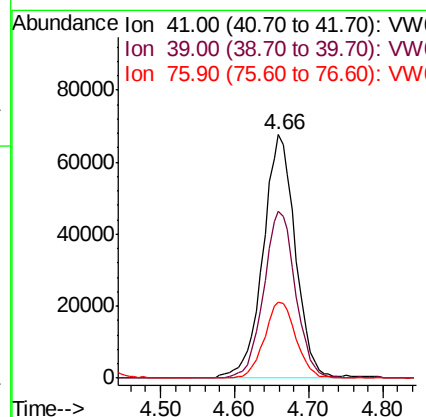
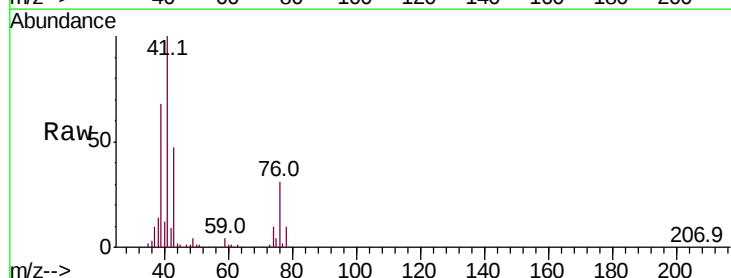
Tgt Ion: 41 Resp: 204262

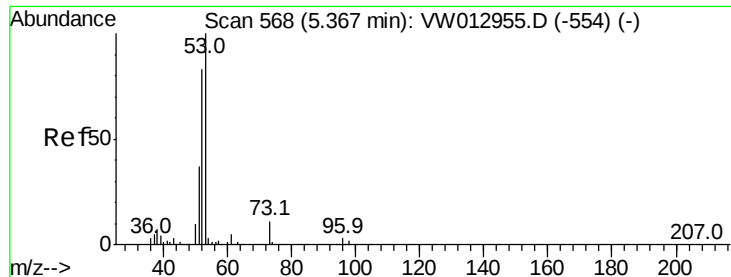
Ion Ratio Lower Upper

41 100

39 67.9 56.7 85.1

76 30.6 25.1 37.7





#15

Acrylonitrile

Concen: 304.351 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

Instrument :

MSVOA_W

ClientSampleId :

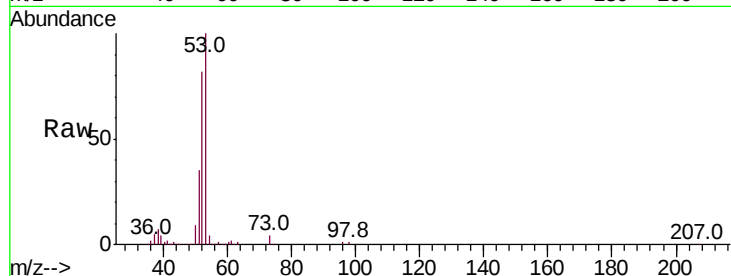
Tot Ion: 53 Resp: 178956

Ion Ratio Lower Upper

53 100

52 84.5 66.6 100.0

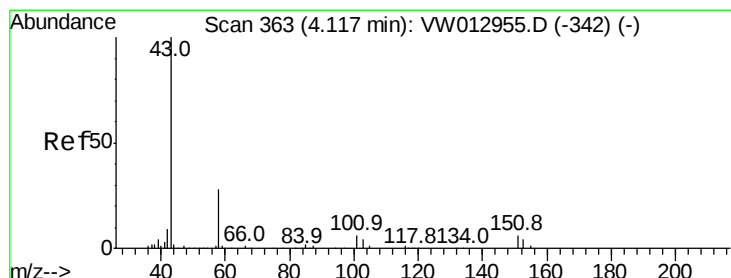
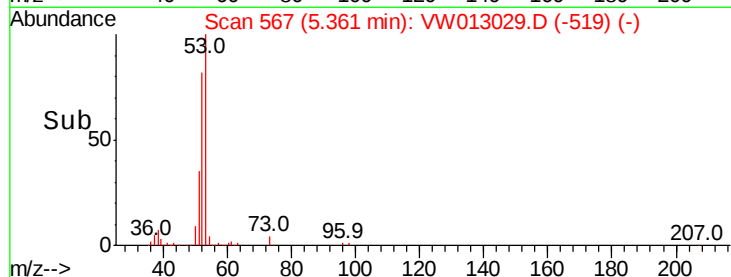
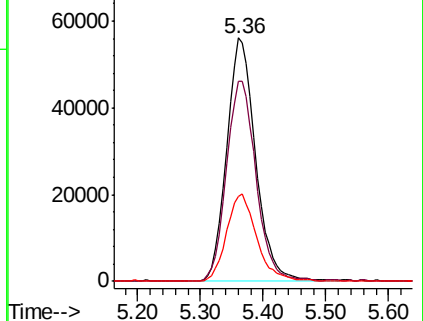
51 37.5 29.8 44.8



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 228.560 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW013029.D

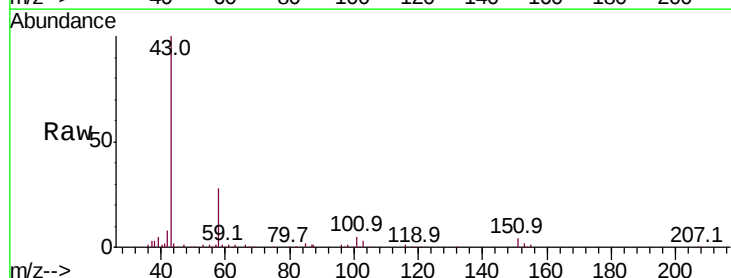
Acq: 15 Sep 2019 08:19

Tgt Ion: 43 Resp: 135912

Ion Ratio Lower Upper

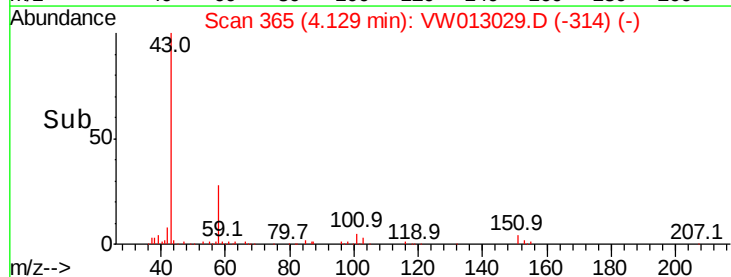
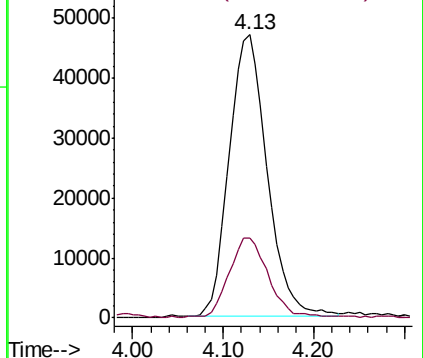
43 100

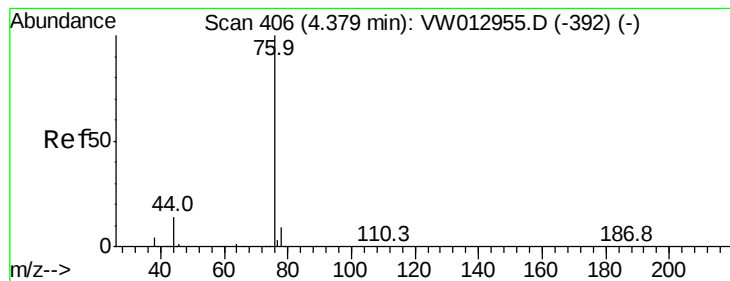
58 28.2 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 45.763 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

Instrument :

MSVOA_W

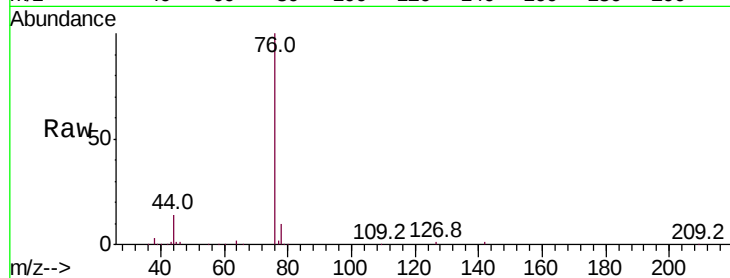
ClientSampleId :

Tot Ion: 76 Resp: 185426

Ion Ratio Lower Upper

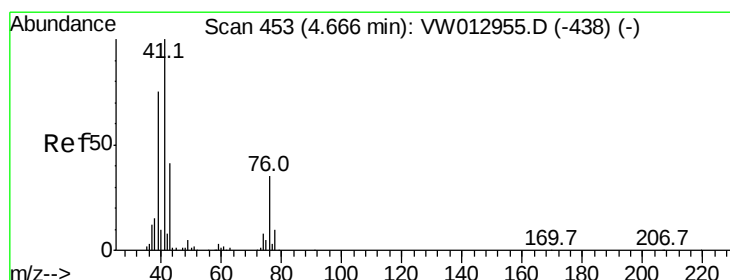
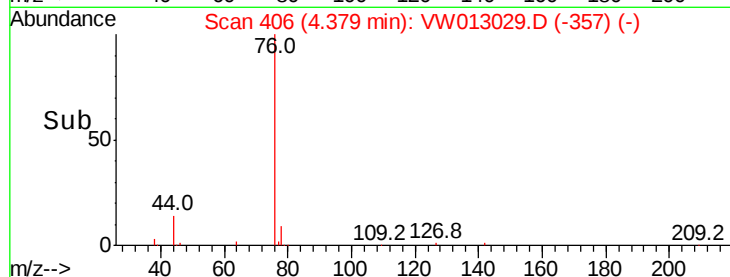
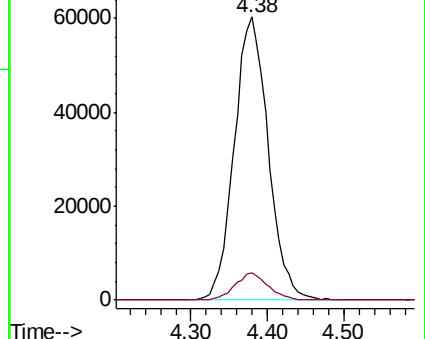
76 100

78 9.6 7.0 10.4



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 66.147 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW013029.D

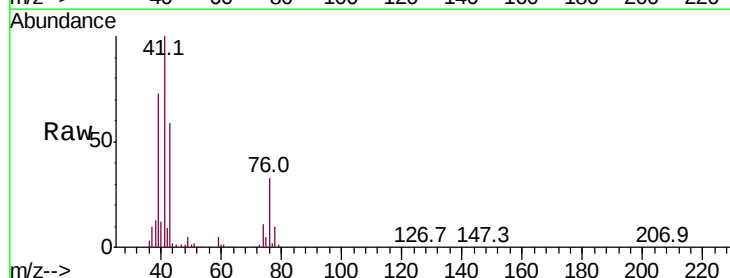
Acq: 15 Sep 2019 08:19

Tgt Ion: 43 Resp: 102523

Ion Ratio Lower Upper

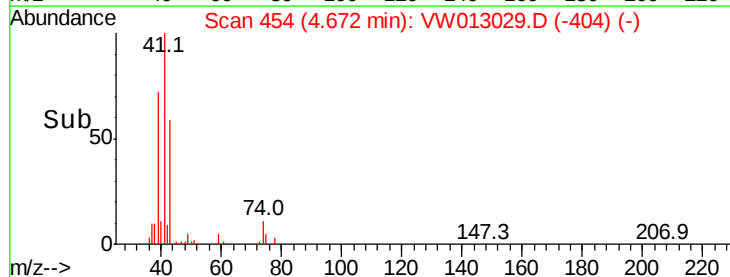
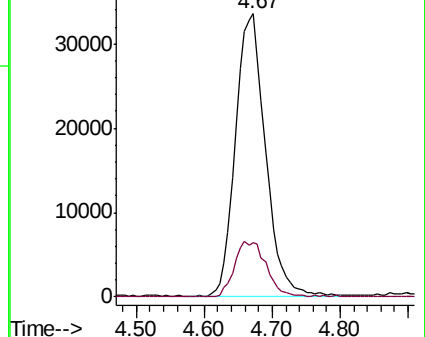
43 100

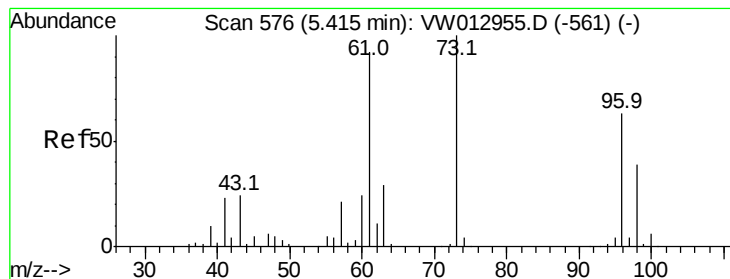
74 20.9 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



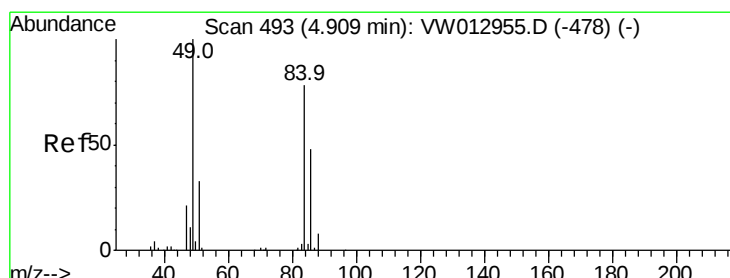
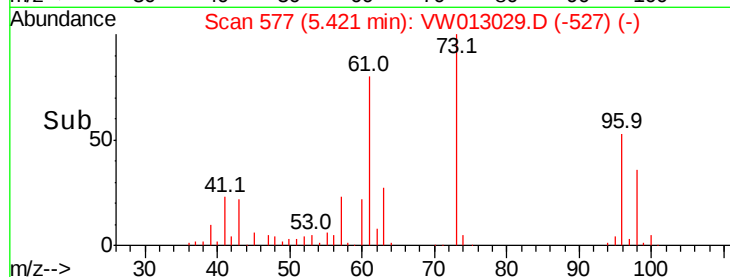
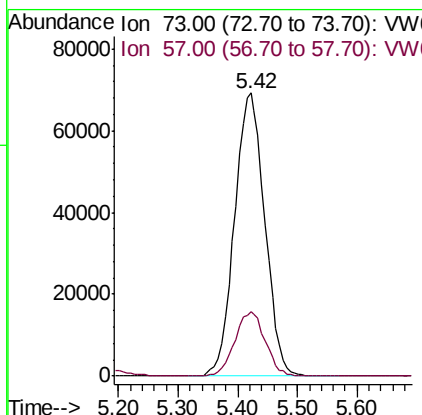
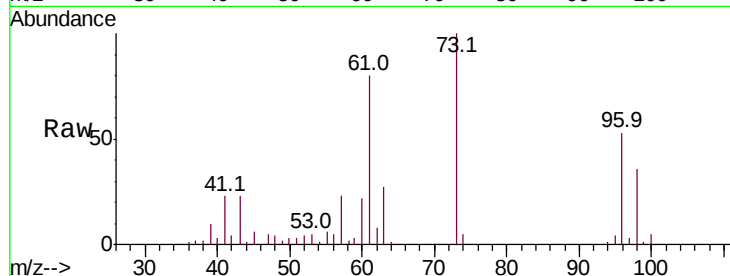


#19

Methyl tert-butyl Ether
 Concen: 60.661 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. 0.01 min
 Lab File: VW013029.D
 Acq: 15 Sep 2019 08:19

Instrument :
 MSVOA_W
 ClientSampled :

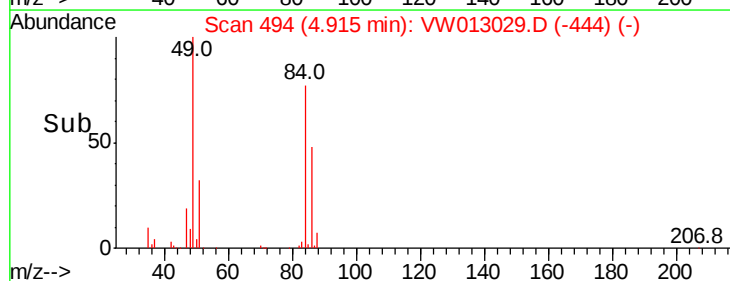
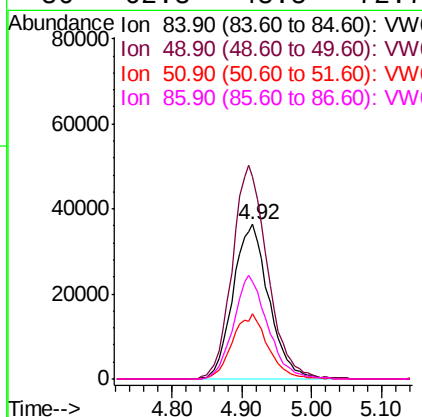
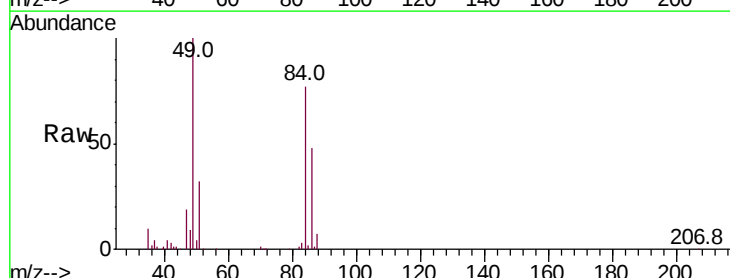
Tot Ion: 73 Resp: 243464
 Ion Ratio Lower Upper
 73 100
 57 22.7 16.4 24.6

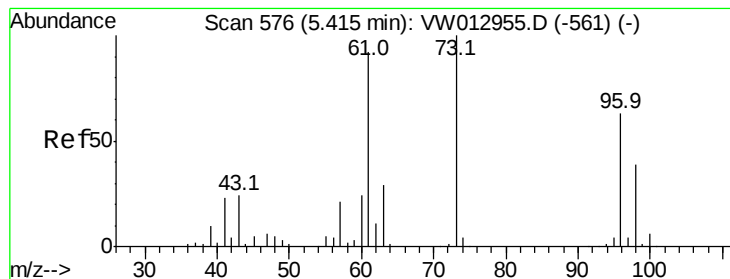


#20

Methylene Chloride
 Concen: 59.976 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.01 min
 Lab File: VW013029.D
 Acq: 15 Sep 2019 08:19

Tgt Ion: 84 Resp: 129545
 Ion Ratio Lower Upper
 84 100
 49 130.7 102.0 153.0
 51 42.0 34.0 51.0
 86 62.8 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 53.005 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

Instrument :
MSVOA_W
ClientSampleId :

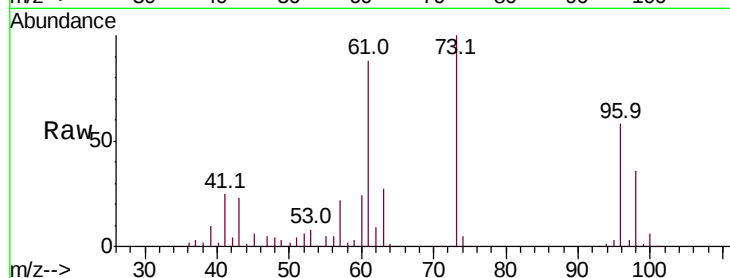
Tot Ion: 96 Resp: 115427

Ion Ratio Lower Upper

96 100

61 152.7 116.2 174.2

98 62.0 49.8 74.6

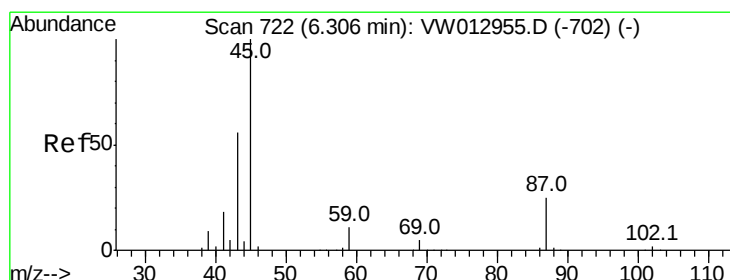
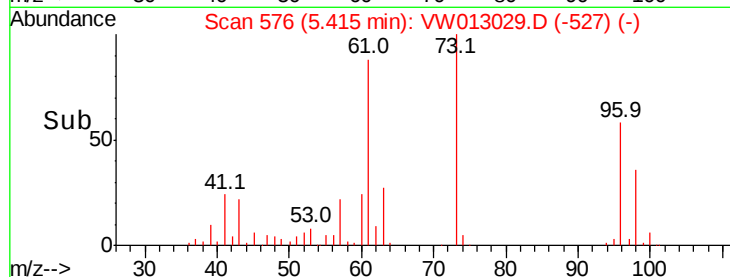
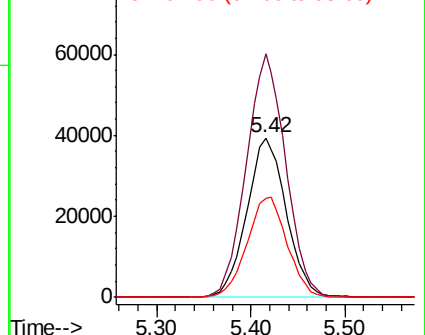


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 60.734 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

Tgt Ion: 45 Resp: 487012

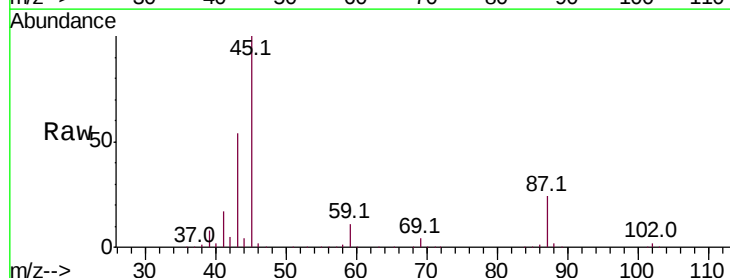
Ion Ratio Lower Upper

45 100

43 53.8 44.6 67.0

87 24.4 20.0 30.0

59 10.5 8.7 13.1



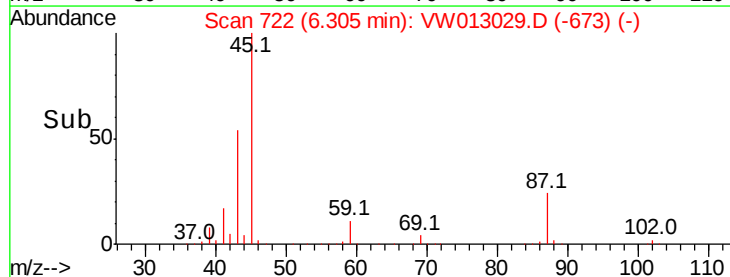
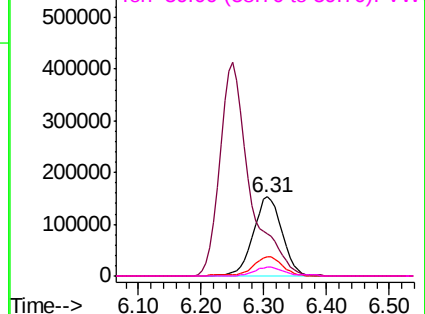
Abundance

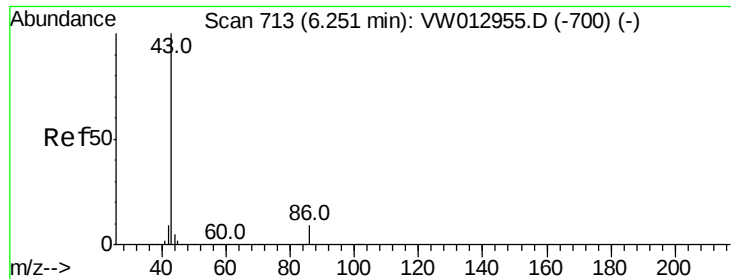
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 284.766 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

Instrument :

MSVOA_W

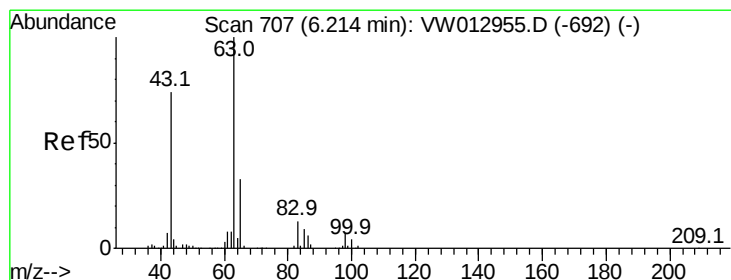
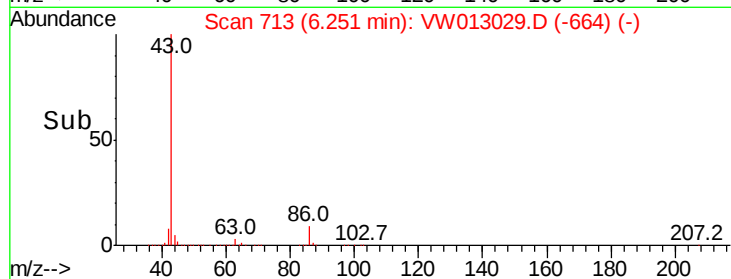
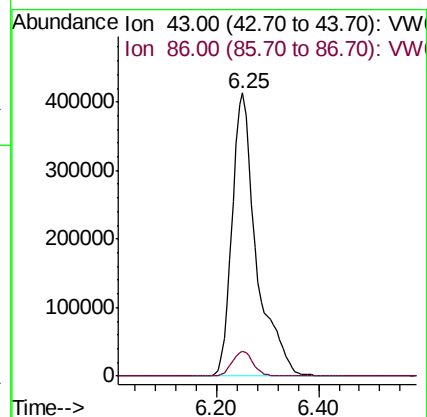
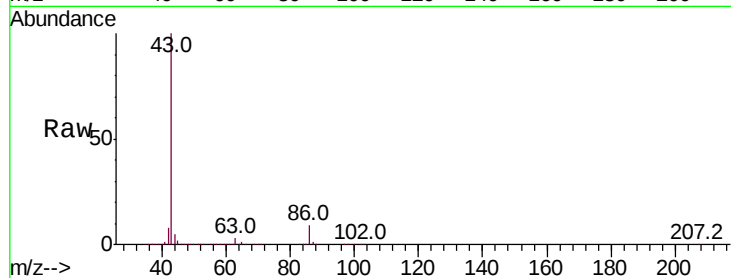
ClientSampleId :

Tot Ion: 43 Resp: 1367671

Ion Ratio Lower Upper

43 100

86 8.9 7.0 10.6



#24

1,1-Dichloroethane

Concen: 54.714 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

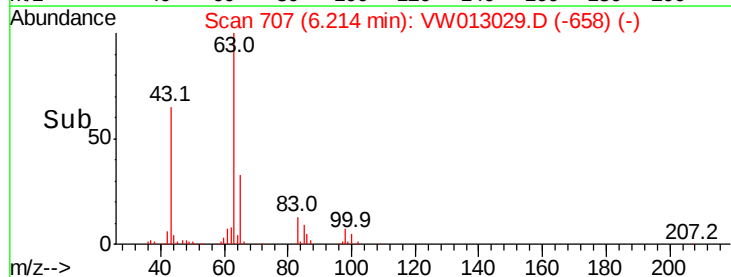
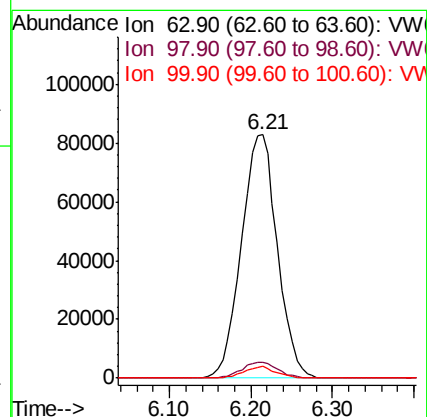
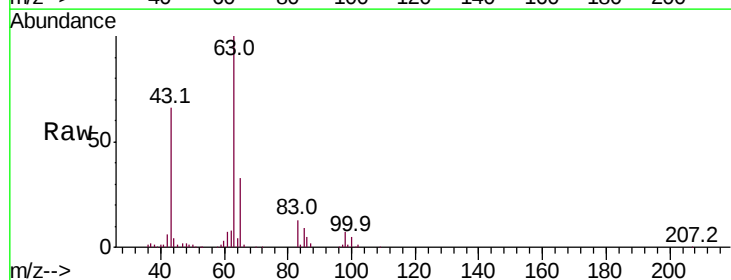
Tgt Ion: 63 Resp: 252964

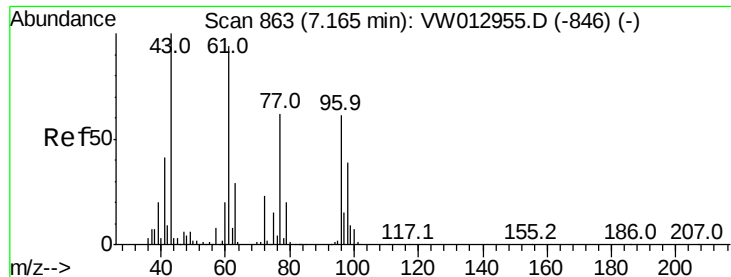
Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.9

100 4.7 1.8 5.5





#25

2-Butanone

Concen: 285.353 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

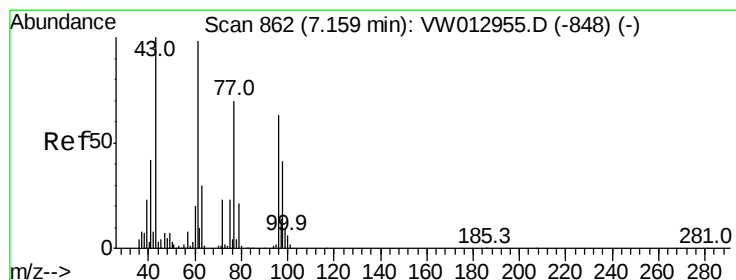
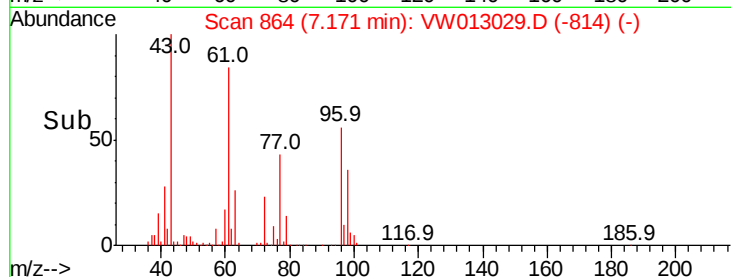
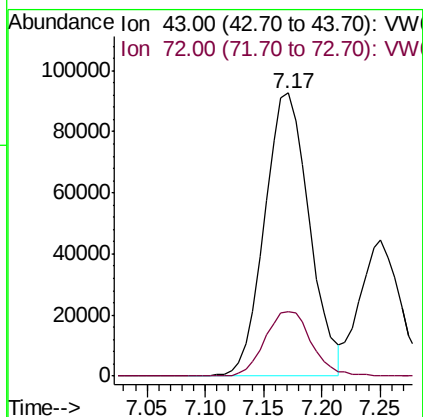
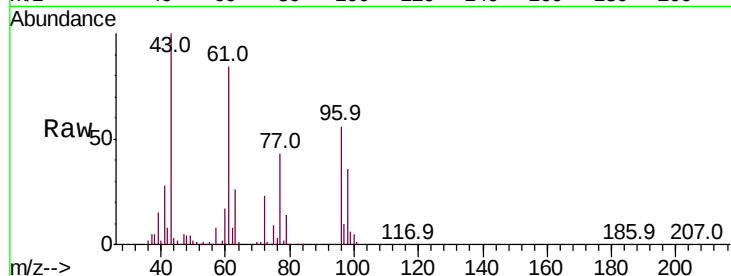
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 246845

Ion Ratio Lower Upper

43 100

72 22.9 18.2 27.4



#26

2,2-Dichloropropane

Concen: 43.676 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW013029.D

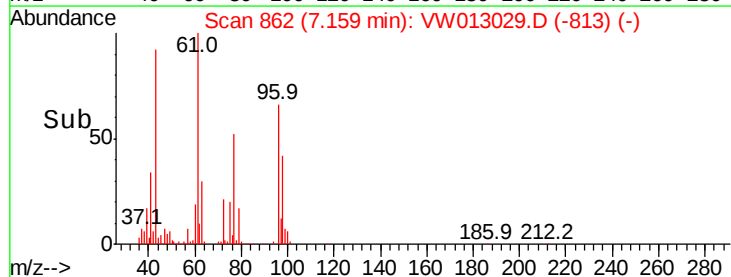
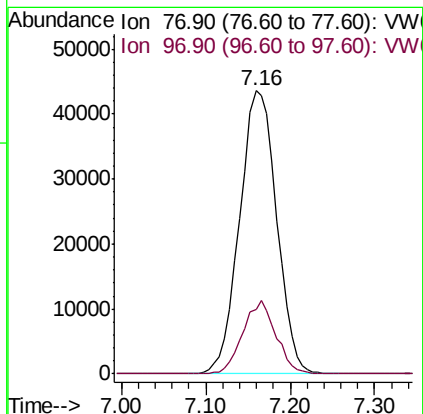
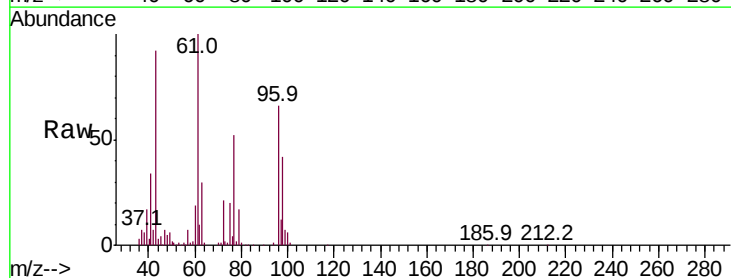
Acq: 15 Sep 2019 08:19

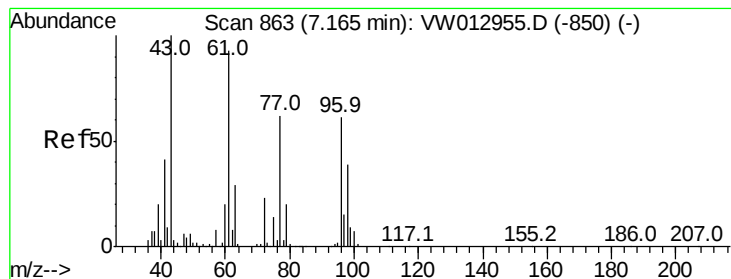
Tgt Ion: 77 Resp: 129761

Ion Ratio Lower Upper

77 100

97 23.3 10.7 32.1



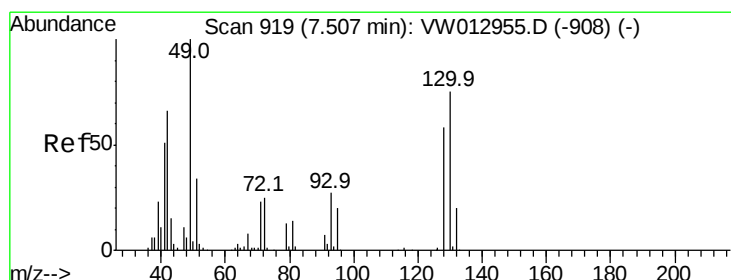
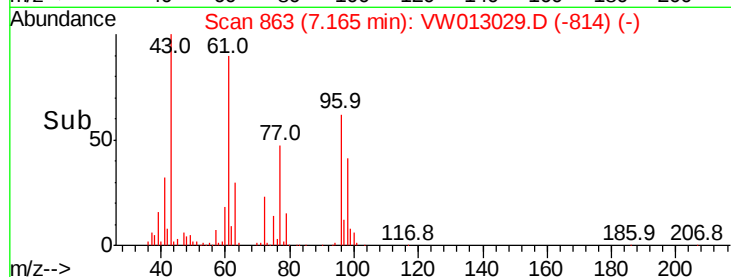
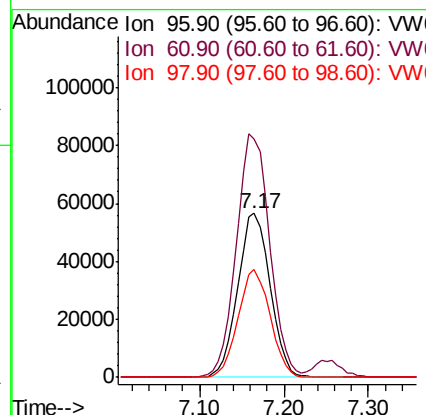
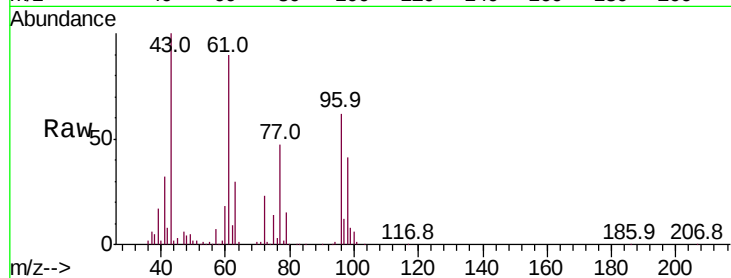


#27

cis-1,2-Dichloroethene
Concen: 56.458 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

Instrument :
MSVOA_W
ClientSampleId :

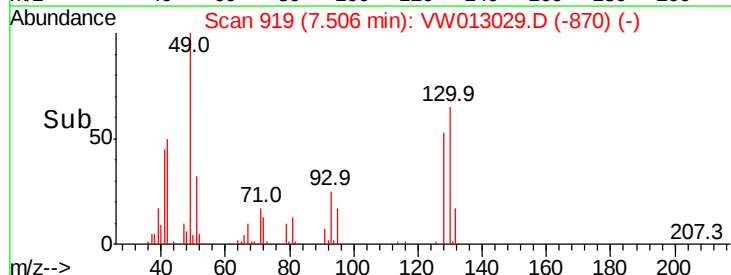
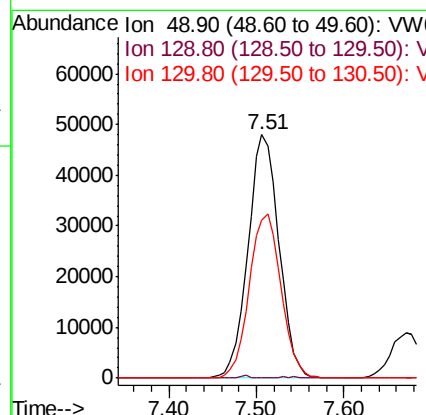
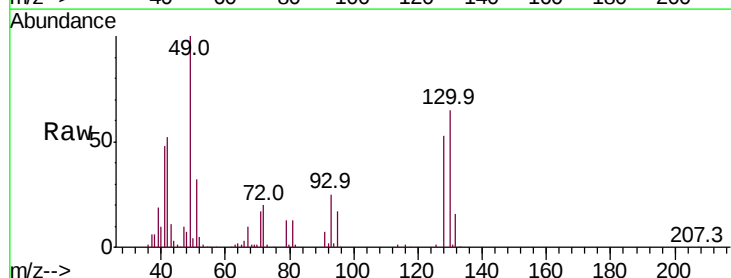
Tot Ion	Ratio	Lower	Upper
96	100		
61	153.0	0.0	315.4
98	65.2	0.0	131.0

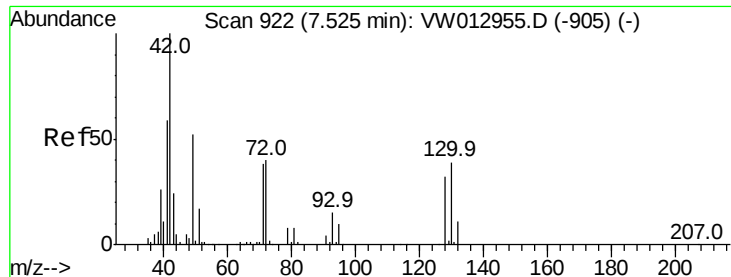


#28

Bromochloromethane
Concen: 60.680 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	1.4
130	69.3	57.8	86.6

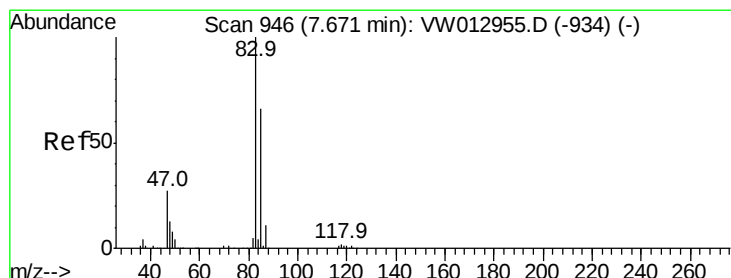
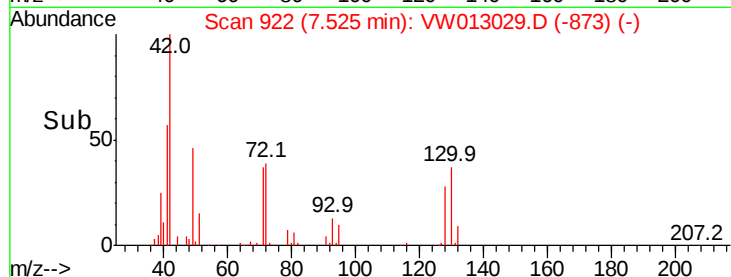
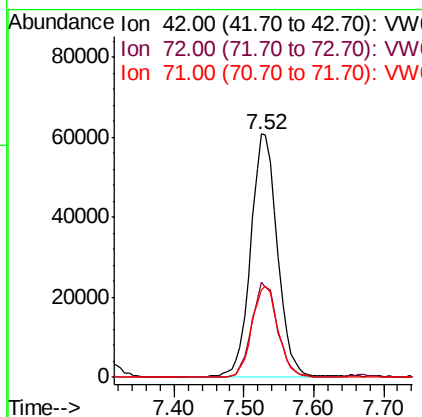
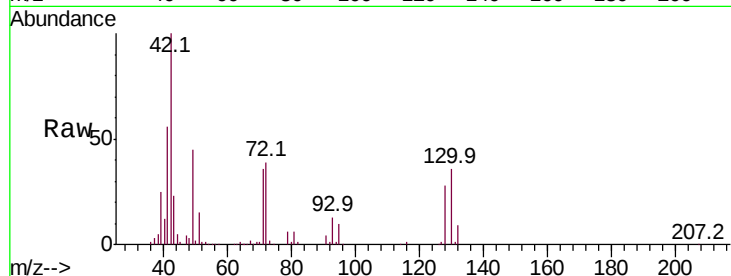




#29
Tetrahydrofuran
Concen: 328.180 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

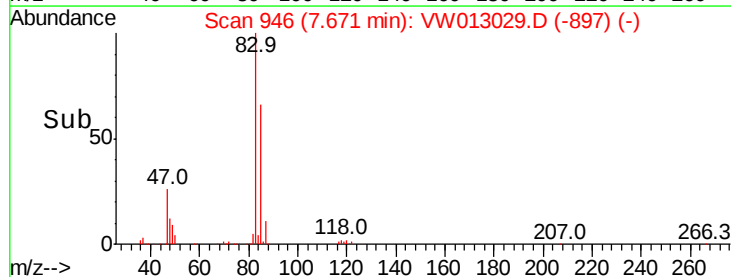
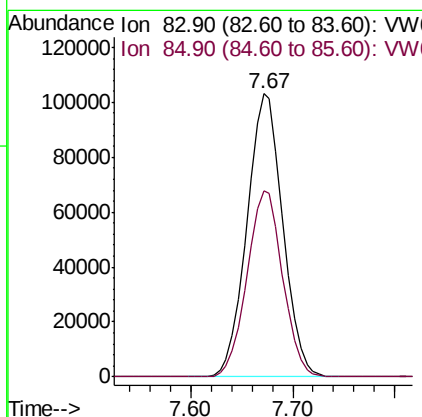
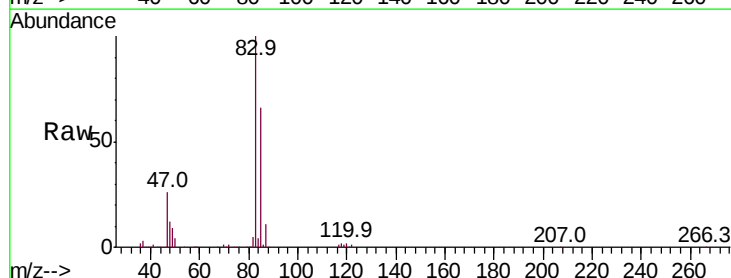
Instrument :
MSVOA_W
ClientSampleId :

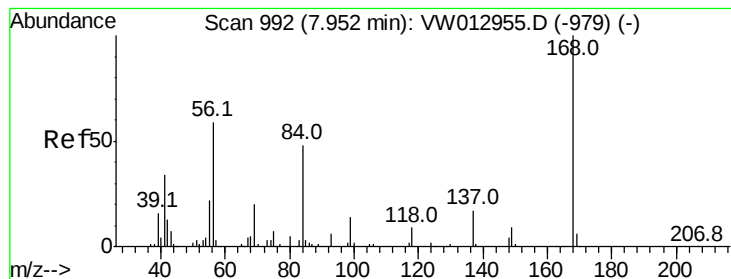
Tot Ion: 42 Resp: 161757
Ion Ratio Lower Upper
42 100
72 37.7 31.4 47.0
71 36.4 29.8 44.8



#30
Chloroform
Concen: 53.585 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

Tgt Ion: 83 Resp: 251727
Ion Ratio Lower Upper
83 100
85 65.7 52.8 79.2





#31

Cyclohexane

Concen: 54.488 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

Instrument :
MSVOA_W
ClientSampled :

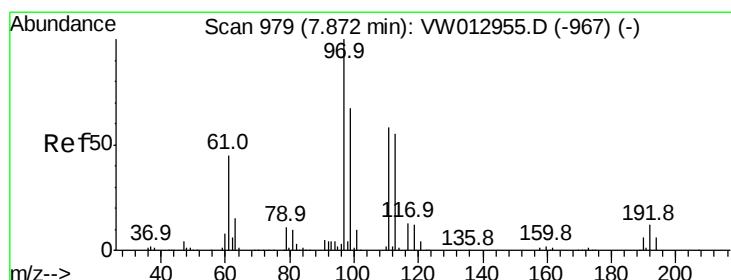
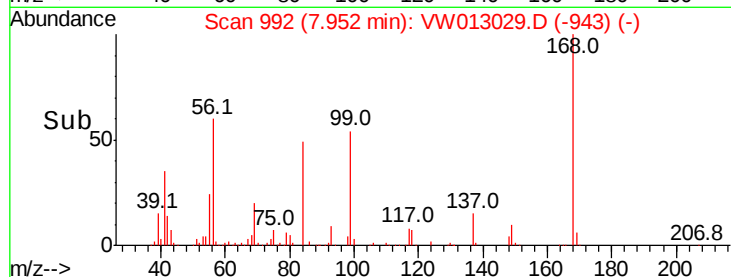
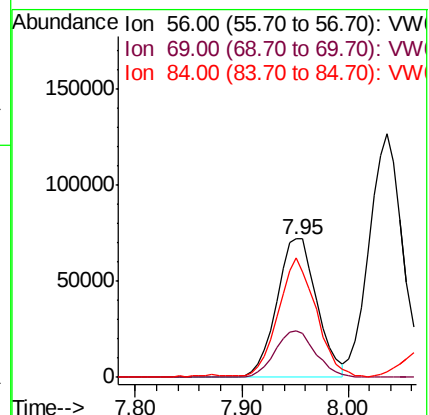
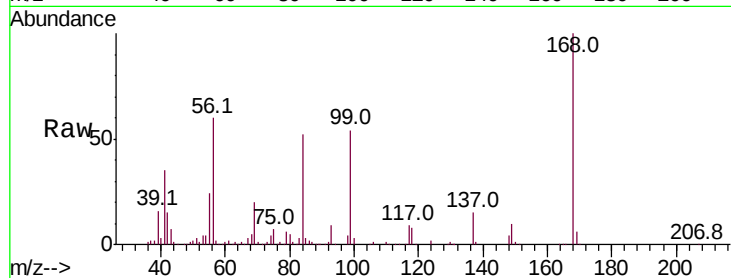
Tot Ion: 56 Resp: 187782

Ion Ratio Lower Upper

56 100

69 33.5 27.0 40.6

84 84.8 66.2 99.2



#32

1,1,1-Trichloroethane

Concen: 51.713 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

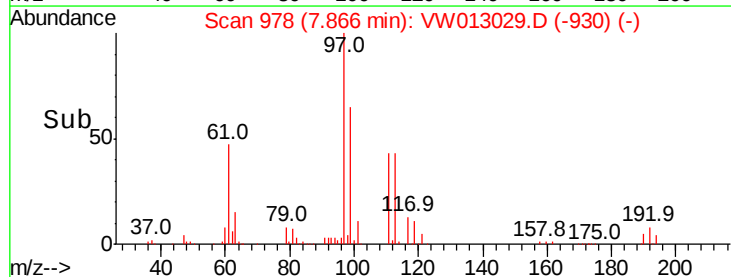
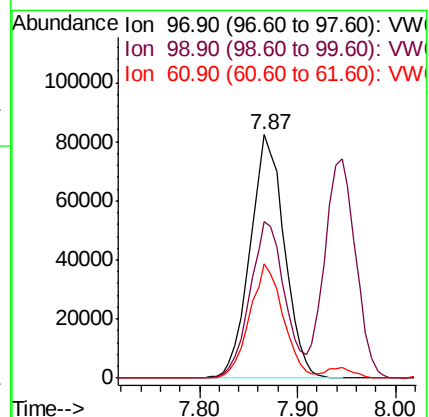
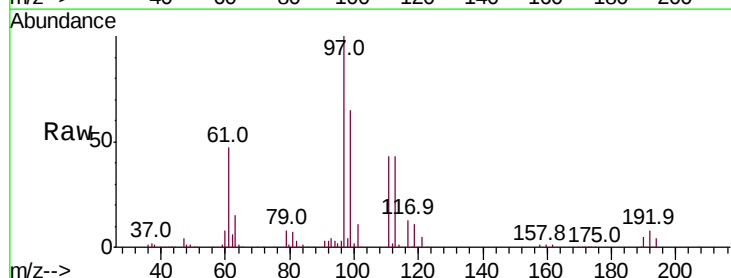
Tgt Ion: 97 Resp: 200060

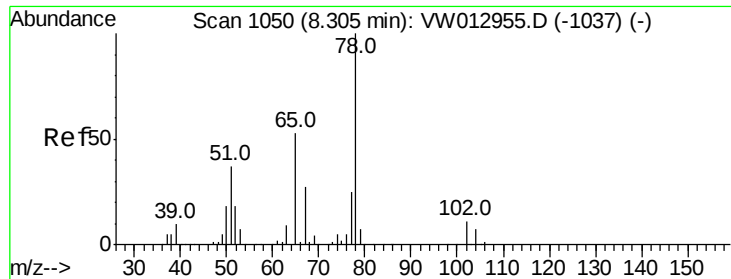
Ion Ratio Lower Upper

97 100

99 65.7 53.0 79.4

61 46.2 36.5 54.7





#33

1,2-Dichloroethane-d4

Concen: 55.028 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

Instrument :

MSVOA_W

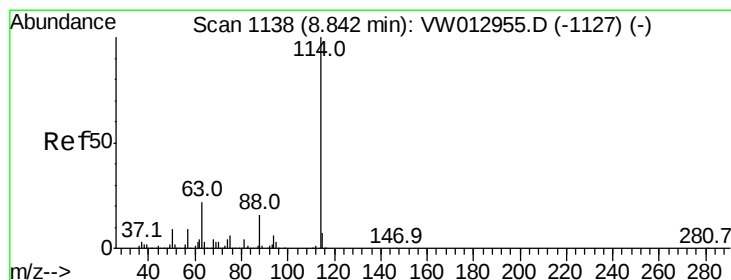
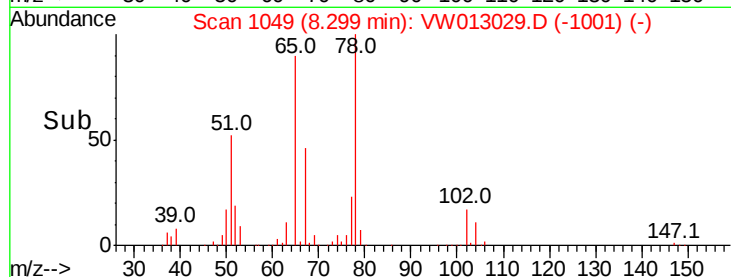
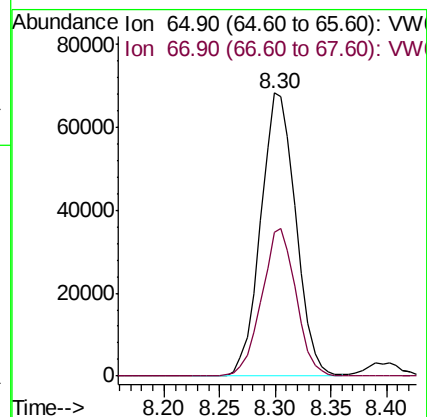
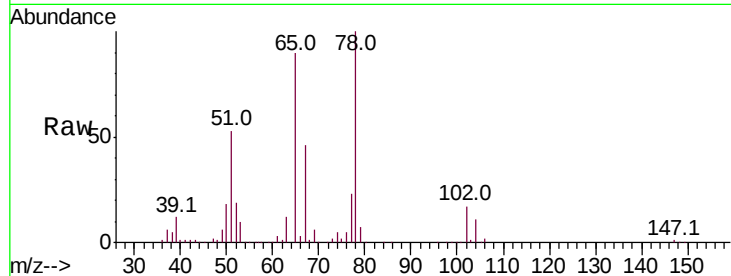
ClientSampleId :

Tot Ion: 65 Resp: 149702

Ion Ratio Lower Upper

65 100

67 51.1 0.0 101.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

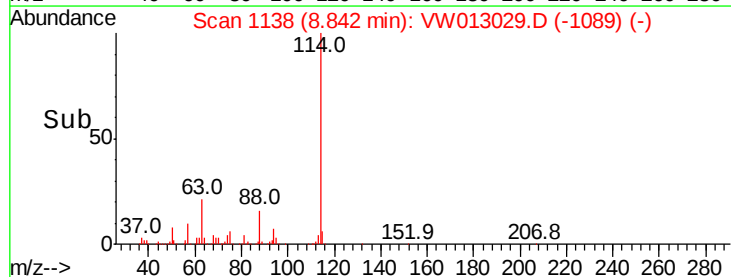
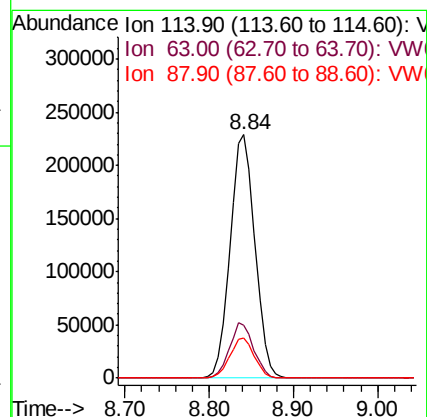
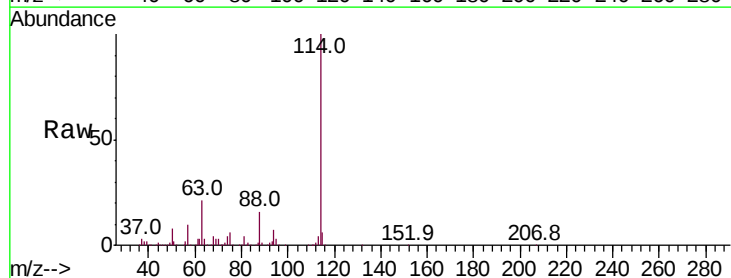
Tgt Ion: 114 Resp: 458372

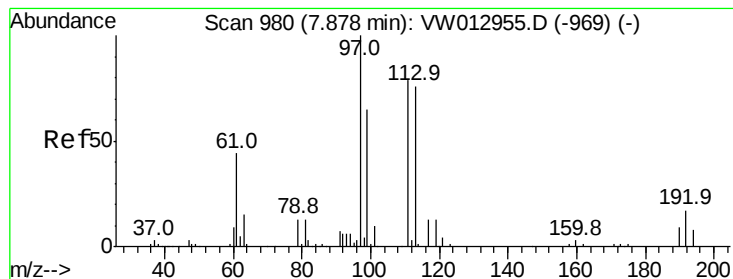
Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.4

88 16.2 0.0 31.6





#35

Dibromofluoromethane

Concen: 53.090 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

Instrument :

MSVOA_W

ClientSampleId :

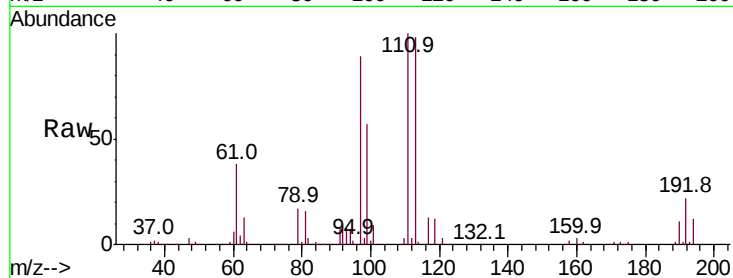
Tot Ion:113 Resp: 132045

Ion Ratio Lower Upper

113 100

111 102.2 82.8 124.2

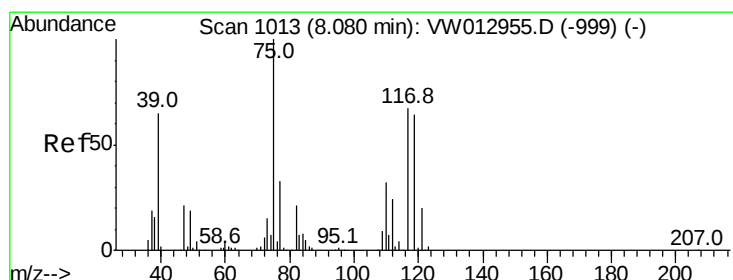
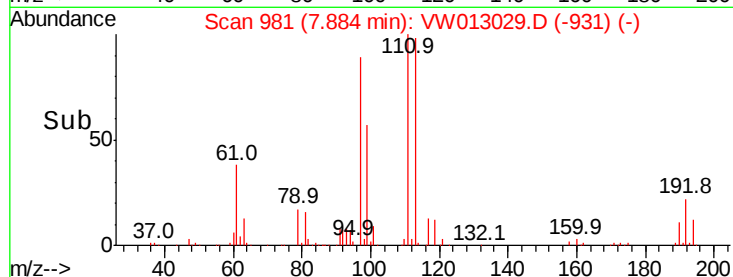
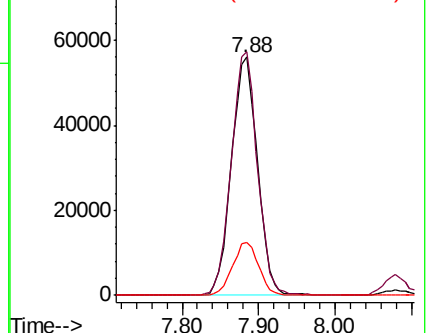
192 22.2 17.8 26.8



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: 48.898 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

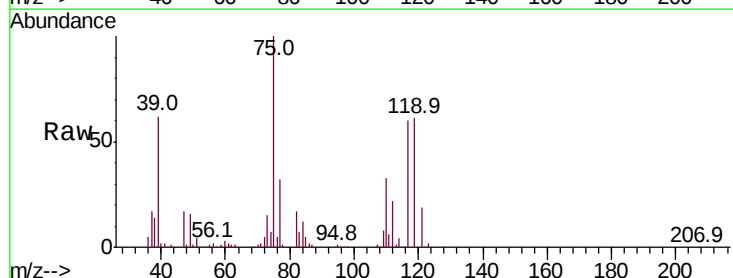
Tgt Ion: 75 Resp: 179104

Ion Ratio Lower Upper

75 100

110 33.5 16.4 49.1

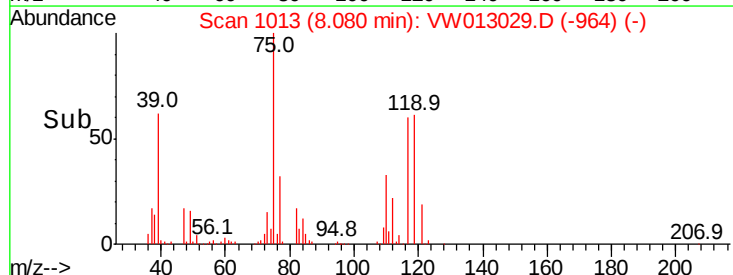
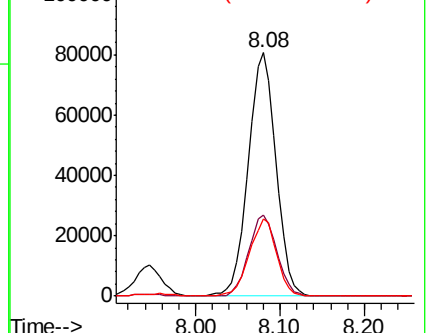
77 31.3 25.1 37.7

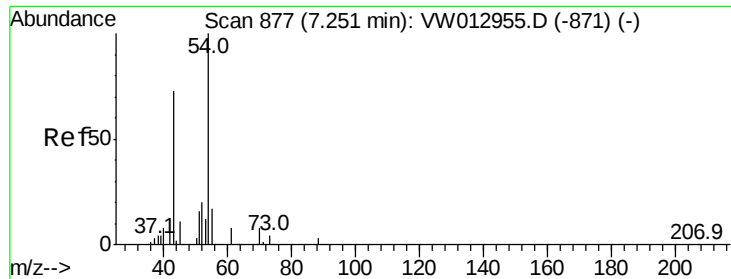


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

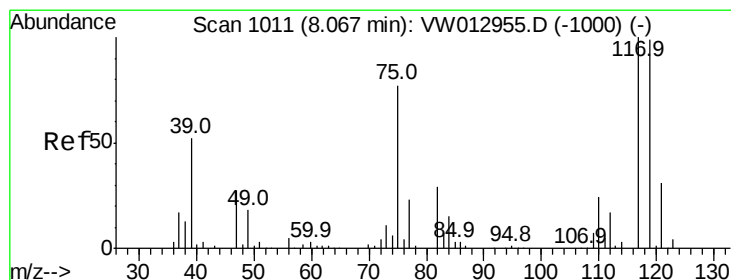
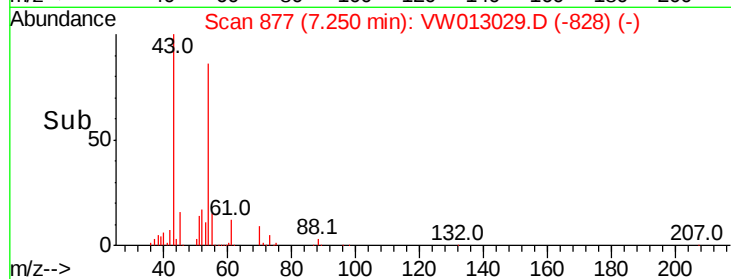
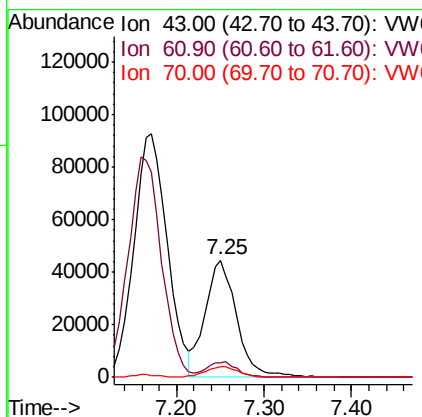
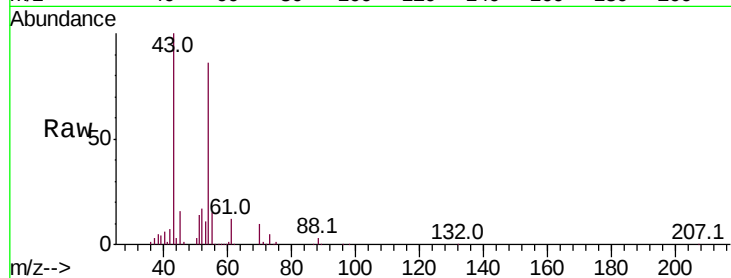




#37
Ethyl Acetate
Concen: 57.048 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

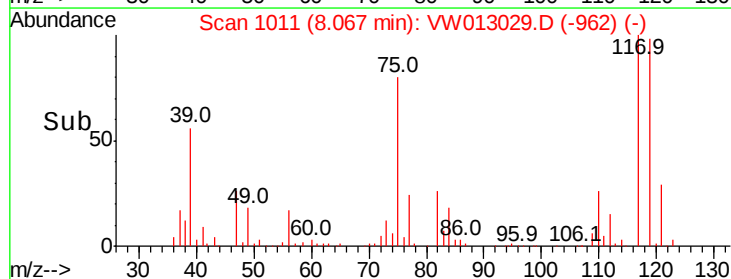
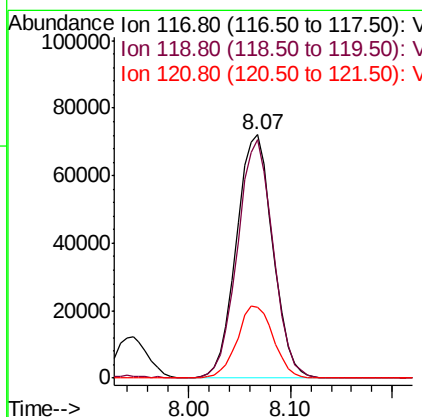
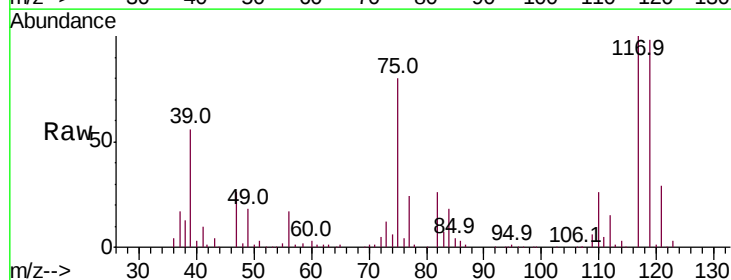
Instrument :
MSVOA_W
ClientSampled :

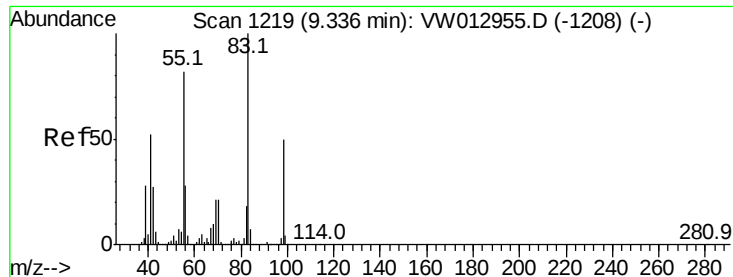
Tot Ion: 43 Resp: 110911
Ion Ratio Lower Upper
43 100
61 12.3 9.6 14.4
70 9.7 7.6 11.4



#38
Carbon Tetrachloride
Concen: 47.686 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

Tgt Ion: 117 Resp: 178991
Ion Ratio Lower Upper
117 100
119 98.1 79.4 119.0
121 28.9 24.6 36.8

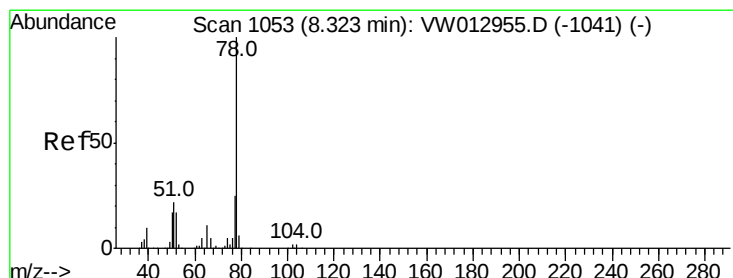
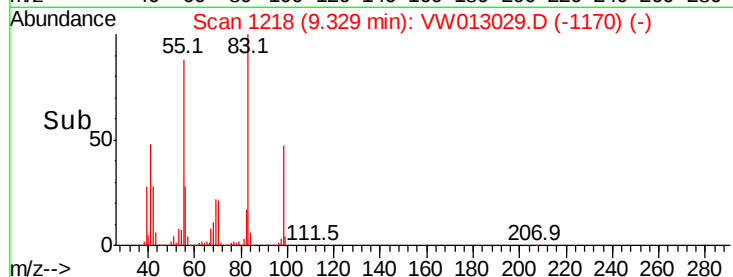
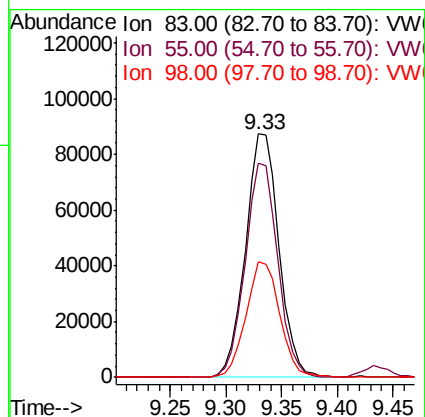
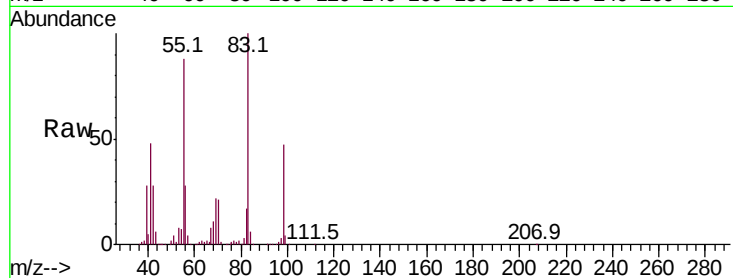




#39
Methvlcvclohexane
Concen: 45.578 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

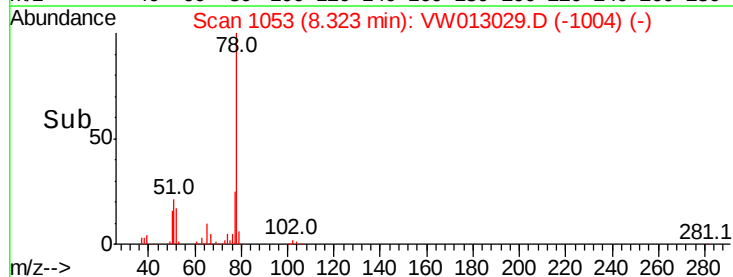
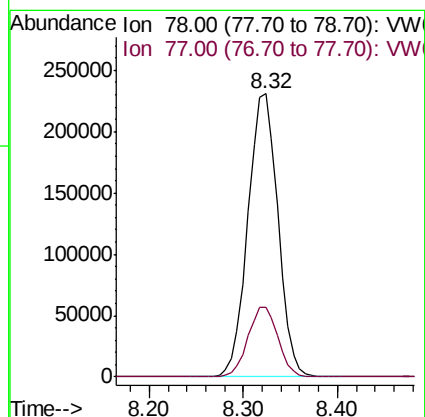
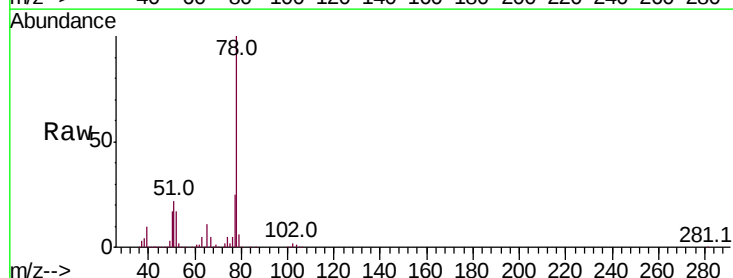
Instrument :
MSVOA_W
ClientSampled :

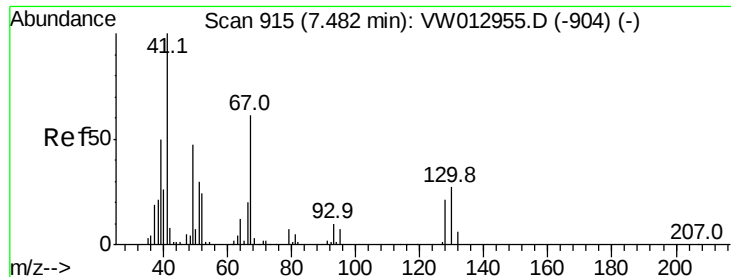
Tot Ion: 83 Resp: 182932
Ion Ratio Lower Upper
83 100
55 87.7 65.9 98.9
98 47.2 39.6 59.4



#40
Benzene
Concen: 50.293 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

Tgt Ion: 78 Resp: 514260
Ion Ratio Lower Upper
78 100
77 24.6 19.6 29.4

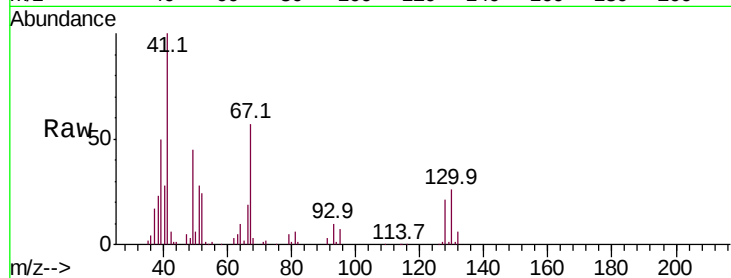




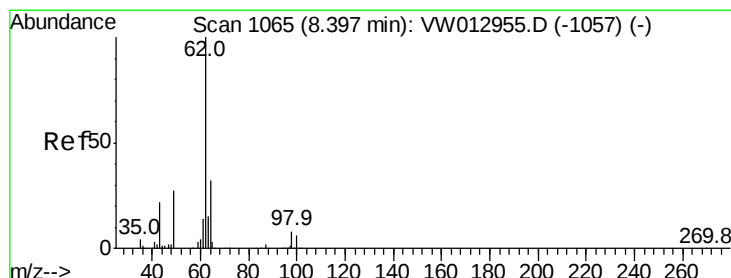
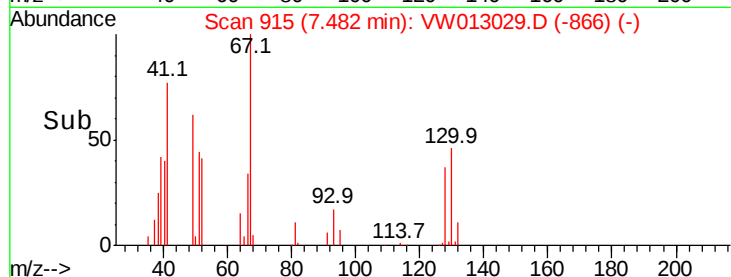
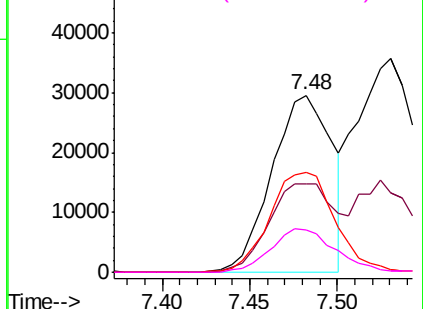
#41
Methacrylonitrile
Concen: 55.263 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 41 Resp: 70753
Ion Ratio Lower Upper
41 100
39 57.7 48.2 72.4
67 61.4 47.5 71.3
52 26.6 21.0 31.4

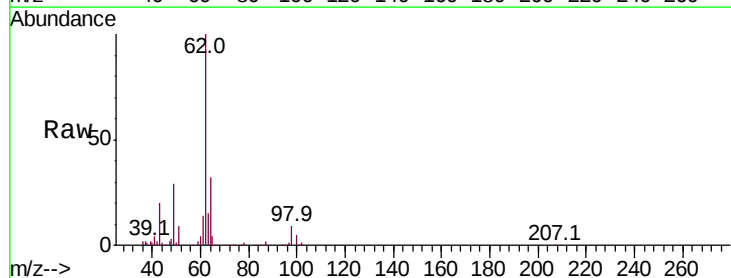


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

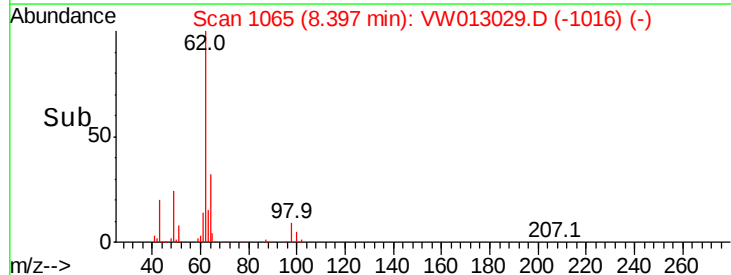
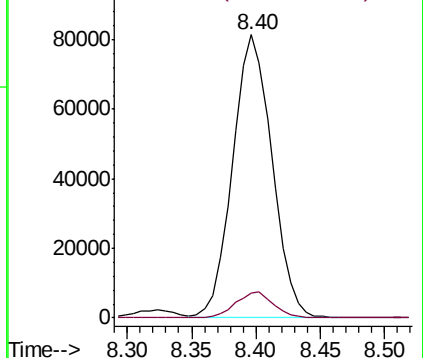


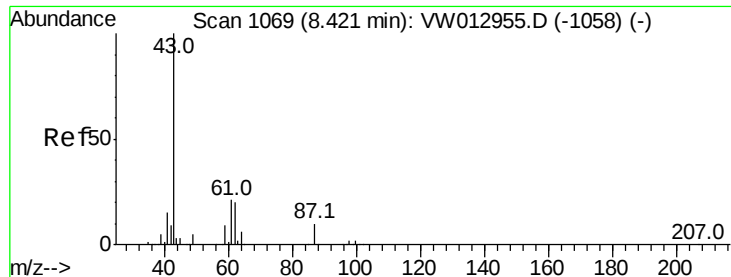
#42
1,2-Dichloroethane
Concen: 50.342 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

Tgt Ion: 62 Resp: 172558
Ion Ratio Lower Upper
62 100
98 8.9 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: 56.698 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

Instrument :

MSVOA_W

ClientSampleId :

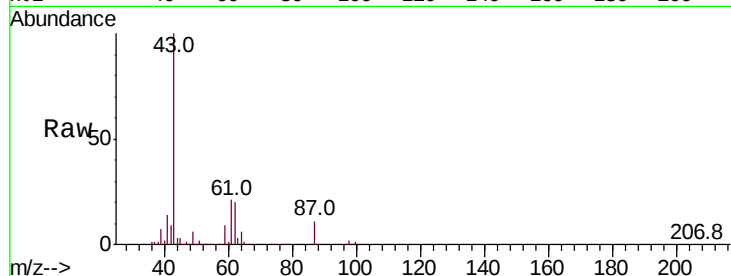
Tot Ion: 43 Resp: 211646

Ion Ratio Lower Upper

43 100

61 27.6 22.7 34.1

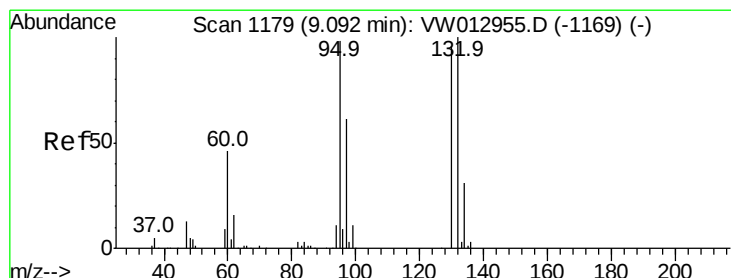
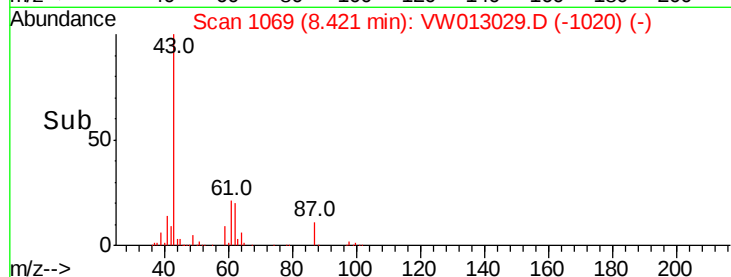
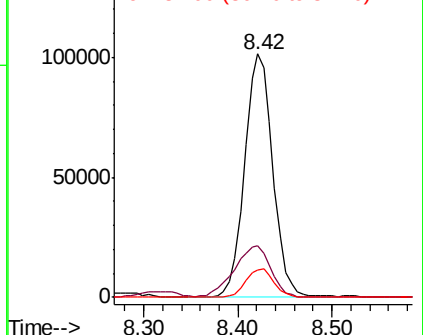
87 11.8 9.4 14.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 50.096 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013029.D

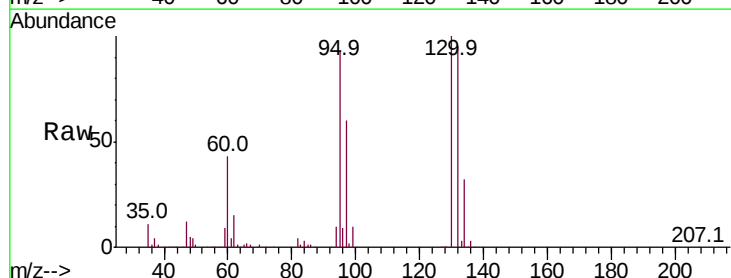
Acq: 15 Sep 2019 08:19

Tgt Ion: 130 Resp: 140310

Ion Ratio Lower Upper

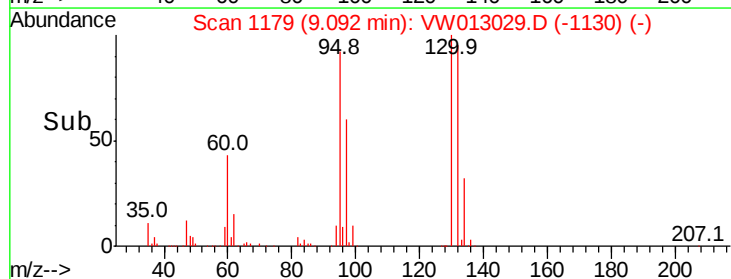
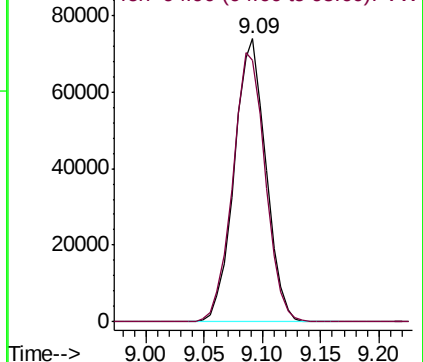
130 100

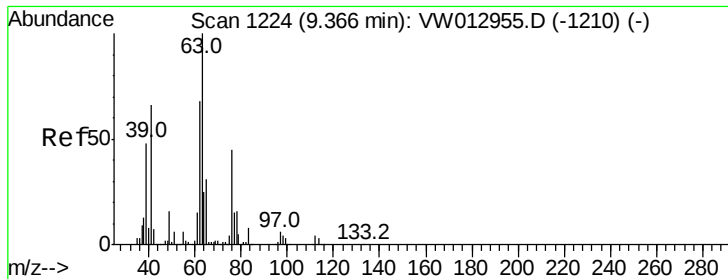
95 92.5 0.0 204.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

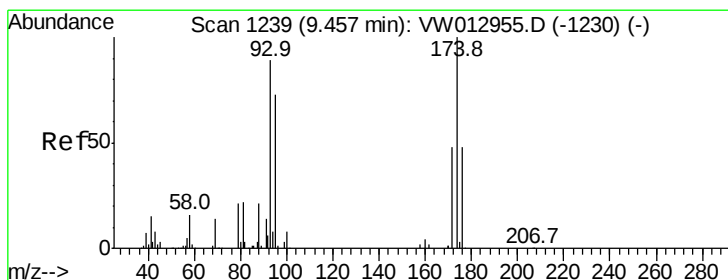
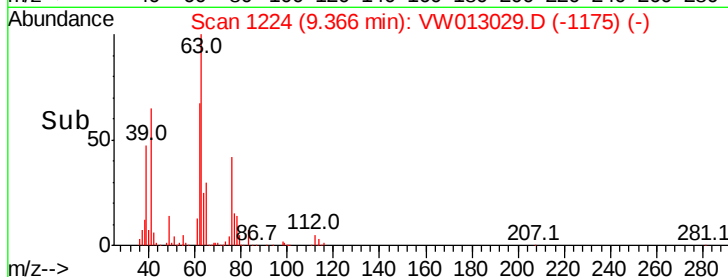
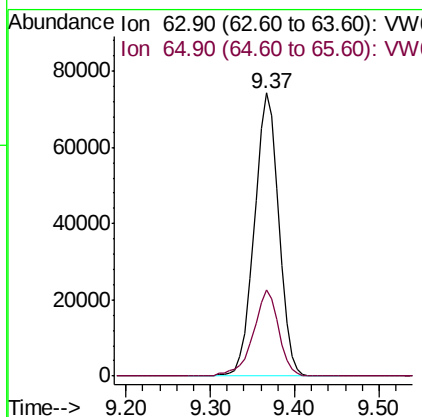
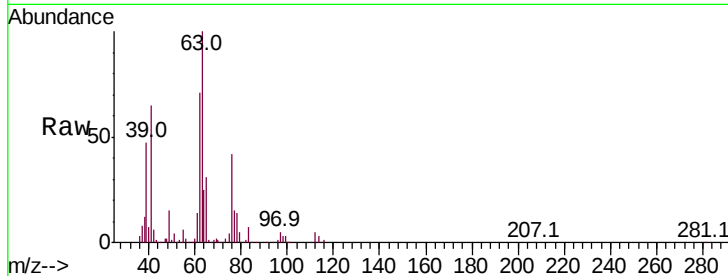




#45
 1,2-Dichloropropane
 Concen: 53.815 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013029.D
 Acq: 15 Sep 2019 08:19

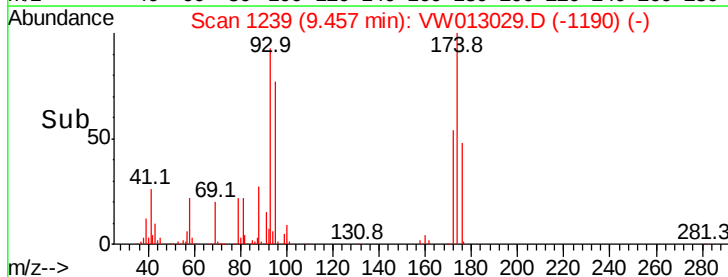
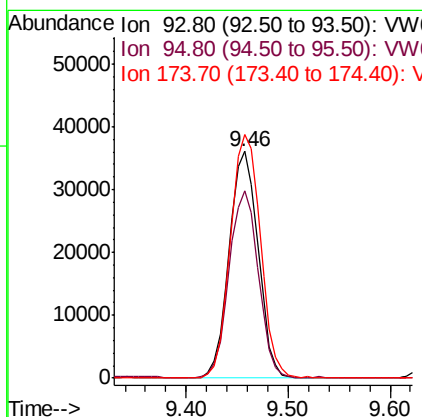
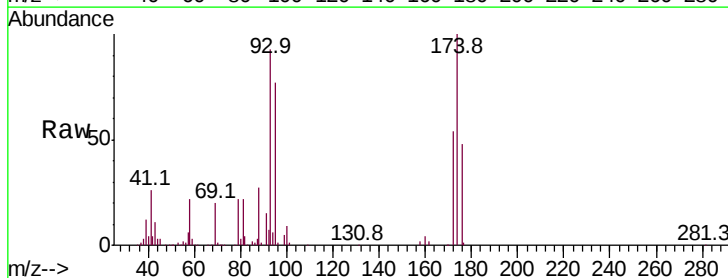
Instrument :
 MSVOA_W
 ClientSampleId :

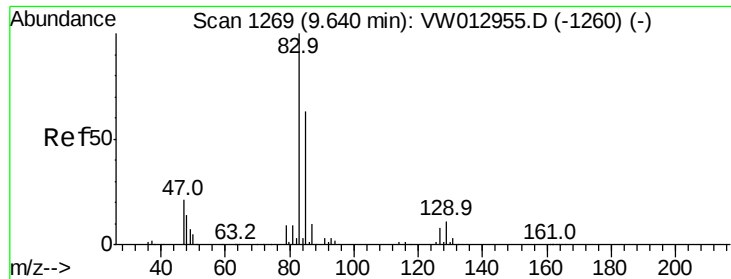
Tot Ion: 63 Resp: 146199
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.6 37.0



#46
 Dibromomethane
 Concen: 54.322 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013029.D
 Acq: 15 Sep 2019 08:19

Tgt Ion: 93 Resp: 70704
 Ion Ratio Lower Upper
 93 100
 95 83.5 67.0 100.4
 174 111.4 90.5 135.7





#47

Bromodichloromethane

Concen: 53.425 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

Instrument :

MSVOA_W

ClientSampleId :

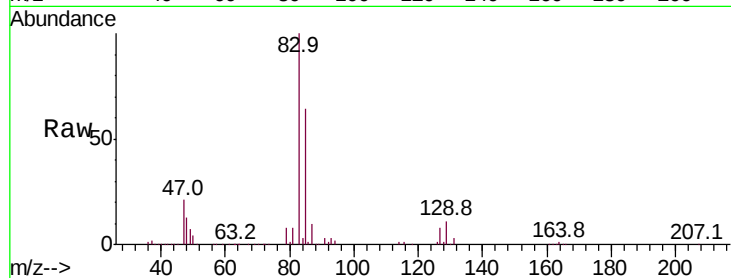
Tot Ion: 83 Resp: 195049

Ion Ratio Lower Upper

83 100

85 64.2 50.6 75.8

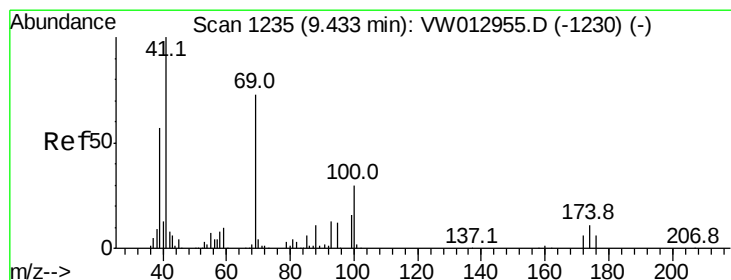
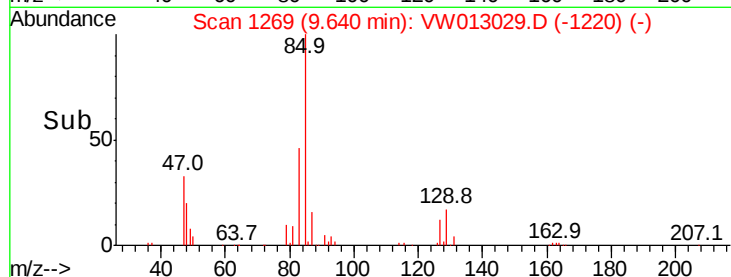
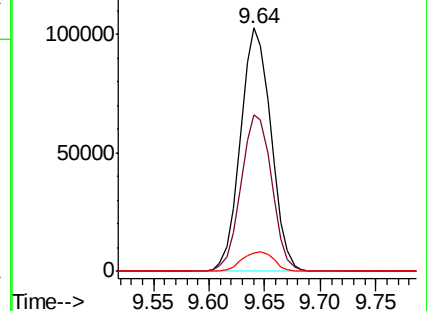
127 7.6 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 59.071 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

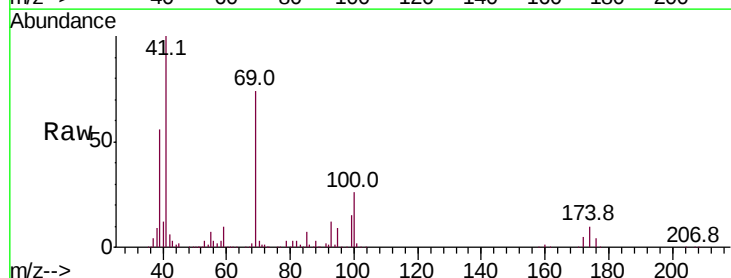
Tgt Ion: 41 Resp: 103486

Ion Ratio Lower Upper

41 100

69 77.8 62.8 94.2

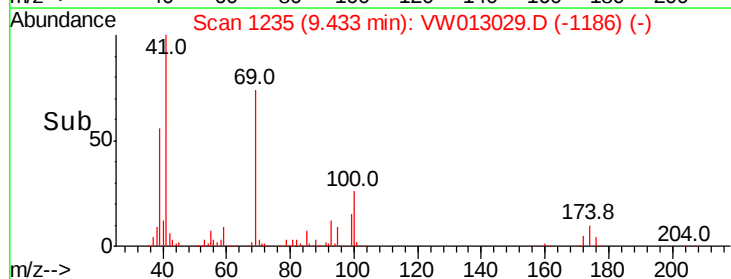
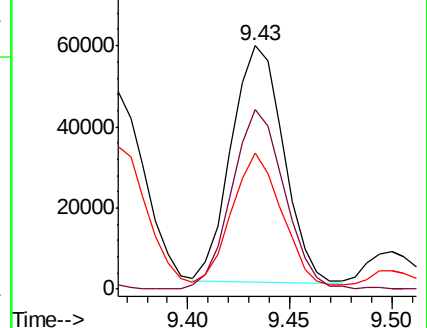
39 56.6 48.5 72.7

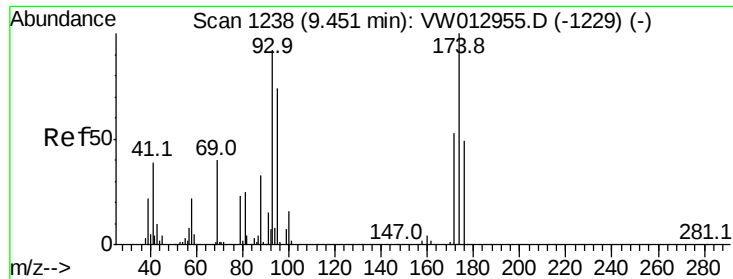


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1142.259 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

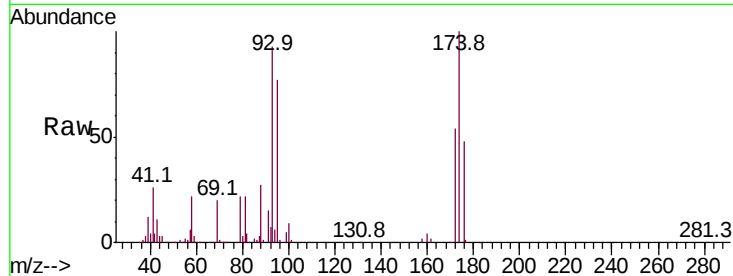
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 88 Resp: 24912

Ion	Ratio	Lower	Upper
88	100		
43	0.0	31.3	46.9#
58	83.3	60.2	90.2

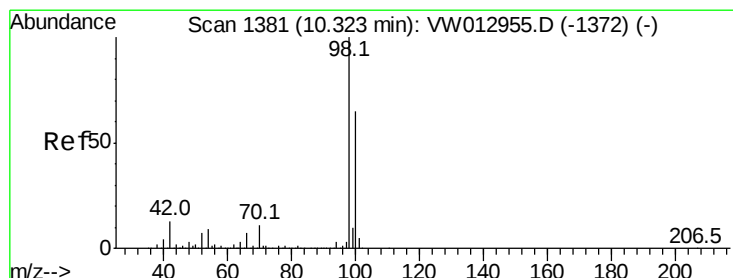
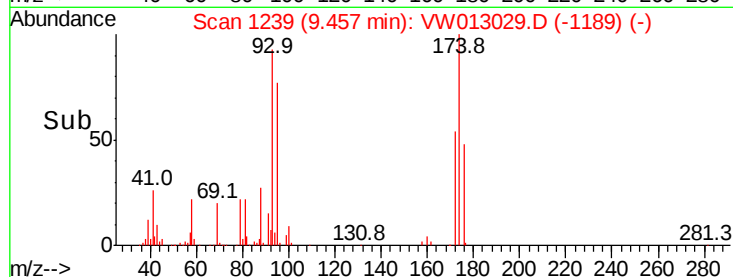
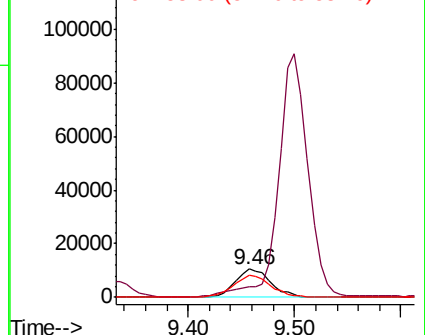


Abundance

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: 53.571 ug/l

RT: 10.32 min Scan# 1381

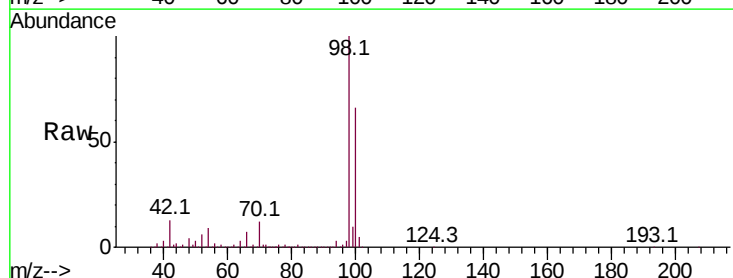
Delta R.T. -0.00 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

Tgt Ion: 98 Resp: 521390

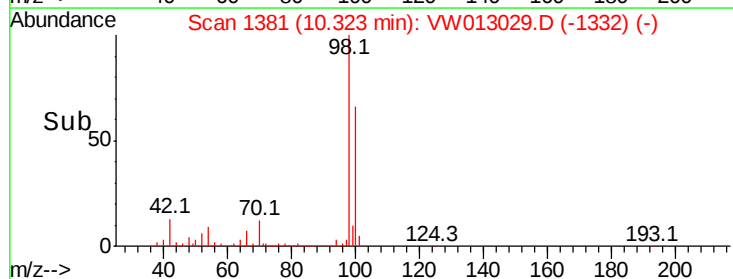
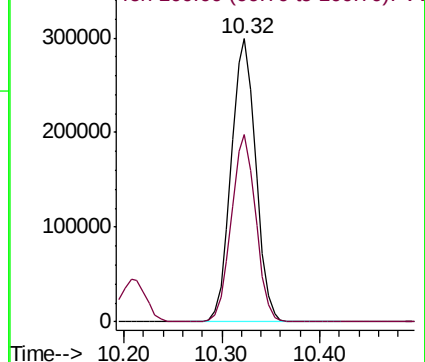
Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.1	78.1

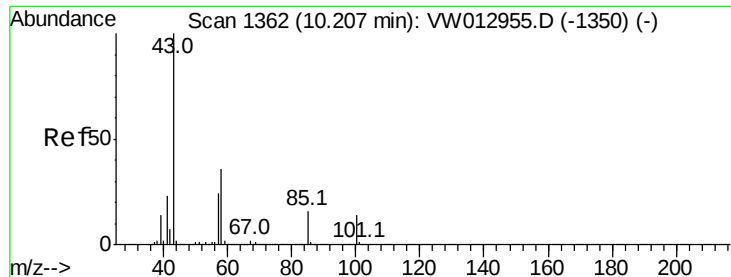


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 301.584 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

Instrument :

MSVOA_W

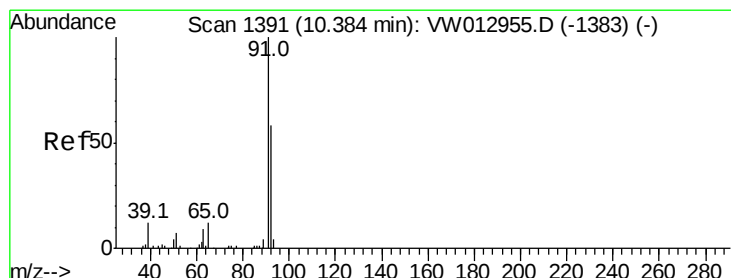
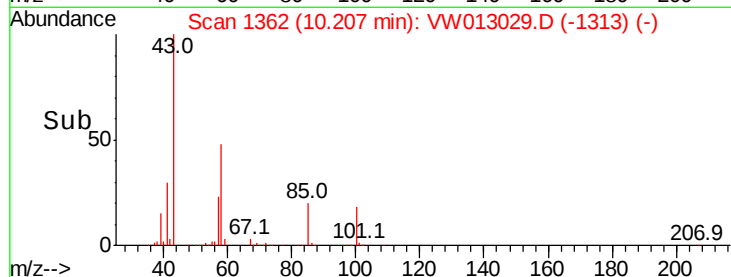
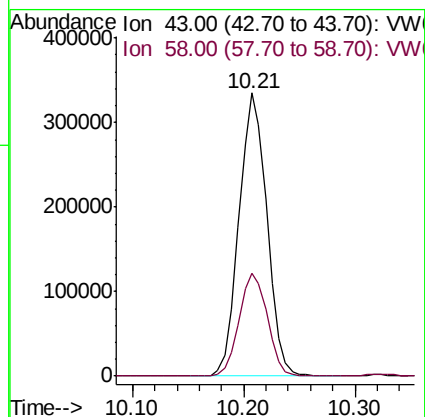
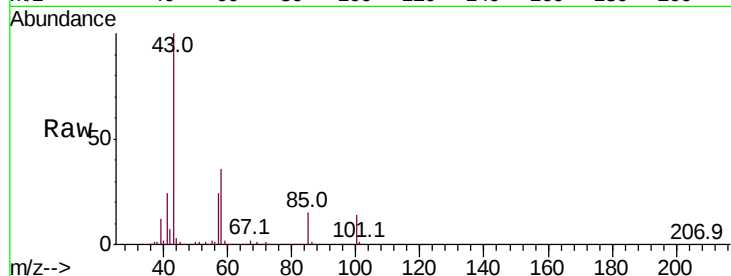
ClientSampleId :

Tot Ion: 43 Resp: 581211

Ion Ratio Lower Upper

43 100

58 36.8 29.5 44.3



#52

Toluene

Concen: 52.769 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013029.D

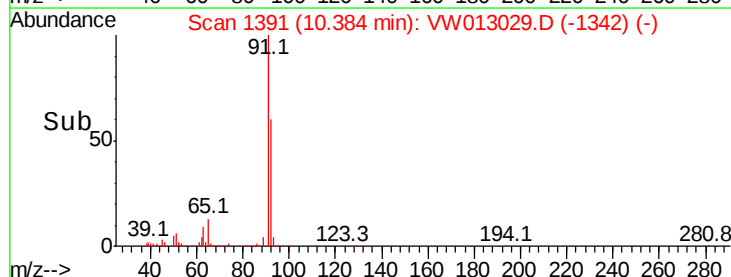
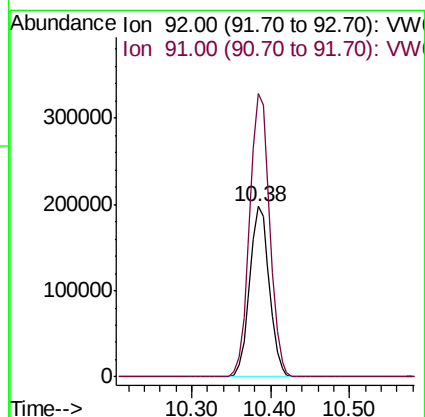
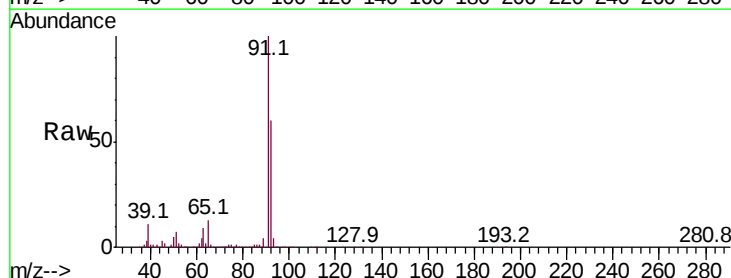
Acq: 15 Sep 2019 08:19

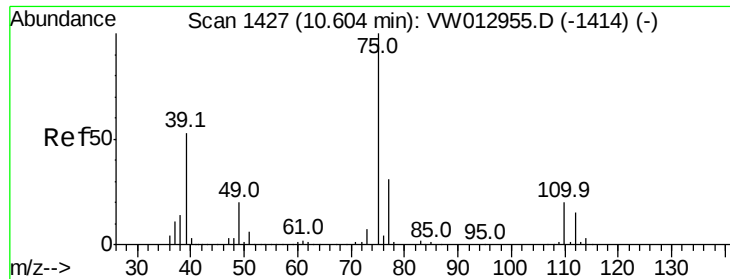
Tgt Ion: 92 Resp: 342867

Ion Ratio Lower Upper

92 100

91 169.5 137.5 206.3





#53

t-1,3-Dichloropropene

Concen: 50.544 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

Instrument :

MSVOA_W

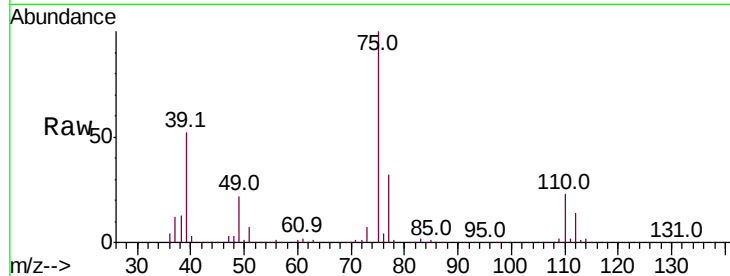
ClientSampled :

Tot Ion: 75 Resp: 185587

Ion Ratio Lower Upper

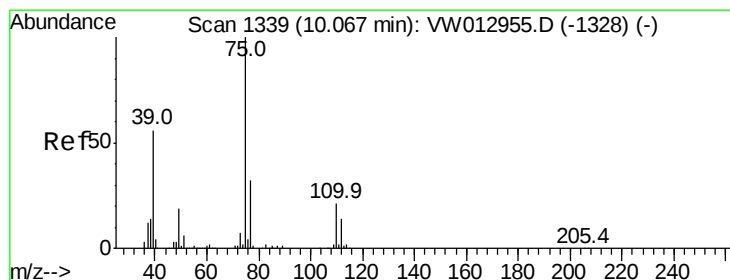
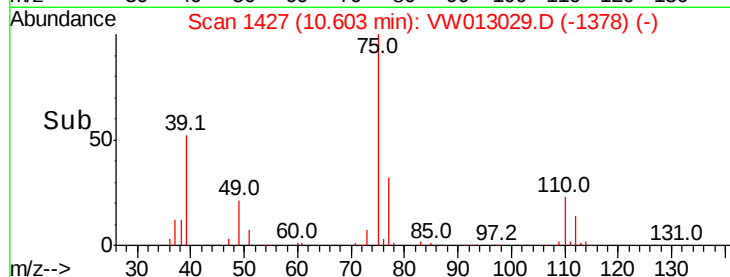
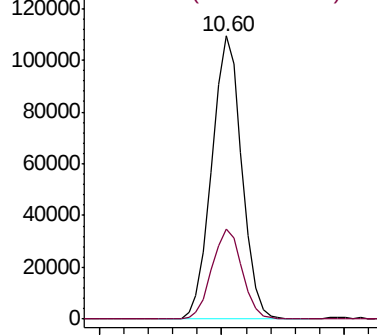
75 100

77 31.7 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 51.655 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.01 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

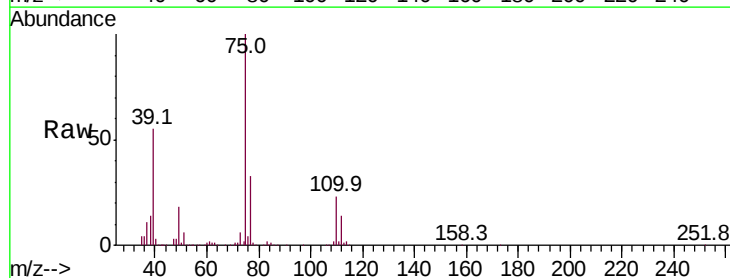
Tgt Ion: 75 Resp: 217014

Ion Ratio Lower Upper

75 100

77 32.5 25.5 38.3

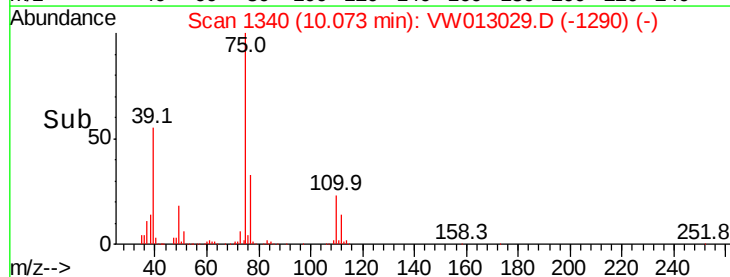
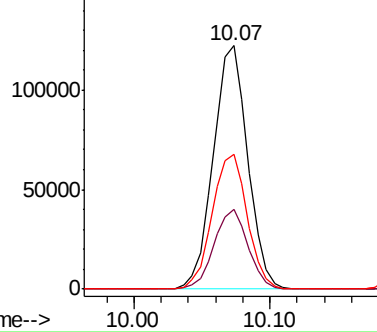
39 55.4 45.0 67.6

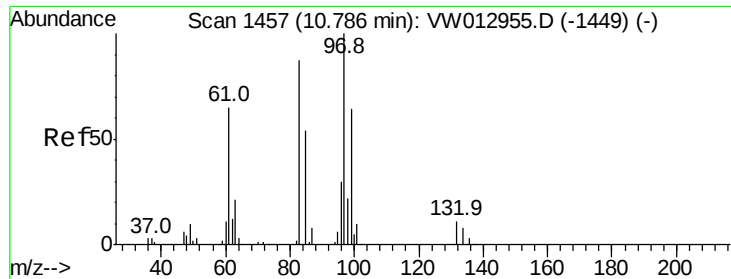


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW





#55

1,1,2-Trichloroethane

Concen: 55.768 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

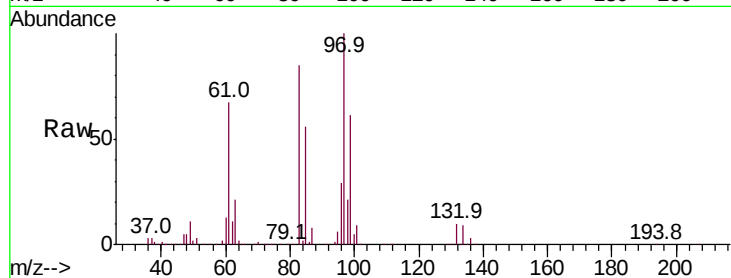
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 110577

Ion	Ratio	Lower	Upper
97	100		
83	85.2	69.4	104.0
85	55.7	43.3	64.9
99	61.4	50.9	76.3



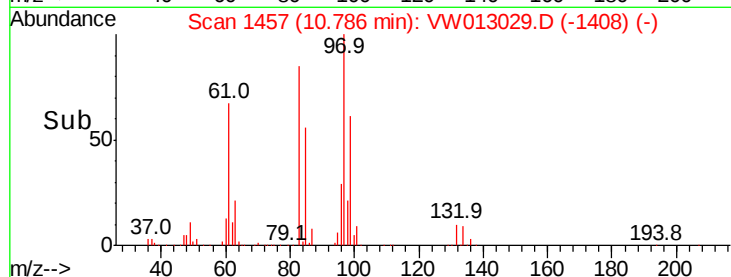
Abundance

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



Time-->

10.79

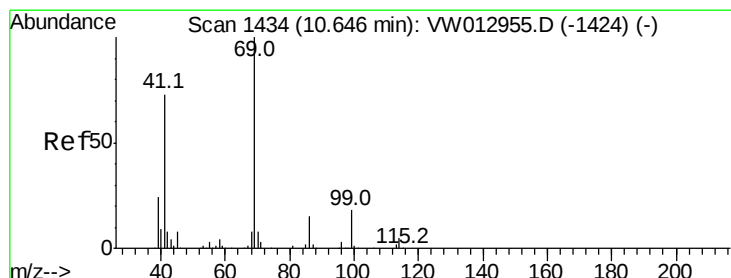
60000

40000

20000

0

10.70 10.75 10.80 10.85



#56

Ethyl methacrylate

Concen: 58.304 ug/l

RT: 10.65 min Scan# 1434

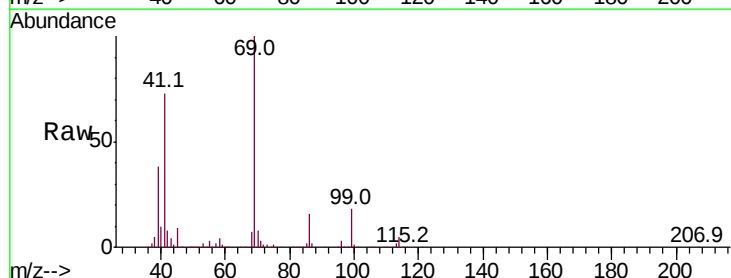
Delta R.T. -0.00 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

Tgt Ion: 69 Resp: 155607

Ion	Ratio	Lower	Upper
69	100		
41	76.7	60.8	91.2
39	34.9	29.4	44.0

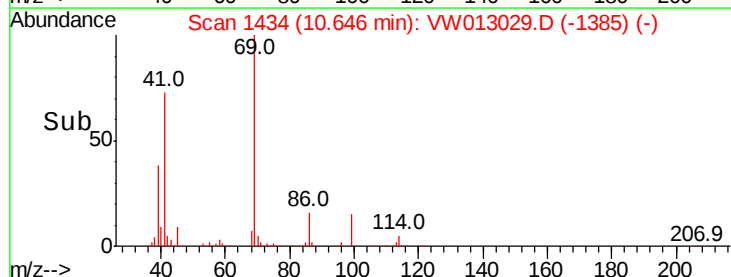


Abundance

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



Time-->

10.65

120000

100000

80000

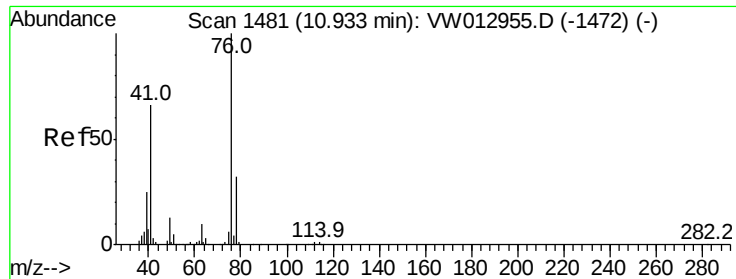
60000

40000

20000

0

10.55 10.60 10.65 10.70



#57

1,3-Dichloropropane

Concen: 55.701 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

Instrument :

MSVOA_W

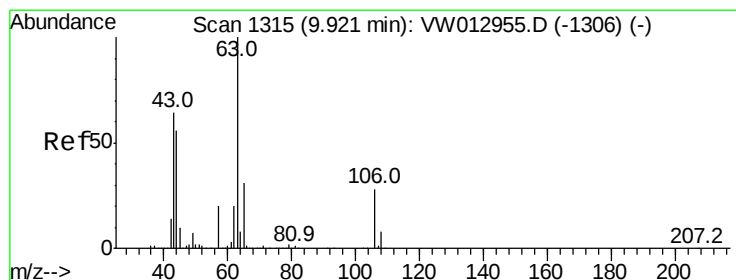
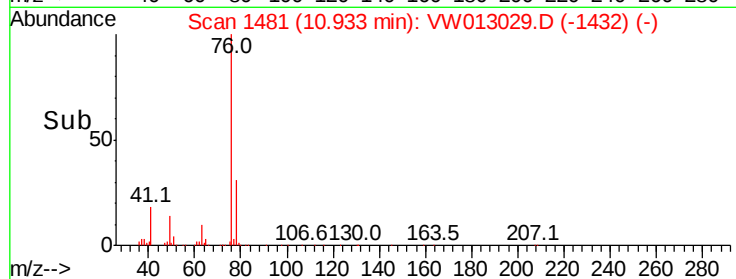
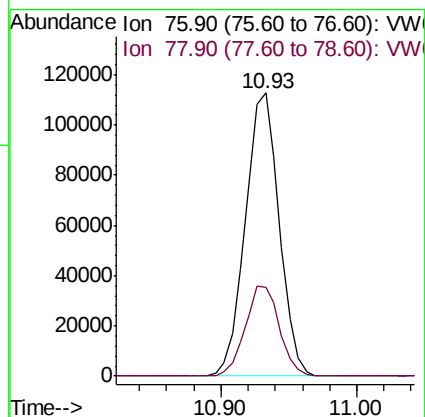
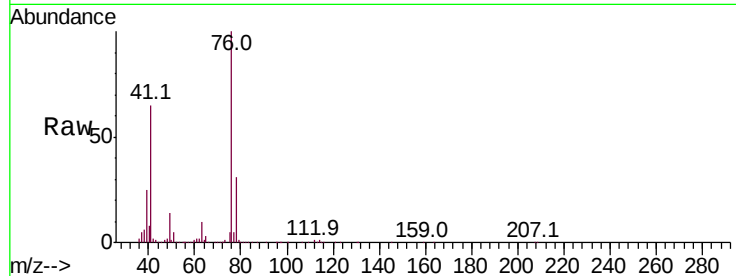
ClientSampleId :

Tot Ion: 76 Resp: 195917

Ion Ratio Lower Upper

76 100

78 32.3 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 278.248 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW013029.D

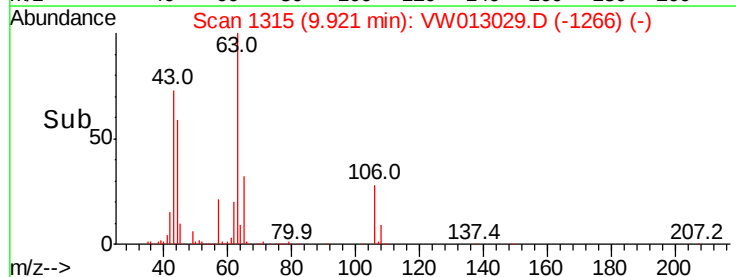
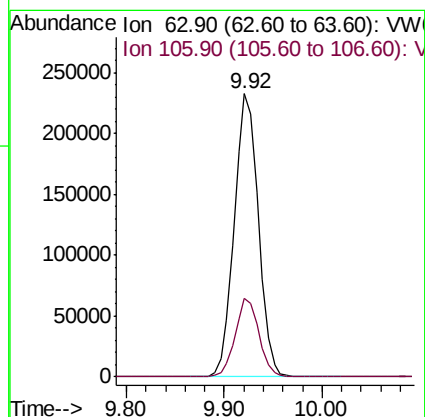
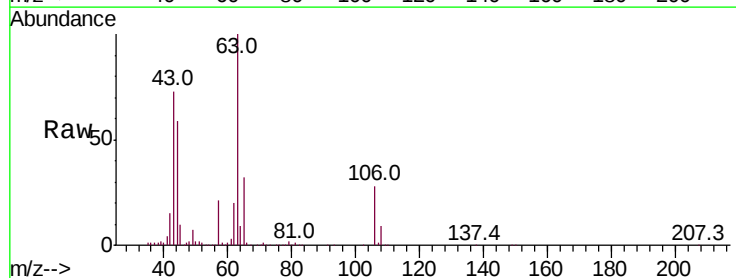
Acq: 15 Sep 2019 08:19

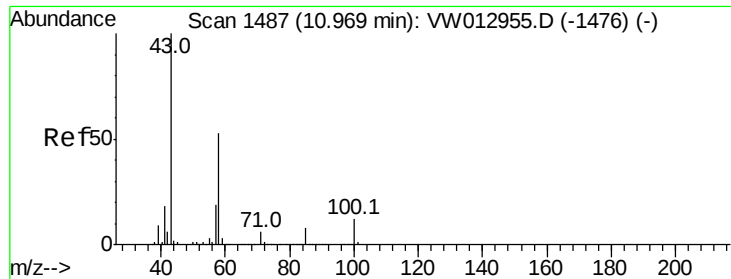
Tgt Ion: 63 Resp: 398362

Ion Ratio Lower Upper

63 100

106 27.2 22.2 33.2

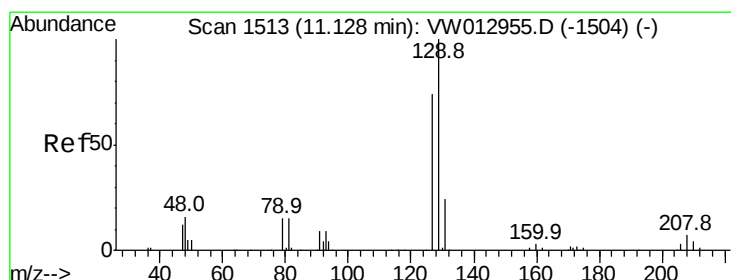
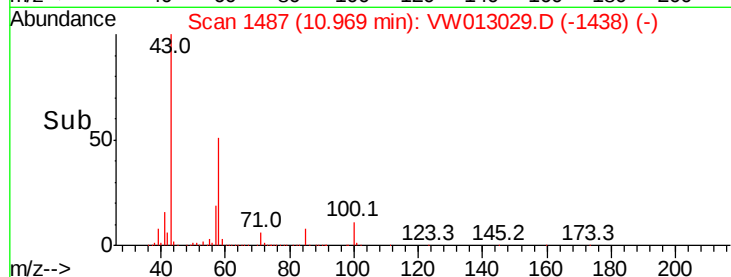
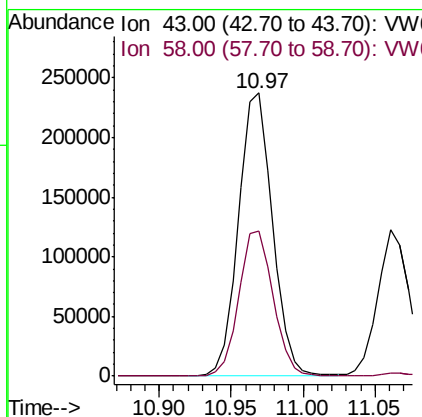
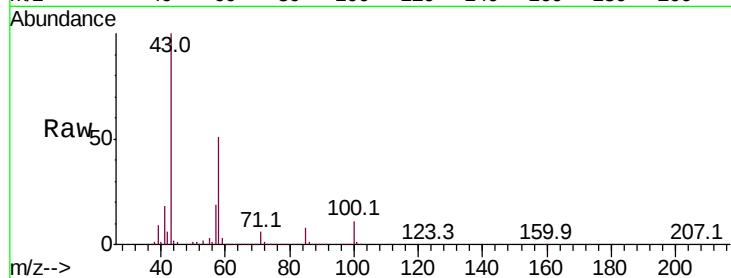




#59
2-Hexanone
Concen: 289.276 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

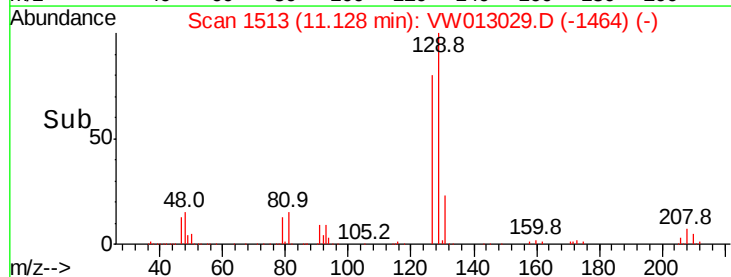
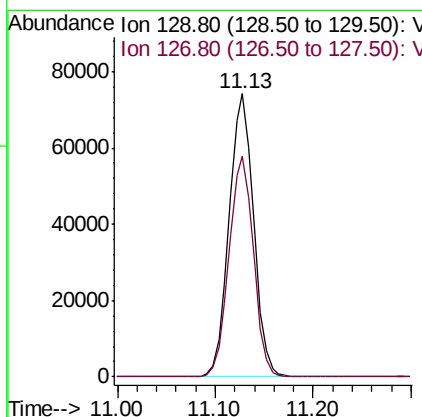
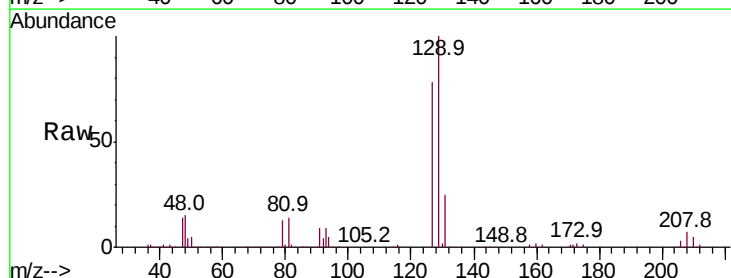
Instrument :
MSVOA_W
ClientSampleId :

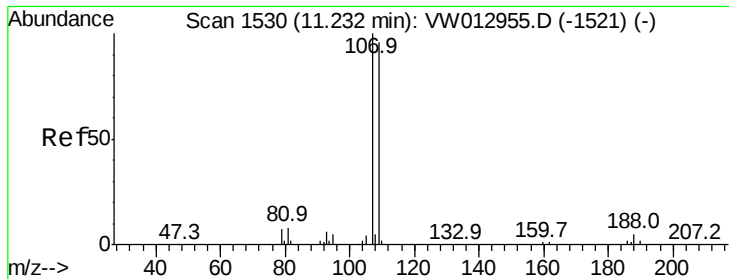
Tot Ion: 43 Resp: 388186
Ion Ratio Lower Upper
43 100
58 51.9 25.8 77.3



#60
Dibromochloromethane
Concen: 53.773 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

Tgt Ion: 129 Resp: 128905
Ion Ratio Lower Upper
129 100
127 77.7 37.4 112.2

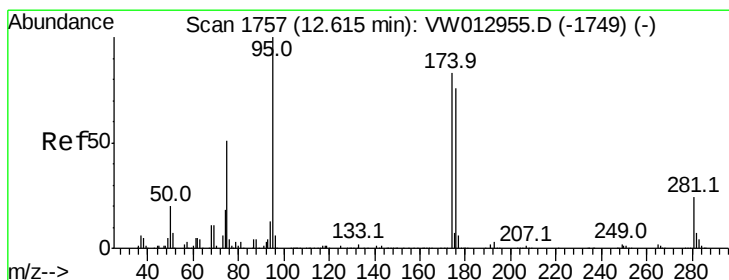
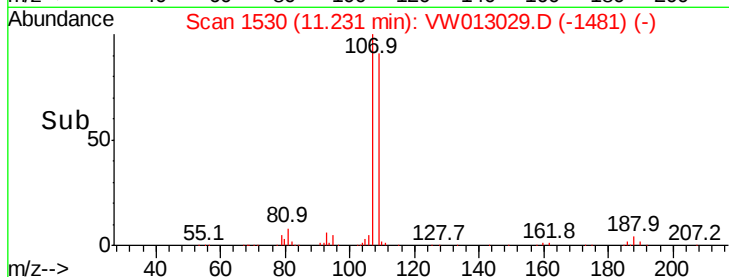
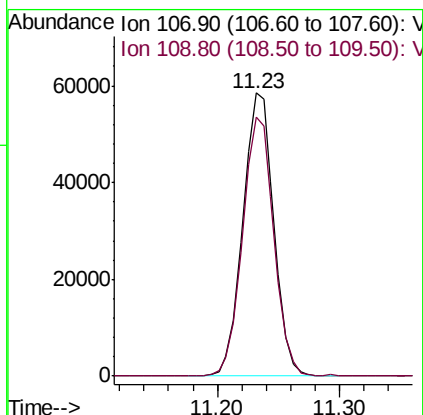
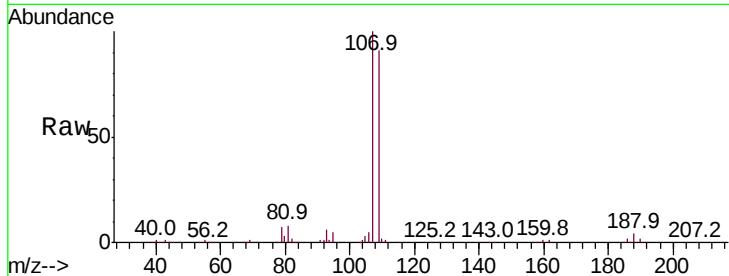




#61
 1,2-Dibromoethane
 Concen: 56.540 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW013029.D
 Acq: 15 Sep 2019 08:19

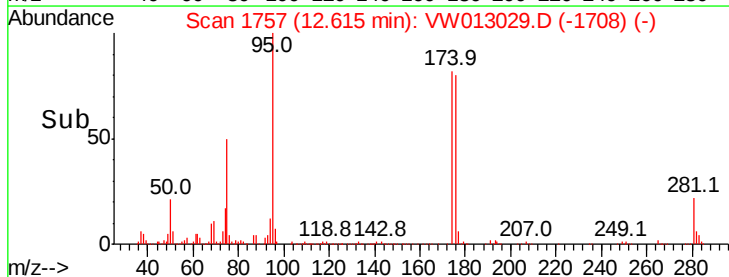
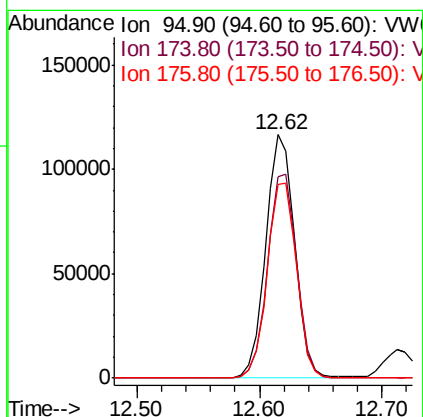
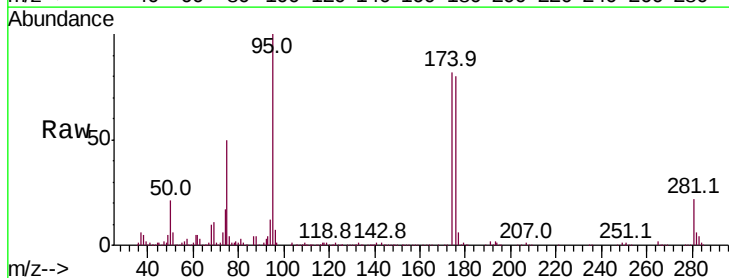
Instrument :
 MSVOA_W
 ClientSampleId :

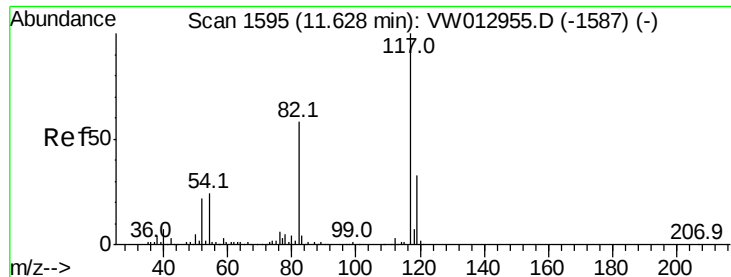
Tot Ion:107 Resp: 102268
 Ion Ratio Lower Upper
 107 100
 109 92.7 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 54.688 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013029.D
 Acq: 15 Sep 2019 08:19

Tgt Ion: 95 Resp: 191389
 Ion Ratio Lower Upper
 95 100
 174 84.2 0.0 170.4
 176 81.1 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

Instrument :

MSVOA_W

ClientSampleId :

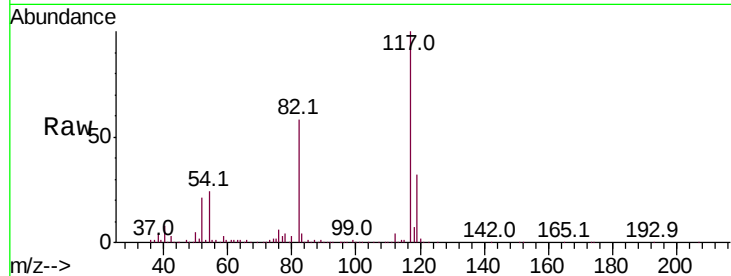
Tot Ion:117 Resp: 408811

Ion Ratio Lower Upper

117 100

82 58.3 46.3 69.5

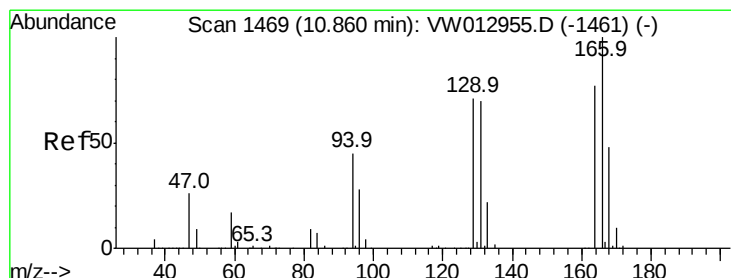
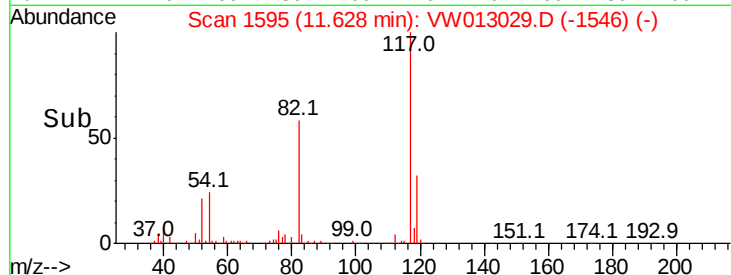
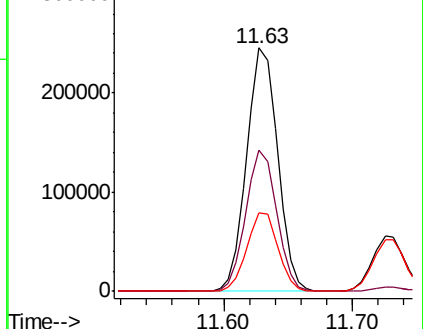
119 32.2 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 56.034 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

Tgt Ion:164 Resp: 136277

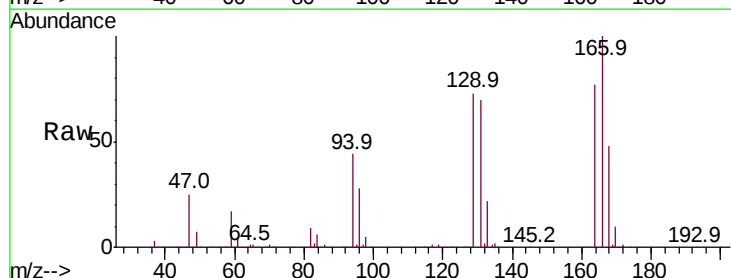
Ion Ratio Lower Upper

164 100

166 129.5 103.3 154.9

129 94.0 73.8 110.8

131 90.4 72.0 108.0

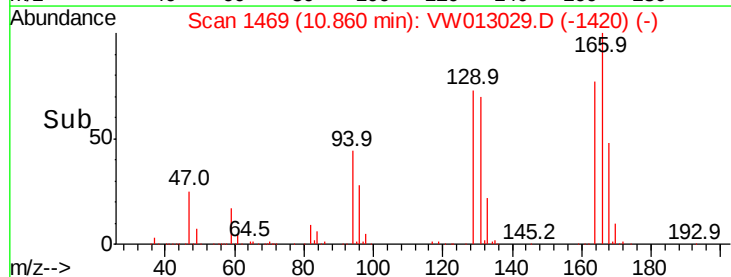
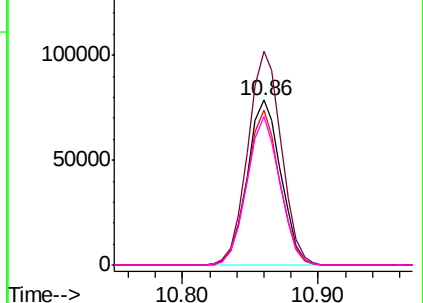


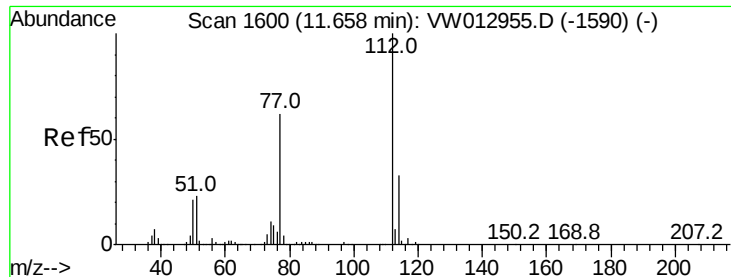
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

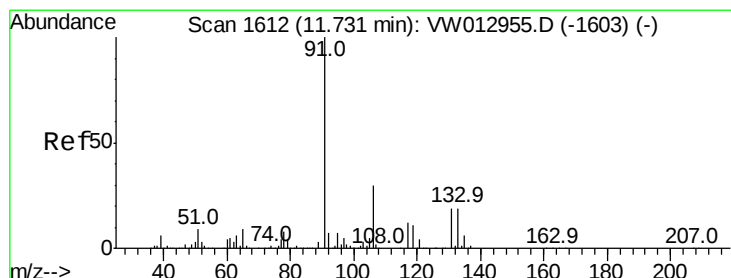
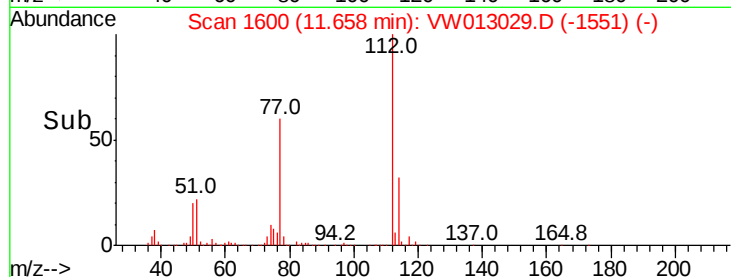
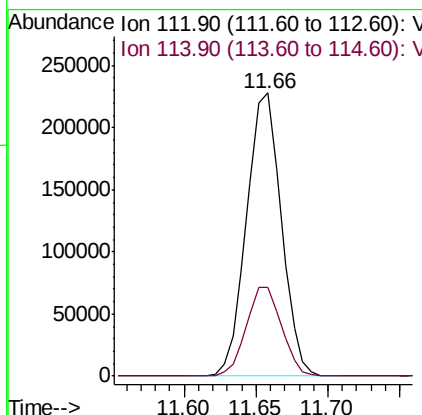
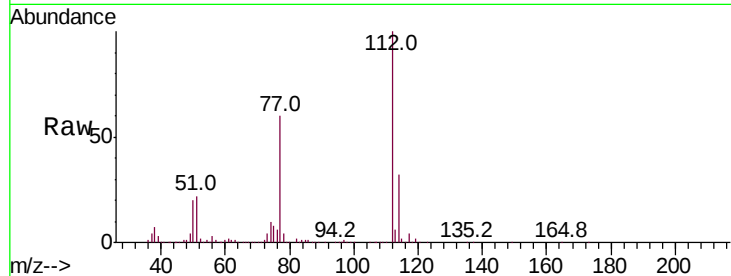




#65
Chlorobenzene
Concen: 52.284 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

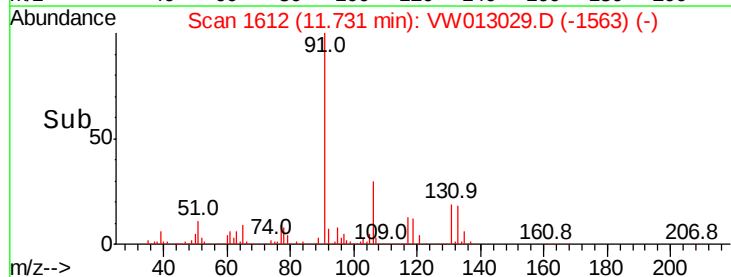
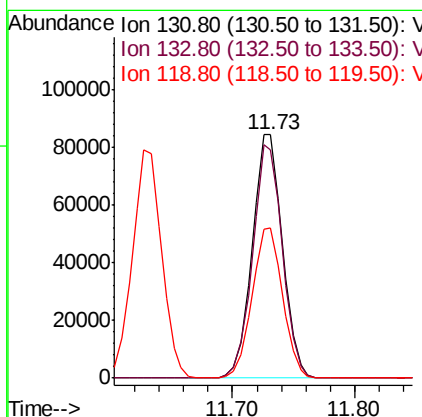
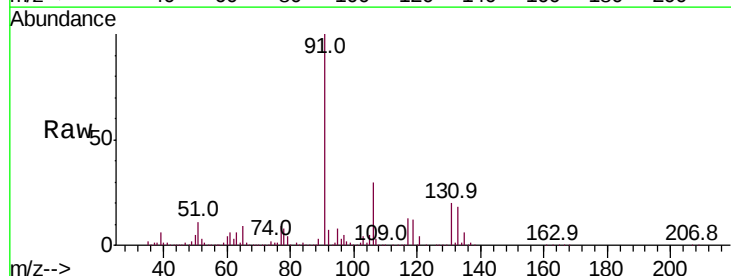
Instrument :
MSVOA_W
ClientSampled :

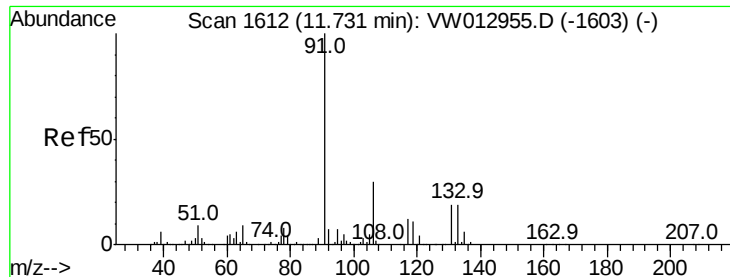
Tot Ion:112 Resp: 380725
Ion Ratio Lower Upper
112 100
114 31.6 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 51.847 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

Tgt Ion:131 Resp: 144681
Ion Ratio Lower Upper
131 100
133 94.7 47.9 143.8
119 62.7 30.9 92.7

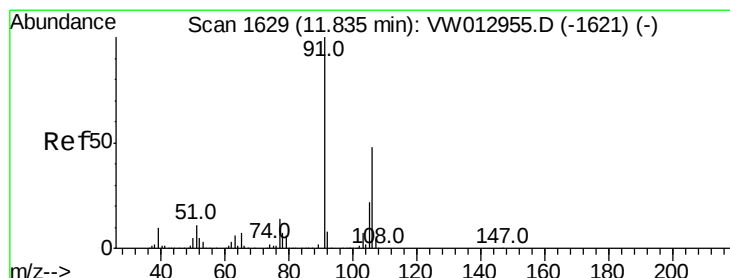
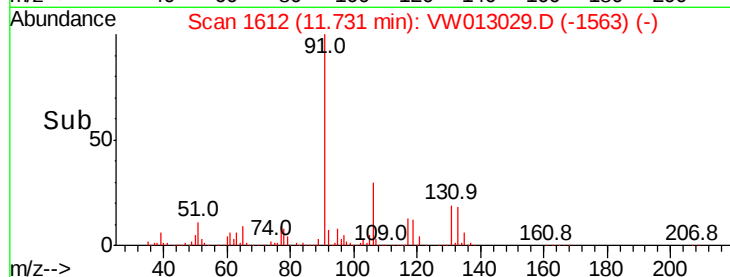
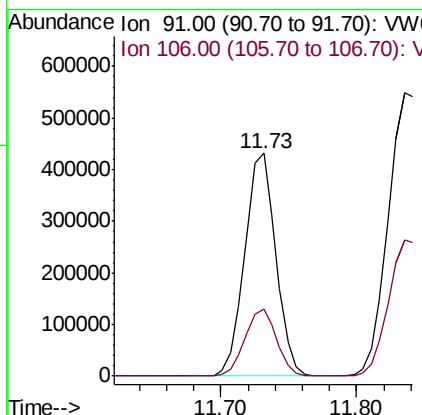
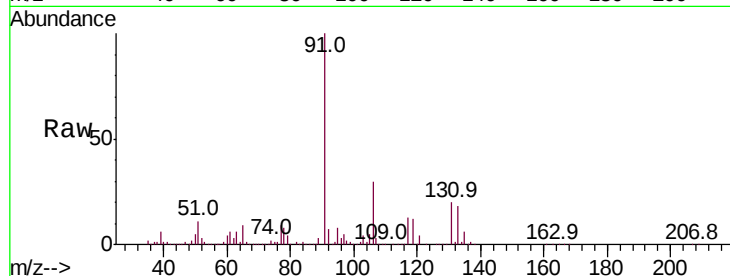




#67
Ethyl Benzene
Concen: 51.576 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

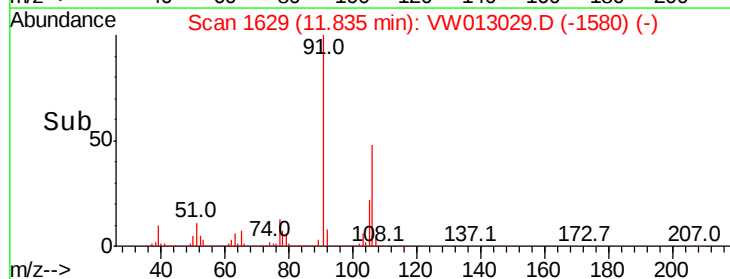
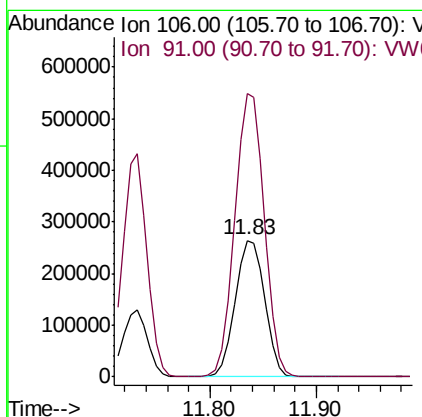
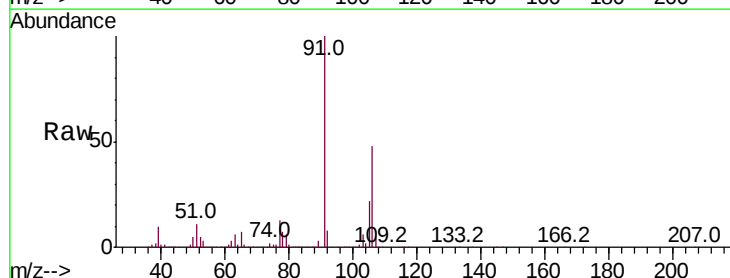
Instrument :
MSVOA_W
ClientSampleId :

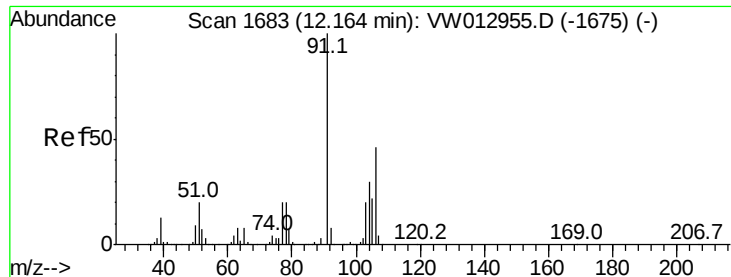
Tot Ion: 91 Resp: 693629
Ion Ratio Lower Upper
91 100
106 30.1 24.3 36.5



#68
m/p-Xylenes
Concen: 104.953 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

Tgt Ion:106 Resp: 515632
Ion Ratio Lower Upper
106 100
91 206.8 165.8 248.8

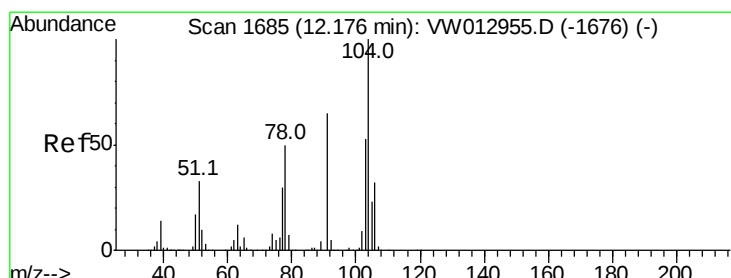
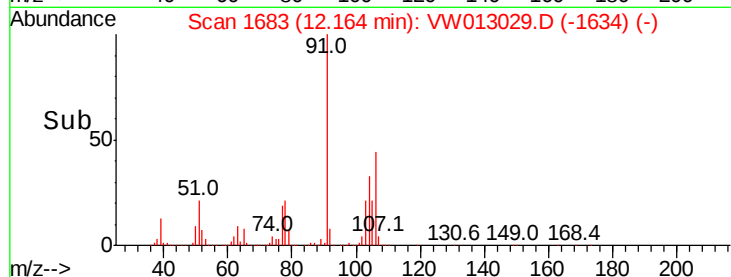
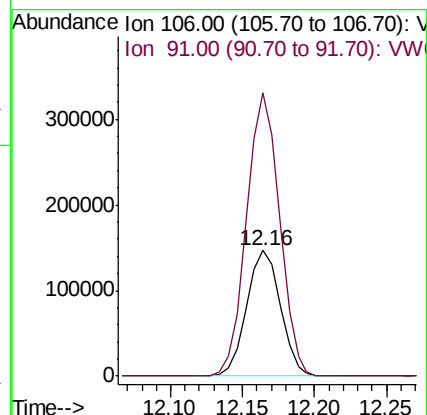
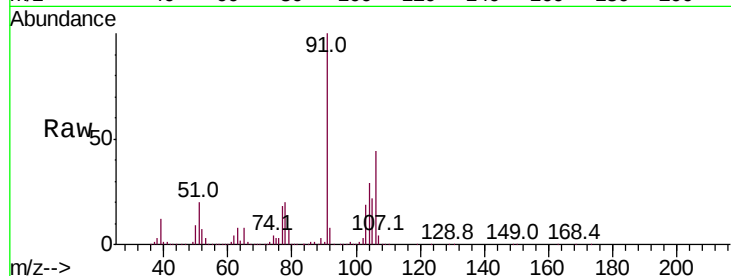




#69
o-Xylene
Concen: 51.714 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

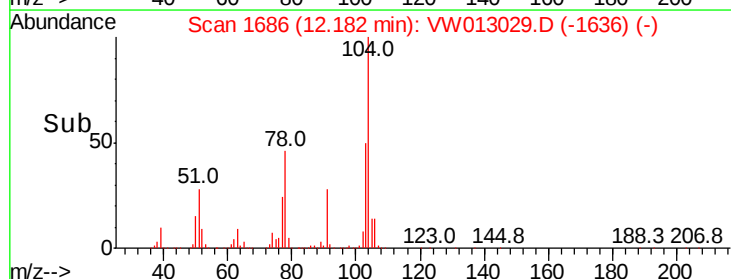
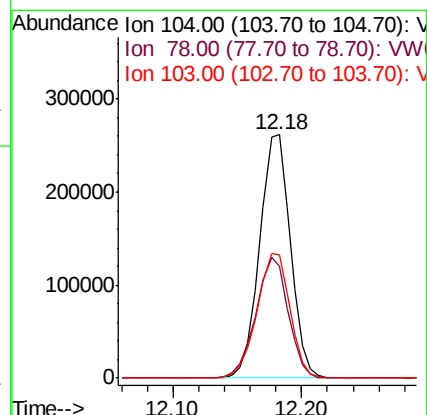
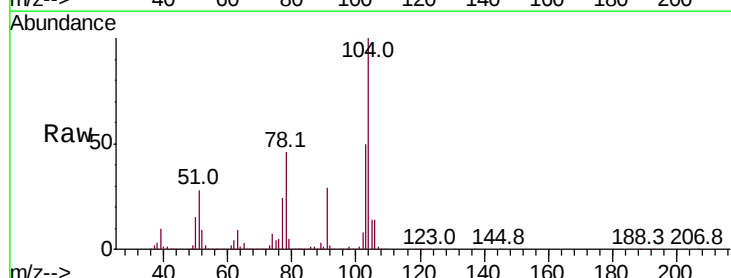
Instrument :
MSVOA_W
ClientSampleId :

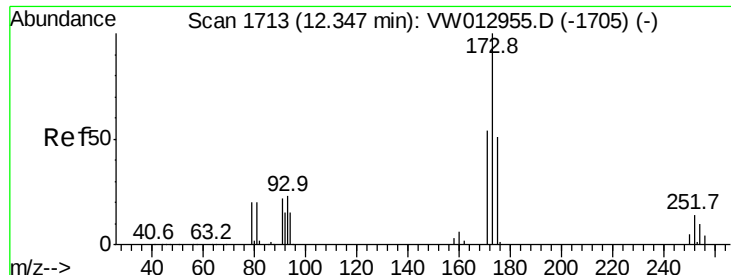
Tot Ion:106 Resp: 238195
Ion Ratio Lower Upper
106 100
91 220.5 109.7 329.0



#70
Styrene
Concen: 52.691 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

Tgt Ion:104 Resp: 431735
Ion Ratio Lower Upper
104 100
78 52.0 42.1 63.1
103 54.8 44.2 66.4





#71

Bromoform

Concen: 54.748 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

Instrument :

MSVOA_W

ClientSampleId :

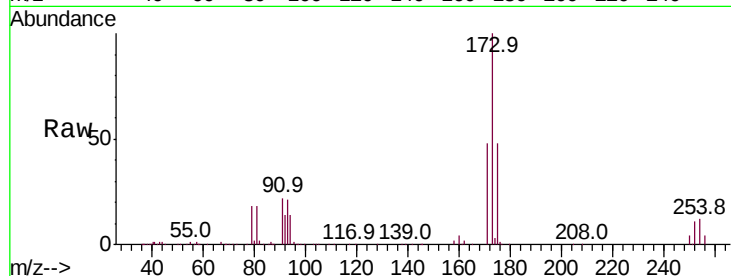
Tot Ion:173 Resp: 80248

Ion Ratio Lower Upper

173 100

175 47.9 24.2 72.6

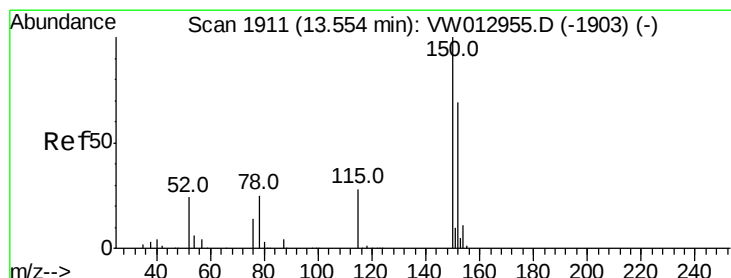
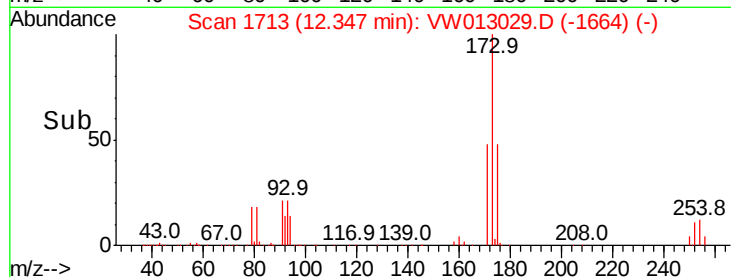
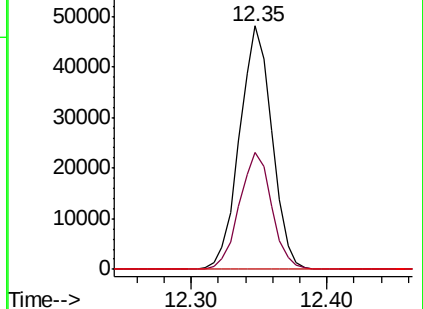
254 0.0 0.1 0.1#



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. 0.01 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

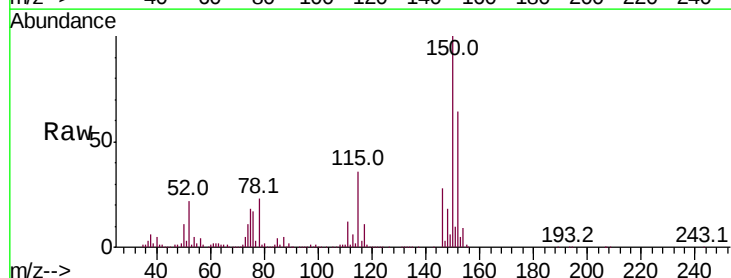
Tgt Ion:152 Resp: 202200

Ion Ratio Lower Upper

152 100

115 57.6 28.8 86.4

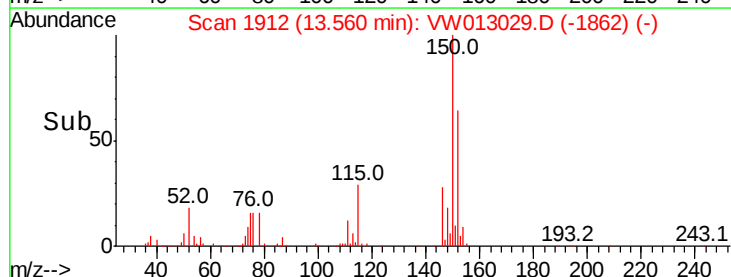
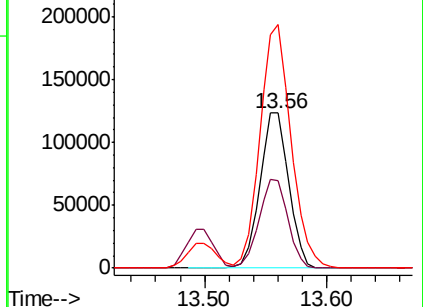
150 169.2 0.0 340.2

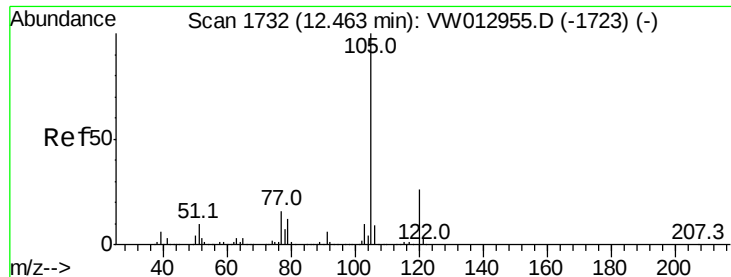


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.359 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

Instrument :

MSVOA_W

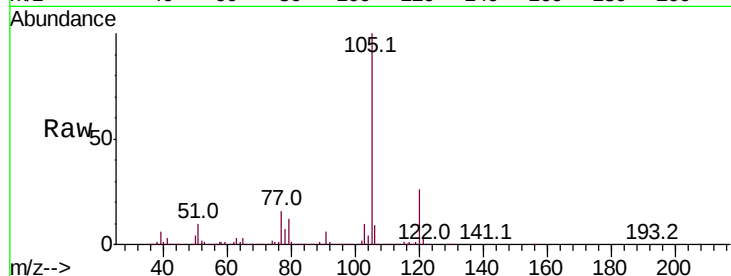
ClientSampleId :

Tot Ion:105 Resp: 674926

Ion Ratio Lower Upper

105 100

120 25.8 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

400000

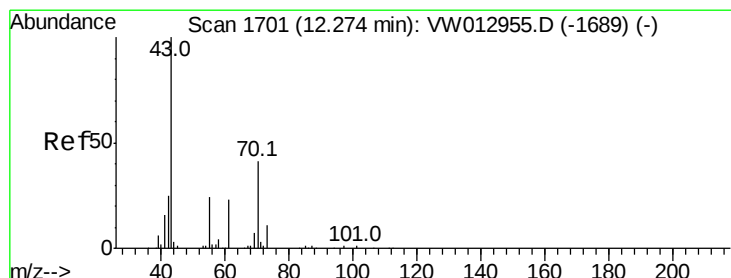
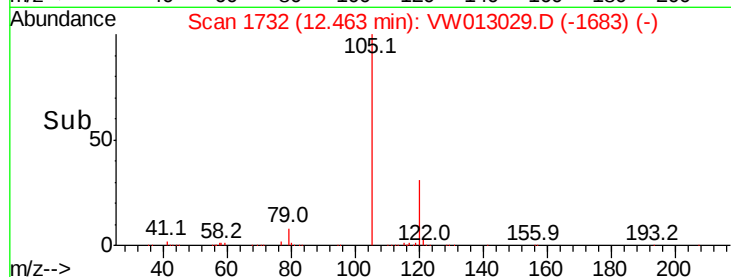
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 58.033 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

Tgt Ion: 43 Resp: 200077

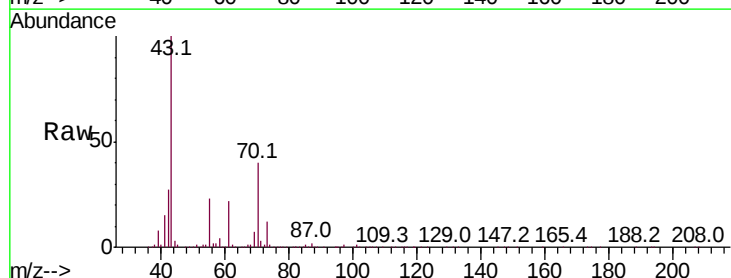
Ion Ratio Lower Upper

43 100

70 39.3 31.7 47.5

55 22.8 19.4 29.2

61 22.7 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.27

200000

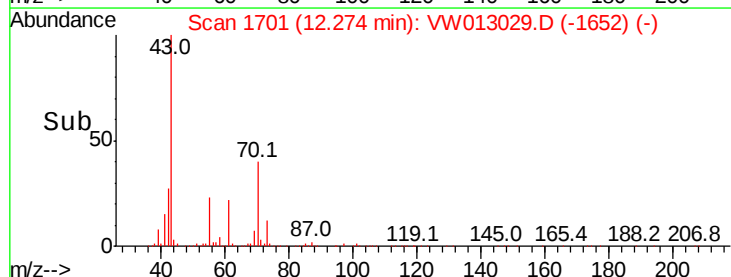
150000

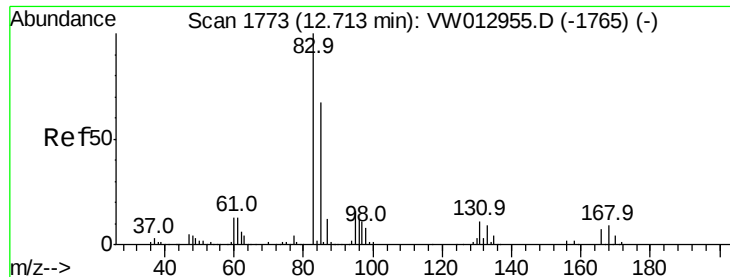
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 56.614 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

Instrument :

MSVOA_W

ClientSampled :

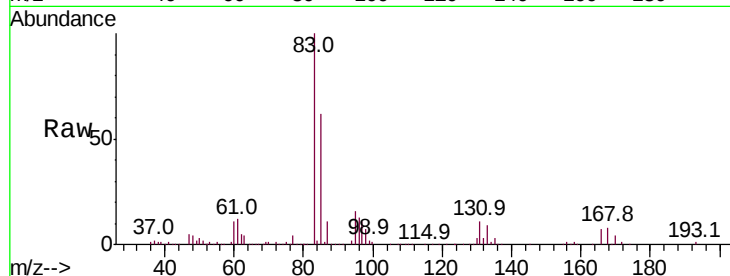
Tot Ion: 83 Resp: 133267

Ion Ratio Lower Upper

83 100

131 11.3 5.7 17.1

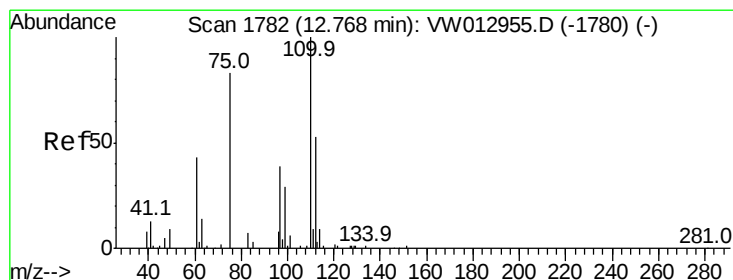
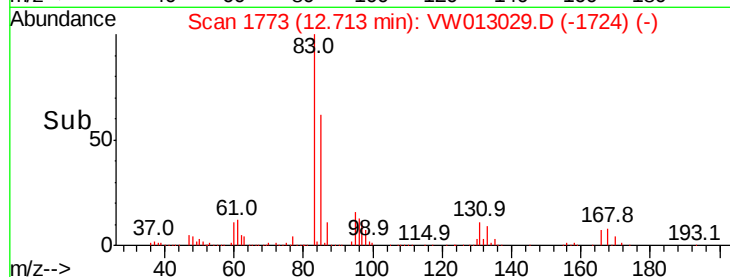
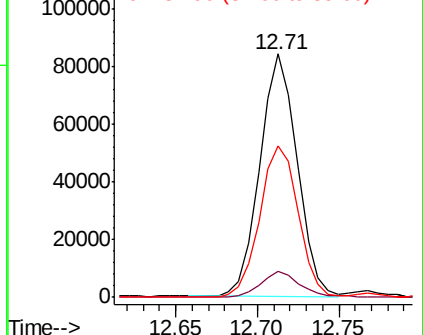
85 64.5 31.4 94.3



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: 95.415 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013029.D

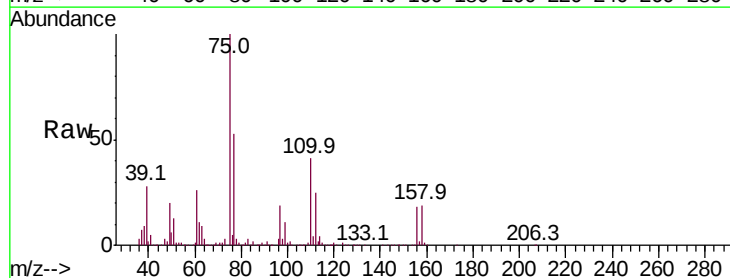
Acq: 15 Sep 2019 08:19

Tgt Ion: 75 Resp: 168991

Ion Ratio Lower Upper

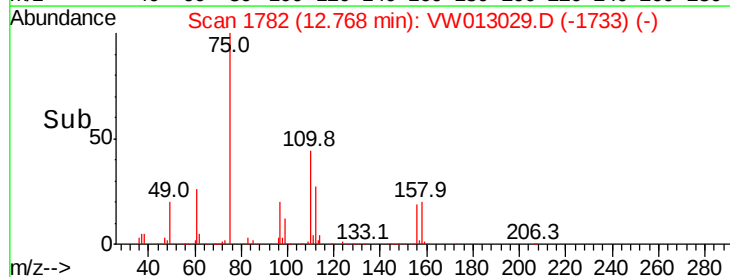
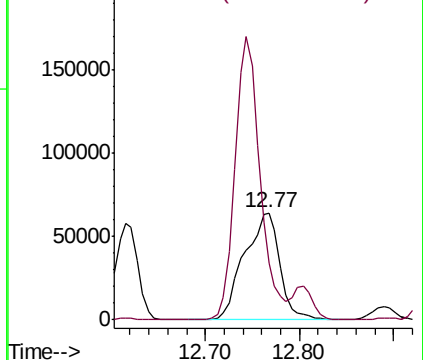
75 100

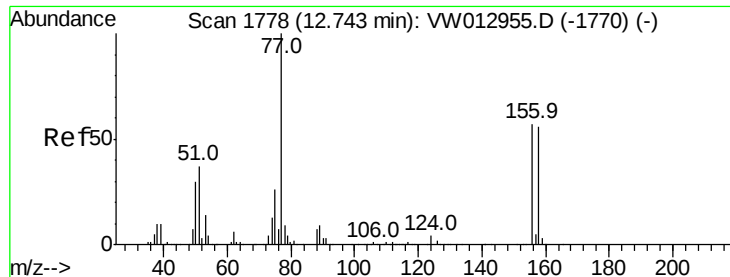
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 53.933 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

Instrument :

MSVOA_W

ClientSampleId :

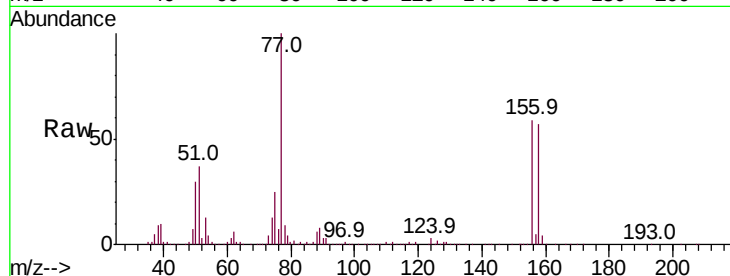
Tot Ion:156 Resp: 166522

Ion Ratio Lower Upper

156 100

77 188.3 95.2 285.6

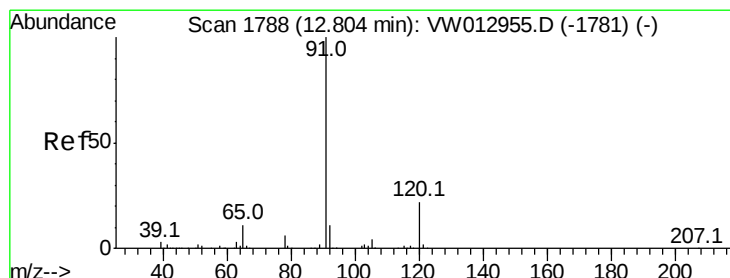
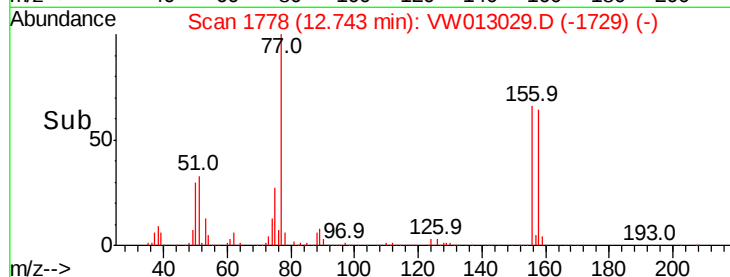
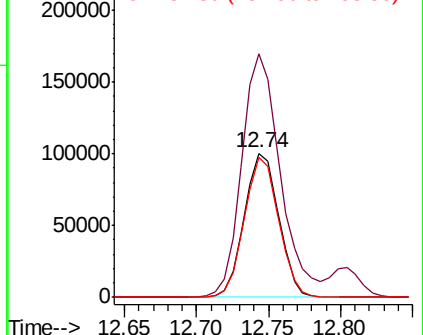
158 96.3 49.0 147.2



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: 50.466 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013029.D

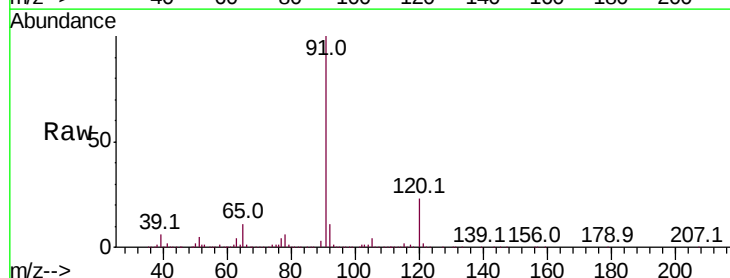
Acq: 15 Sep 2019 08:19

Tgt Ion: 91 Resp: 795610

Ion Ratio Lower Upper

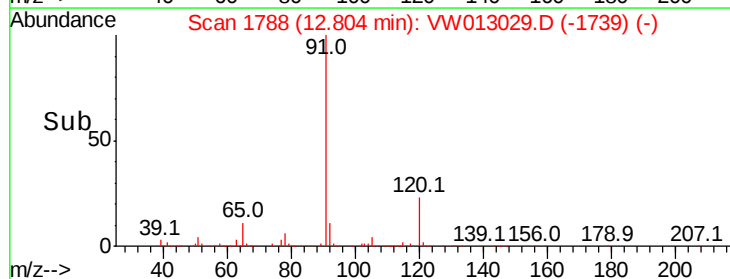
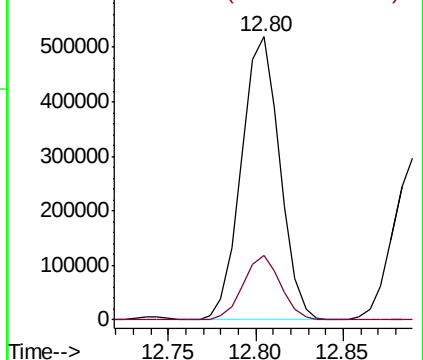
91 100

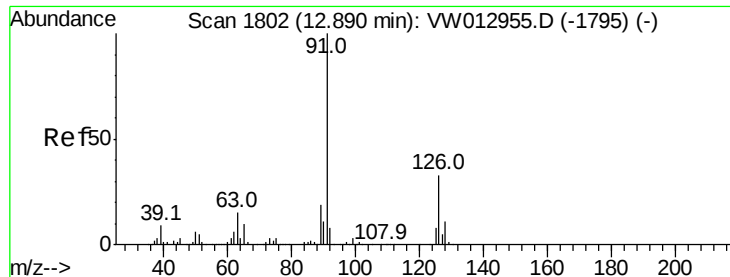
120 22.4 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

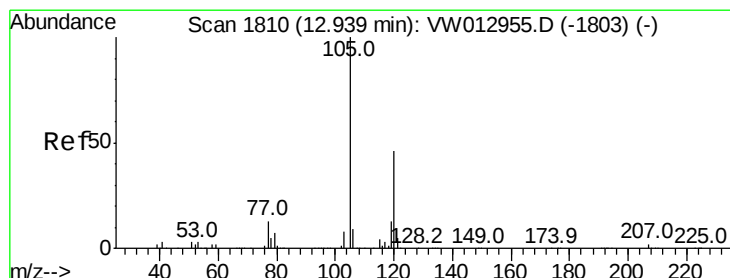
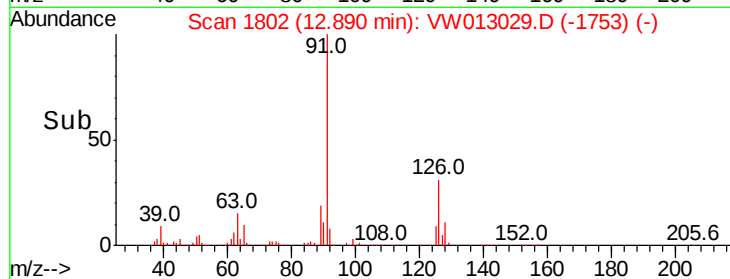
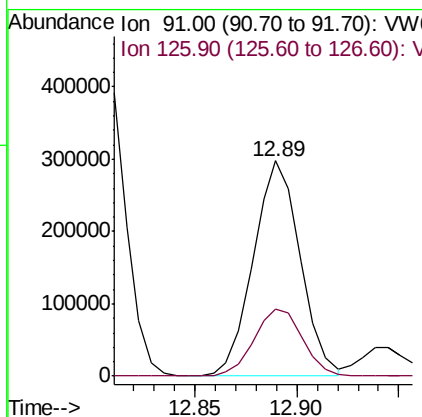
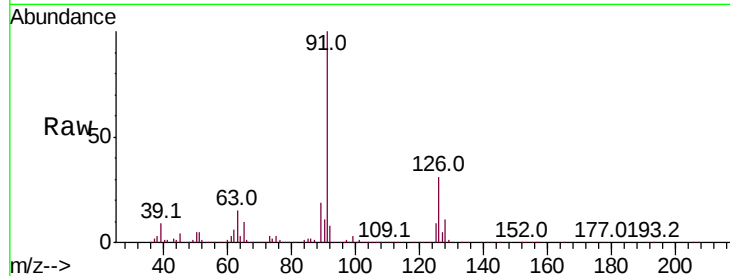




#79
 2-Chlorotoluene
 Concen: 52.248 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW013029.D
 Acq: 15 Sep 2019 08:19

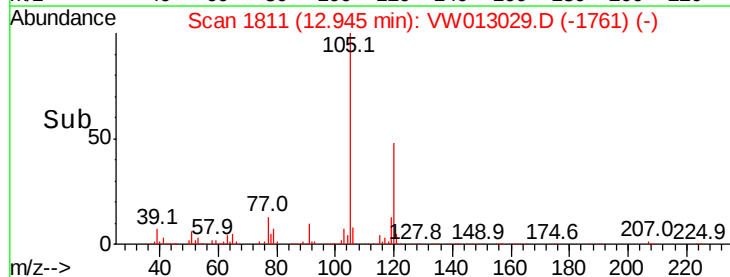
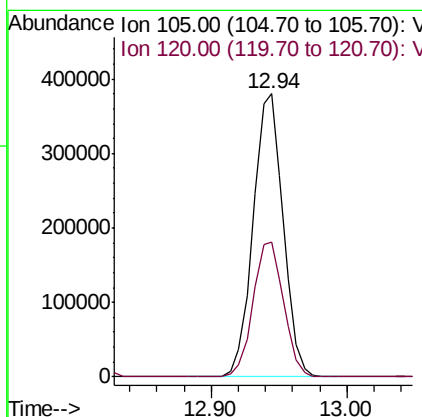
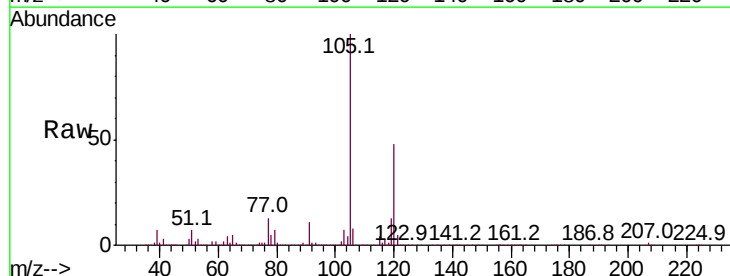
Instrument :
 MSVOA_W
 ClientSampleId :

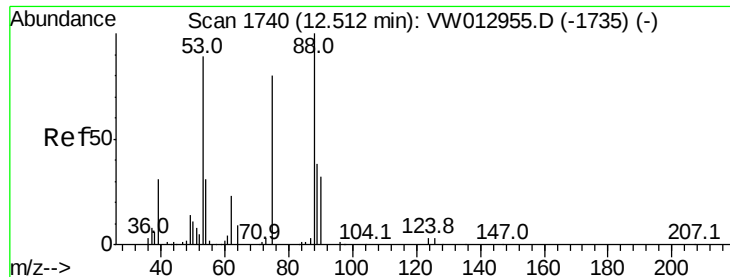
Tot Ion: 91 Resp: 473509
 Ion Ratio Lower Upper
 91 100
 126 32.4 16.5 49.5



#80
 1,3,5-Trimethylbenzene
 Concen: 51.839 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.01 min
 Lab File: VW013029.D
 Acq: 15 Sep 2019 08:19

Tgt Ion: 105 Resp: 587775
 Ion Ratio Lower Upper
 105 100
 120 48.6 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 48.347 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

Instrument :

MSVOA_W

ClientSampleId :

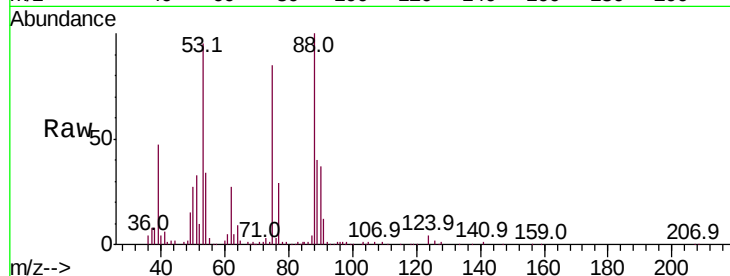
Tot Ion: 75 Resp: 37747

Ion Ratio Lower Upper

75 100

53 105.9 85.6 128.4

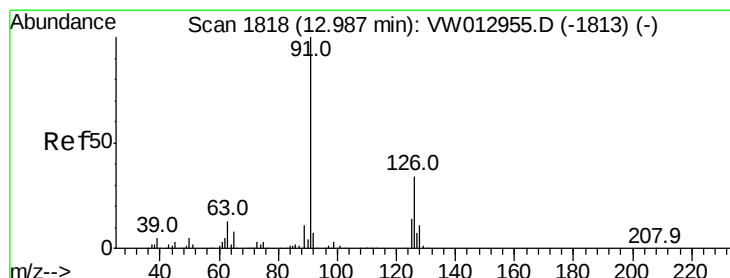
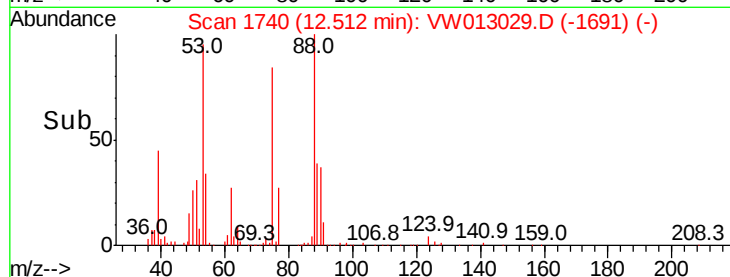
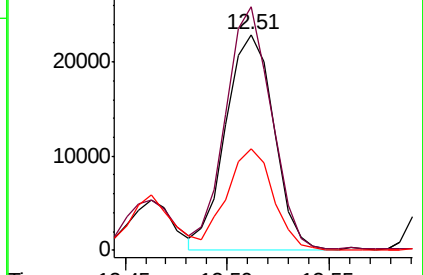
89 45.2 37.2 55.8



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 52.424 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW013029.D

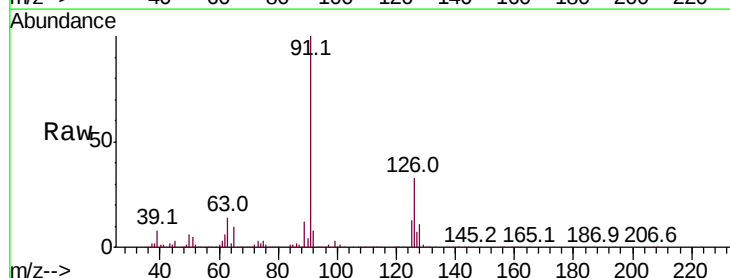
Acq: 15 Sep 2019 08:19

Tgt Ion: 91 Resp: 501287

Ion Ratio Lower Upper

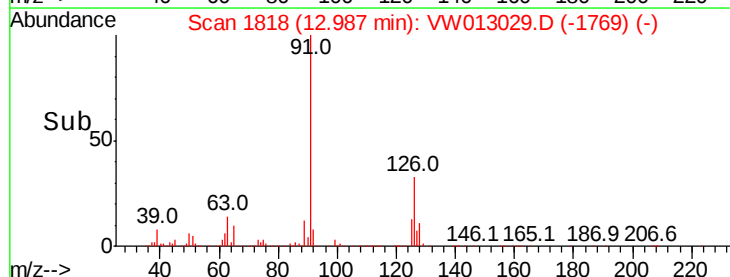
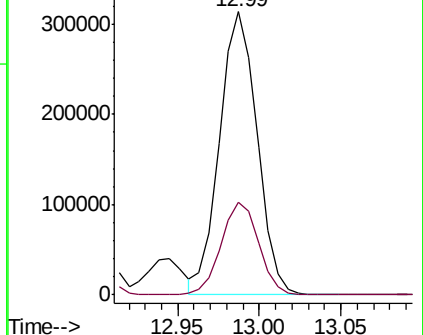
91 100

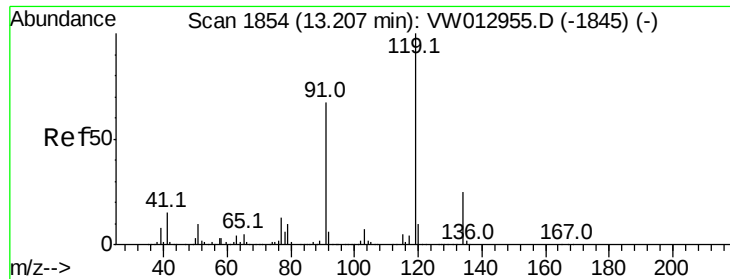
126 33.0 16.1 48.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

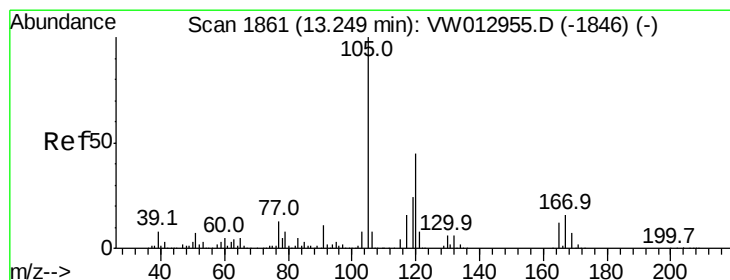
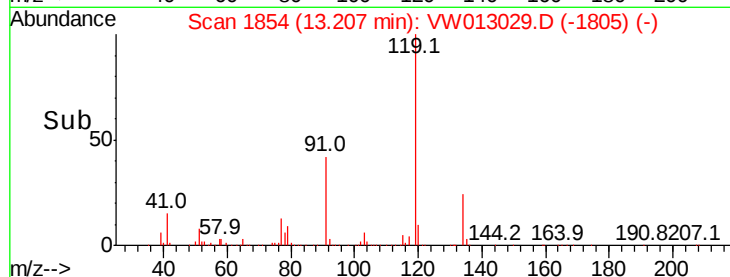
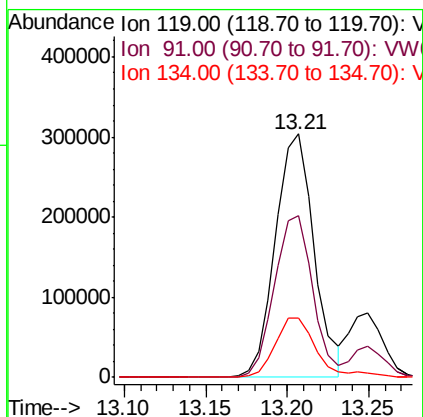
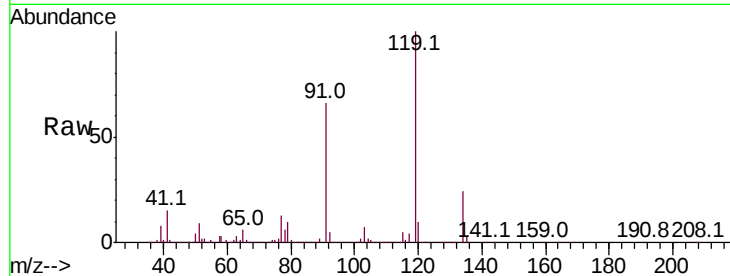




#83
 tert-Butylbenzene
 Concen: 49.175 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW013029.D
 Acq: 15 Sep 2019 08:19

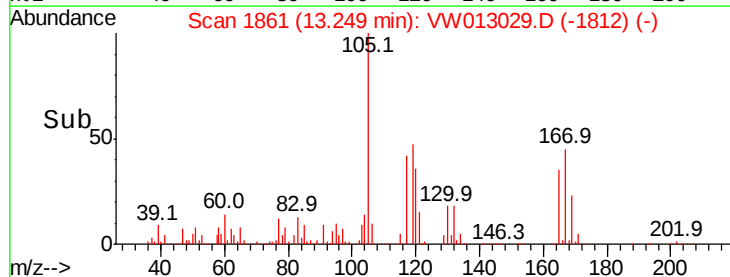
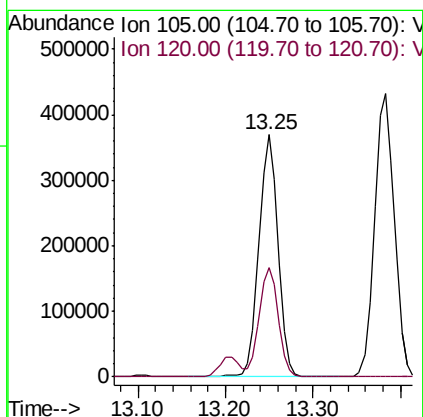
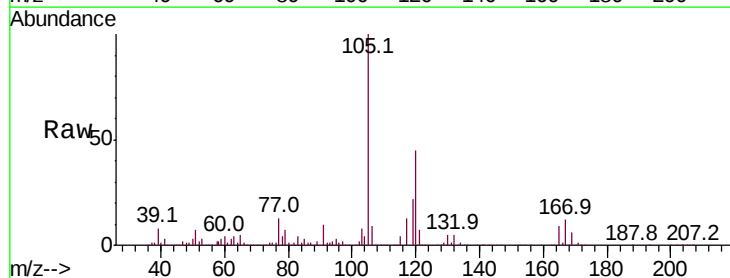
Instrument :
 MSVOA_W
 ClientSampled :

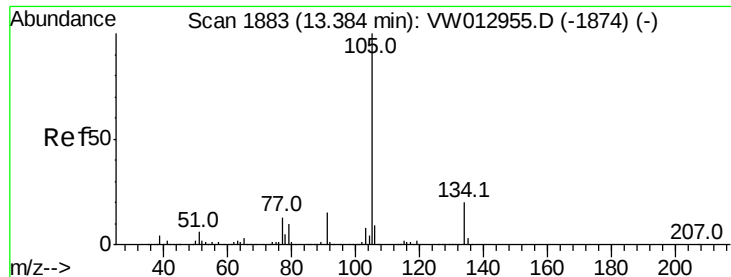
Tot Ion:119 Resp: 498727
 Ion Ratio Lower Upper
 119 100
 91 65.7 32.6 98.0
 134 26.0 12.4 37.4



#84
 1,2,4-Trimethylbenzene
 Concen: 49.964 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013029.D
 Acq: 15 Sep 2019 08:19

Tgt Ion:105 Resp: 559807
 Ion Ratio Lower Upper
 105 100
 120 44.7 21.9 65.7





#85

sec-Butylbenzene

Concen: 48.880 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

Instrument :

MSVOA_W

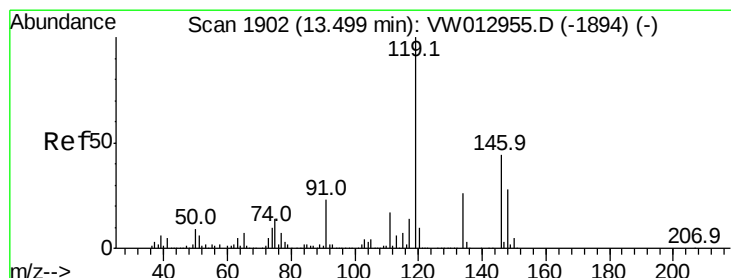
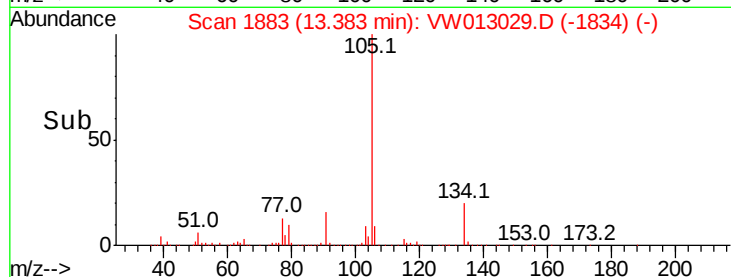
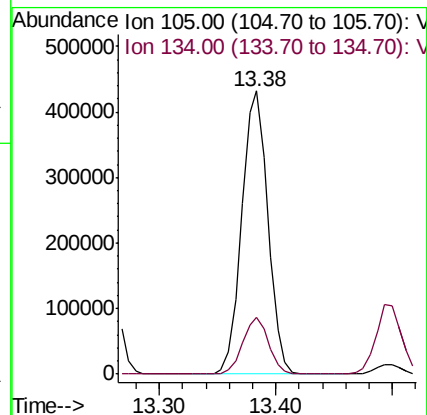
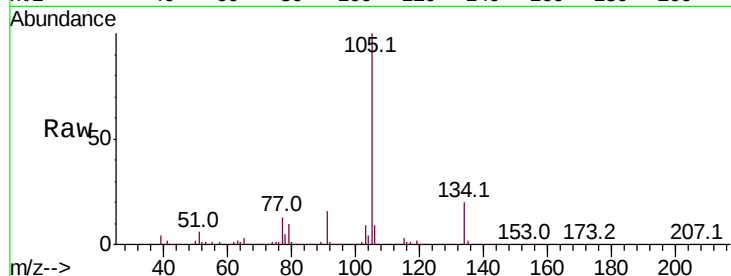
ClientSampleId :

Tot Ion:105 Resp: 675405

Ion Ratio Lower Upper

105 100

134 19.9 10.2 30.4



#86

p-Isopropyltoluene

Concen: 50.052 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.01 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

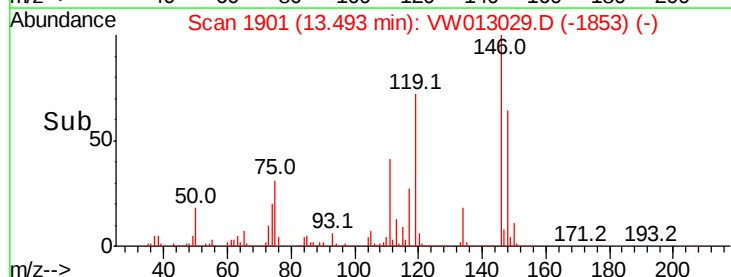
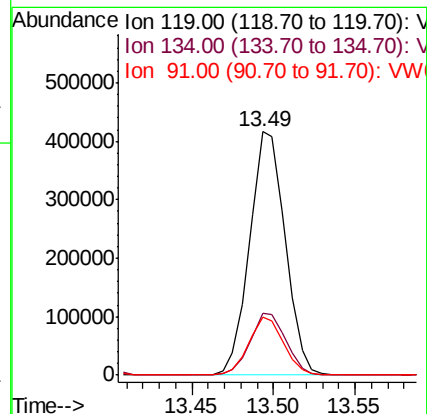
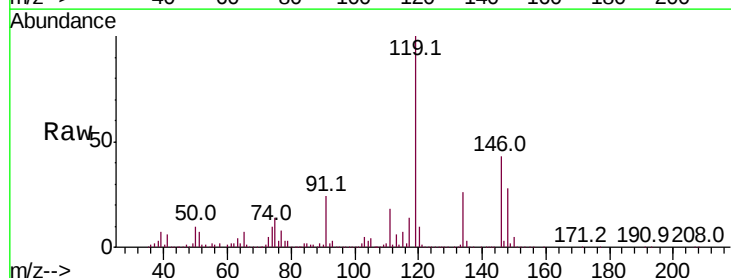
Tgt Ion:119 Resp: 634966

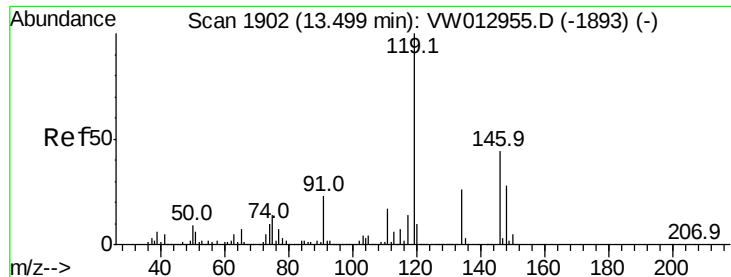
Ion Ratio Lower Upper

119 100

134 25.5 12.8 38.3

91 23.2 11.8 35.4





#87

1,3-Dichlorobenzene

Concen: 50.408 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

Instrument :

MSVOA_W

ClientSampled :

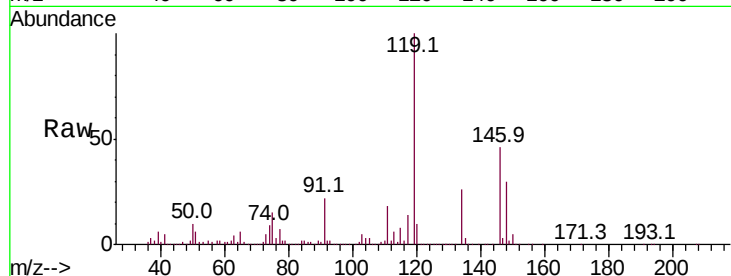
Tot Ion:146 Resp: 308099

Ion Ratio Lower Upper

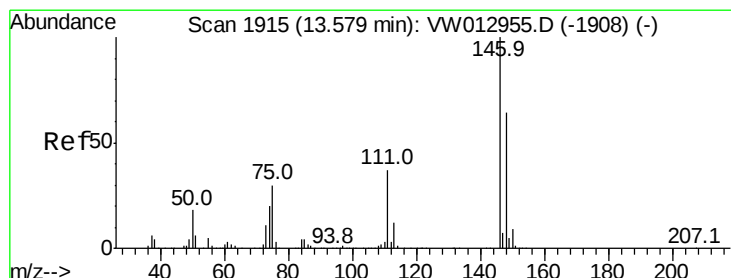
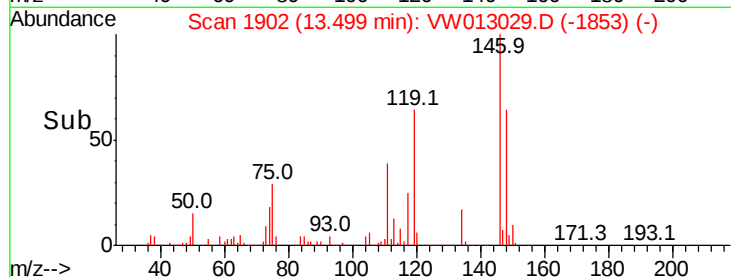
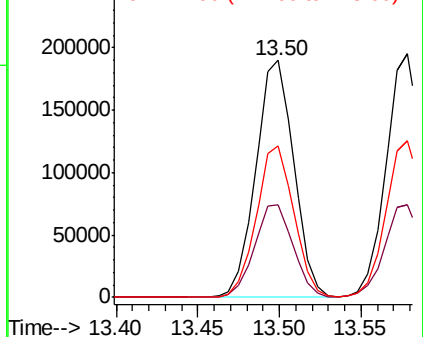
146 100

111 39.6 19.8 59.4

148 63.1 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 51.557 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

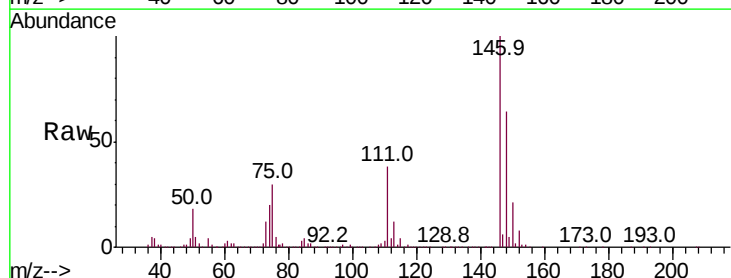
Tgt Ion:146 Resp: 309669

Ion Ratio Lower Upper

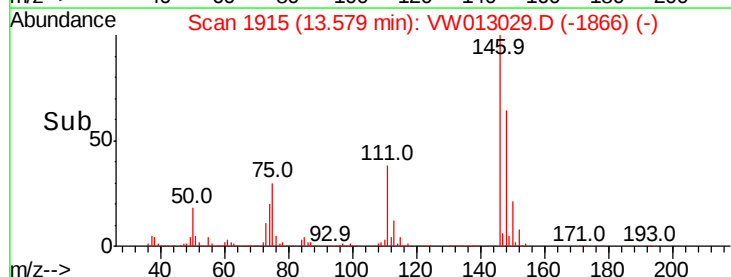
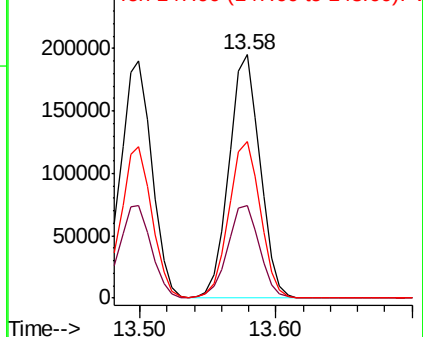
146 100

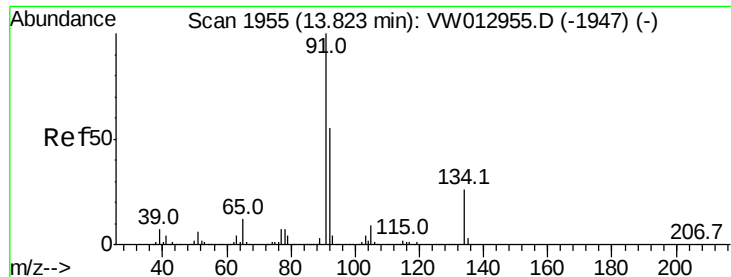
111 38.9 19.4 58.2

148 65.2 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 51.078 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

Instrument :

MSVOA_W

ClientSampleId :

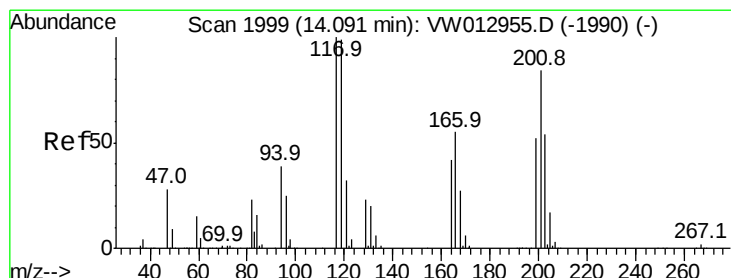
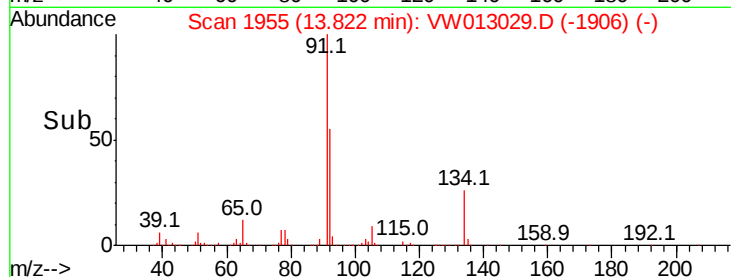
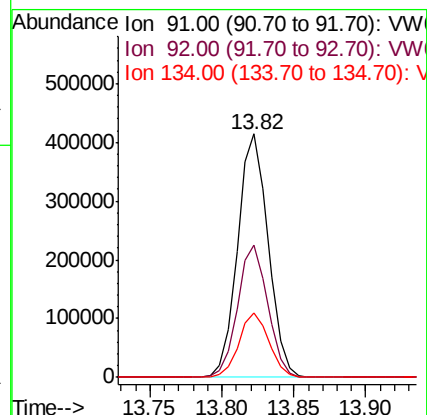
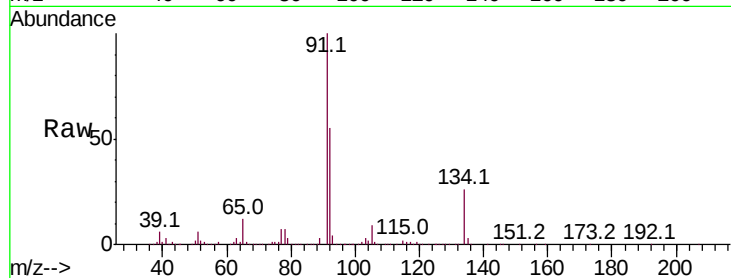
Tot Ion: 91 Resp: 611108

Ion Ratio Lower Upper

91 100

92 53.9 27.2 81.5

134 26.0 13.1 39.1



#90

Hexachloroethane

Concen: 49.655 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW013029.D

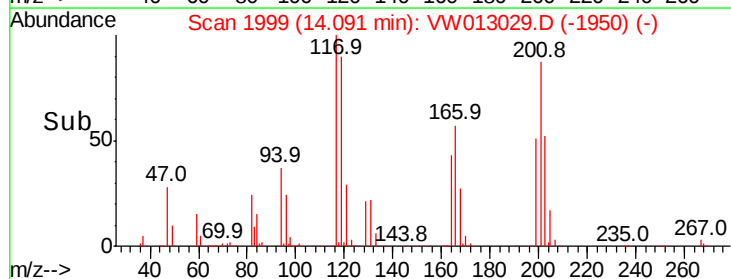
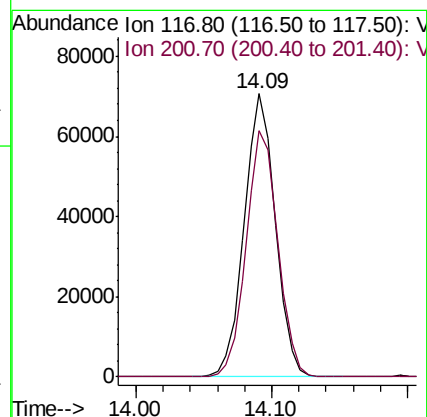
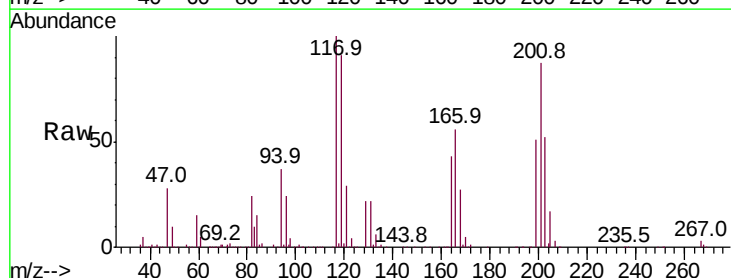
Acq: 15 Sep 2019 08:19

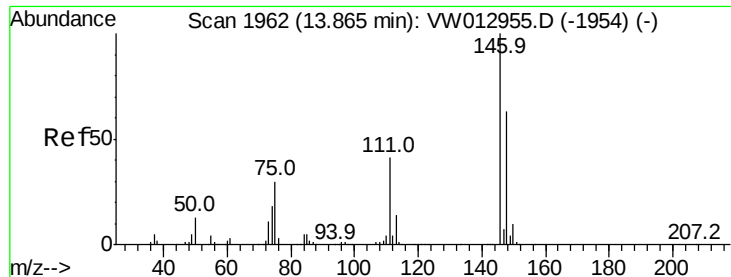
Tgt Ion: 117 Resp: 112886

Ion Ratio Lower Upper

117 100

201 88.6 45.3 135.9





#91

1,2-Dichlorobenzene

Concen: 53.983 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.01 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

Instrument :

MSVOA_W

ClientSampleId :

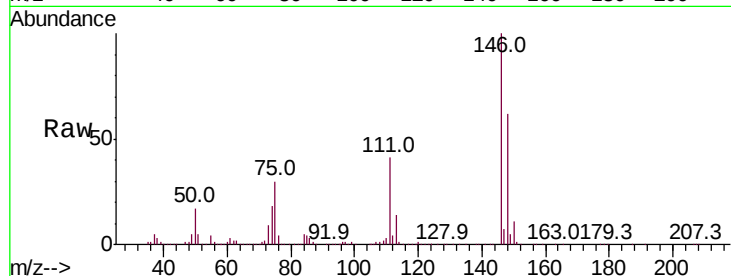
Tot Ion:146 Resp: 290162

Ion Ratio Lower Upper

146 100

111 41.1 20.8 62.5

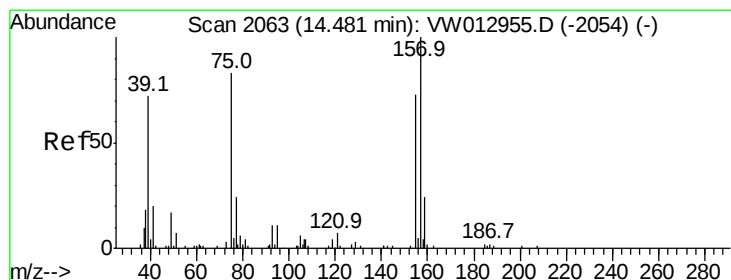
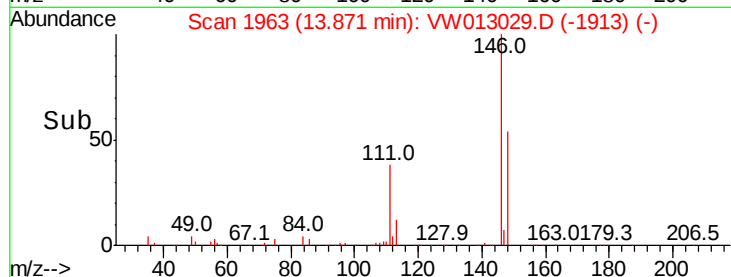
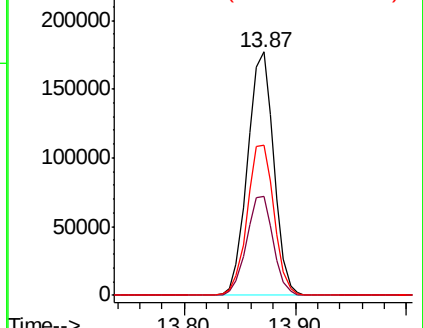
148 63.3 32.7 98.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 55.053 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.01 min

Lab File: VW013029.D

Acq: 15 Sep 2019 08:19

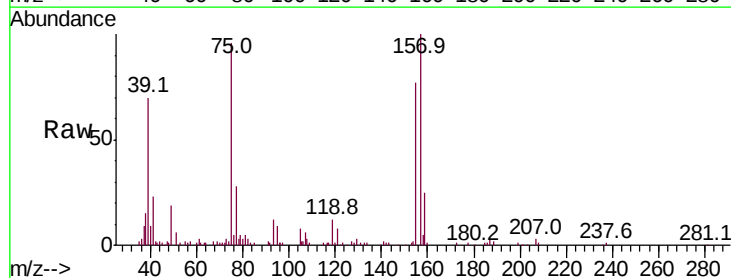
Tgt Ion: 75 Resp: 23721

Ion Ratio Lower Upper

75 100

155 82.3 43.3 129.9

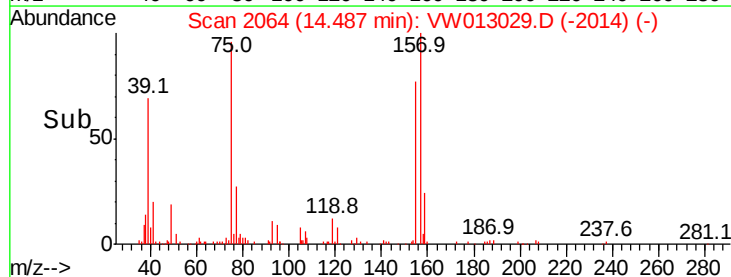
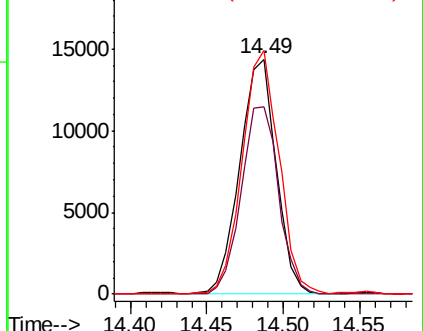
157 105.1 54.7 164.1

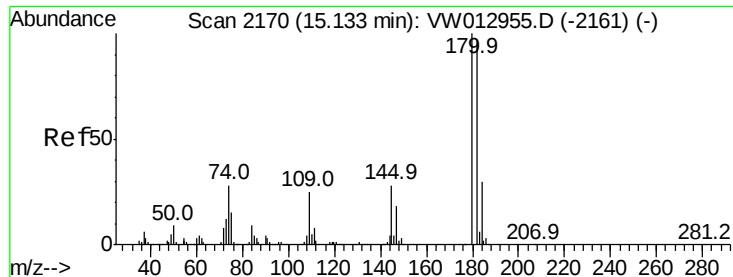


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

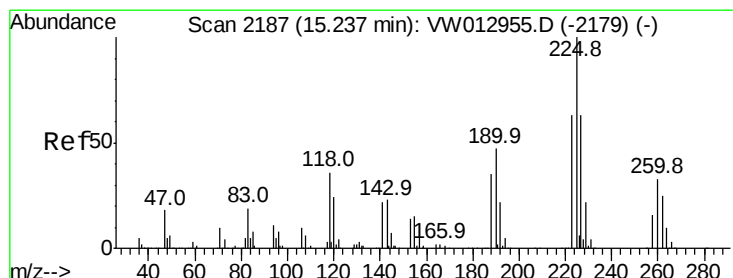
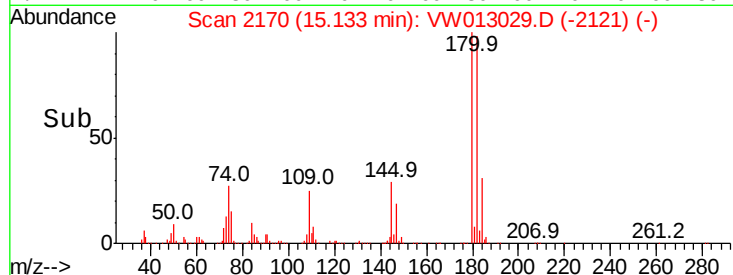
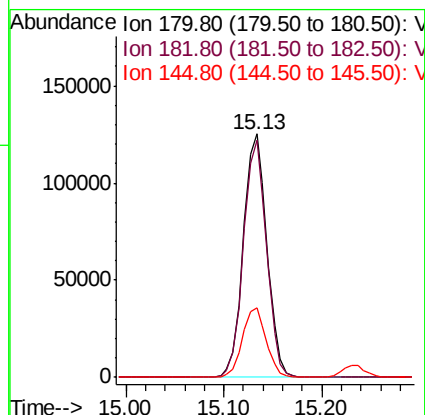
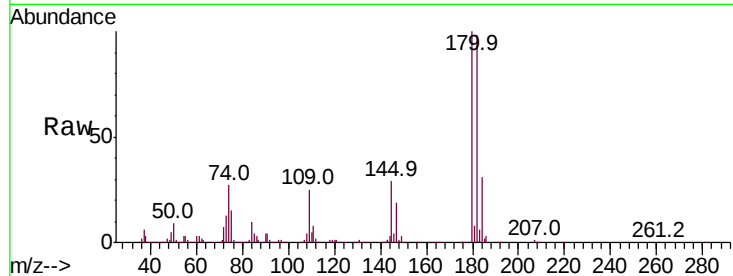




#93
 1,2,4-Trichlorobenzene
 Concen: 54.573 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013029.D
 Acq: 15 Sep 2019 08:19

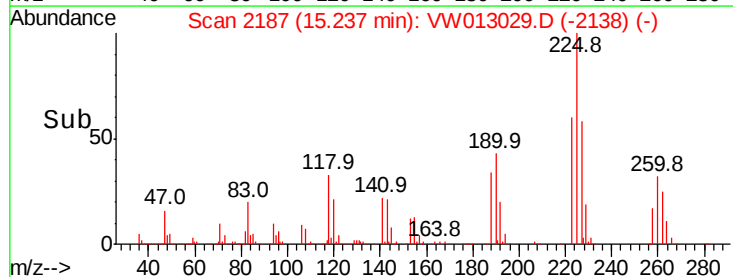
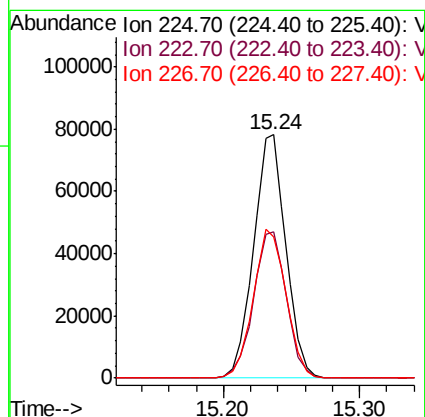
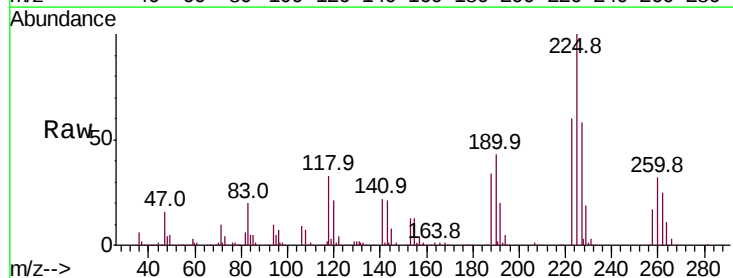
Instrument :
 MSVOA_W
 ClientSampleId :

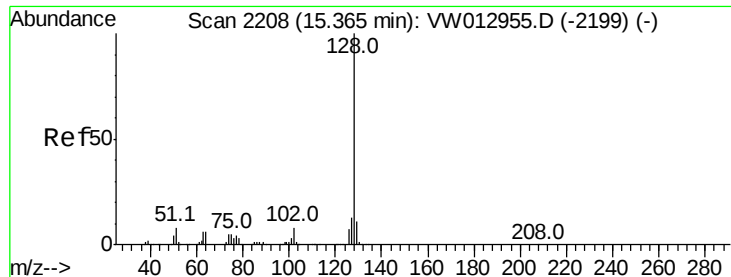
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.4	142.2
145	28.8	14.9	44.7



#94
 Hexachlorobutadiene
 Concen: 47.874 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013029.D
 Acq: 15 Sep 2019 08:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.2	31.8	95.3
227	62.0	31.3	93.8

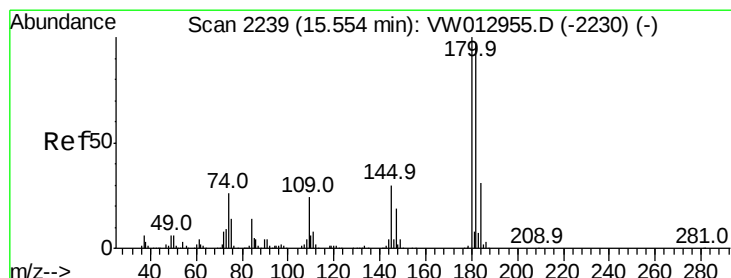
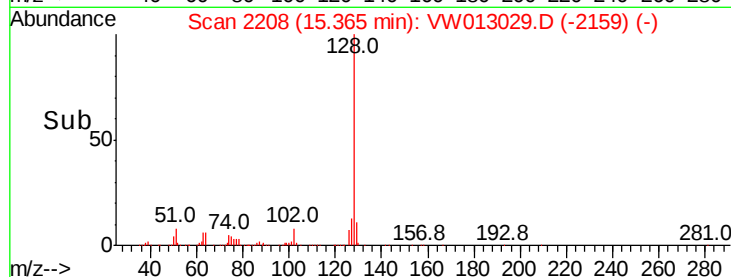
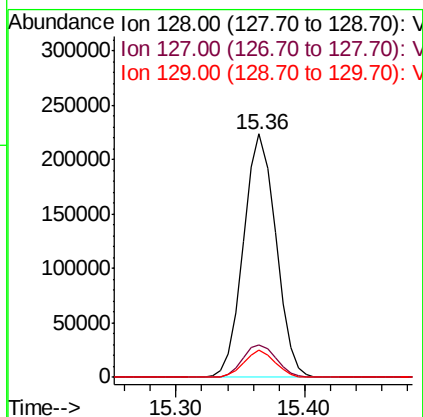
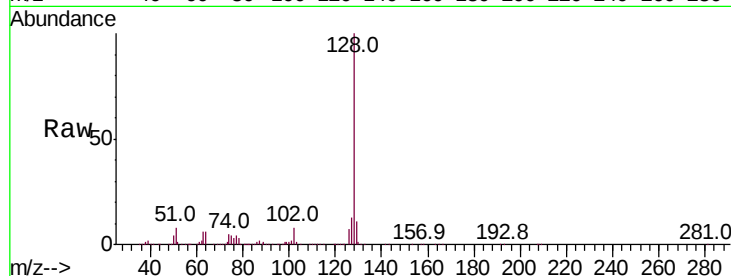




#95
Naphthalene
Concen: 60.658 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 388513
Ion Ratio Lower Upper
128 100
127 13.9 11.0 16.6
129 10.7 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 54.680 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013029.D
Acq: 15 Sep 2019 08:19

Tgt Ion:180 Resp: 185286
Ion Ratio Lower Upper
180 100
182 95.1 47.6 142.8
145 30.7 15.4 46.2

