

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102419\
 Data File : VW013712.D
 Acq On : 24 Oct 2019 15:51
 Operator : SY/VA
 Sample : VW1024SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1024SBS01

Quant Time: Oct 25 07:57:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	330063	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	461275	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	397184	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	204098	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	127595	51.53	ug/l	0.00
Spiked Amount			Recovery	=	103.06%	
35) Dibromofluoromethane	7.88	113	136220	53.15	ug/l	0.00
Spiked Amount			Recovery	=	106.30%	
50) Toluene-d8	10.32	98	560259	53.64	ug/l	0.00
Spiked Amount			Recovery	=	107.28%	
62) 4-Bromofluorobenzene	12.62	95	184035	52.04	ug/l	0.00
Spiked Amount			Recovery	=	104.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	37776	21.725	ug/l	95
3) Chloromethane	2.21	50	41685	22.306	ug/l	97
4) Vinyl Chloride	2.37	62	64345	22.799	ug/l	95
5) Bromomethane	2.78	94	39416	21.236	ug/l	100
6) Chloroethane	2.92	64	36038	21.103	ug/l	95
7) Trichlorofluoromethane	3.26	101	37886	21.492	ug/l	92
8) Diethyl Ether	3.68	74	27993	19.655	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	60171	20.997	ug/l	98
10) Methyl Iodide	4.28	142	95842	20.524	ug/l	99
11) Tert butyl alcohol	5.18	59	6763	45.754	ug/l #	92
12) 1,1-Dichloroethene	4.04	96	62892	21.246	ug/l	95
13) Acrolein	3.90	56	13019	76.879	ug/l	94
14) Allyl chloride	4.67	41	92229	20.262	ug/l	99
15) Acrylonitrile	5.37	53	56053	96.792	ug/l	98
16) Acetone	4.13	43	45635	86.925	ug/l	96
17) Carbon Disulfide	4.38	76	179337	21.095	ug/l	99
18) Methyl Acetate	4.68	43	28751	19.978	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	70811	19.934	ug/l	99
20) Methylene Chloride	4.92	84	70708	21.801	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	66235	20.789	ug/l	99
22) Diisopropyl ether	6.31	45	165900	19.981	ug/l	99
23) Vinyl Acetate	6.25	43	460184	95.521	ug/l	100
24) 1,1-Dichloroethane	6.21	63	106866	20.323	ug/l	99
25) 2-Butanone	7.17	43	69465	92.034	ug/l	95
26) 2,2-Dichloropropane	7.17	77	63721	20.956	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	68810	20.334	ug/l	98
28) Bromochloromethane	7.51	49	26929	15.329	ug/l #	100
29) Tetrahydrofuran	7.53	42	43809	93.752	ug/l	99
30) Chloroform	7.67	83	106102	20.412	ug/l	98
31) Cyclohexane	7.96	56	112629	20.467	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	85102	20.863	ug/l	98
36) 1,1-Dichloropropene	8.08	75	90836	21.145	ug/l	99
37) Ethyl Acetate	7.25	43	30959	18.826	ug/l	99
38) Carbon Tetrachloride	8.06	117	82840	21.414	ug/l	99

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Quant Time: Oct 25 07:57:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	114447	20.630	ug/l	97
40) Benzene	8.32	78	250824	20.631	ug/l	98
41) Methacrylonitrile	7.48	41	18449	17.991	ug/l	97
42) 1,2-Dichloroethane	8.40	62	64311	20.992	ug/l	100
43) Isopropyl Acetate	8.42	43	60384	19.183	ug/l	99
44) Trichloroethene	9.09	130	73999	21.249	ug/l	97
45) 1,2-Dichloropropane	9.37	63	58192	20.039	ug/l	97
46) Dibromomethane	9.46	93	29388	20.851	ug/l	96
47) Bromodichloromethane	9.65	83	73327	20.107	ug/l	96
48) Methyl methacrylate	9.43	41	29943	19.182	ug/l	98
49) 1,4-Dioxane	9.47	88	7899	379.268	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	145645	93.114	ug/l	99
52) Toluene	10.38	92	163716	20.877	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	71626	19.402	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	91507	20.090	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	42401	20.186	ug/l	97
56) Ethyl methacrylate	10.65	69	49609	18.877	ug/l	94
57) 1,3-Dichloropropane	10.93	76	72301	20.058	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	115192	95.239	ug/l	98
59) 2-Hexanone	10.97	43	97968	90.852	ug/l	100
60) Dibromochloromethane	11.13	129	49941	20.025	ug/l	99
61) 1,2-Dibromoethane	11.23	107	39023	19.637	ug/l	99
64) Tetrachloroethene	10.86	164	62031	20.441	ug/l	99
65) Chlorobenzene	11.66	112	166901	20.449	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	57938	20.340	ug/l	99
67) Ethyl Benzene	11.73	91	302569	20.559	ug/l	99
68) m/p-Xylenes	11.83	106	236612	41.613	ug/l	97
69) o-Xylene	12.16	106	107305	20.531	ug/l	96
70) Styrene	12.18	104	183644	20.451	ug/l	99
71) Bromoform	12.35	173	29289	19.594	ug/l #	99
73) Isopropylbenzene	12.46	105	302008	20.605	ug/l	100
74) N-amyl acetate	12.27	43	52911	18.662	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	44974	19.445	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	56991	38.883	ug/l #	100
77) Bromobenzene	12.74	156	70758	20.209	ug/l	99
78) n-propylbenzene	12.80	91	355852	20.976	ug/l	99
79) 2-Chlorotoluene	12.89	91	197071	20.671	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	253334	20.475	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	14095	18.174	ug/l	99
82) 4-Chlorotoluene	12.99	91	205979	20.580	ug/l	98
83) tert-Butylbenzene	13.21	119	224268	20.420	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	253588	20.777	ug/l	99
85) sec-Butylbenzene	13.38	105	312614	20.815	ug/l	99
86) p-Isopropyltoluene	13.50	119	289468	20.691	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	138552	20.424	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	135094	20.045	ug/l	97
89) n-Butylbenzene	13.82	91	260930	20.663	ug/l	100
90) Hexachloroethane	14.09	117	49365	20.301	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	119551	20.324	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6665	19.056	ug/l	98

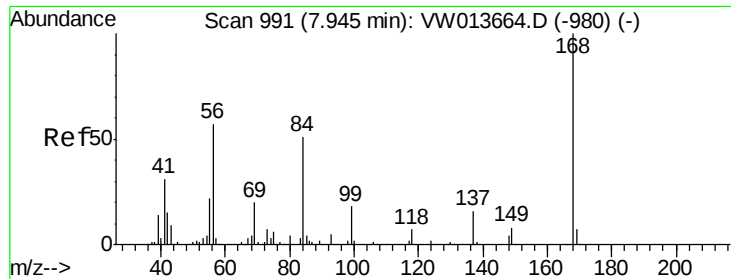
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102419\
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MSVOA_W
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	85217	19.907	ug/l	99
94) Hexachlorobutadiene	15.24	225	59813	20.697	ug/l	99
95) Naphthalene	15.36	128	125948	18.765	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	72164	19.564	ug/l	97

(#) = 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: VW013712.D

Acq: 24 Oct 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

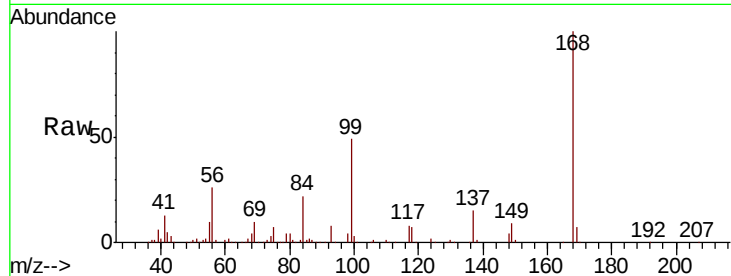
VW1024SBS01

Tot Ion:168 Resp: 330063

Ion Ratio Lower Upper

168 100

99 49.3 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

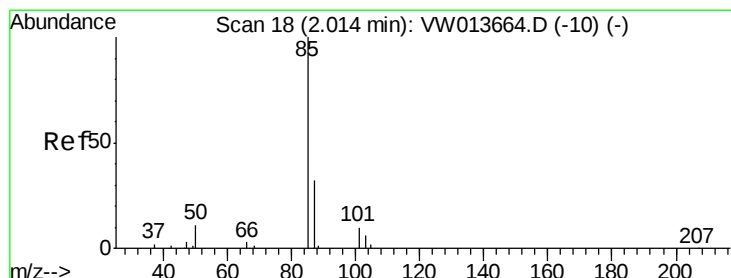
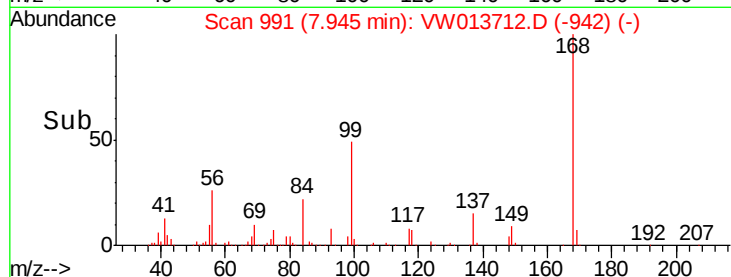
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 21.725 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW013712.D

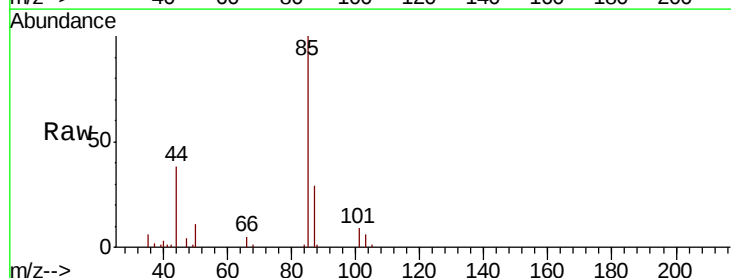
Acq: 24 Oct 2019 15:51

Tgt Ion: 85 Resp: 37776

Ion Ratio Lower Upper

85 100

87 29.4 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

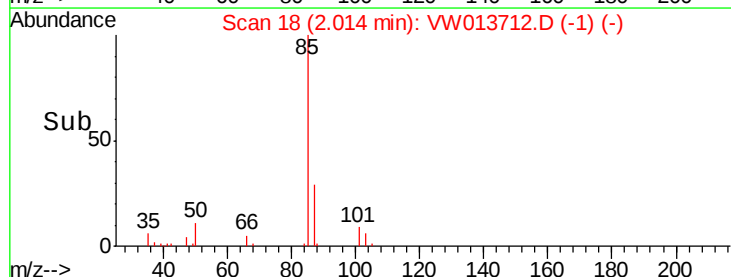
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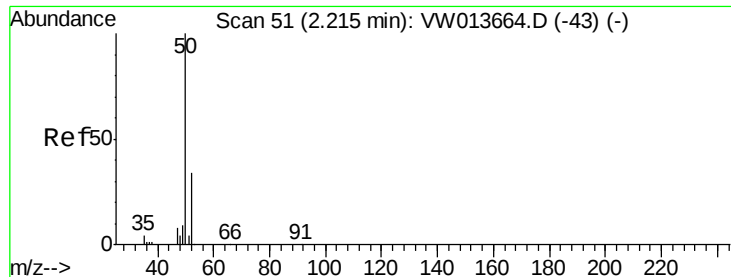
10000

5000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 22.306 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

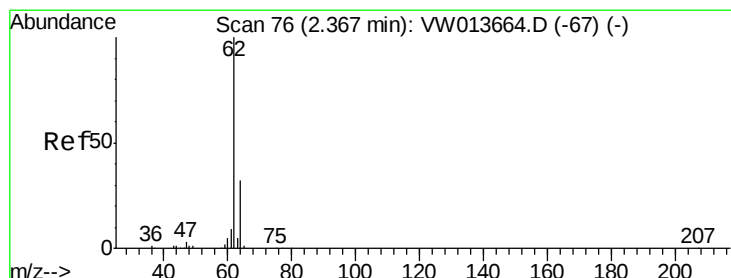
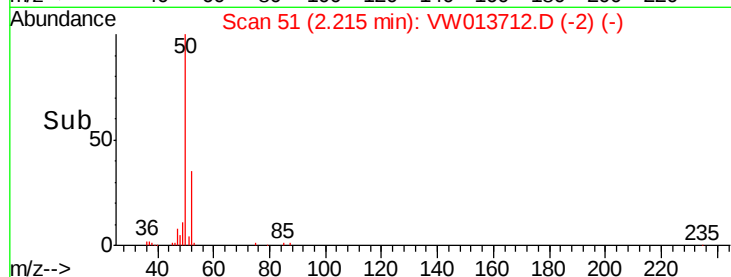
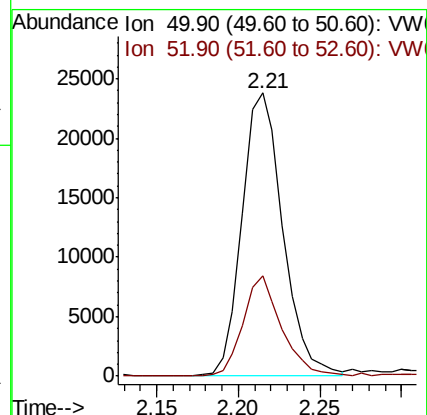
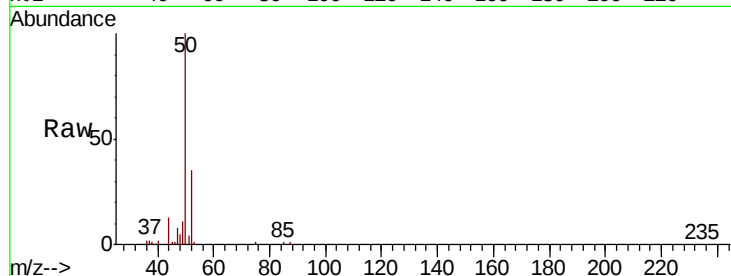
VW1024SBS01

Tot Ion: 50 Resp: 41685

Ion Ratio Lower Upper

50 100

52 35.3 26.9 40.3



#4

Vinyl Chloride

Concen: 22.799 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW013712.D

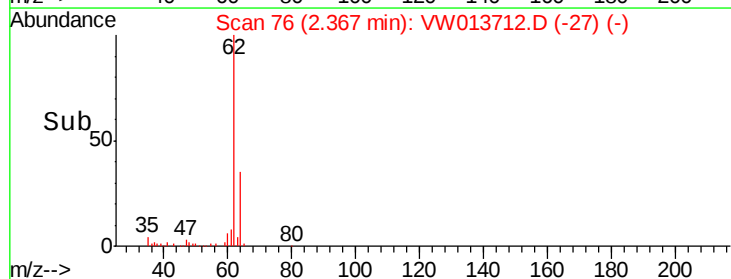
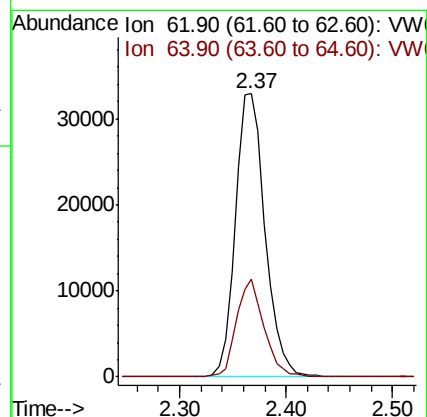
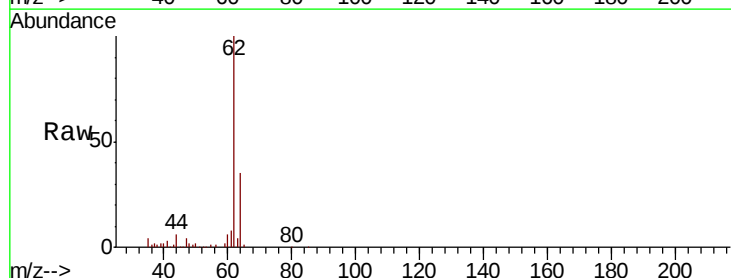
Acq: 24 Oct 2019 15:51

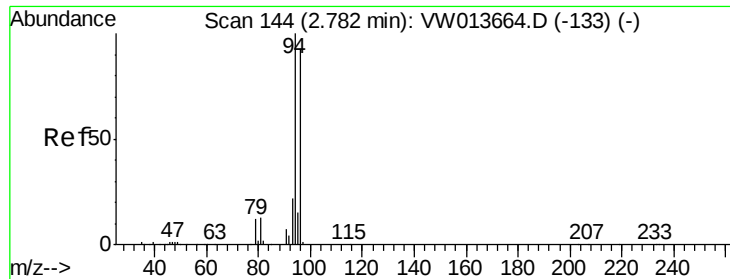
Tgt Ion: 62 Resp: 64345

Ion Ratio Lower Upper

62 100

64 34.6 25.5 38.3





#5

Bromomethane

Concen: 21.236 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

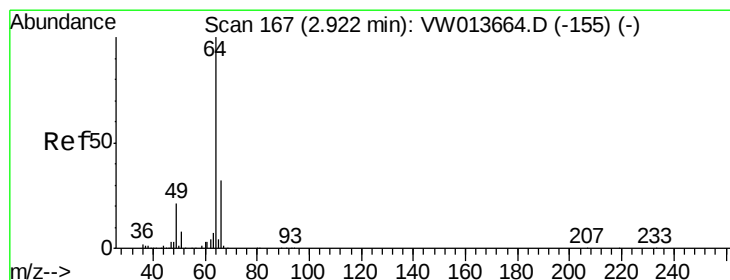
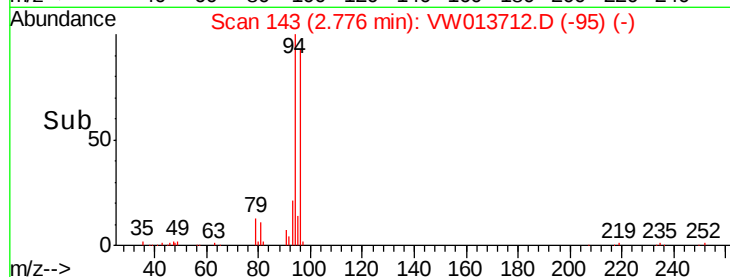
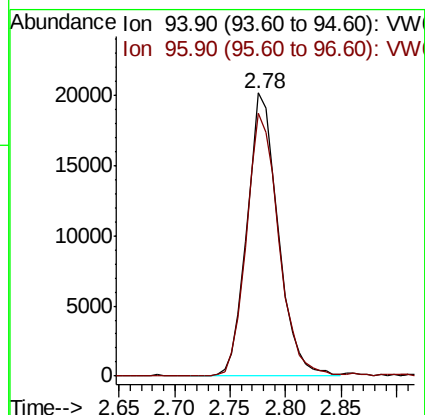
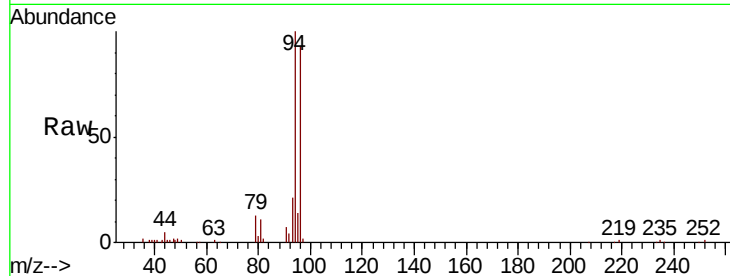
VW1024SBS01

Tot Ion: 94 Resp: 39416

Ion Ratio Lower Upper

94 100

96 93.0 74.6 112.0



#6

Chloroethane

Concen: 21.103 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW013712.D

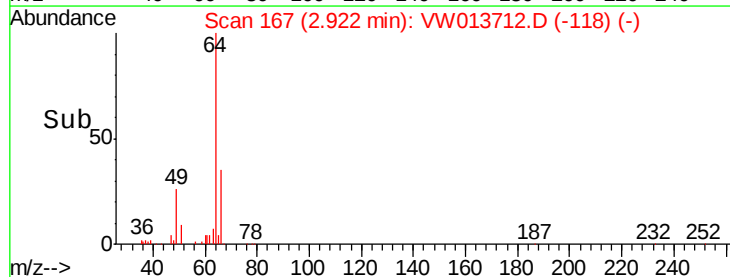
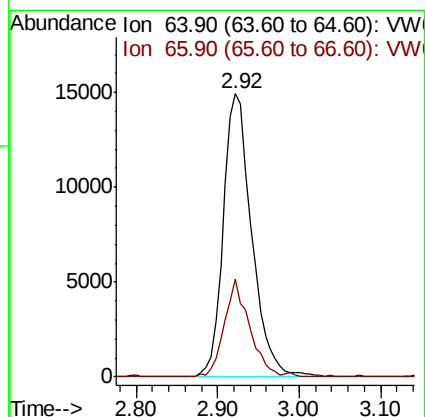
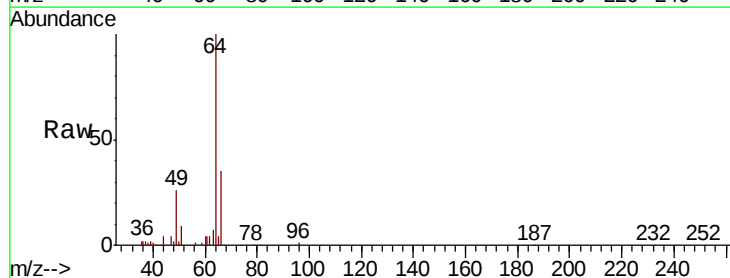
Acq: 24 Oct 2019 15:51

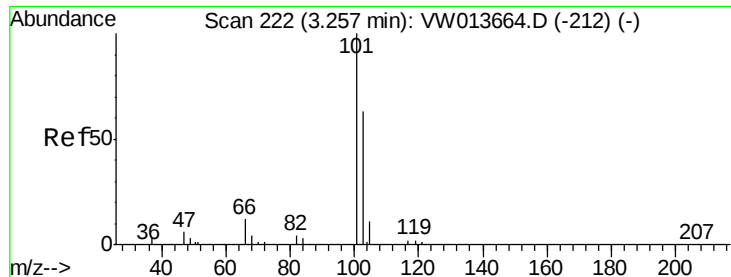
Tgt Ion: 64 Resp: 36038

Ion Ratio Lower Upper

64 100

66 34.6 25.4 38.0



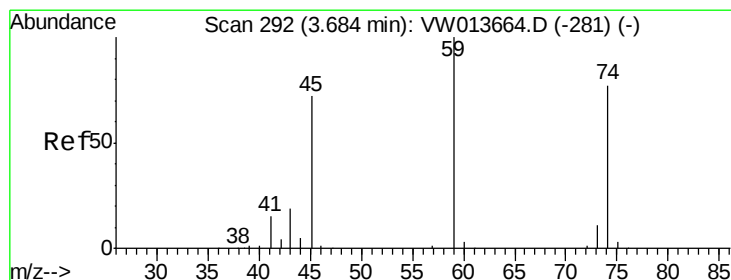
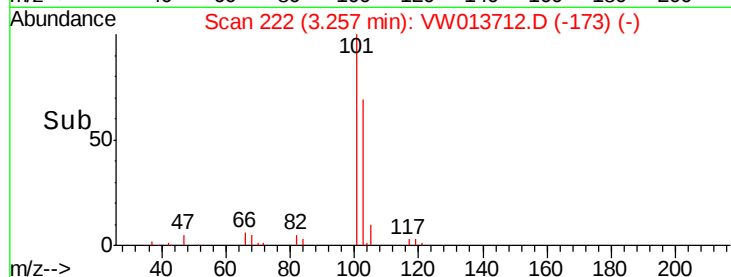
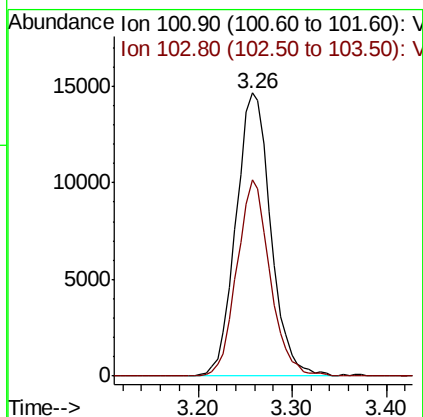
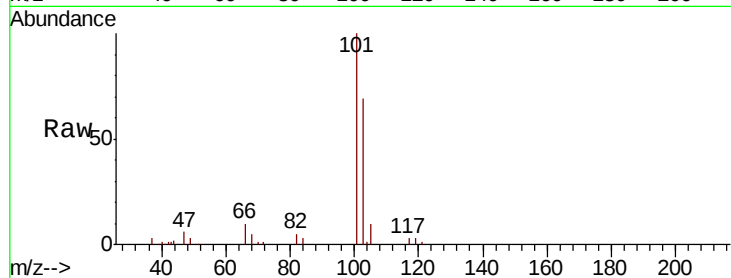


#7

Trichlorofluoromethane
 Concen: 21.492 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW013712.D
 Acq: 24 Oct 2019 15:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1024SBS01

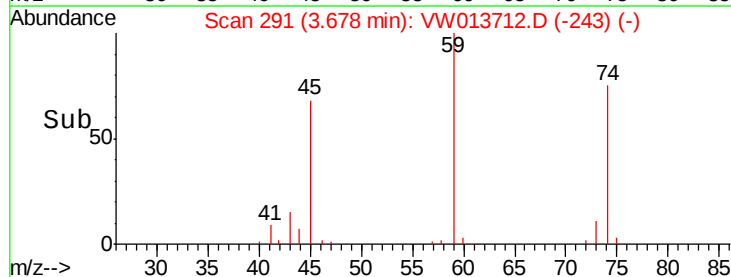
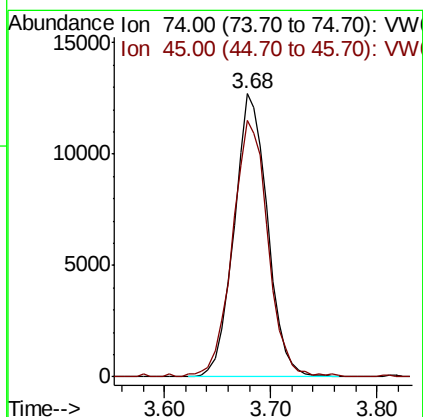
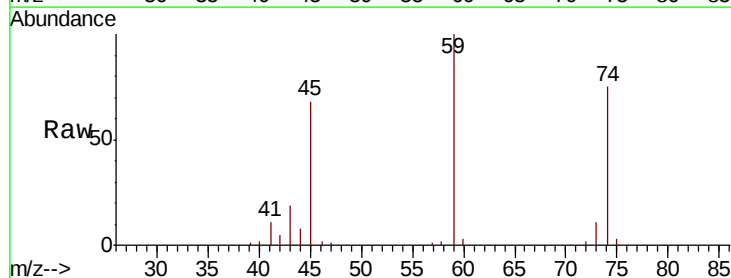
Tot Ion:101 Resp: 37886
 Ion Ratio Lower Upper
 101 100
 103 69.3 50.6 76.0

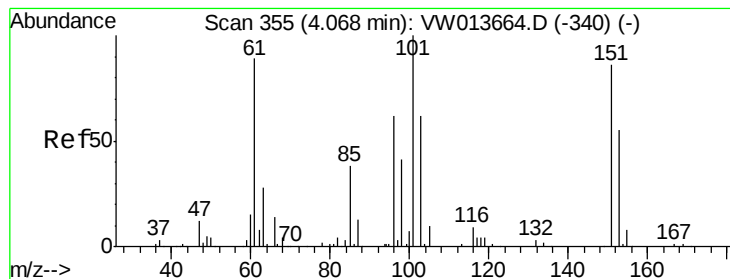


#8

Diethyl Ether
 Concen: 19.655 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW013712.D
 Acq: 24 Oct 2019 15:51

Tgt Ion: 74 Resp: 27993
 Ion Ratio Lower Upper
 74 100
 45 96.4 47.9 143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.997 ug/l

RT: 4.07 min Scan# 356

Delta R.T. 0.01 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

VW1024SBS01

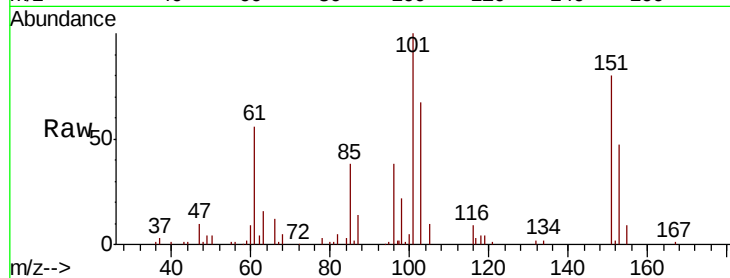
Tot Ion:101 Resp: 60171

Ion Ratio Lower Upper

101 100

85 41.6 31.0 46.6

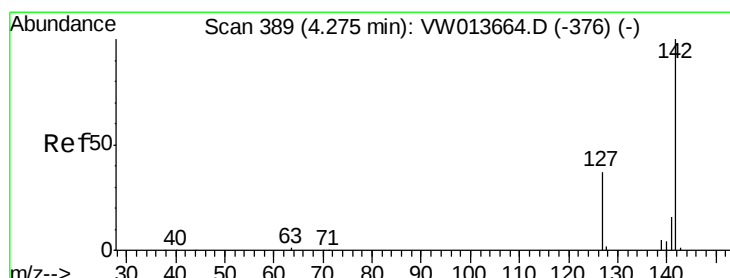
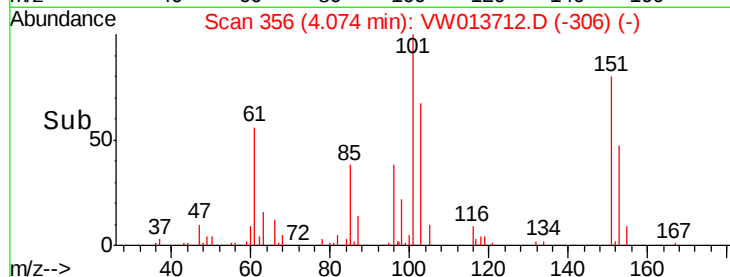
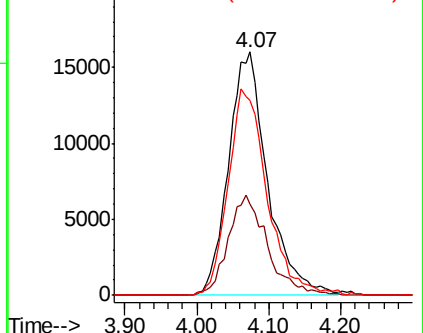
151 85.1 68.2 102.4



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: 20.524 ug/l

RT: 4.28 min Scan# 389

Delta R.T. -0.00 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

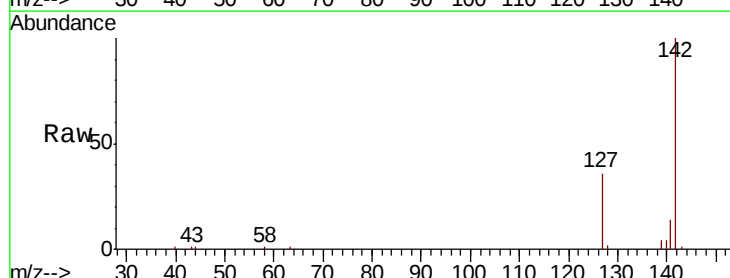
Tgt Ion:142 Resp: 95842

Ion Ratio Lower Upper

142 100

127 38.3 30.3 45.5

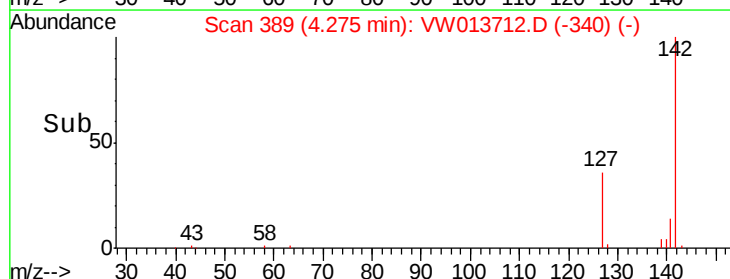
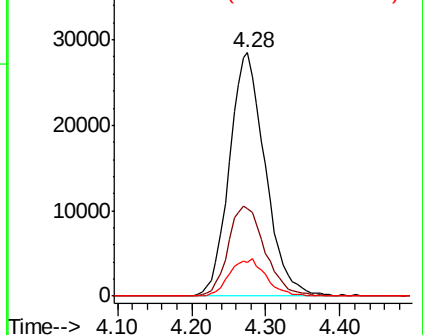
141 15.6 11.8 17.8

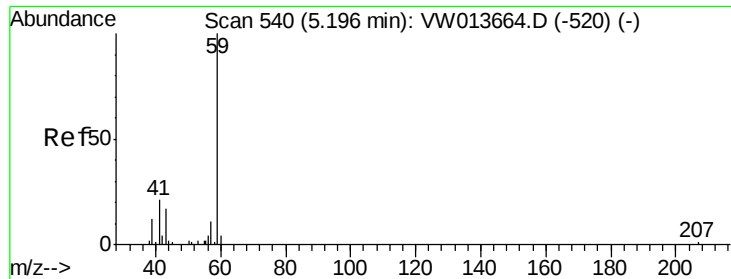


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



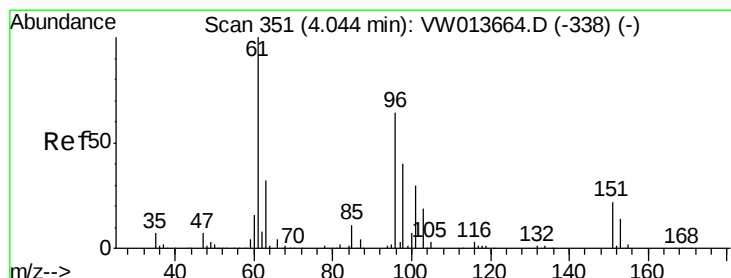
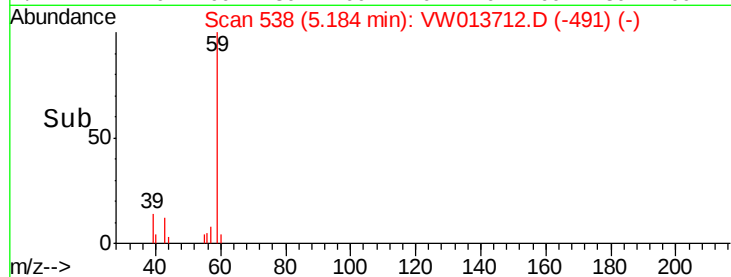
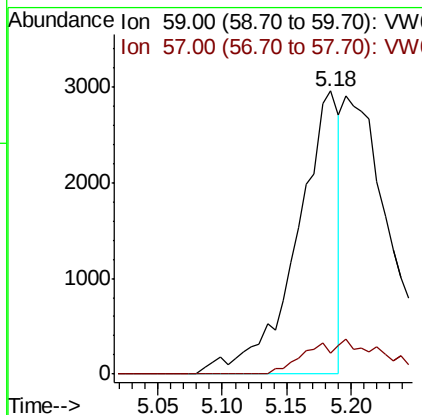
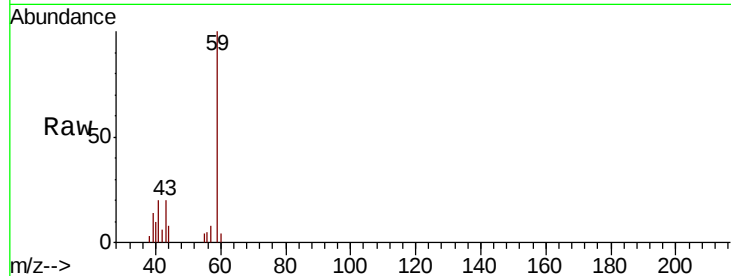


#11

Tert butyl alcohol
Concen: 45.754 ug/l
RT: 5.18 min Scan# 538
Delta R.T. -0.01 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

Instrument :
MSVOA_W
ClientSampleId :
VW1024SBS01

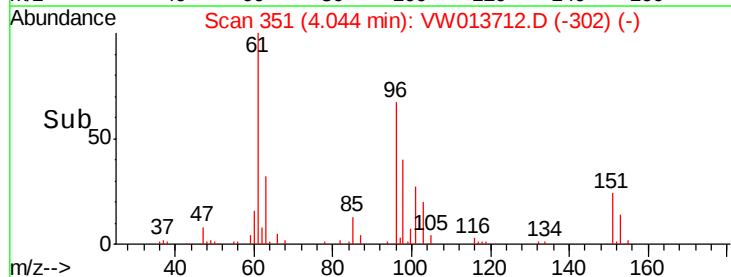
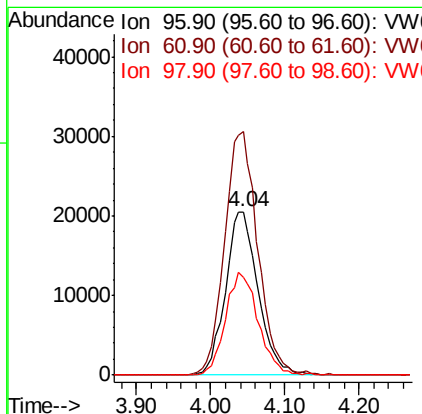
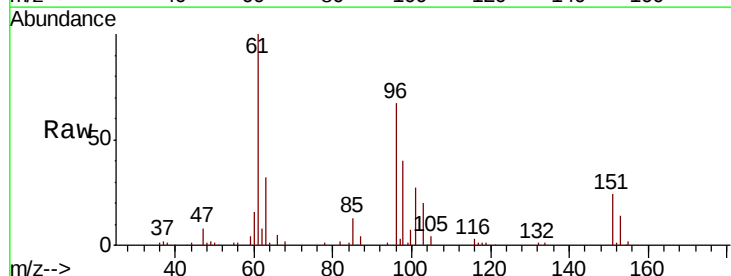
Tot Ion: 59 Resp: 6763
Ion Ratio Lower Upper
59 100
57 7.9 8.8 13.2#

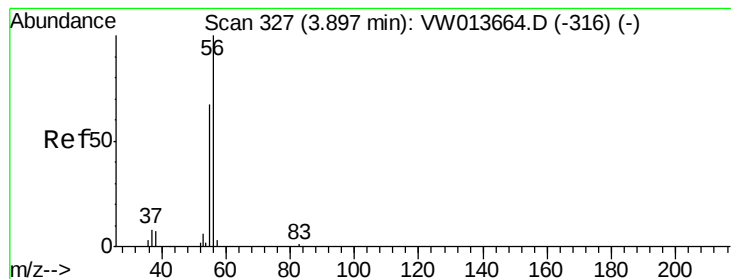


#12

1,1-Dichloroethene
Concen: 21.246 ug/l
RT: 4.04 min Scan# 351
Delta R.T. -0.00 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

Tgt Ion: 96 Resp: 62892
Ion Ratio Lower Upper
96 100
61 149.2 125.0 187.6
98 60.0 50.3 75.5





#13

Acrolein

Concen: 76.879 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.00 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

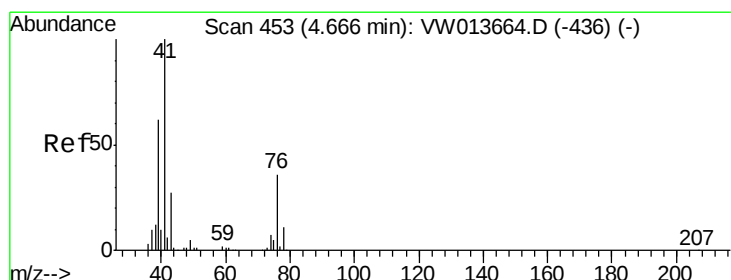
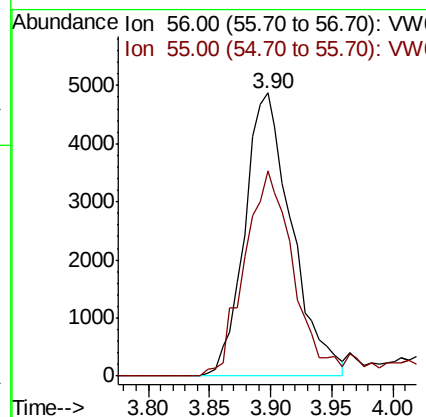
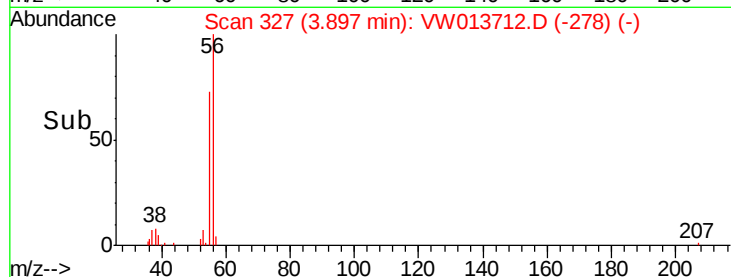
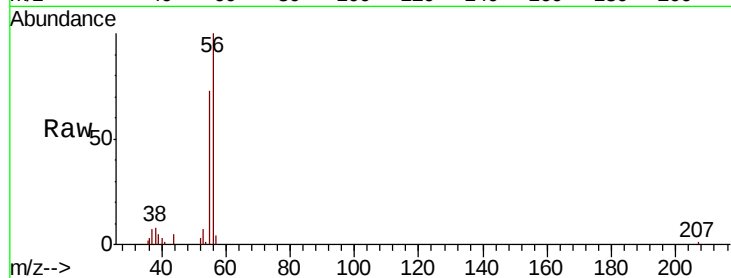
VW1024SBS01

Tot Ion: 56 Resp: 13019

Ion Ratio Lower Upper

56 100

55 75.0 56.1 84.1



#14

Allyl chloride

Concen: 20.262 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

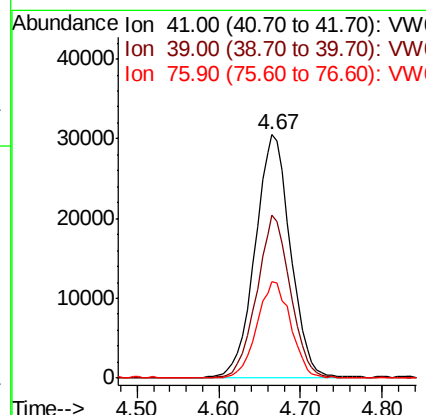
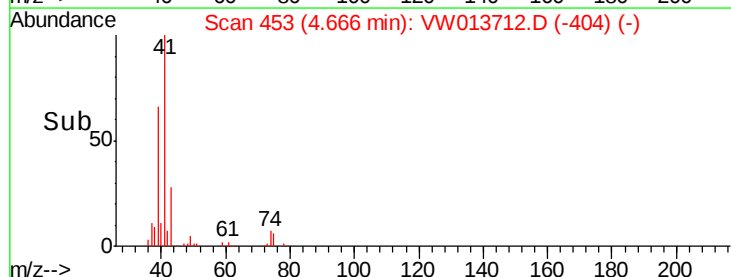
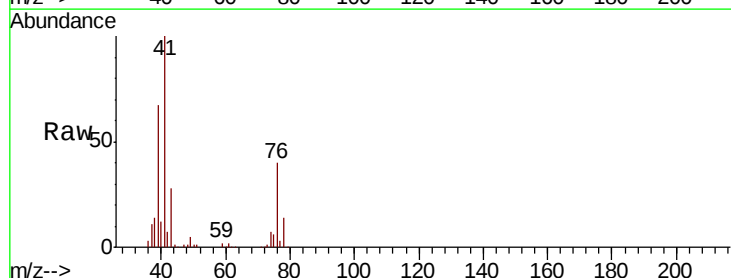
Tgt Ion: 41 Resp: 92229

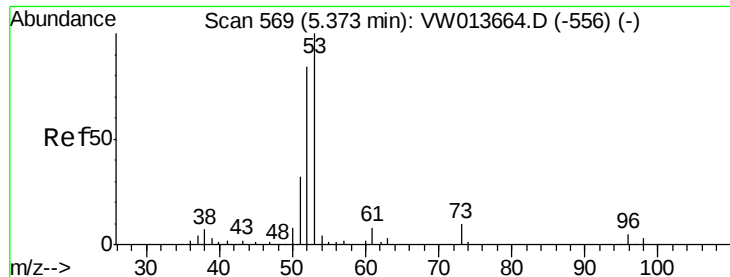
Ion Ratio Lower Upper

41 100

39 63.6 50.0 75.0

76 37.9 29.6 44.4





#15

Acrylonitrile

Concen: 96.792 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

VW1024SBS01

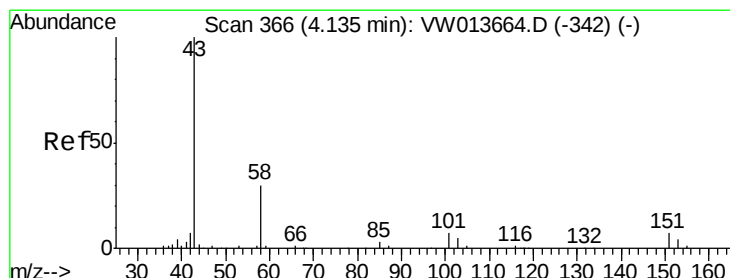
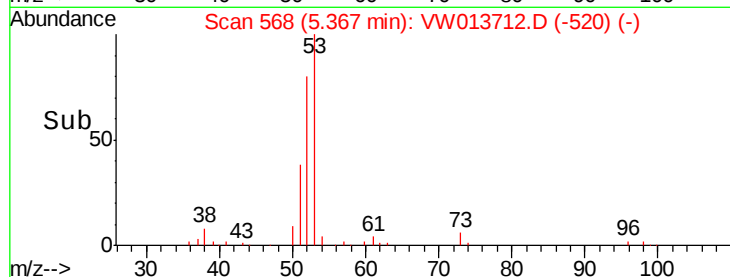
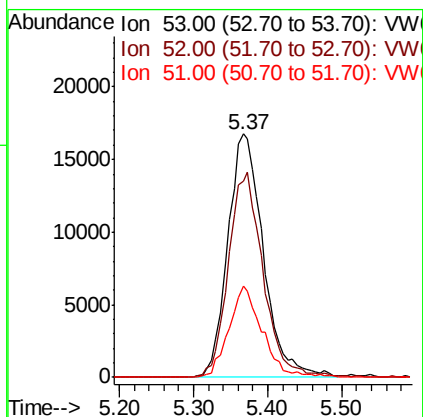
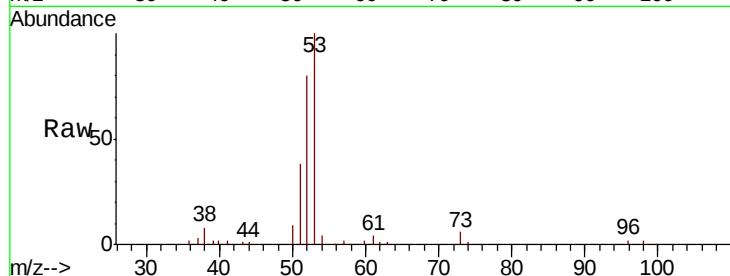
Tot Ion: 53 Resp: 56053

Ion Ratio Lower Upper

53 100

52 81.9 67.4 101.0

51 35.0 29.1 43.7



#16

Acetone

Concen: 86.925 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW013712.D

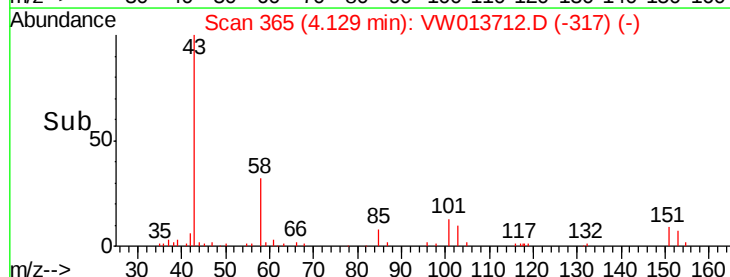
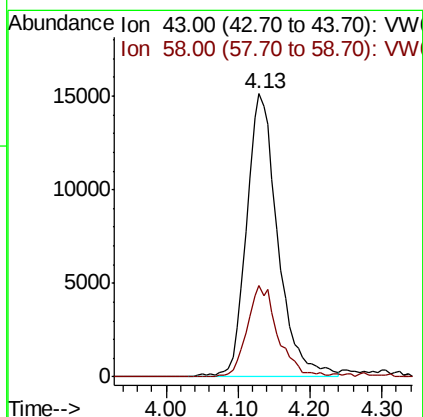
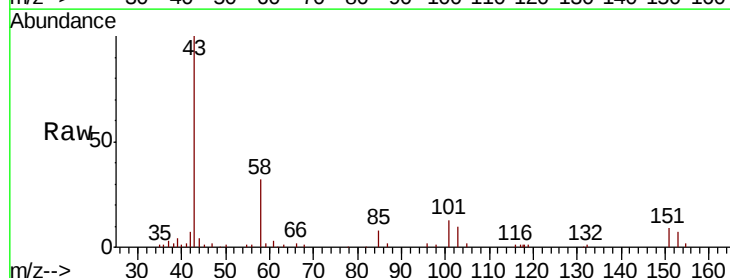
Acq: 24 Oct 2019 15:51

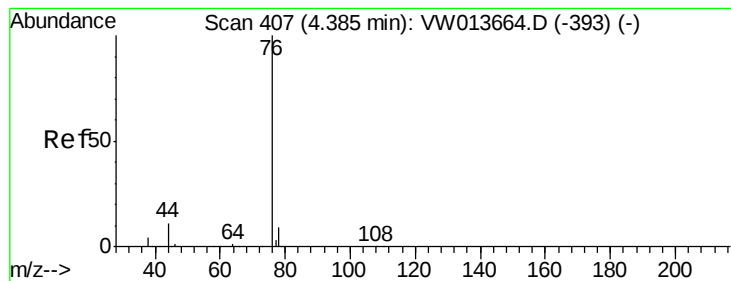
Tgt Ion: 43 Resp: 45635

Ion Ratio Lower Upper

43 100

58 32.5 24.1 36.1





#17

Carbon Disulfide

Concen: 21.095 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

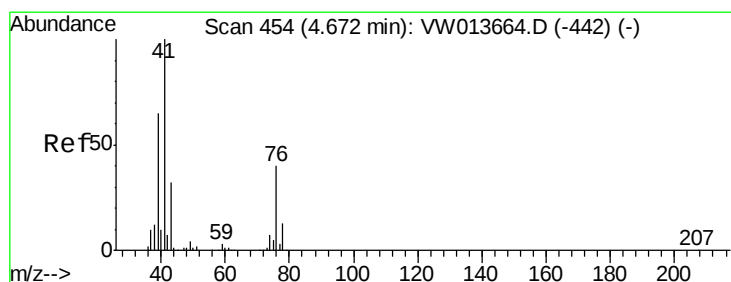
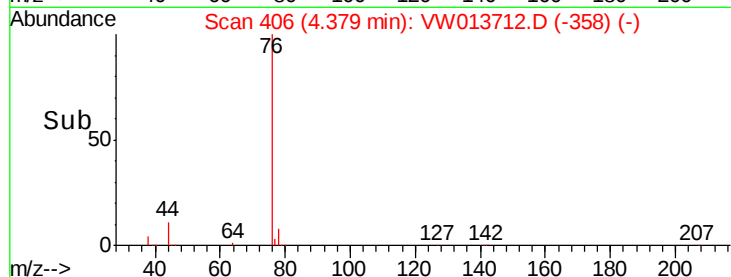
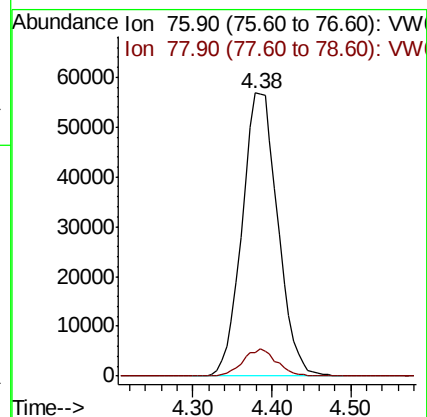
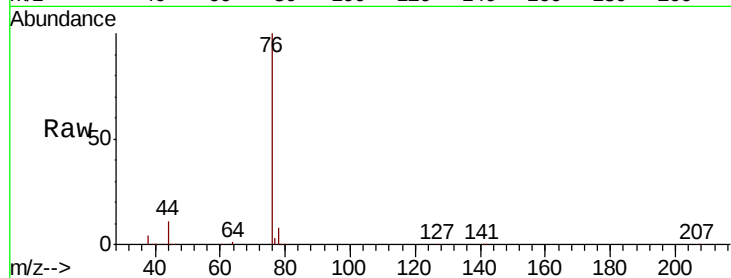
VW1024SBS01

Tot Ion: 76 Resp: 179337

Ion Ratio Lower Upper

76 100

78 8.4 7.0 10.6



#18

Methyl Acetate

Concen: 19.978 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW013712.D

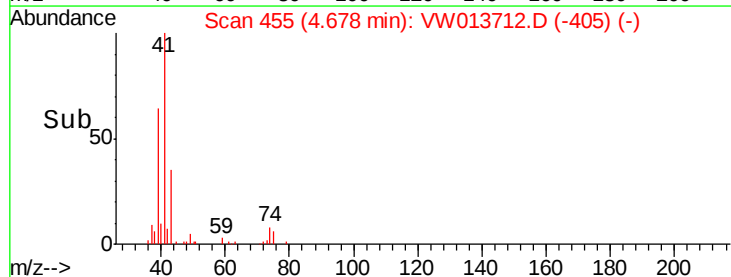
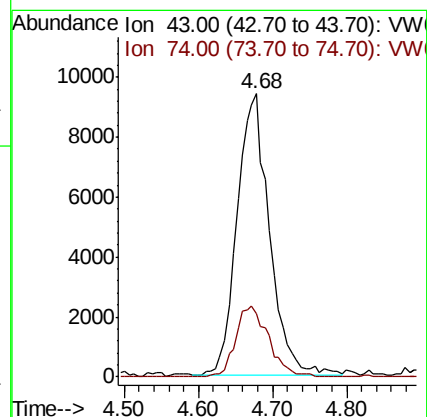
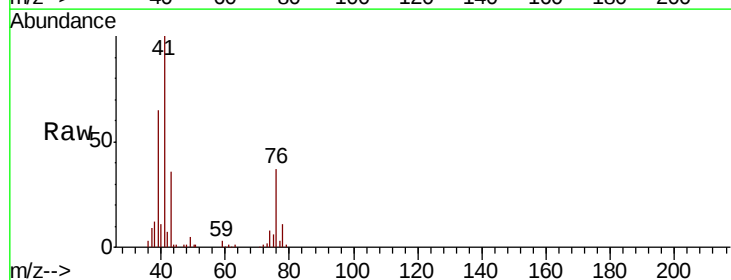
Acq: 24 Oct 2019 15:51

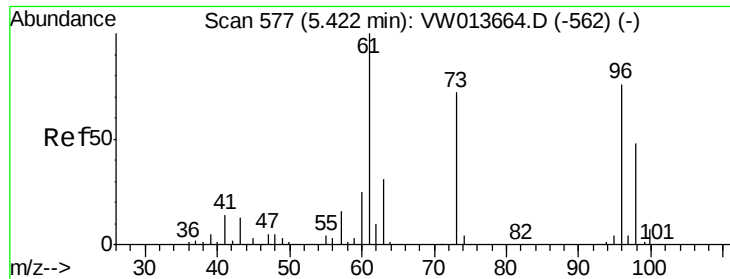
Tgt Ion: 43 Resp: 28751

Ion Ratio Lower Upper

43 100

74 25.5 19.8 29.8

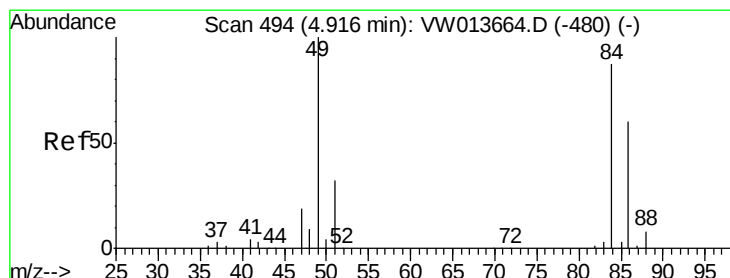
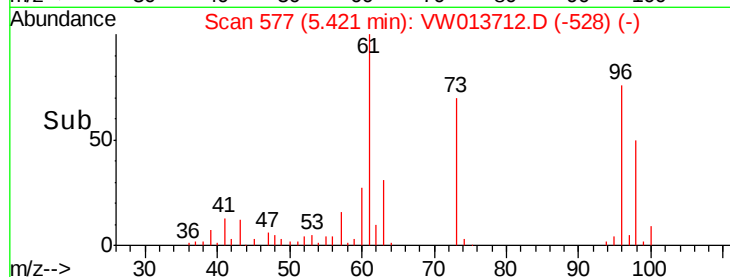
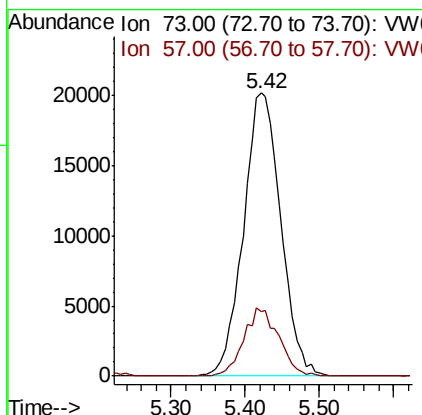
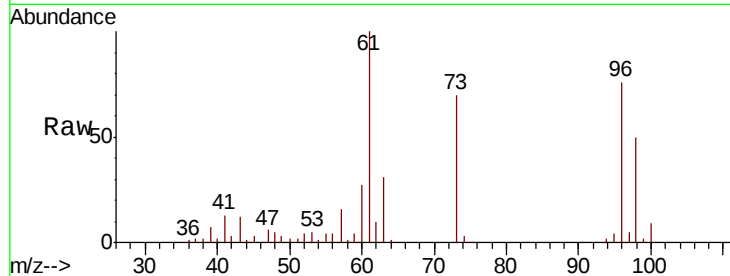




#19
Methyl tert-butyl Ether
Concen: 19.934 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

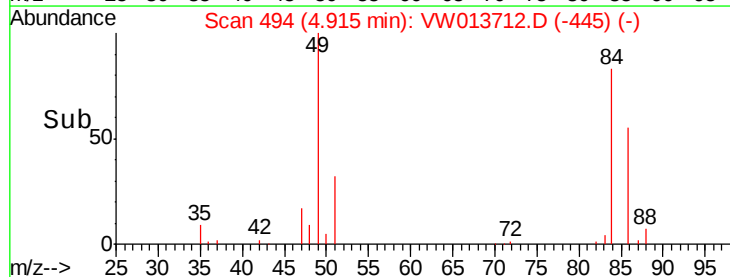
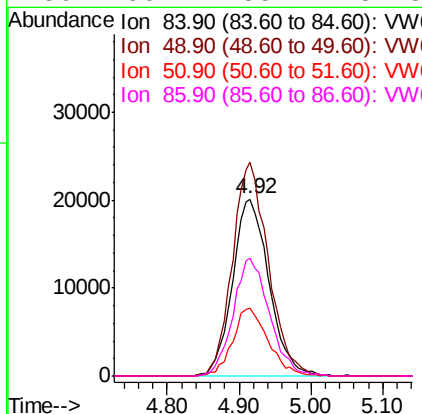
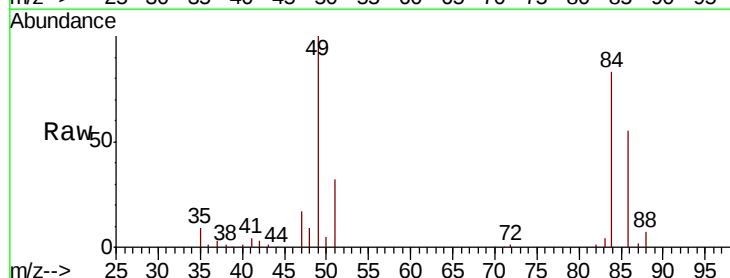
Instrument :
MSVOA_W
ClientSampleId :
VW1024SBS01

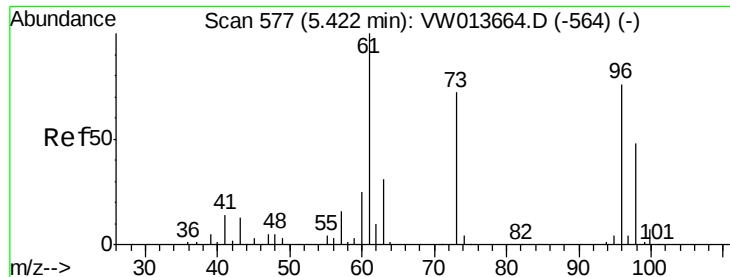
Tot Ion: 73 Resp: 70811
Ion Ratio Lower Upper
73 100
57 22.6 17.6 26.4



#20
Methylene Chloride
Concen: 21.801 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

Tgt Ion: 84 Resp: 70708
Ion Ratio Lower Upper
84 100
49 120.7 91.8 137.6
51 38.7 29.8 44.6
86 66.4 55.2 82.8





#21

trans-1,2-Dichloroethene

Concen: 20.789 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

VW1024SBS01

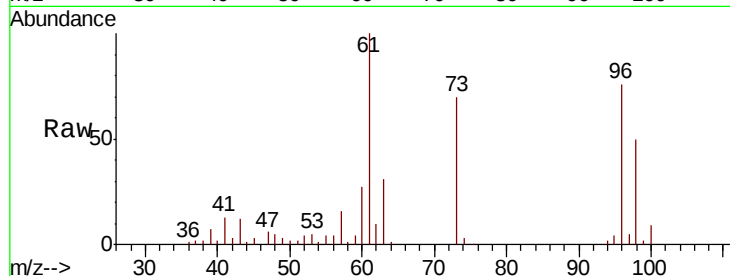
Tot Ion: 96 Resp: 66235

Ion Ratio Lower Upper

96 100

61 131.1 104.8 157.2

98 66.2 50.6 76.0

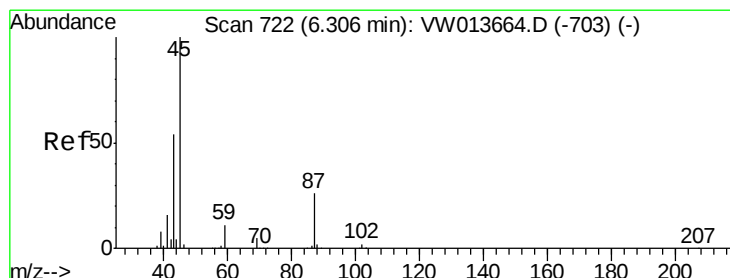
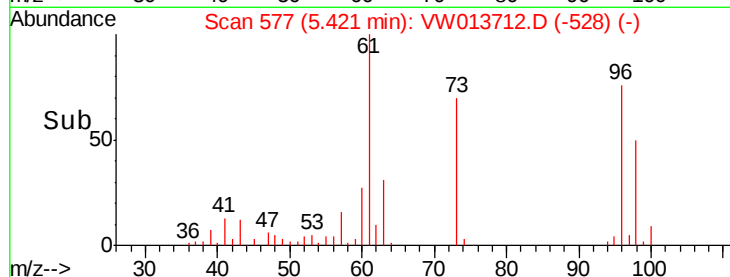
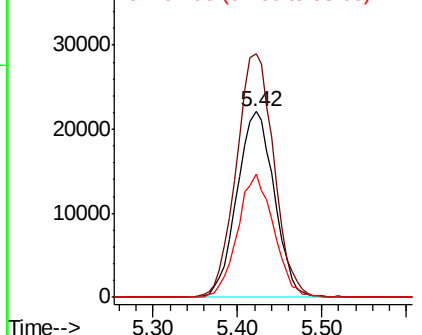


Abundance

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: 19.981 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

Tgt Ion: 45 Resp: 165900

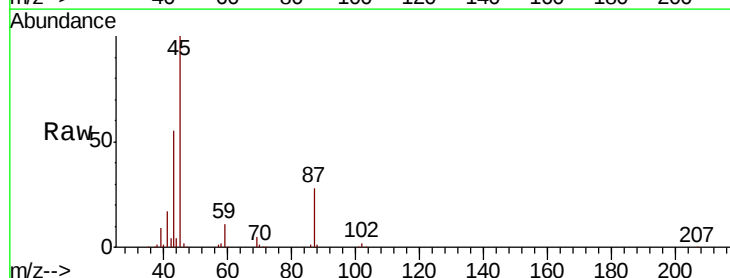
Ion Ratio Lower Upper

45 100

43 54.8 43.4 65.2

87 27.6 21.5 32.3

59 10.8 9.2 13.8



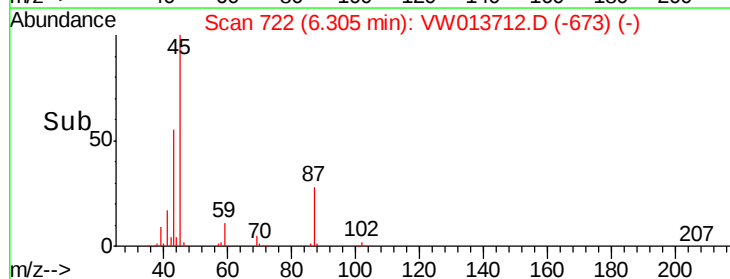
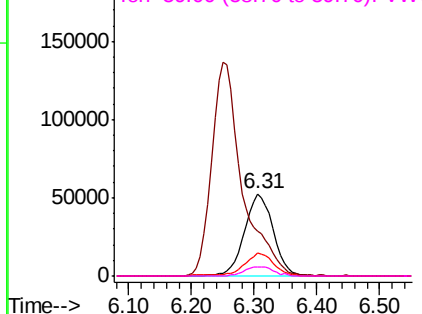
Abundance

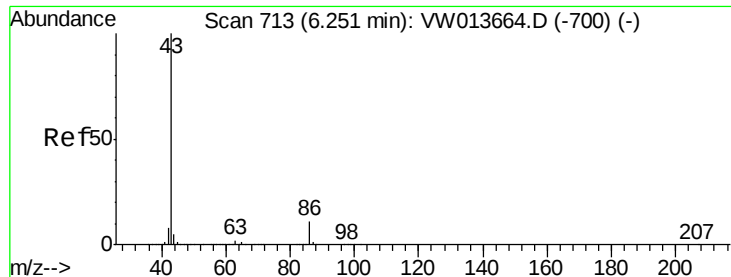
Ion 45.00 (44.70 to 45.70): VW

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: 95.521 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

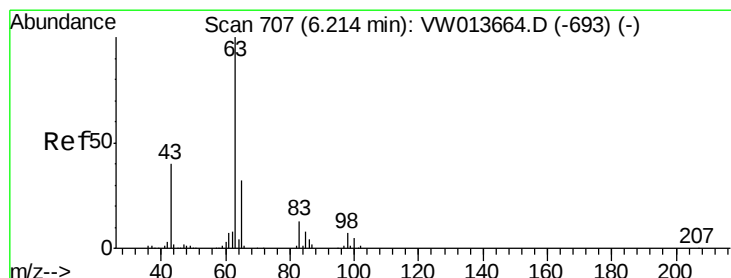
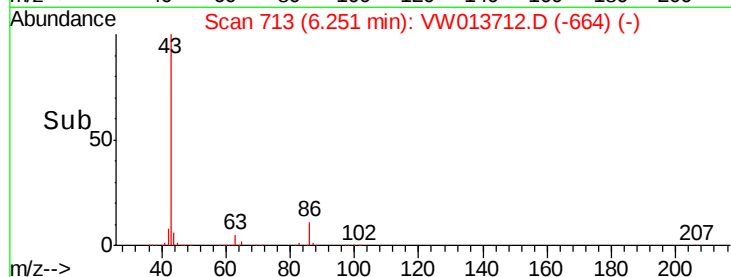
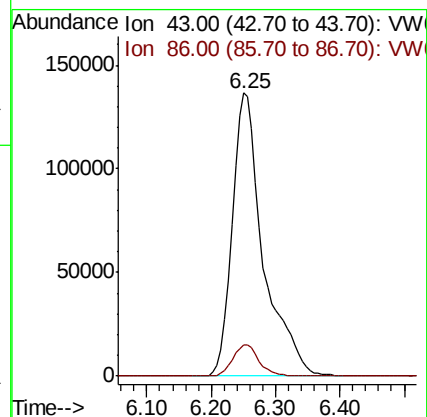
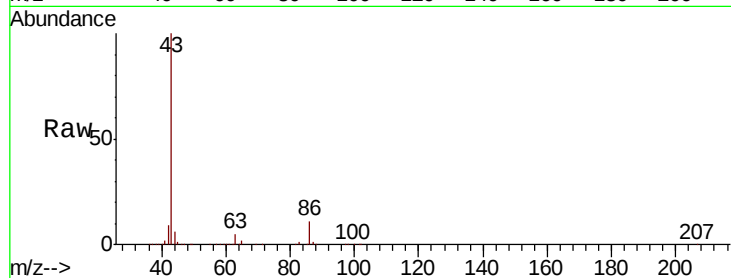
VW1024SBS01

Tot Ion: 43 Resp: 460184

Ion Ratio Lower Upper

43 100

86 11.2 9.0 13.6



#24

1,1-Dichloroethane

Concen: 20.323 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

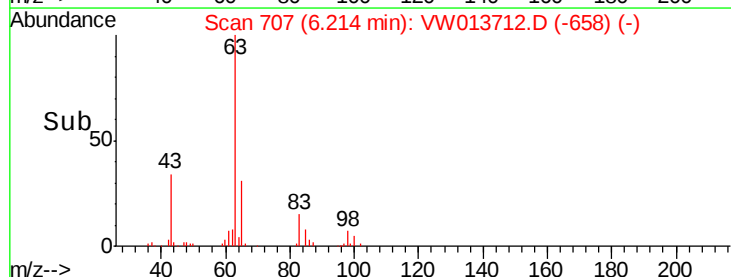
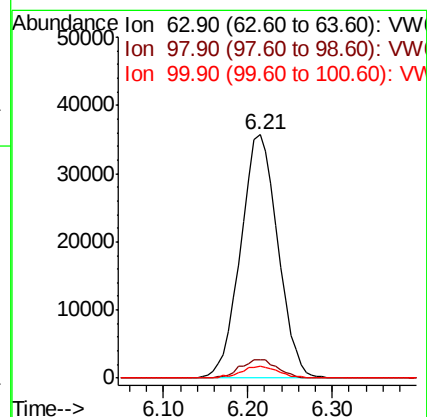
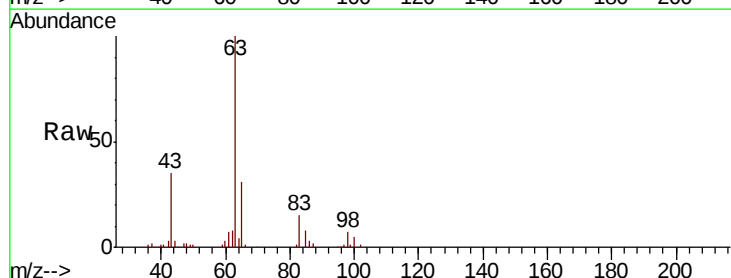
Tgt Ion: 63 Resp: 106866

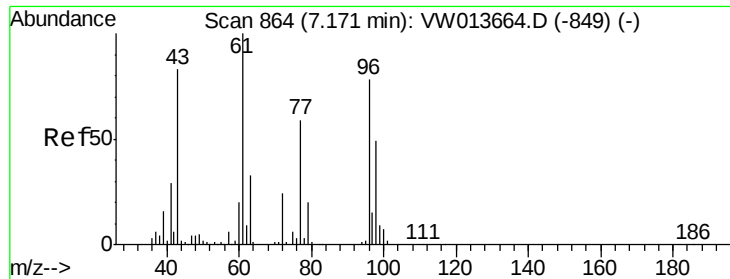
Ion Ratio Lower Upper

63 100

98 7.5 3.6 10.9

100 4.7 2.5 7.4





#25

2-Butanone

Concen: 92.034 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

Instrument :

MSVOA_W

ClientSampled :

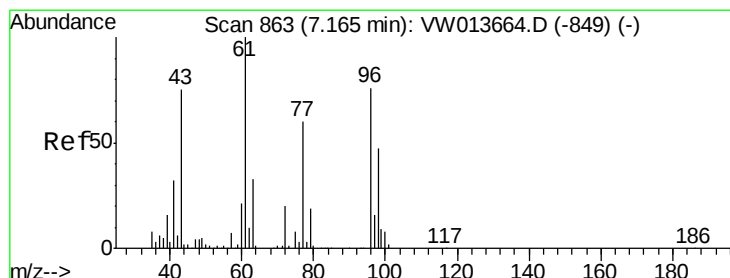
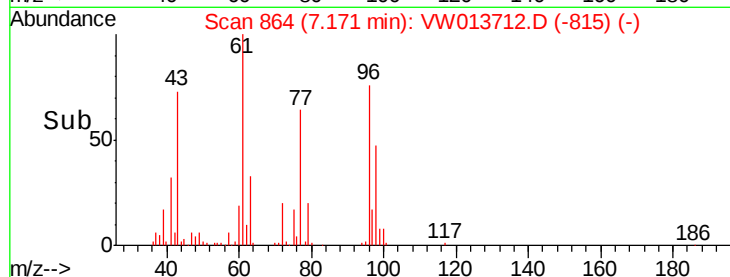
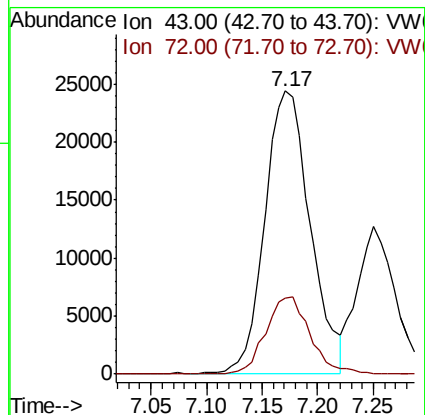
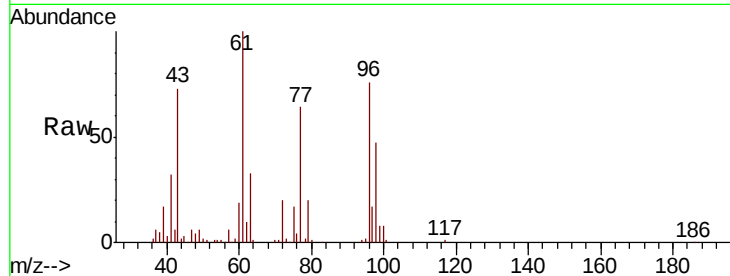
VW1024SBS01

Tot Ion: 43 Resp: 69465

Ion Ratio Lower Upper

43 100

72 26.8 23.6 35.4



#26

2,2-Dichloropropane

Concen: 20.956 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013712.D

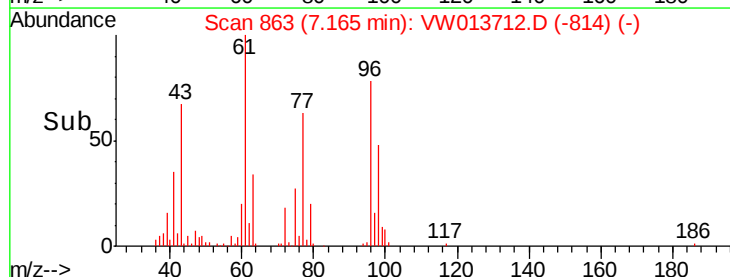
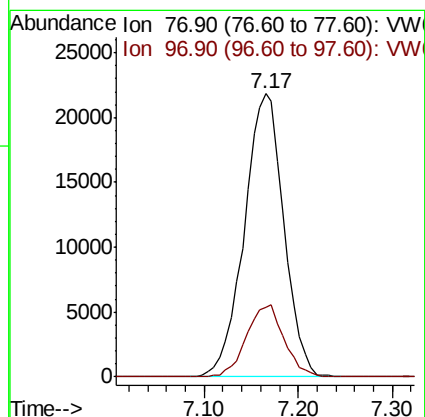
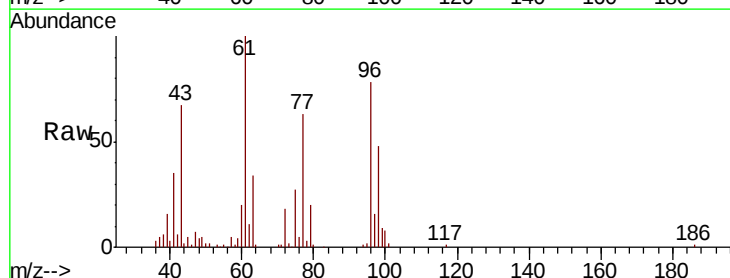
Acq: 24 Oct 2019 15:51

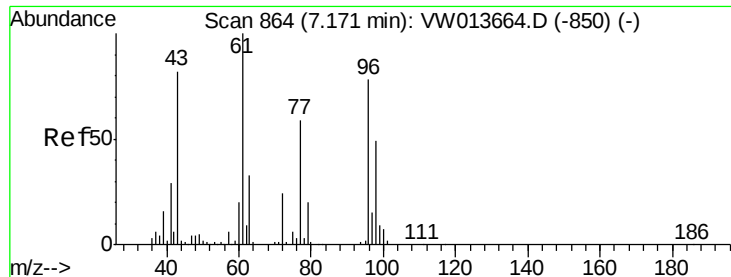
Tgt Ion: 77 Resp: 63721

Ion Ratio Lower Upper

77 100

97 24.2 12.8 38.4



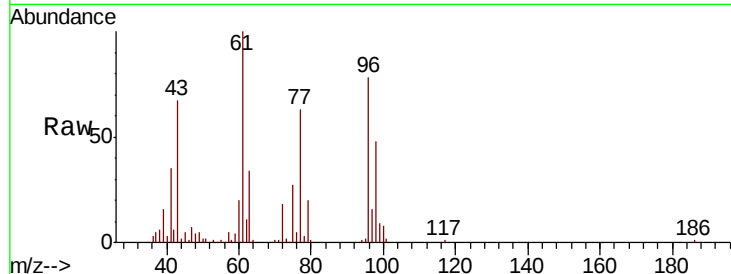


#27

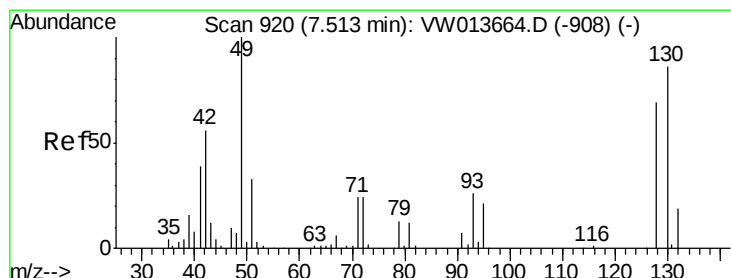
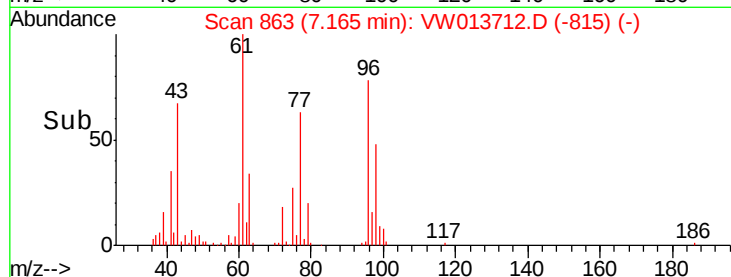
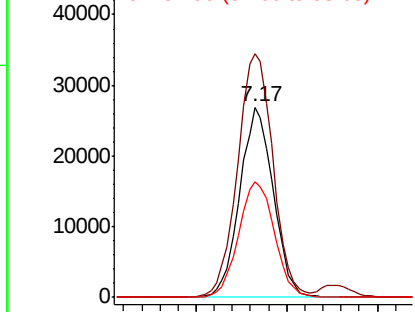
cis-1,2-Dichloroethene
Concen: 20.334 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

Instrument :
MSVOA_W
ClientSampleId :
VW1024SBS01

Tot Ion: 96 Resp: 68810
Ion Ratio Lower Upper
96 100
61 135.7 0.0 266.0
98 64.7 0.0 126.8



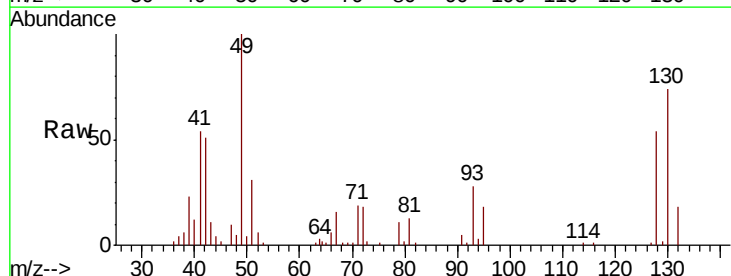
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



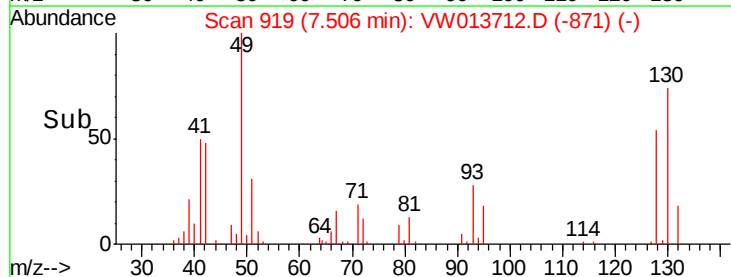
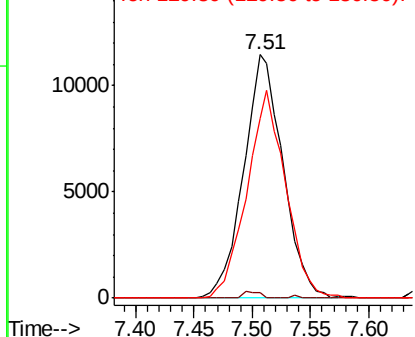
#28

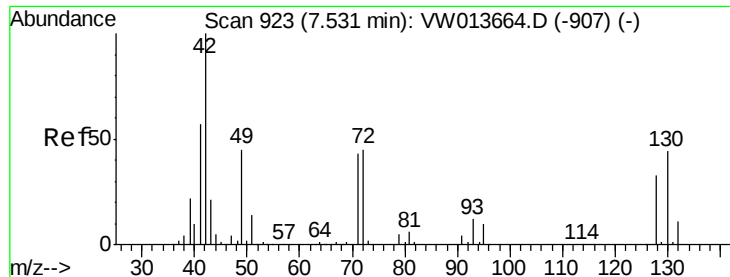
Bromochloromethane
Concen: 15.329 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

Tgt Ion: 49 Resp: 26929
Ion Ratio Lower Upper
49 100
129 1.1 0.0 0.6#
130 84.1 67.5 101.3



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

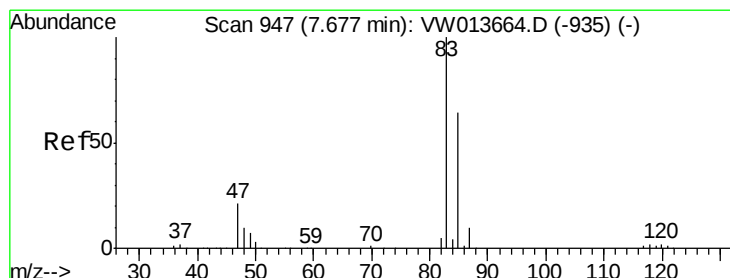
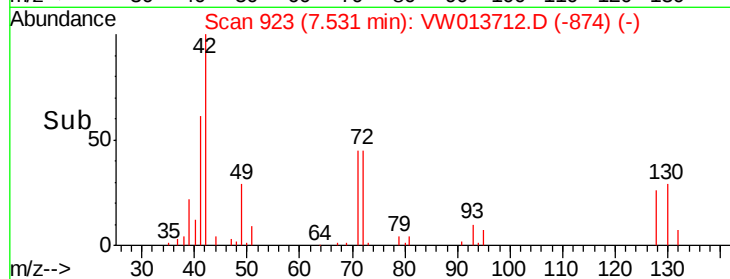
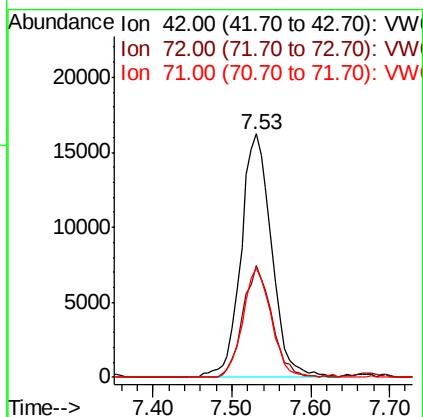
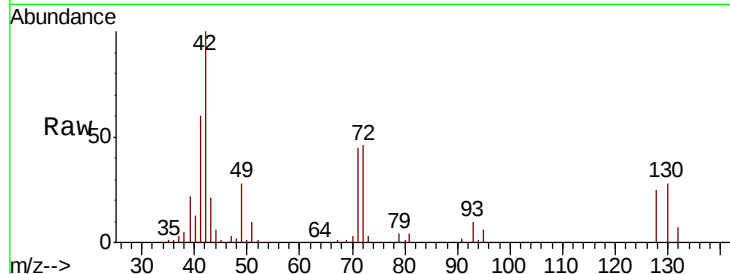




#29
Tetrahydrofuran
Concen: 93.752 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

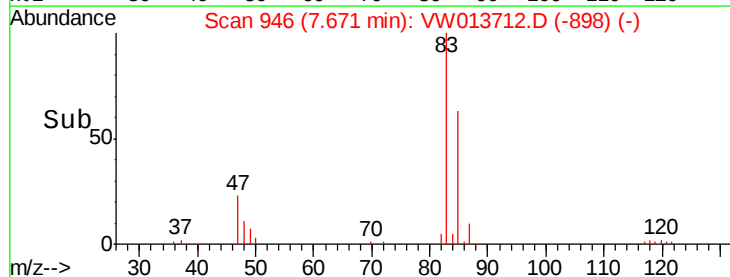
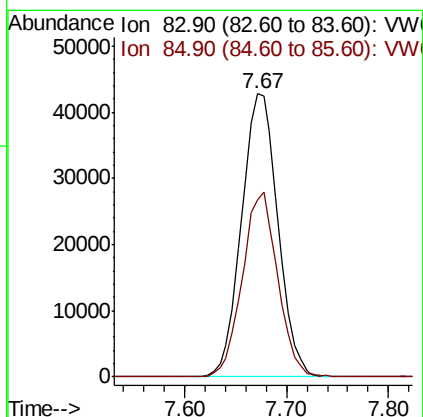
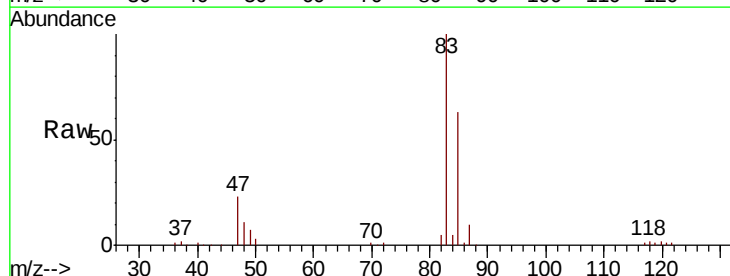
Instrument :
MSVOA_W
ClientSampleId :
VW1024SBS01

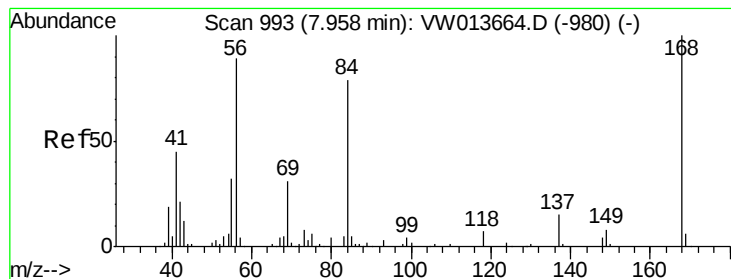
Tot Ion: 42 Resp: 43809
Ion Ratio Lower Upper
42 100
72 43.3 35.3 52.9
71 41.7 33.3 49.9



#30
Chloroform
Concen: 20.412 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

Tgt Ion: 83 Resp: 106102
Ion Ratio Lower Upper
83 100
85 62.7 51.4 77.2





#31

Cyclohexane

Concen: 20.467 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

VW1024SBS01

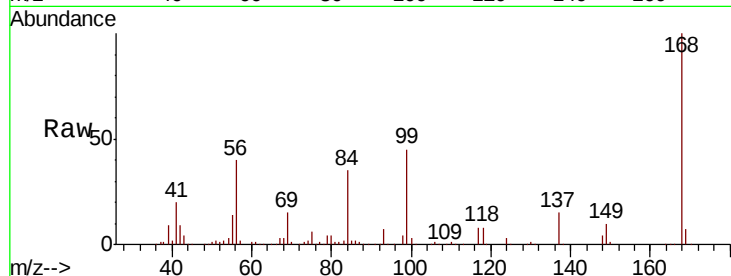
Tot Ion: 56 Resp: 112629

Ion Ratio Lower Upper

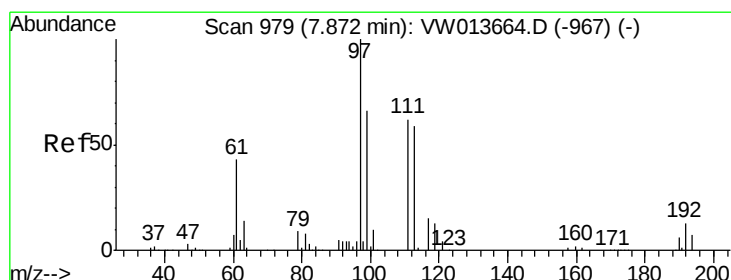
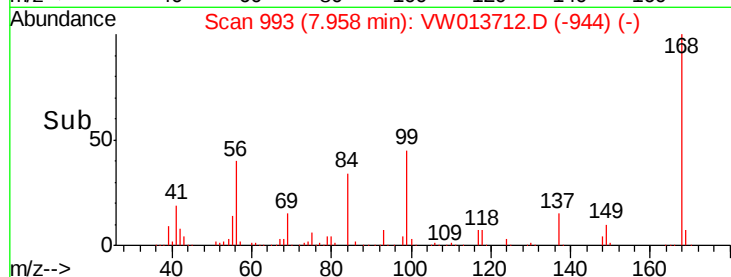
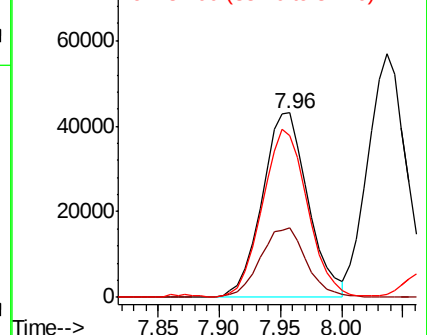
56 100

69 37.6 27.5 41.3

84 86.5 70.8 106.2



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



#32

1,1,1-Trichloroethane

Concen: 20.863 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

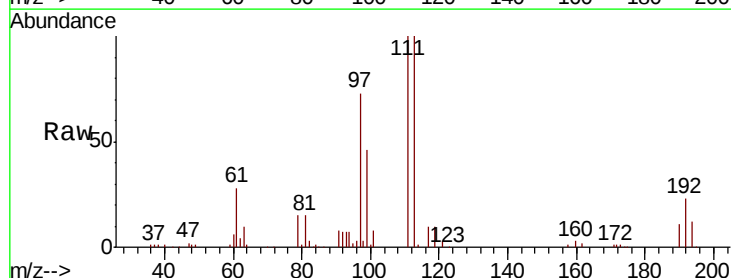
Tgt Ion: 97 Resp: 85102

Ion Ratio Lower Upper

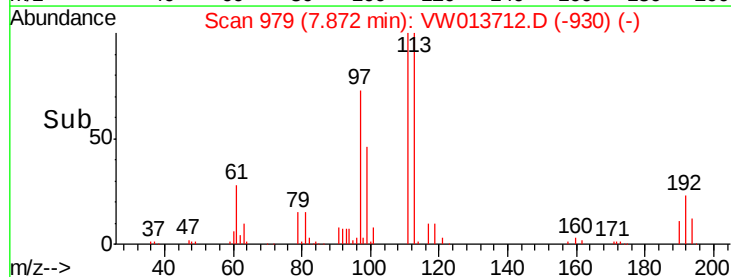
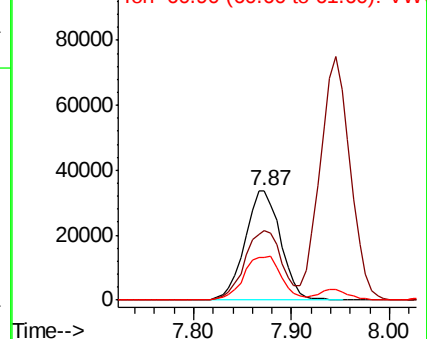
97 100

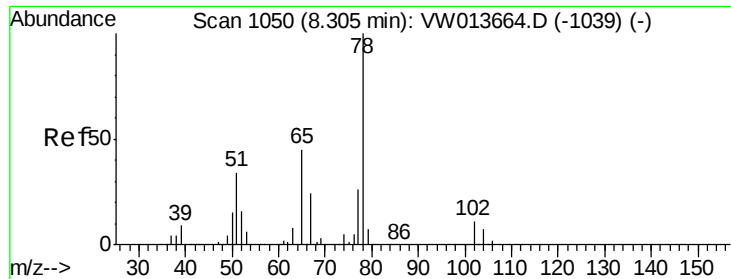
99 67.2 52.0 78.0

61 42.2 33.8 50.6



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

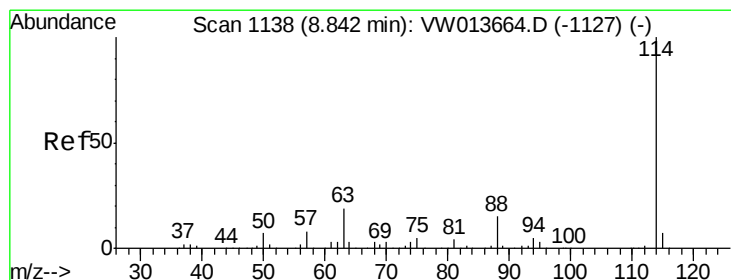
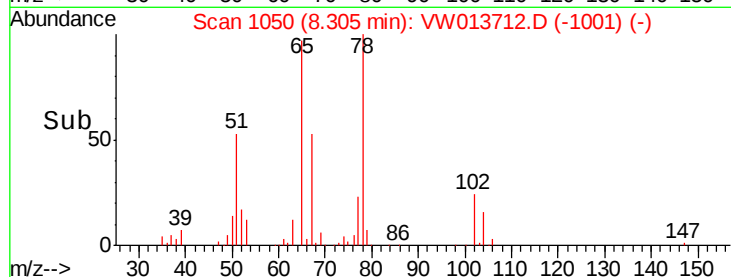
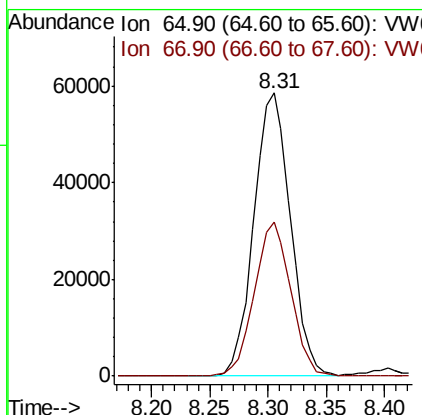
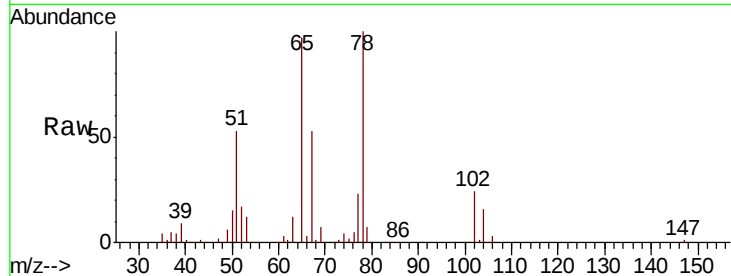




#33
 1,2-Dichloroethane-d4
 Concen: 51.532 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013712.D
 Acq: 24 Oct 2019 15:51

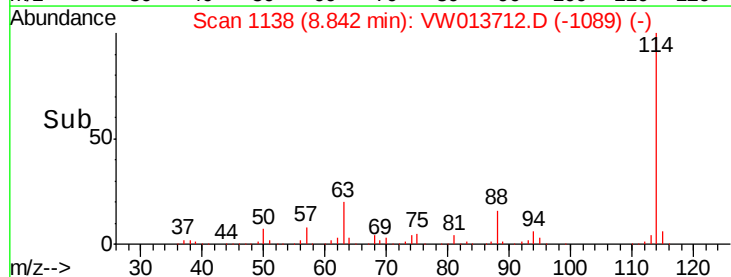
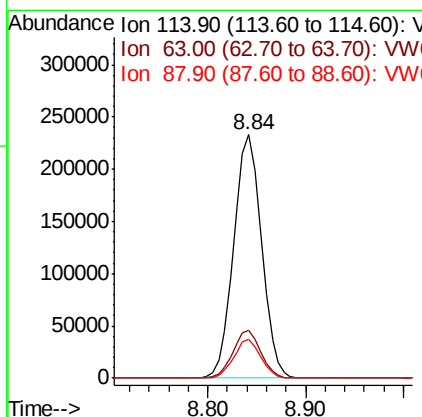
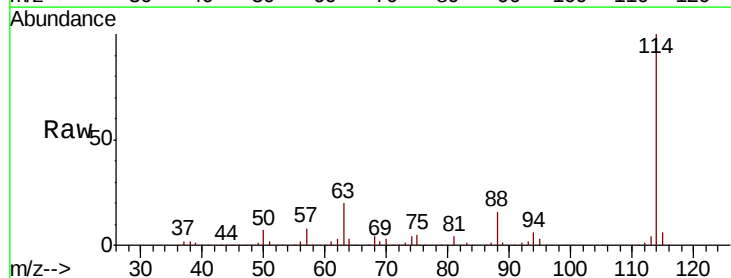
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1024SBS01

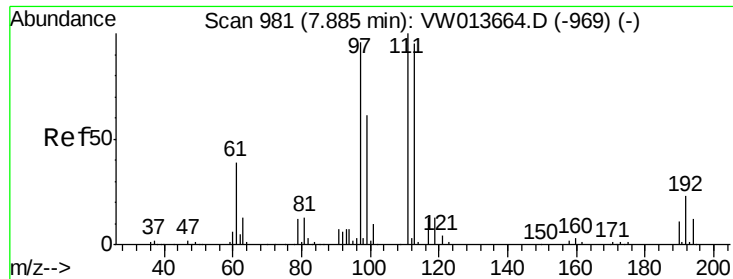
Tot Ion: 65 Resp: 127595
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013712.D
 Acq: 24 Oct 2019 15:51

Tgt Ion: 114 Resp: 461275
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 37.6
 88 15.9 0.0 30.2

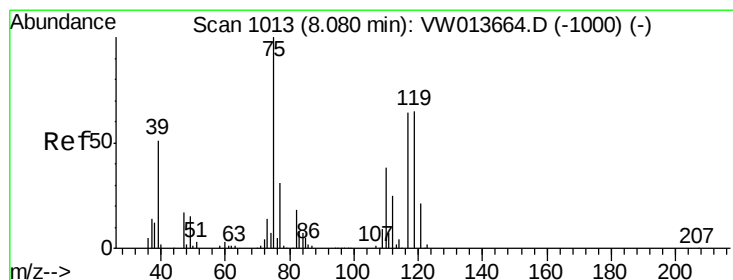
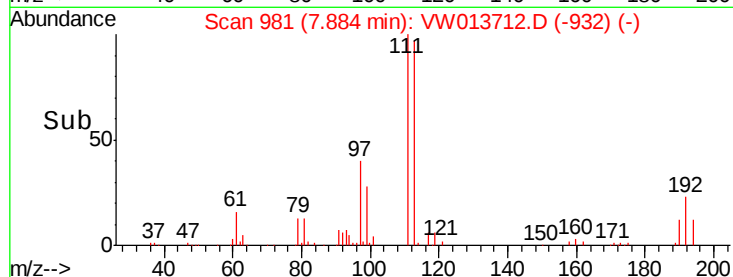
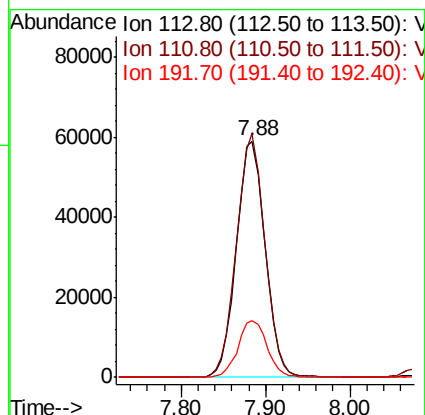
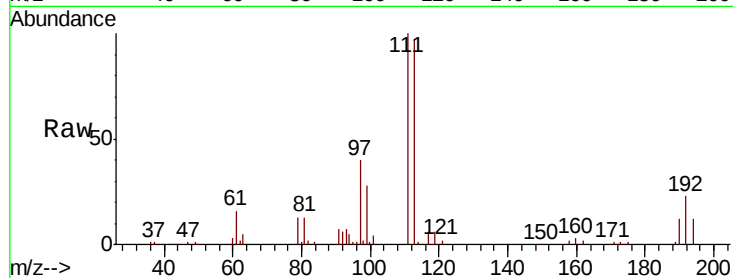




#35
Dibromofluoromethane
Concen: 53.147 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

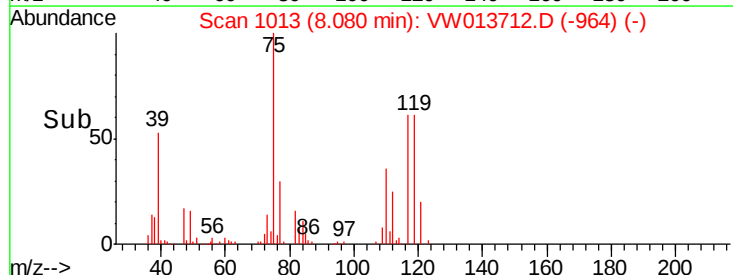
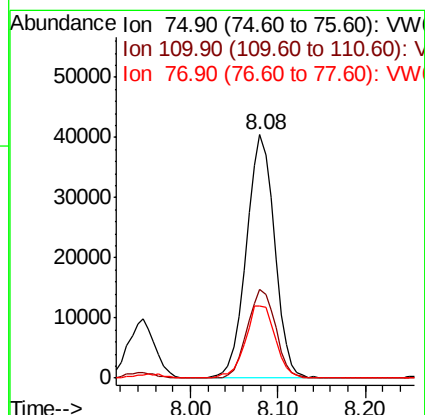
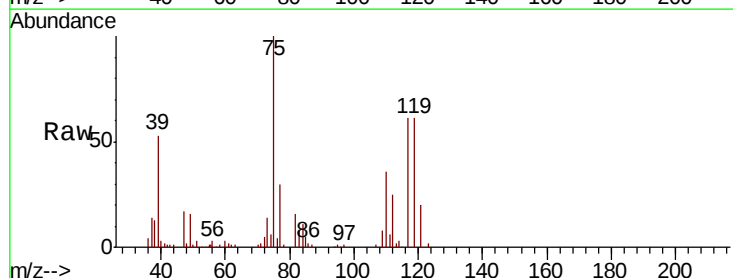
Instrument :
MSVOA_W
ClientSampleId :
VW1024SBS01

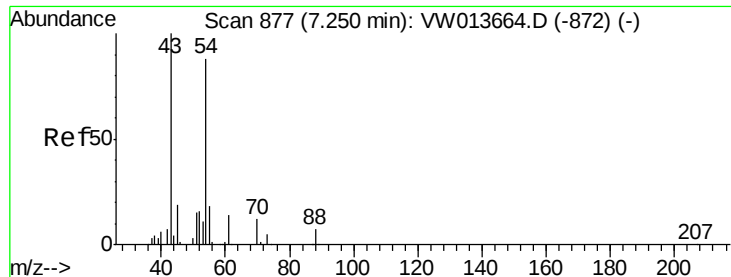
Tot Ion:113 Resp: 136220
Ion Ratio Lower Upper
113 100
111 101.7 83.0 124.6
192 24.2 19.4 29.2



#36
1,1-Dichloropropene
Concen: 21.145 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

Tgt Ion: 75 Resp: 90836
Ion Ratio Lower Upper
75 100
110 36.5 18.7 56.1
77 31.4 25.4 38.0

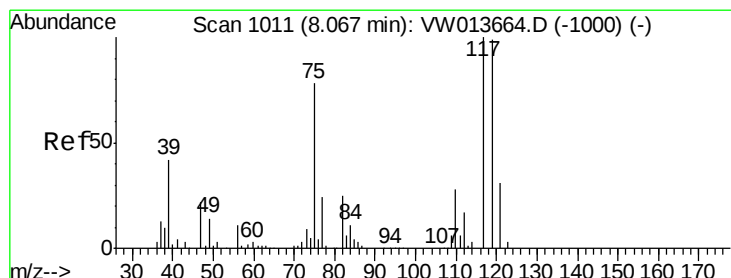
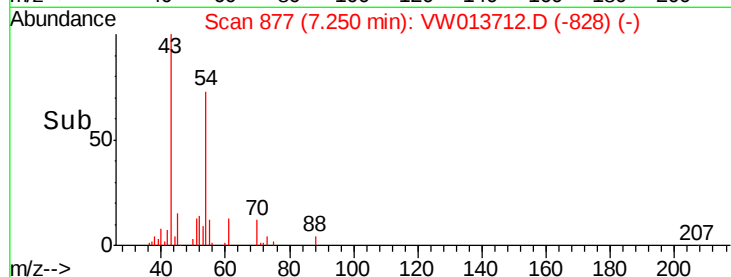
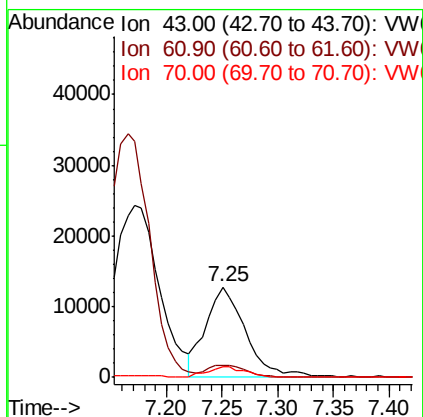
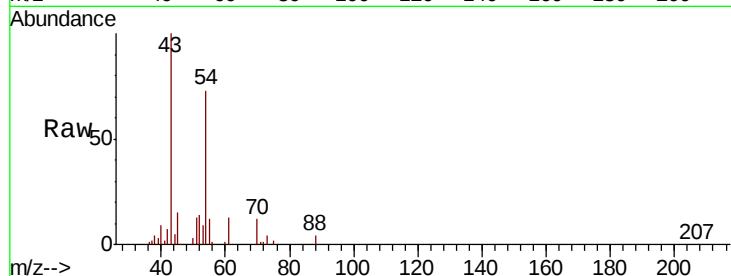




#37
Ethyl Acetate
Concen: 18.826 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

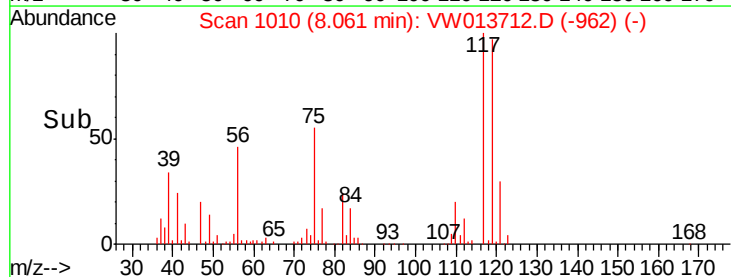
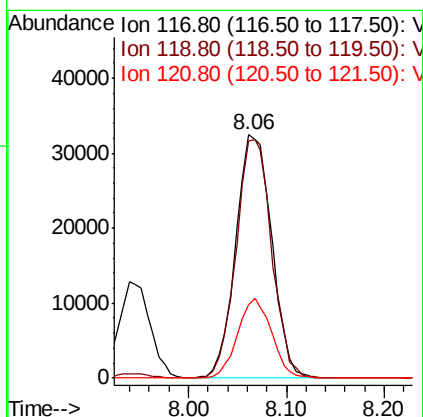
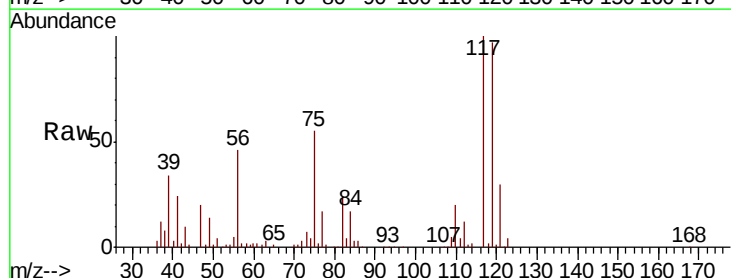
Instrument :
MSVOA_W
ClientSampleId :
VW1024SBS01

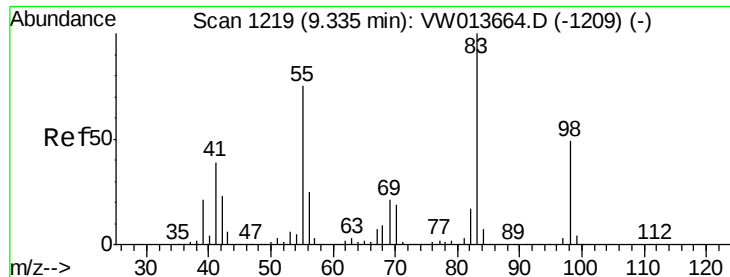
Tot Ion: 43 Resp: 30959
Ion Ratio Lower Upper
43 100
61 14.2 11.7 17.5
70 11.6 8.8 13.2



#38
Carbon Tetrachloride
Concen: 21.414 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

Tgt Ion: 117 Resp: 82840
Ion Ratio Lower Upper
117 100
119 97.5 79.0 118.4
121 30.0 24.5 36.7

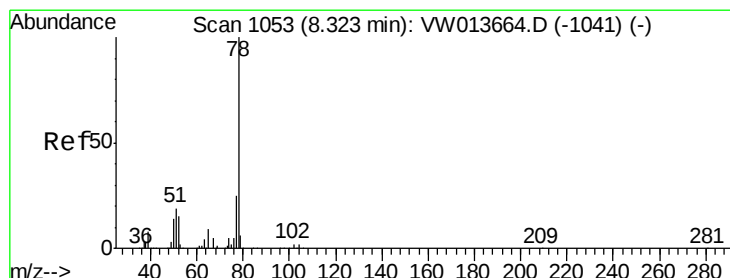
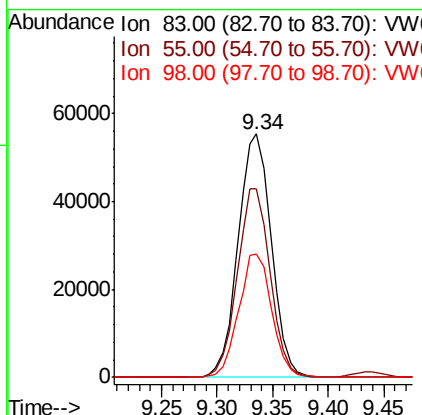
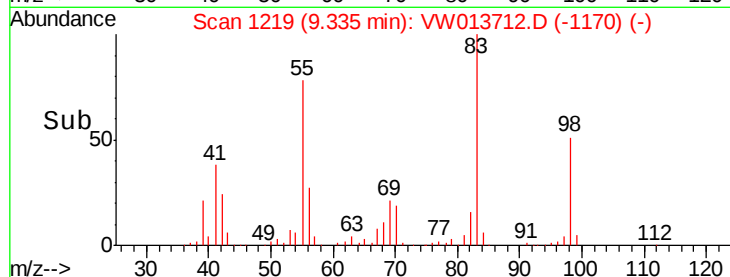
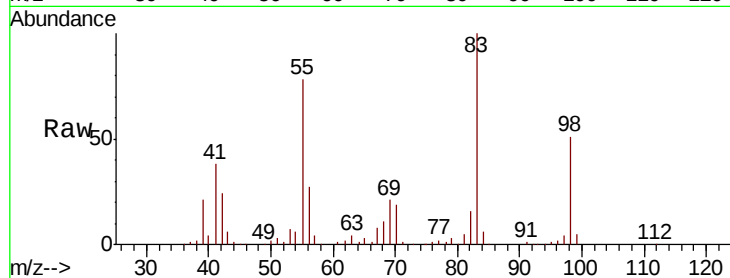




#39
Methvlcvclohexane
Concen: 20.630 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

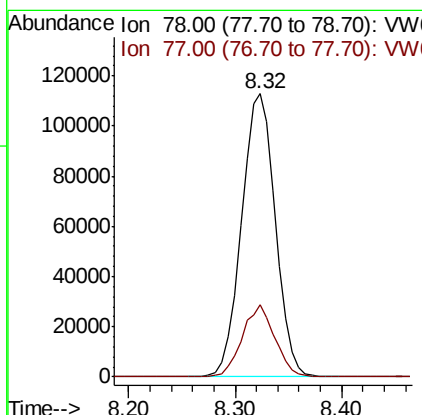
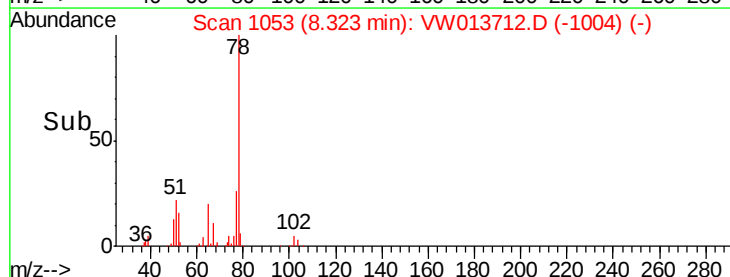
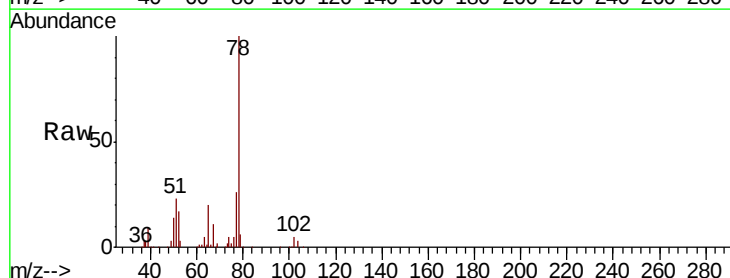
Instrument :
MSVOA_W
ClientSampleId :
VW1024SBS01

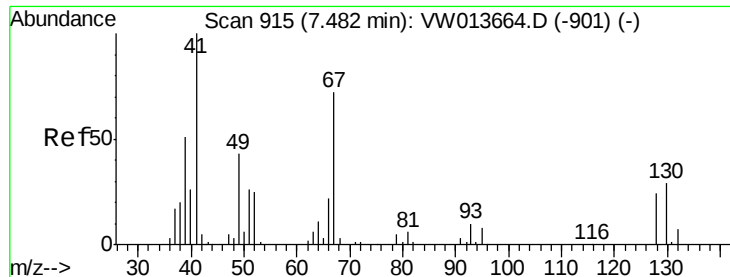
Tot Ion: 83 Resp: 114447
Ion Ratio Lower Upper
83 100
55 77.7 59.9 89.9
98 50.7 39.4 59.2



#40
Benzene
Concen: 20.631 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

Tgt Ion: 78 Resp: 250824
Ion Ratio Lower Upper
78 100
77 25.6 19.6 29.4

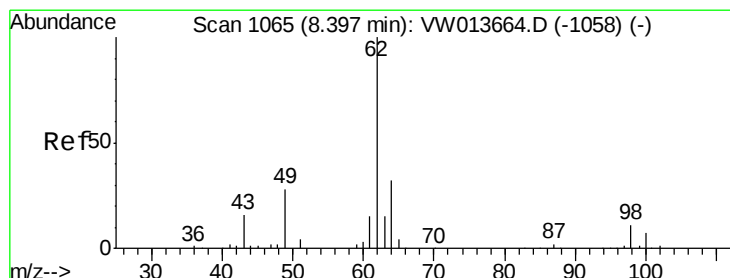
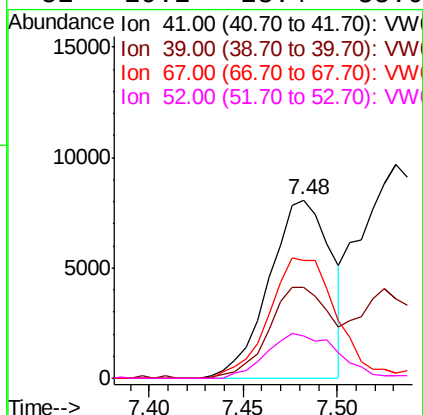
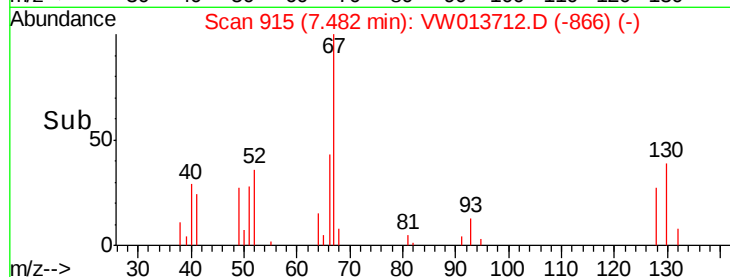
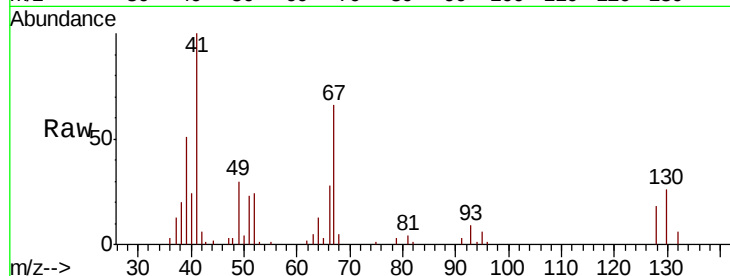




#41
Methacrylonitrile
Concen: 17.991 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

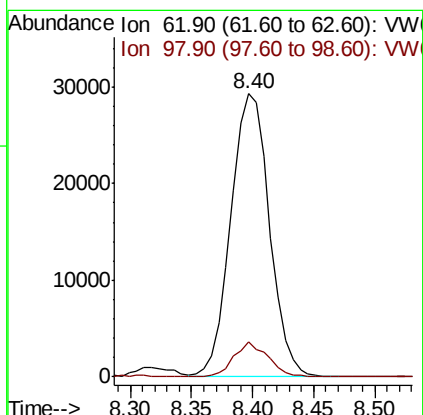
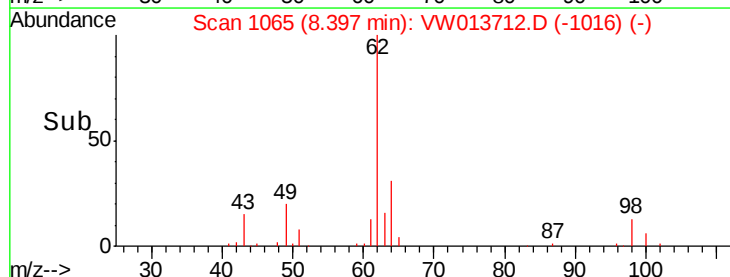
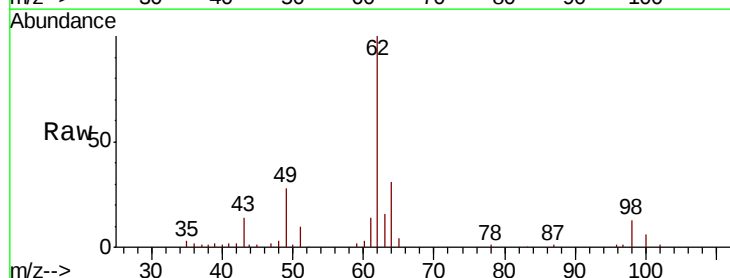
Instrument :
MSVOA_W
ClientSampleID :
VW1024SBS01

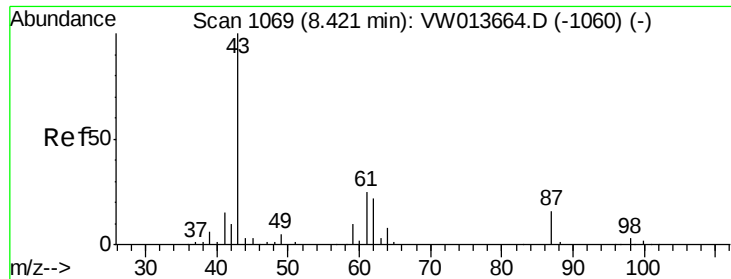
Tot Ion:	41	Resp:	18449
Ion	Ratio	Lower	Upper
41	100		
39	50.2	44.8	67.2
67	74.5	59.3	88.9
52	29.2	23.4	35.0



#42
1,2-Dichloroethane
Concen: 20.992 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

Tgt Ion:	62	Resp:	64311
Ion	Ratio	Lower	Upper
62	100		
98	11.0	0.0	22.4





#43

Isopropyl Acetate

Concen: 19.183 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

VW1024SBS01

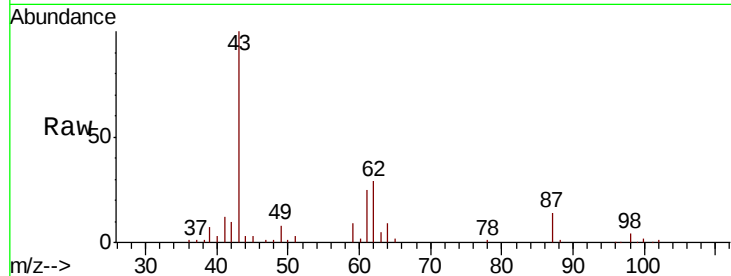
Tot Ion: 43 Resp: 60384

Ion Ratio Lower Upper

43 100

61 32.4 26.1 39.1

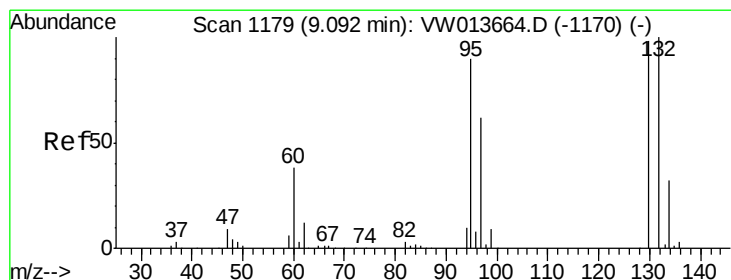
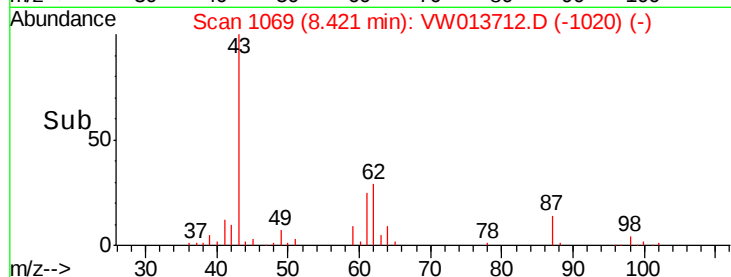
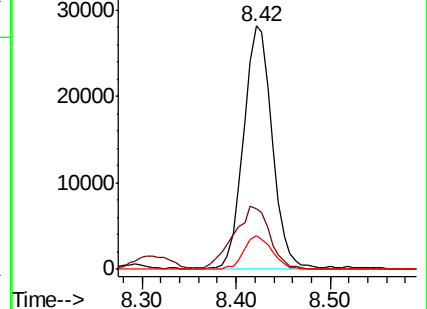
87 13.6 11.4 17.0



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: 21.249 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013712.D

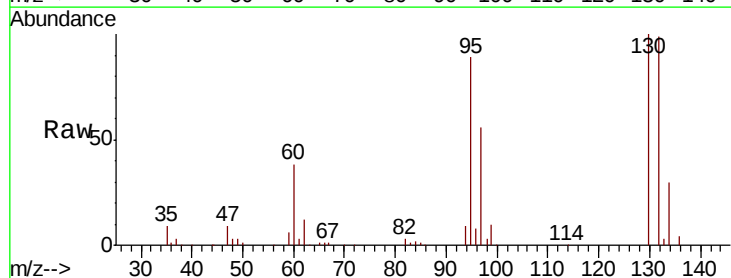
Acq: 24 Oct 2019 15:51

Tgt Ion:130 Resp: 73999

Ion Ratio Lower Upper

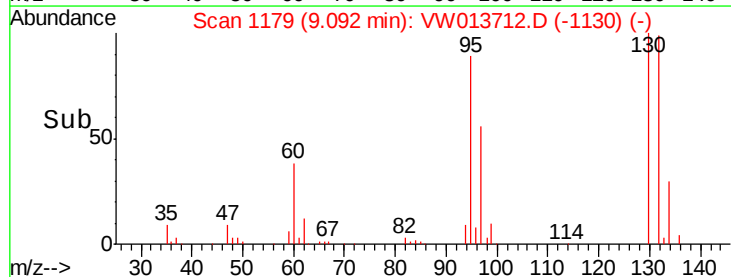
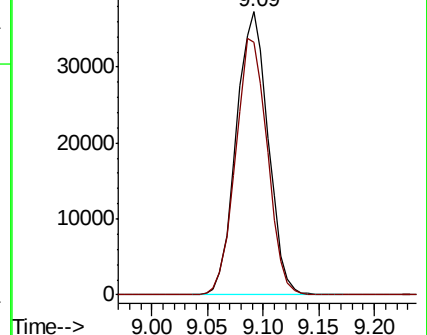
130 100

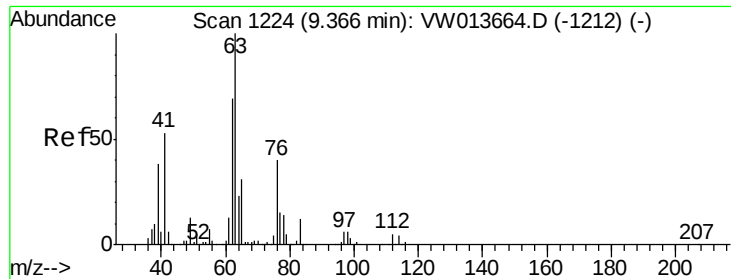
95 89.3 0.0 184.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

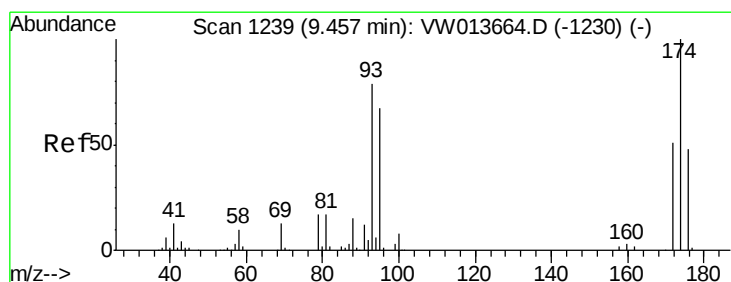
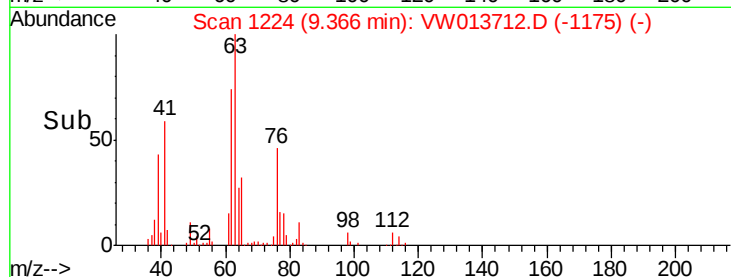
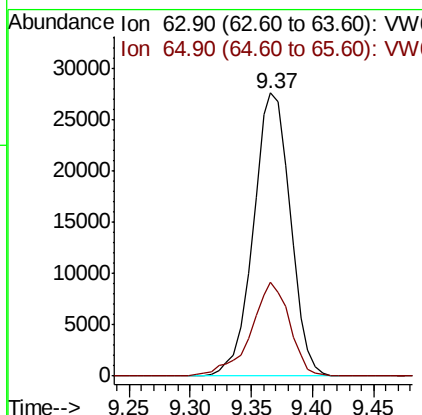
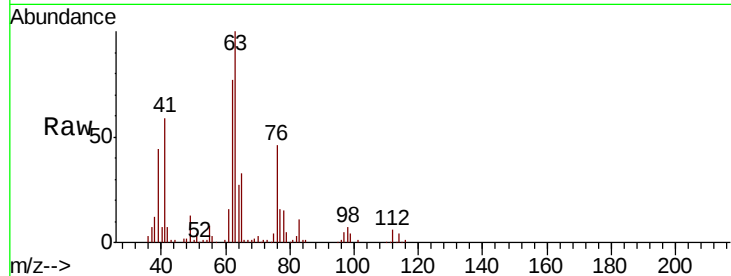




#45
 1,2-Dichloropropane
 Concen: 20.039 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013712.D
 Acq: 24 Oct 2019 15:51

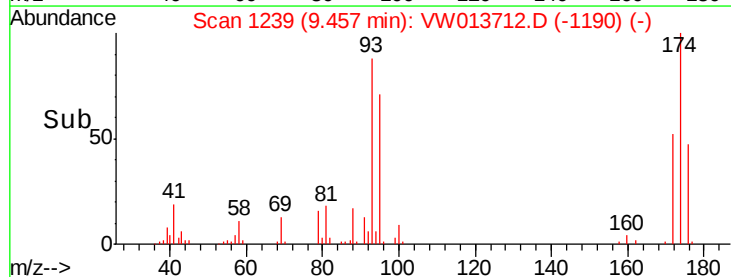
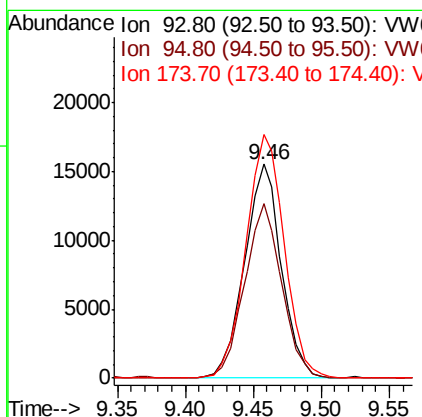
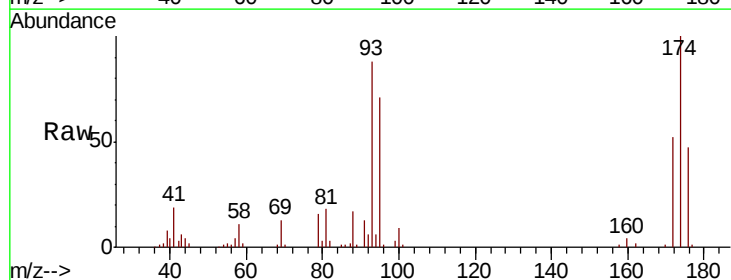
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1024SBS01

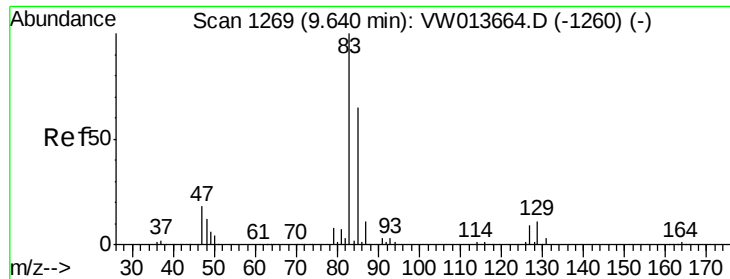
Tot Ion: 63 Resp: 58192
 Ion Ratio Lower Upper
 63 100
 65 33.3 25.2 37.8



#46
 Dibromomethane
 Concen: 20.851 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013712.D
 Acq: 24 Oct 2019 15:51

Tgt Ion: 93 Resp: 29388
 Ion Ratio Lower Upper
 93 100
 95 82.1 66.5 99.7
 174 118.3 99.6 149.4





#47

Bromodichloromethane

Concen: 20.107 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

VW1024SBS01

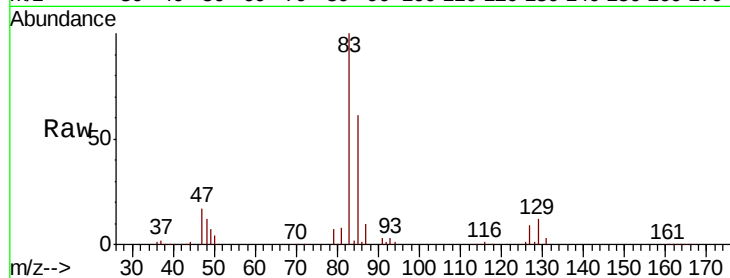
Tot Ion: 83 Resp: 73327

Ion Ratio Lower Upper

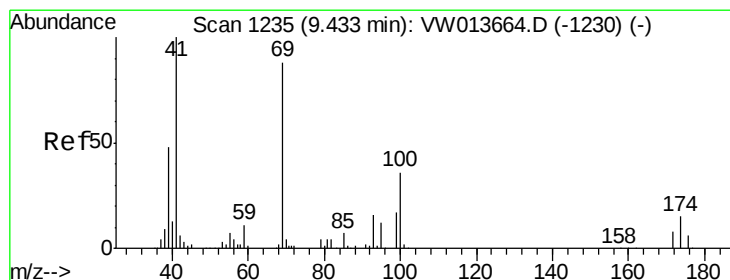
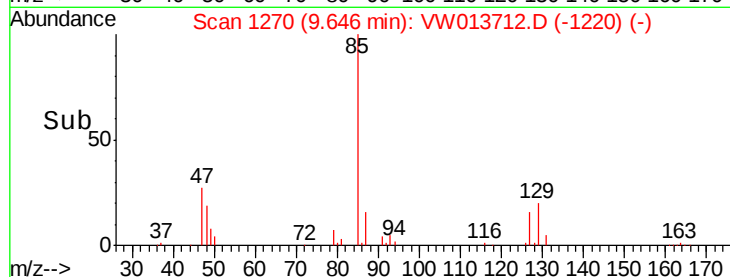
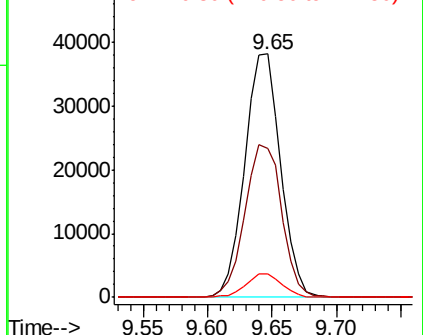
83 100

85 61.3 51.8 77.6

127 9.5 7.3 10.9



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: 19.182 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

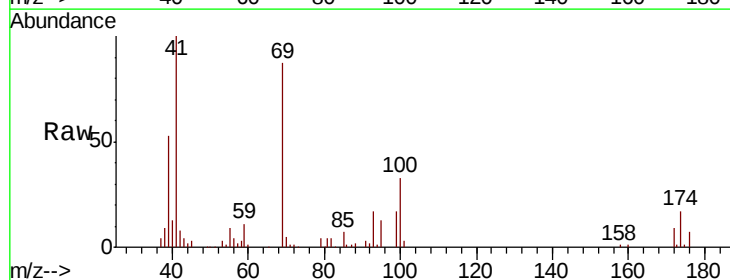
Tgt Ion: 41 Resp: 29943

Ion Ratio Lower Upper

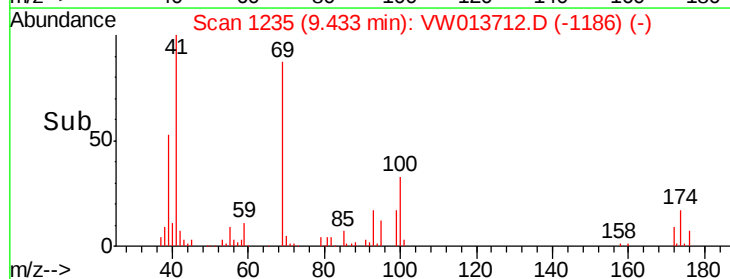
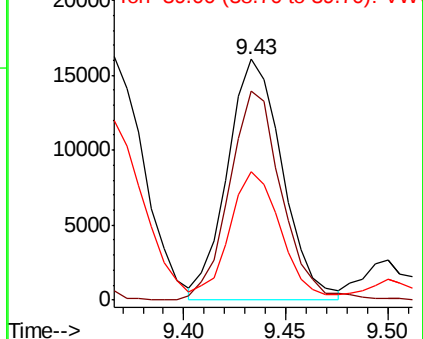
41 100

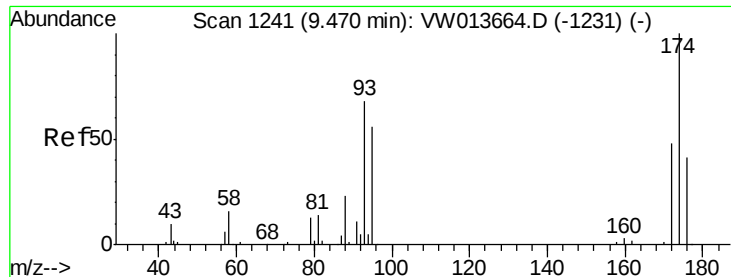
69 83.6 67.6 101.4

39 45.6 38.6 58.0



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

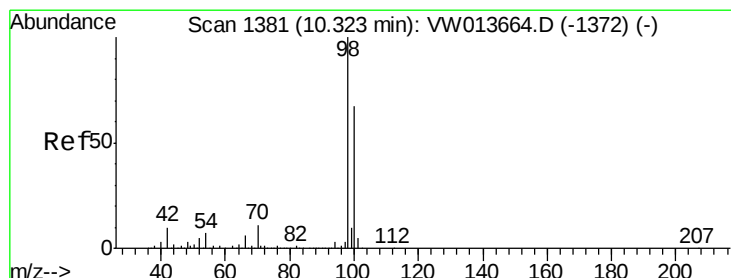
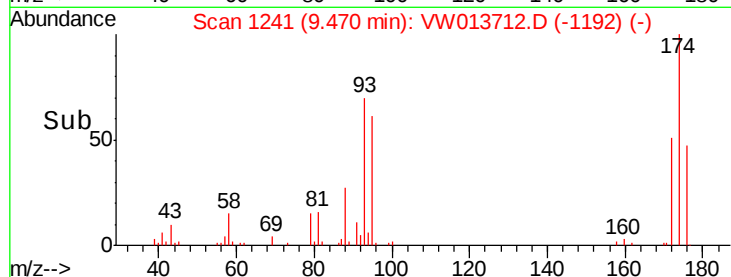
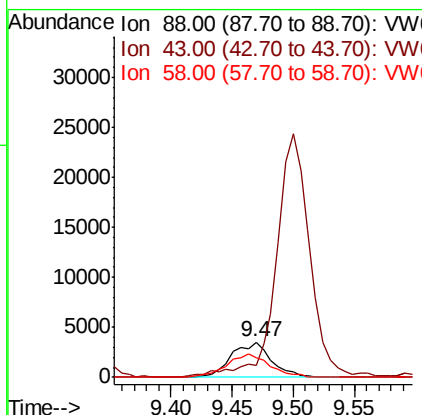
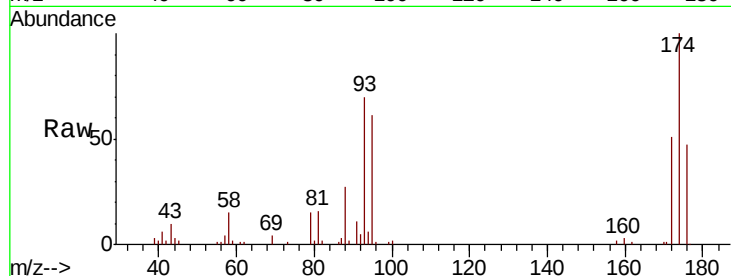




#49
1,4-Dioxane
Concen: 379.268 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

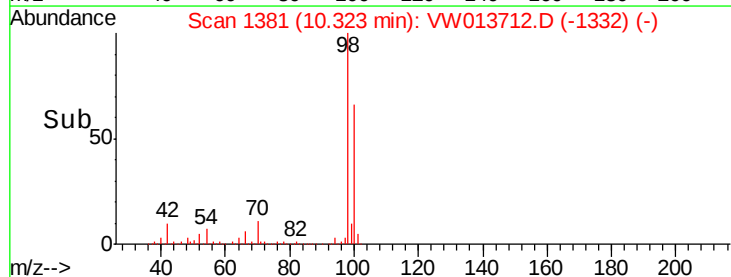
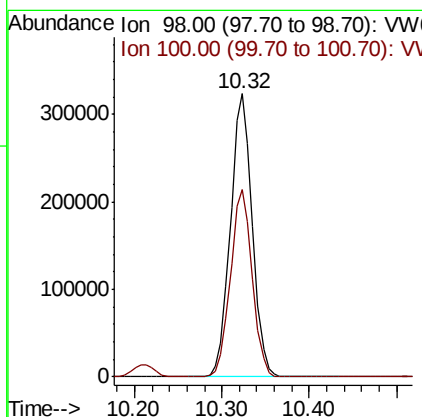
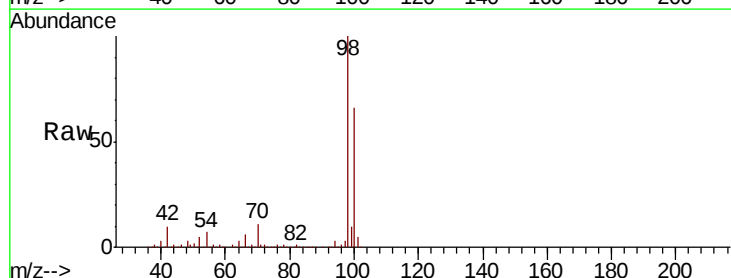
Instrument :
MSVOA_W
ClientSampleId :
VW1024SBS01

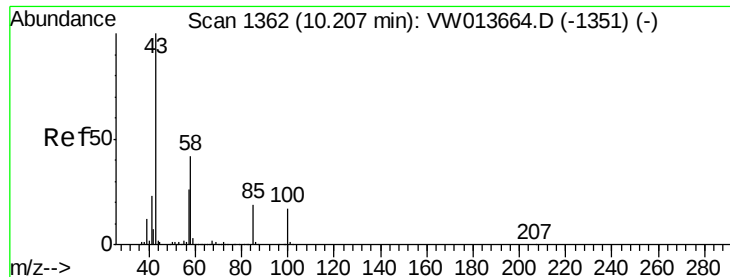
Tot Ion: 88 Resp: 7899
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 72.2 58.9 88.3



#50
Toluene-d8
Concen: 53.644 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

Tgt Ion: 98 Resp: 560259
Ion Ratio Lower Upper
98 100
100 66.0 53.4 80.0





#51

4-Methyl-2-Pentanone

Concen: 93.114 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

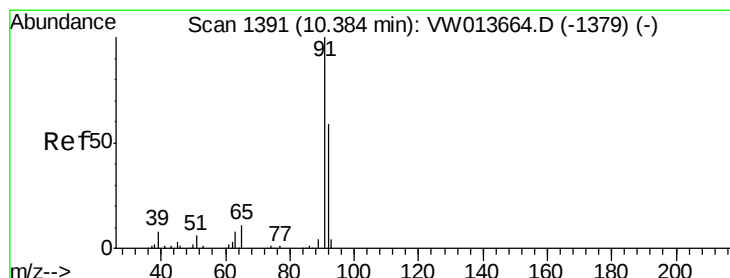
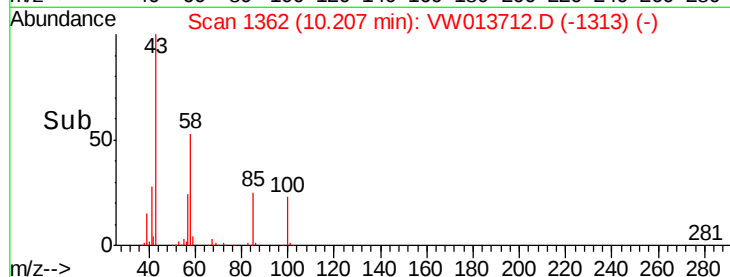
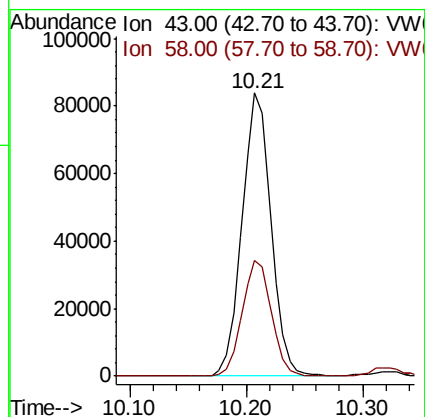
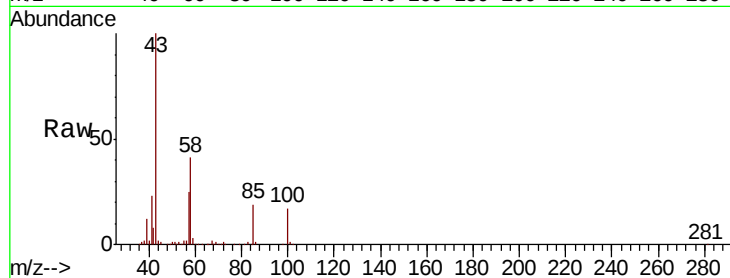
VW1024SBS01

Tot Ion: 43 Resp: 145645

Ion Ratio Lower Upper

43 100

58 41.3 32.6 49.0



#52

Toluene

Concen: 20.877 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013712.D

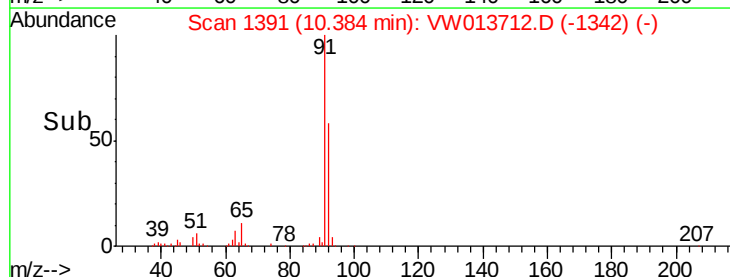
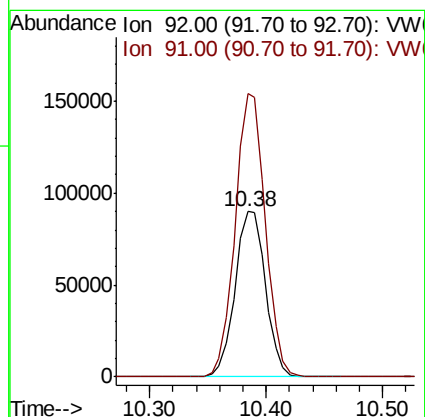
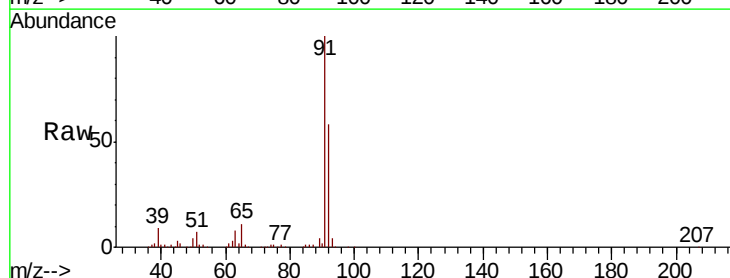
Acq: 24 Oct 2019 15:51

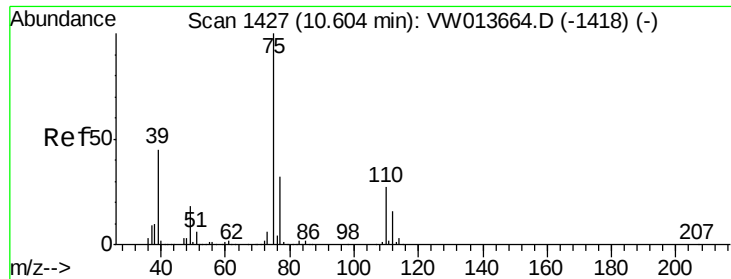
Tgt Ion: 92 Resp: 163716

Ion Ratio Lower Upper

92 100

91 169.5 134.5 201.7





#53

t-1,3-Dichloropropene

Concen: 19.402 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

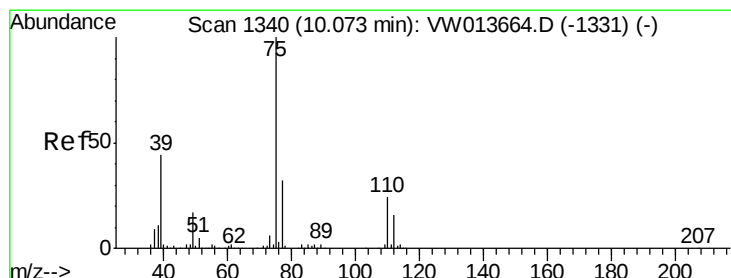
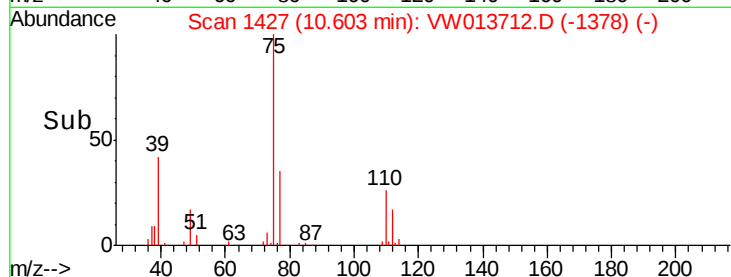
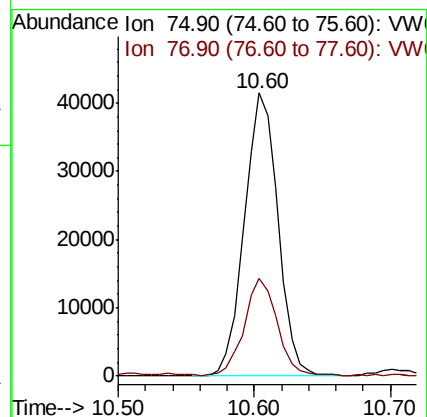
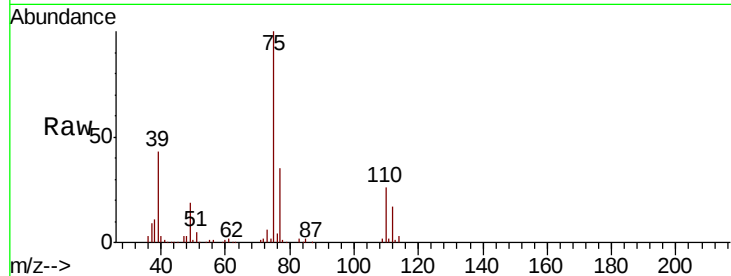
VW1024SBS01

Tot Ion: 75 Resp: 71626

Ion Ratio Lower Upper

75 100

77 34.8 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 20.090 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

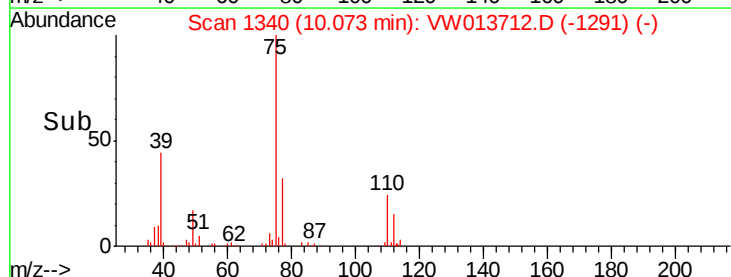
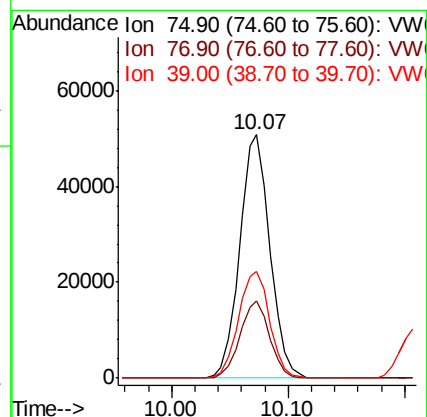
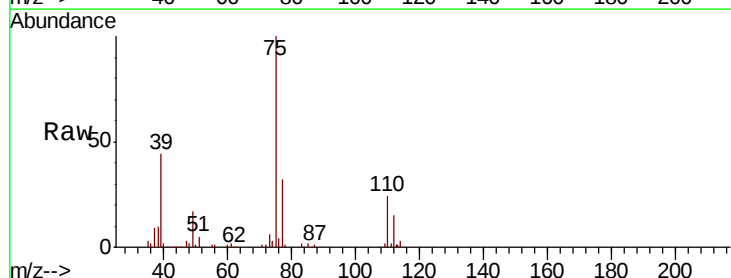
Tgt Ion: 75 Resp: 91507

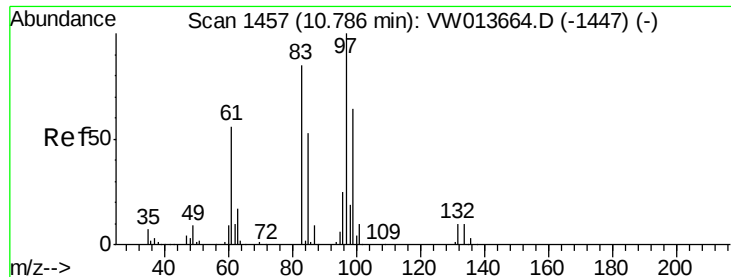
Ion Ratio Lower Upper

75 100

77 31.6 25.8 38.6

39 43.9 35.3 52.9

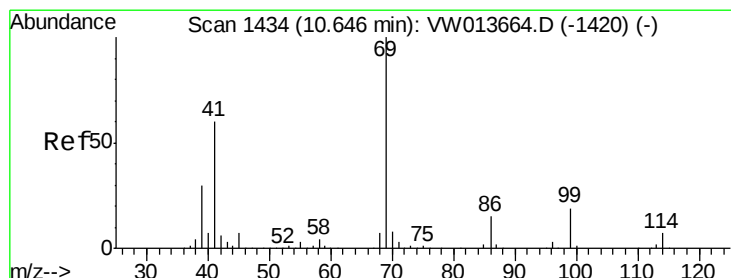
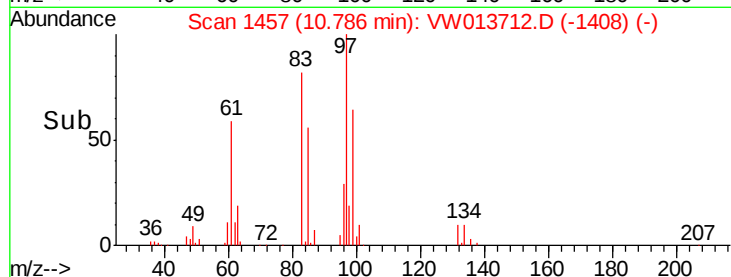
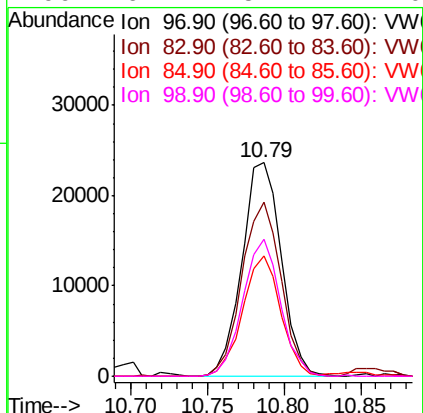
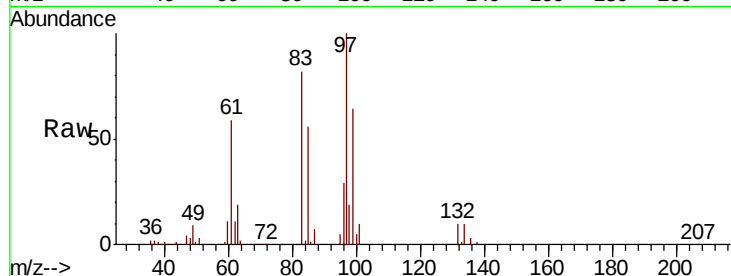




#55
 1,1,2-Trichloroethane
 Concen: 20.186 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013712.D
 Acq: 24 Oct 2019 15:51

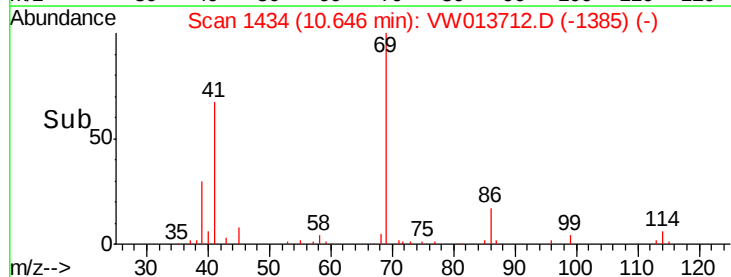
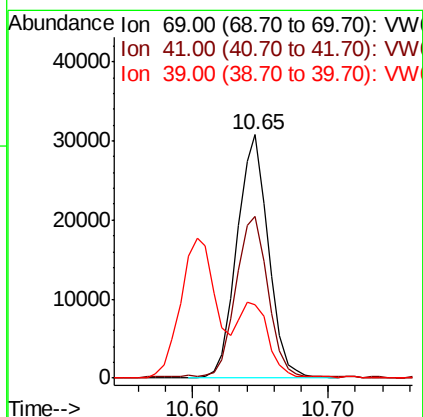
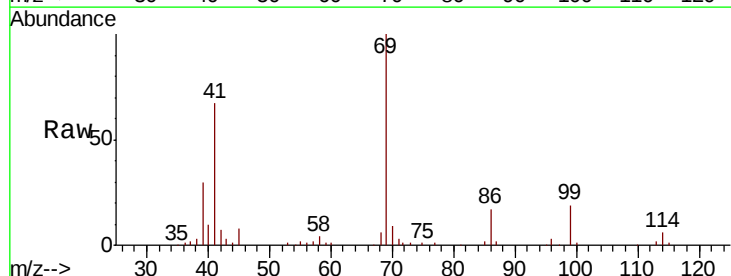
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1024SBS01

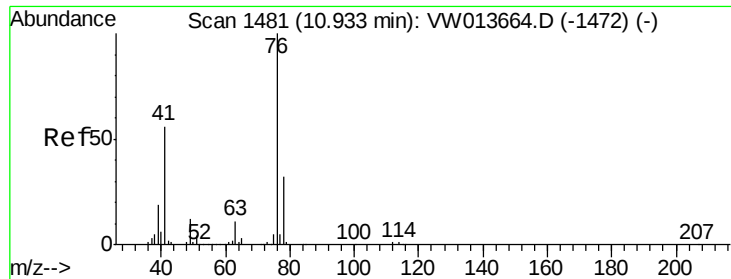
Tot Ion	97	Resp	42401
Ion	Ratio	Lower	Upper
97	100		
83	81.8	67.8	101.8
85	56.1	42.1	63.1
99	64.2	51.4	77.0



#56
 Ethyl methacrylate
 Concen: 18.877 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW013712.D
 Acq: 24 Oct 2019 15:51

Tgt Ion	69	Resp	49609
Ion	Ratio	Lower	Upper
69	100		
41	69.8	51.6	77.4
39	30.5	22.4	33.6

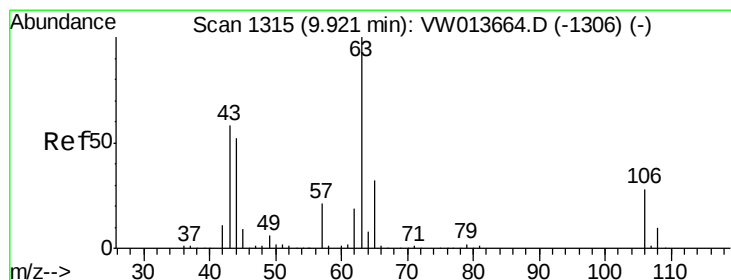
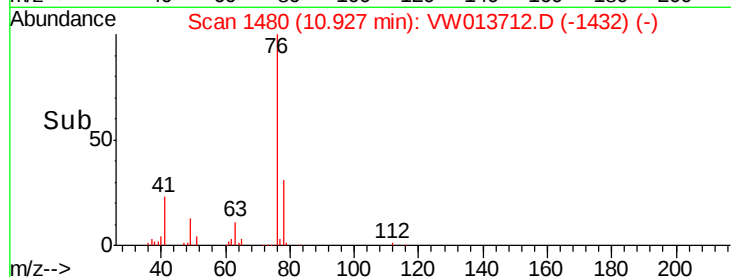
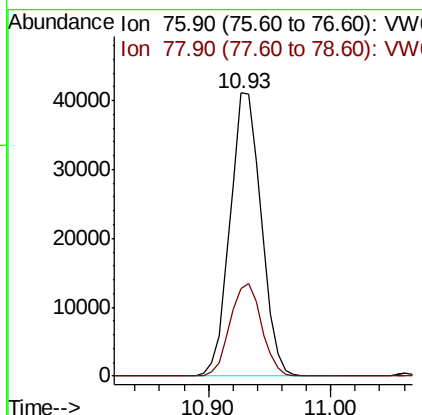
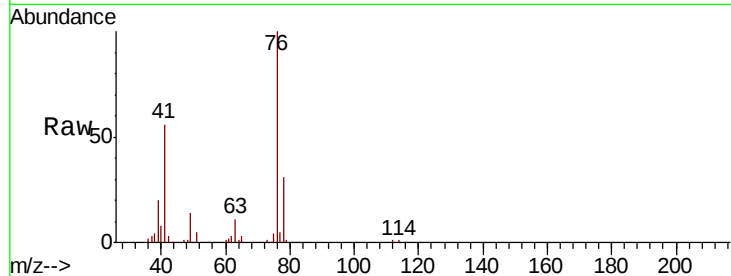




#57
 1,3-Dichloropropane
 Concen: 20.058 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: VW013712.D
 Acq: 24 Oct 2019 15:51

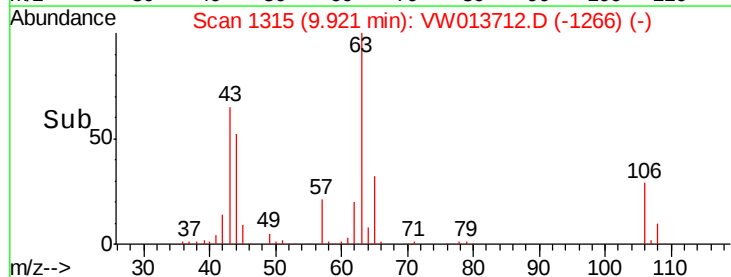
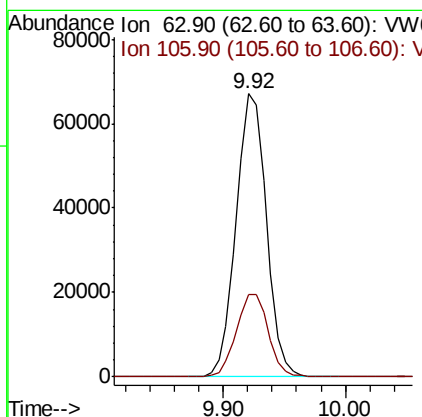
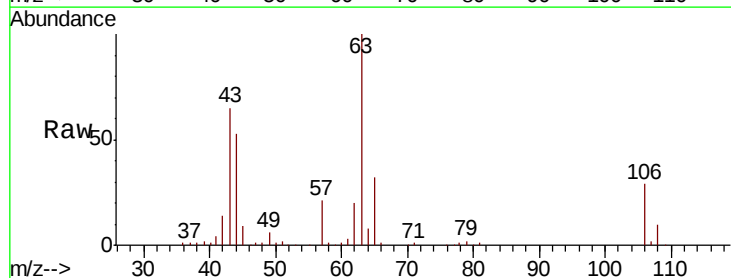
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1024SBS01

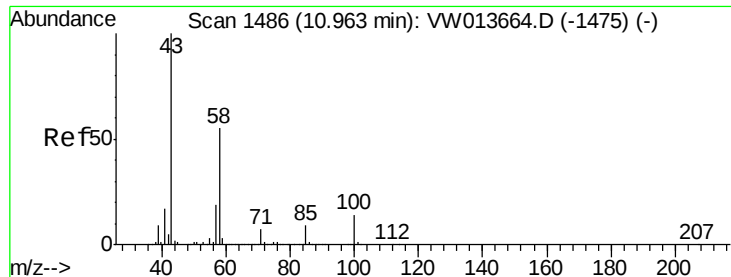
Tot Ion: 76 Resp: 72301
 Ion Ratio Lower Upper
 76 100
 78 33.0 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.239 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013712.D
 Acq: 24 Oct 2019 15:51

Tgt Ion: 63 Resp: 115192
 Ion Ratio Lower Upper
 63 100
 106 30.8 23.8 35.8

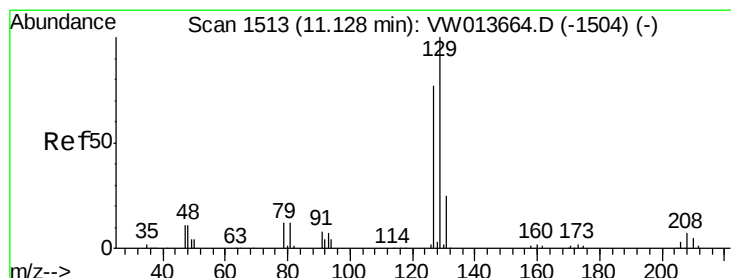
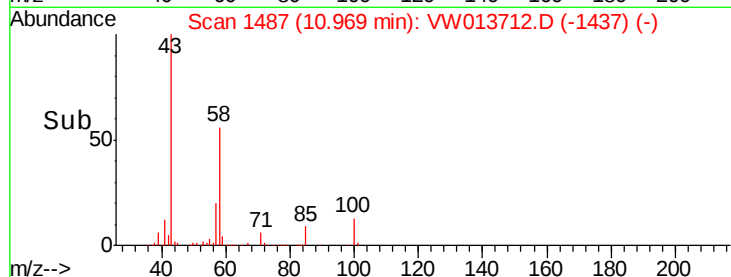
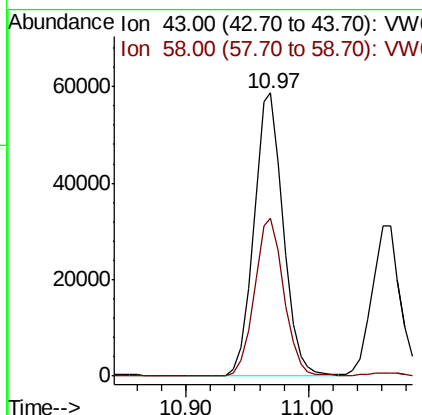
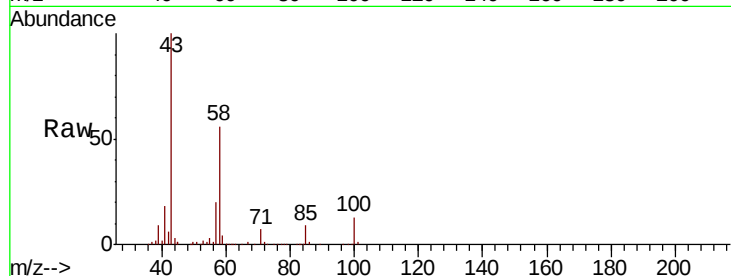




#59
2-Hexanone
Concen: 90.852 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

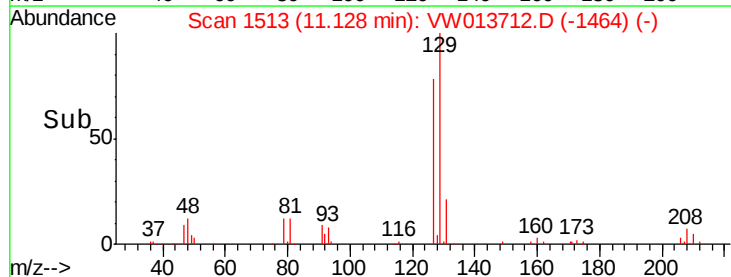
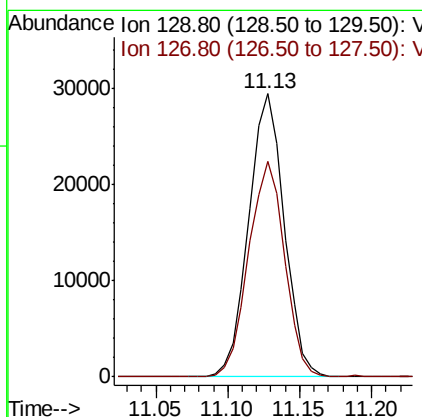
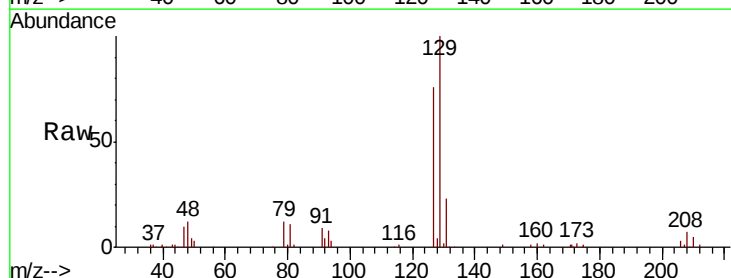
Instrument :
MSVOA_W
ClientSampleId :
VW1024SBS01

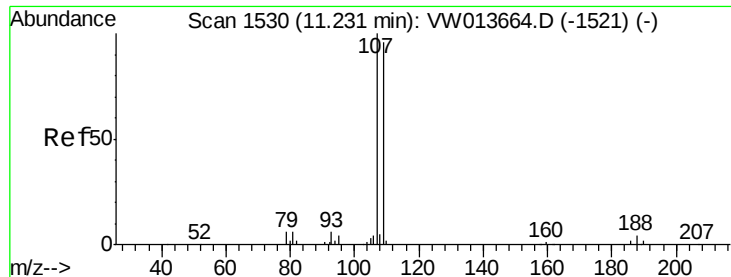
Tot Ion: 43 Resp: 97968
Ion Ratio Lower Upper
43 100
58 55.9 27.9 83.7



#60
Dibromochloromethane
Concen: 20.025 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

Tgt Ion: 129 Resp: 49941
Ion Ratio Lower Upper
129 100
127 77.3 38.9 116.7

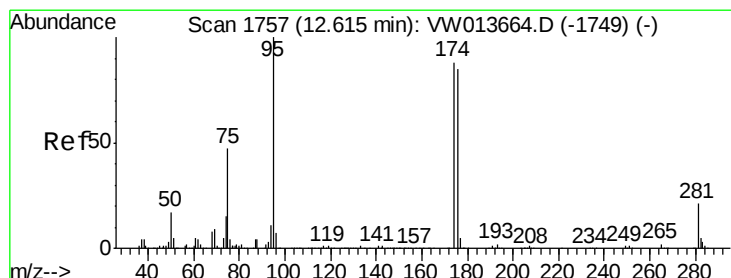
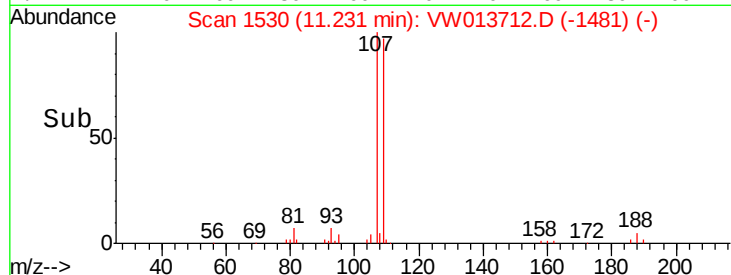
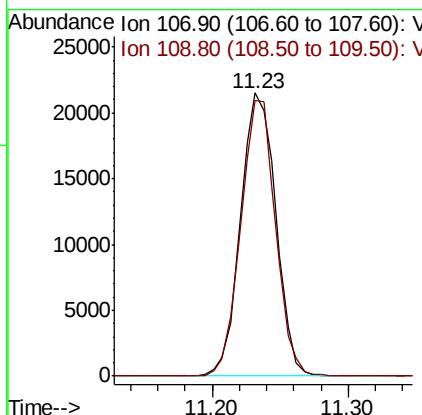
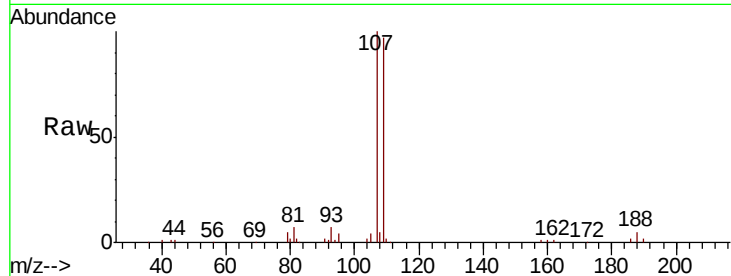




#61
 1,2-Dibromoethane
 Concen: 19.637 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW013712.D
 Acq: 24 Oct 2019 15:51

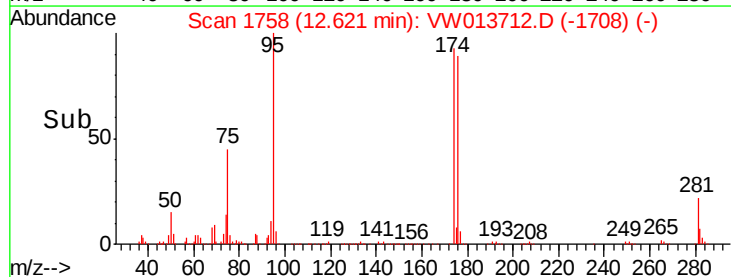
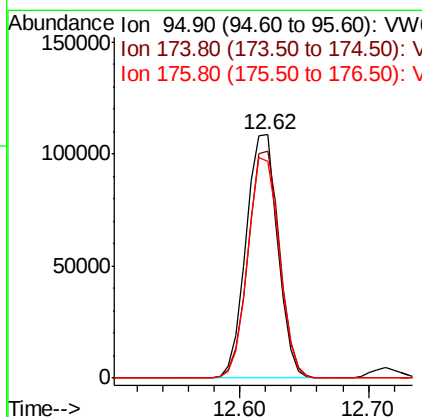
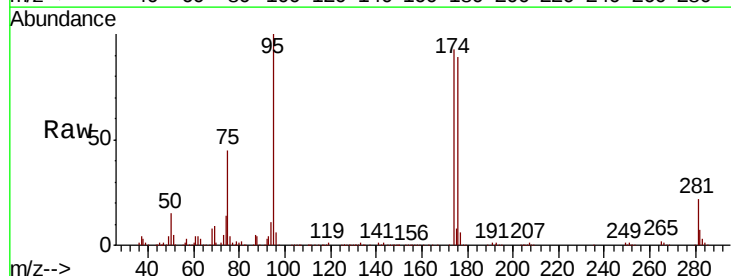
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1024SBS01

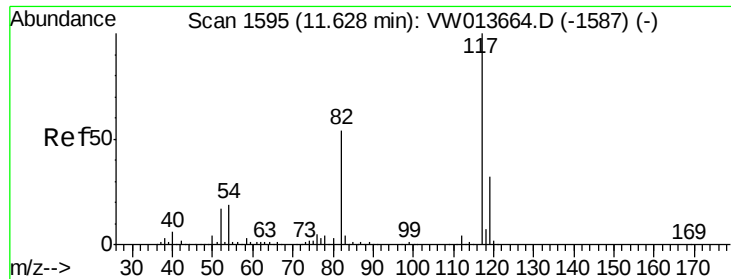
Tot Ion:107 Resp: 39023
 Ion Ratio Lower Upper
 107 100
 109 96.0 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 52.041 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.01 min
 Lab File: VW013712.D
 Acq: 24 Oct 2019 15:51

Tgt Ion: 95 Resp: 184035
 Ion Ratio Lower Upper
 95 100
 174 92.6 0.0 183.6
 176 89.8 0.0 178.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

VW1024SBS01

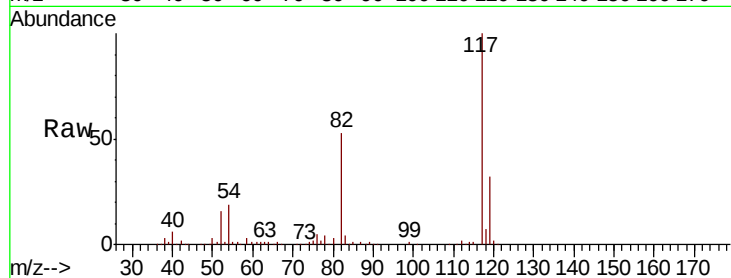
Tot Ion:117 Resp: 397184

Ion Ratio Lower Upper

117 100

82 53.2 43.6 65.4

119 32.0 25.4 38.2

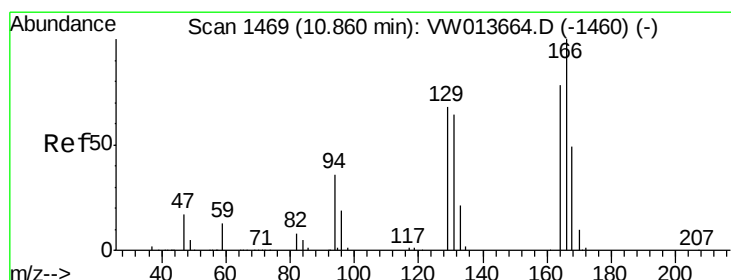
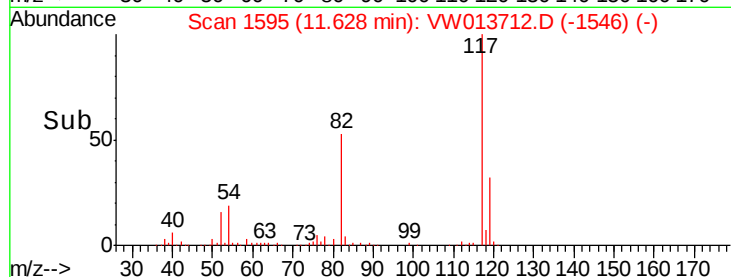
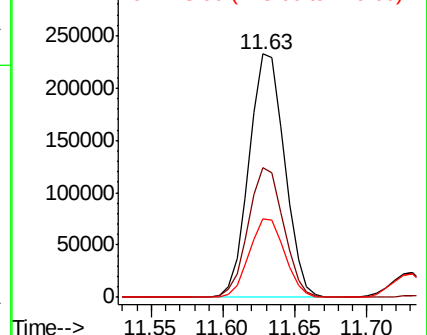


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 20.441 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

Tgt Ion:164 Resp: 62031

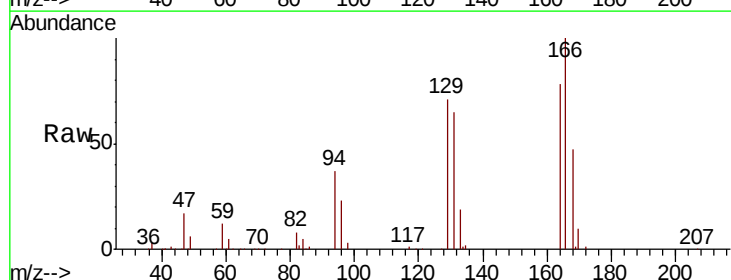
Ion Ratio Lower Upper

164 100

166 128.6 103.2 154.8

129 91.1 70.6 105.8

131 83.8 66.0 99.0



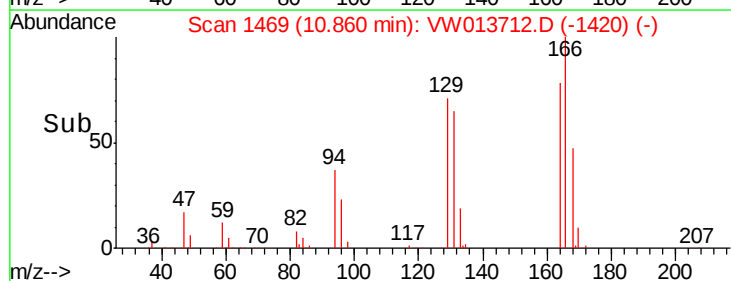
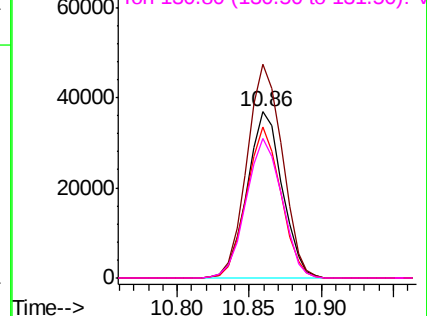
Abundance

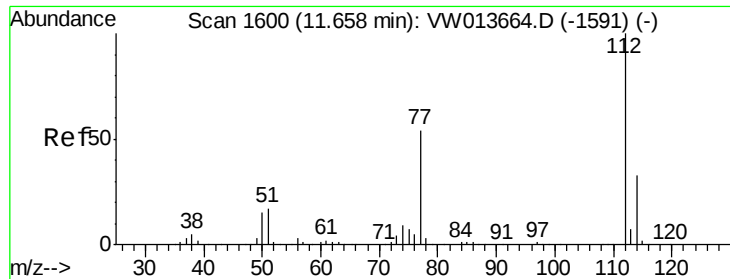
Ion 163.80 (163.50 to 164.50): V

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

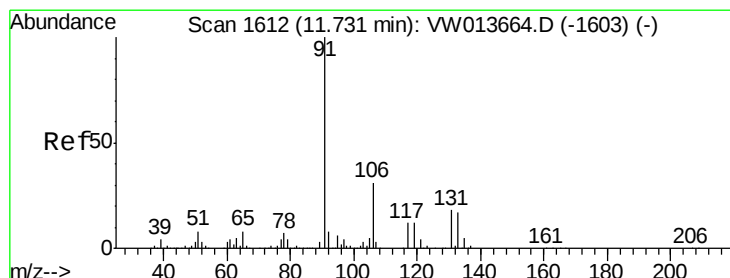
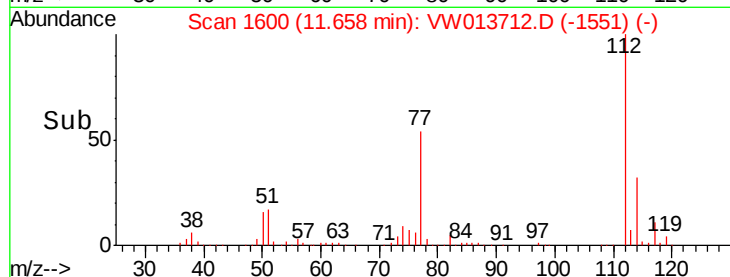
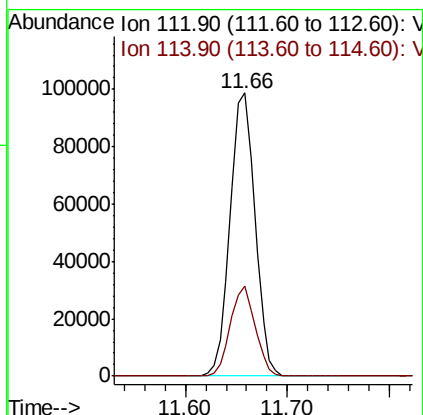
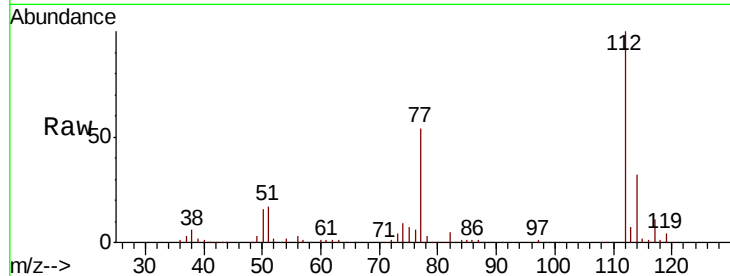




#65
Chlorobenzene
Concen: 20.449 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

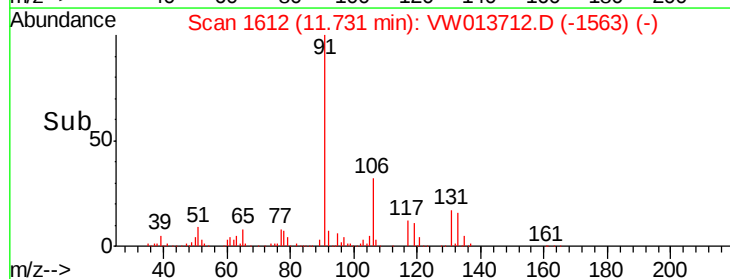
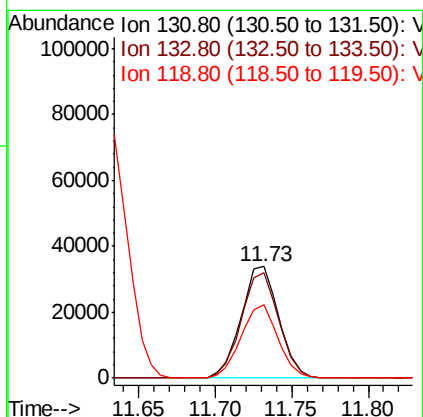
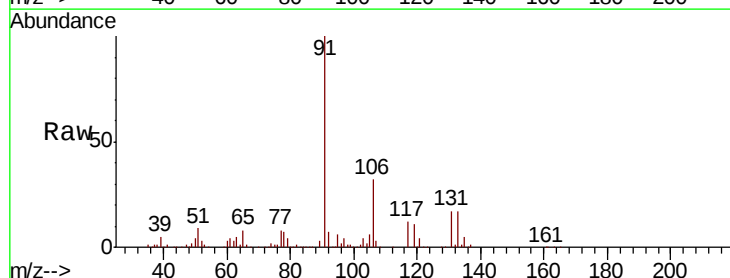
Instrument :
MSVOA_W
ClientSampleId :
VW1024SBS01

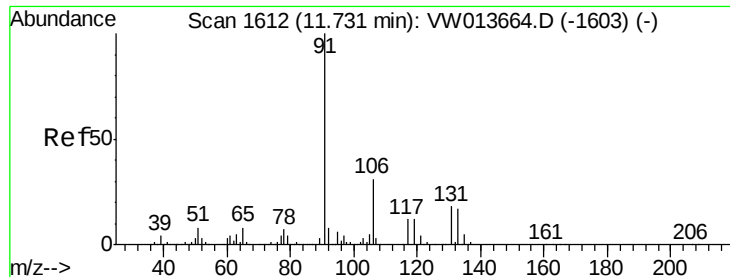
Tot Ion:112 Resp: 166901
Ion Ratio Lower Upper
112 100
114 32.1 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.340 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

Tgt Ion:131 Resp: 57938
Ion Ratio Lower Upper
131 100
133 94.3 47.4 142.3
119 64.7 33.1 99.2





#67

Ethyl Benzene

Concen: 20.559 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

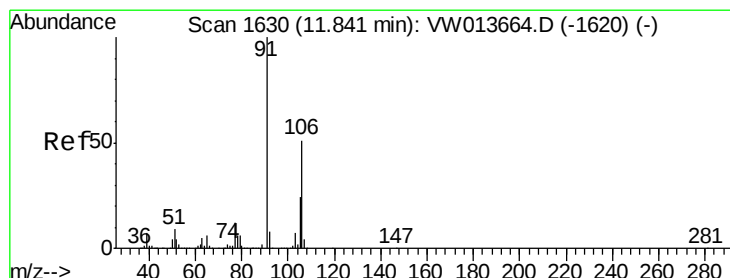
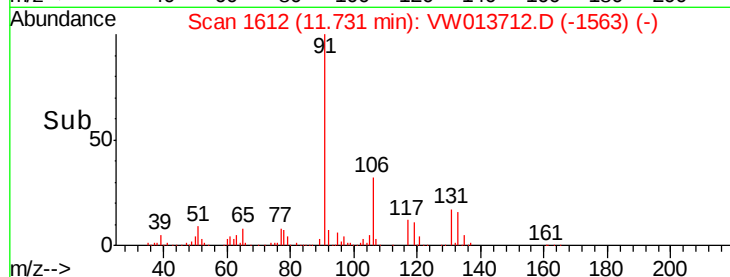
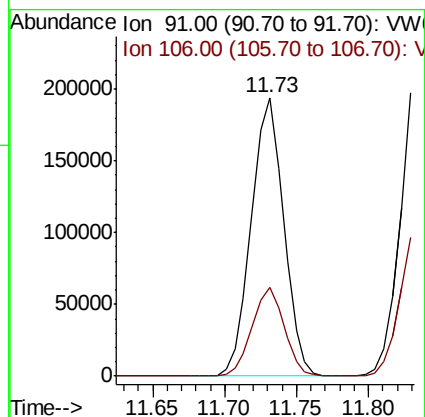
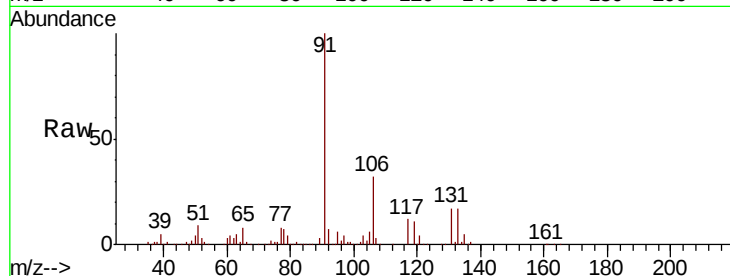
VW1024SBS01

Tot Ion: 91 Resp: 302569

Ion Ratio Lower Upper

91 100

106 31.9 25.0 37.6



#68

m/p-Xylenes

Concen: 41.613 ug/l

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW013712.D

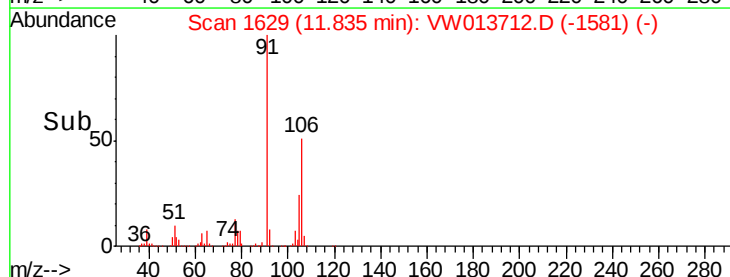
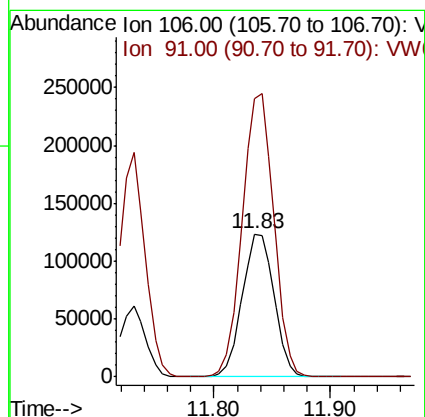
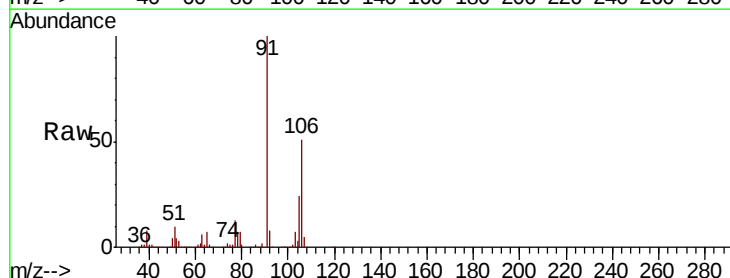
Acq: 24 Oct 2019 15:51

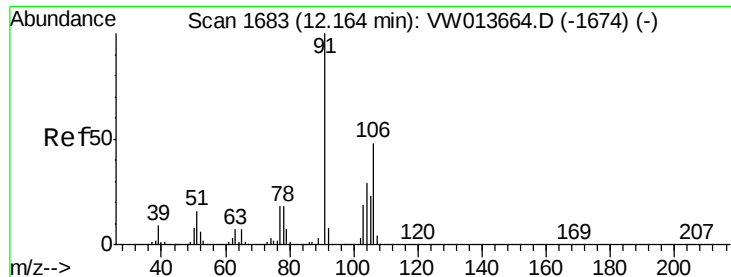
Tgt Ion:106 Resp: 236612

Ion Ratio Lower Upper

106 100

91 195.2 159.2 238.8

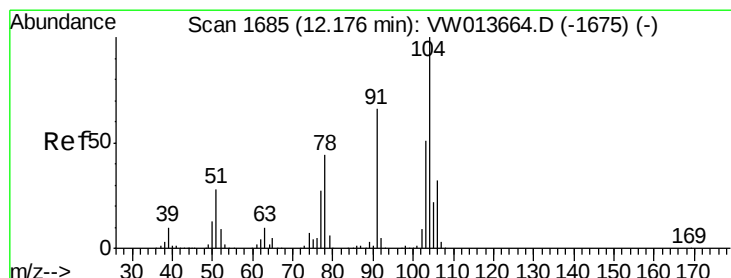
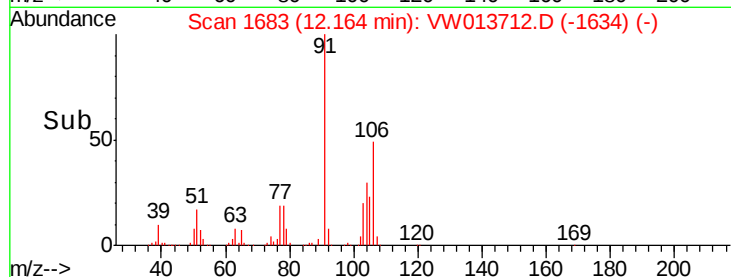
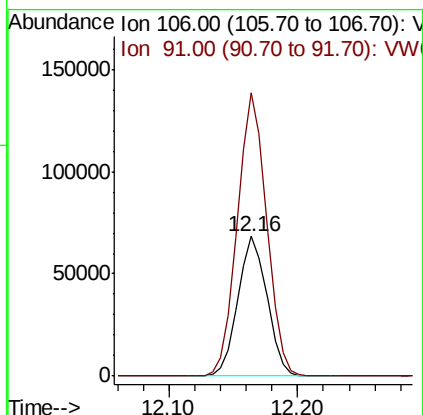
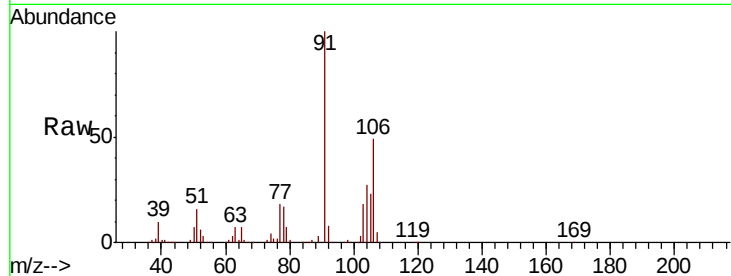




#69
o-Xylene
Concen: 20.531 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

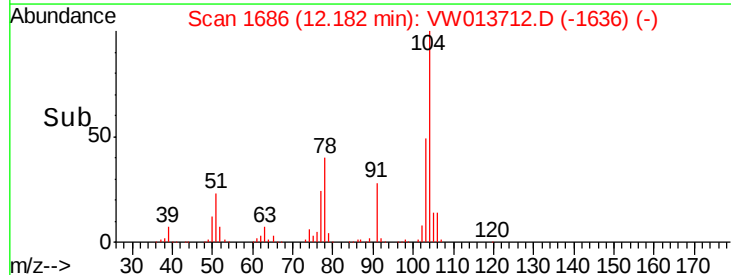
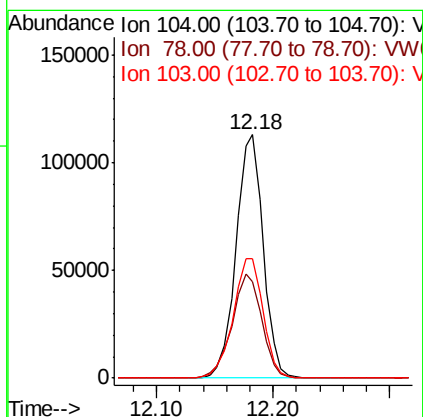
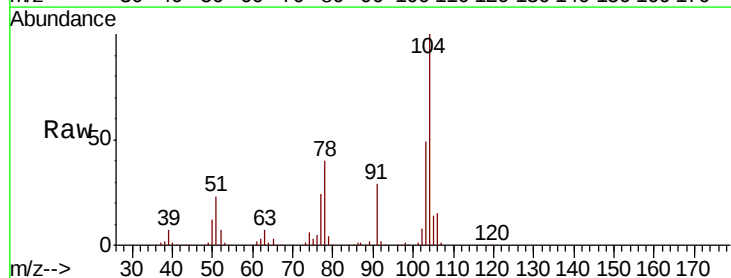
Instrument :
MSVOA_W
ClientSampleId :
VW1024SBS01

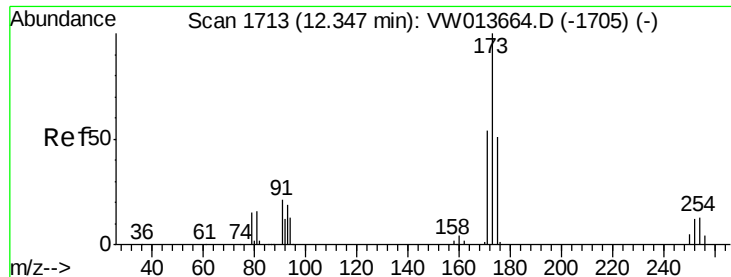
Tot Ion:106 Resp: 107305
Ion Ratio Lower Upper
106 100
91 203.2 104.9 314.7



#70
Styrene
Concen: 20.451 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

Tgt Ion:104 Resp: 183644
Ion Ratio Lower Upper
104 100
78 46.9 37.1 55.7
103 54.1 43.6 65.4





#71

Bromoform

Concen: 19.594 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

VW1024SBS01

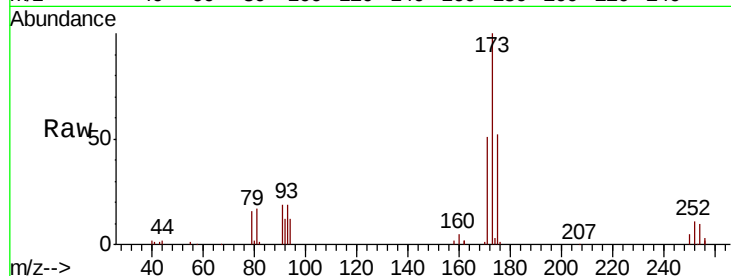
Tot Ion:173 Resp: 29289

Ion Ratio Lower Upper

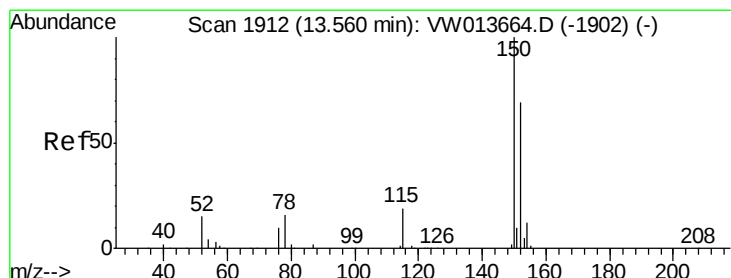
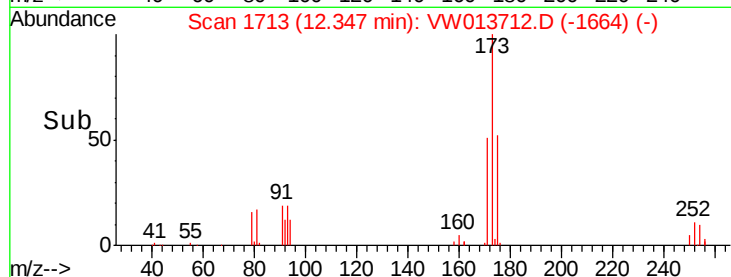
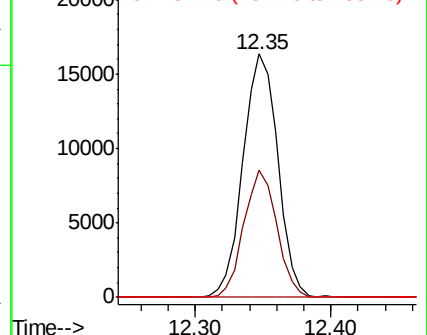
173 100

175 49.4 25.2 75.6

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. -0.00 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

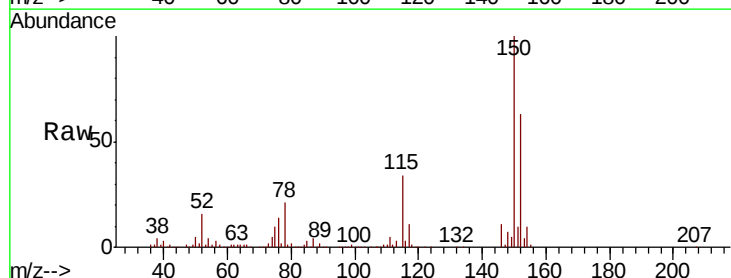
Tgt Ion:152 Resp: 204098

Ion Ratio Lower Upper

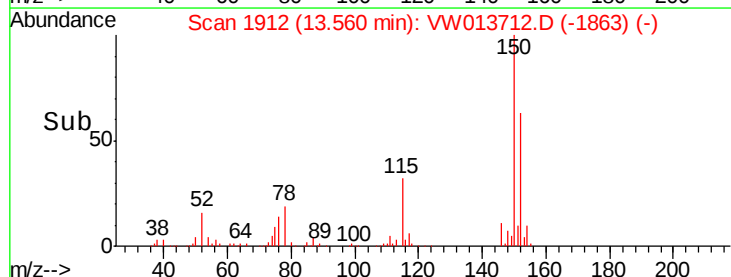
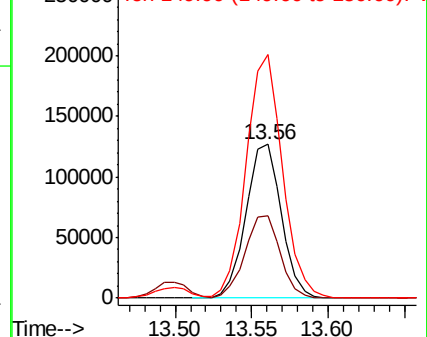
152 100

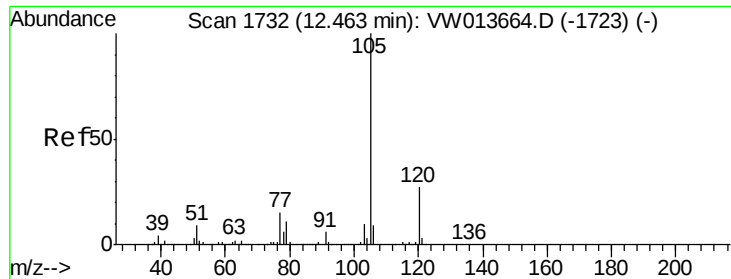
115 53.6 27.4 82.2

150 162.0 0.0 345.4



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: 20.605 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

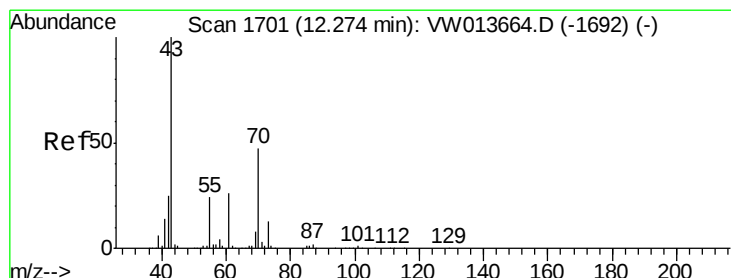
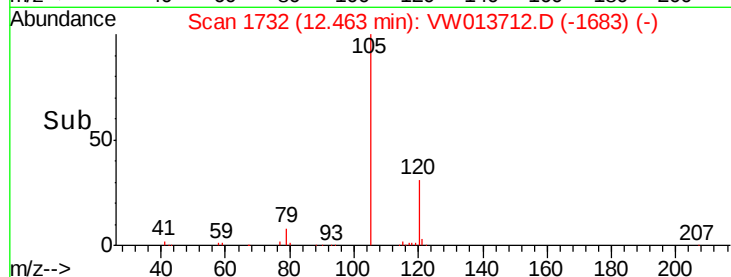
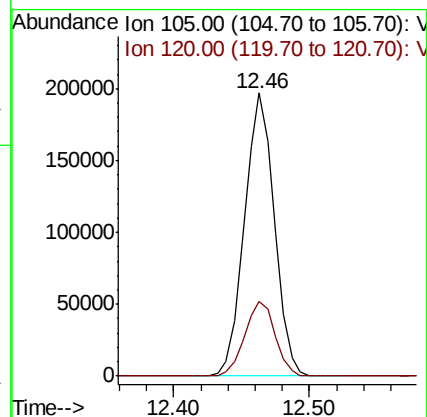
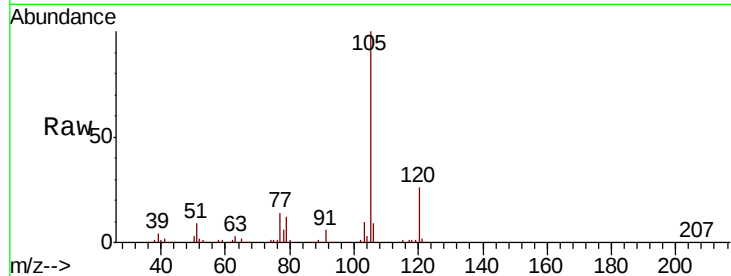
VW1024SBS01

Tot Ion:105 Resp: 302008

Ion Ratio Lower Upper

105 100

120 26.8 13.5 40.4



#74

N-ethyl acetate

Concen: 18.662 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

Tgt Ion: 43 Resp: 52911

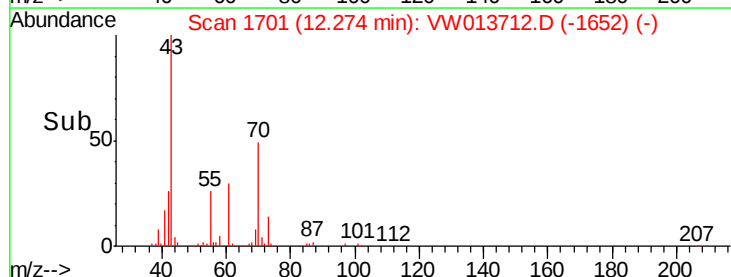
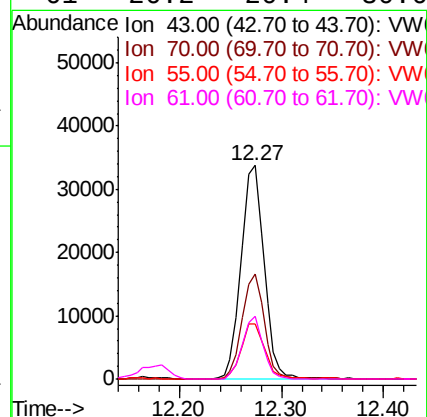
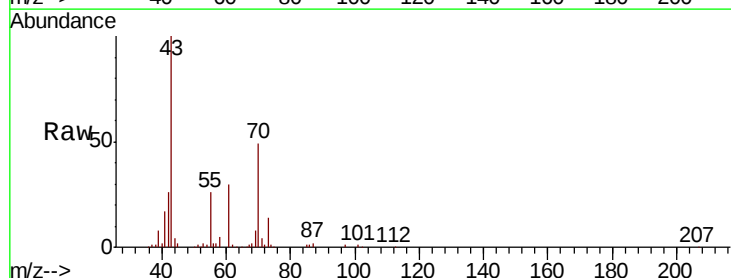
Ion Ratio Lower Upper

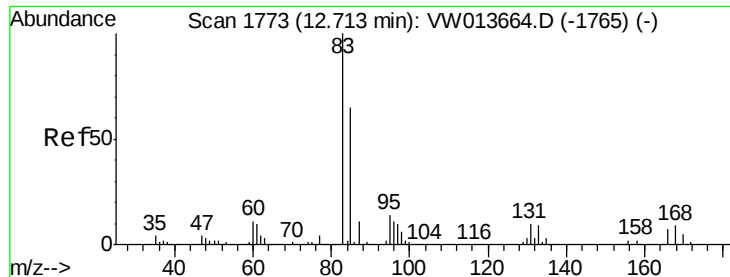
43 100

70 47.0 36.6 55.0

55 26.5 20.3 30.5

61 26.2 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.445 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

VW1024SBS01

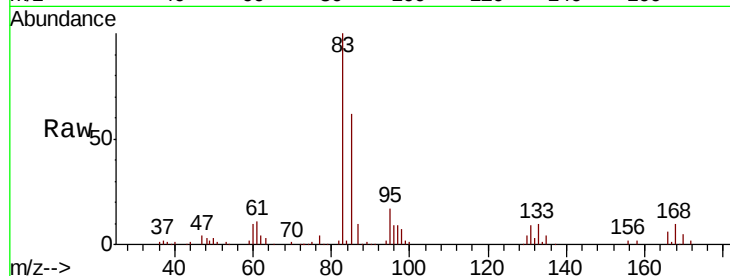
Tot Ion: 83 Resp: 44974

Ion Ratio Lower Upper

83 100

131 11.3 5.7 17.1

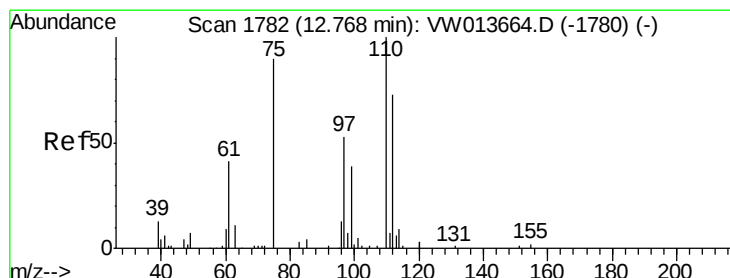
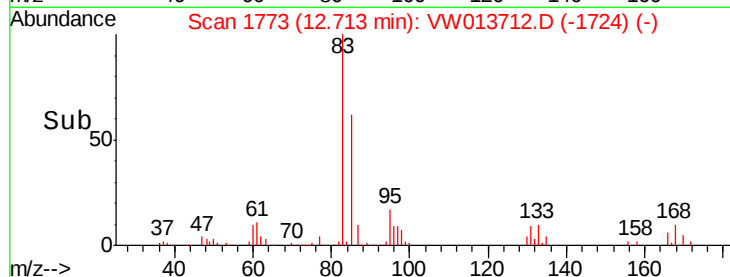
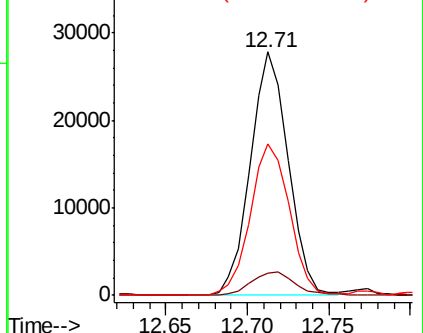
85 64.2 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 38.883 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013712.D

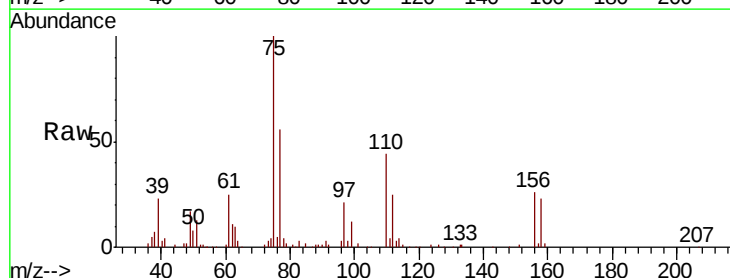
Acq: 24 Oct 2019 15:51

Tgt Ion: 75 Resp: 56991

Ion Ratio Lower Upper

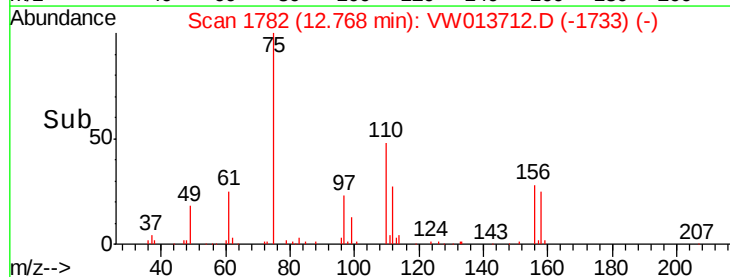
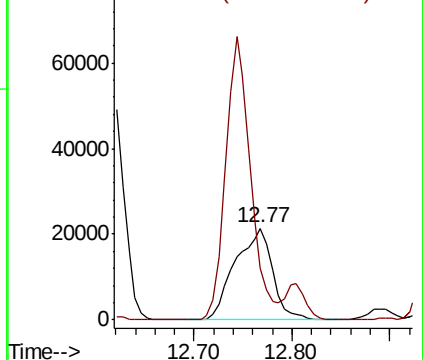
75 100

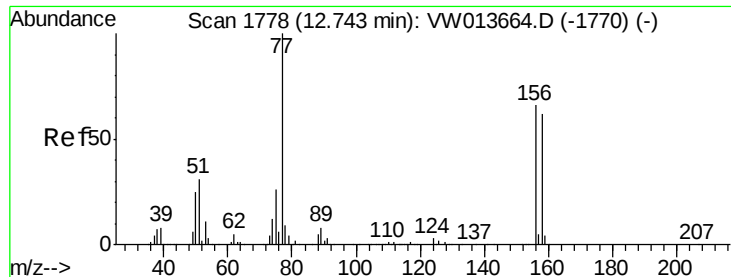
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.209 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

VW1024SBS01

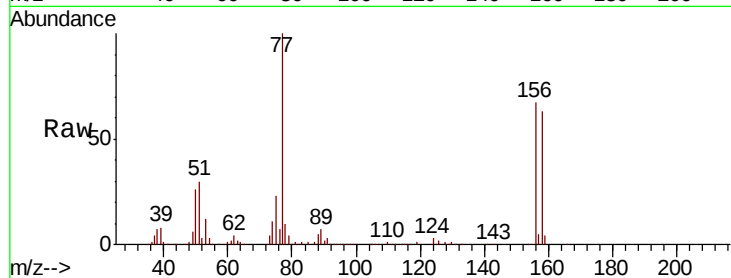
Tot Ion:156 Resp: 70758

Ion Ratio Lower Upper

156 100

77 165.8 82.9 248.7

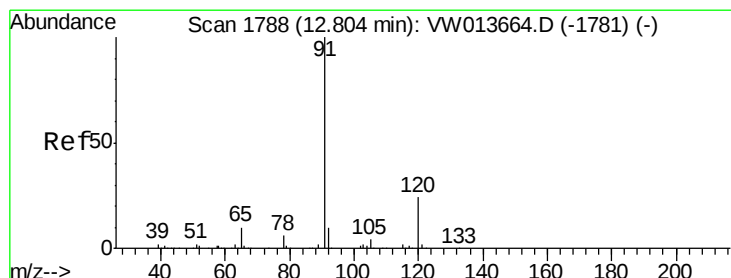
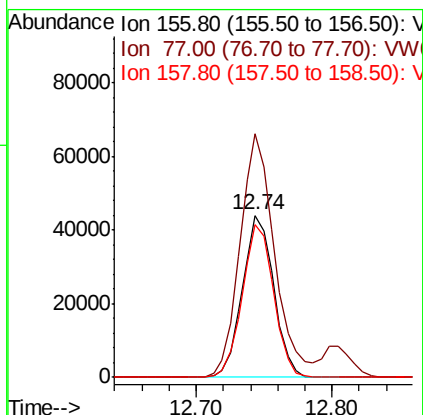
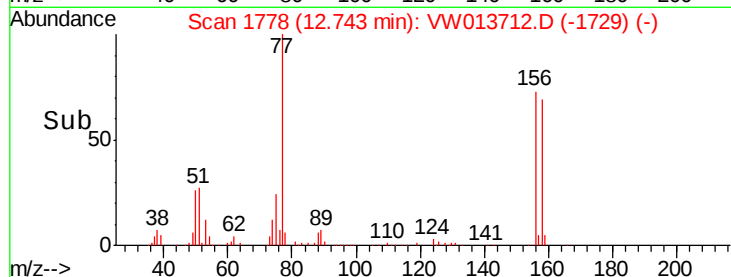
158 94.4 48.4 145.2



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: 20.976 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013712.D

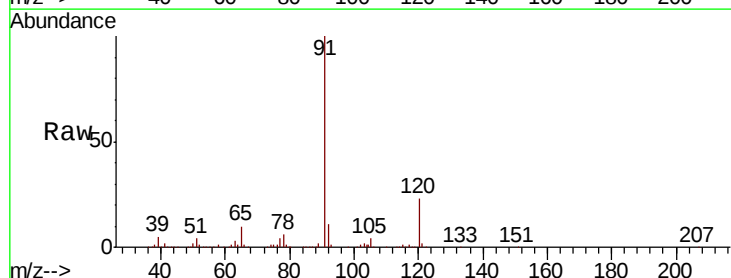
Acq: 24 Oct 2019 15:51

Tgt Ion: 91 Resp: 355852

Ion Ratio Lower Upper

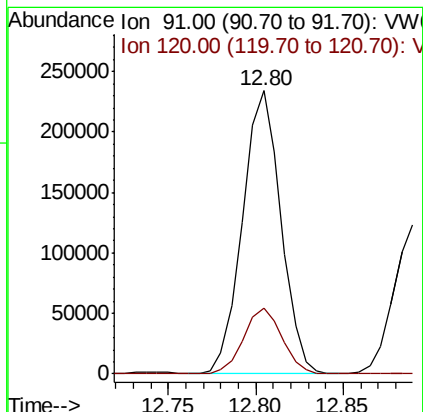
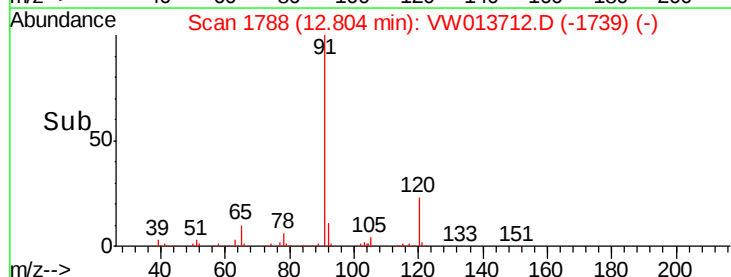
91 100

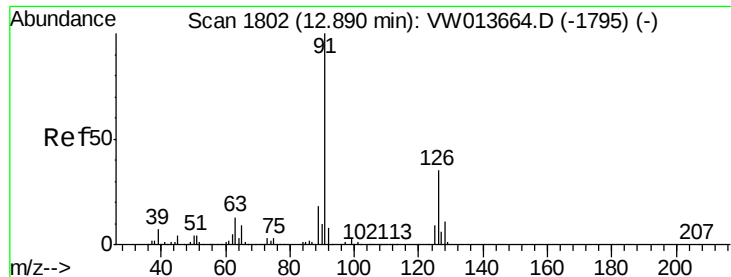
120 23.5 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.671 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

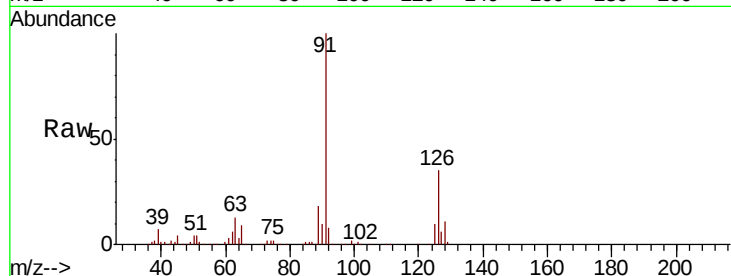
VW1024SBS01

Tot Ion: 91 Resp: 197071

Ion Ratio Lower Upper

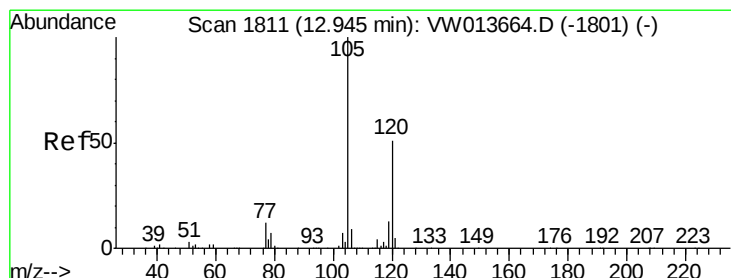
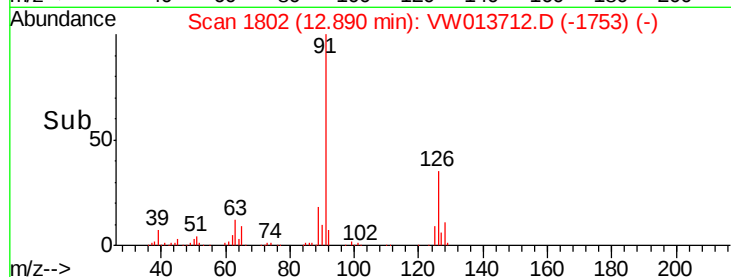
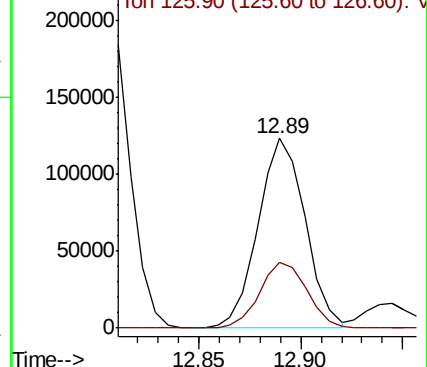
91 100

126 35.4 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.475 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013712.D

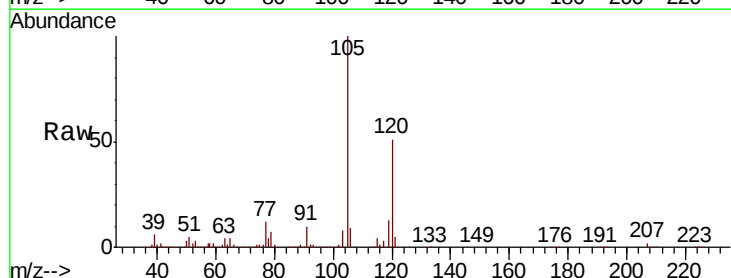
Acq: 24 Oct 2019 15:51

Tgt Ion:105 Resp: 253334

Ion Ratio Lower Upper

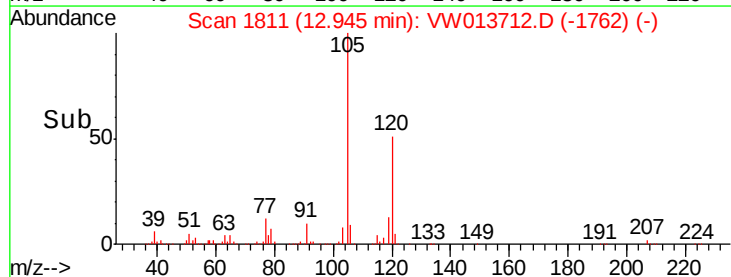
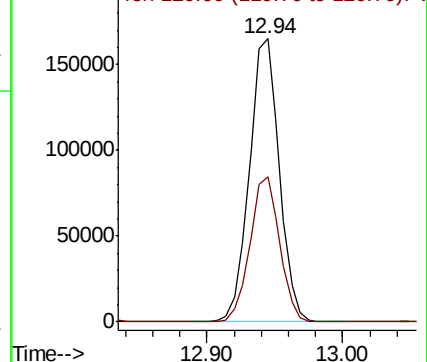
105 100

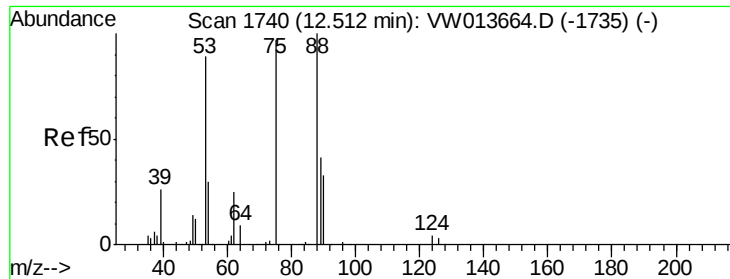
120 51.2 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.174 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

VW1024SBS01

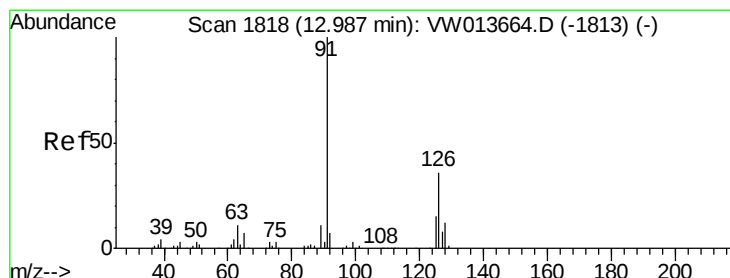
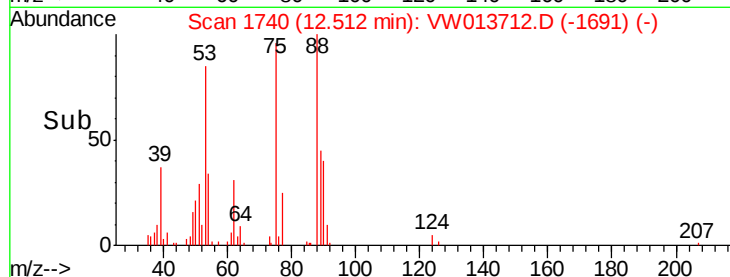
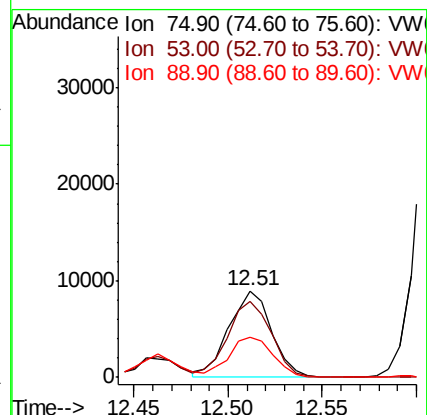
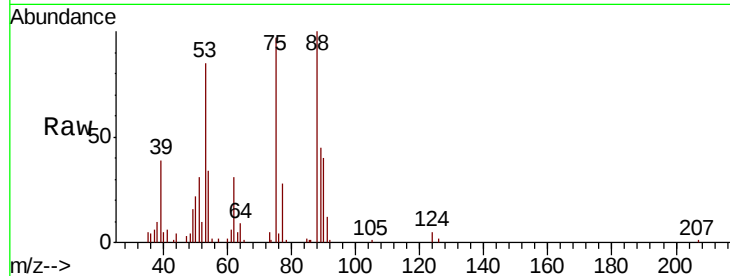
Tot Ion: 75 Resp: 14095

Ion Ratio Lower Upper

75 100

53 89.6 71.7 107.5

89 47.4 35.8 53.8



#82

4-Chlorotoluene

Concen: 20.580 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW013712.D

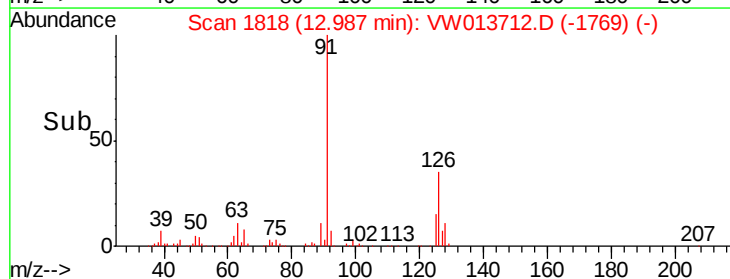
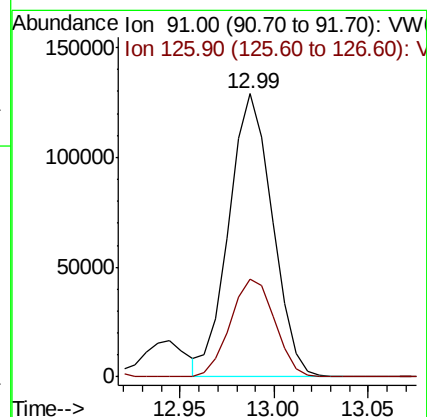
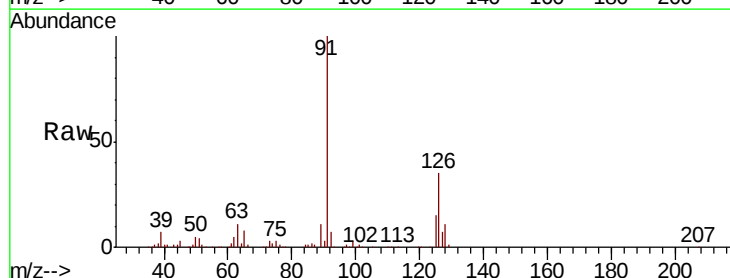
Acq: 24 Oct 2019 15:51

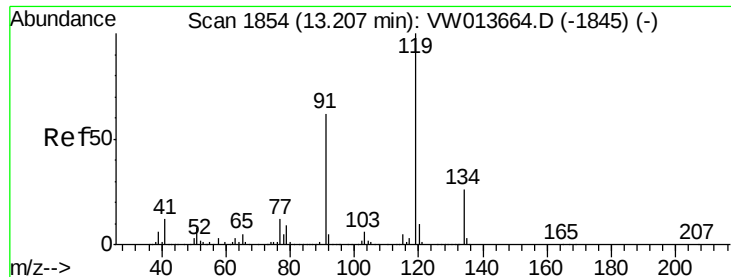
Tgt Ion: 91 Resp: 205979

Ion Ratio Lower Upper

91 100

126 35.5 17.2 51.5

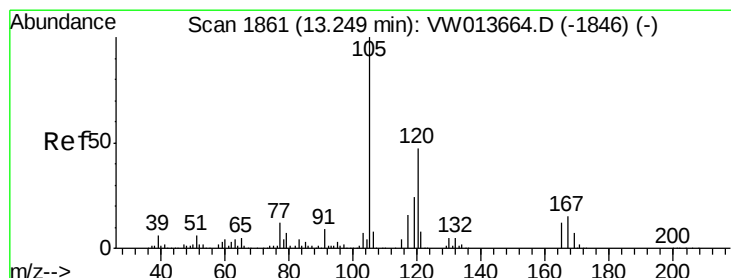
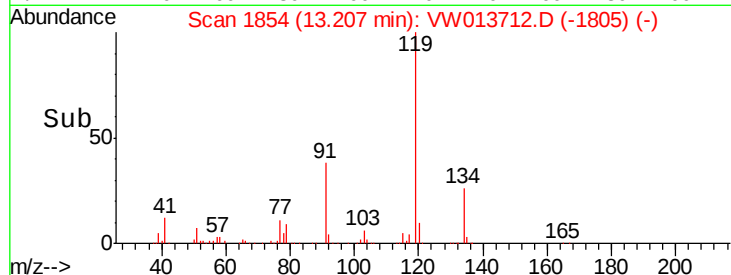
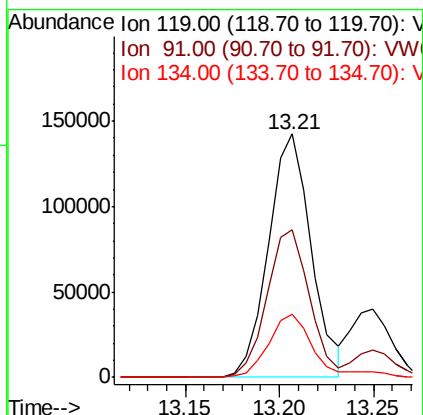
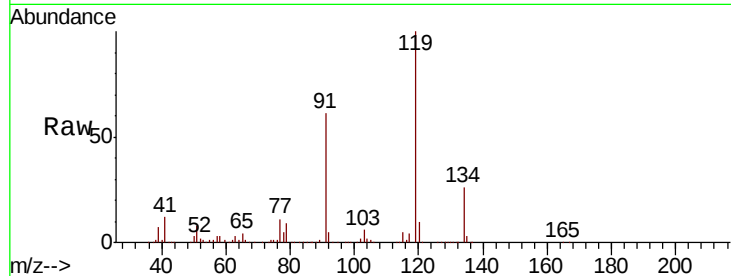




#83
tert-Butylbenzene
Concen: 20.420 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

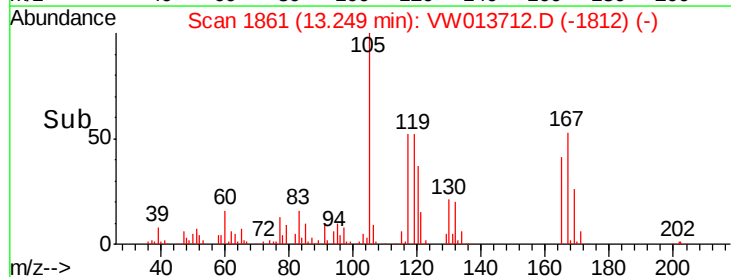
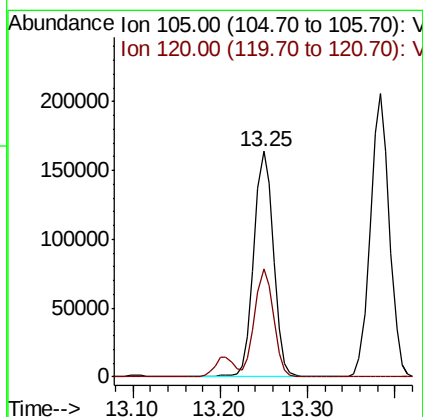
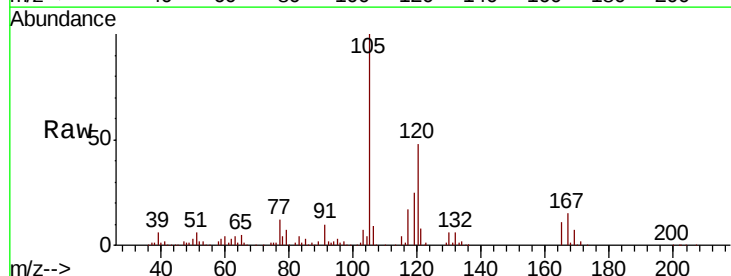
Instrument :
MSVOA_W
ClientSampleId :
VW1024SBS01

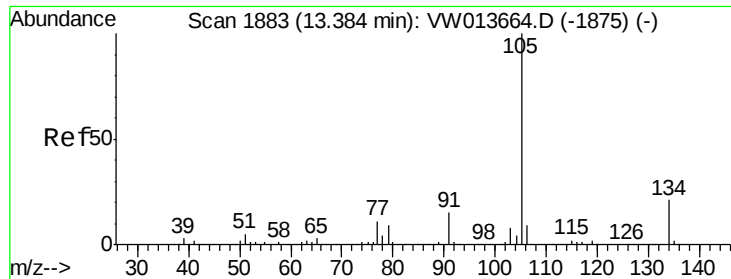
Tot Ion:119 Resp: 224268
Ion Ratio Lower Upper
119 100
91 60.5 30.4 91.3
134 27.6 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 20.777 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013712.D
Acq: 24 Oct 2019 15:51

Tgt Ion:105 Resp: 253588
Ion Ratio Lower Upper
105 100
120 46.3 23.5 70.5

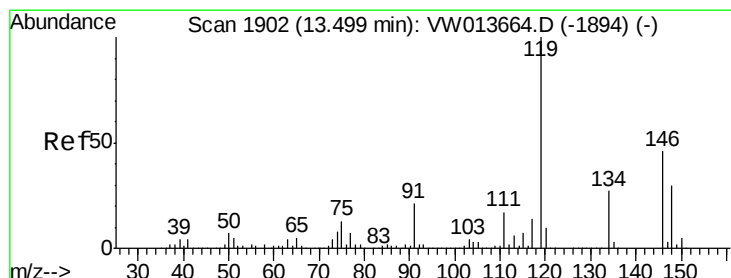
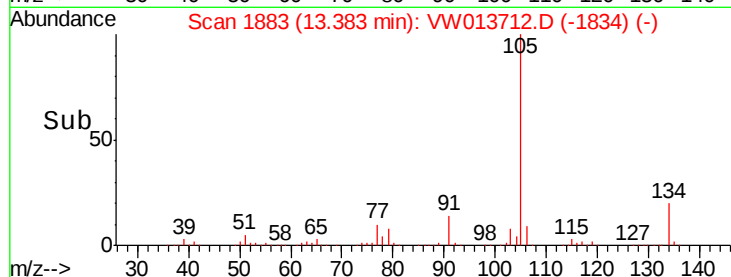
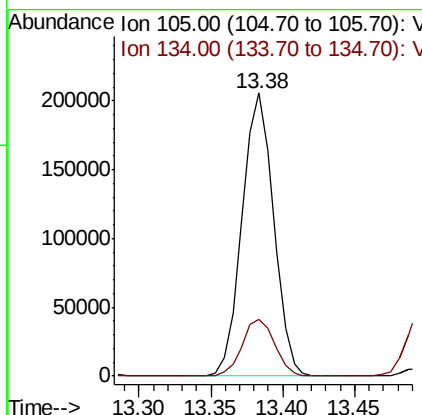
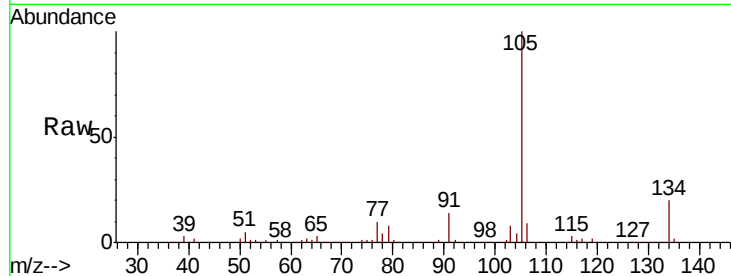




#85
 sec-Butylbenzene
 Concen: 20.815 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013712.D
 Acq: 24 Oct 2019 15:51

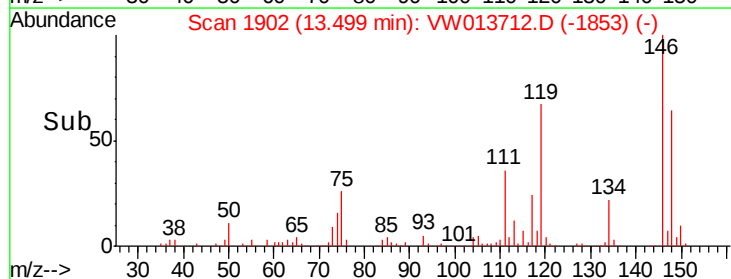
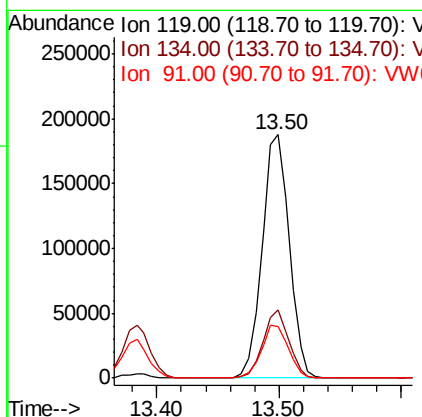
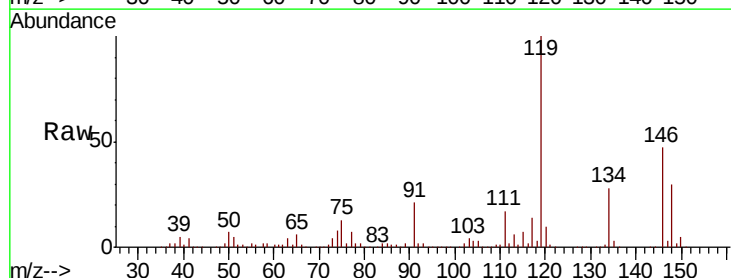
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1024SBS01

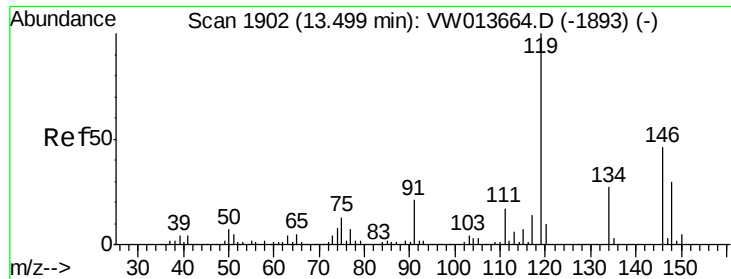
Tot Ion:105 Resp: 312614
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.5 31.5



#86
 p-Isopropyltoluene
 Concen: 20.691 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013712.D
 Acq: 24 Oct 2019 15:51

Tgt Ion:119 Resp: 289468
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.4 40.1
 91 21.7 10.8 32.3





#87

1,3-Dichlorobenzene

Concen: 20.424 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

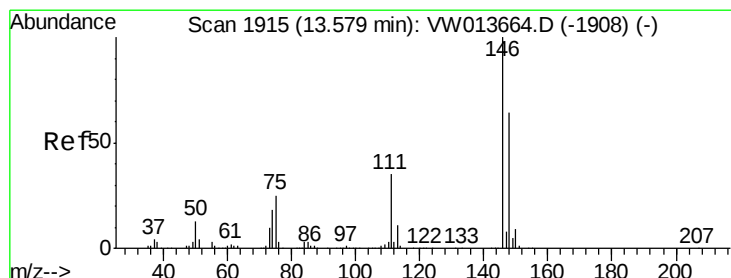
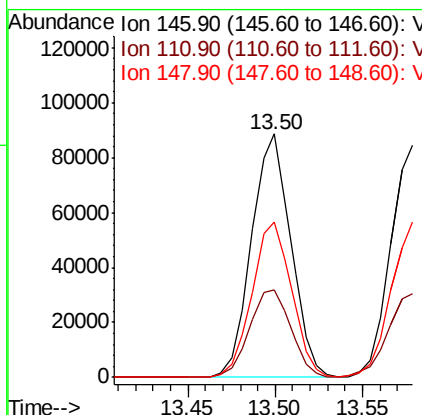
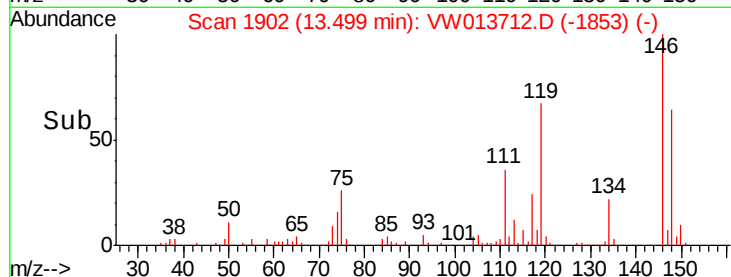
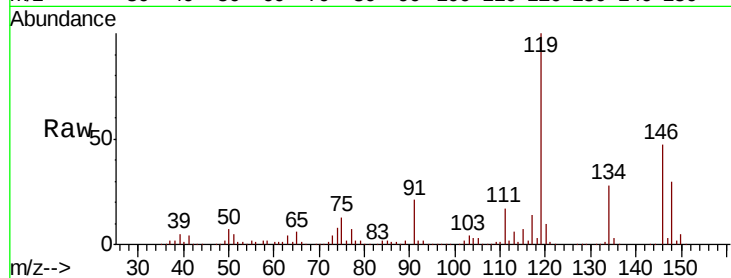
Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

Instrument :
MSVOA_W
ClientSampleId :
VW1024SBS01

Tot Ion:146 Resp: 138552

Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.6	56.0
148	64.3	31.7	95.1



#88

1,4-Dichlorobenzene

Concen: 20.045 ug/l

RT: 13.58 min Scan# 1915

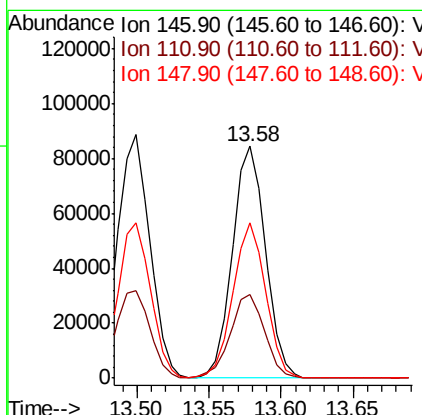
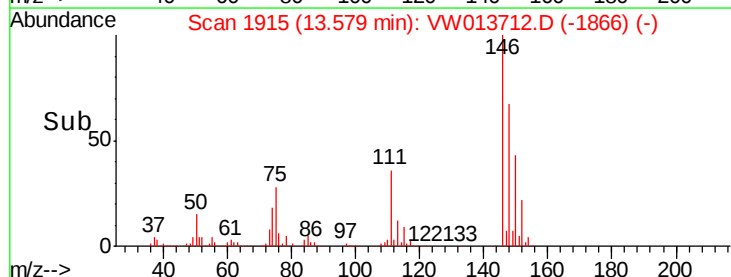
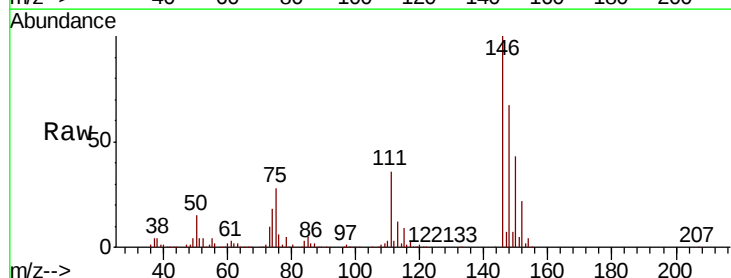
Delta R.T. -0.00 min

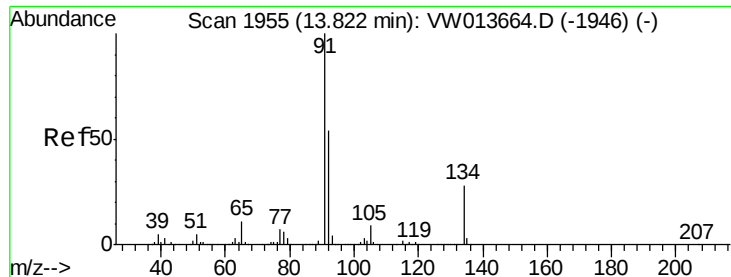
Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

Tgt Ion:146 Resp: 135094

Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.1	54.3
148	66.4	32.0	96.2





#89

n-Butylbenzene

Concen: 20.663 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

VW1024SBS01

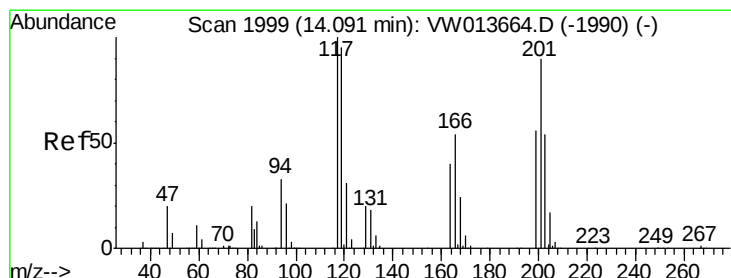
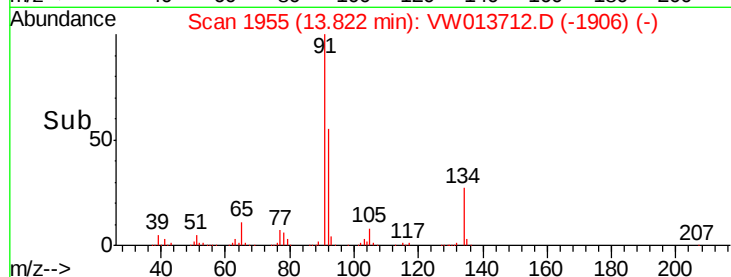
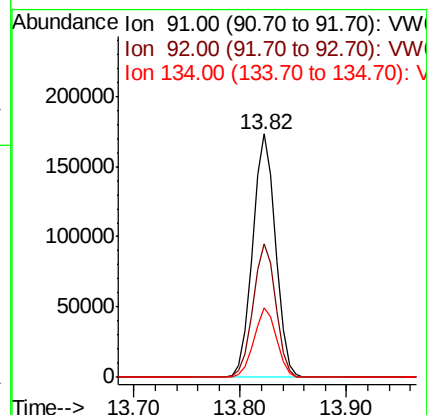
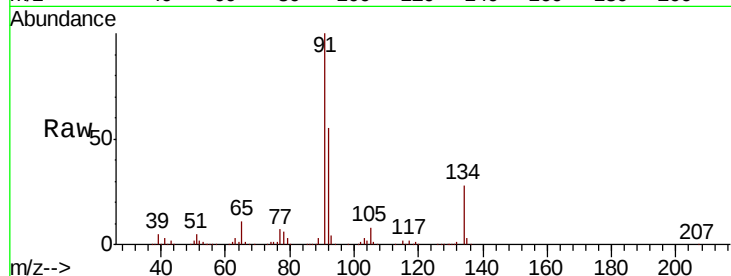
Tot Ion: 91 Resp: 260930

Ion Ratio Lower Upper

91 100

92 54.5 27.5 82.4

134 28.0 14.0 41.9



#90

Hexachloroethane

Concen: 20.301 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW013712.D

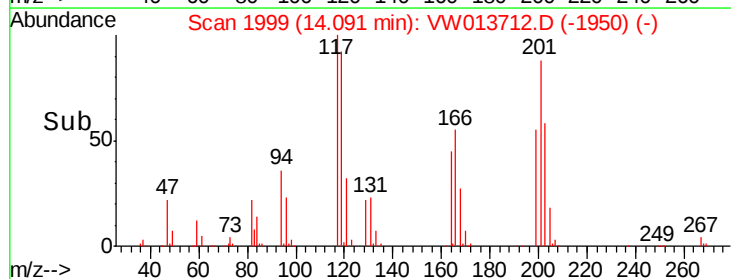
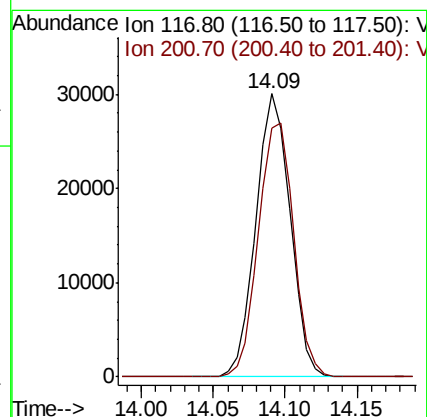
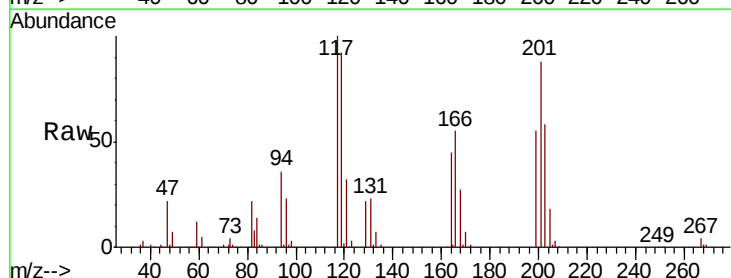
Acq: 24 Oct 2019 15:51

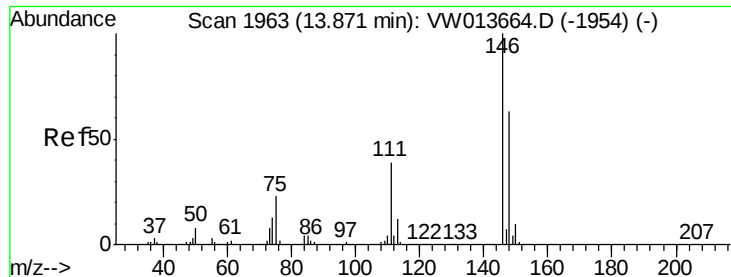
Tgt Ion: 117 Resp: 49365

Ion Ratio Lower Upper

117 100

201 92.2 46.1 138.2





#91

1,2-Dichlorobenzene

Concen: 20.324 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

VW1024SBS01

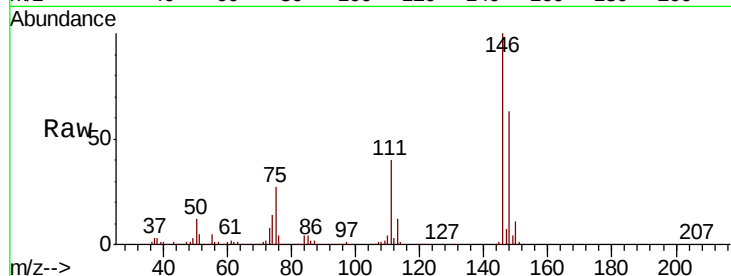
Tot Ion:146 Resp: 119551

Ion Ratio Lower Upper

146 100

111 40.1 19.9 59.6

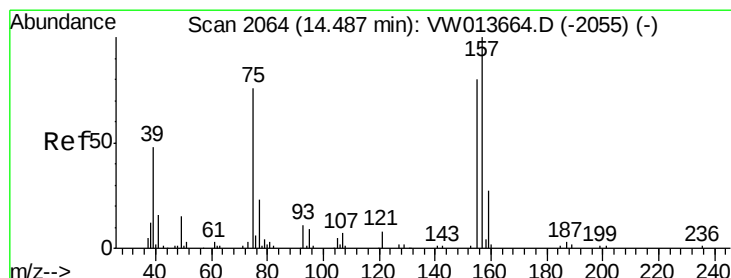
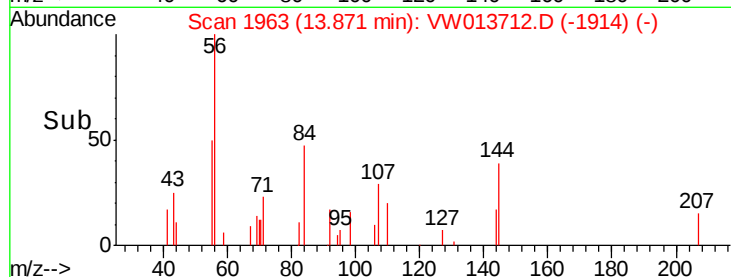
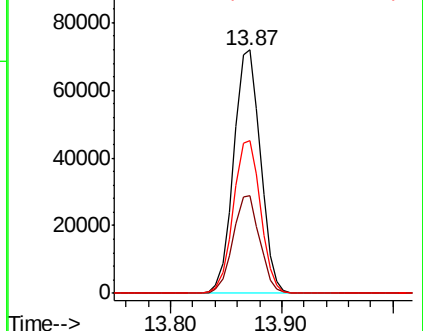
148 63.8 31.9 95.9



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: 19.056 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

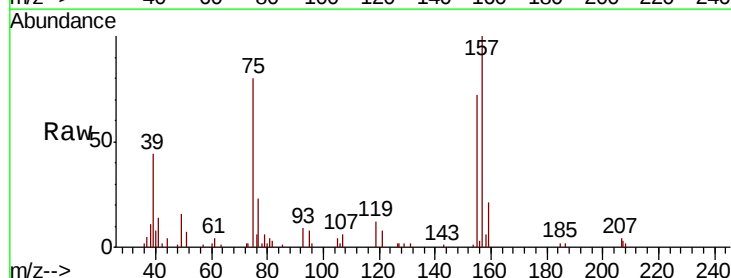
Tgt Ion: 75 Resp: 6665

Ion Ratio Lower Upper

75 100

155 101.1 51.9 155.7

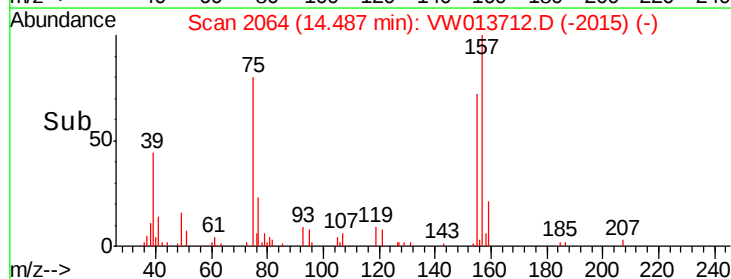
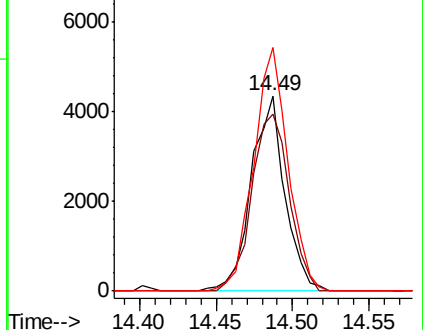
157 127.8 64.8 194.3

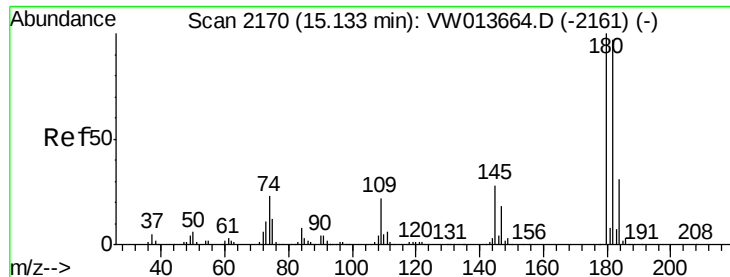


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

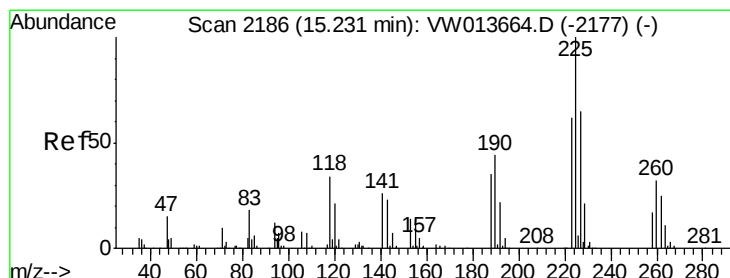
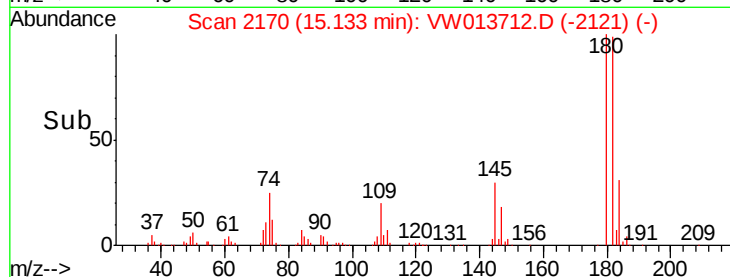
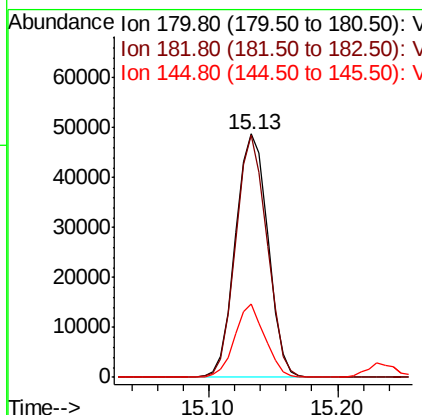
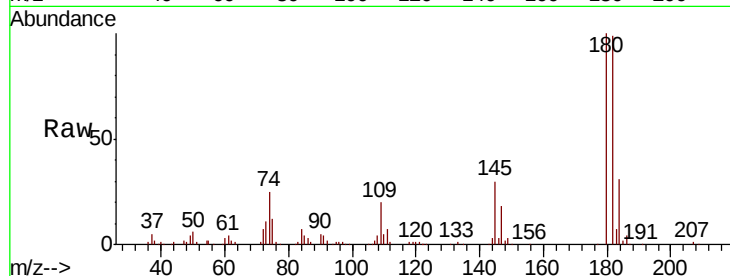




#93
 1,2,4-Trichlorobenzene
 Concen: 19.907 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013712.D
 Acq: 24 Oct 2019 15:51

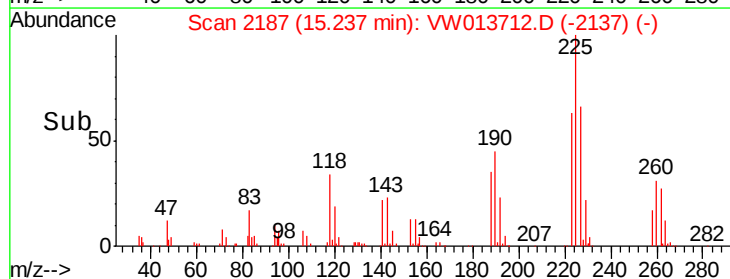
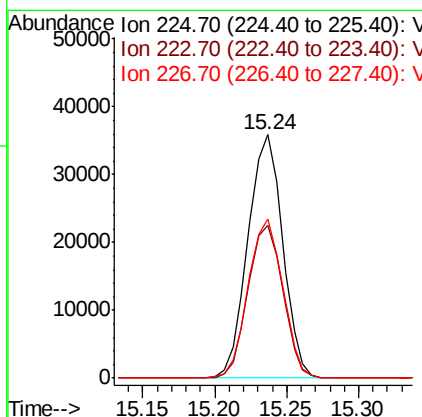
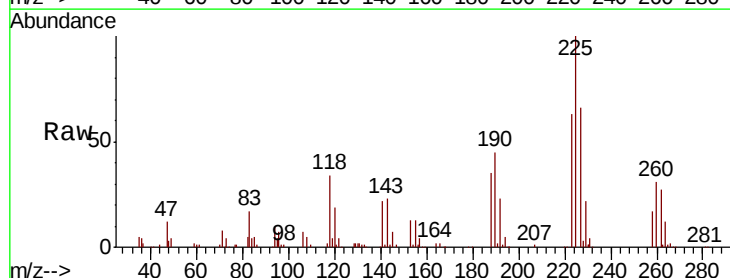
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1024SBS01

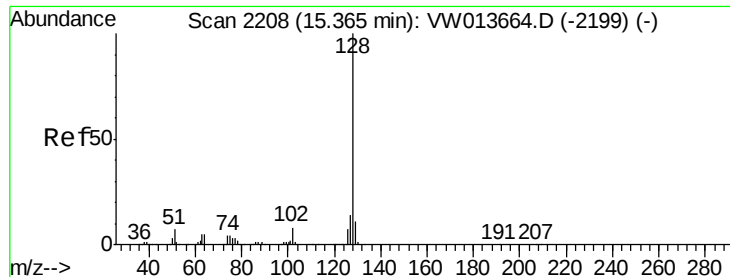
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.4	142.2
145	28.2	14.1	42.3



#94
 Hexachlorobutadiene
 Concen: 20.697 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW013712.D
 Acq: 24 Oct 2019 15:51

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.9	95.9
227	65.4	32.5	97.4





#95

Naphthalene

Concen: 18.765 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

VW1024SBS01

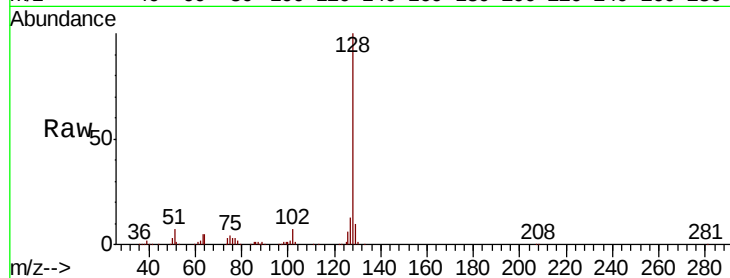
Tot Ion:128 Resp: 125948

Ion Ratio Lower Upper

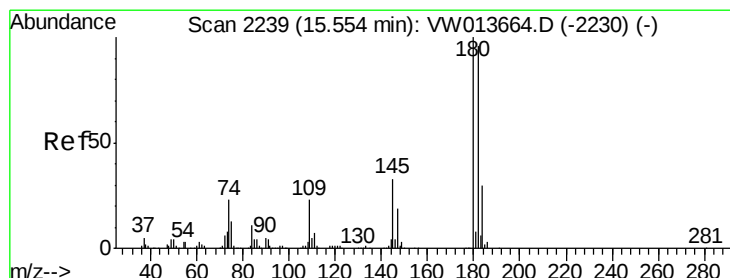
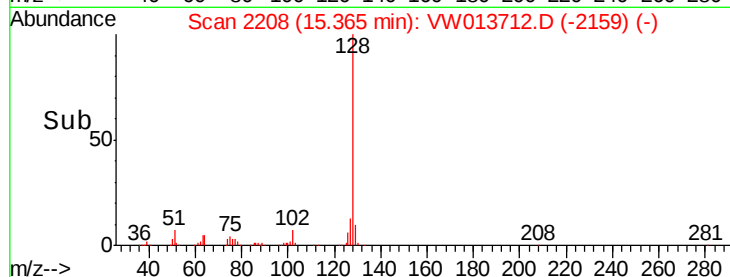
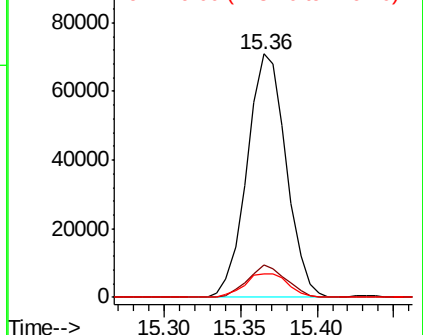
128 100

127 13.0 10.6 15.8

129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.564 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW013712.D

Acq: 24 Oct 2019 15:51

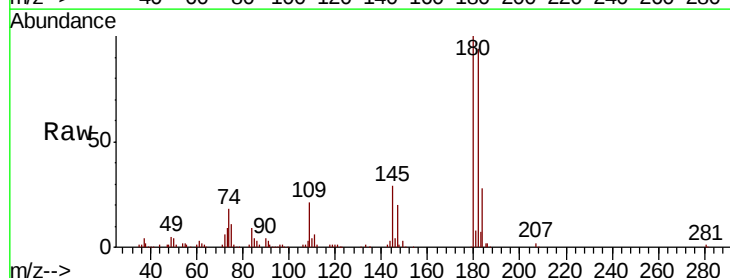
Tgt Ion:180 Resp: 72164

Ion Ratio Lower Upper

180 100

182 97.7 47.4 142.3

145 31.3 14.9 44.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

