

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091319\
 Data File : VW012949.D
 Acq On : 13 Sep 2019 11:11
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.10G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 13 14:59:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091219S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 13 02:47:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	395081	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	345038	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	172675	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	104696	26.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	105.40%
7) Chloroethane-d5	2.89	69	86764	26.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	106.20%
10) 1,1-Dichloroethene-d2	4.01	63	245629	25.85	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	103.40%
20) 2-Butanone-d5	7.07	46	78127	52.58	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.16%
24) Chloroform-d	7.65	84	248037	24.83	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.32%
26) 1,2-Dichloroethane-d4	8.30	65	131476	24.64	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.56%
29) Benzene-d6	8.27	84	438711	24.92	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.68%
33) 1,2-Dichloropropane-d6	9.27	67	141103	24.28	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.12%
37) Toluene-d8	10.32	98	417685	24.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.68%
38) trans-1,3-Dichloropropene-	10.57	79	63534	24.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.24%
39) 2-Hexanone-d5	10.92	63	56101	51.16	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.32%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	109256	24.91	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.64%
61) 1,2-Dichlorobenzene-d4	13.85	152	157556	23.96	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.84%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	91906	30.134	ug/L	99
3) Chloromethane	2.21	50	109422	26.296	ug/L	99
5) Vinyl chloride	2.36	62	152400	28.361	ug/L	98
6) Bromomethane	2.78	94	85910	26.767	ug/L	98
8) Chloroethane	2.92	64	86927	26.828	ug/L	99
9) Trichlorofluoromethane	3.26	101	92133	28.600	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	125306	26.562	ug/L	99
12) 1,1-Dichloroethene	4.04	96	124547	26.436	ug/L	87
13) Acetone	4.12	43	75481	58.952	ug/L	100
14) Carbon disulfide	4.38	76	378486	26.871	ug/L	99
15) Methyl Acetate	4.67	43	60256	25.198	ug/L	99
16) Methylene chloride	4.92	84	125477	23.262	ug/L	94
17) Methyl tert-butyl Ether	5.42	73	206261	25.163	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	128497	25.430	ug/L	97
19) 1,1-Dichloroethane	6.21	63	241701	25.246	ug/L	98
21) 2-Butanone	7.16	43	96436	57.171	ug/L	98
22) cis-1,2-Dichloroethene	7.16	96	135480	25.275	ug/L	96

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 Response via : Initial Calibration

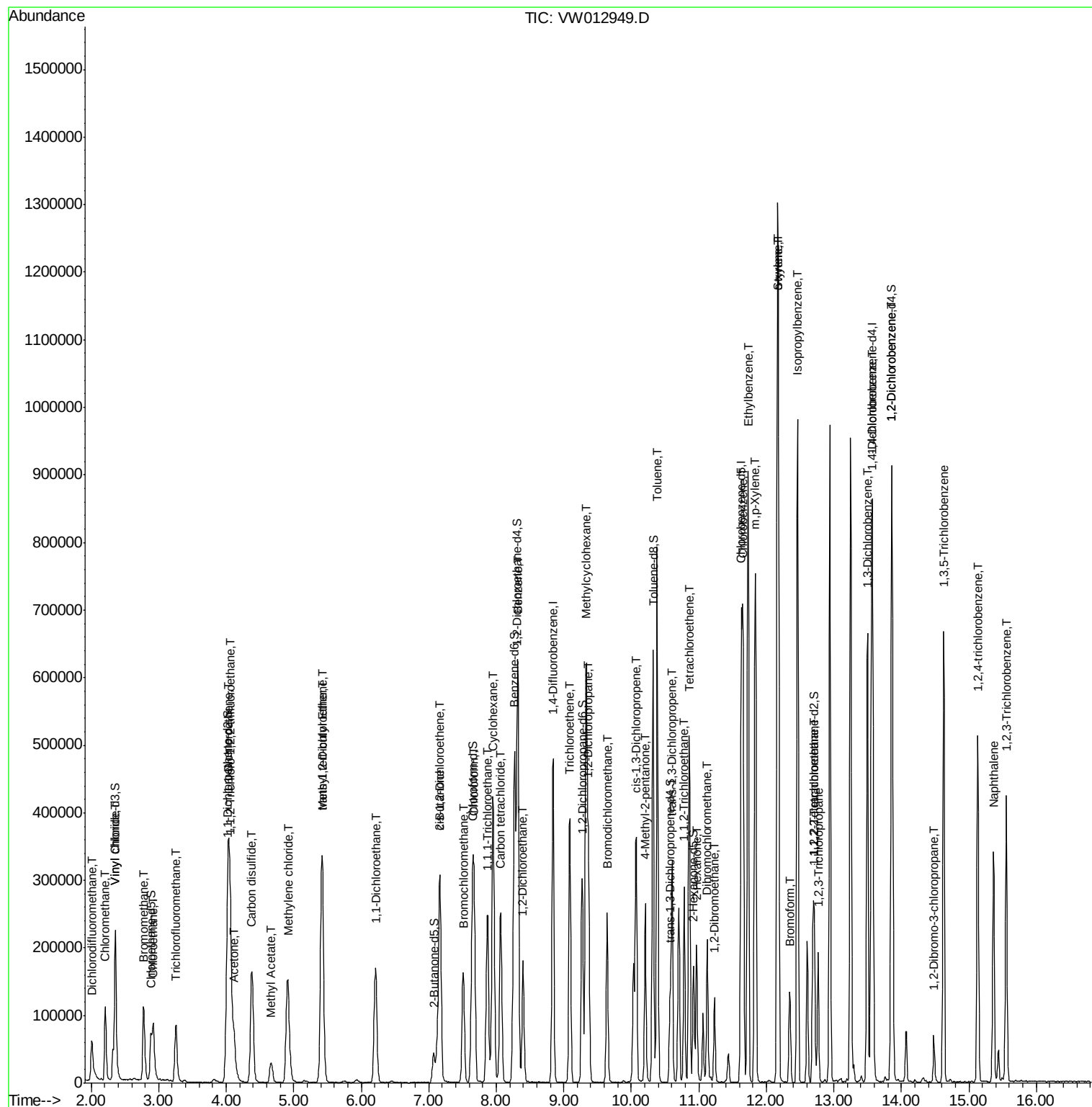
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	56126	24.169	ug/L	94
25) Chloroform	7.67	83	241742	25.075	ug/L	100
27) 1,2-Dichloroethane	8.40	62	165965	25.474	ug/L	98
30) Cyclohexane	7.95	56	245666	26.713	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	205701	26.155	ug/L	99
32) Carbon tetrachloride	8.07	117	193002	26.282	ug/L	99
34) Benzene	8.32	78	524884	25.297	ug/L	100
35) Trichloroethene	9.09	95	140351	25.631	ug/L	99
36) Methylcyclohexane	9.33	83	246089	25.989	ug/L	99
40) 1,2-Dichloropropane	9.37	63	128177	24.559	ug/L	99
41) Bromodichloromethane	9.64	83	167217	25.150	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	209335	25.529	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	175877	52.972	ug/L	98
44) Toluene	10.38	91	558307	25.147	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	170624	25.671	ug/L	95
46) 1,1,2-Trichloroethane	10.79	97	87764	25.006	ug/L	96
47) Tetrachloroethene	10.86	164	116674	24.745	ug/L	97
49) 2-Hexanone	10.96	43	136260	55.521	ug/L	99
50) Dibromochloromethane	11.13	129	110721	25.903	ug/L	98
51) 1,2-Dibromoethane	11.23	107	83863	24.841	ug/L	94
52) Chlorobenzene	11.65	112	339701	24.489	ug/L	97
53) Ethylbenzene	11.73	91	633328	25.135	ug/L	99
54) m,p-Xylene	11.84	106	235351	24.982	ug/L	100
55) o-xylene	12.16	106	223547	25.224	ug/L	100
56) Styrene	12.18	104	378237	25.082	ug/L	100
57) Isopropylbenzene	12.46	105	623692	25.627	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	101734	25.485	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	77635	25.238	ug/L	98
62) Bromoform	12.35	173	64644	26.196	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	273986	25.049	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	266040	24.381	ug/L	99
65) 1,2-Dichlorobenzene	13.86	146	237271	24.189	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.48	75	17378	25.564	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	208020	24.724	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	164705	24.694	ug/L	97
69) Naphthalene	15.36	128	283977	26.289	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	145904	24.793	ug/L	99

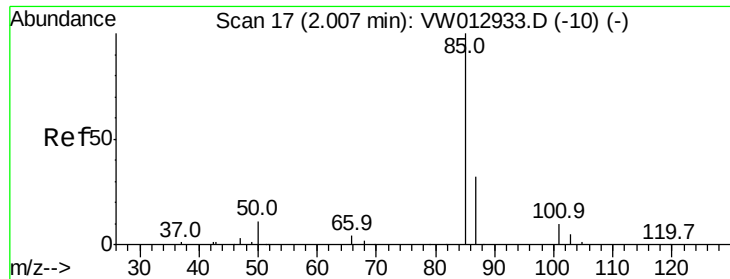
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 30.134 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012949.D

Acq: 13 Sep 2019 11:11

Instrument :

MSVOA_W

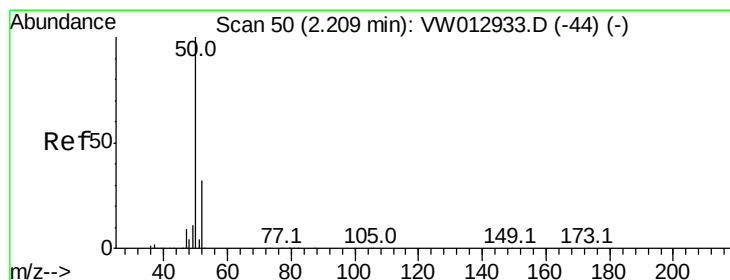
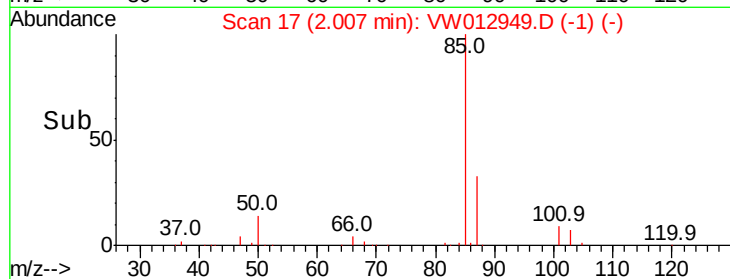
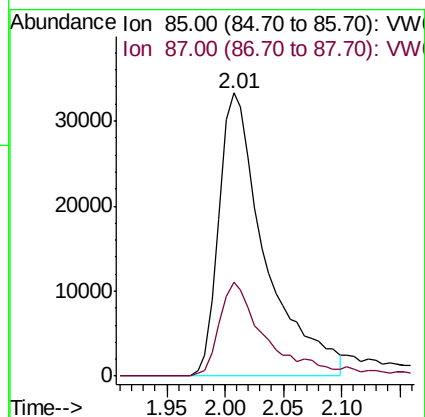
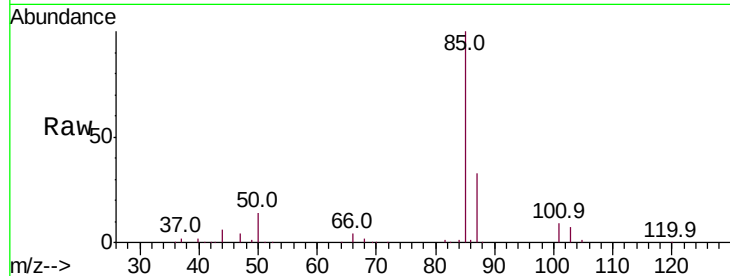
ClientSampleId :

Tot Ion: 85 Resp: 91906

Ion Ratio Lower Upper

85 100

87 29.3 20.1 37.3



#3

Chloromethane

Concen: 26.296 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012949.D

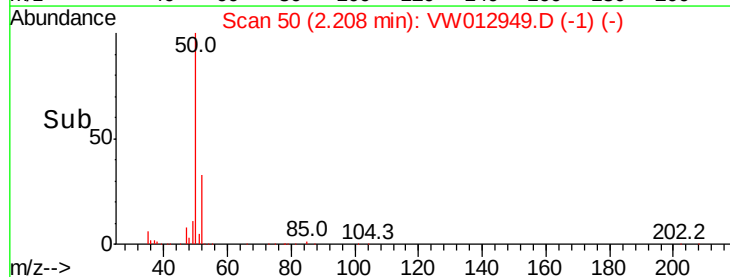
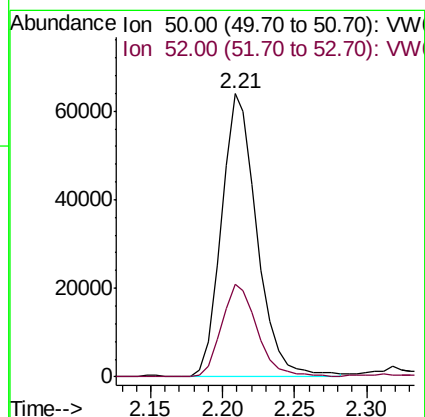
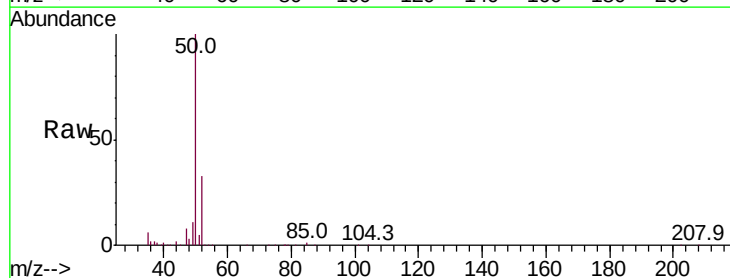
Acq: 13 Sep 2019 11:11

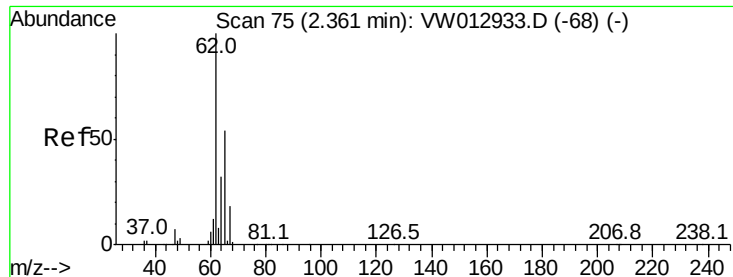
Tgt Ion: 50 Resp: 109422

Ion Ratio Lower Upper

50 100

52 32.8 23.5 43.7





#5

Vinyl chloride

Concen: 28.361 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012949.D

Acq: 13 Sep 2019 11:11

Instrument :

MSVOA_W

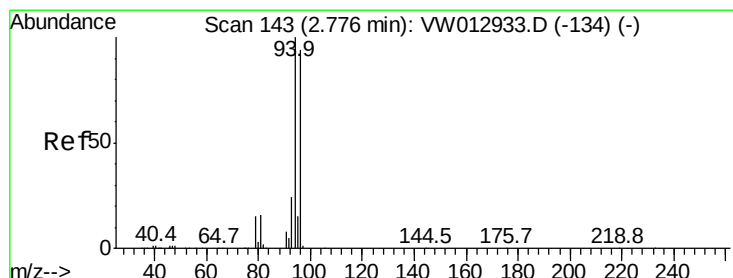
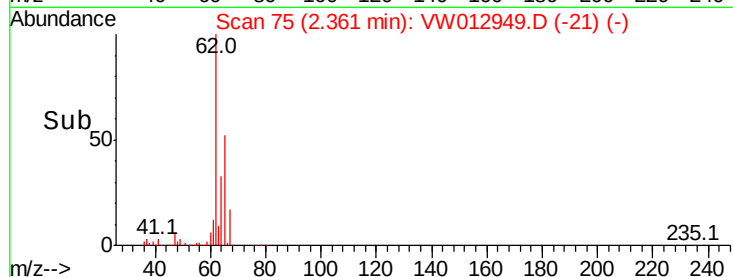
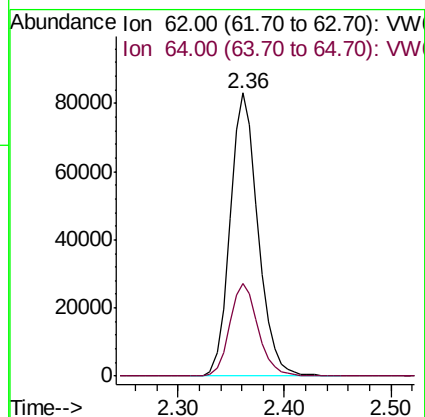
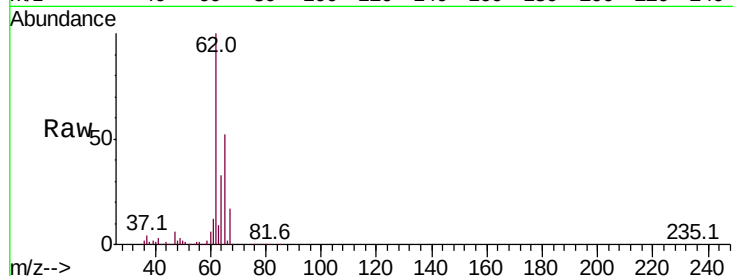
ClientSampleId :

Tot Ion: 62 Resp: 152400

Ion Ratio Lower Upper

62 100

64 32.7 23.7 44.1



#6

Bromomethane

Concen: 26.767 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW012949.D

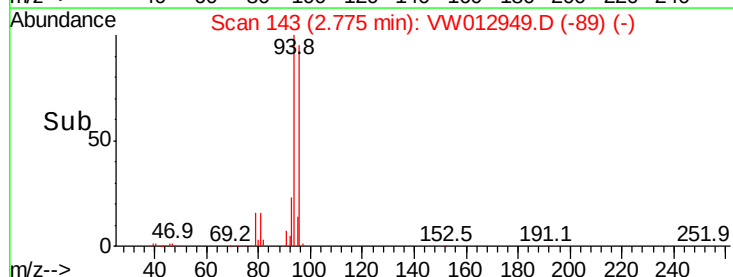
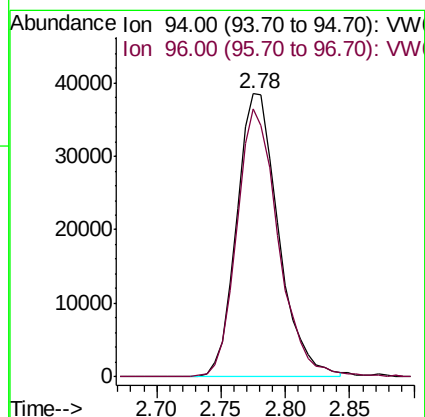
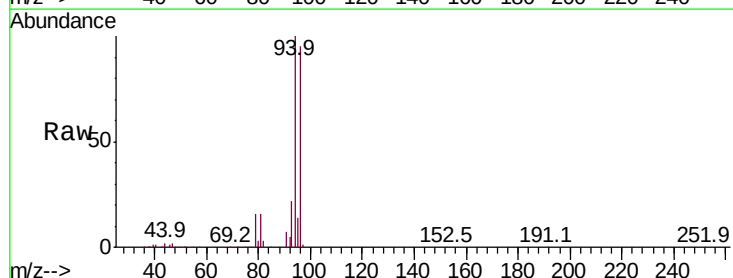
Acq: 13 Sep 2019 11:11

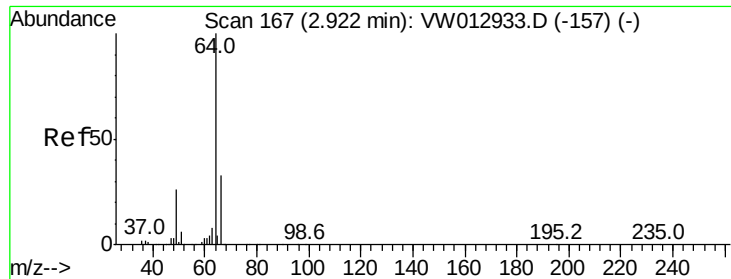
Tgt Ion: 94 Resp: 85910

Ion Ratio Lower Upper

94 100

96 94.7 9.3 176.9





#8

Chloroethane

Concen: 26.828 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW012949.D

Acq: 13 Sep 2019 11:11

Instrument :

MSVOA_W

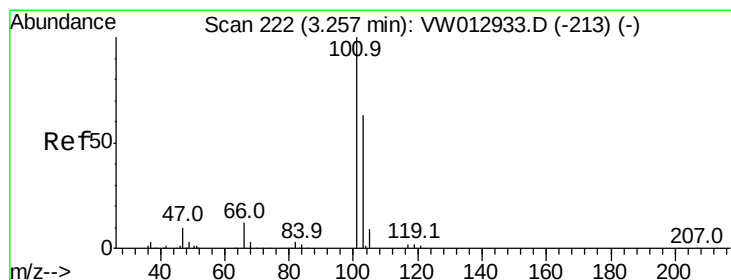
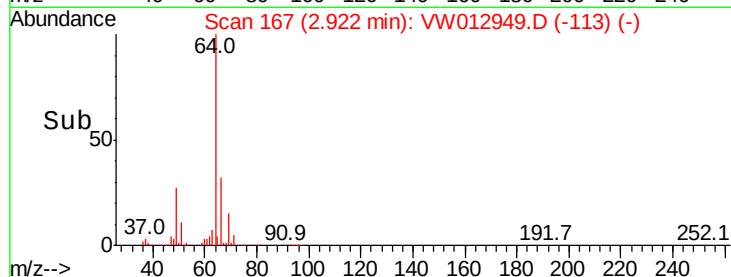
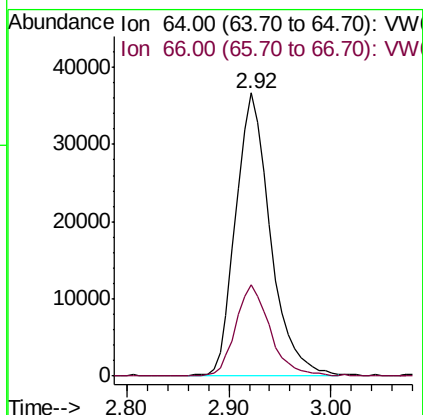
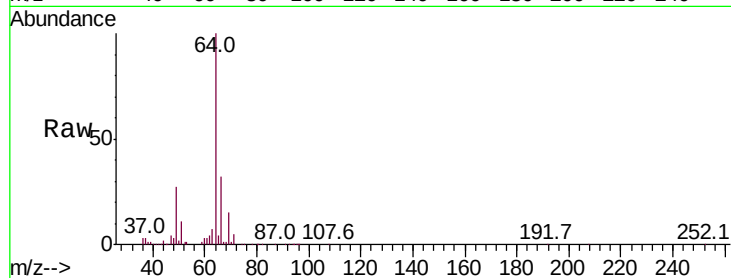
ClientSampleId :

Tot Ion: 64 Resp: 86927

Ion Ratio Lower Upper

64 100

66 32.3 22.1 41.1



#9

Trichlorofluoromethane

Concen: 28.600 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW012949.D

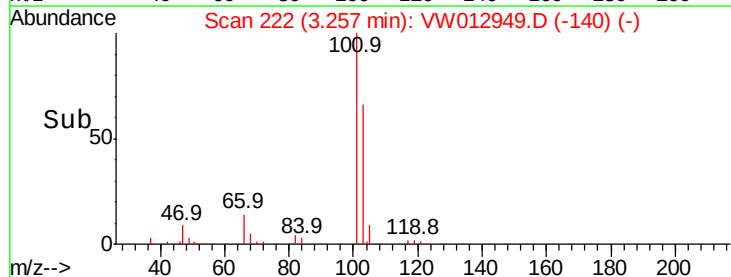
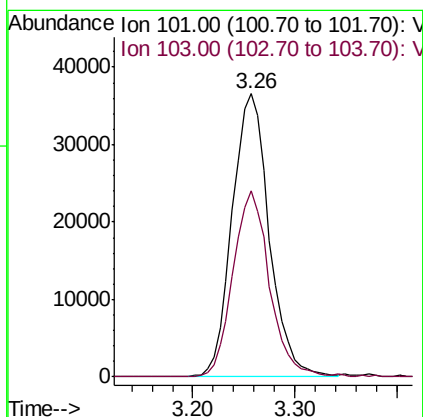
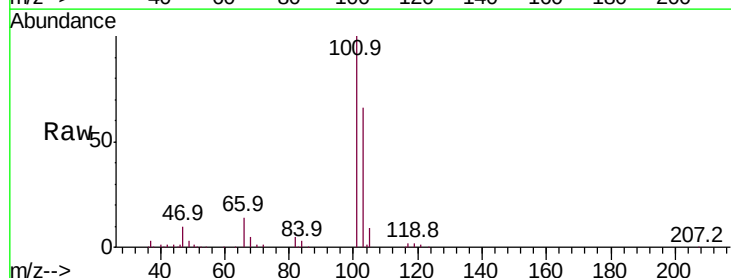
Acq: 13 Sep 2019 11:11

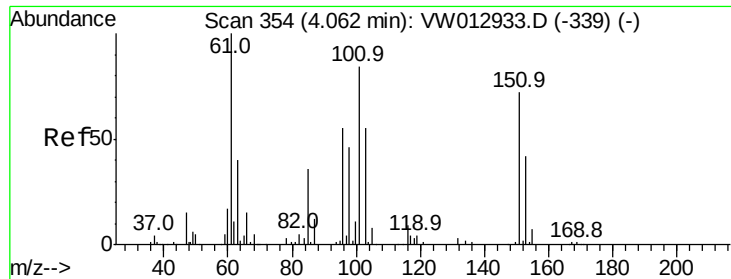
Tgt Ion: 101 Resp: 92133

Ion Ratio Lower Upper

101 100

103 64.7 45.9 85.3





#11

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

Concen: 26.562 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW012949.D

Acq: 13 Sep 2019 11:11

Instrument :

MSVOA_W

ClientSampleId :

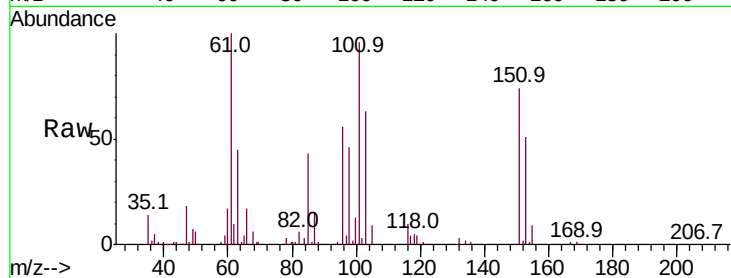
Tot Ion:101 Resp: 125306

Ion Ratio Lower Upper

101 100

85 44.6 34.6 52.0

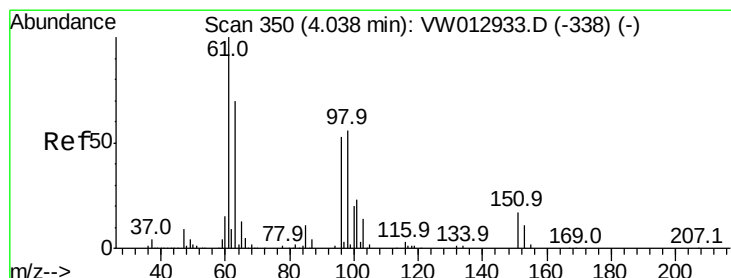
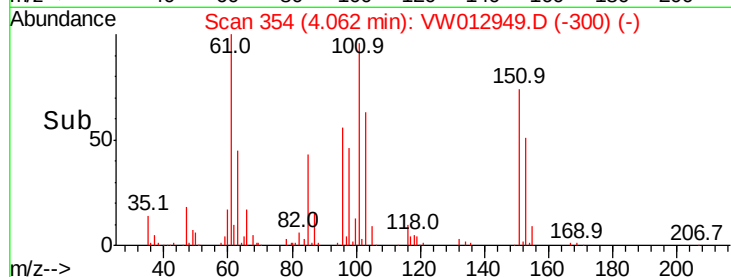
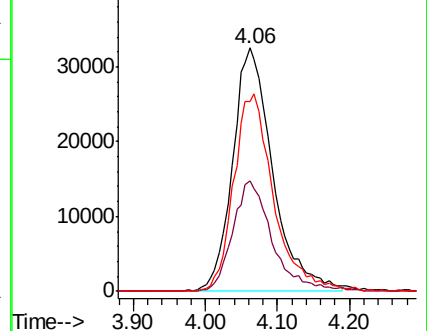
151 81.0 64.8 97.2



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: 26.436 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW012949.D

Acq: 13 Sep 2019 11:11

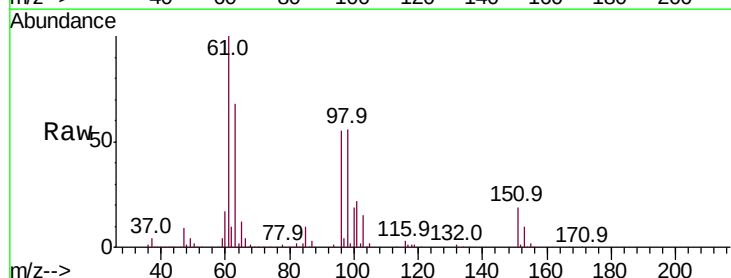
Tgt Ion: 96 Resp: 124547

Ion Ratio Lower Upper

96 100

61 181.1 135.3 251.3

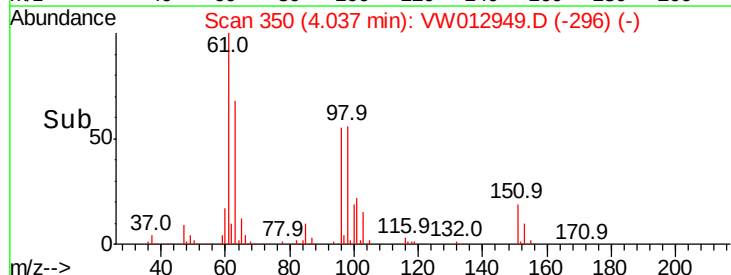
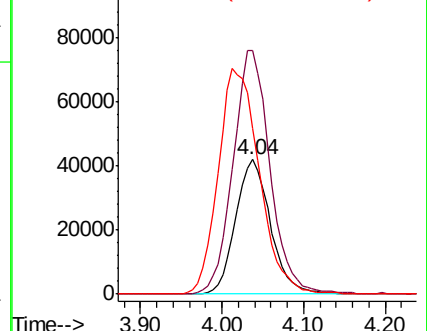
63 122.7 102.0 189.4

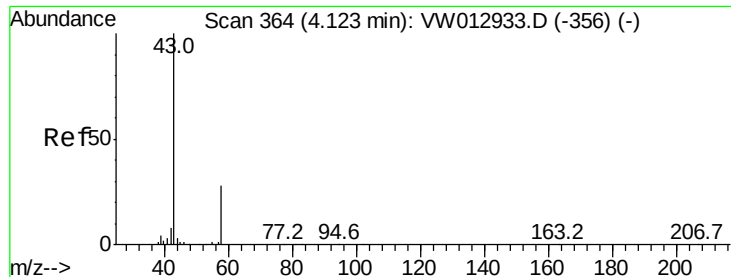


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 58.952 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW012949.D

Acq: 13 Sep 2019 11:11

Instrument :

MSVOA_W

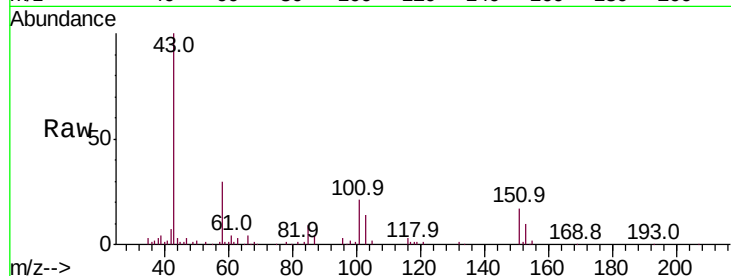
ClientSampled :

Tot Ion: 43 Resp: 75481

Ion Ratio Lower Upper

43 100

58 29.8 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

30000

25000

20000

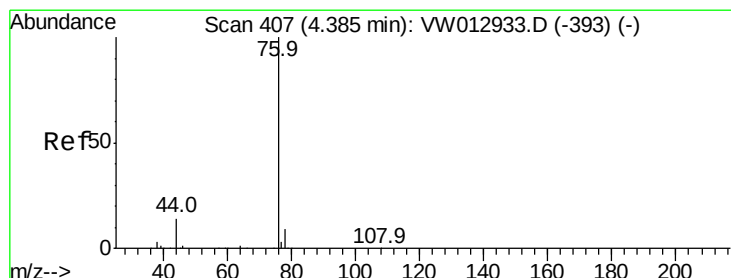
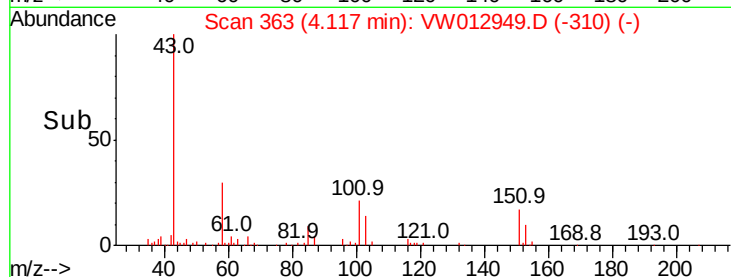
15000

10000

5000

0

Time--> 4.00 4.10 4.20



#14

Carbon disulfide

Concen: 26.871 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012949.D

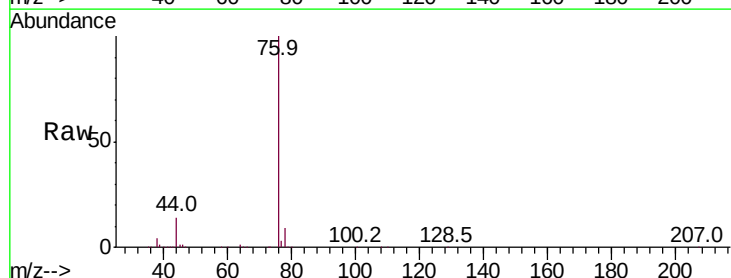
Acq: 13 Sep 2019 11:11

Tgt Ion: 76 Resp: 378486

Ion Ratio Lower Upper

76 100

78 8.9 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

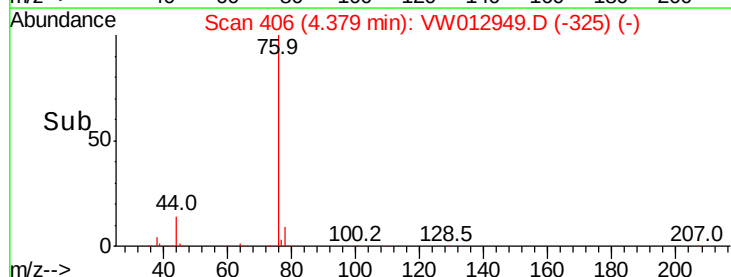
4.38

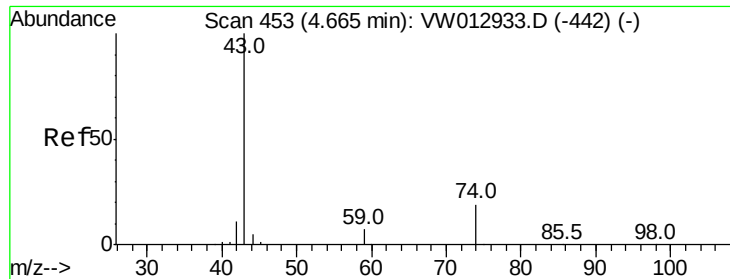
100000

50000

0

Time--> 4.30 4.40 4.50

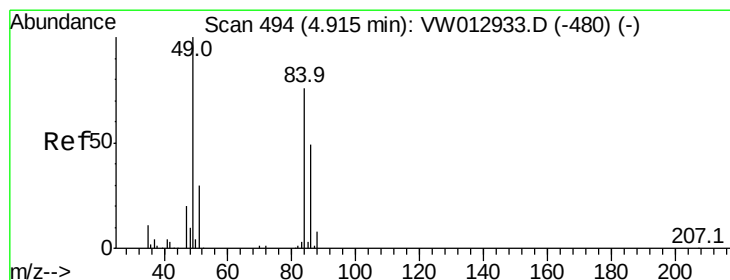
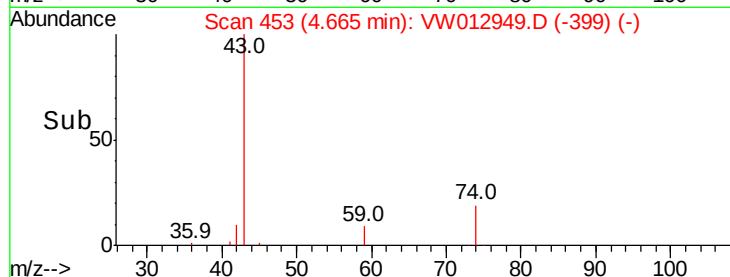
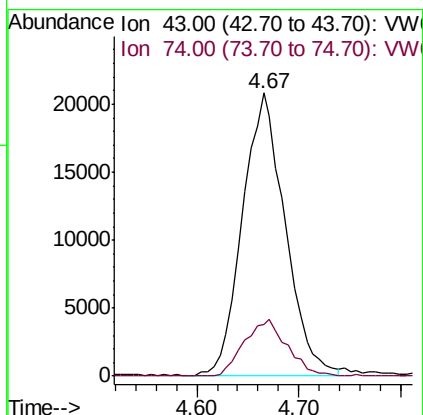
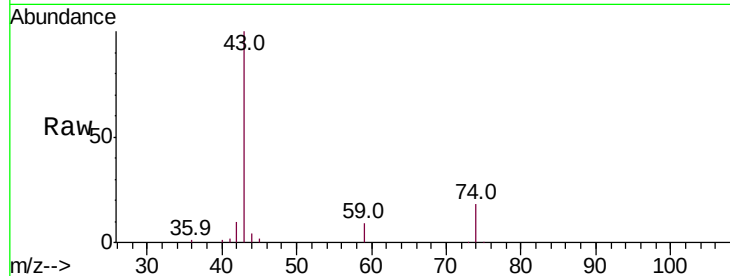




#15
Methvl Acetate
Concen: 25.198 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW012949.D
Acq: 13 Sep 2019 11:11

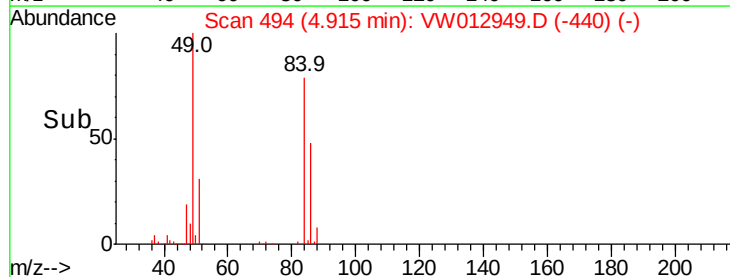
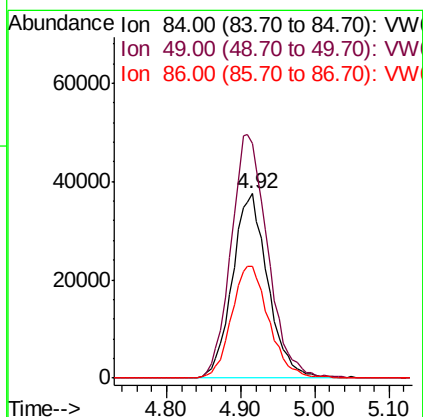
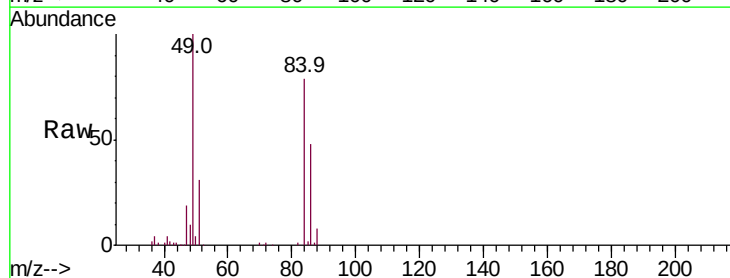
Instrument :
MSVOA_W
ClientSampled :

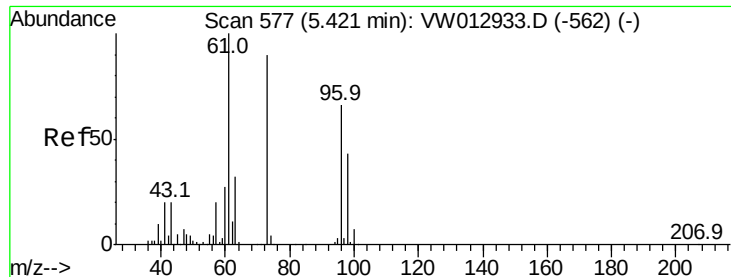
Tot Ion: 43 Resp: 60256
Ion Ratio Lower Upper
43 100
74 20.4 16.6 25.0



#16
Methylene chloride
Concen: 23.262 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW012949.D
Acq: 13 Sep 2019 11:11

Tgt Ion: 84 Resp: 125477
Ion Ratio Lower Upper
84 100
49 127.0 94.7 175.9
86 60.6 44.4 82.4





#17

Methyl tert-butyl Ether

Concen: 25.163 ug/L

RT: 5.42 min Scan# 577

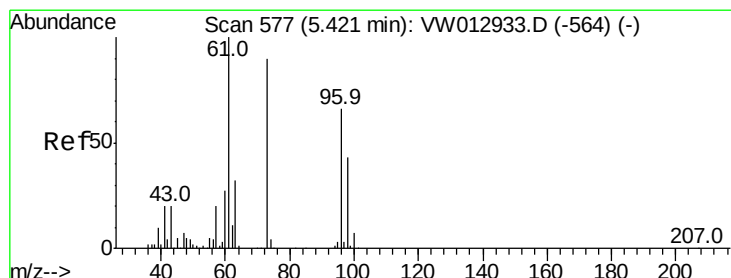
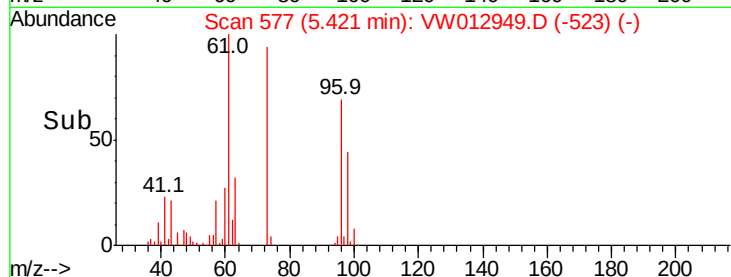
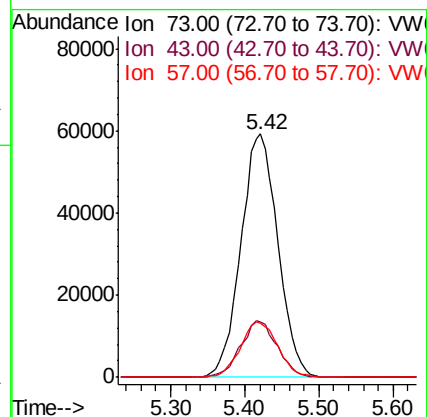
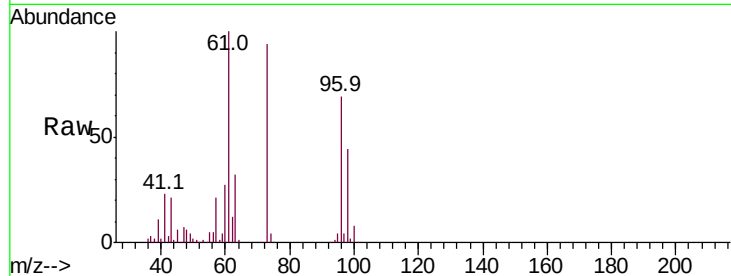
Delta R.T. -0.00 min

Lab File: VW012949.D

Acq: 13 Sep 2019 11:11

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
73	100		
43	22.7	18.0	27.0
57	23.0	18.0	27.0



#18

trans-1,2-Dichloroethene

Concen: 25.430 ug/L

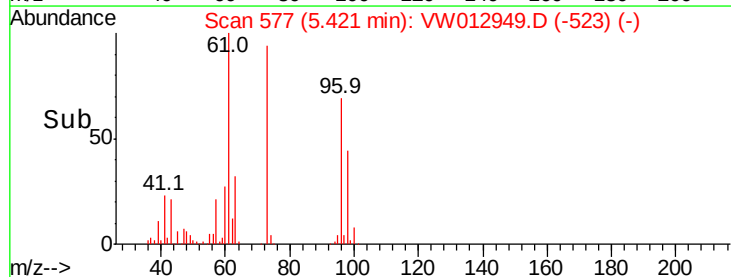
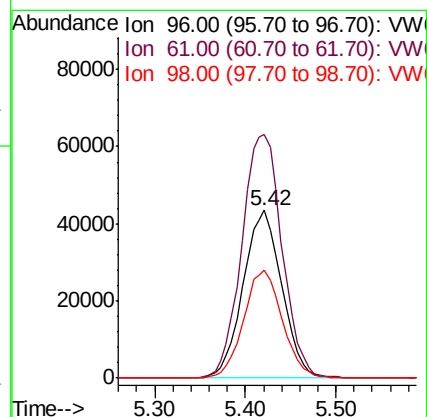
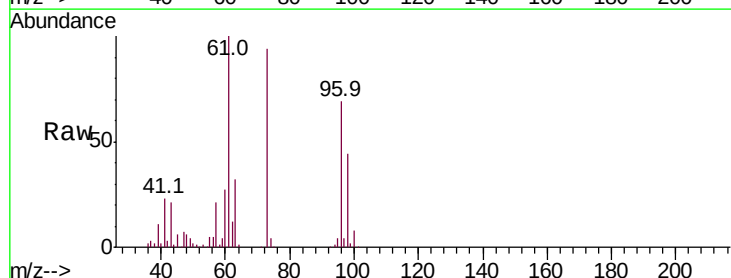
RT: 5.42 min Scan# 577

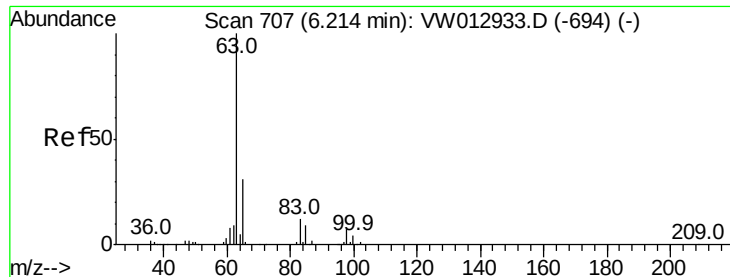
Delta R.T. -0.00 min

Lab File: VW012949.D

Acq: 13 Sep 2019 11:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.9	104.0	193.1
98	64.3	44.0	81.8

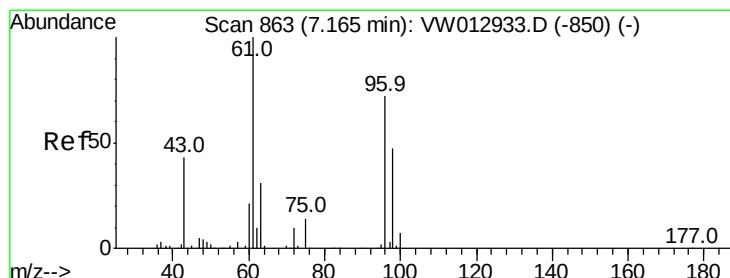
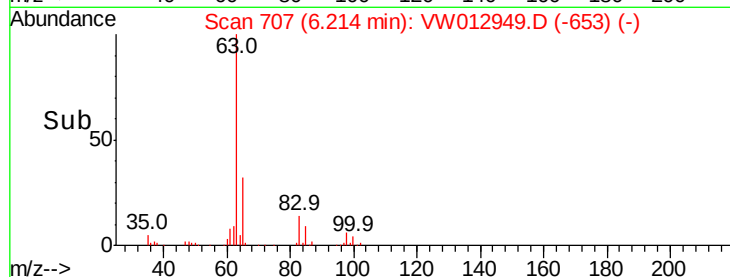
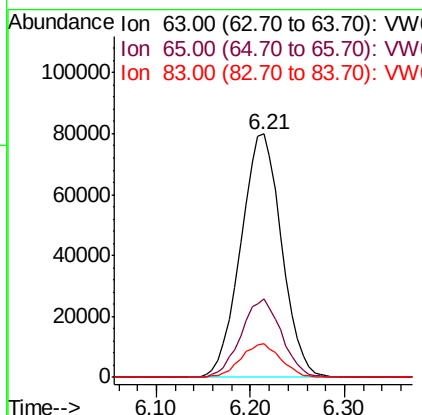
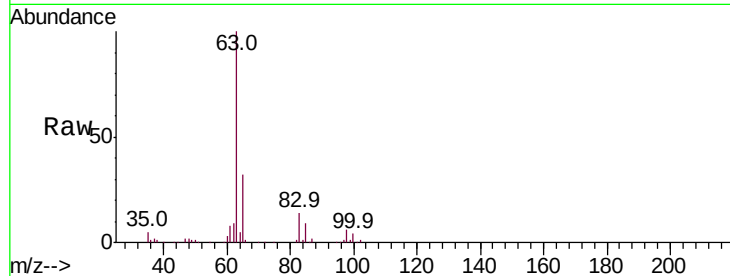




#19
 1,1-Dichloroethane
 Concen: 25.246 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW012949.D
 Acq: 13 Sep 2019 11:11

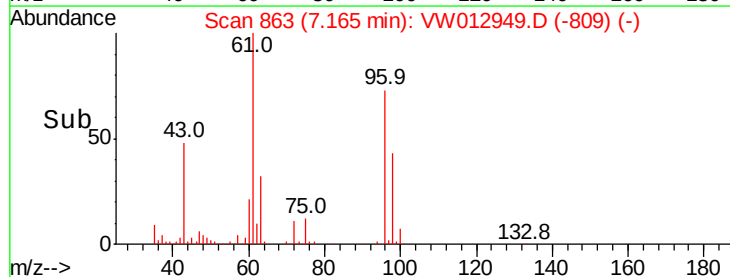
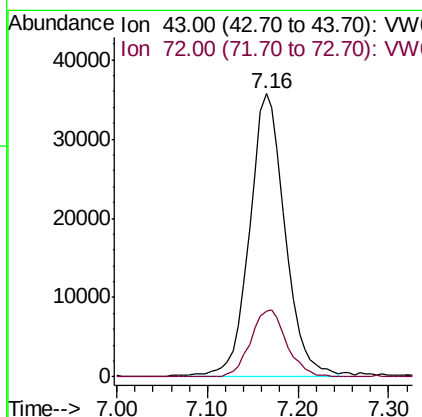
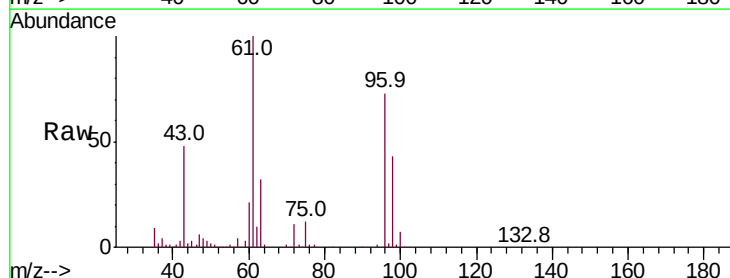
Instrument :
 MSVOA_W
 ClientSampled :

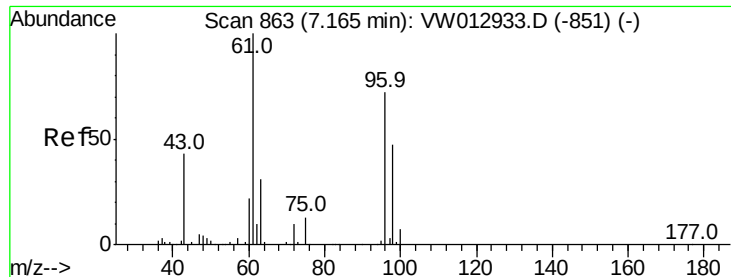
Tot Ion: 63 Resp: 241701
 Ion Ratio Lower Upper
 63 100
 65 32.1 22.0 41.0
 83 13.9 8.9 16.5



#21
 2-Butanone
 Concen: 57.171 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW012949.D
 Acq: 13 Sep 2019 11:11

Tgt Ion: 43 Resp: 96436
 Ion Ratio Lower Upper
 43 100
 72 24.2 12.7 38.1



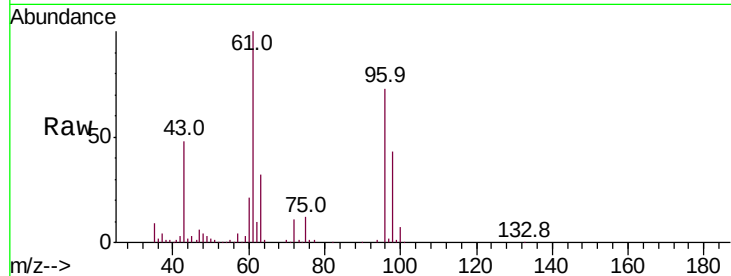


#22

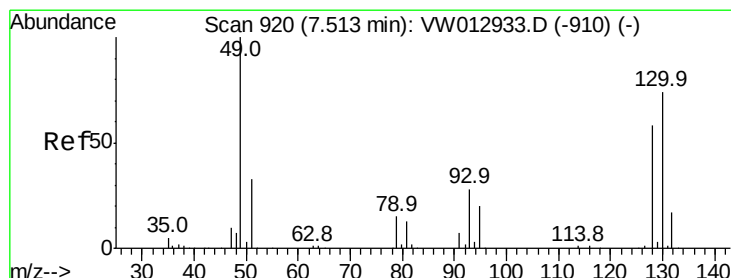
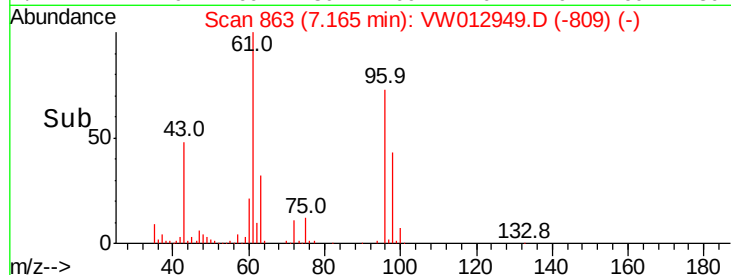
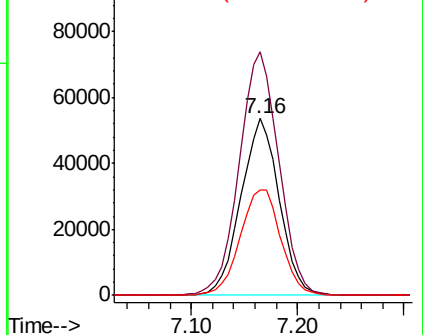
cis-1,2-Dichloroethene
Concen: 25.275 ug/L
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW012949.D
Acq: 13 Sep 2019 11:11

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 96 Resp: 135480
Ion Ratio Lower Upper
96 100
61 137.9 99.5 184.7
98 59.7 45.6 84.6



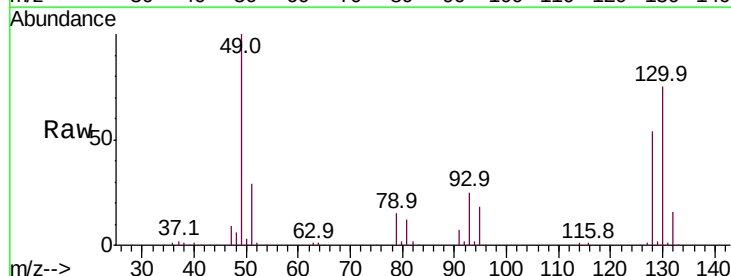
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



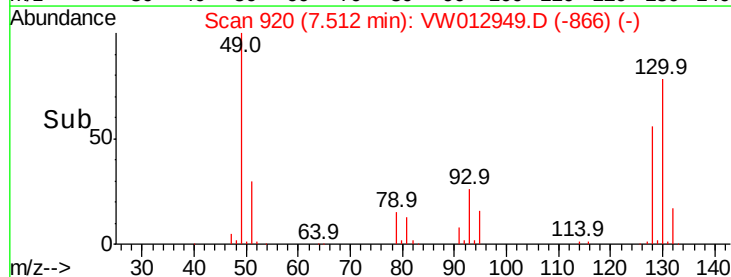
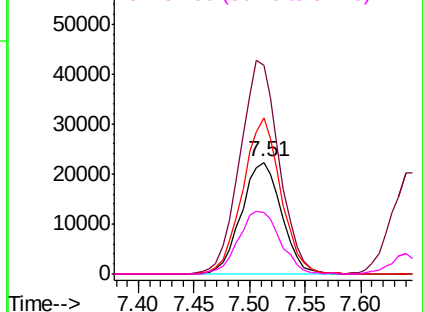
#23

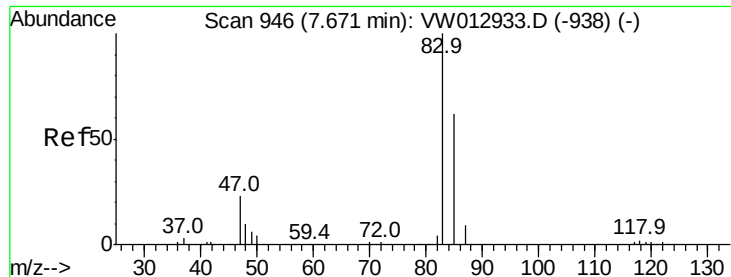
Bromochloromethane
Concen: 24.169 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW012949.D
Acq: 13 Sep 2019 11:11

Tgt Ion: 128 Resp: 56126
Ion Ratio Lower Upper
128 100
49 186.1 125.7 233.5
130 139.3 89.0 165.4
51 54.3 42.9 64.3



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VW
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VW

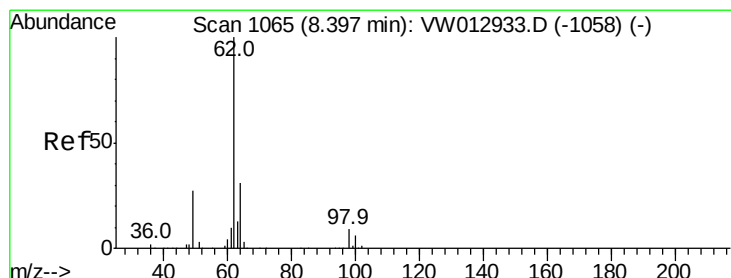
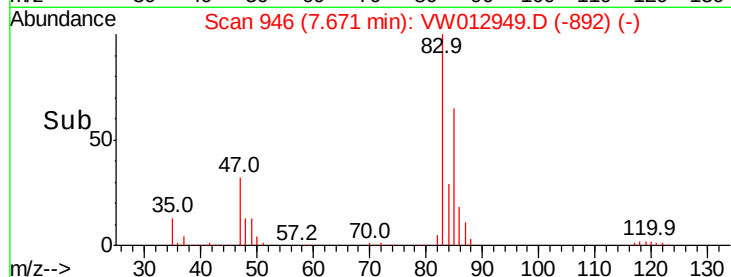
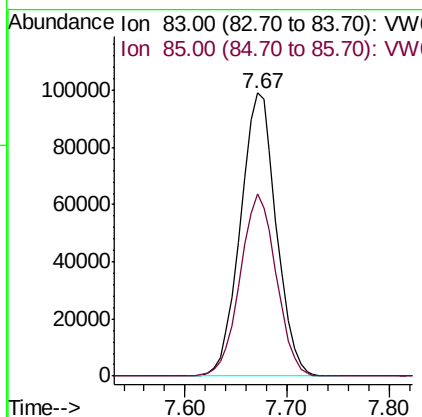
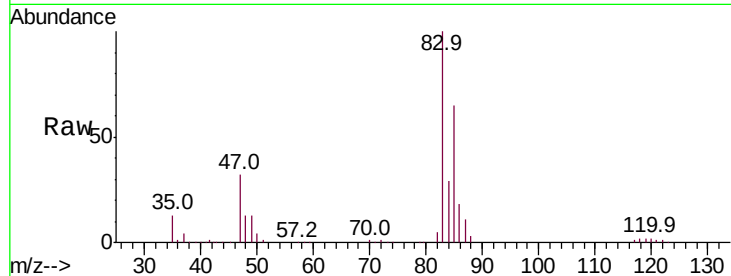




#25
Chloroform
Concen: 25.075 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW012949.D
Acq: 13 Sep 2019 11:11

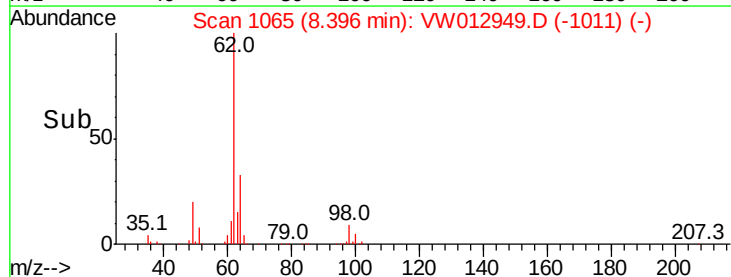
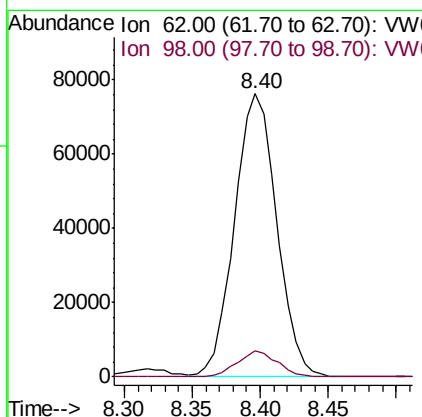
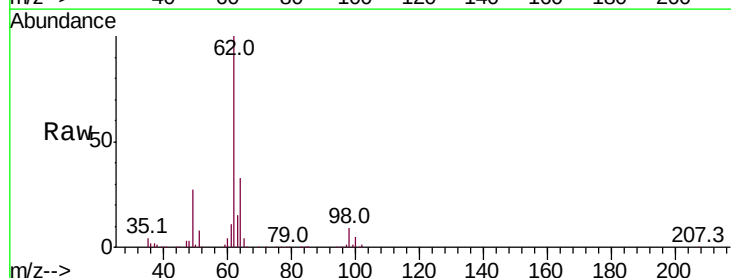
Instrument :
MSVOA_W
ClientSampled :

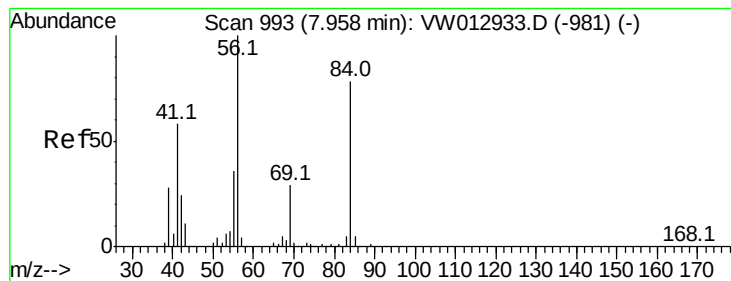
Tot Ion: 83 Resp: 241742
Ion Ratio Lower Upper
83 100
85 65.0 45.3 84.1



#27
1,2-Dichloroethane
Concen: 25.474 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012949.D
Acq: 13 Sep 2019 11:11

Tgt Ion: 62 Resp: 165965
Ion Ratio Lower Upper
62 100
98 9.1 6.7 10.1





#30

Cyclohexane

Concen: 26.713 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012949.D

Acq: 13 Sep 2019 11:11

Instrument :
MSVOA_W
ClientSampled :

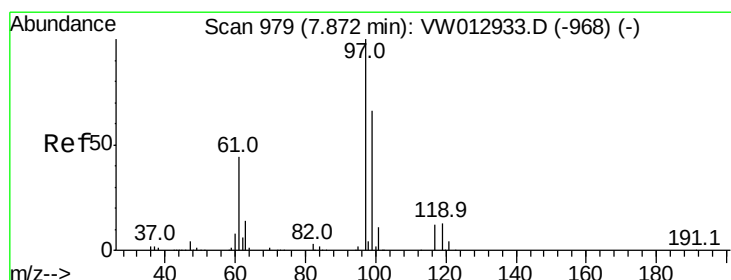
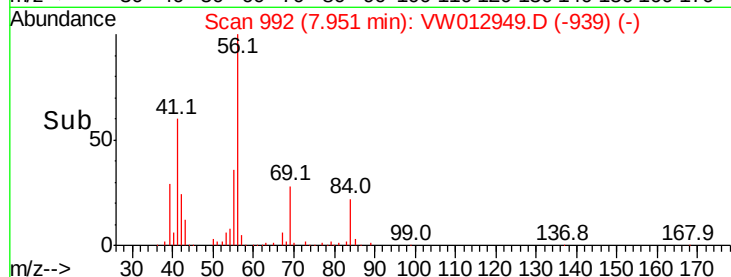
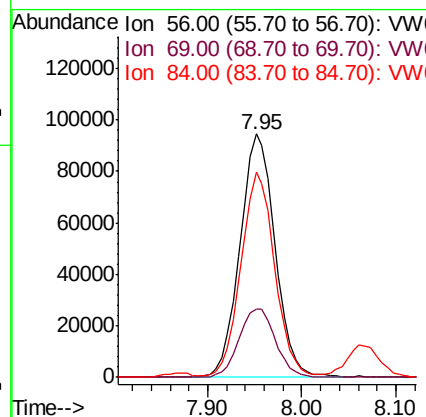
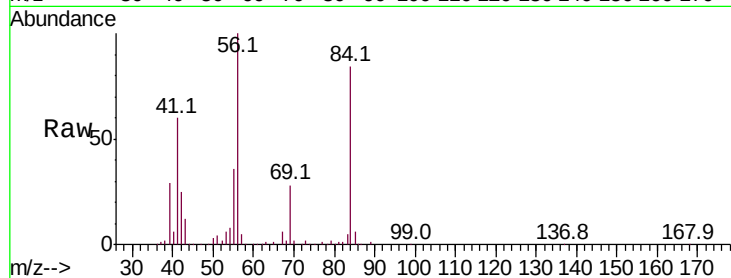
Tot Ion: 56 Resp: 245666

Ion Ratio Lower Upper

56 100

69 29.2 23.8 35.8

84 81.6 66.6 99.8



#31

1,1,1-Trichloroethane

Concen: 26.155 ug/L

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW012949.D

Acq: 13 Sep 2019 11:11

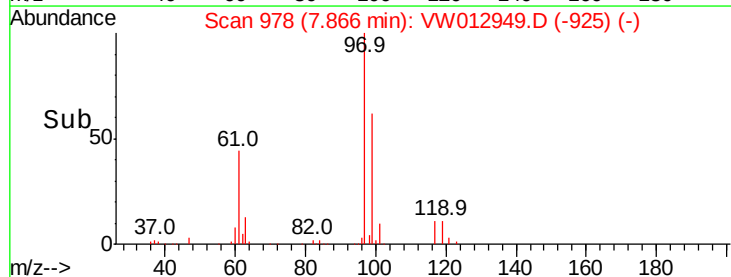
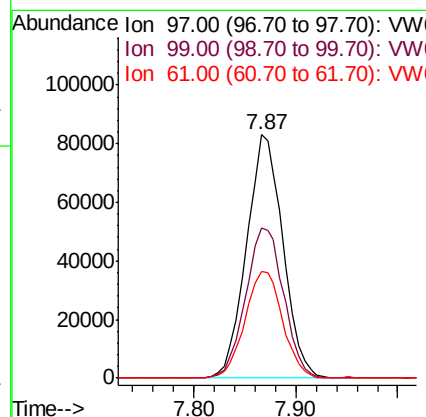
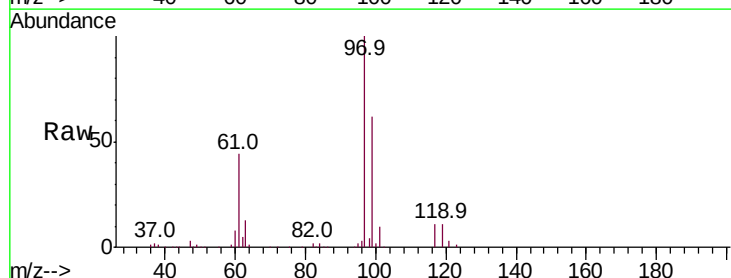
Tgt Ion: 97 Resp: 205701

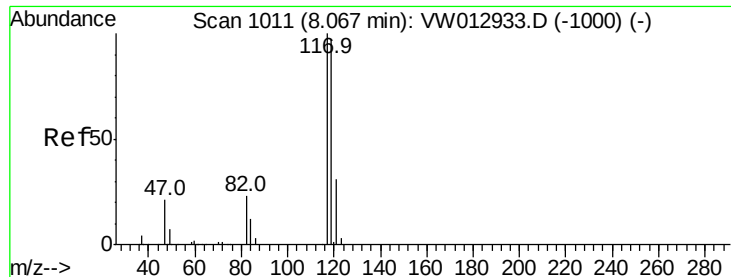
Ion Ratio Lower Upper

97 100

99 64.5 50.3 75.5

61 45.4 36.3 54.5





#32

Carbon tetrachloride

Concen: 26.282 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW012949.D

Acq: 13 Sep 2019 11:11

Instrument :

MSVOA_W

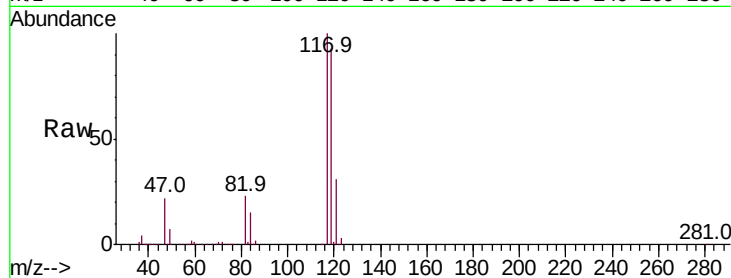
ClientSampleId :

Tot Ion:117 Resp: 193002

Ion Ratio Lower Upper

117 100

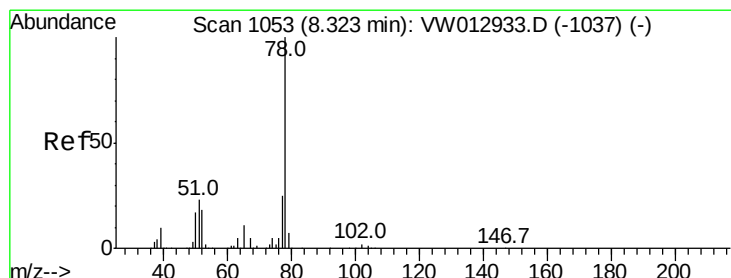
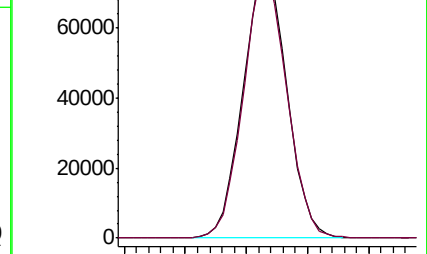
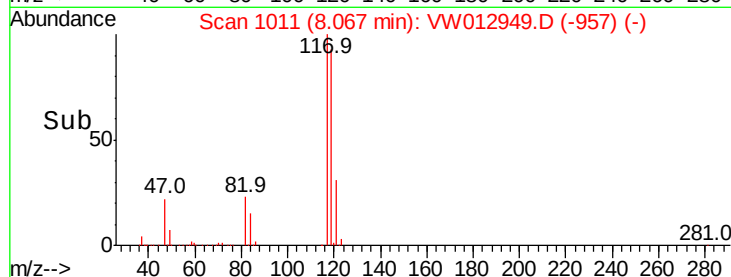
119 96.7 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07



#34

Benzene

Concen: 25.297 ug/L

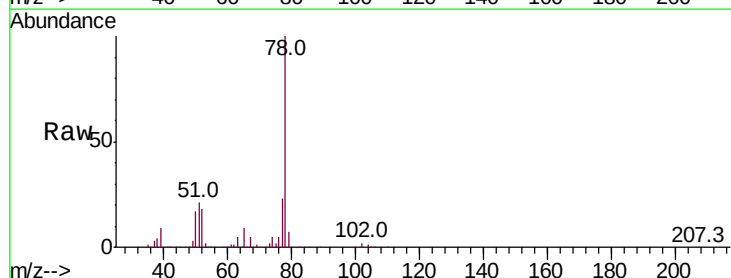
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW012949.D

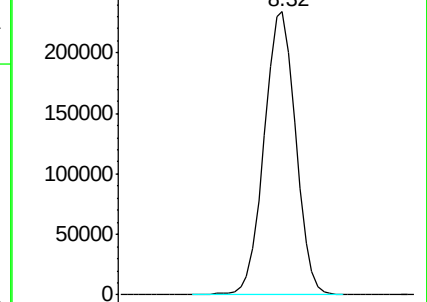
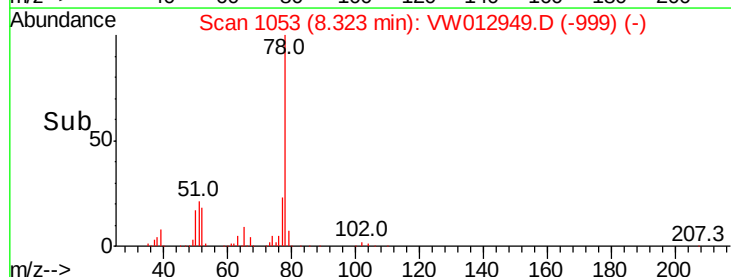
Acq: 13 Sep 2019 11:11

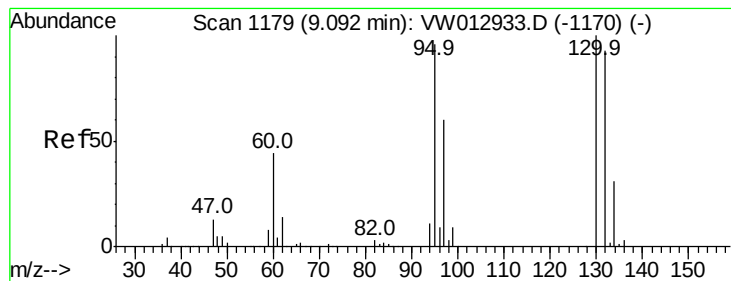
Tgt Ion: 78 Resp: 524884



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32





#35

Trichloroethene

Concen: 25.631 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW012949.D

Acq: 13 Sep 2019 11:11

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 95 Resp: 140351

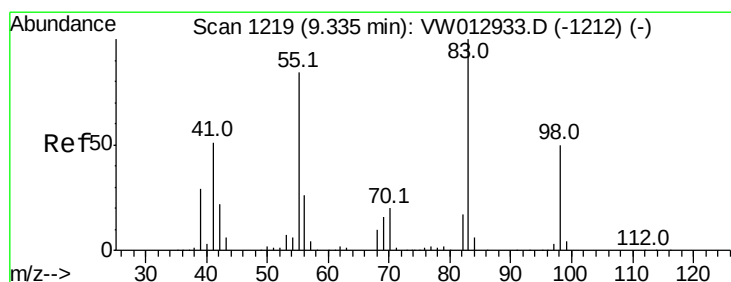
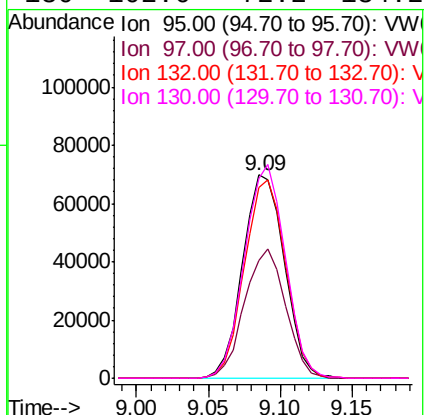
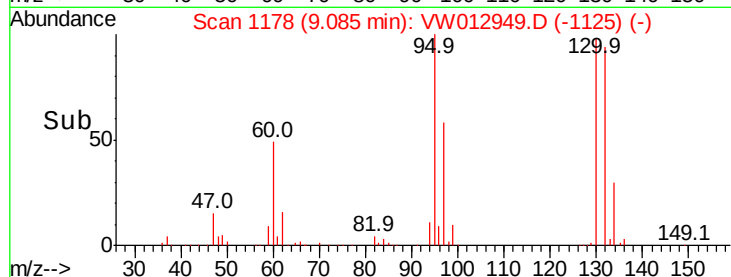
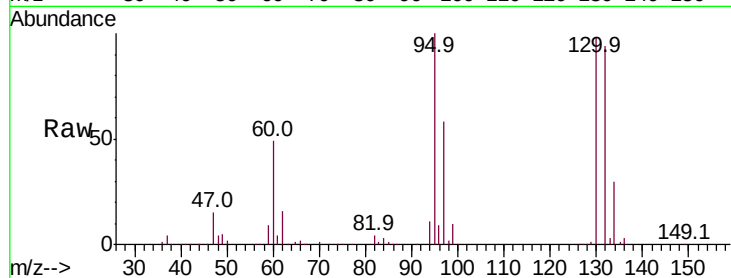
Ion Ratio Lower Upper

95 100

97 62.7 44.6 82.8

132 96.3 67.8 125.8

130 102.6 72.2 134.2



#36

Methylcyclohexane

Concen: 25.989 ug/L

RT: 9.33 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VW012949.D

Acq: 13 Sep 2019 11:11

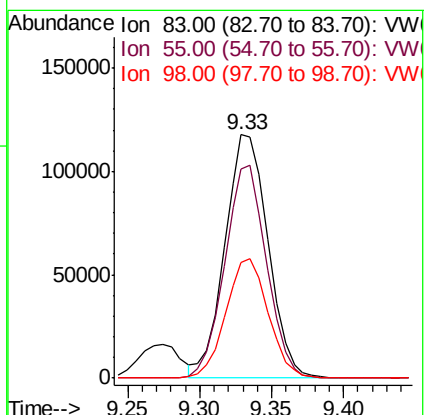
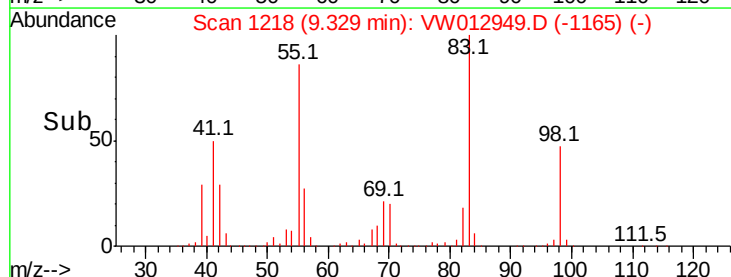
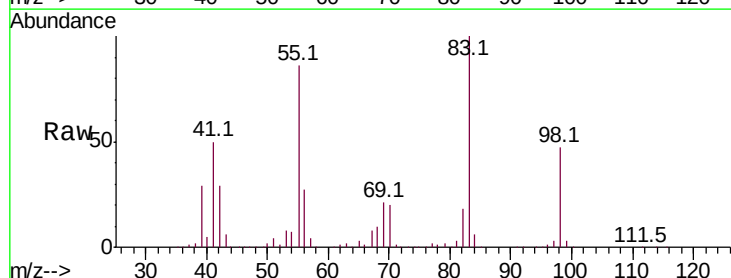
Tgt Ion: 83 Resp: 246089

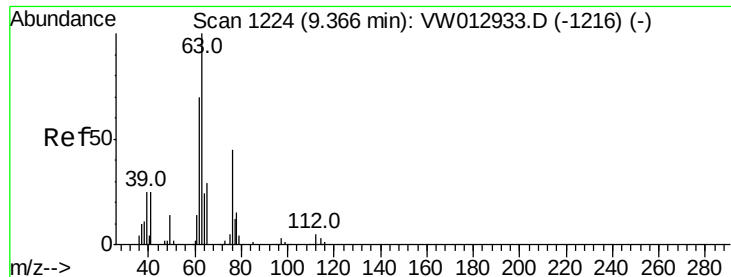
Ion Ratio Lower Upper

83 100

55 84.6 68.3 102.5

98 48.3 38.5 57.7

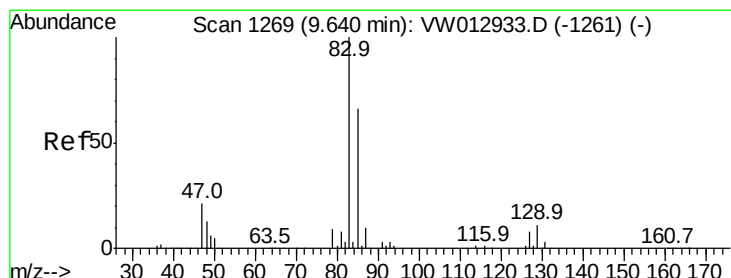
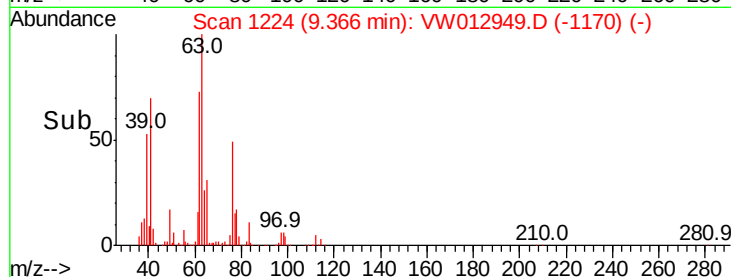
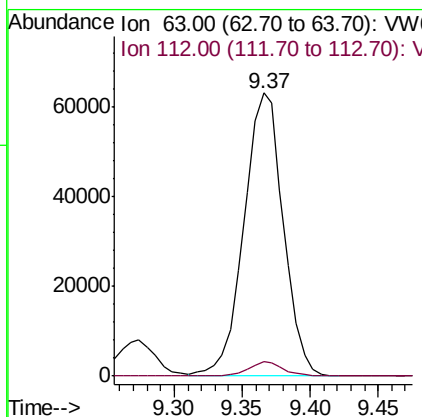
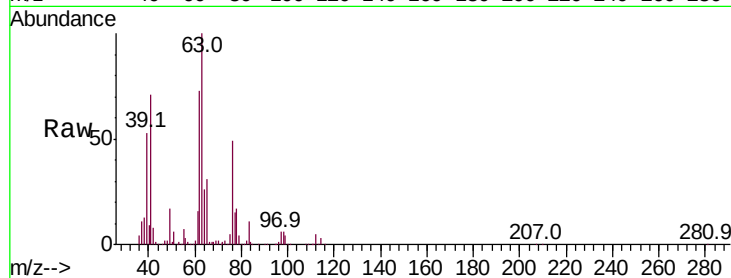




#40
 1,2-Dichloropropane
 Concen: 24.559 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012949.D
 Acq: 13 Sep 2019 11:11

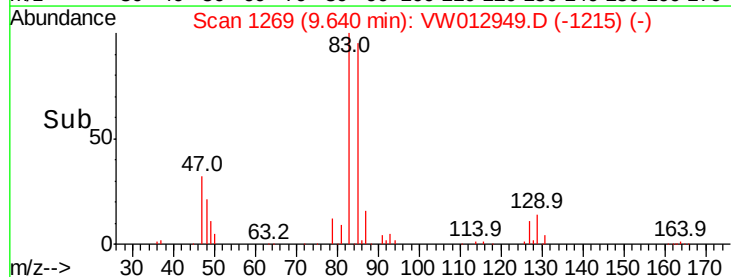
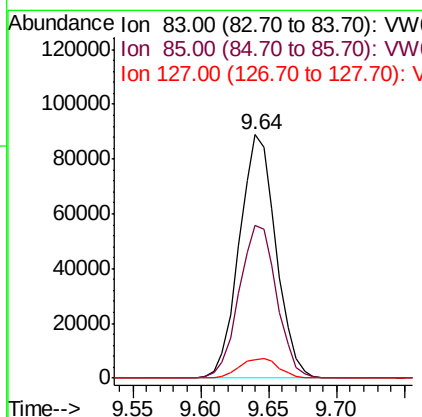
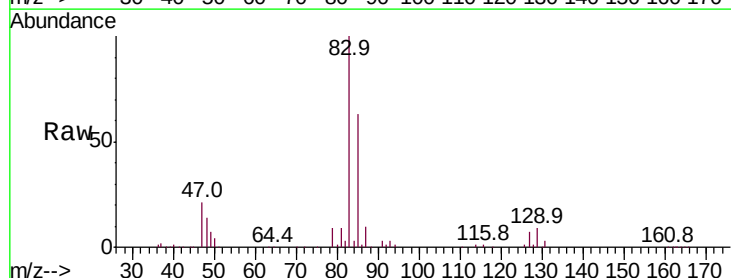
Instrument :
 MSVOA_W
 ClientSampleId :

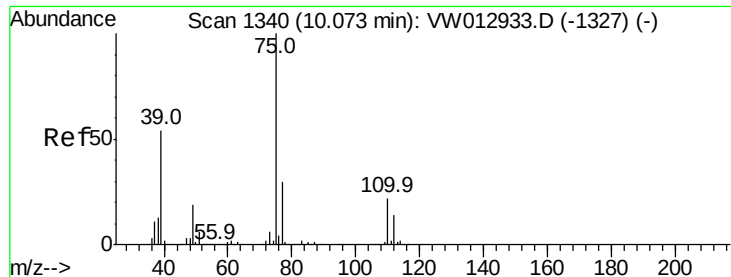
Tot Ion: 63 Resp: 128177
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.8 5.8



#41
 Bromodichloromethane
 Concen: 25.150 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW012949.D
 Acq: 13 Sep 2019 11:11

Tgt Ion: 83 Resp: 167217
 Ion Ratio Lower Upper
 83 100
 85 62.6 44.4 82.4
 127 7.4 7.0 10.6

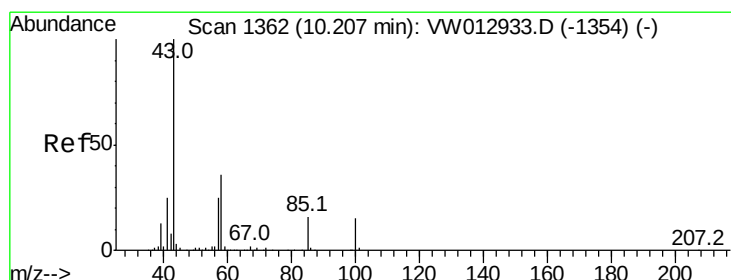
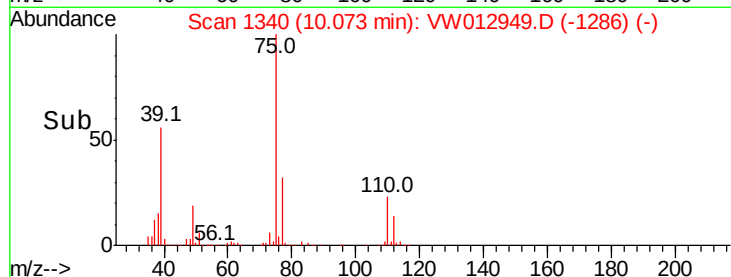
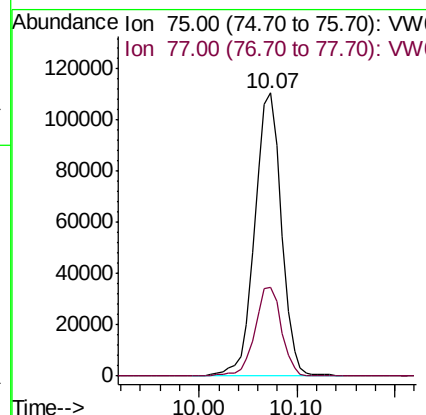
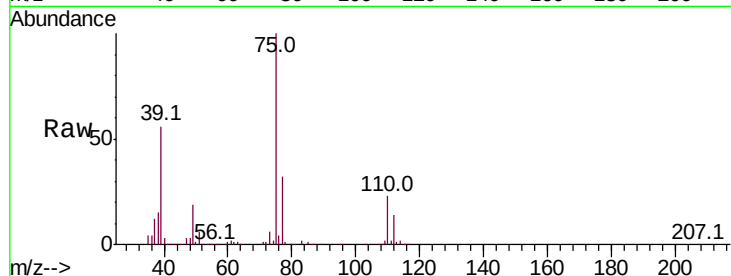




#42
 cis-1,3-Dichloropropene
 Concen: 25.529 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW012949.D
 Acq: 13 Sep 2019 11:11

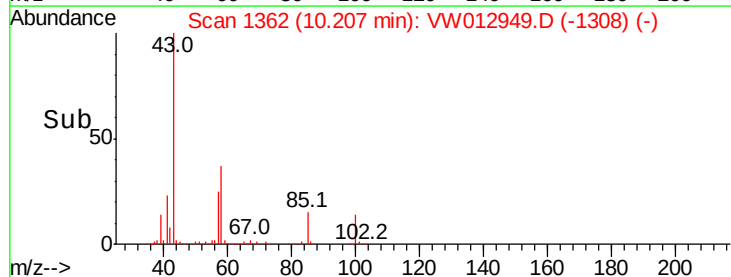
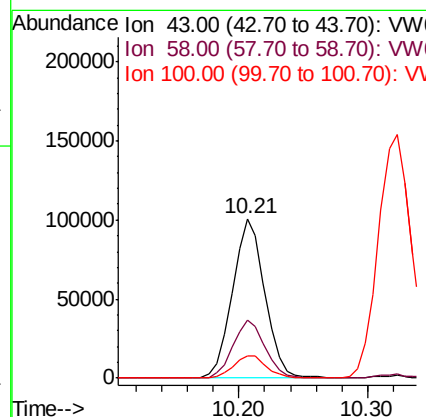
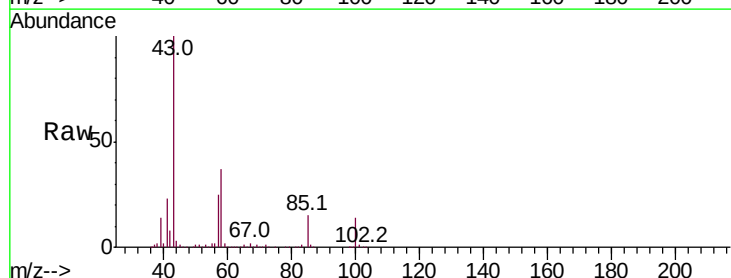
Instrument :
 MSVOA_W
 ClientSampleId :

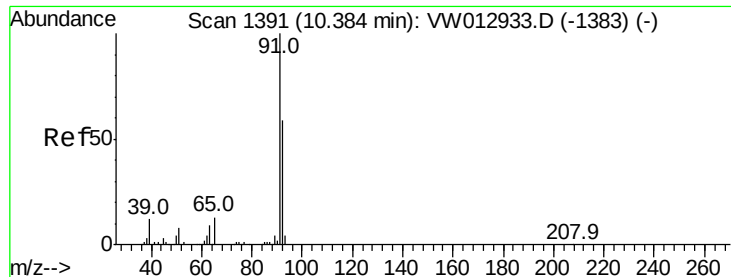
Tot Ion: 75 Resp: 209335
 Ion Ratio Lower Upper
 75 100
 77 31.6 21.6 40.0



#43
 4-Methyl-2-pentanone
 Concen: 52.972 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW012949.D
 Acq: 13 Sep 2019 11:11

Tgt Ion: 43 Resp: 175877
 Ion Ratio Lower Upper
 43 100
 58 35.7 29.5 44.3
 100 14.1 11.5 17.3





#44

Toluene

Concen: 25.147 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW012949.D

Acq: 13 Sep 2019 11:11

Instrument :

MSVOA_W

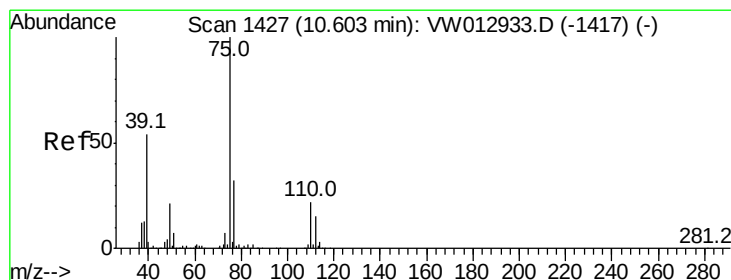
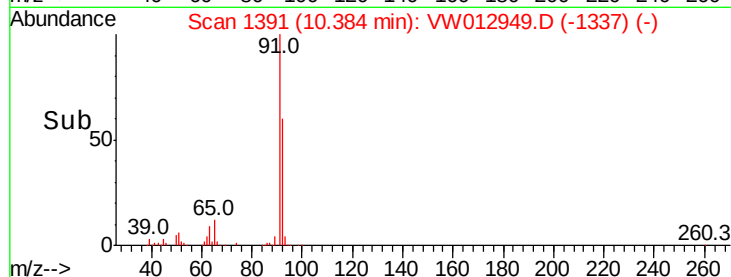
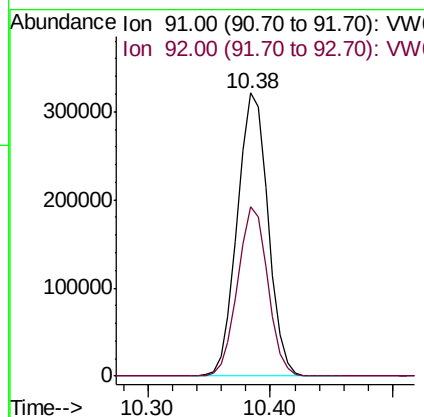
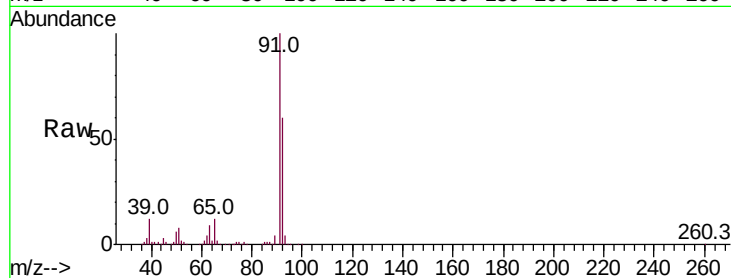
ClientSampleId :

Tot Ion: 91 Resp: 558307

Ion Ratio Lower Upper

91 100

92 59.8 40.7 75.5



#45

trans-1,3-Dichloropropene

Concen: 25.671 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012949.D

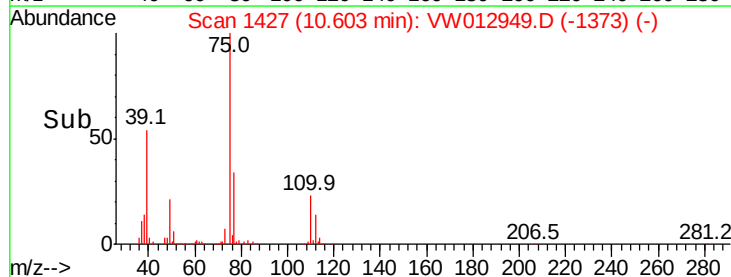
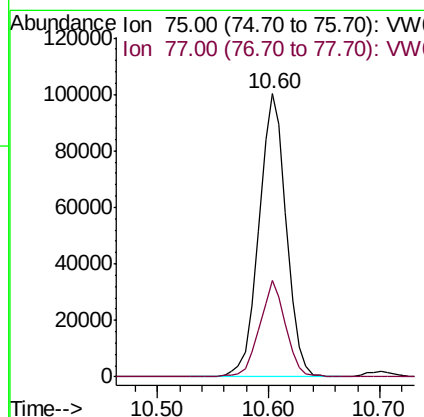
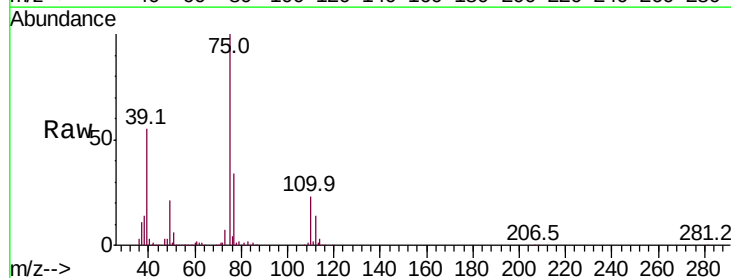
Acq: 13 Sep 2019 11:11

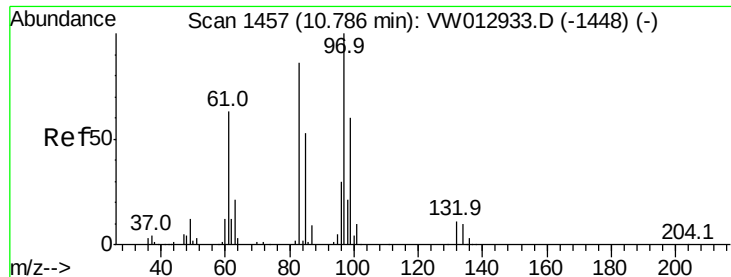
Tgt Ion: 75 Resp: 170624

Ion Ratio Lower Upper

75 100

77 34.0 21.8 40.4

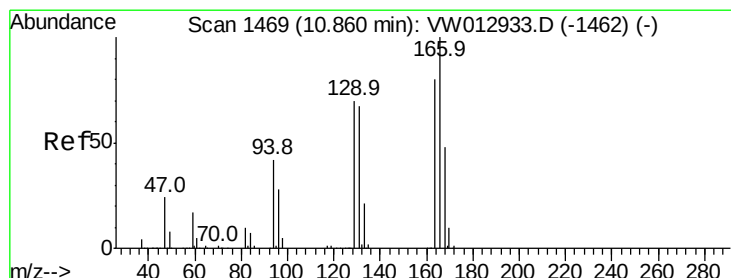
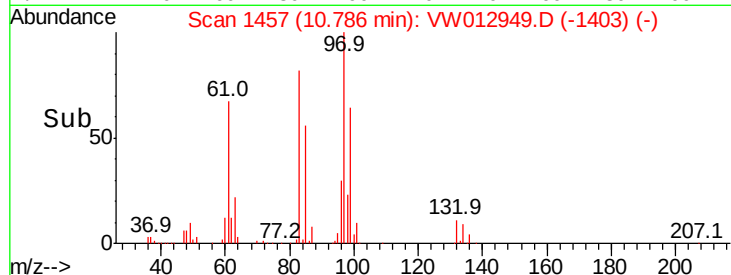
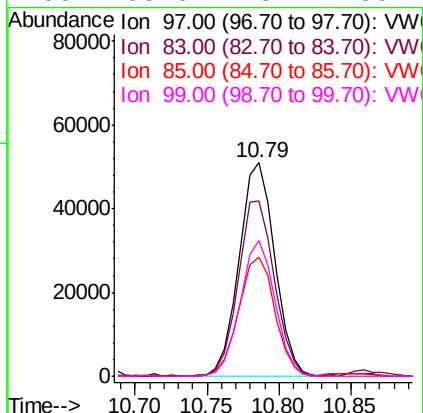
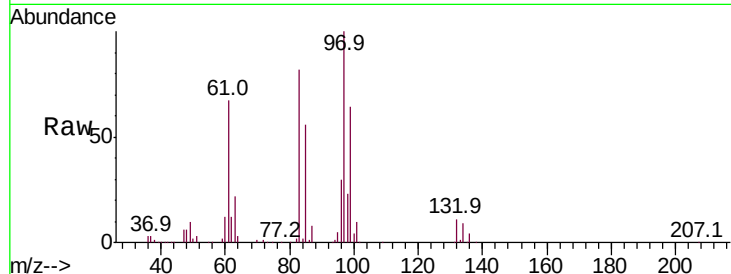




#46
 1,1,2-Trichloroethane
 Concen: 25.006 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012949.D
 Acq: 13 Sep 2019 11:11

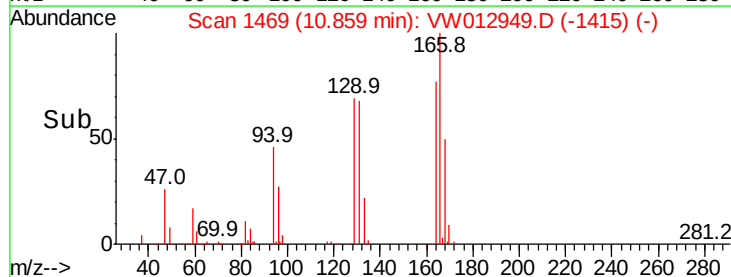
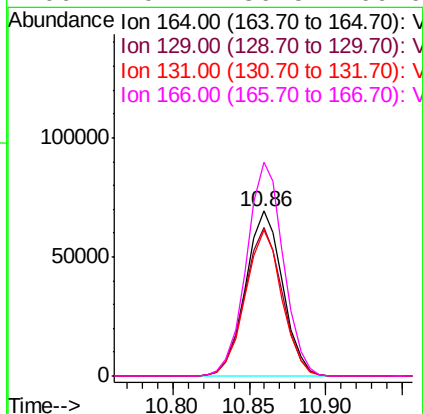
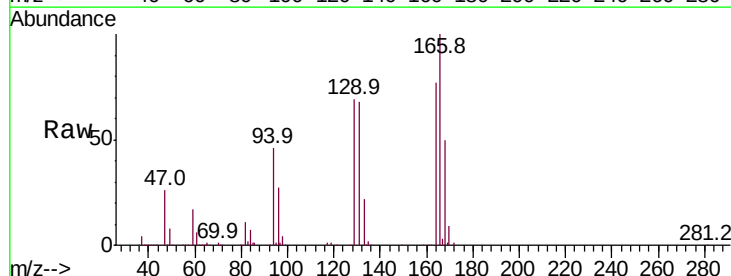
Instrument :
 MSVOA_W
 ClientSampleId :

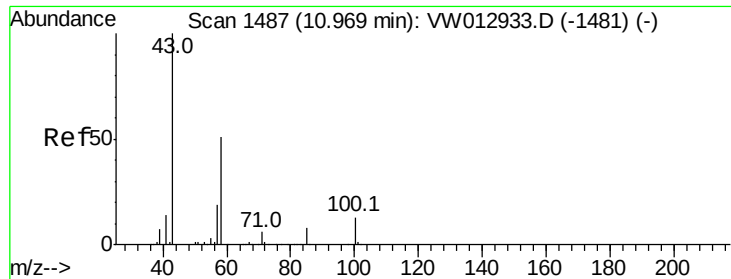
Tot Ion:	97	Resp:	87764
Ion	Ratio	Lower	Upper
97	100		
83	81.9	60.6	112.6
85	56.0	37.5	69.6
99	63.6	43.2	80.2



#47
 Tetrachloroethene
 Concen: 24.745 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VW012949.D
 Acq: 13 Sep 2019 11:11

Tgt Ion:	164	Resp:	116674
Ion	Ratio	Lower	Upper
164	100		
129	89.9	62.6	116.3
131	88.3	60.0	111.4
166	129.4	86.5	160.6





#49

2-Hexanone

Concen: 55.521 ug/L

RT: 10.96 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VW012949.D

Acq: 13 Sep 2019 11:11

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 43 Resp: 136260

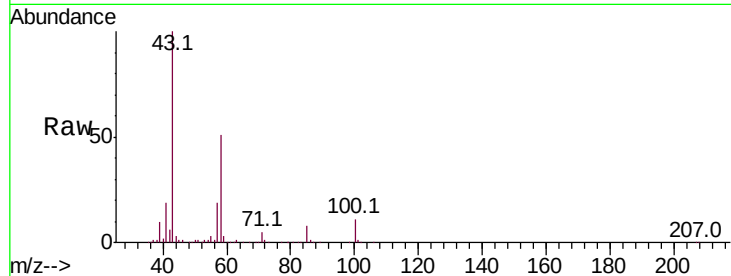
Ion Ratio Lower Upper

43 100

58 51.9 42.4 63.6

57 18.1 15.0 22.6

100 11.1 9.0 13.6

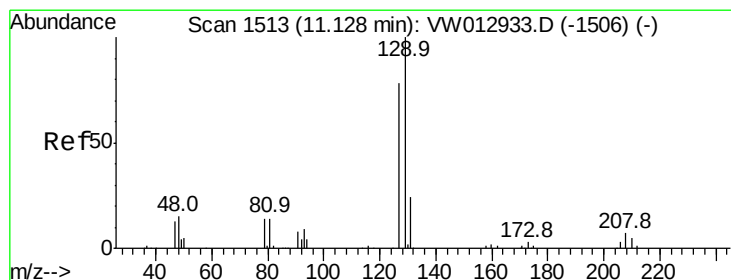
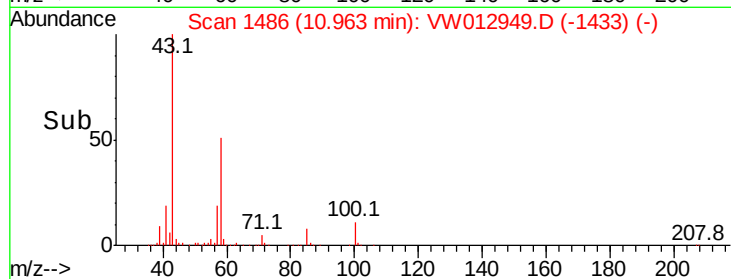
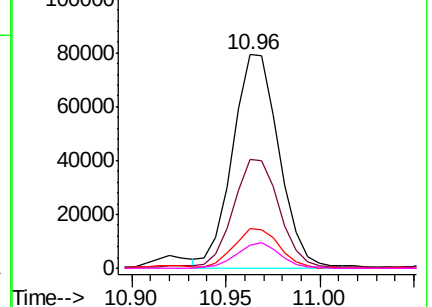


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 25.903 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW012949.D

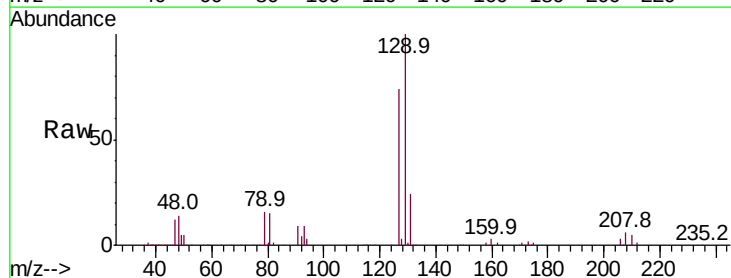
Acq: 13 Sep 2019 11:11

Tgt Ion: 129 Resp: 110721

Ion Ratio Lower Upper

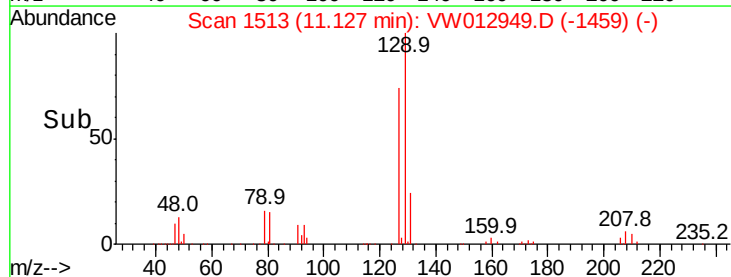
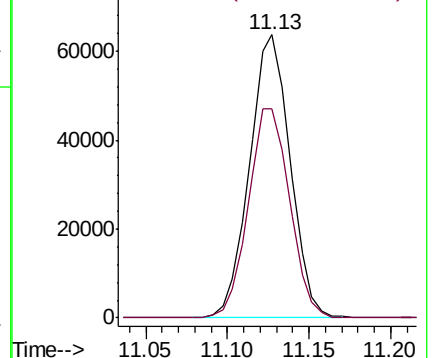
129 100

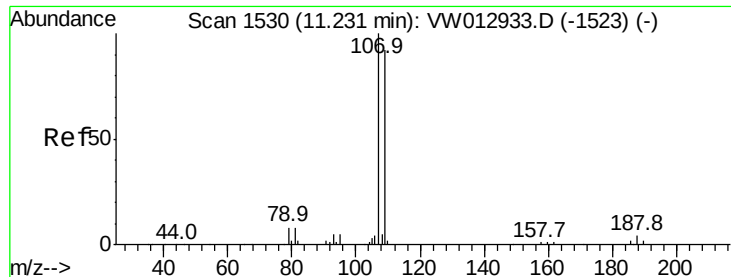
127 73.9 52.7 97.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

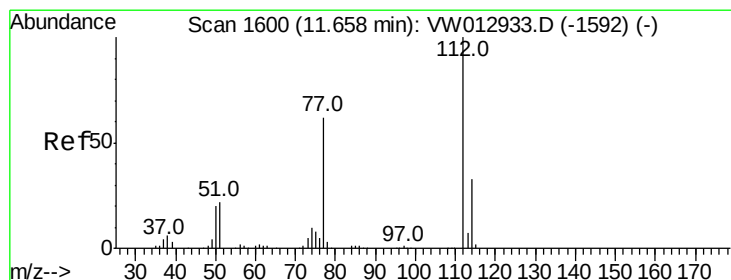
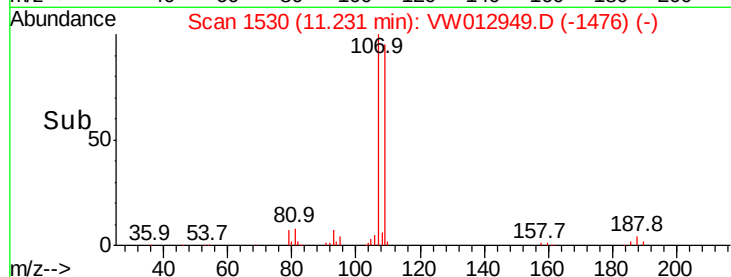
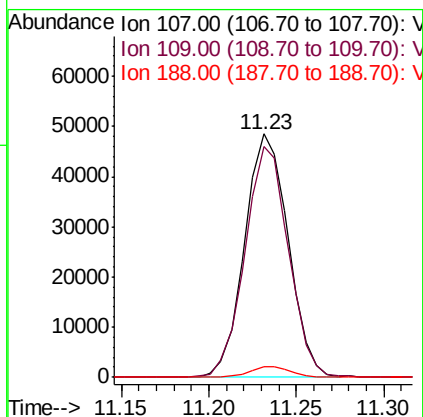
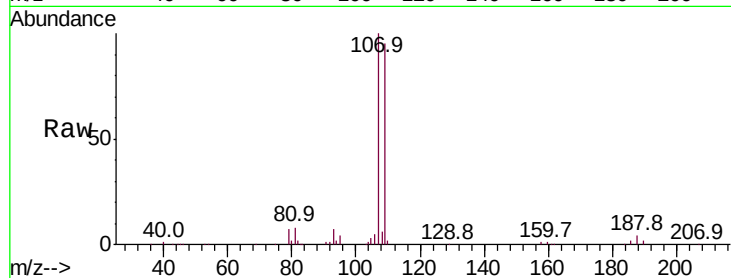




#51
1,2-Dibromoethane
Concen: 24.841 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW012949.D
Acq: 13 Sep 2019 11:11

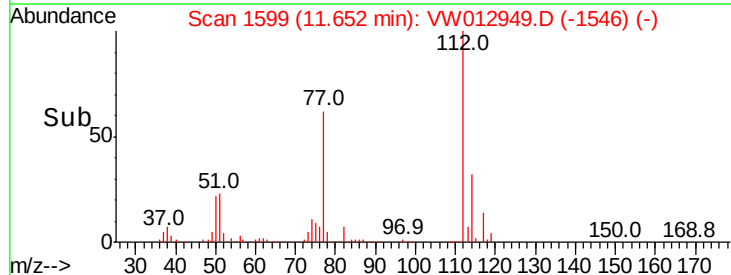
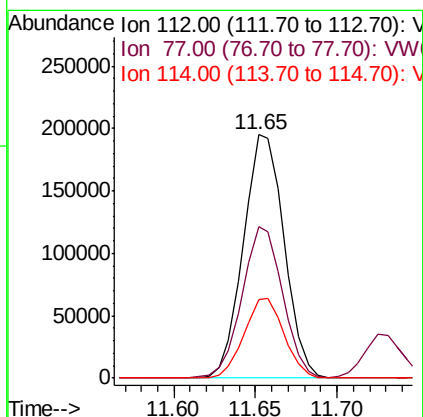
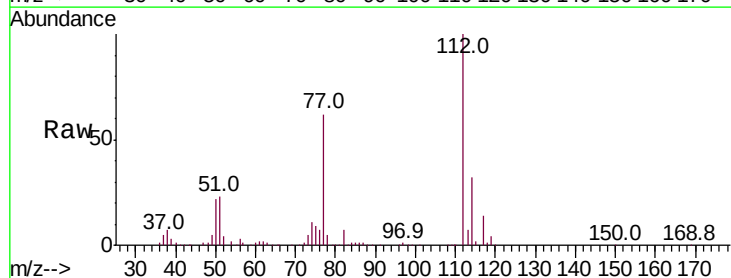
Instrument :
MSVOA_W
ClientSampleId :

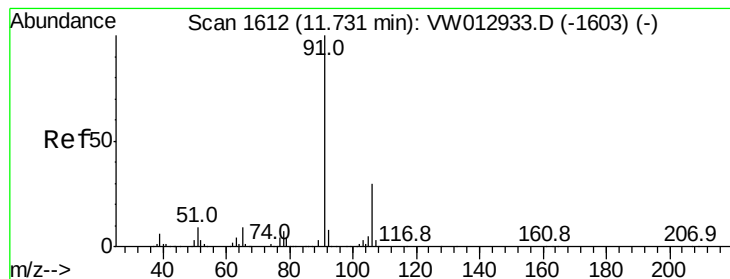
Tot Ion:107 Resp: 83863
Ion Ratio Lower Upper
107 100
109 95.0 62.6 116.3
188 4.2 4.2 6.2



#52
Chlorobenzene
Concen: 24.489 ug/L
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW012949.D
Acq: 13 Sep 2019 11:11

Tgt Ion:112 Resp: 339701
Ion Ratio Lower Upper
112 100
77 62.2 47.7 71.5
114 32.1 21.6 40.0





#53

Ethylbenzene

Concen: 25.135 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW012949.D

Acq: 13 Sep 2019 11:11

Instrument :

MSVOA_W

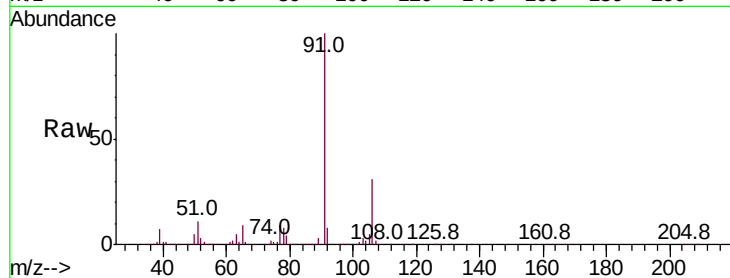
ClientSampleId :

Tot Ion: 91 Resp: 633328

Ion Ratio Lower Upper

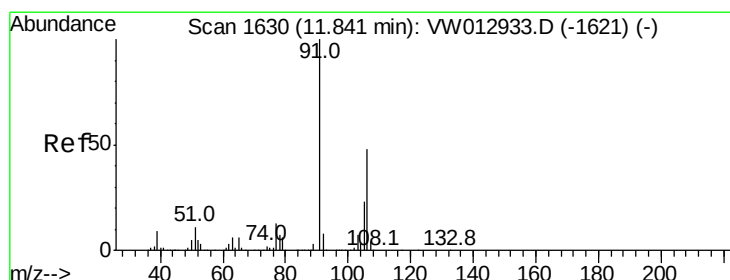
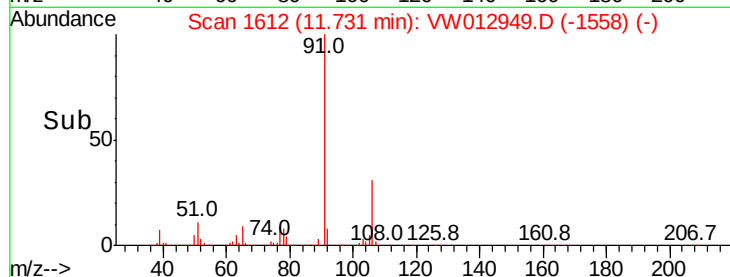
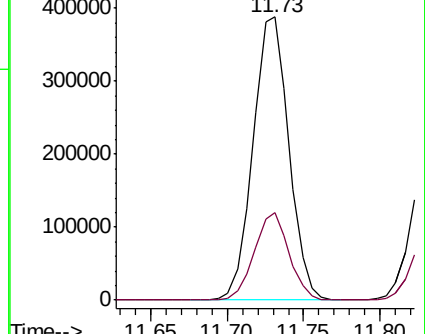
91 100

106 31.1 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 24.982 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW012949.D

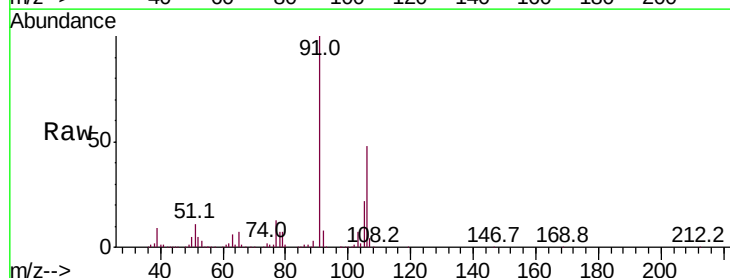
Acq: 13 Sep 2019 11:11

Tgt Ion:106 Resp: 235351

Ion Ratio Lower Upper

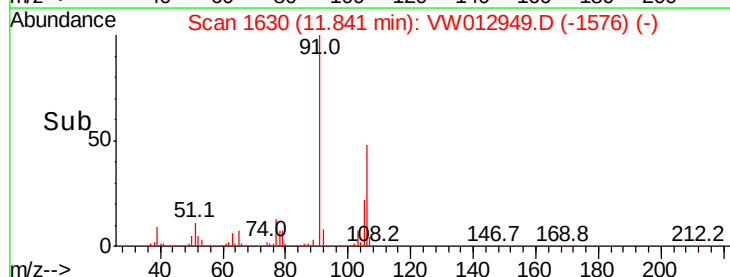
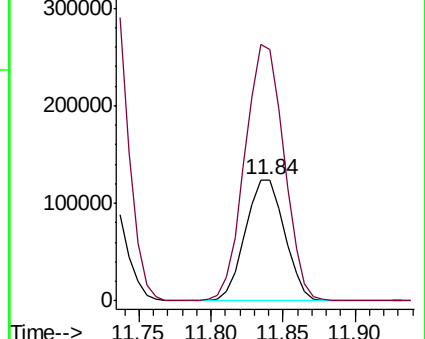
106 100

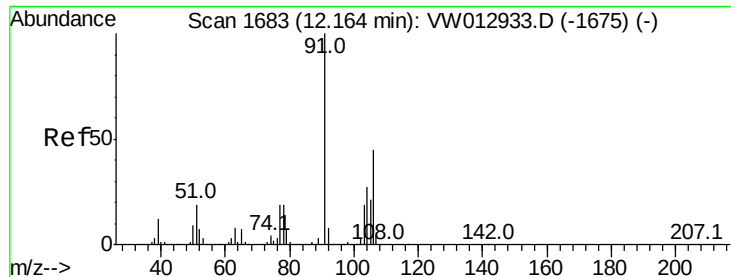
91 207.1 145.0 269.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#55

o-xylene

Concen: 25.224 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW012949.D

Acq: 13 Sep 2019 11:11

Instrument :

MSVOA_W

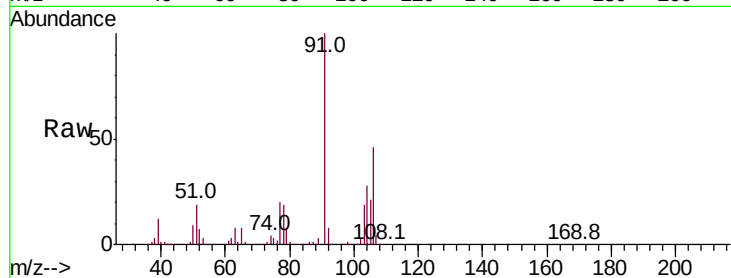
ClientSampled :

Tot Ion:106 Resp: 223547

Ion Ratio Lower Upper

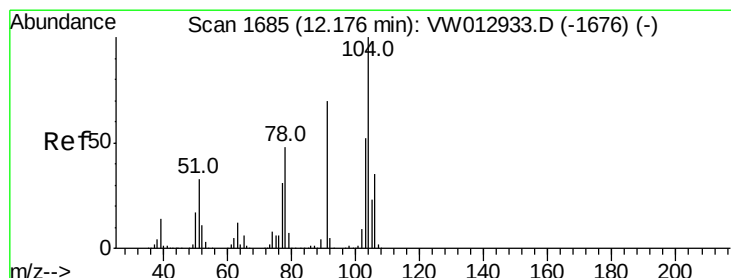
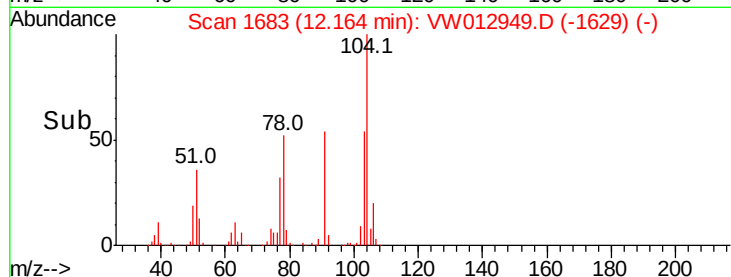
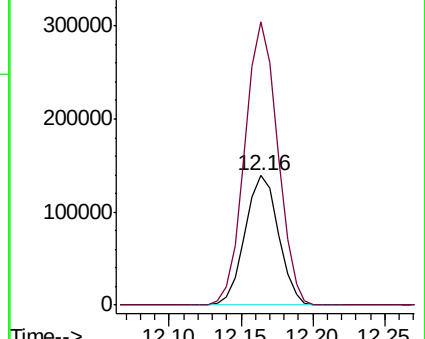
106 100

91 218.3 153.2 284.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 25.082 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VW012949.D

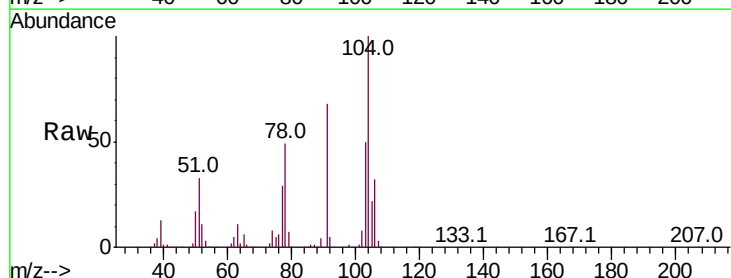
Acq: 13 Sep 2019 11:11

Tgt Ion:104 Resp: 378237

Ion Ratio Lower Upper

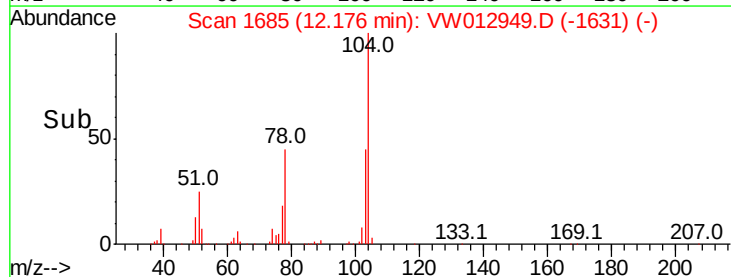
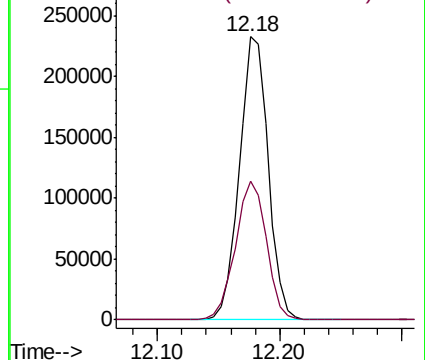
104 100

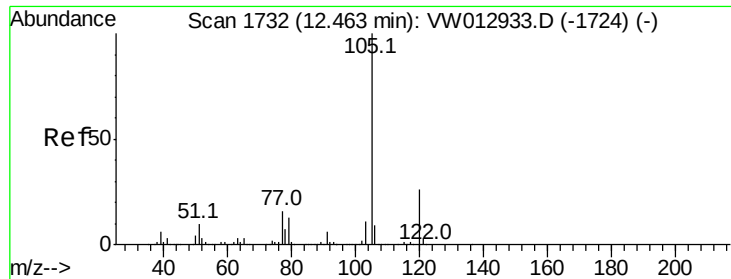
78 49.2 34.5 64.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 25.627 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012949.D

Acq: 13 Sep 2019 11:11

Instrument :

MSVOA_W

ClientSampled :

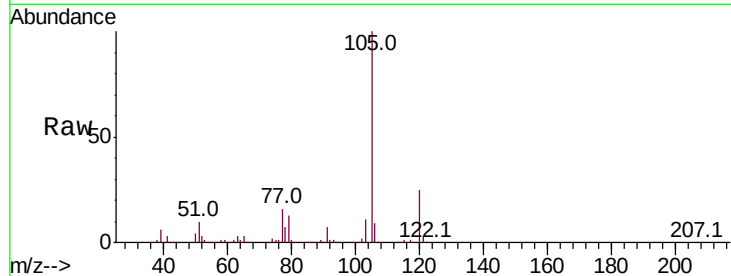
Tot Ion:105 Resp: 623692

Ion Ratio Lower Upper

105 100

120 25.8 20.6 31.0

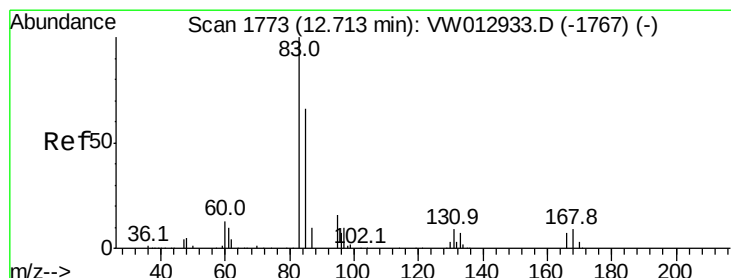
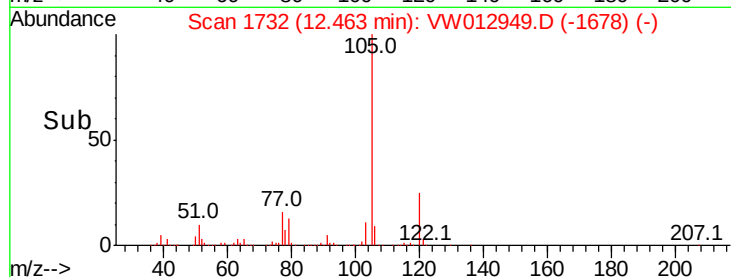
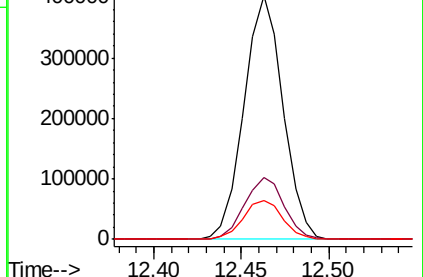
77 16.2 12.9 19.3



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: 25.485 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012949.D

Acq: 13 Sep 2019 11:11

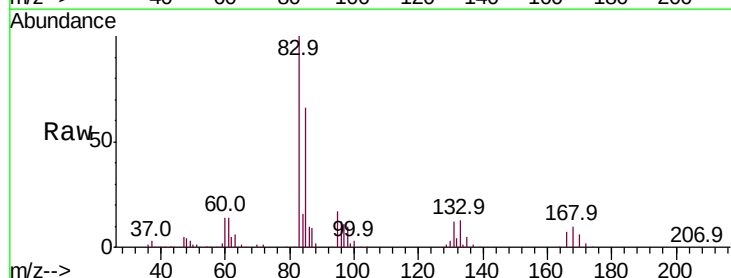
Tgt Ion: 83 Resp: 101734

Ion Ratio Lower Upper

83 100

85 66.0 44.9 83.5

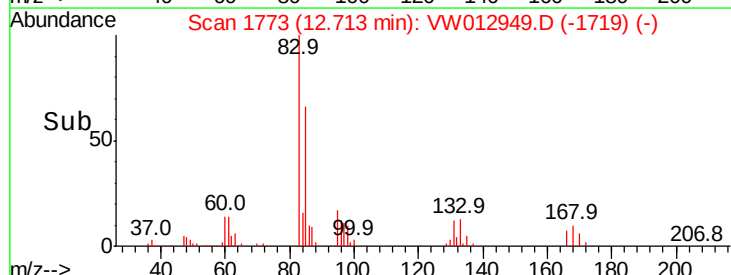
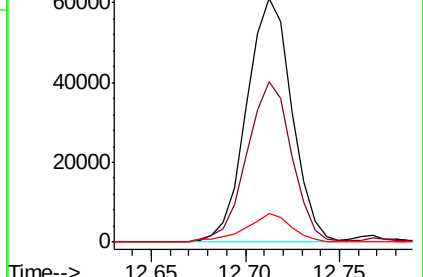
131 11.6 8.0 12.0

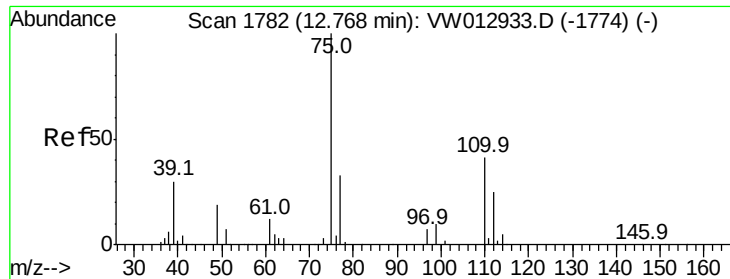


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.238 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012949.D

Acq: 13 Sep 2019 11:11

Instrument :

MSVOA_W

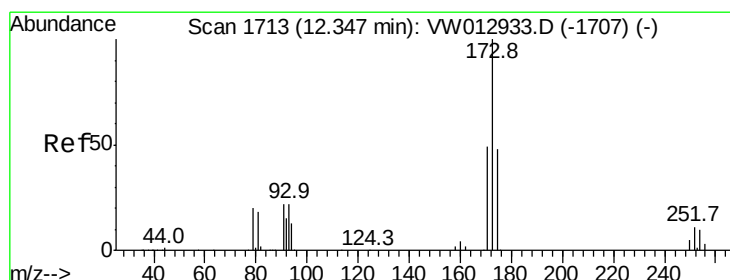
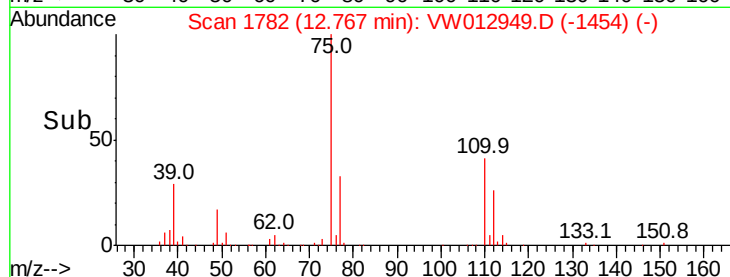
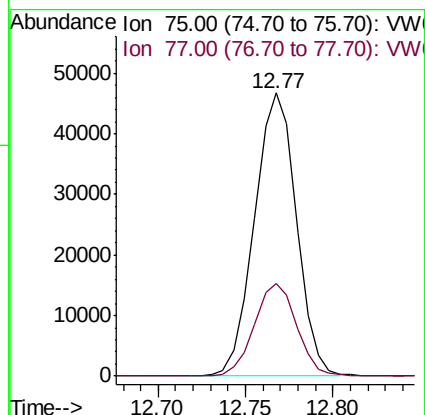
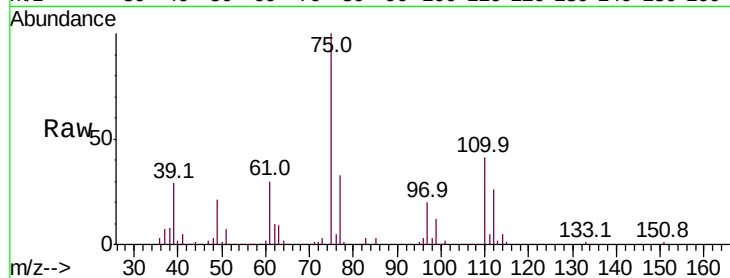
ClientSampleId :

Tot Ion: 75 Resp: 77635

Ion Ratio Lower Upper

75 100

77 33.1 25.4 38.2



#62

Bromoform

Concen: 26.196 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012949.D

Acq: 13 Sep 2019 11:11

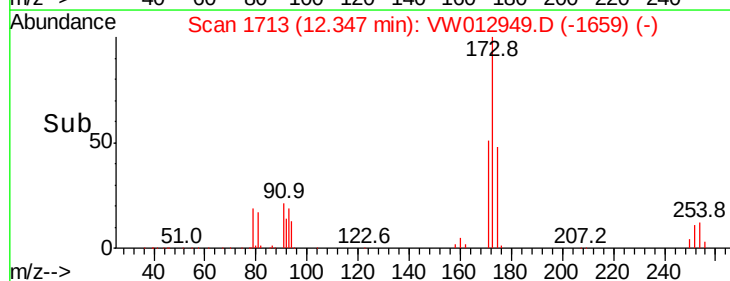
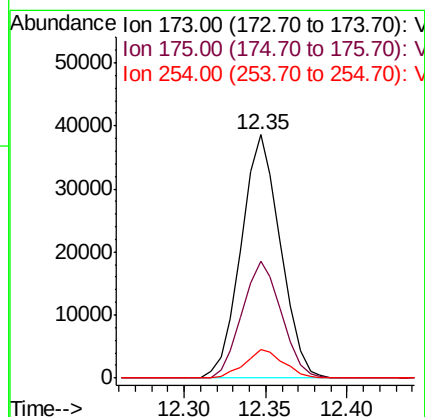
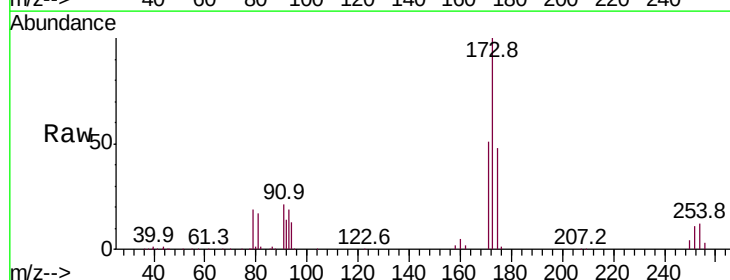
Tgt Ion: 173 Resp: 64644

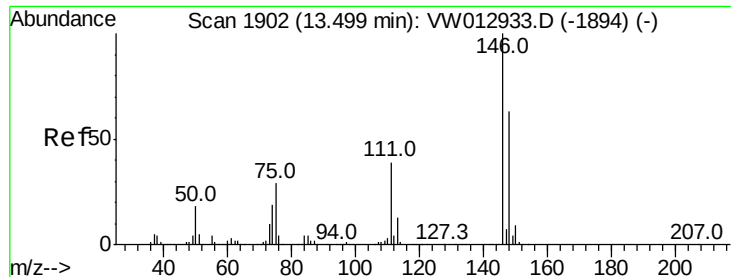
Ion Ratio Lower Upper

173 100

175 47.9 39.7 59.5

254 11.6 9.8 14.6

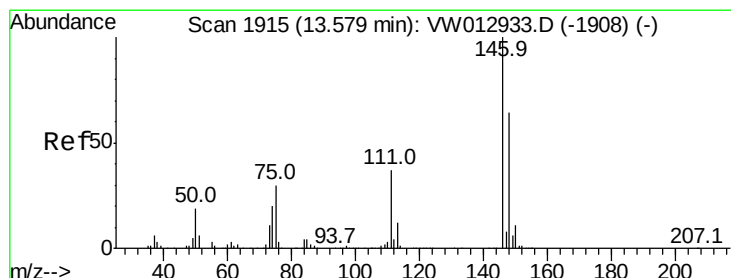
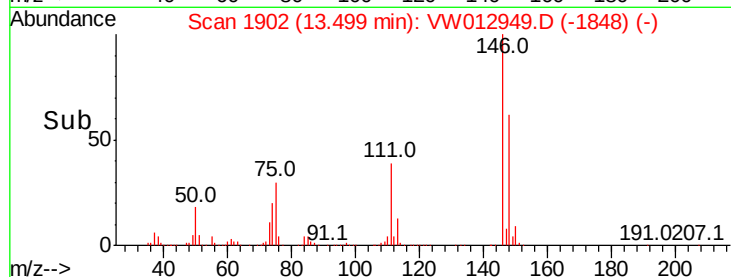
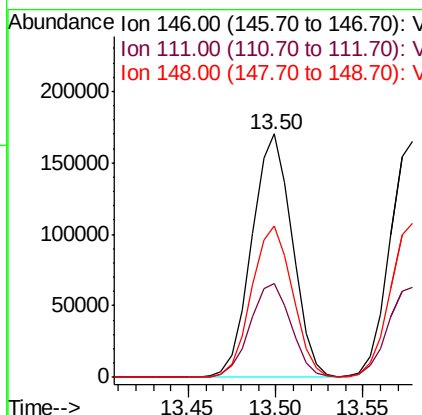
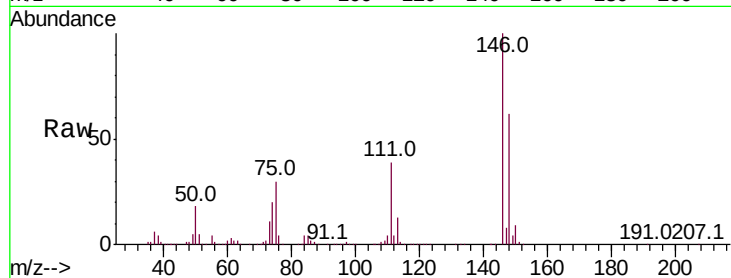




#63
 1,3-Dichlorobenzene
 Concen: 25.049 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012949.D
 Acq: 13 Sep 2019 11:11

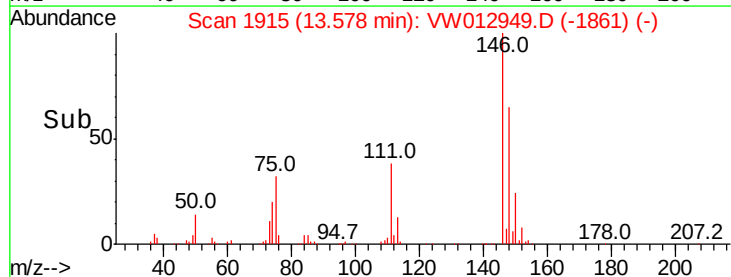
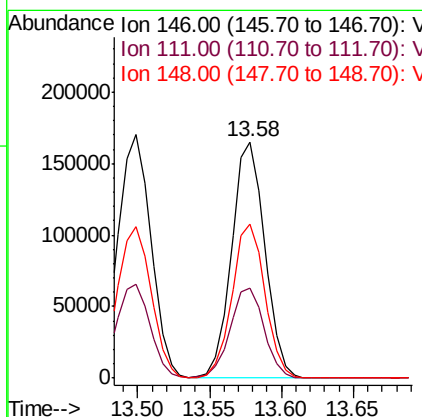
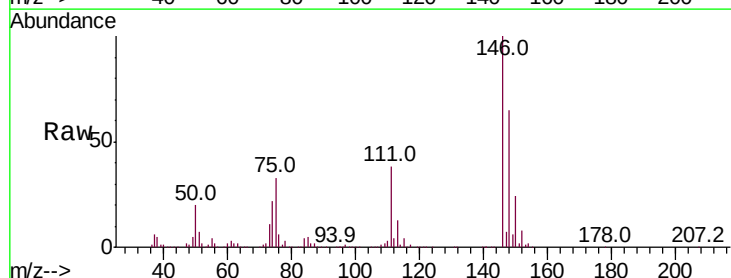
Instrument :
 MSVOA_W
 ClientSampled :

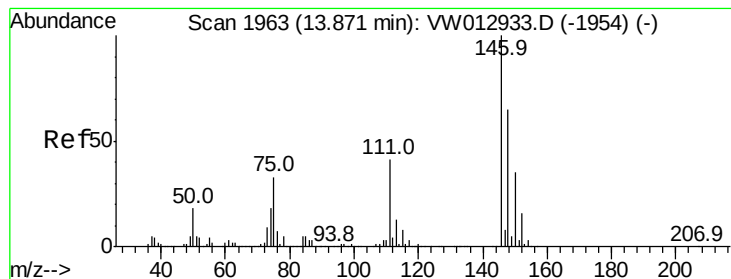
Tot Ion:146 Resp: 273986
 Ion Ratio Lower Upper
 146 100
 111 38.7 28.4 52.8
 148 62.2 44.4 82.5



#64
 1,4-Dichlorobenzene
 Concen: 24.381 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012949.D
 Acq: 13 Sep 2019 11:11

Tgt Ion:146 Resp: 266040
 Ion Ratio Lower Upper
 146 100
 111 38.2 26.1 48.5
 148 65.2 45.8 85.0





#65

1,2-Dichlorobenzene

Concen: 24.189 ug/L

RT: 13.86 min Scan# 1962

Delta R.T. -0.01 min

Lab File: VW012949.D

Acq: 13 Sep 2019 11:11

Instrument :

MSVOA_W

ClientSampleId :

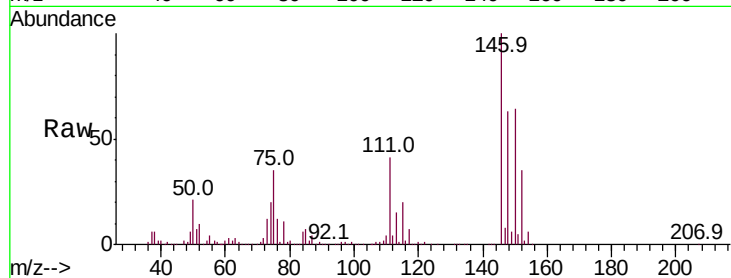
Tot Ion:146 Resp: 237271

Ion Ratio Lower Upper

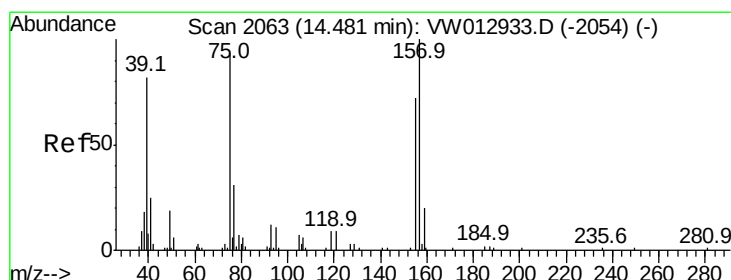
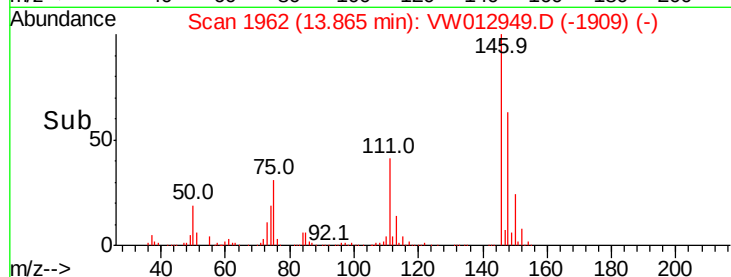
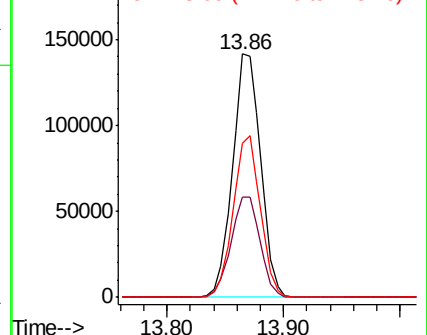
146 100

111 41.2 33.0 49.6

148 63.1 50.8 76.2



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: 25.564 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW012949.D

Acq: 13 Sep 2019 11:11

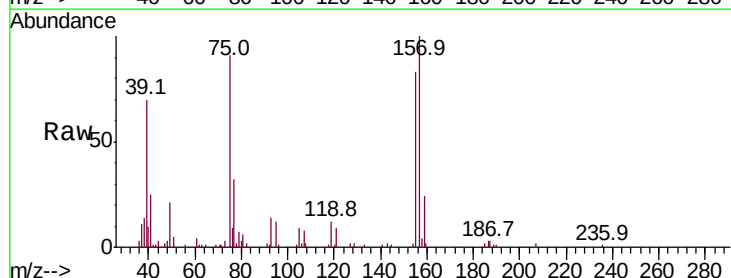
Tgt Ion: 75 Resp: 17378

Ion Ratio Lower Upper

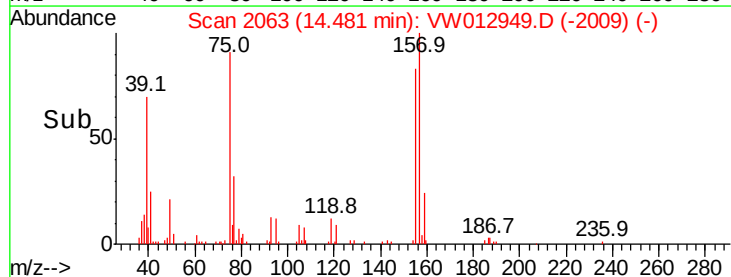
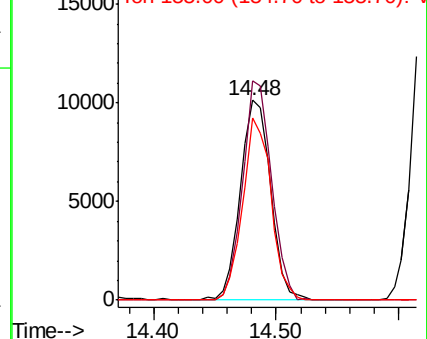
75 100

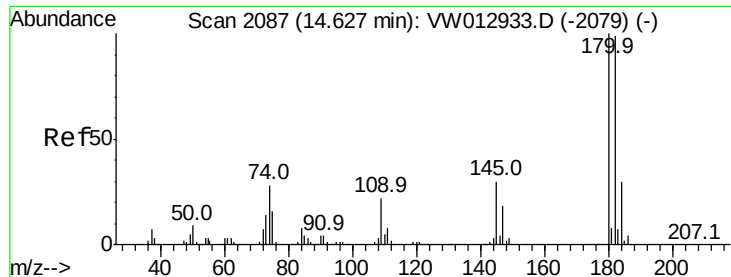
157 109.7 85.0 127.4

155 91.3 70.2 105.4



Abundance Ion 75.00 (74.70 to 75.70): V
Ion 157.00 (156.70 to 157.70): V
Ion 155.00 (154.70 to 155.70): V

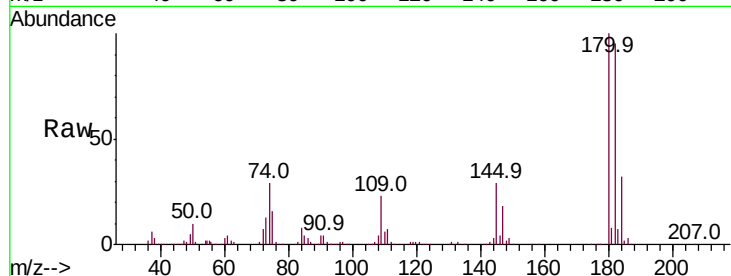




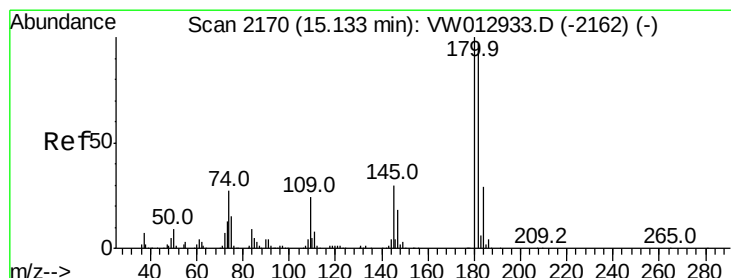
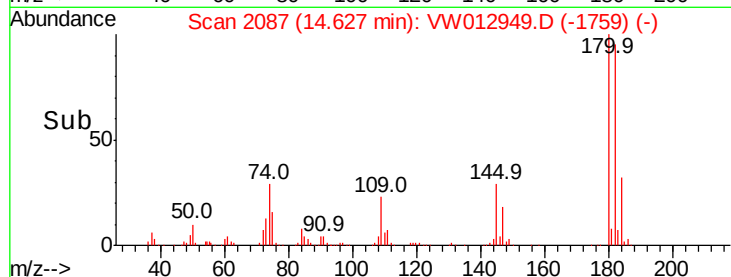
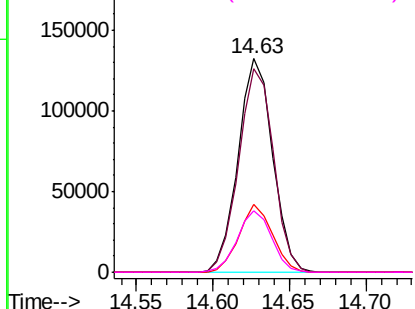
#67
 1,3,5-Trichlorobenzene
 Concen: 24.724 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW012949.D
 Acq: 13 Sep 2019 11:11

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	180	Resp:	208020
Ion	Ratio	Lower	Upper
180	100		
182	95.8	75.8	113.8
184	30.5	23.8	35.8
145	28.6	23.1	34.7

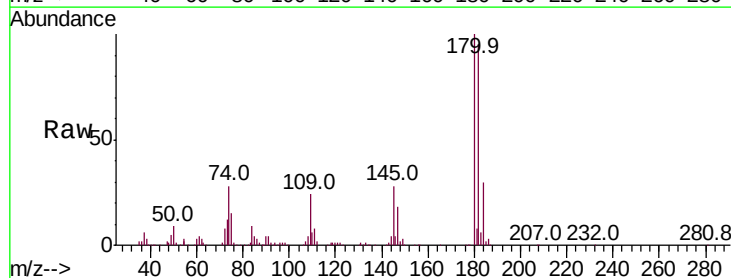


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

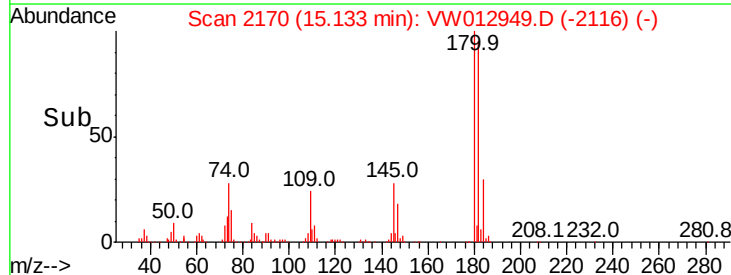
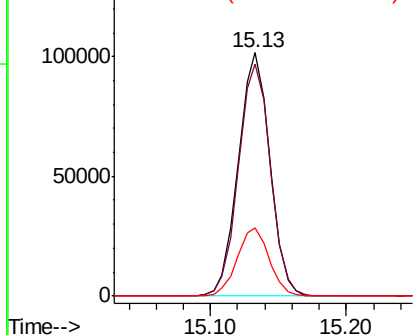


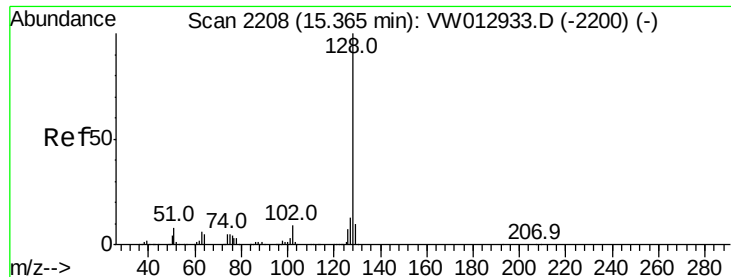
#68
 1,2,4-trichlorobenzene
 Concen: 24.694 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012949.D
 Acq: 13 Sep 2019 11:11

Tgt Ion:	180	Resp:	164705
Ion	Ratio	Lower	Upper
180	100		
182	96.6	73.8	110.8
145	28.4	22.9	34.3



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: 26.289 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW012949.D

Acq: 13 Sep 2019 11:11

Instrument :

MSVOA_W

ClientSampleId :

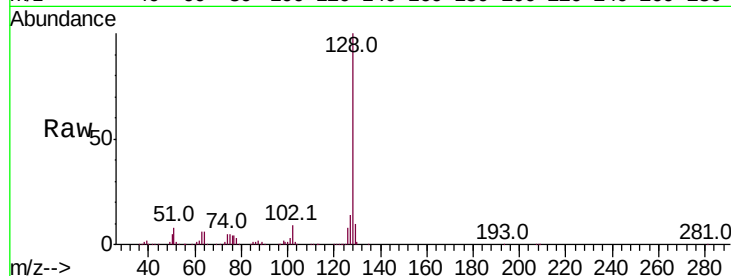
Tot Ion:128 Resp: 283977

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

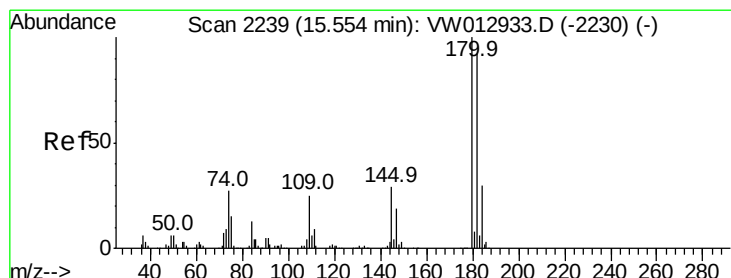
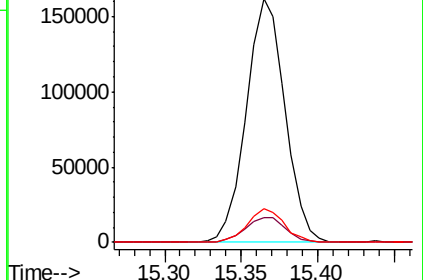
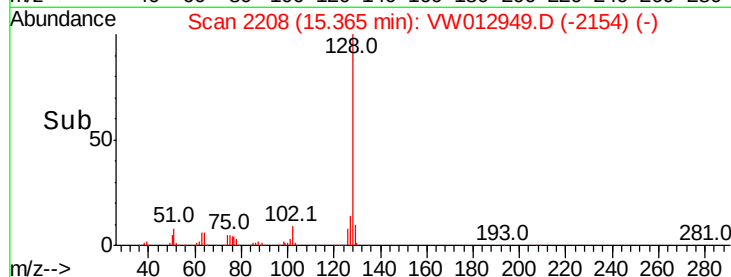
127 13.3 10.4 15.6



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: 24.793 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW012949.D

Acq: 13 Sep 2019 11:11

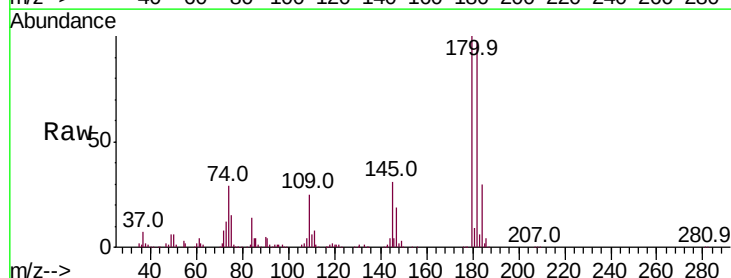
Tgt Ion:180 Resp: 145904

Ion Ratio Lower Upper

180 100

182 95.3 75.4 113.2

145 30.7 24.4 36.6



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

