

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101519\
 Data File : VW013575.D
 Acq On : 15 Oct 2019 10:18
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 15 13:46:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101019S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 15 02:01:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	488562	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	429513	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	221993	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	125982	22.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.12%
7) Chloroethane-d5	2.89	69	97298	22.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.64%
10) 1,1-Dichloroethene-d2	4.02	63	276106	23.79	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.16%
20) 2-Butanone-d5	7.08	46	79077	46.95	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.90%
24) Chloroform-d	7.65	84	259059	24.41	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.64%
26) 1,2-Dichloroethane-d4	8.31	65	130546	23.74	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.96%
29) Benzene-d6	8.27	84	549132	23.87	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.48%
33) 1,2-Dichloropropane-d6	9.27	67	163693	23.98	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.92%
37) Toluene-d8	10.32	98	512878	23.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.92%
38) trans-1,3-Dichloropropene-	10.58	79	71809	23.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.44%
39) 2-Hexanone-d5	10.93	63	62854	46.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.06%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	130418	23.83	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.32%
61) 1,2-Dichlorobenzene-d4	13.85	152	187028	23.44	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.76%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	68479	25.723	ug/L 98
3) Chloromethane	2.21	50	108165	23.124	ug/L 98
5) Vinyl chloride	2.36	62	161661	24.428	ug/L 98
6) Bromomethane	2.78	94	99139	24.457	ug/L 99
8) Chloroethane	2.92	64	93107	25.083	ug/L 97
9) Trichlorofluoromethane	3.26	101	85831	24.879	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	151927	24.813	ug/L 99
12) 1,1-Dichloroethene	4.04	96	155192	25.305	ug/L 97
13) Acetone	4.12	43	80005	41.329	ug/L 99
14) Carbon disulfide	4.38	76	457827	24.462	ug/L 100
15) Methyl Acetate	4.67	43	72640	24.056	ug/L 100
16) Methylene chloride	4.91	84	157764	21.319	ug/L 97
17) Methyl tert-butyl Ether	5.42	73	239326	24.283	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	159993	24.447	ug/L 99
19) 1,1-Dichloroethane	6.21	63	276303	25.146	ug/L 97
21) 2-Butanone	7.17	43	104427	44.096	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	171575	24.512	ug/L 99

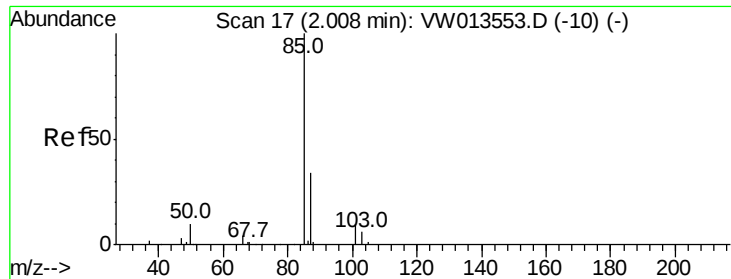
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV101519\
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 Quant Title : VOC Analysis
 QLast Update : Tue Oct 15 02:01:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	76854	24.521	ug/L	98
25) Chloroform	7.67	83	274397	25.314	ug/L	100
27) 1,2-Dichloroethane	8.40	62	171719	25.047	ug/L	99
30) Cyclohexane	7.95	56	274703	24.324	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	218614	25.271	ug/L	99
32) Carbon tetrachloride	8.07	117	208221	25.093	ug/L	98
34) Benzene	8.32	78	648046	24.975	ug/L	100
35) Trichloroethene	9.09	95	168425	24.884	ug/L	99
36) Methylcyclohexane	9.34	83	300008	24.374	ug/L	99
40) 1,2-Dichloropropane	9.37	63	155529	24.881	ug/L	99
41) Bromodichloromethane	9.65	83	197201	25.685	ug/L	96
42) cis-1,3-Dichloropropene	10.07	75	252351	25.164	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	202712	46.478	ug/L	99
44) Toluene	10.38	91	701521	24.947	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	201053	25.390	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	118388	24.950	ug/L	98
47) Tetrachloroethene	10.86	164	152615	24.740	ug/L	98
49) 2-Hexanone	10.97	43	152144	47.998	ug/L	99
50) Dibromochloromethane	11.13	129	142551	25.516	ug/L	98
51) 1,2-Dibromoethane	11.23	107	115673	24.816	ug/L	99
52) Chlorobenzene	11.66	112	444728	24.918	ug/L	99
53) Ethylbenzene	11.73	91	780624	25.078	ug/L	97
54) m,p-Xylene	11.84	106	300813	24.773	ug/L	99
55) o-xylene	12.16	106	285618	25.198	ug/L	95
56) Styrene	12.18	104	492259	25.500	ug/L	98
57) Isopropylbenzene	12.46	105	778037	25.303	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	138584	24.720	ug/L #	99
59) 1,2,3-Trichloropropane	12.77	75	102265	24.429	ug/L	97
62) Bromoform	12.35	173	88565	24.804	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	362249	24.352	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	352489	23.805	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	321797	24.059	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	21325	23.095	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	268821	23.943	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	221220	23.772	ug/L	98
69) Naphthalene	15.36	128	399818	23.588	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	196055	23.659	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 25.723 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW013575.D

Acq: 15 Oct 2019 10:18

Instrument :

MSVOA_W

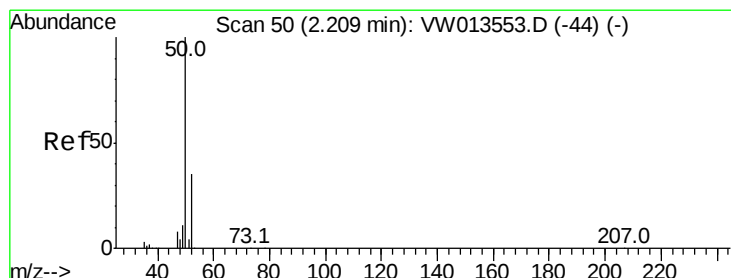
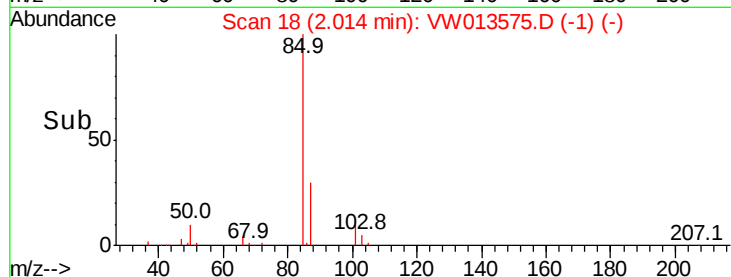
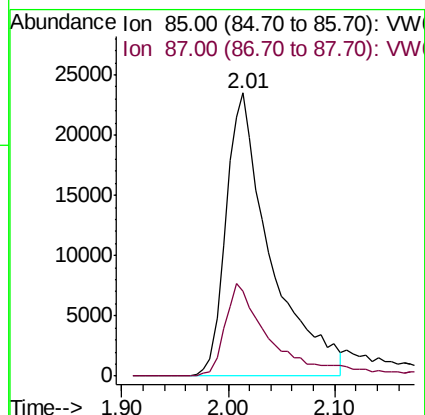
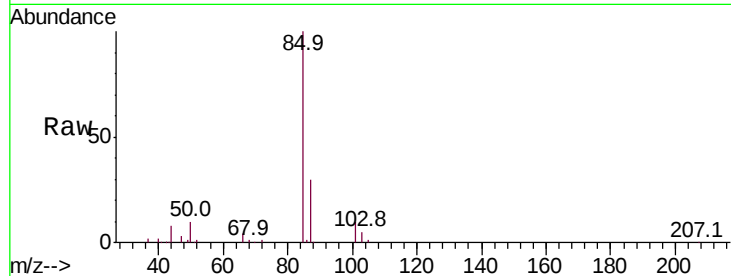
ClientSampled :

Tot Ion: 85 Resp: 68479

Ion Ratio Lower Upper

85 100

87 30.4 20.4 38.0



#3

Chloromethane

Concen: 23.124 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013575.D

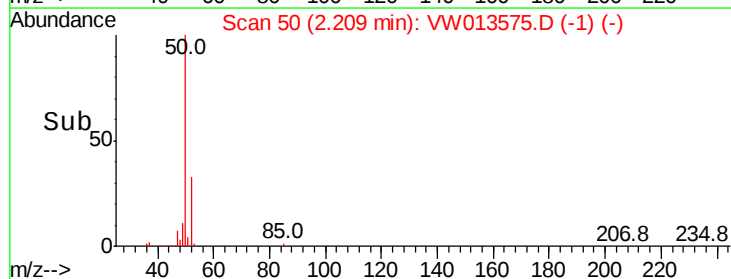
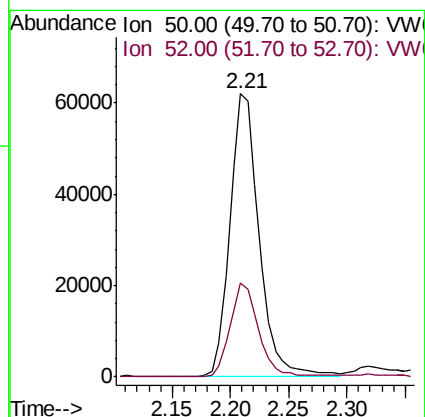
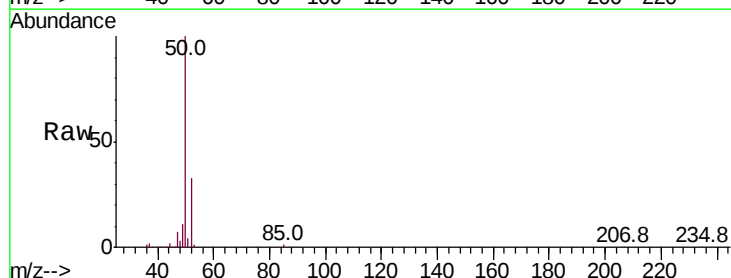
Acq: 15 Oct 2019 10:18

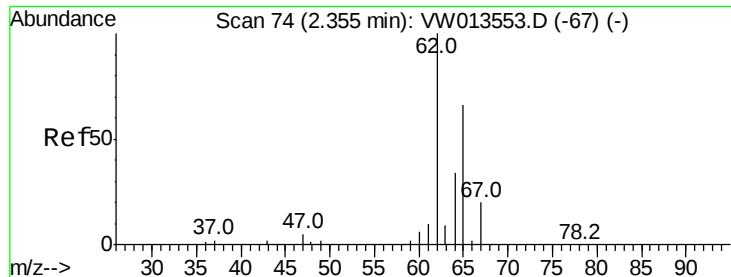
Tgt Ion: 50 Resp: 108165

Ion Ratio Lower Upper

50 100

52 33.3 22.6 42.0





#5

Vinyl chloride

Concen: 24.428 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW013575.D

Acq: 15 Oct 2019 10:18

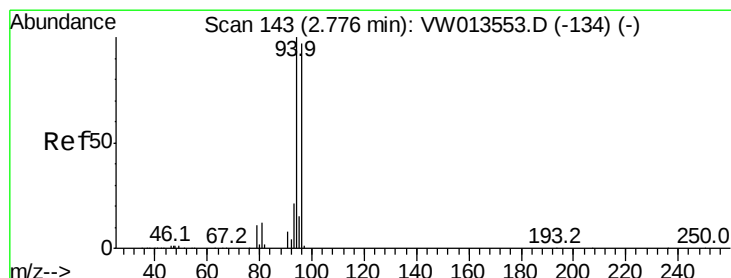
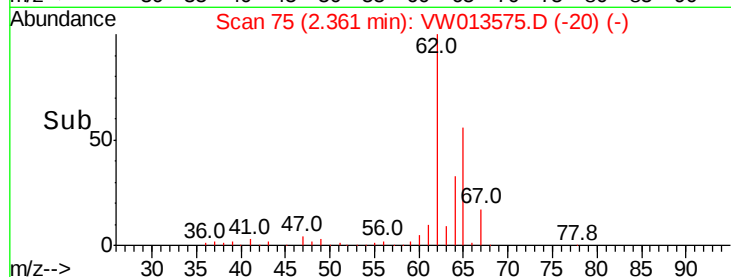
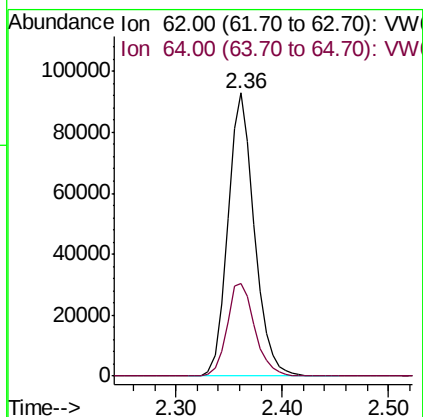
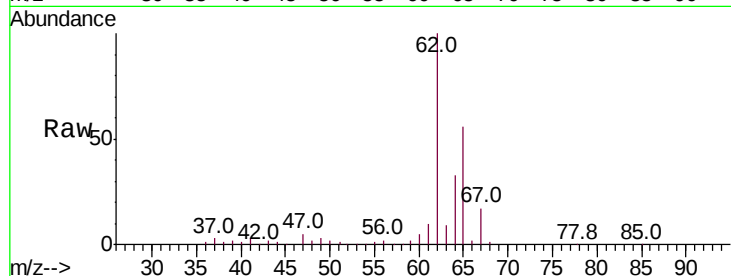
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 62 Resp: 161661

Ion Ratio Lower Upper

62 100

64 32.9 23.9 44.3



#6

Bromomethane

Concen: 24.457 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW013575.D

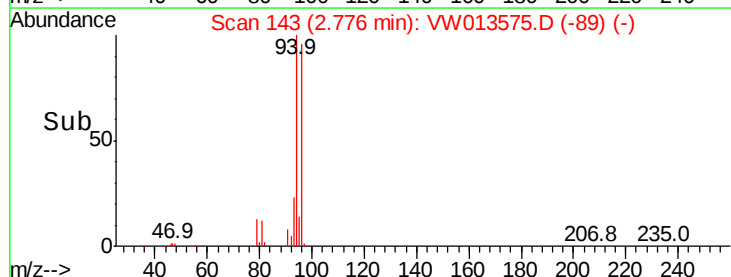
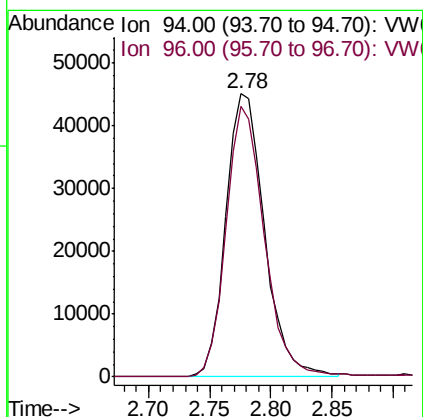
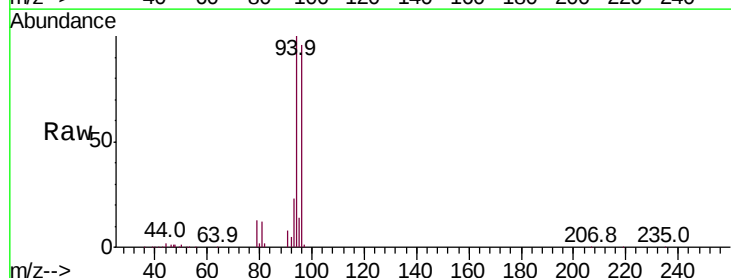
Acq: 15 Oct 2019 10:18

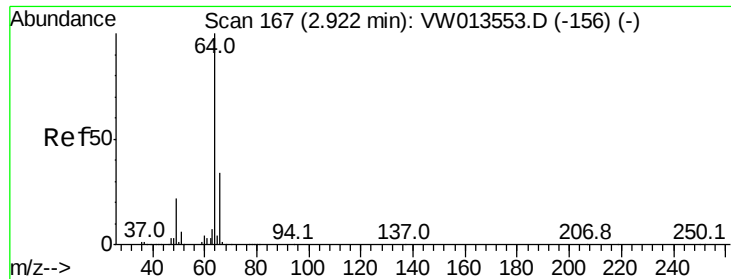
Tgt Ion: 94 Resp: 99139

Ion Ratio Lower Upper

94 100

96 93.8 9.5 179.9





#8

Chloroethane

Concen: 25.083 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW013575.D

Acq: 15 Oct 2019 10:18

Instrument :

MSVOA_W

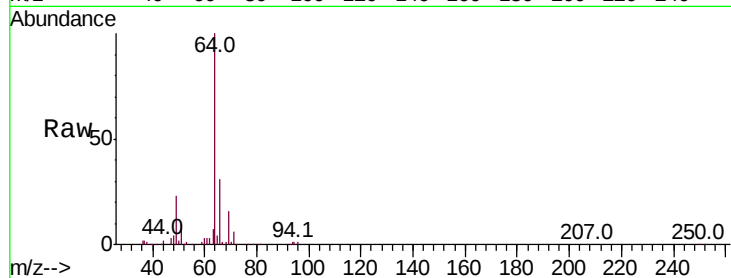
ClientSampleId :

Tot Ion: 64 Resp: 93107

Ion Ratio Lower Upper

64 100

66 31.5 23.2 43.0



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW

2.92

40000

30000

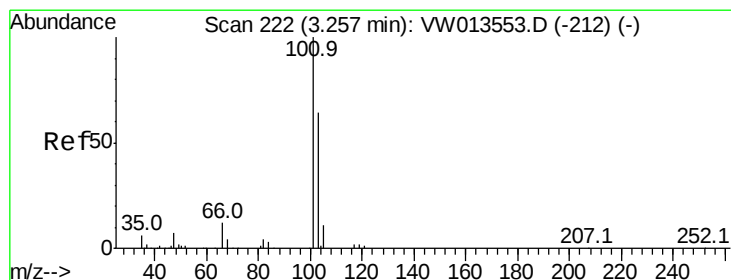
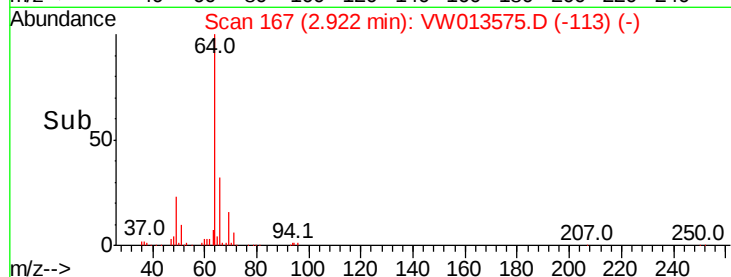
20000

10000

0

2.80 2.90 3.00 3.10

Time-->



#9

Trichlorofluoromethane

Concen: 24.879 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW013575.D

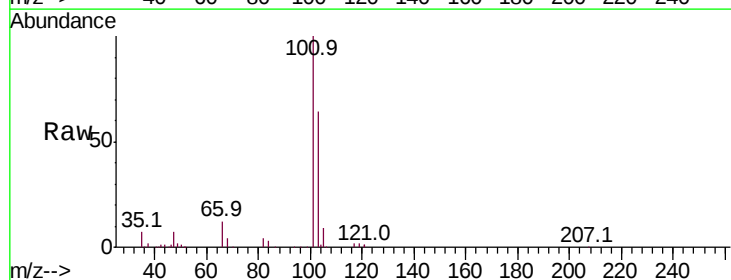
Acq: 15 Oct 2019 10:18

Tgt Ion: 101 Resp: 85831

Ion Ratio Lower Upper

101 100

103 65.3 46.0 85.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

3.26

40000

30000

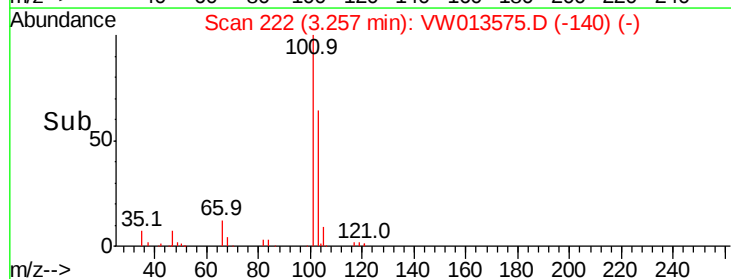
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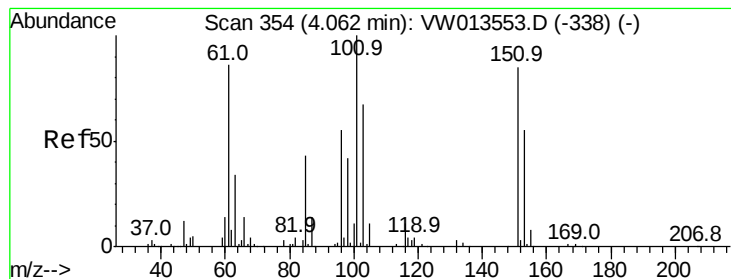
10000

0

3.20 3.30 3.40

Time-->





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 24.813 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW013575.D

Acq: 15 Oct 2019 10:18

Instrument :

MSVOA_W

ClientSampleId :

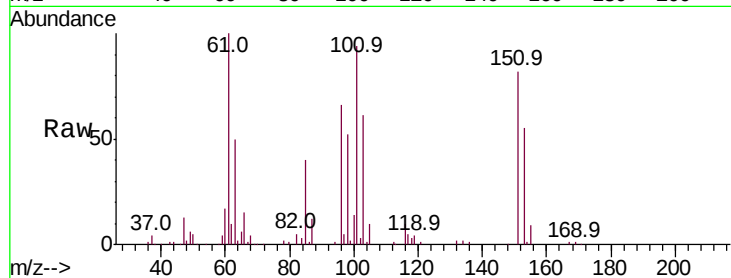
Tot Ion:101 Resp: 151927

Ion Ratio Lower Upper

101 100

85 40.3 32.0 48.0

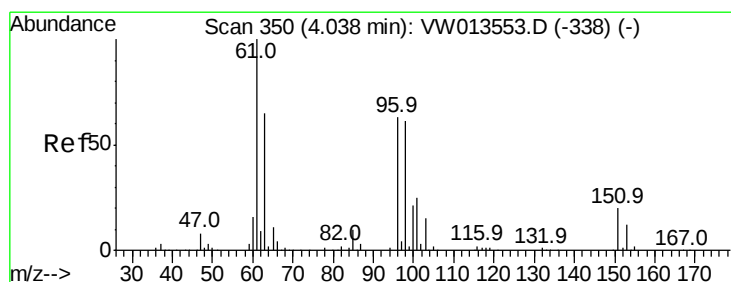
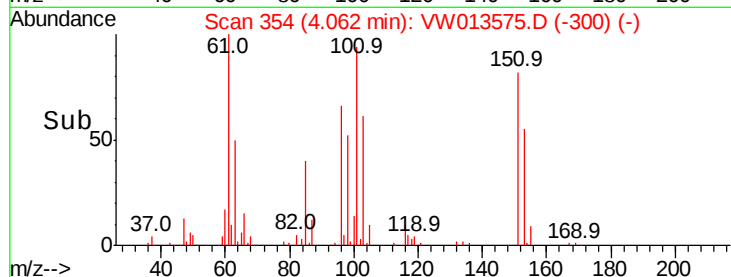
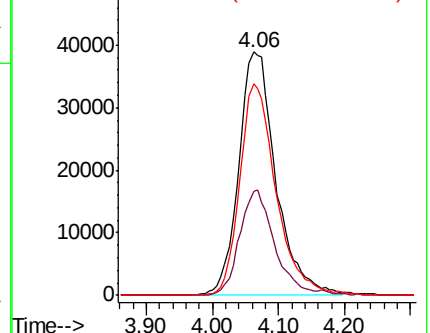
151 84.3 67.0 100.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 25.305 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW013575.D

Acq: 15 Oct 2019 10:18

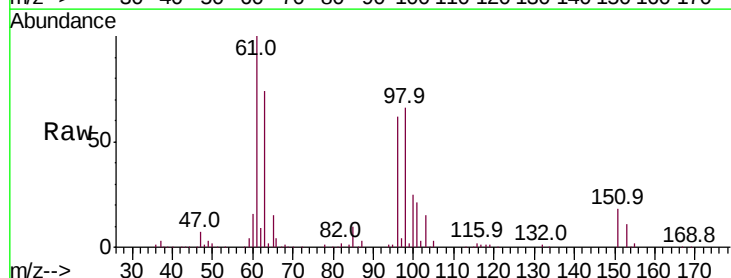
Tgt Ion: 96 Resp: 155192

Ion Ratio Lower Upper

96 100

61 161.6 111.0 206.2

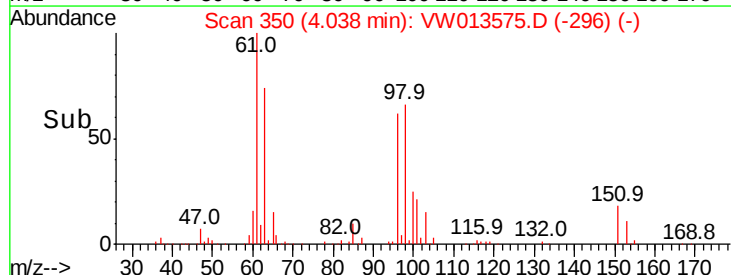
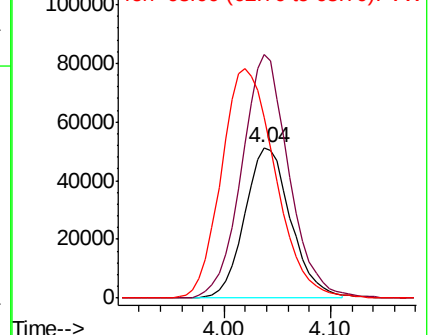
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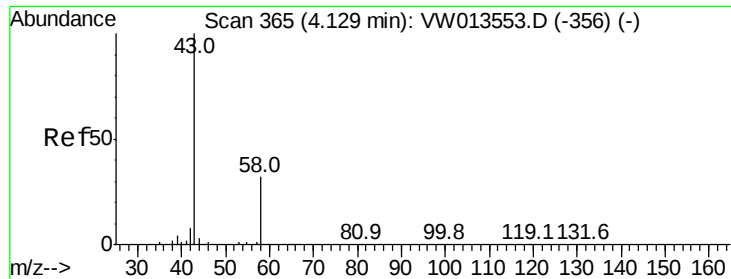


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 41.329 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW013575.D

Acq: 15 Oct 2019 10:18

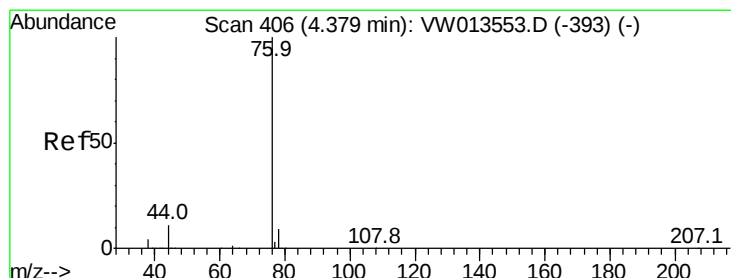
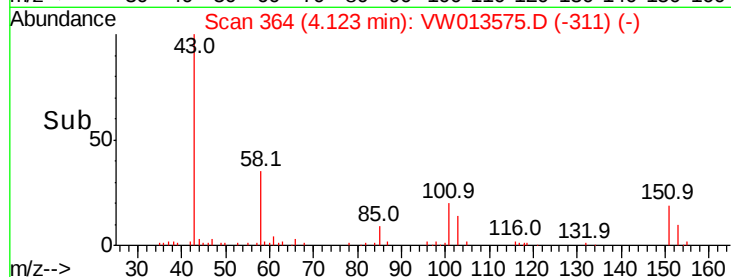
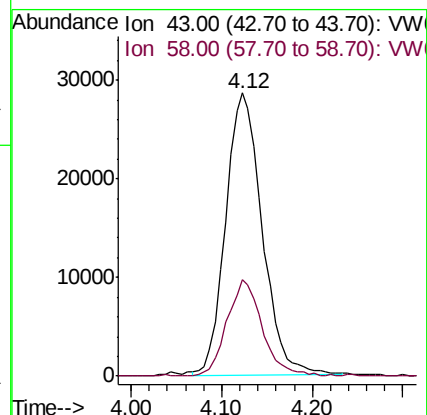
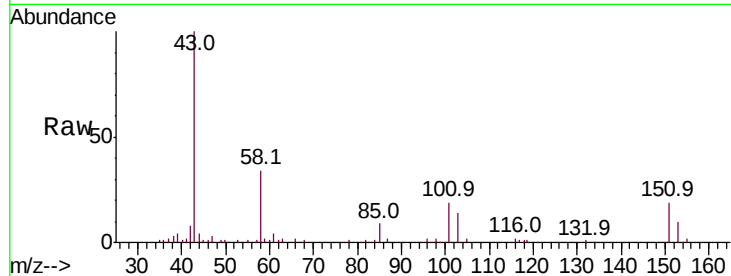
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 80005

Ion Ratio Lower Upper

43 100

58 33.2 0.0 67.8



#14

Carbon disulfide

Concen: 24.462 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW013575.D

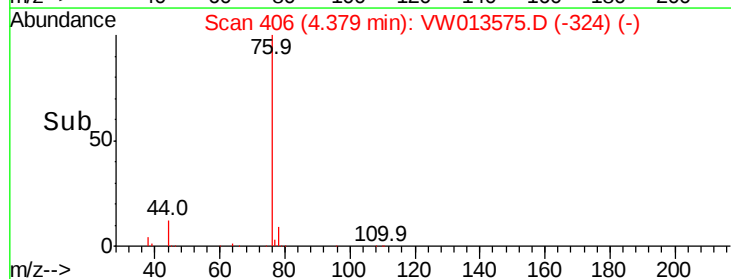
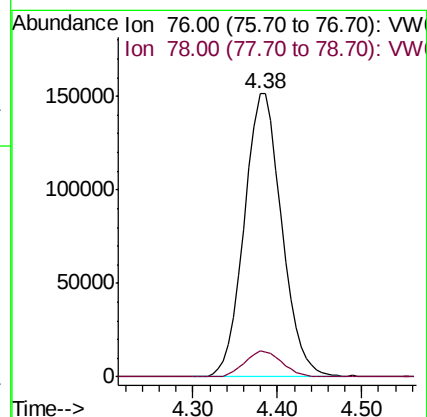
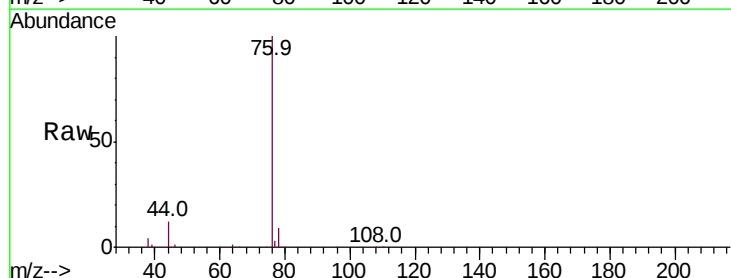
Acq: 15 Oct 2019 10:18

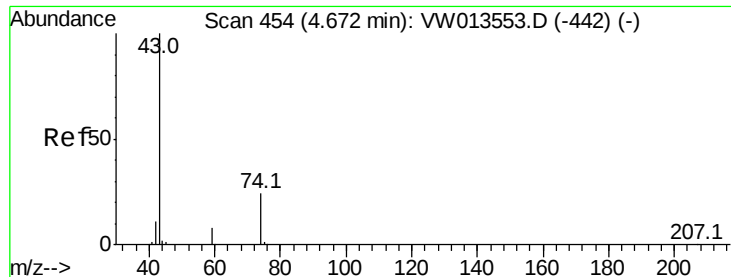
Tgt Ion: 76 Resp: 457827

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7

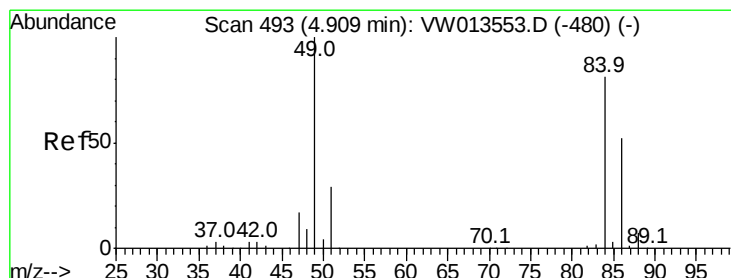
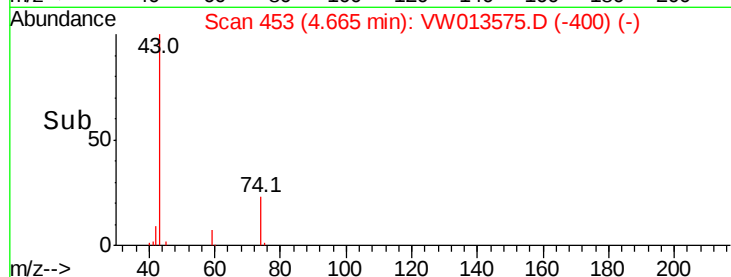
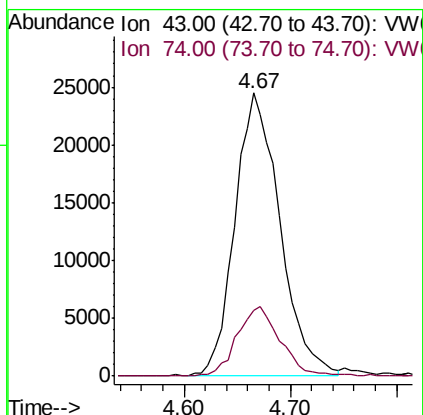
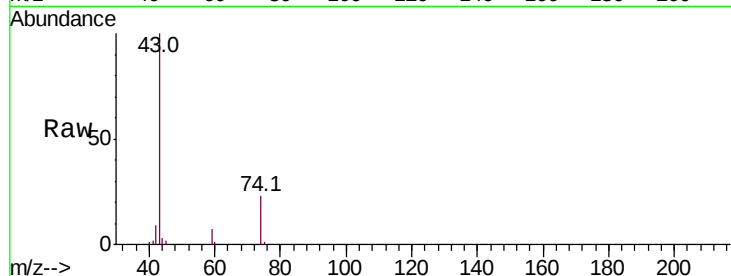




#15
Methyl Acetate
Concen: 24.056 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW013575.D
Acq: 15 Oct 2019 10:18

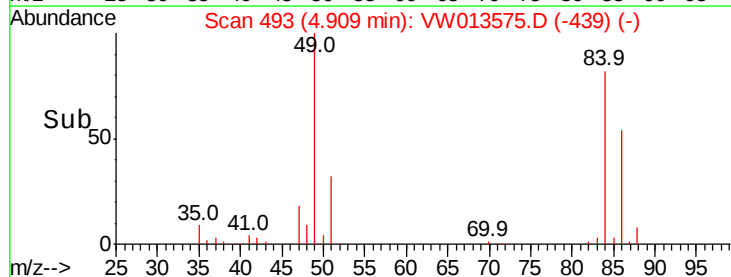
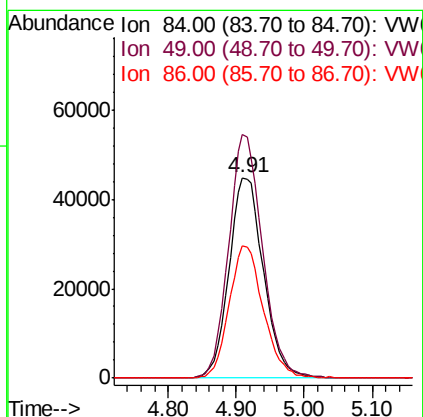
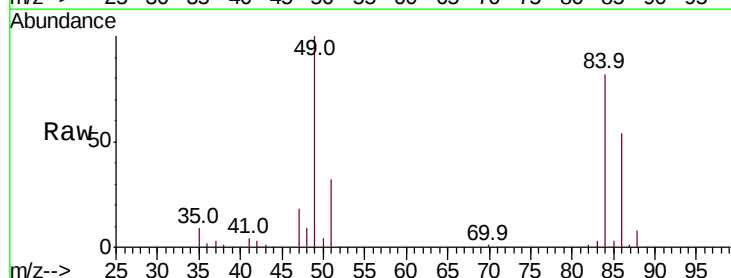
Instrument :
MSVOA_W
ClientSampled :

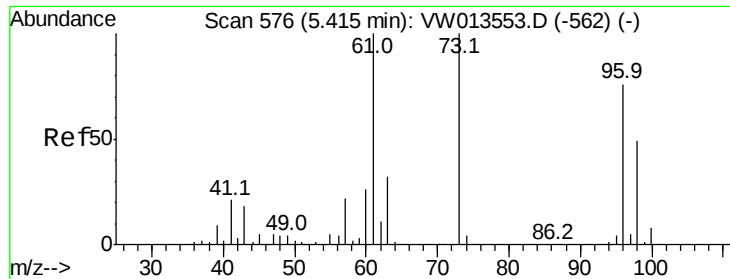
Tot Ion: 43 Resp: 72640
Ion Ratio Lower Upper
43 100
74 23.6 18.7 28.1



#16
Methylene chloride
Concen: 21.319 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW013575.D
Acq: 15 Oct 2019 10:18

Tgt Ion: 84 Resp: 157764
Ion Ratio Lower Upper
84 100
49 121.4 81.3 151.1
86 66.0 46.3 86.1

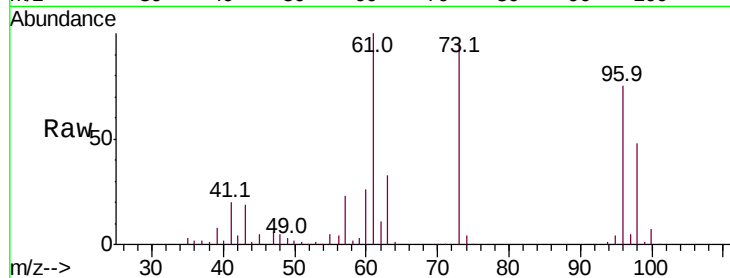




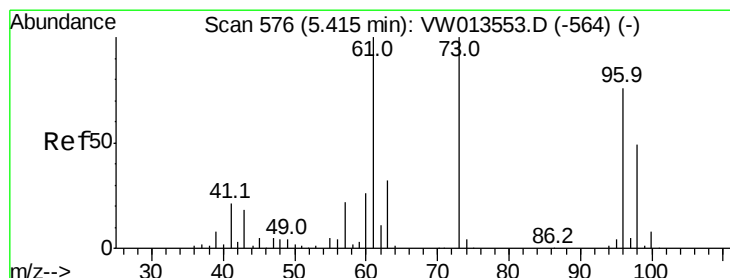
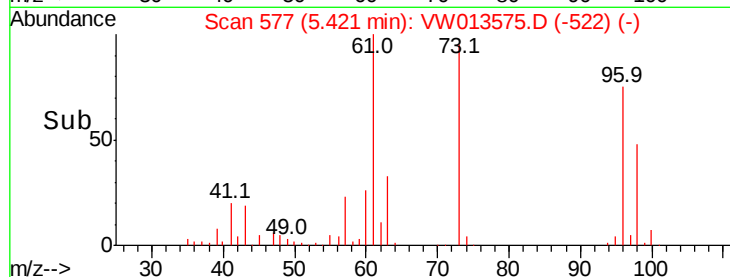
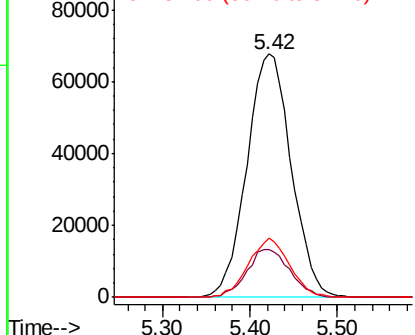
#17
Methvl tert-butvl Ether
Concen: 24.283 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW013575.D
Acq: 15 Oct 2019 10:18

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 73 Resp: 239326
Ion Ratio Lower Upper
73 100
43 19.2 15.0 22.4
57 22.5 18.1 27.1

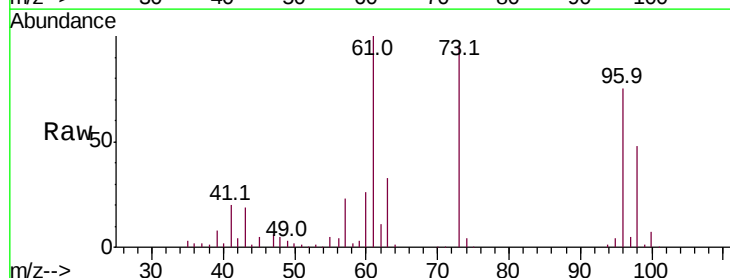


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

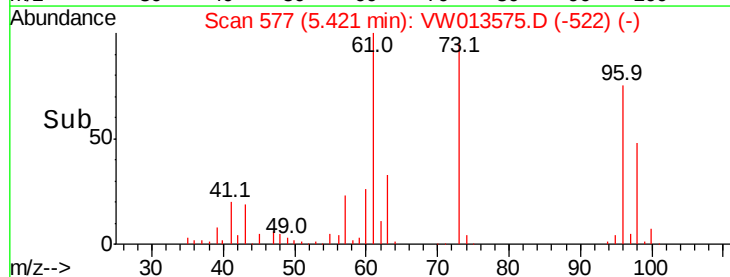
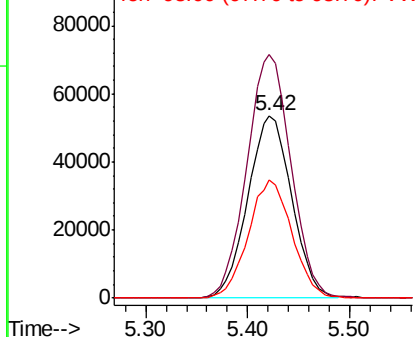


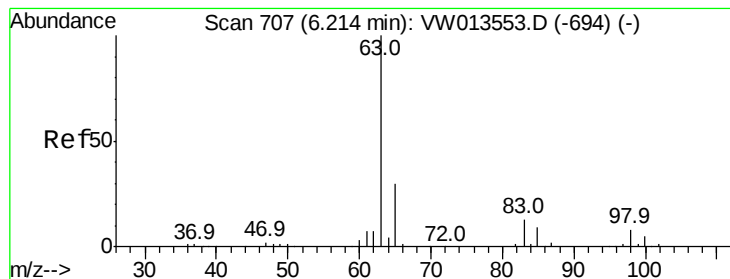
#18
trans-1,2-Dichloroethene
Concen: 24.447 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW013575.D
Acq: 15 Oct 2019 10:18

Tgt Ion: 96 Resp: 159993
Ion Ratio Lower Upper
96 100
61 133.2 93.7 173.9
98 64.3 46.1 85.7



Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW





#19

1,1-Dichloroethane

Concen: 25.146 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013575.D

Acq: 15 Oct 2019 10:18

Instrument :

MSVOA_W

ClientSampleId :

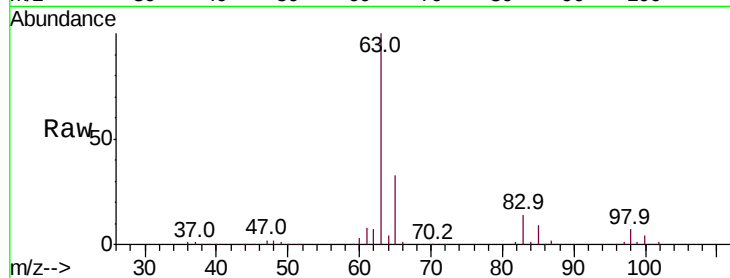
Tot Ion: 63 Resp: 276303

Ion Ratio Lower Upper

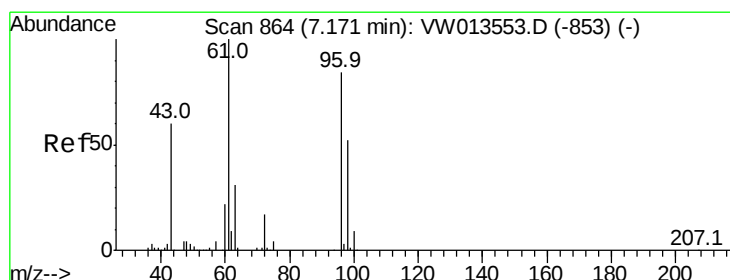
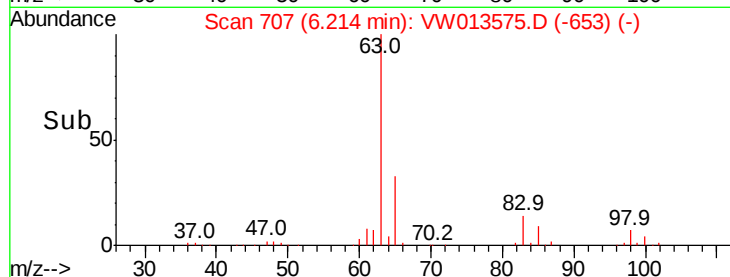
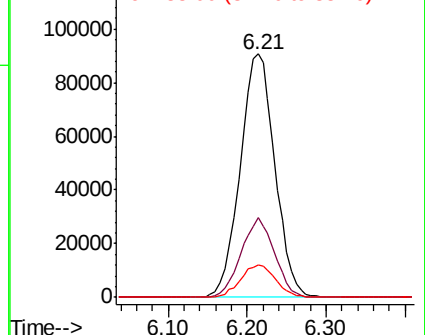
63 100

65 32.7 21.6 40.0

83 13.6 9.0 16.6



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 65.00 (64.70 to 65.70): VW
Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 44.096 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW013575.D

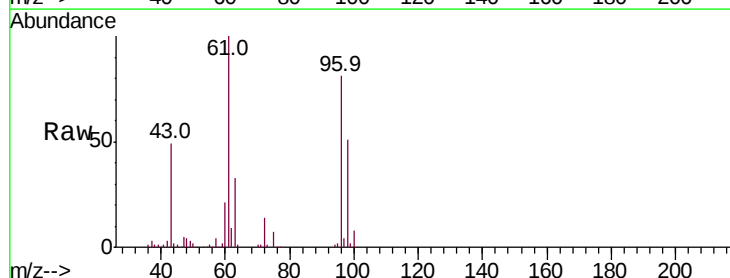
Acq: 15 Oct 2019 10:18

Tgt Ion: 43 Resp: 104427

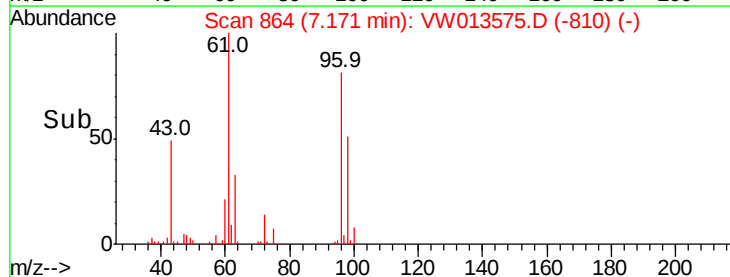
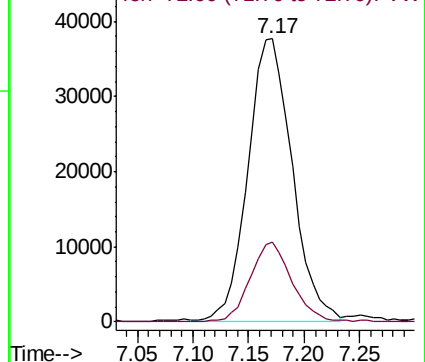
Ion Ratio Lower Upper

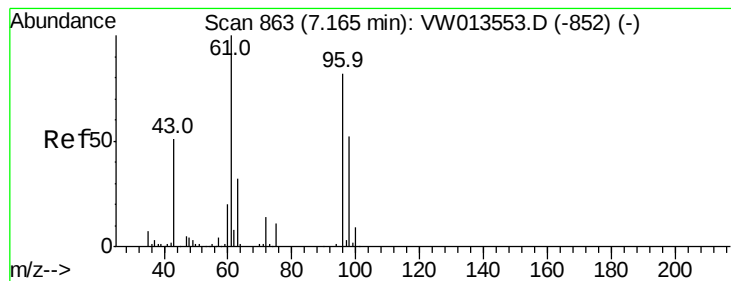
43 100

72 26.5 13.5 40.4



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



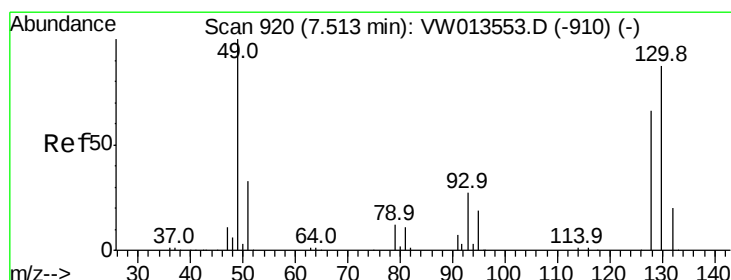
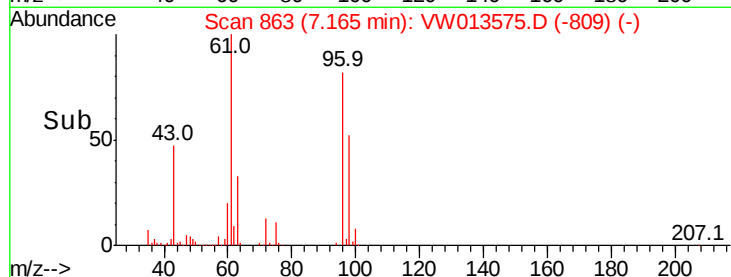
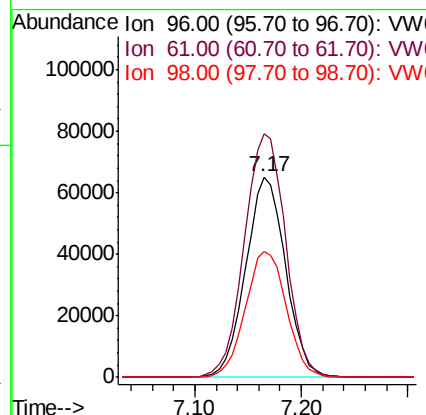
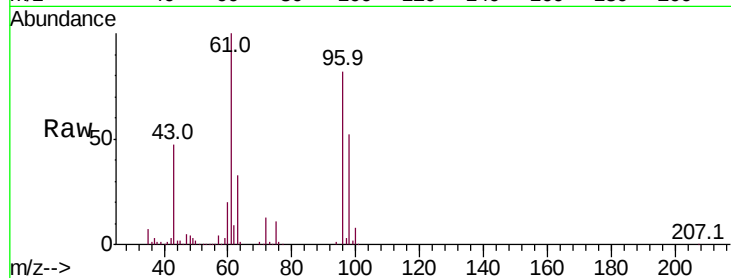


#22

cis-1,2-Dichloroethene
Concen: 24.512 ug/L
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013575.D
Acq: 15 Oct 2019 10:18

Instrument :
MSVOA_W
ClientSampled :

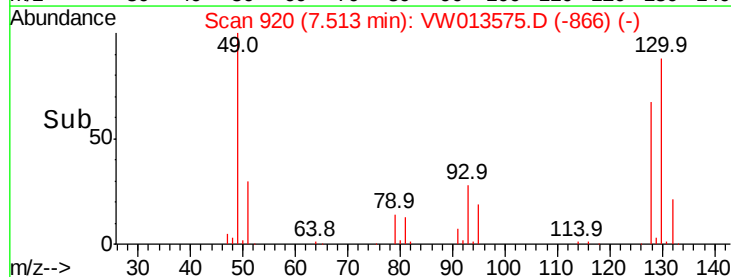
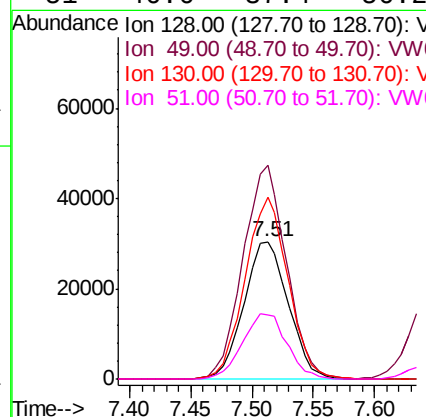
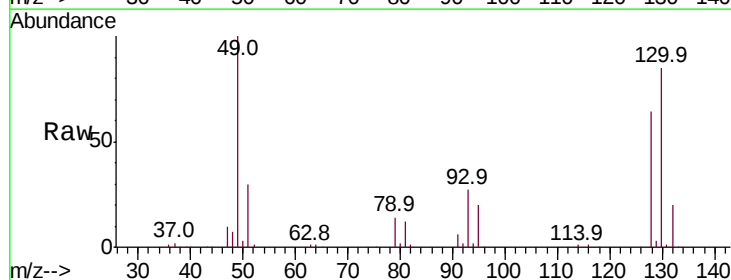
Tot Ion: 96 Resp: 171575
Ion Ratio Lower Upper
96 100
61 121.7 86.0 159.8
98 62.9 44.4 82.5

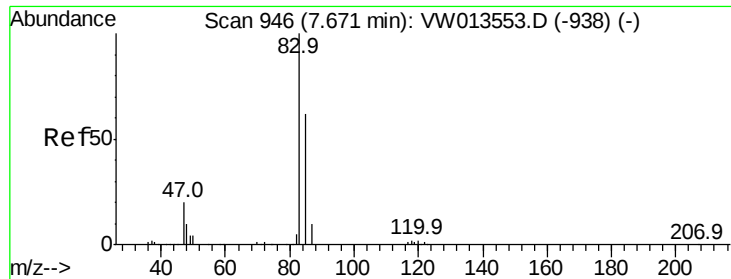


#23

Bromochloromethane
Concen: 24.521 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW013575.D
Acq: 15 Oct 2019 10:18

Tgt Ion: 128 Resp: 76854
Ion Ratio Lower Upper
128 100
49 155.4 108.0 200.6
130 132.6 89.4 166.0
51 46.6 37.4 56.2





#25

Chloroform

Concen: 25.314 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW013575.D

Acq: 15 Oct 2019 10:18

Instrument :

MSVOA_W

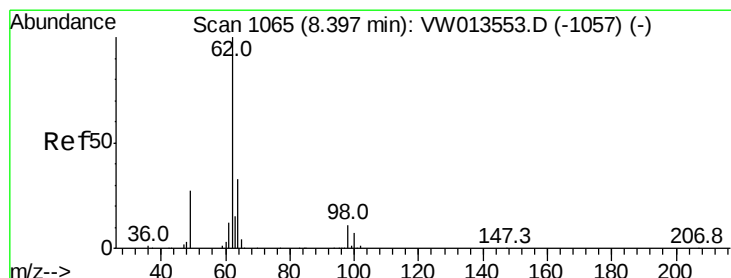
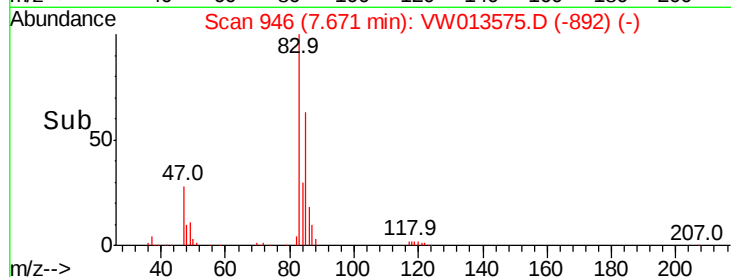
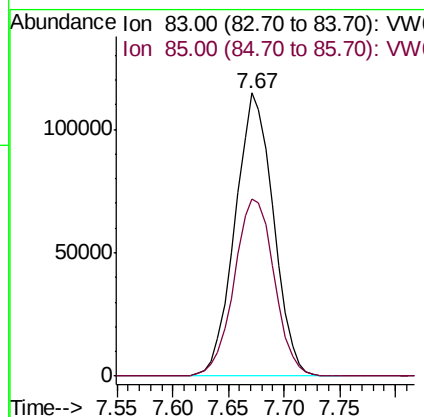
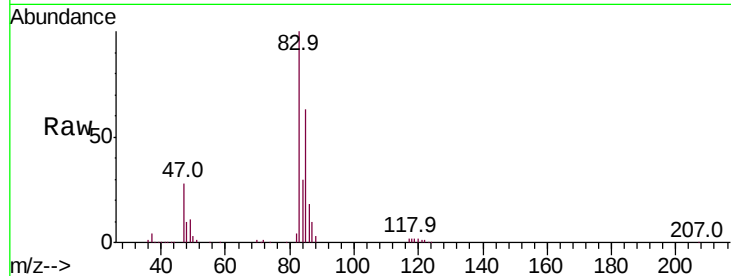
ClientSampleId :

Tot Ion: 83 Resp: 274397

Ion Ratio Lower Upper

83 100

85 65.6 46.1 85.5



#27

1,2-Dichloroethane

Concen: 25.047 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW013575.D

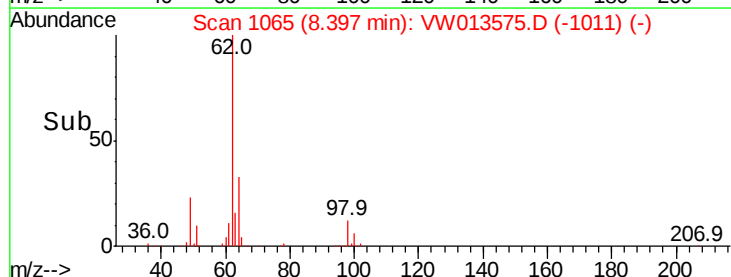
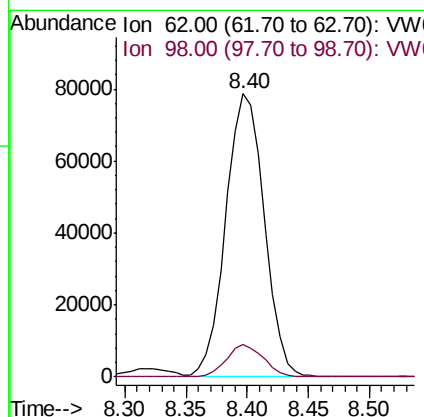
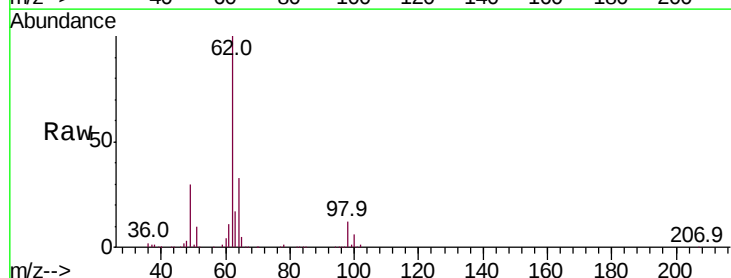
Acq: 15 Oct 2019 10:18

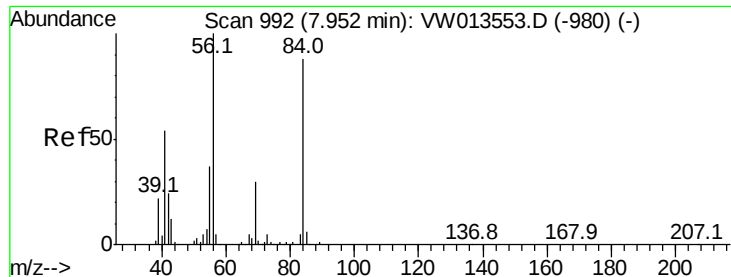
Tgt Ion: 62 Resp: 171719

Ion Ratio Lower Upper

62 100

98 11.6 9.0 13.4

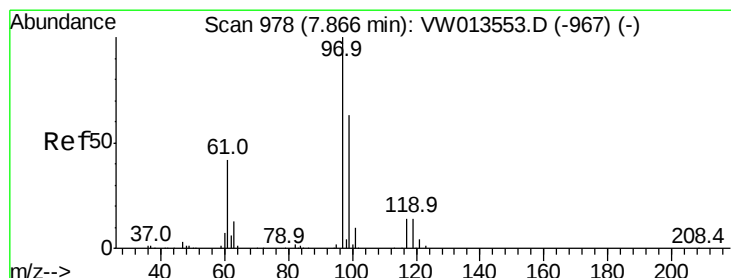
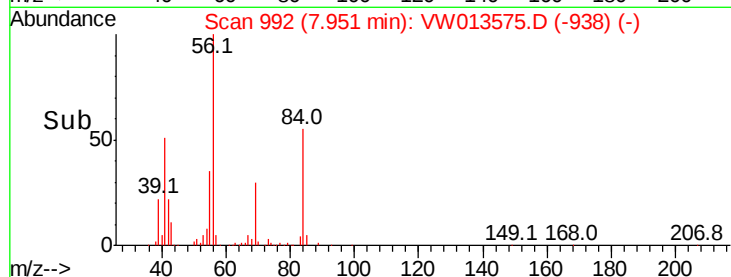
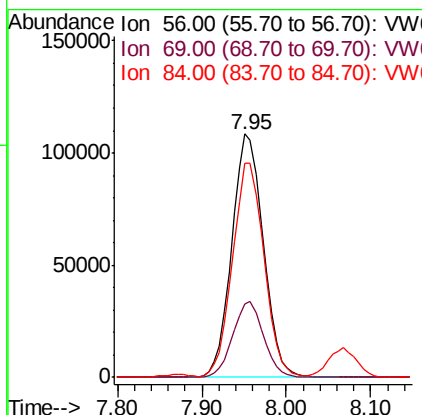
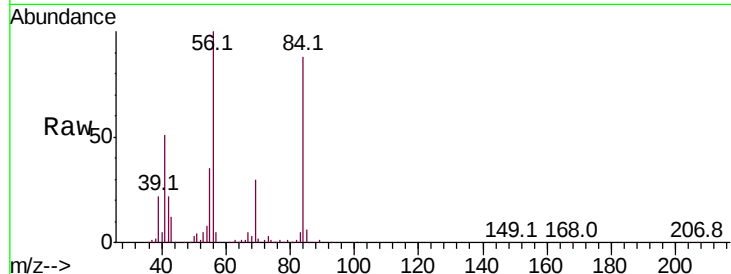




#30
Cyclohexane
Concen: 24.324 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW013575.D
Acq: 15 Oct 2019 10:18

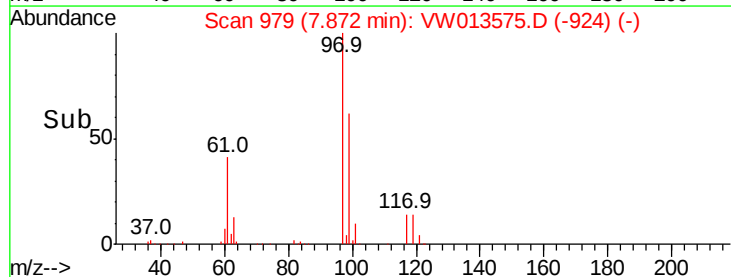
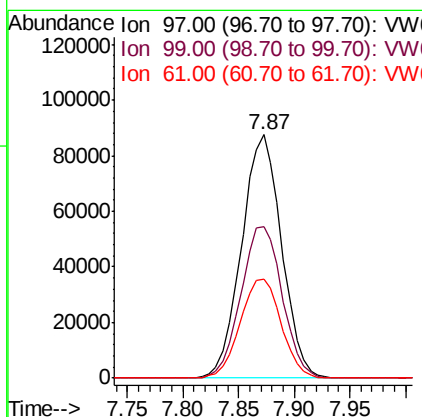
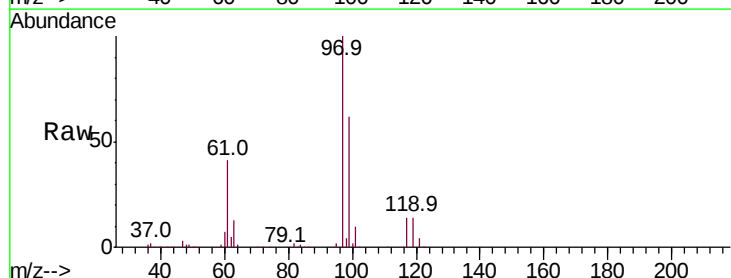
Instrument :
MSVOA_W
ClientSampleId :

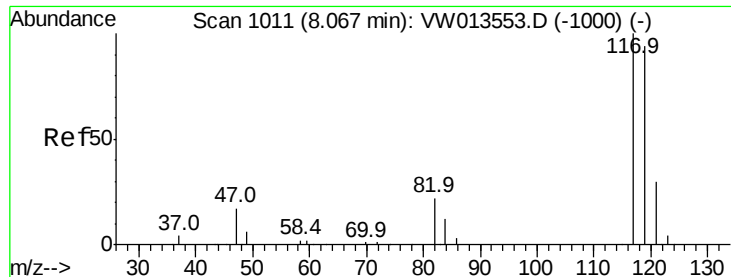
Tot Ion: 56 Resp: 274703
Ion Ratio Lower Upper
56 100
69 30.4 24.7 37.1
84 88.2 70.4 105.6



#31
1,1,1-Trichloroethane
Concen: 25.271 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW013575.D
Acq: 15 Oct 2019 10:18

Tgt Ion: 97 Resp: 218614
Ion Ratio Lower Upper
97 100
99 64.3 51.8 77.8
61 41.8 33.7 50.5





#32

Carbon tetrachloride

Concen: 25.093 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW013575.D

Acq: 15 Oct 2019 10:18

Instrument :

MSVOA_W

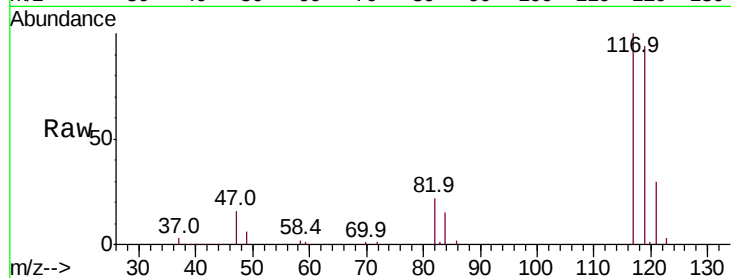
ClientSampleId :

Tot Ion:117 Resp: 208221

Ion Ratio Lower Upper

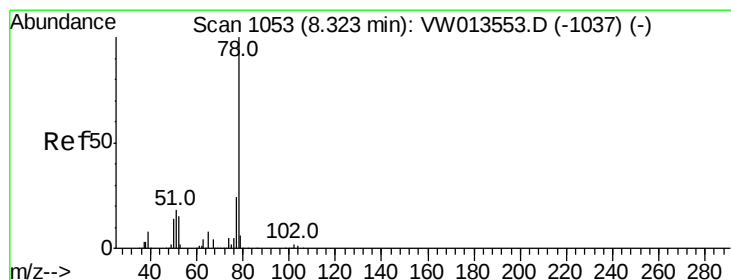
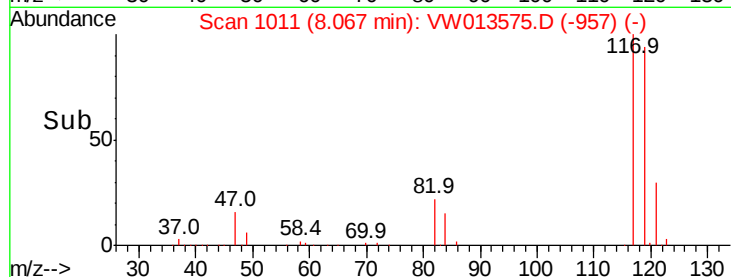
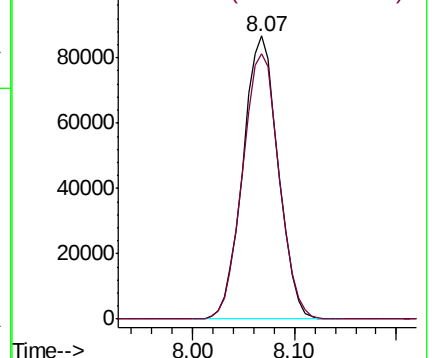
117 100

119 97.1 76.1 114.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.975 ug/L

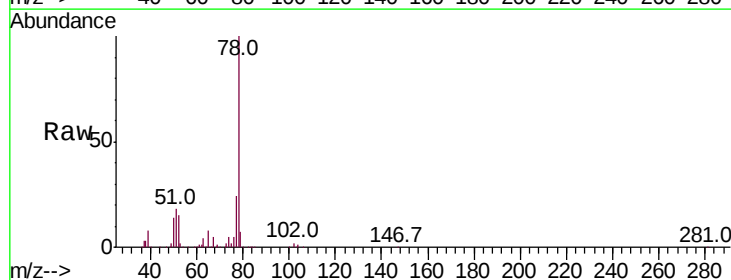
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

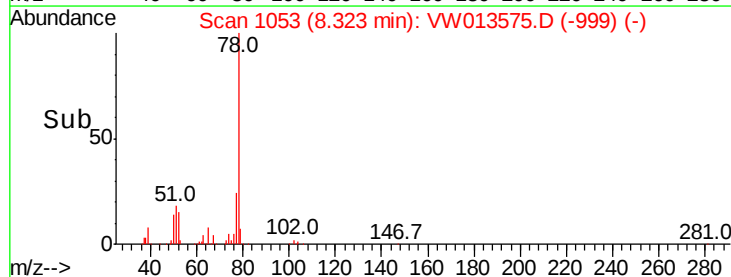
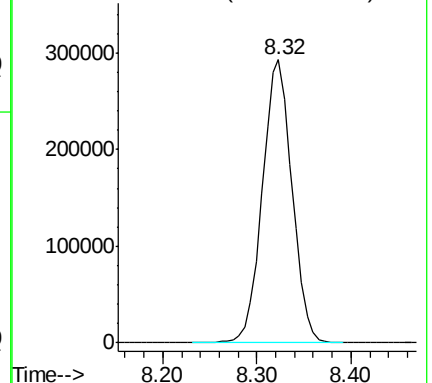
Lab File: VW013575.D

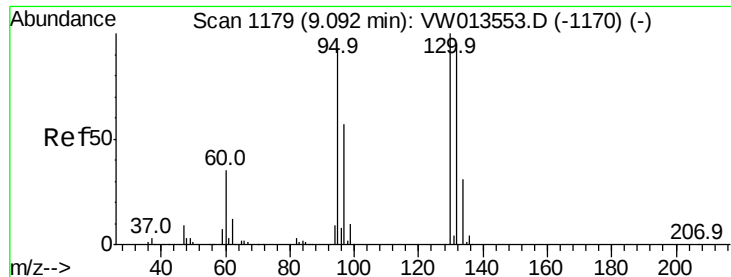
Acq: 15 Oct 2019 10:18

Tgt Ion: 78 Resp: 648046



Abundance Ion 78.00 (77.70 to 78.70): VW

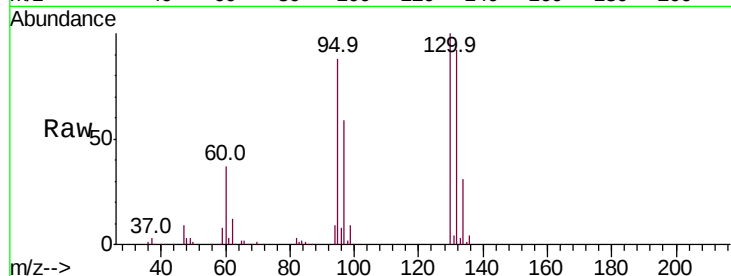




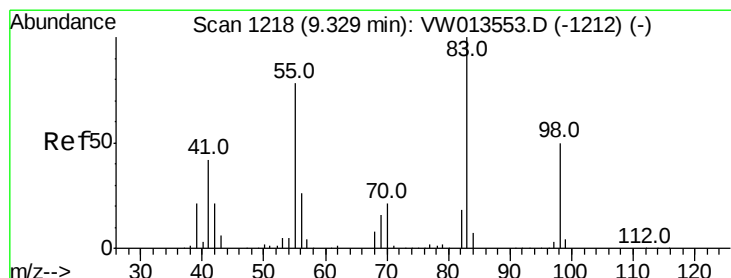
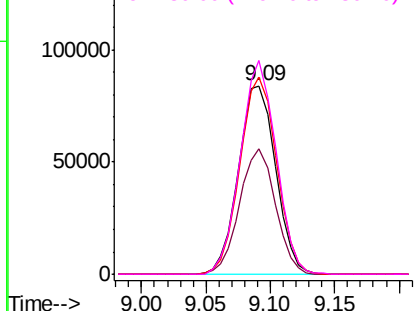
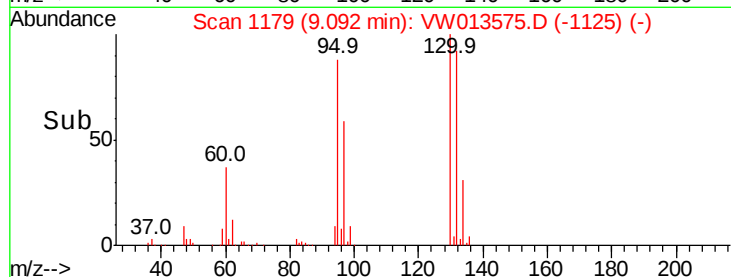
#35
 Trichloroethene
 Concen: 24.884 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW013575.D
 Acq: 15 Oct 2019 10:18

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 95 Resp: 168425
 Ion Ratio Lower Upper
 95 100
 97 64.4 45.1 83.7
 132 103.0 73.6 136.8
 130 108.5 76.3 141.7

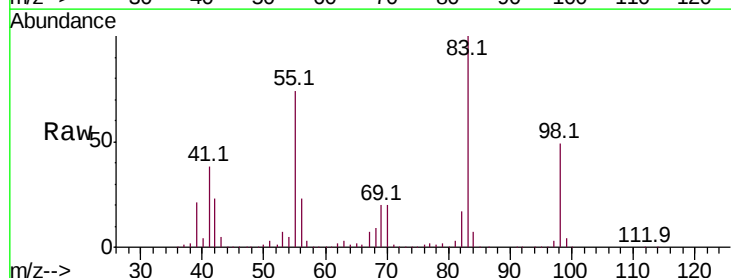


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

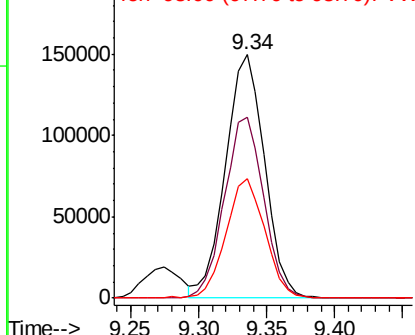
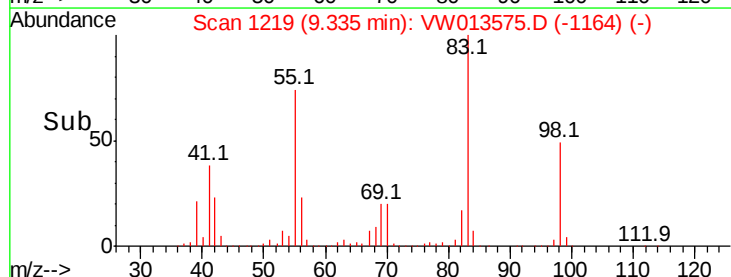


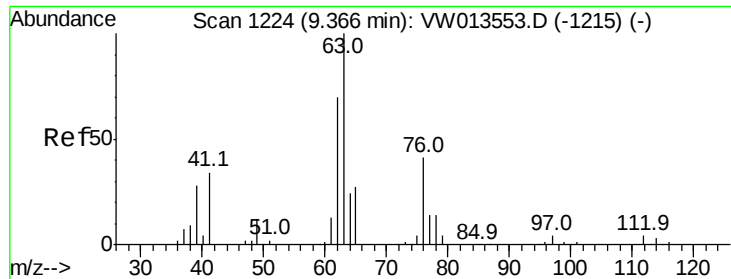
#36
 Methylcyclohexane
 Concen: 24.374 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VW013575.D
 Acq: 15 Oct 2019 10:18

Tgt Ion: 83 Resp: 300008
 Ion Ratio Lower Upper
 83 100
 55 74.6 60.4 90.6
 98 48.9 39.3 58.9



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

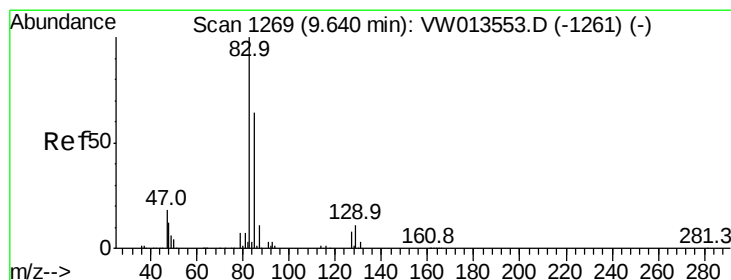
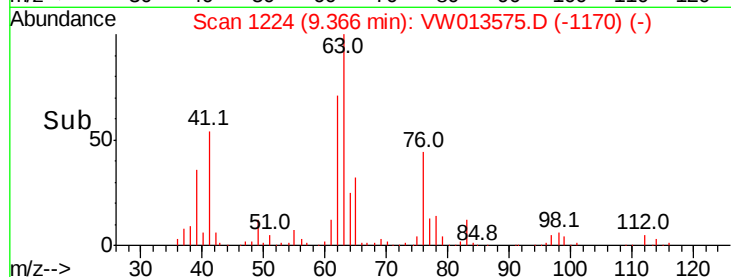
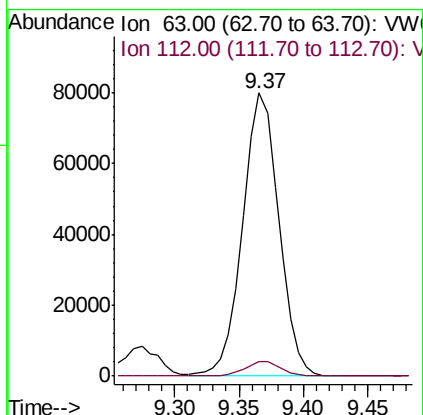
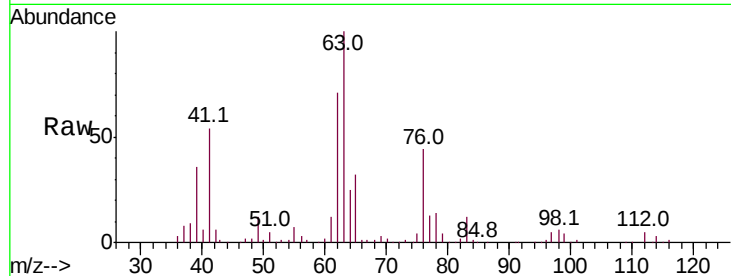




#40
 1,2-Dichloropropane
 Concen: 24.881 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013575.D
 Acq: 15 Oct 2019 10:18

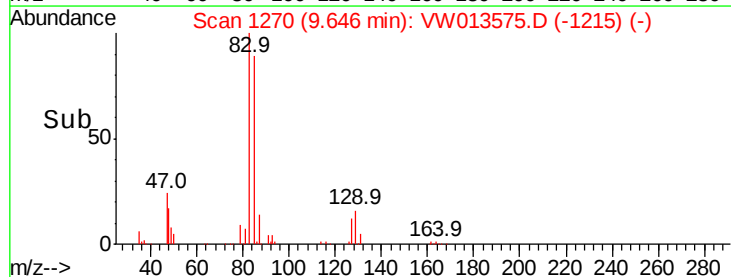
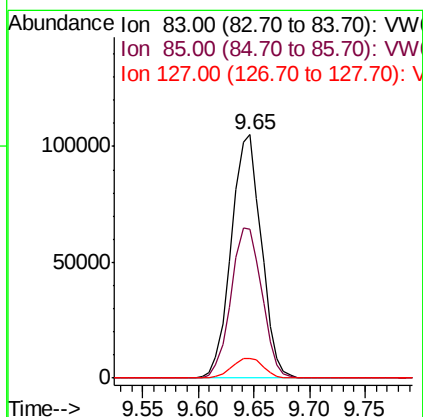
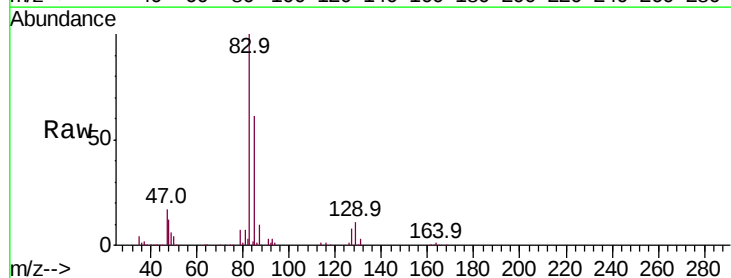
Instrument :
 MSVOA_W
 ClientSampled :

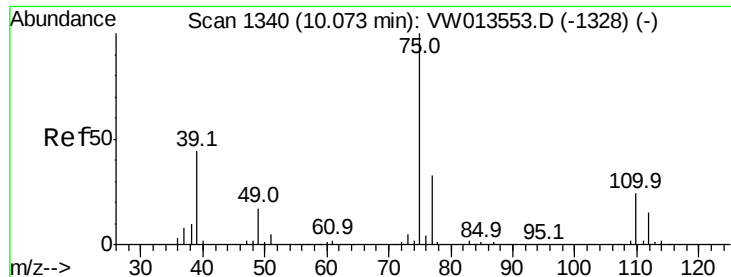
Tot Ion: 63 Resp: 155529
 Ion Ratio Lower Upper
 63 100
 112 5.2 3.8 5.8



#41
 Bromodichloromethane
 Concen: 25.685 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VW013575.D
 Acq: 15 Oct 2019 10:18

Tgt Ion: 83 Resp: 197201
 Ion Ratio Lower Upper
 83 100
 85 61.1 45.1 83.9
 127 8.2 7.1 10.7





#42

cis-1,3-Dichloropropene

Concen: 25.164 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013575.D

Acq: 15 Oct 2019 10:18

Instrument :

MSVOA_W

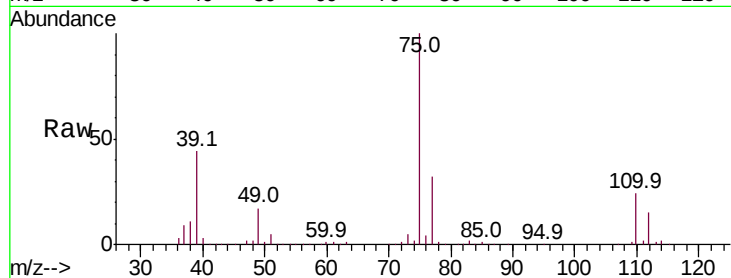
ClientSampled :

Tot Ion: 75 Resp: 252351

Ion Ratio Lower Upper

75 100

77 31.6 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

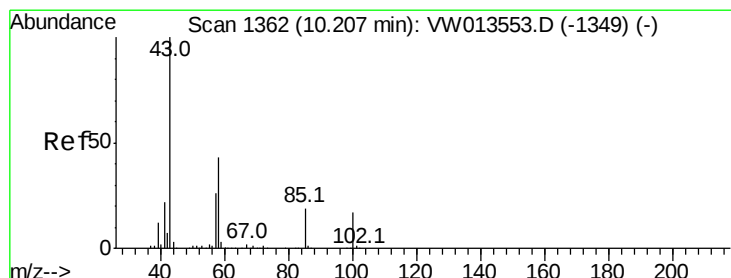
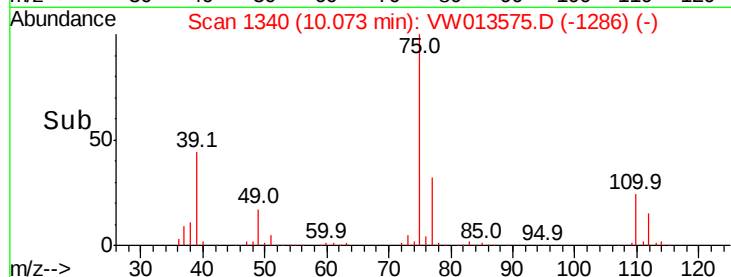
150000

100000

50000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 46.478 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013575.D

Acq: 15 Oct 2019 10:18

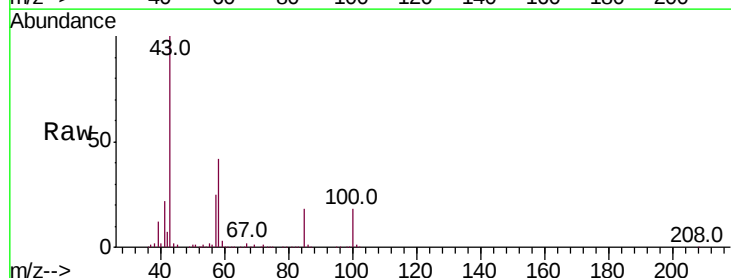
Tgt Ion: 43 Resp: 202712

Ion Ratio Lower Upper

43 100

58 40.6 32.0 48.0

100 17.3 13.7 20.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW

250000

200000

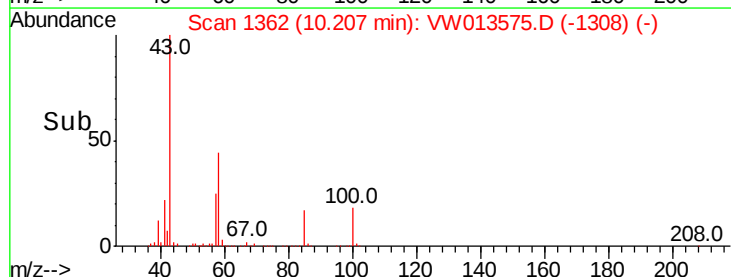
150000

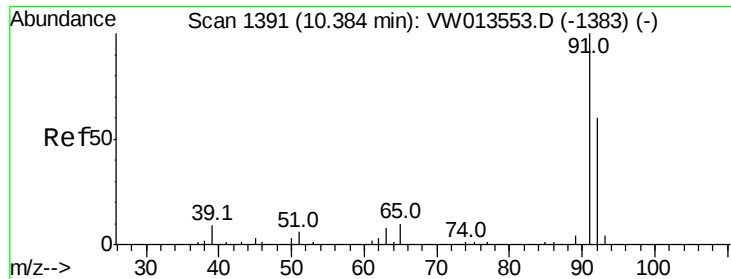
100000

50000

0

Time-->





#44

Toluene

Concen: 24.947 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013575.D

Acq: 15 Oct 2019 10:18

Instrument :

MSVOA_W

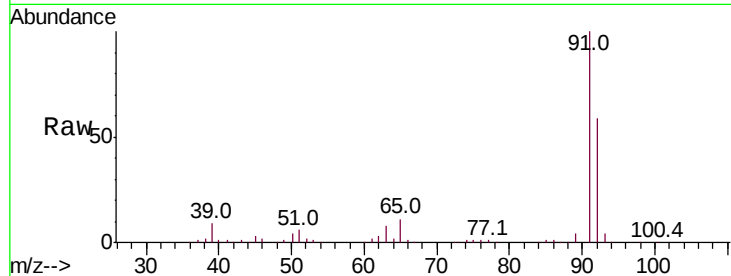
ClientSampled :

Tot Ion: 91 Resp: 701521

Ion Ratio Lower Upper

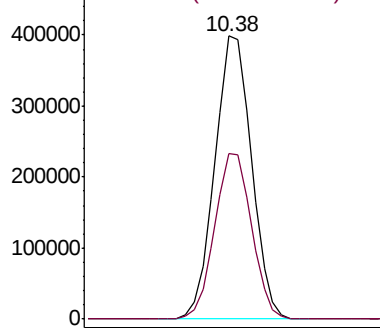
91 100

92 58.6 40.0 74.4

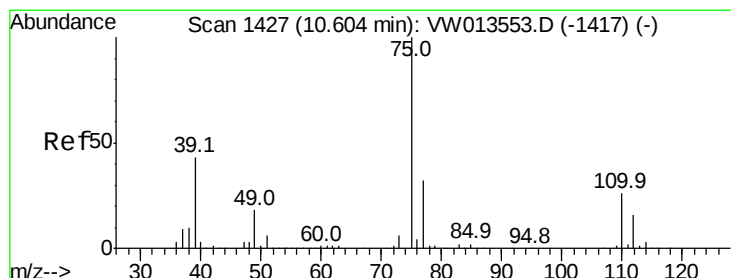
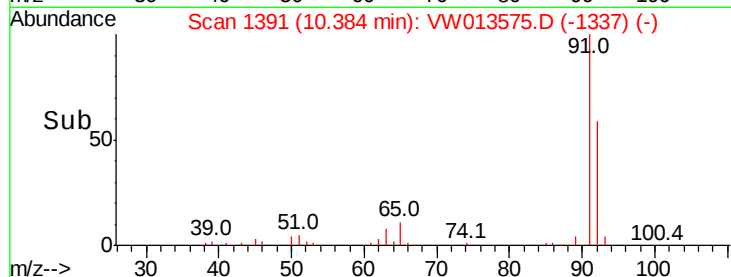


Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



Time-->



#45

trans-1,3-Dichloropropene

Concen: 25.390 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013575.D

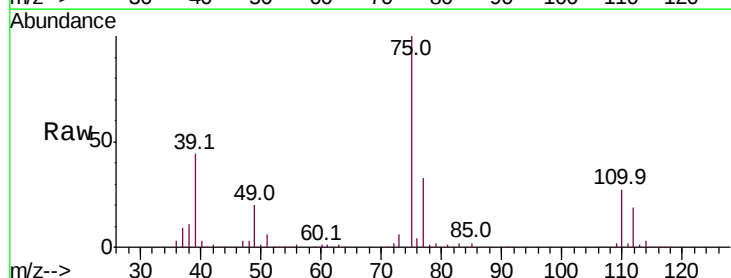
Acq: 15 Oct 2019 10:18

Tgt Ion: 75 Resp: 201053

Ion Ratio Lower Upper

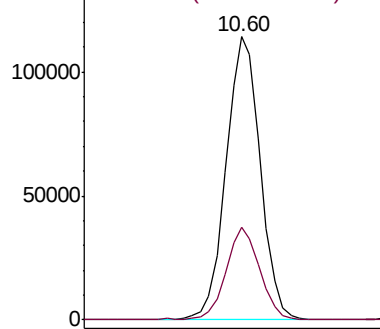
75 100

77 32.9 23.0 42.6

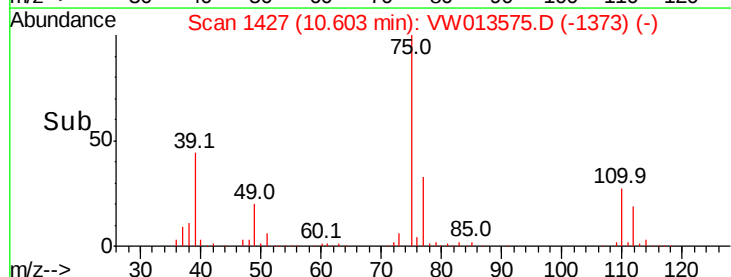


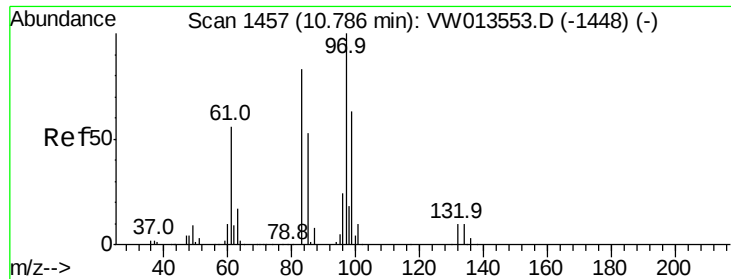
Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



Time-->





#46

1,1,2-Trichloroethane

Concen: 24.950 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013575.D

Acq: 15 Oct 2019 10:18

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 118388

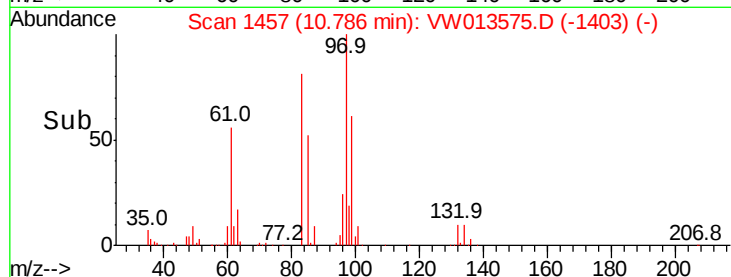
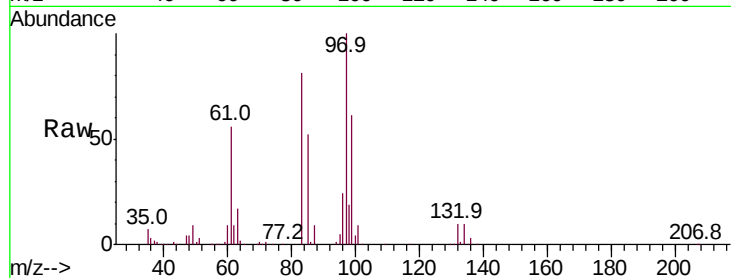
Ion Ratio Lower Upper

97 100

83 81.3 57.5 106.9

85 51.6 36.8 68.4

99 60.7 44.0 81.6



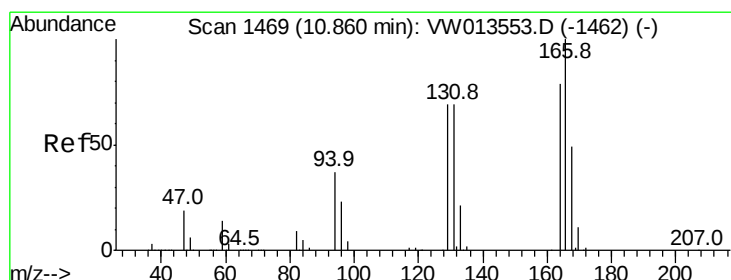
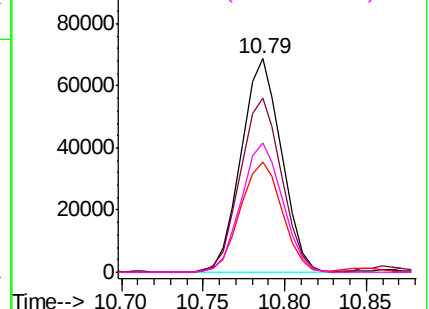
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 24.740 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW013575.D

Acq: 15 Oct 2019 10:18

Tgt Ion:164 Resp: 152615

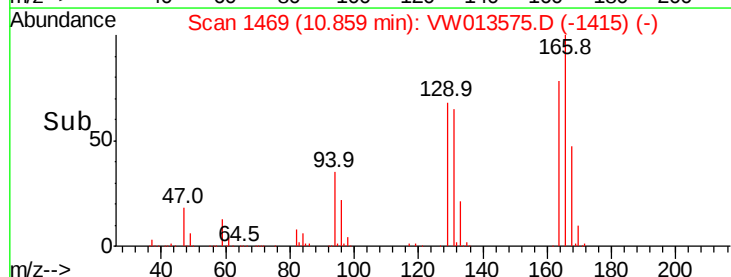
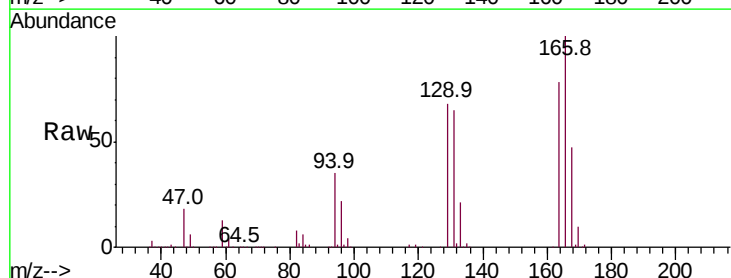
Ion Ratio Lower Upper

164 100

129 87.9 60.2 111.8

131 84.0 57.0 105.9

166 129.0 91.2 169.4



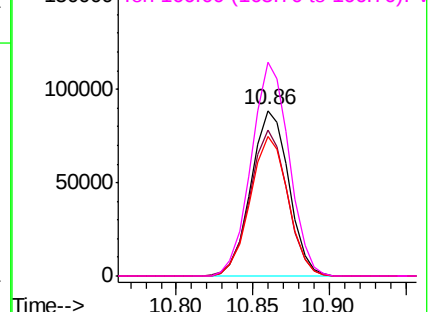
Abundance

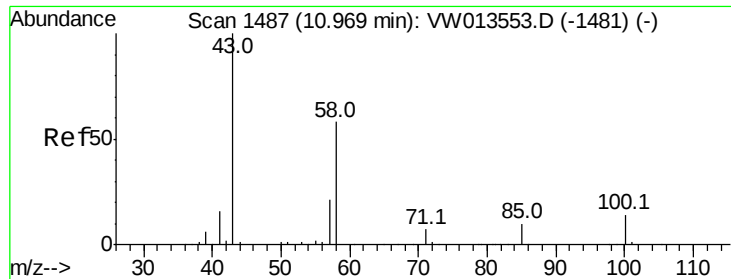
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

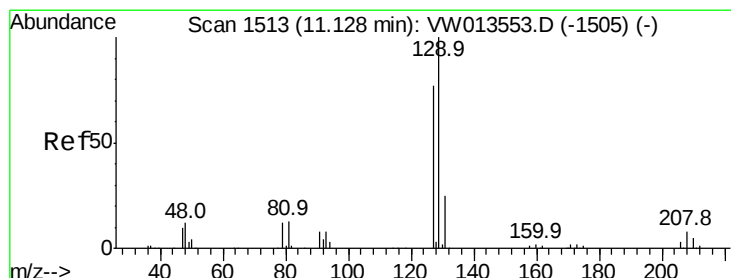
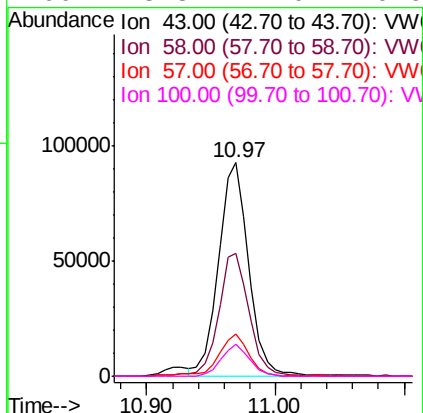
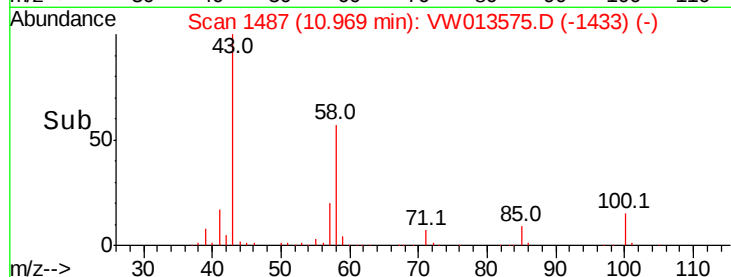
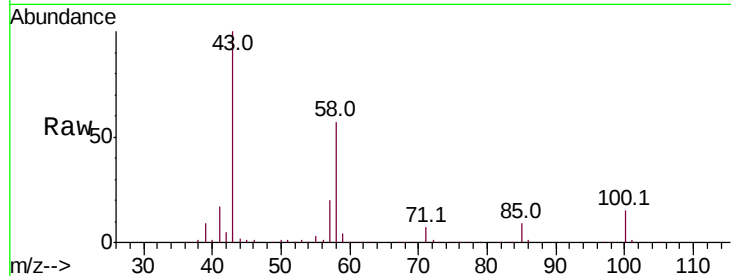




#49
2-Hexanone
Concen: 47.998 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013575.D
Acq: 15 Oct 2019 10:18

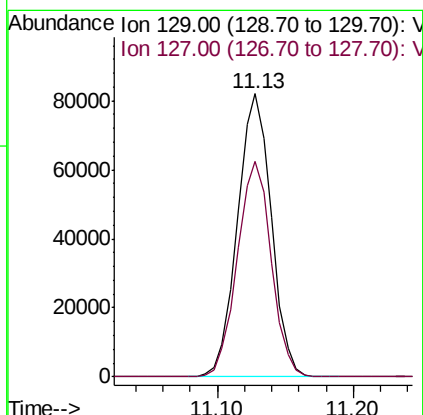
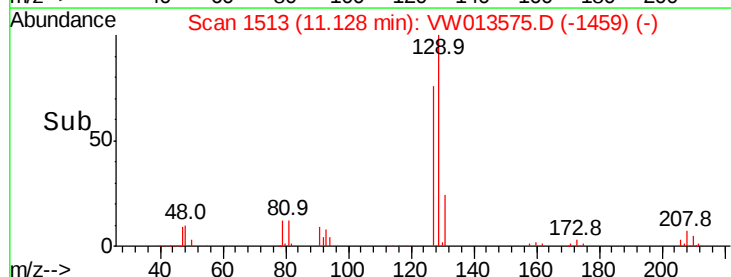
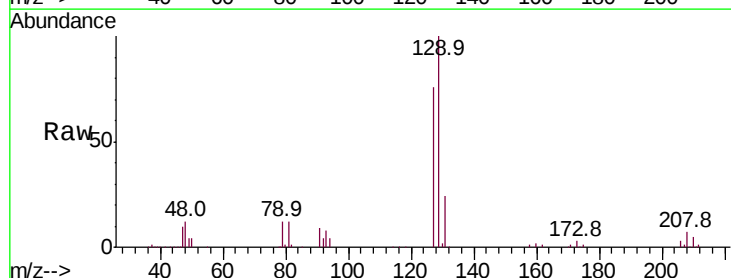
Instrument :
MSVOA_W
ClientSampled :

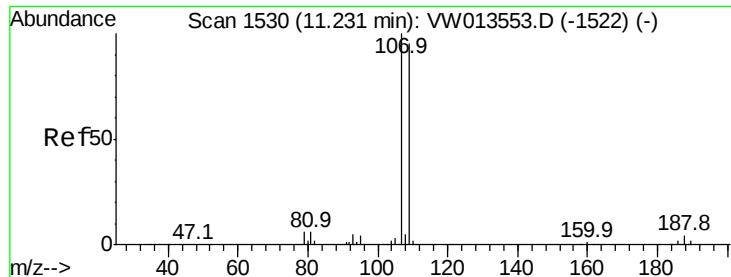
Tot Ion: 43 Resp: 152144
Ion Ratio Lower Upper
43 100
58 56.3 45.2 67.8
57 18.8 15.8 23.8
100 13.8 11.0 16.6



#50
Dibromochloromethane
Concen: 25.516 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013575.D
Acq: 15 Oct 2019 10:18

Tgt Ion: 129 Resp: 142551
Ion Ratio Lower Upper
129 100
127 76.3 54.7 101.5





#51

1,2-Dibromoethane

Concen: 24.816 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW013575.D

Acq: 15 Oct 2019 10:18

Instrument :

MSVOA_W

ClientSampleId :

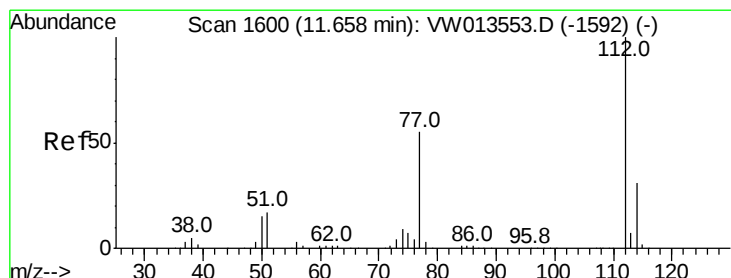
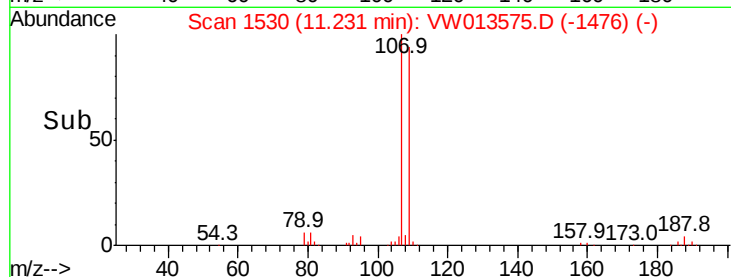
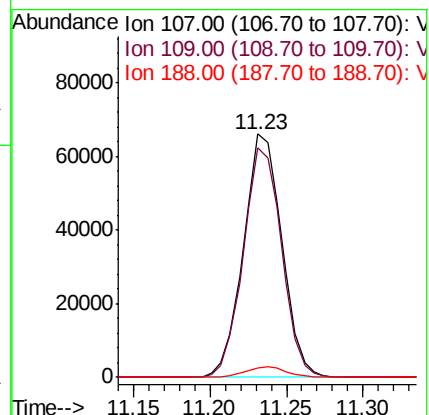
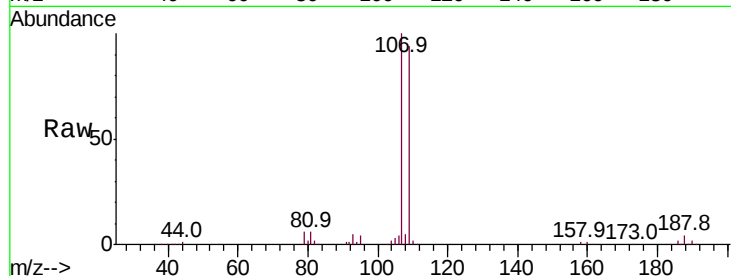
Tot Ion:107 Resp: 115673

Ion Ratio Lower Upper

107 100

109 94.2 65.5 121.7

188 3.8 3.6 5.4



#52

Chlorobenzene

Concen: 24.918 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW013575.D

Acq: 15 Oct 2019 10:18

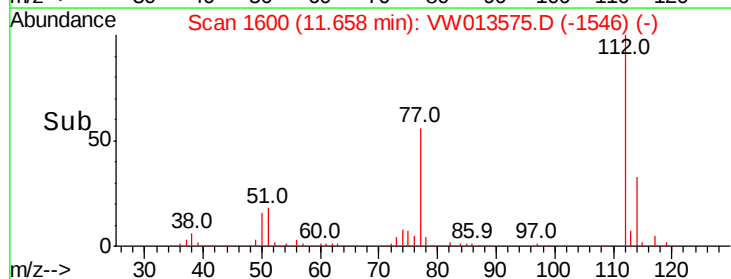
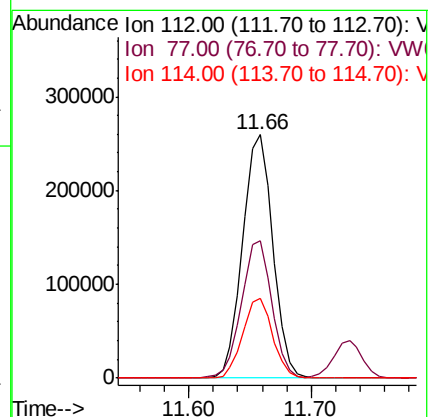
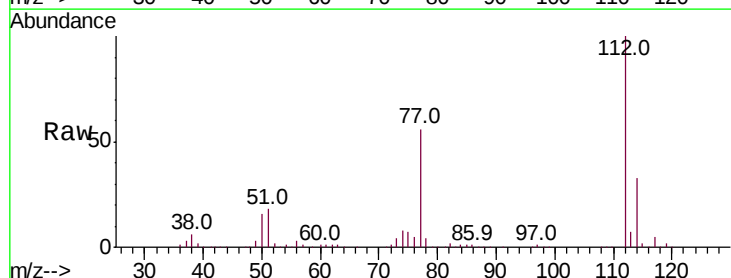
Tgt Ion:112 Resp: 444728

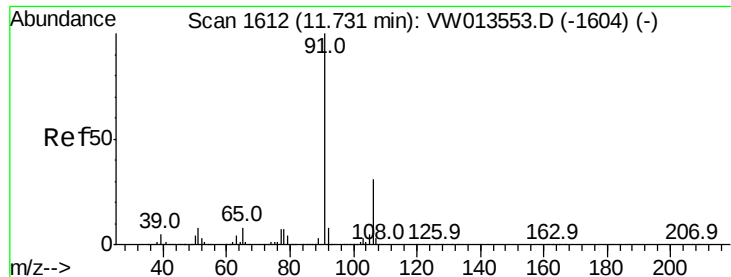
Ion Ratio Lower Upper

112 100

77 56.2 44.5 66.7

114 32.8 22.7 42.3

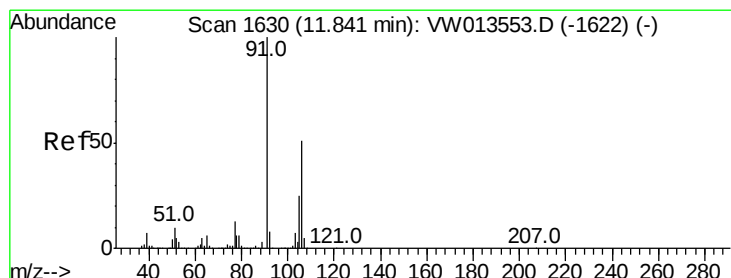
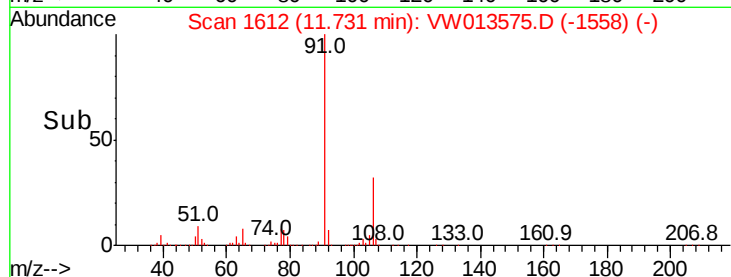
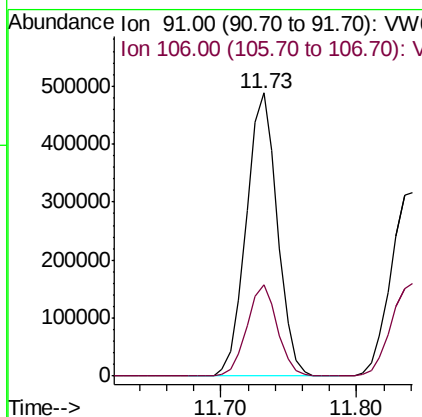
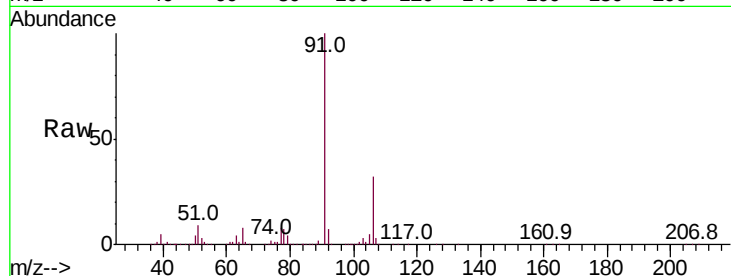




#53
Ethylbenzene
Concen: 25.078 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013575.D
Acq: 15 Oct 2019 10:18

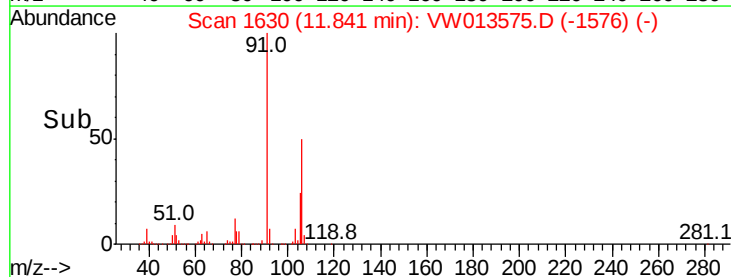
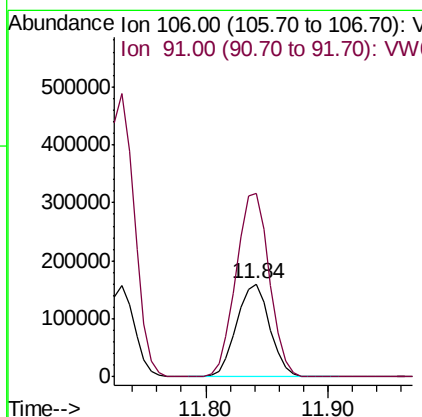
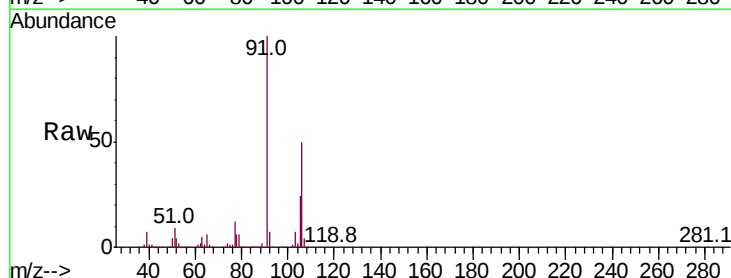
Instrument :
MSVOA_W
ClientSampled :

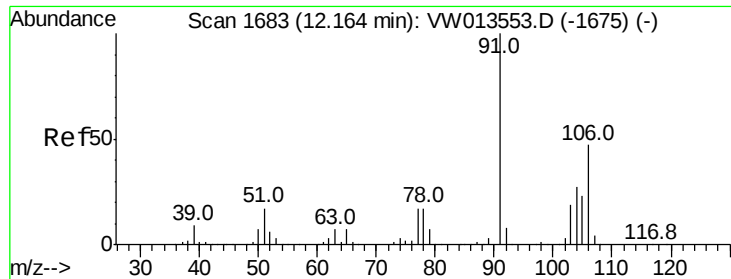
Tot Ion: 91 Resp: 780624
Ion Ratio Lower Upper
91 100
106 32.2 21.5 39.9



#54
m,p-Xylene
Concen: 24.773 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW013575.D
Acq: 15 Oct 2019 10:18

Tgt Ion: 106 Resp: 300813
Ion Ratio Lower Upper
106 100
91 198.2 139.4 258.8

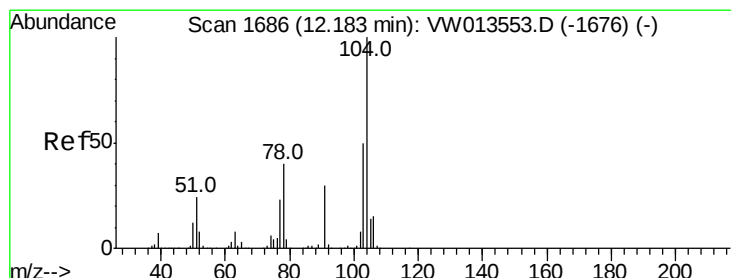
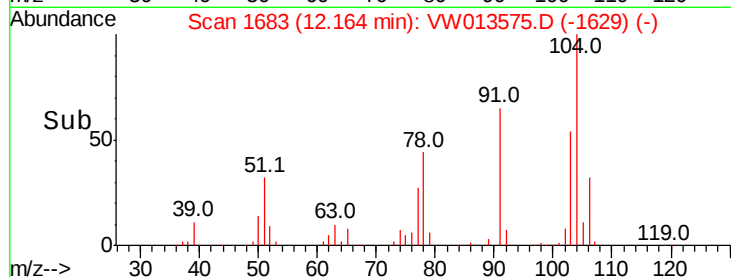
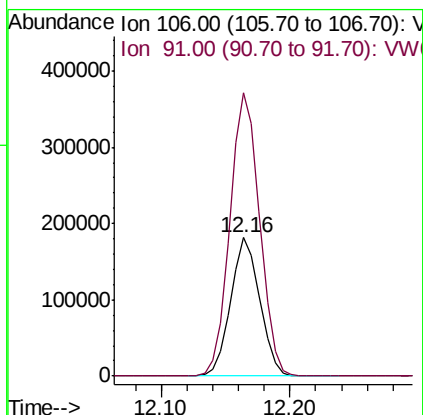
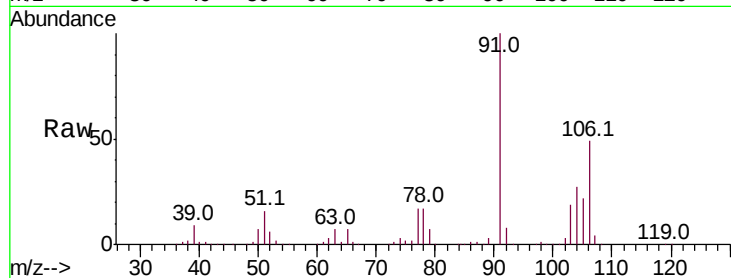




#55
o-xylene
Concen: 25.198 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013575.D
Acq: 15 Oct 2019 10:18

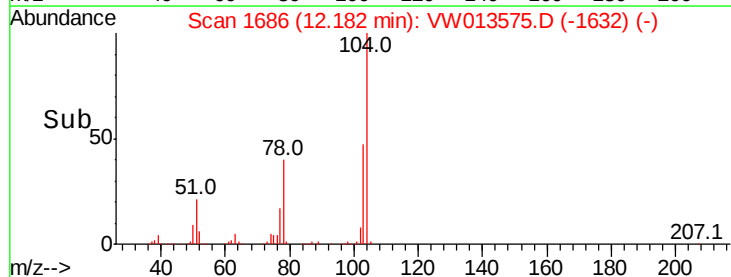
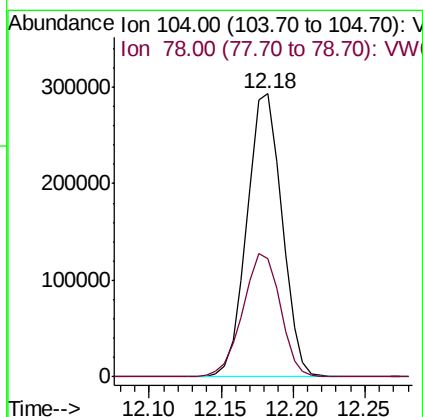
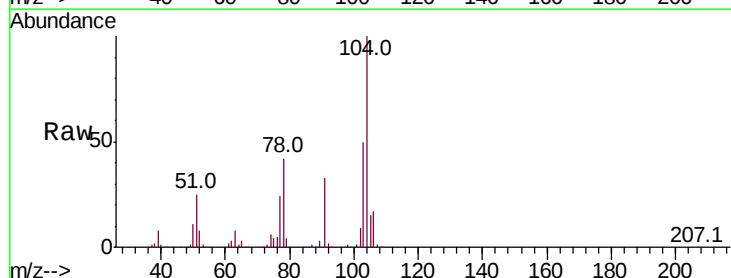
Instrument :
MSVOA_W
ClientSampled :

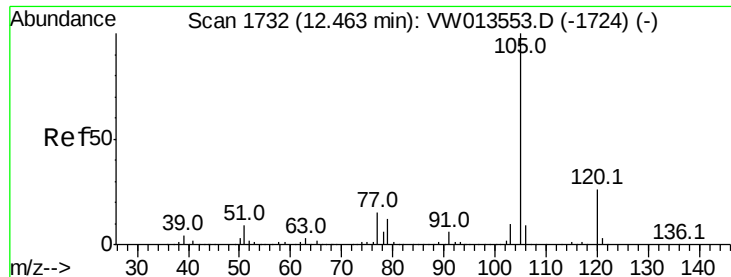
Tot Ion:106 Resp: 285618
Ion Ratio Lower Upper
106 100
91 204.4 148.4 275.6



#56
Styrene
Concen: 25.500 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW013575.D
Acq: 15 Oct 2019 10:18

Tgt Ion:104 Resp: 492259
Ion Ratio Lower Upper
104 100
78 42.0 28.4 52.8





#57

Isopropylbenzene

Concen: 25.303 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013575.D

Acq: 15 Oct 2019 10:18

Instrument :

MSVOA_W

ClientSampleId :

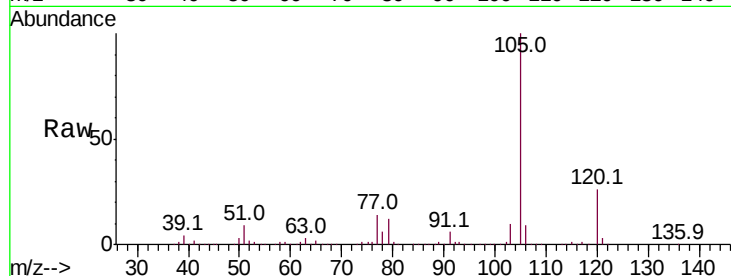
Tot Ion:105 Resp: 778037

Ion Ratio Lower Upper

105 100

120 26.6 21.7 32.5

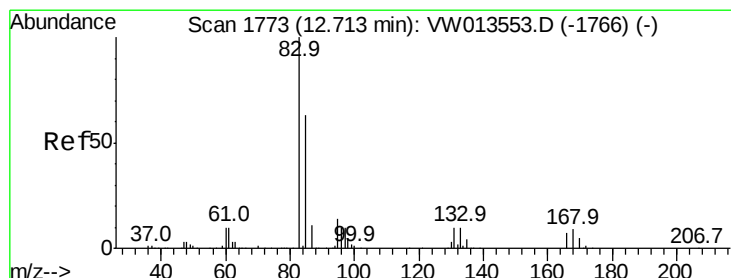
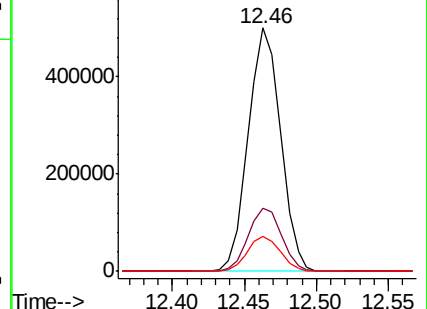
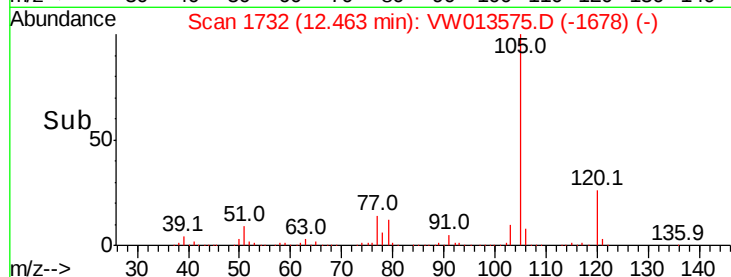
77 14.4 11.8 17.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 24.720 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013575.D

Acq: 15 Oct 2019 10:18

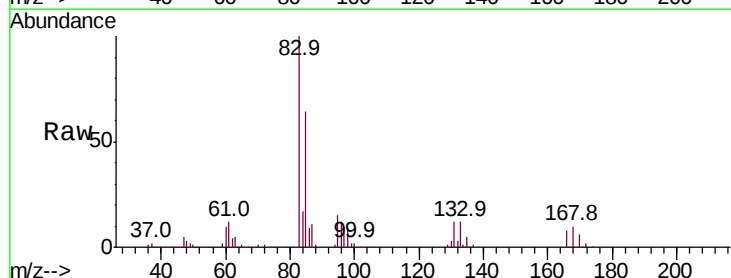
Tgt Ion: 83 Resp: 138584

Ion Ratio Lower Upper

83 100

85 64.1 44.7 83.1

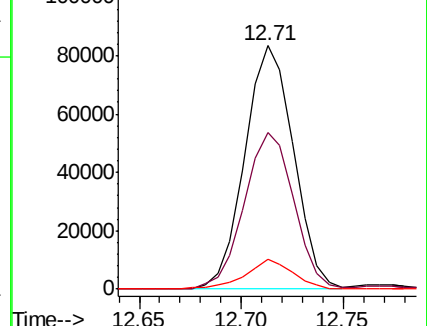
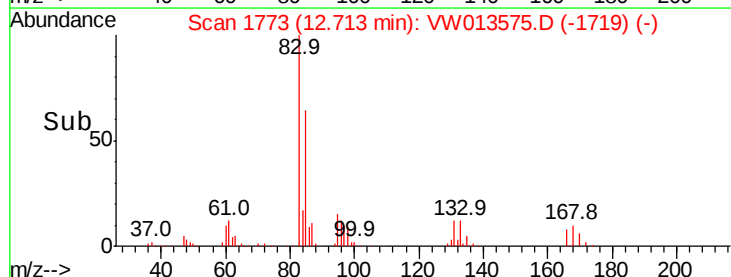
131 12.4 7.8 11.6#

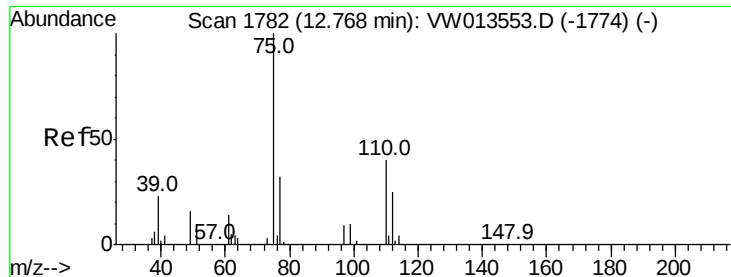


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.429 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013575.D

Acq: 15 Oct 2019 10:18

Instrument :

MSVOA_W

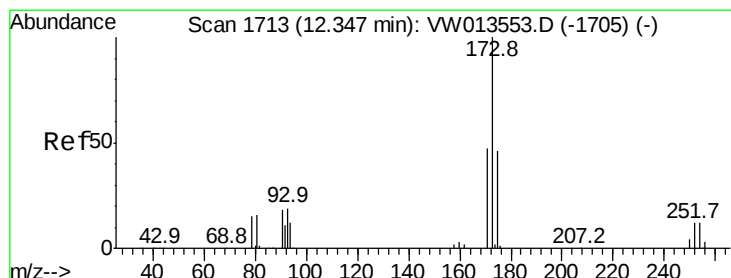
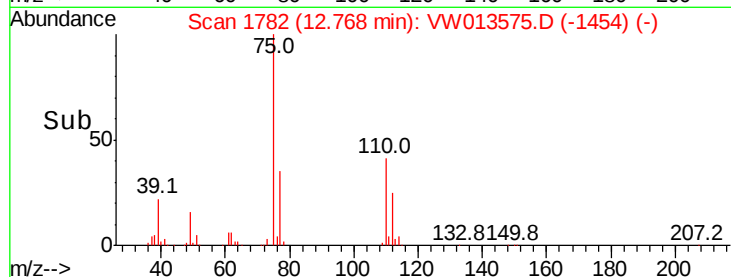
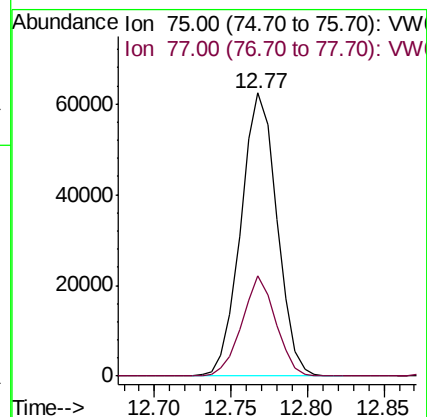
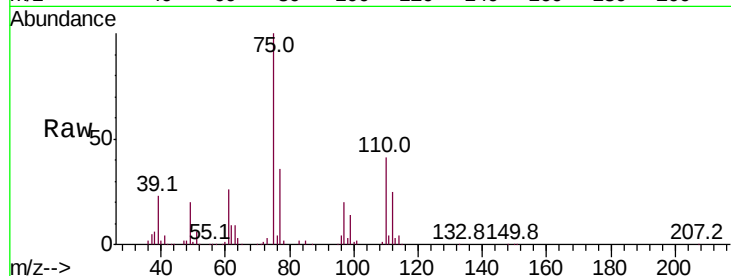
ClientSampleId :

Tot Ion: 75 Resp: 102265

Ion Ratio Lower Upper

75 100

77 33.5 25.5 38.3



#62

Bromoform

Concen: 24.804 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013575.D

Acq: 15 Oct 2019 10:18

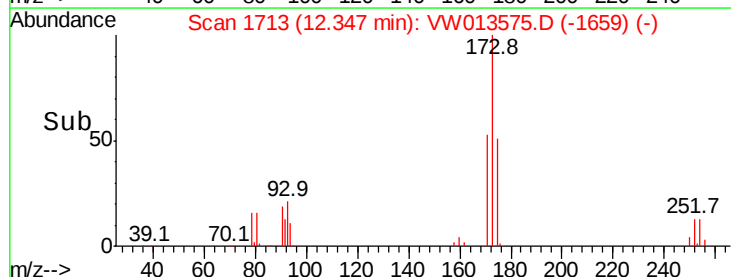
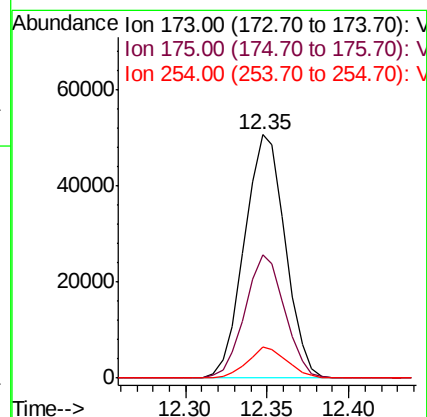
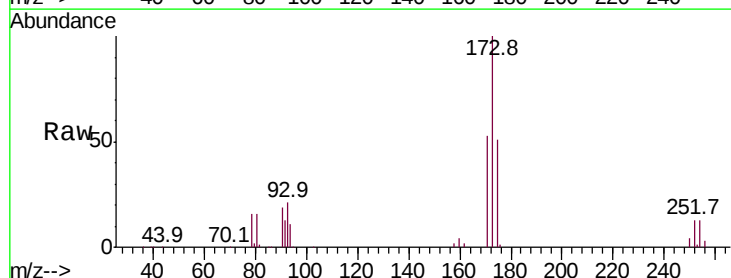
Tgt Ion: 173 Resp: 88565

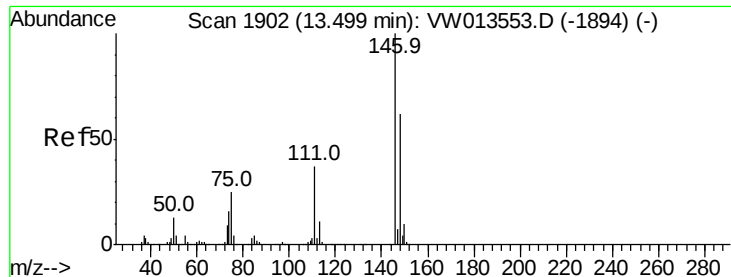
Ion Ratio Lower Upper

173 100

175 49.2 39.0 58.6

254 12.2 10.1 15.1

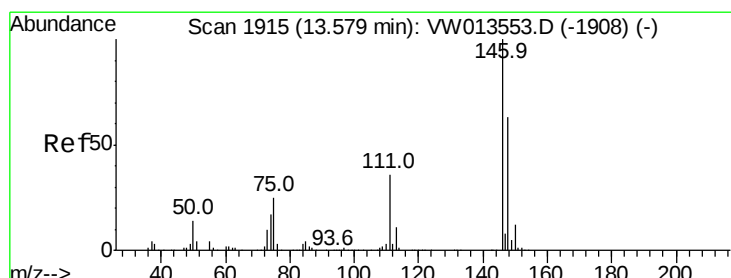
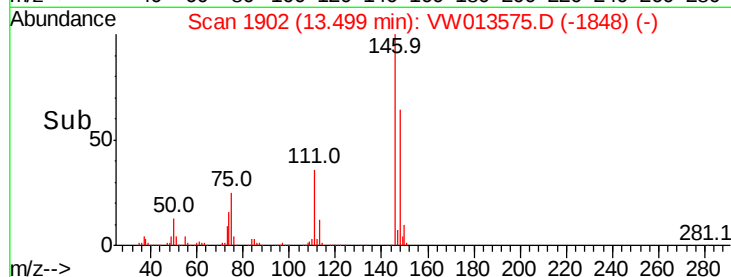
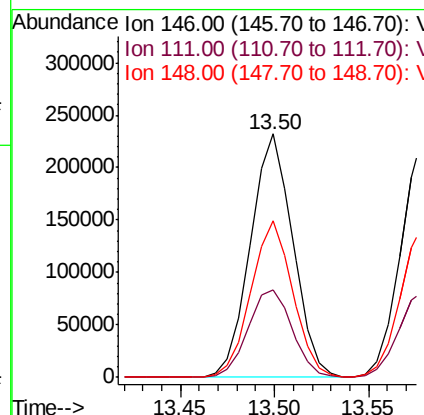
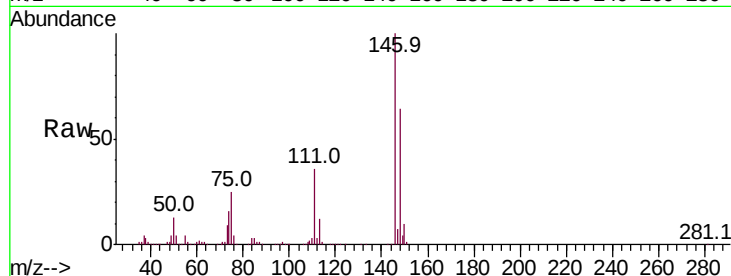




#63
 1,3-Dichlorobenzene
 Concen: 24.352 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013575.D
 Acq: 15 Oct 2019 10:18

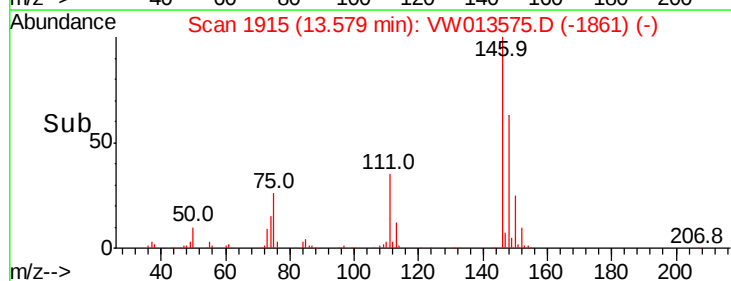
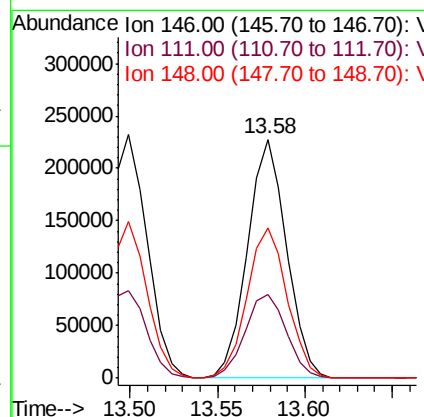
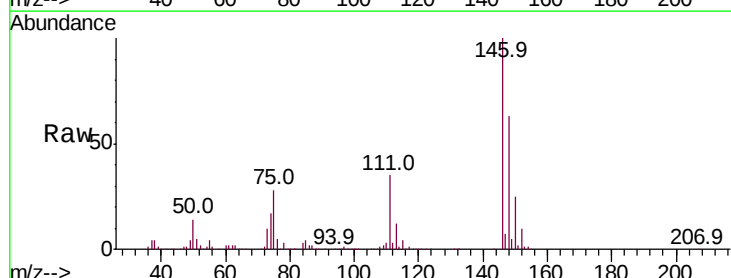
Instrument :
 MSVOA_W
 ClientSampleId :

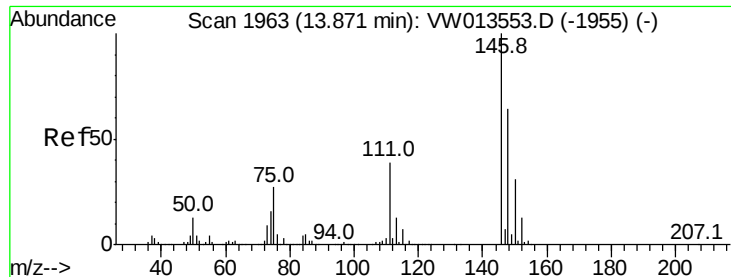
Tot Ion	Ratio	Lower	Upper
146	100		
111	35.7	25.3	46.9
148	64.3	42.8	79.4



#64
 1,4-Dichlorobenzene
 Concen: 23.805 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013575.D
 Acq: 15 Oct 2019 10:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.9	25.8	47.8
148	62.6	43.7	81.1





#65

1,2-Dichlorobenzene

Concen: 24.059 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW013575.D

Acq: 15 Oct 2019 10:18

Instrument :

MSVOA_W

ClientSampleId :

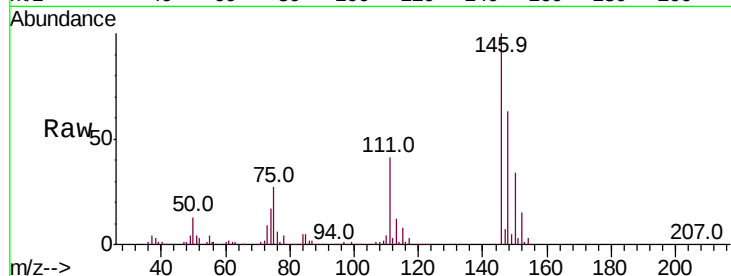
Tot Ion:146 Resp: 321797

Ion	Ratio	Lower	Upper
146	100		
111	40.5	31.0	46.4
148	62.9	50.3	75.5

146 100

111 40.5 31.0 46.4

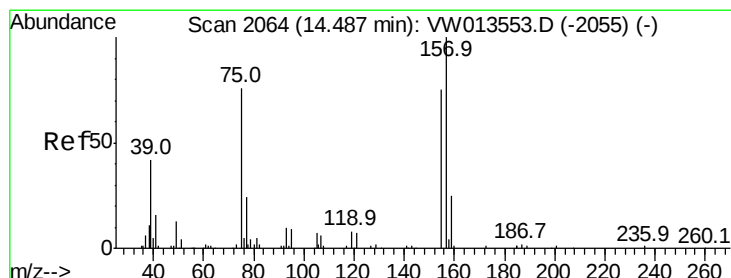
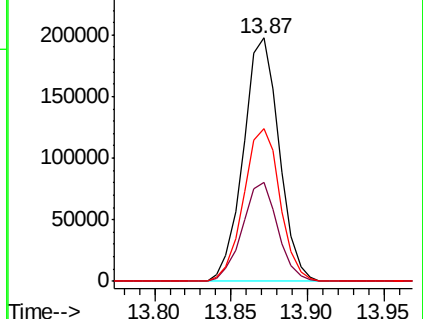
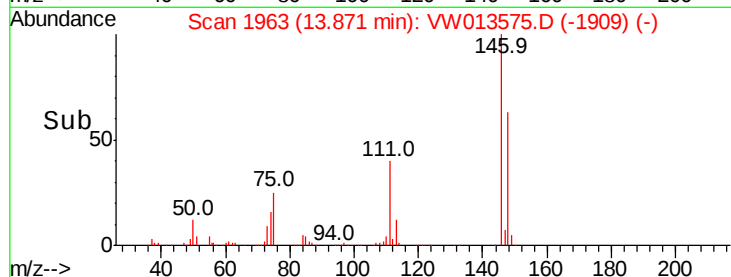
148 62.9 50.3 75.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 23.095 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW013575.D

Acq: 15 Oct 2019 10:18

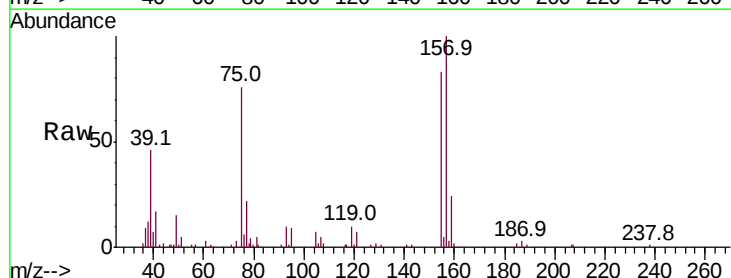
Tgt Ion: 75 Resp: 21325

Ion	Ratio	Lower	Upper
75	100		
157	131.4	102.0	153.0
155	109.2	77.6	116.4

75 100

157 131.4 102.0 153.0

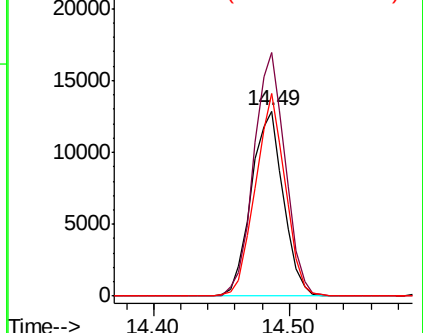
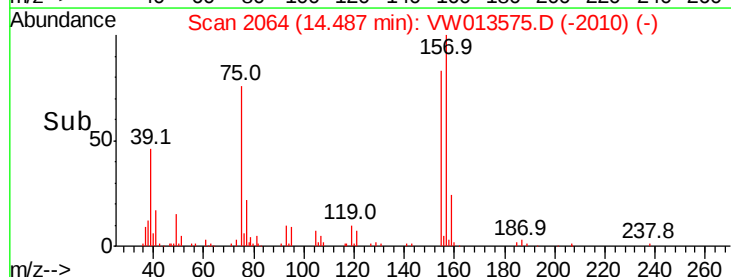
155 109.2 77.6 116.4

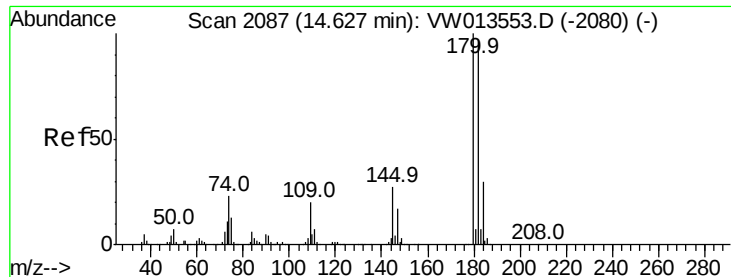


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

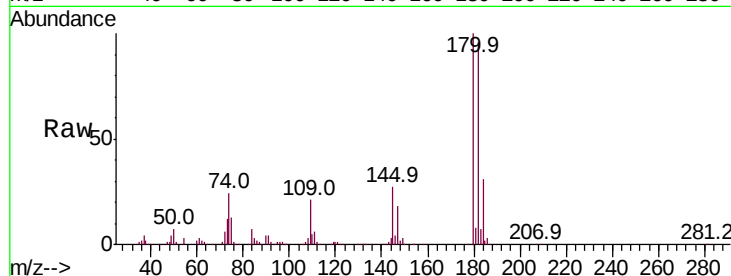




#67
 1,3,5-Trichlorobenzene
 Concen: 23.943 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW013575.D
 Acq: 15 Oct 2019 10:18

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	77.0	115.4
184	30.8	24.7	37.1
145	27.5	22.2	33.2



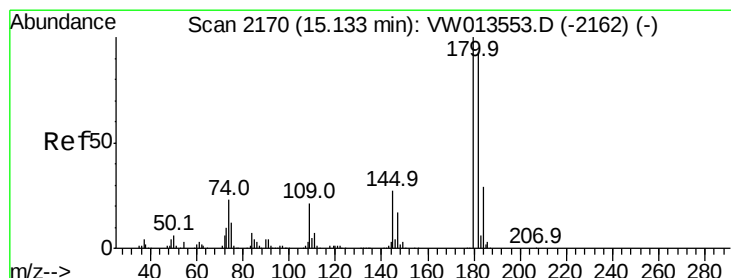
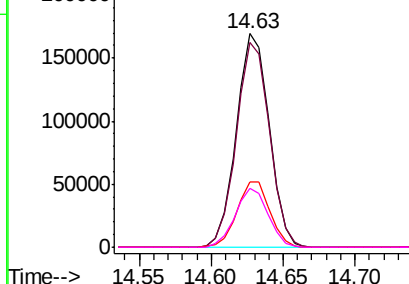
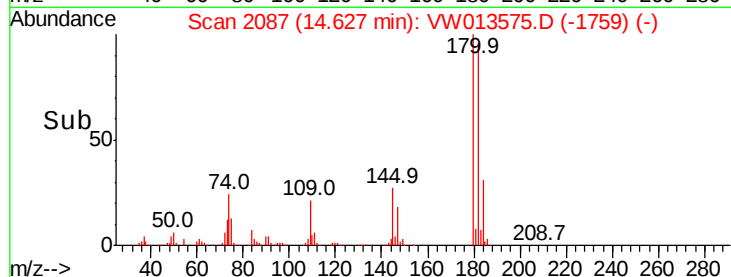
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

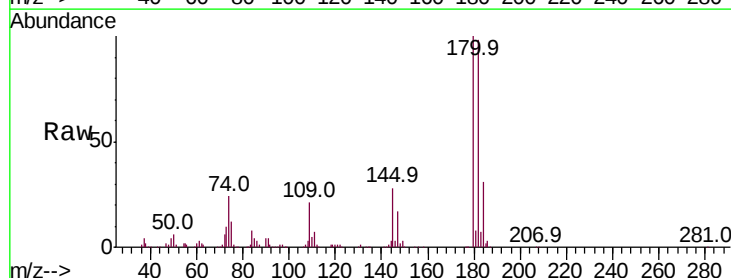
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 23.772 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013575.D
 Acq: 15 Oct 2019 10:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	78.2	117.2
145	27.4	22.8	34.2

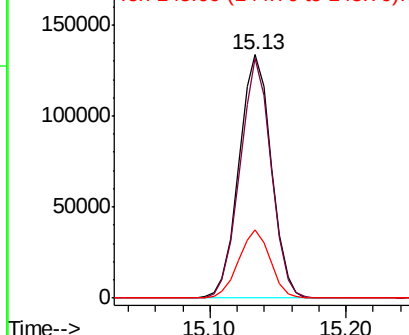
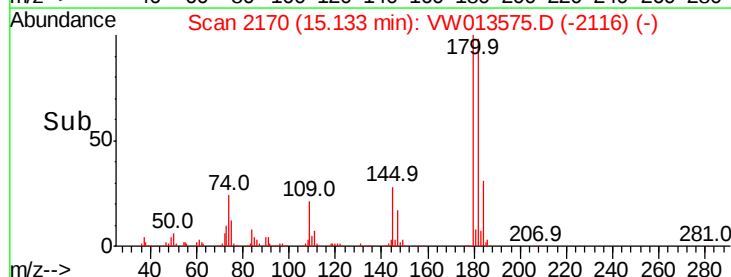


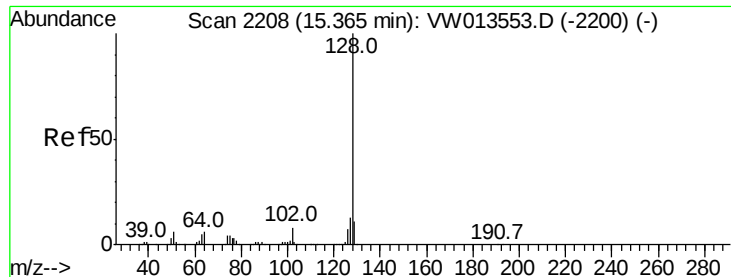
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 23.588 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW013575.D

Acq: 15 Oct 2019 10:18

Instrument :

MSVOA_W

ClientSampleId :

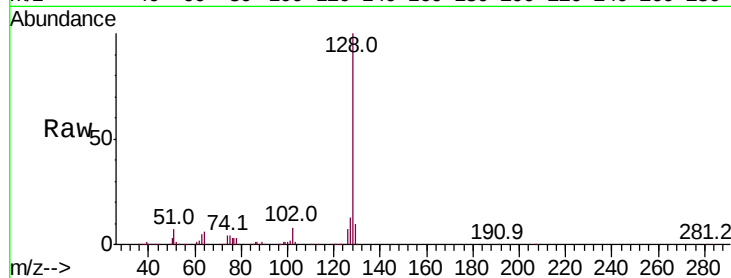
Tot Ion:128 Resp: 399818

Ion Ratio Lower Upper

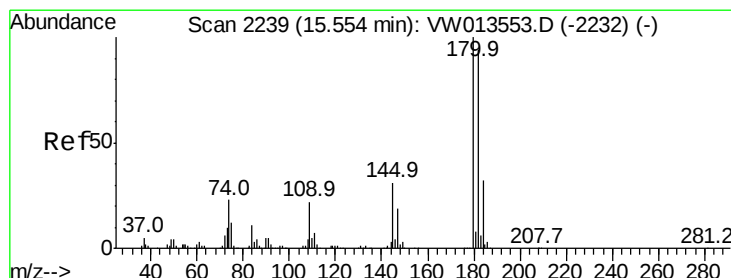
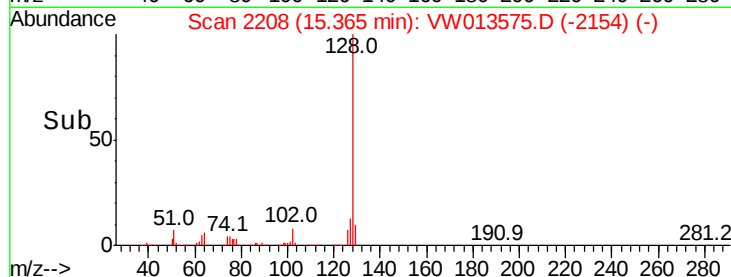
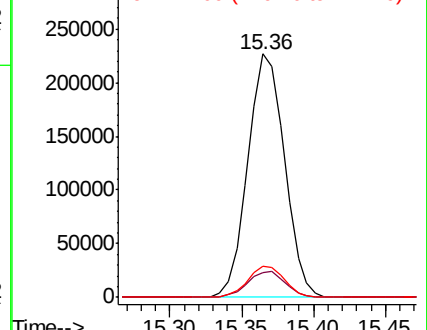
128 100

129 10.8 8.5 12.7

127 12.9 10.4 15.6



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



#70

1,2,3-Trichlorobenzene

Concen: 23.659 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW013575.D

Acq: 15 Oct 2019 10:18

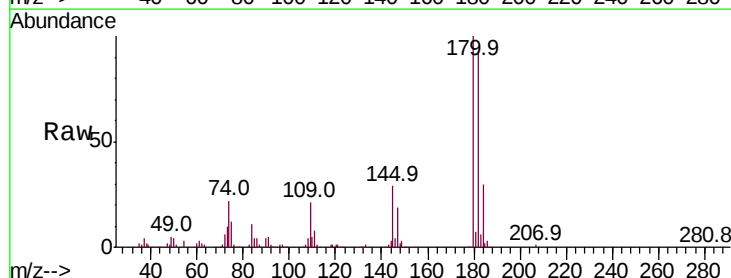
Tgt Ion:180 Resp: 196055

Ion Ratio Lower Upper

180 100

182 95.0 76.0 114.0

145 30.0 23.1 34.7



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

