

Data File : VW011609.D
Acq On : 01 Aug 2019 19:19
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 4.39G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02528

Quant Time: Aug 02 04:35:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 02 04:30:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	368620	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	328056	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	159612	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	107542	20.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.88%
7) Chloroethane-d5	2.89	69	82260	22.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.00%
10) 1,1-Dichloroethene-d2	4.02	63	267832	22.51	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.04%
20) 2-Butanone-d5	7.07	46	122394	52.37	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.74%
24) Chloroform-d	7.65	84	237780	23.49	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.96%
26) 1,2-Dichloroethane-d4	8.31	65	144203	24.07	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.28%
29) Benzene-d6	8.27	84	474097	22.98	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.92%
33) 1,2-Dichloropropane-d6	9.27	67	157016	23.58	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.32%
37) Toluene-d8	10.32	98	425365	23.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.92%
38) trans-1,3-Dichloropropene-	10.58	79	66474	22.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.08%
39) 2-Hexanone-d5	10.92	63	81263	52.24	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.48%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	137390	24.84	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.36%
61) 1,2-Dichlorobenzene-d4	13.85	152	143526	23.33	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.32%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	101672	24.611 ug/L	99
3) Chloromethane	2.21	50	122015	22.706 ug/L	99
5) Vinyl chloride	2.36	62	157805	23.017 ug/L	99
6) Bromomethane	2.78	94	75960	23.501 ug/L	98
8) Chloroethane	2.92	64	85738	23.911 ug/L	96
9) Trichlorofluoromethane	3.25	101	76264	21.836 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	131212	24.781 ug/L	97
12) 1,1-Dichloroethene	4.04	96	128561	24.283 ug/L	97
13) Acetone	4.12	43	107025	42.756 ug/L	97
14) Carbon disulfide	4.39	76	409109	23.725 ug/L	99
15) Methyl Acetate	4.66	43	106805	26.097 ug/L	100
16) Methylene chloride	4.92	84	142415	24.757 ug/L	99
17) Methyl tert-butyl Ether	5.42	73	215427	24.434 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	134891	24.660 ug/L	99
19) 1,1-Dichloroethane	6.21	63	273411	25.021 ug/L	99
21) 2-Butanone	7.17	43	159181	50.721 ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	143213	25.026 ug/L	98

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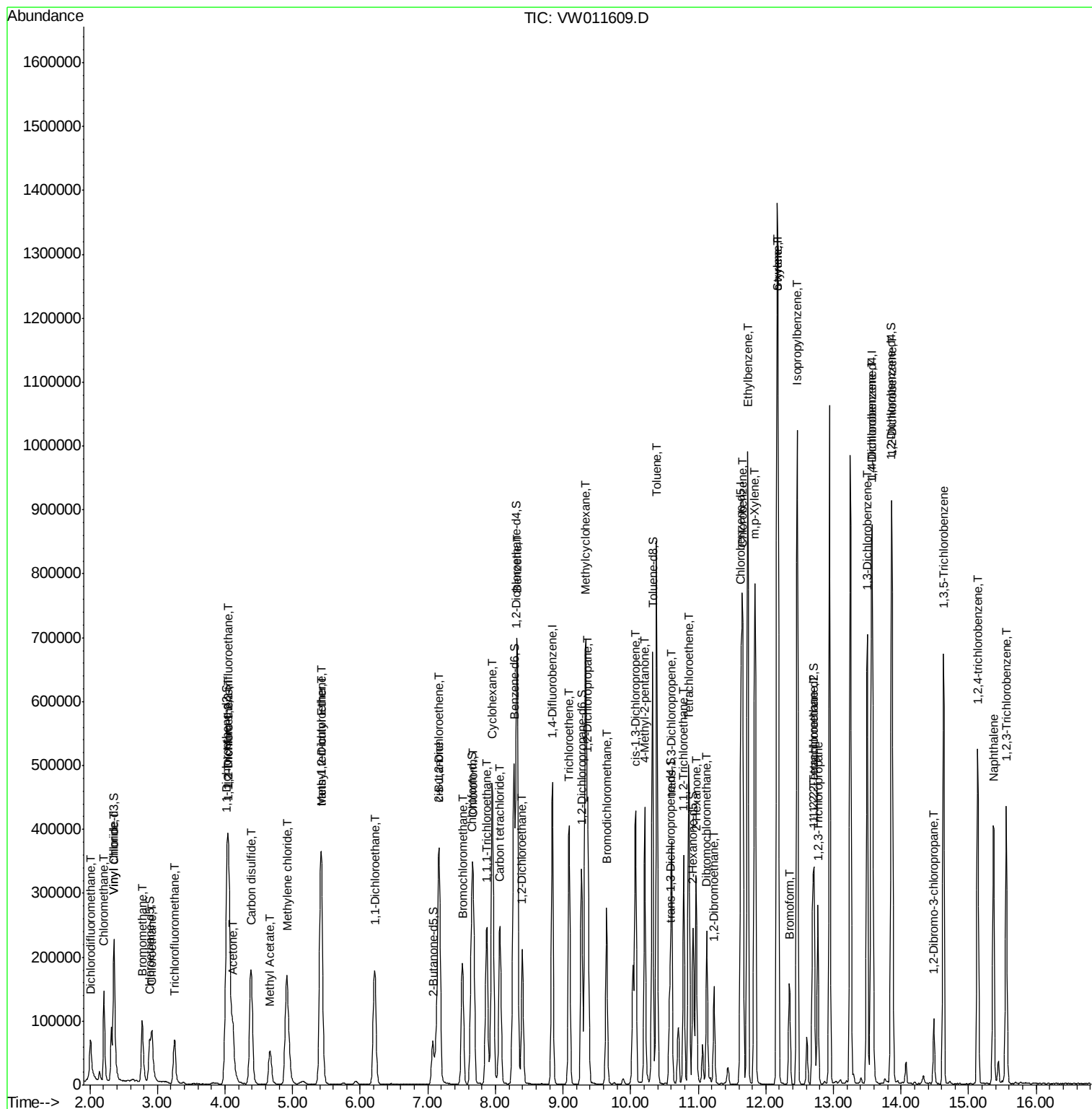
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	60077	24.674	ug/L	99
25) Chloroform	7.67	83	251720	24.993	ug/L	99
27) 1,2-Dichloroethane	8.40	62	190207	25.511	ug/L	97
30) Cyclohexane	7.95	56	280429	24.592	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	197836	24.750	ug/L	99
32) Carbon tetrachloride	8.07	117	185833	24.712	ug/L	100
34) Benzene	8.32	78	571796	24.872	ug/L	100
35) Trichloroethene	9.09	95	145297	24.896	ug/L	99
36) Methylcyclohexane	9.34	83	258088	24.376	ug/L	99
40) 1,2-Dichloropropane	9.37	63	155631	25.362	ug/L	100
41) Bromodichloromethane	9.65	83	185330	25.593	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	234355	25.532	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	303582	54.601	ug/L	100
44) Toluene	10.38	91	595379	25.491	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	195003	25.535	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	106475	25.449	ug/L	98
47) Tetrachloroethene	10.86	164	110575	24.805	ug/L	94
49) 2-Hexanone	10.97	43	217954	50.881	ug/L	99
50) Dibromochloromethane	11.13	129	119967	26.015	ug/L	98
51) 1,2-Dibromoethane	11.23	107	104000	25.546	ug/L	99
52) Chlorobenzene	11.66	112	352698	25.029	ug/L	99
53) Ethylbenzene	11.73	91	664680	25.519	ug/L	100
54) m,p-Xylene	11.84	106	243537	25.713	ug/L	97
55) o-xylene	12.16	106	229771	25.778	ug/L	98
56) Styrene	12.18	104	400484	26.427	ug/L	99
57) Isopropylbenzene	12.46	105	629724	25.680	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	146300	26.314	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	111928	26.102	ug/L	99
62) Bromoform	12.35	173	72316	25.324	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	268965	24.828	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	270351	24.851	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	246029	25.081	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	26186	25.792	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	197656	24.789	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	163860	25.517	ug/L	97
69) Naphthalene	15.37	128	336638	26.032	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	147747	24.842	ug/L	100

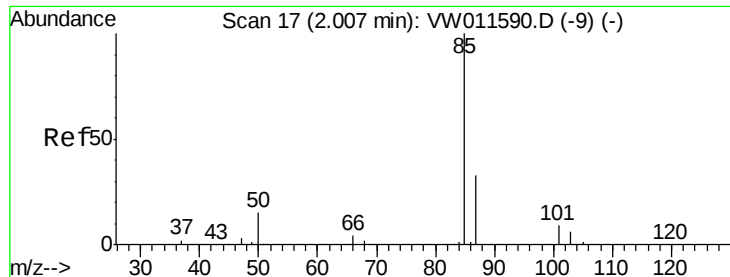
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 24.611 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011609.D

Acq: 01 Aug 2019 19:19

Instrument :

MSVOA_W

ClientSampleId :

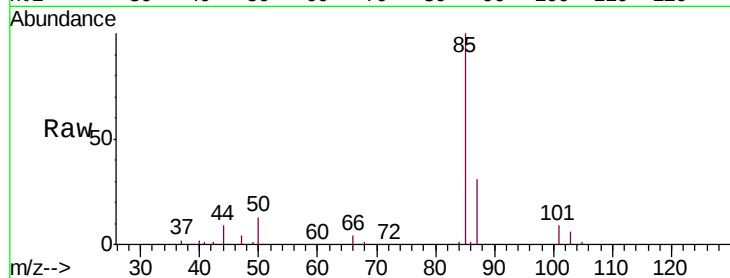
VSTD02528

Tgt Ion: 85 Resp: 101672

Ion Ratio Lower Upper

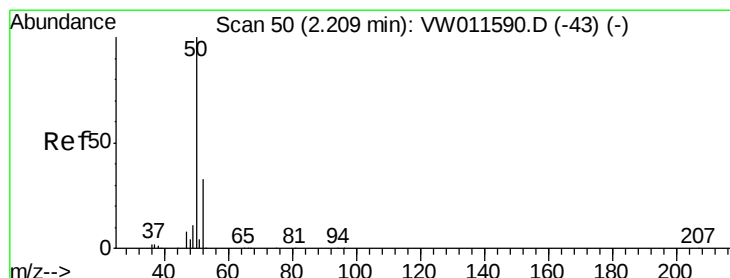
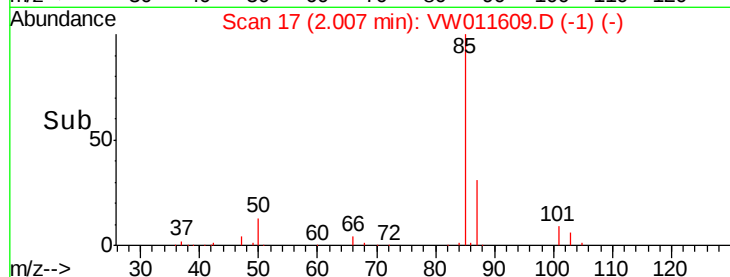
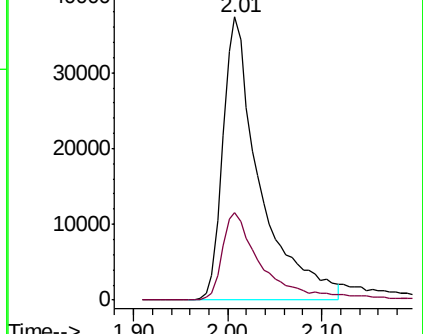
85 100

87 30.6 21.8 40.6



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 22.706 ug/L

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011609.D

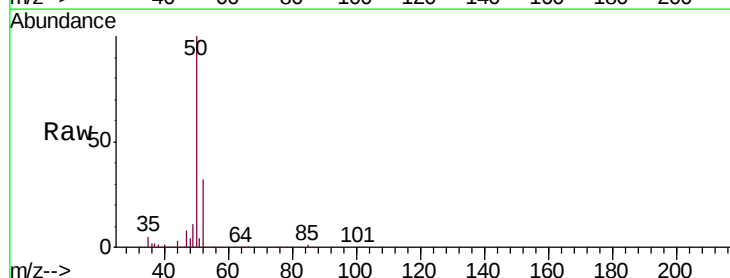
Acq: 01 Aug 2019 19:19

Tgt Ion: 50 Resp: 122015

Ion Ratio Lower Upper

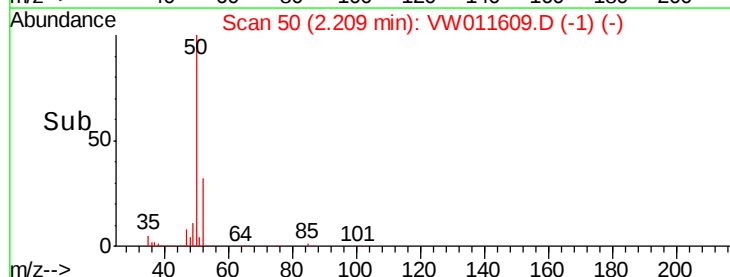
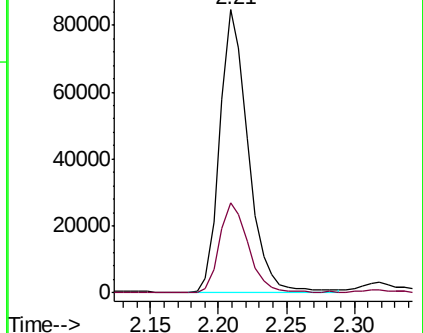
50 100

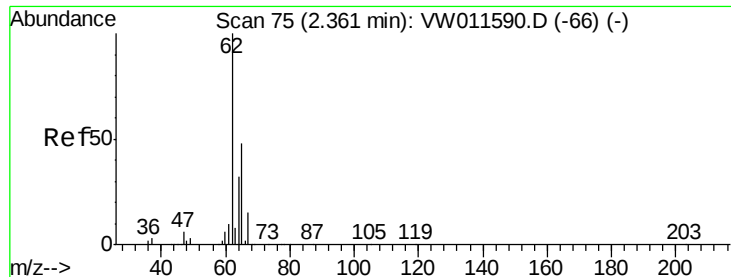
52 31.7 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 23.017 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW011609.D

Acq: 01 Aug 2019 19:19

Instrument :

MSVOA_W

ClientSampleId :

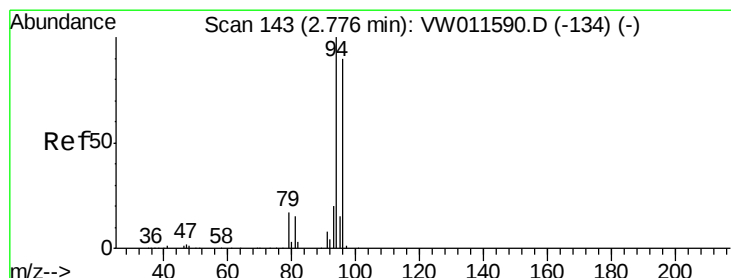
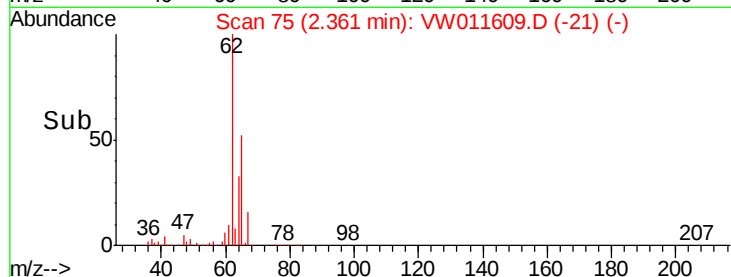
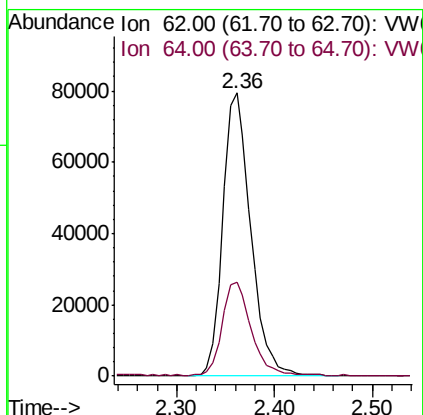
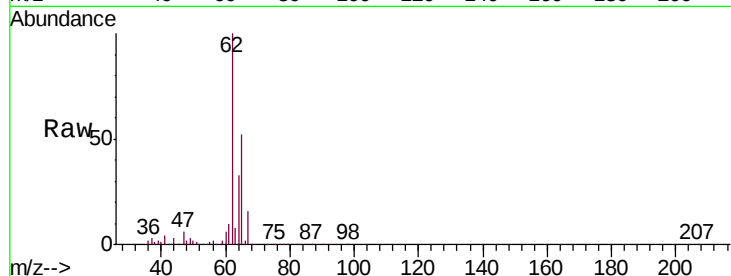
VSTD02528

Tgt Ion: 62 Resp: 157805

Ion Ratio Lower Upper

62 100

64 33.2 23.6 43.8



#6

Bromomethane

Concen: 23.501 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW011609.D

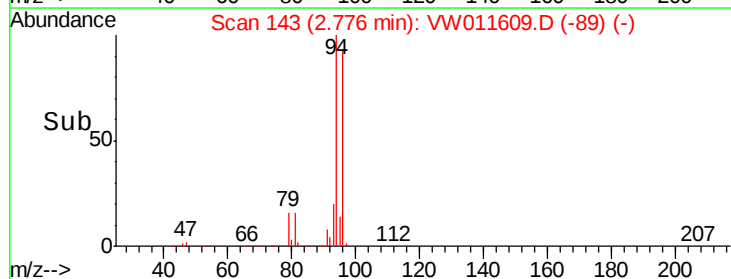
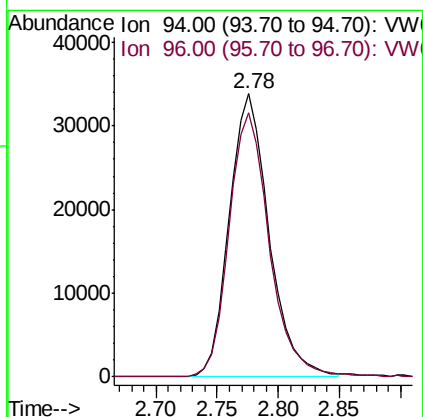
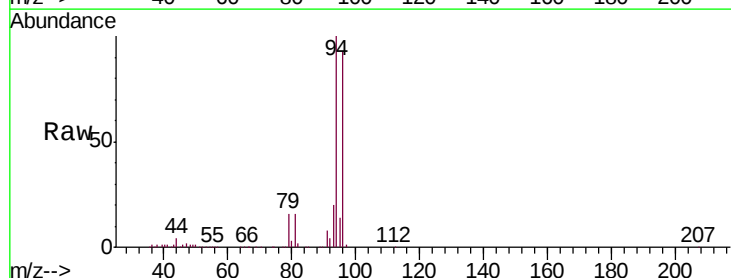
Acq: 01 Aug 2019 19:19

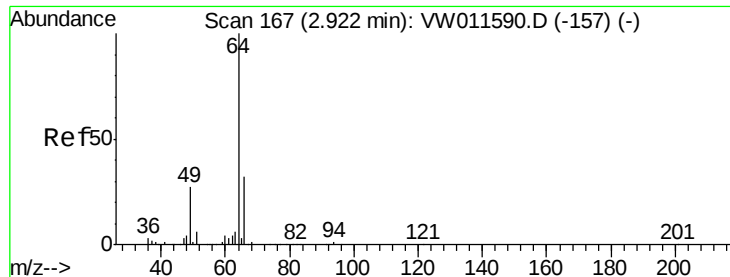
Tgt Ion: 94 Resp: 75960

Ion Ratio Lower Upper

94 100

96 94.6 9.3 175.9





#8

Chloroethane

Concen: 23.911 ug/L

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW011609.D

Acq: 01 Aug 2019 19:19

Instrument :

MSVOA_W

ClientSampleId :

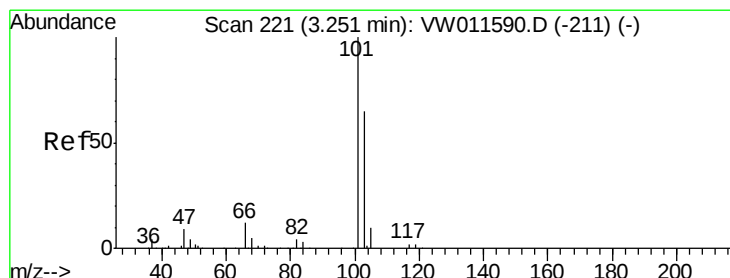
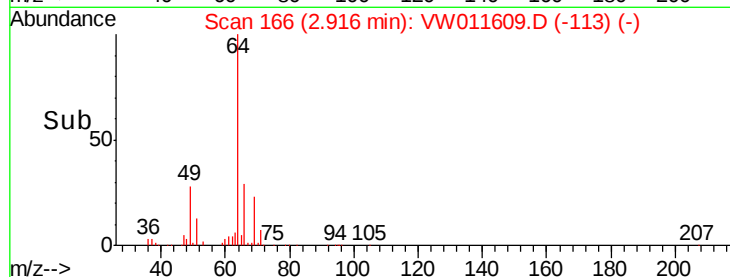
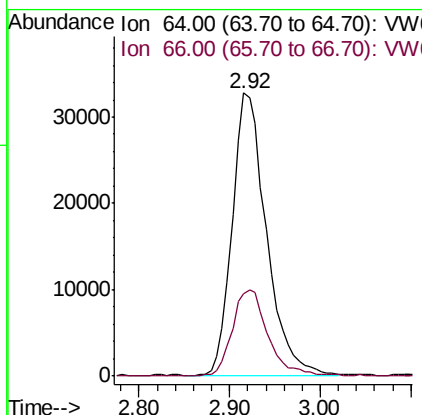
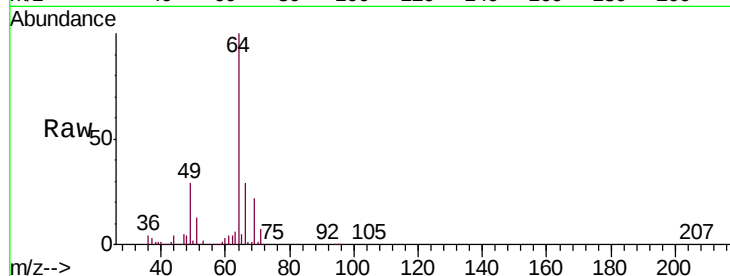
VSTD02528

Tgt Ion: 64 Resp: 85738

Ion Ratio Lower Upper

64 100

66 29.2 22.0 40.8



#9

Trichlorofluoromethane

Concen: 21.836 ug/L

RT: 3.25 min Scan# 221

Delta R.T. 0.00 min

Lab File: VW011609.D

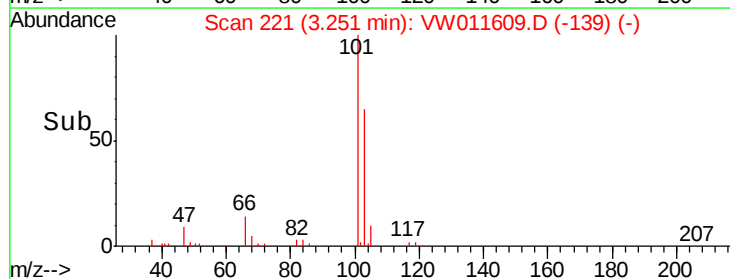
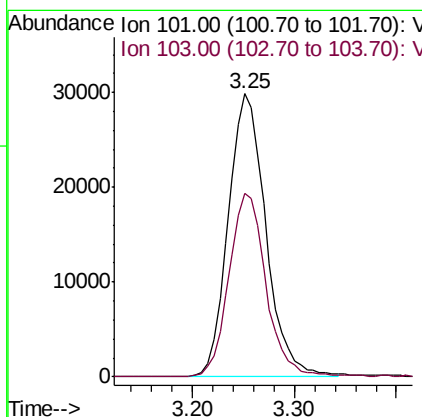
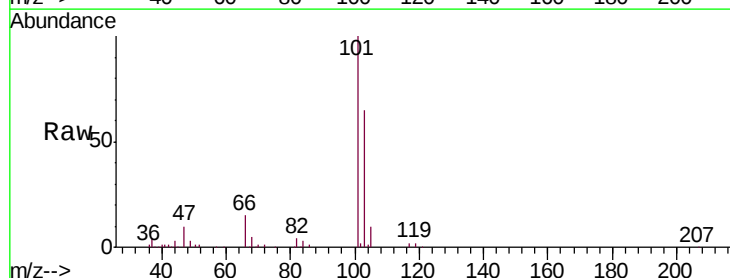
Acq: 01 Aug 2019 19:19

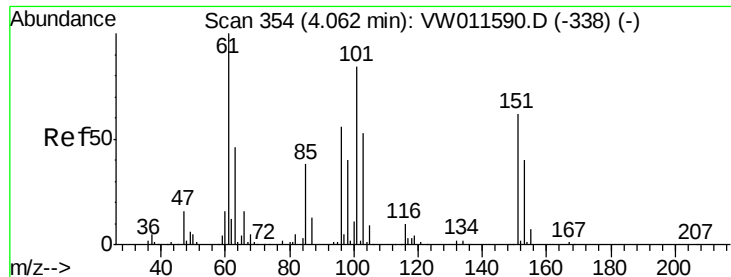
Tgt Ion: 101 Resp: 76264

Ion Ratio Lower Upper

101 100

103 63.8 44.3 82.3





#11

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

Concen: 24.781 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW011609.D

Acq: 01 Aug 2019 19:19

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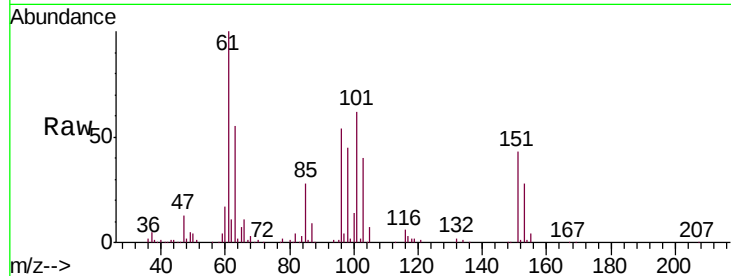
Tgt Ion: 101 Resp: 131212

Ion Ratio Lower Upper

101 100

85 45.1 37.0 55.4

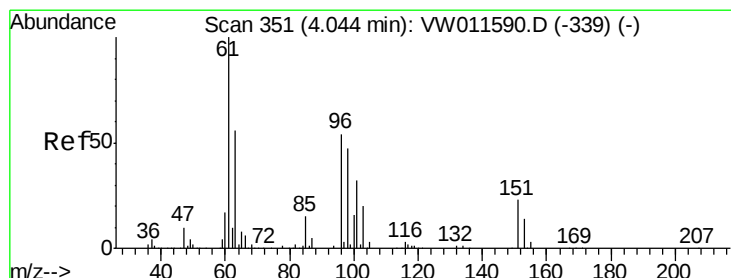
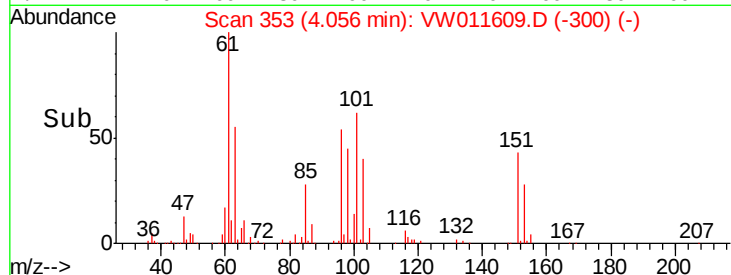
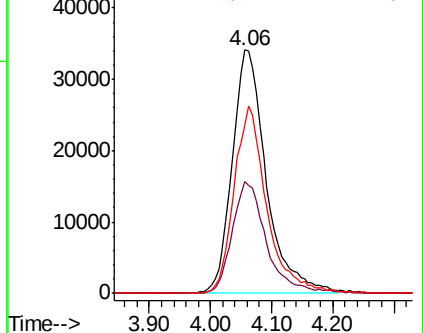
151 72.7 60.8 91.2



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: 24.283 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW011609.D

Acq: 01 Aug 2019 19:19

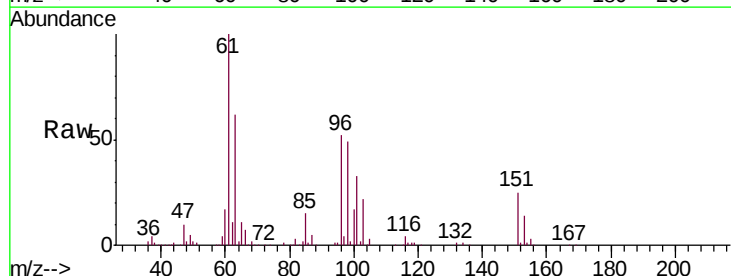
Tgt Ion: 96 Resp: 128561

Ion Ratio Lower Upper

96 100

61 192.0 135.0 250.8

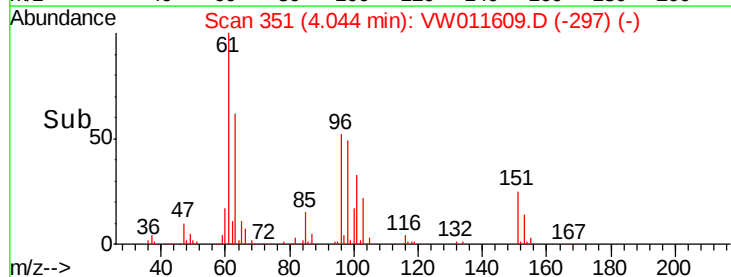
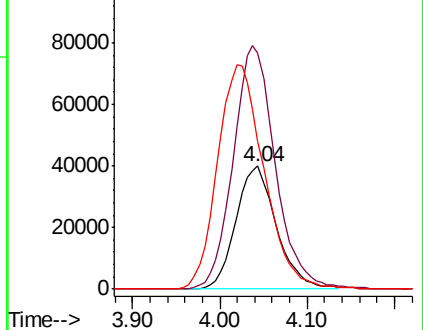
63 119.9 89.2 165.8

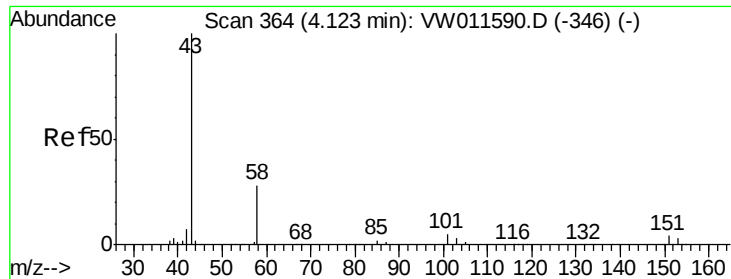


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 42.756 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

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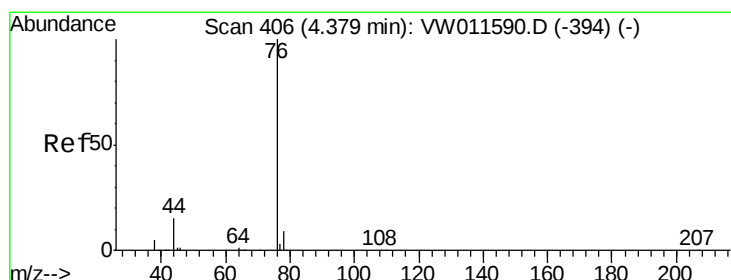
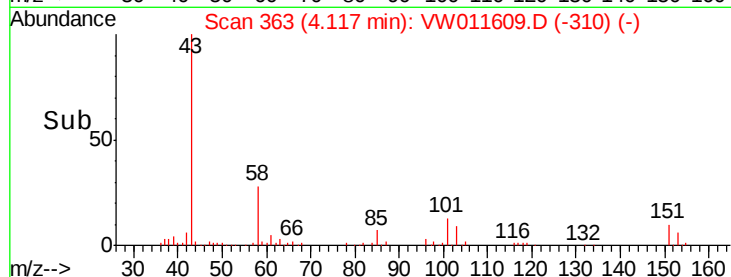
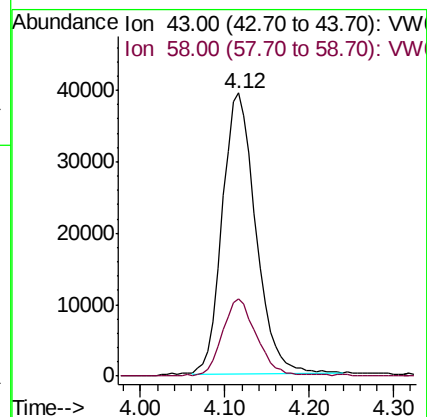
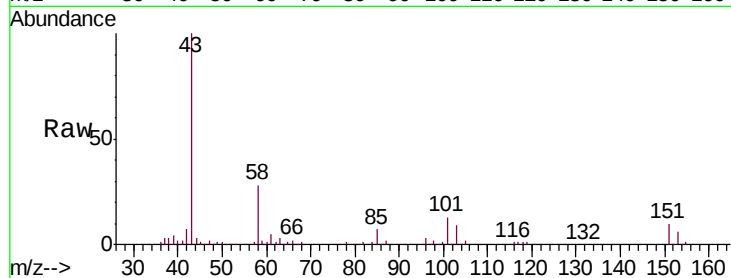
VSTD02528

Tgt Ion: 43 Resp: 107025

Ion Ratio Lower Upper

43 100

58 28.0 0.0 53.4



#14

Carbon disulfide

Concen: 23.725 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.01 min

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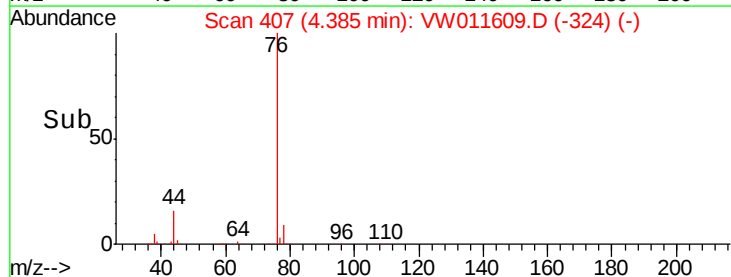
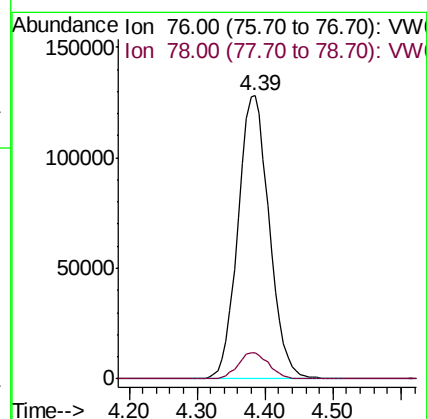
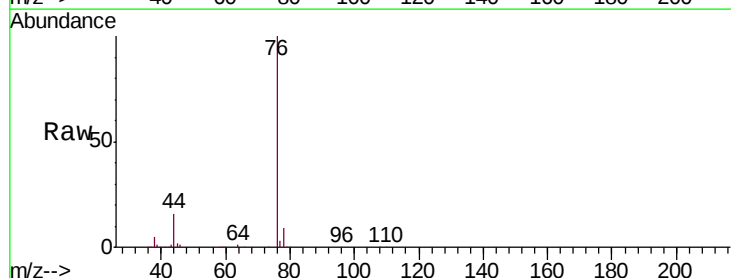
Acq: 01 Aug 2019 19:19

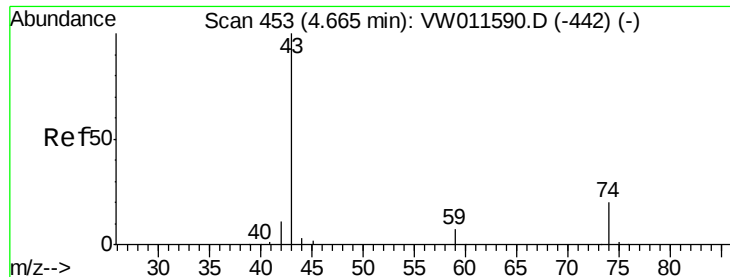
Tgt Ion: 76 Resp: 409109

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.6

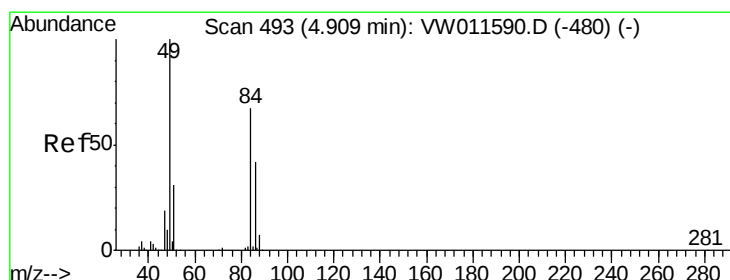
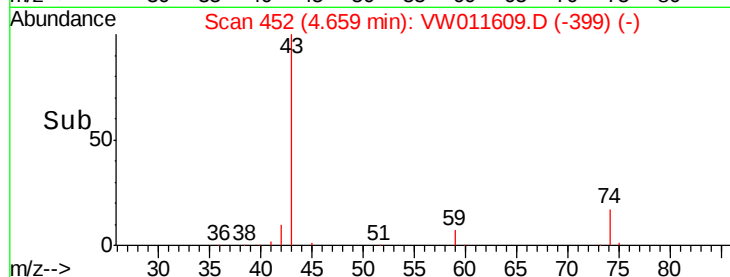
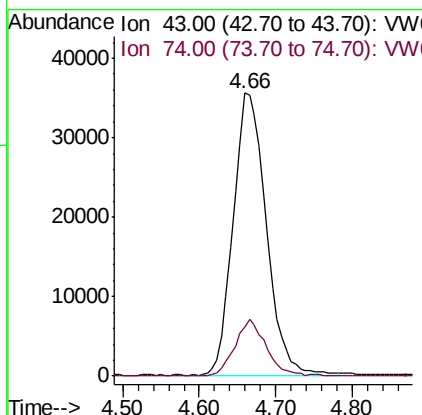
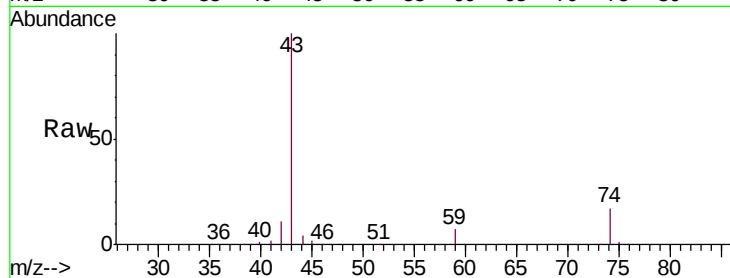




#15
Methyl Acetate
Concen: 26.097 ug/L
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW011609.D
Acq: 01 Aug 2019 19:19

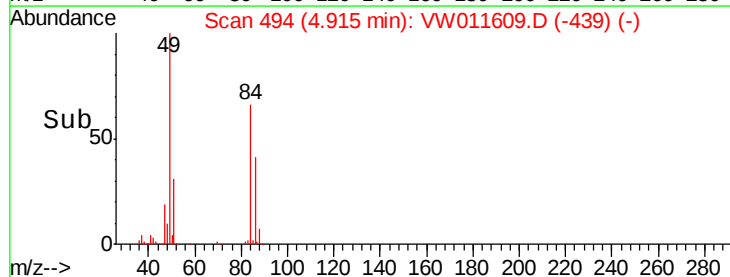
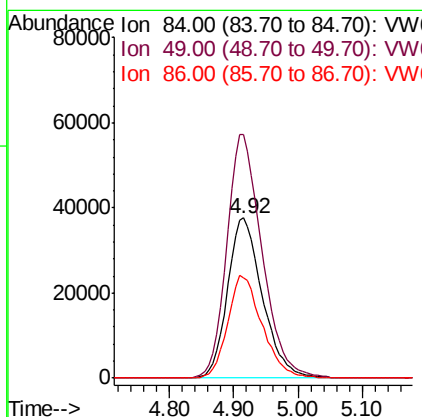
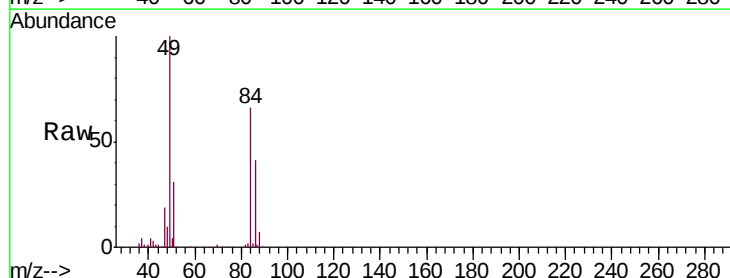
Instrument :
MSVOA_W
ClientSampleId :
VSTD02528

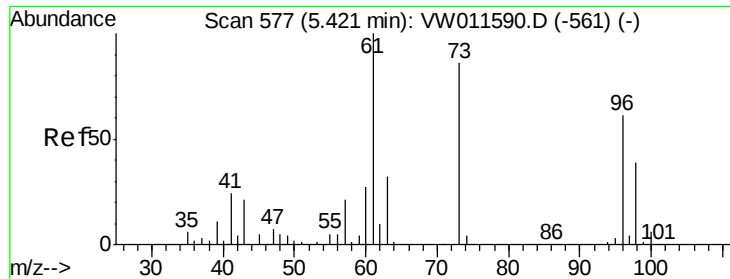
Tgt Ion: 43 Resp: 106805
Ion Ratio Lower Upper
43 100
74 18.8 15.0 22.4



#16
Methylene chloride
Concen: 24.757 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW011609.D
Acq: 01 Aug 2019 19:19

Tgt Ion: 84 Resp: 142415
Ion Ratio Lower Upper
84 100
49 152.0 106.8 198.4
86 63.0 42.8 79.4

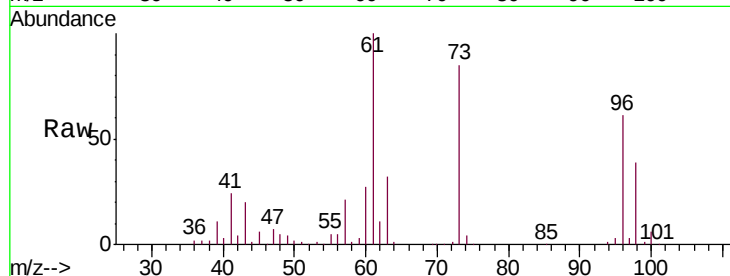




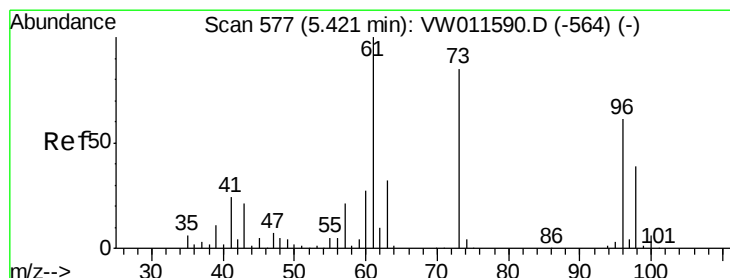
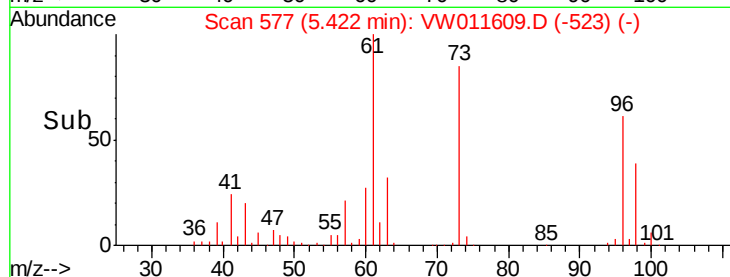
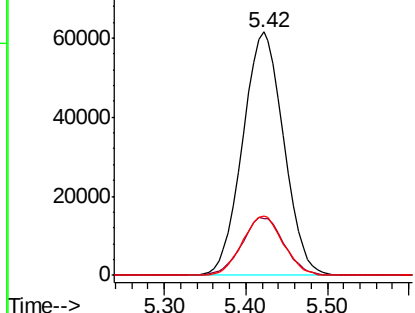
#17
Methyl tert-butyl Ether
Concen: 24.434 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011609.D
Acq: 01 Aug 2019 19:19

Instrument :
MSVOA_W
ClientSampleId :
VSTD02528

Tgt Ion: 73 Resp: 215427
Ion Ratio Lower Upper
73 100
43 24.2 19.3 28.9
57 24.2 19.7 29.5

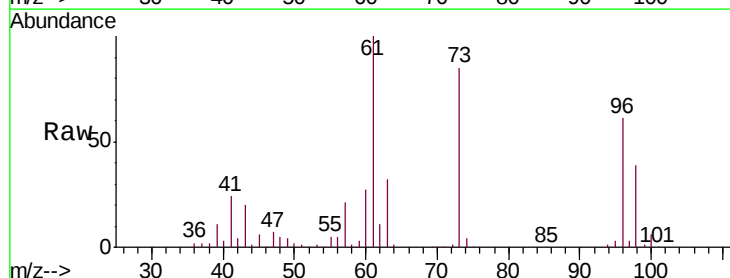


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

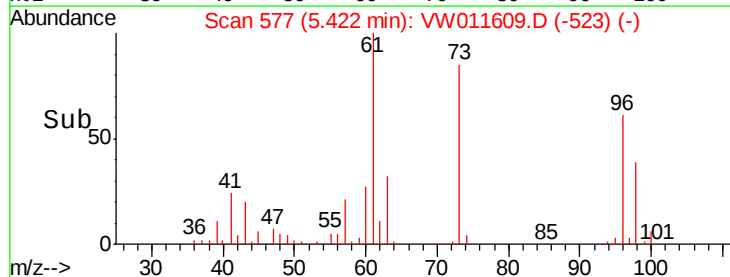
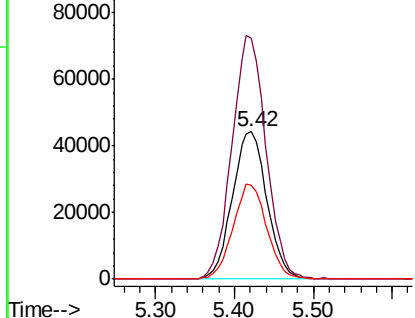


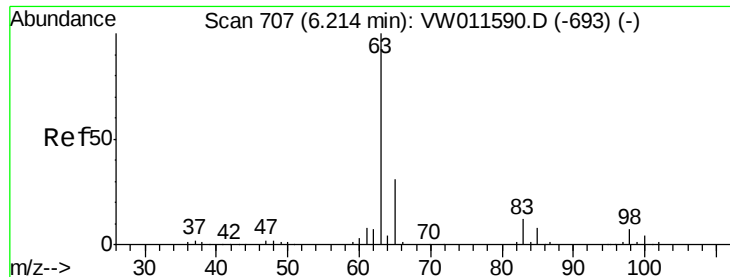
#18
trans-1,2-Dichloroethene
Concen: 24.660 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011609.D
Acq: 01 Aug 2019 19:19

Tgt Ion: 96 Resp: 134891
Ion Ratio Lower Upper
96 100
61 163.7 114.2 212.0
98 64.0 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

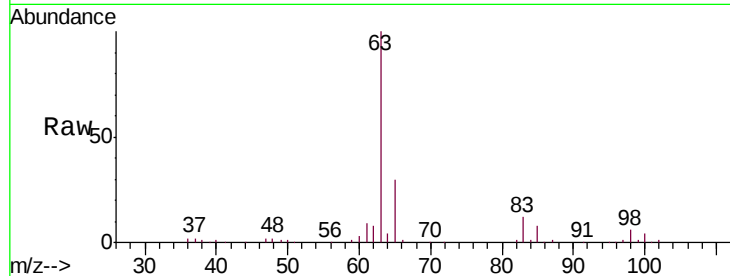




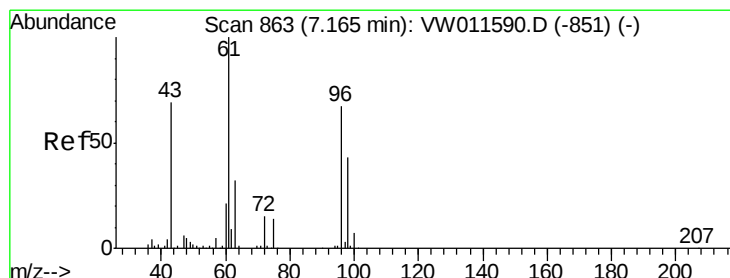
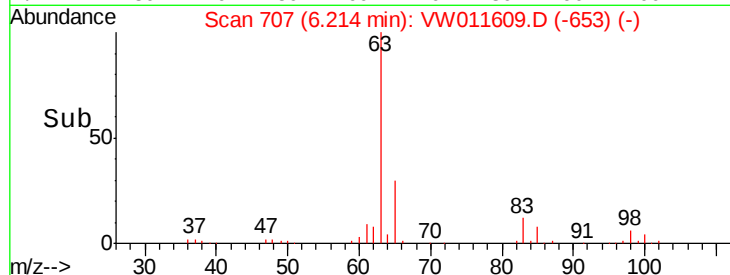
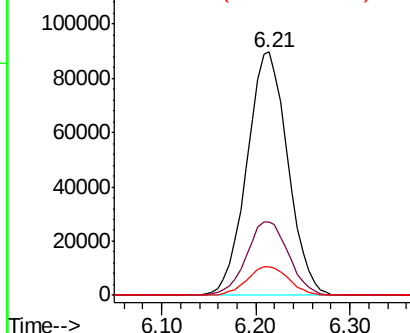
#19
 1,1-Dichloroethane
 Concen: 25.021 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW011609.D
 Acq: 01 Aug 2019 19:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

Tgt Ion: 63 Resp: 273411
 Ion Ratio Lower Upper
 63 100
 65 30.4 21.7 40.3
 83 11.8 8.4 15.6

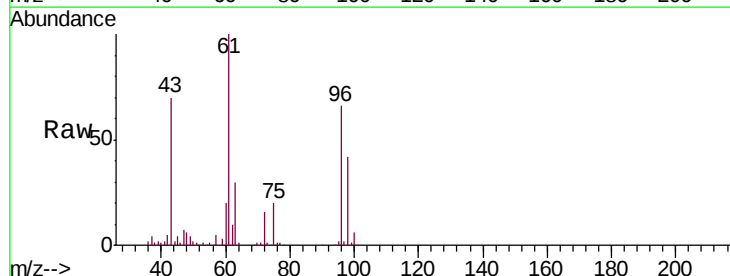


Abundance Ion 63.00 (62.70 to 63.70): VW
 120000 Ion 65.00 (64.70 to 65.70): VW
 100000 Ion 83.00 (82.70 to 83.70): VW

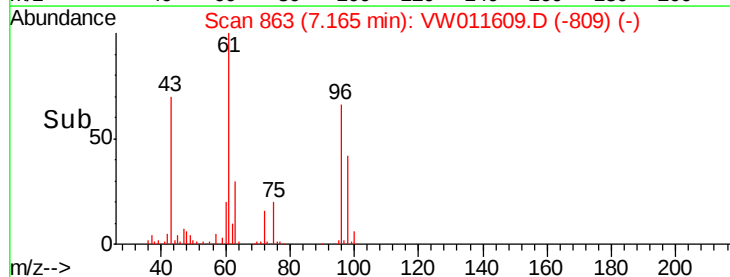
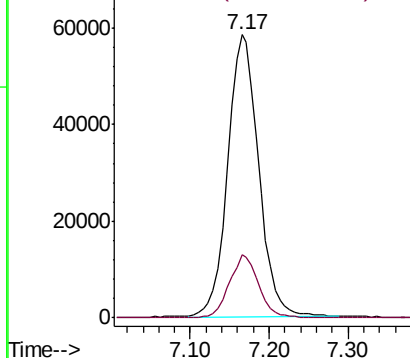


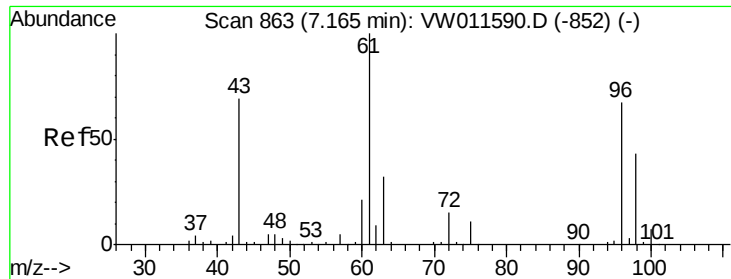
#21
 2-Butanone
 Concen: 50.721 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW011609.D
 Acq: 01 Aug 2019 19:19

Tgt Ion: 43 Resp: 159181
 Ion Ratio Lower Upper
 43 100
 72 21.2 10.7 32.1



Abundance Ion 43.00 (42.70 to 43.70): VW
 60000 Ion 72.00 (71.70 to 72.70): VW



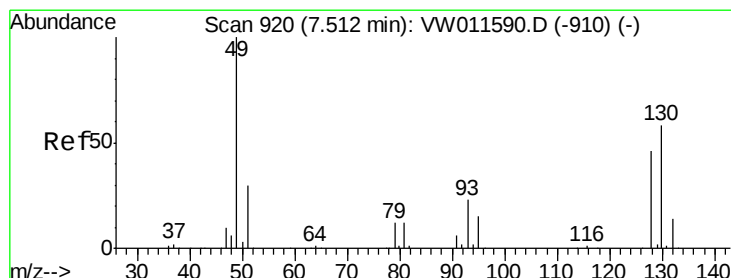
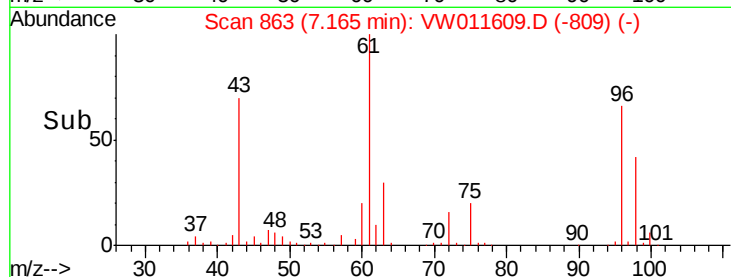
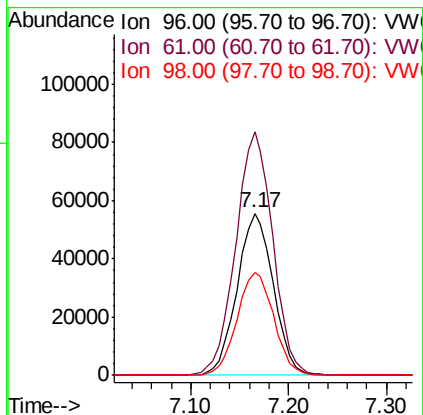
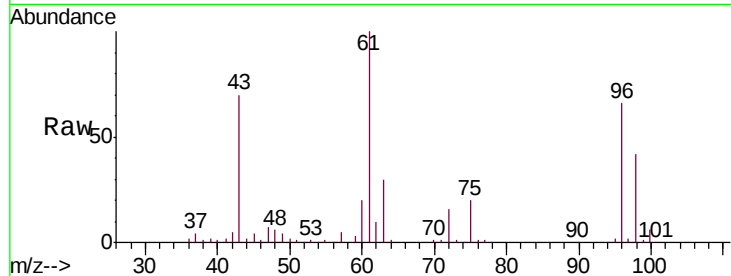


#22

cis-1,2-Dichloroethene
Concen: 25.026 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW011609.D
Acq: 01 Aug 2019 19:19

Instrument :
MSVOA_W
ClientSampleId :
VSTD02528

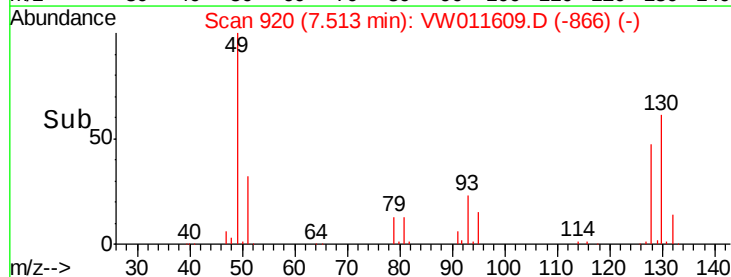
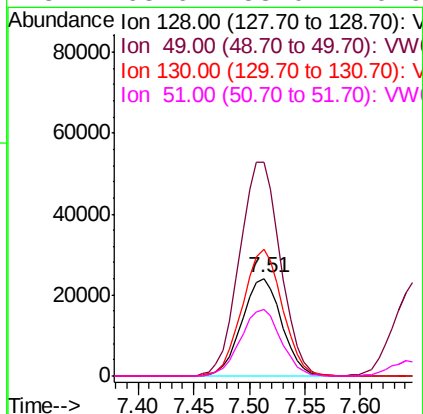
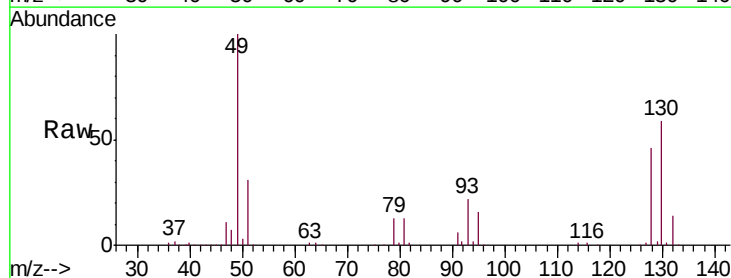
Tgt Ion: 96 Resp: 143213
Ion Ratio Lower Upper
96 100
61 150.4 103.9 192.9
98 63.8 43.5 80.9

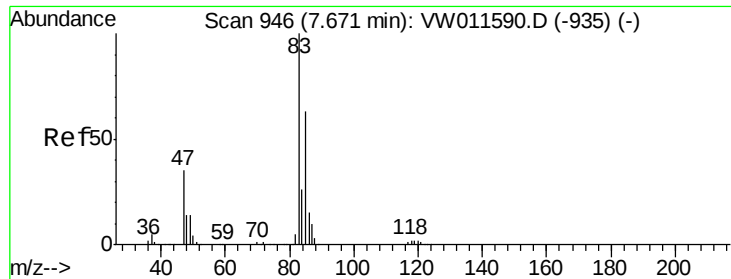


#23

Bromochloromethane
Concen: 24.674 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW011609.D
Acq: 01 Aug 2019 19:19

Tgt Ion: 128 Resp: 60077
Ion Ratio Lower Upper
128 100
49 218.0 153.6 285.3
130 129.1 89.5 166.3
51 68.6 53.0 79.6

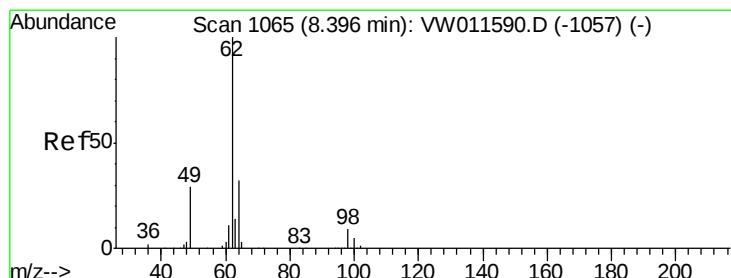
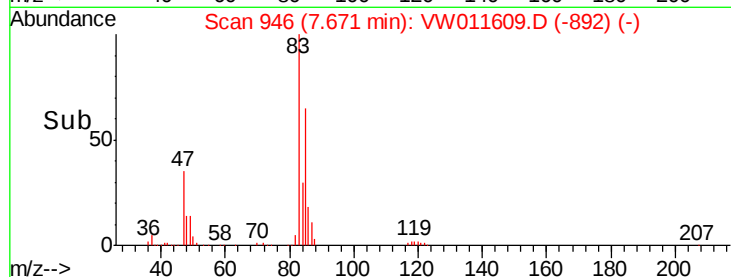
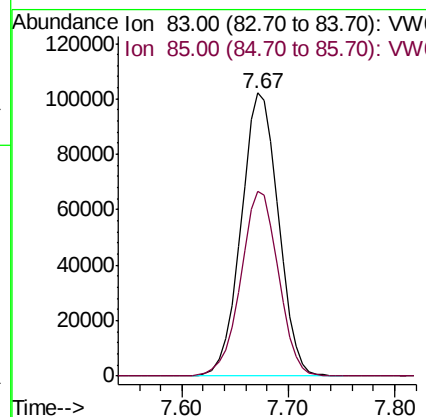
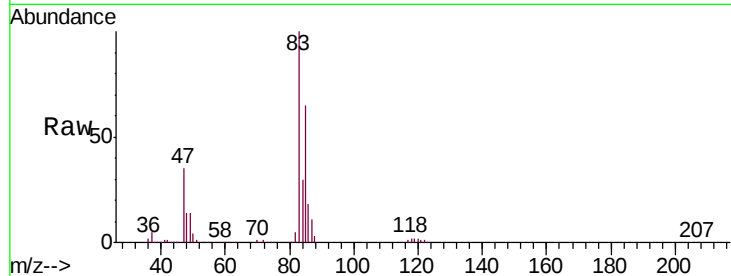




#25
Chloroform
Concen: 24.993 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW011609.D
Acq: 01 Aug 2019 19:19

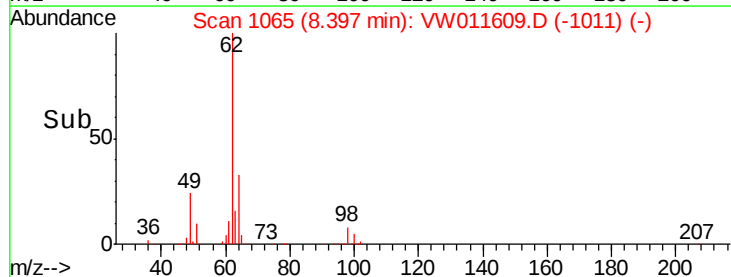
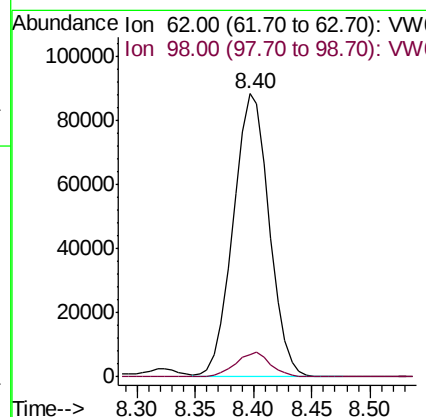
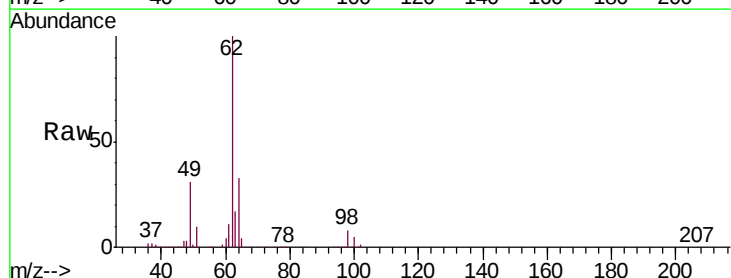
Instrument :
MSVOA_W
ClientSampleId :
VSTD02528

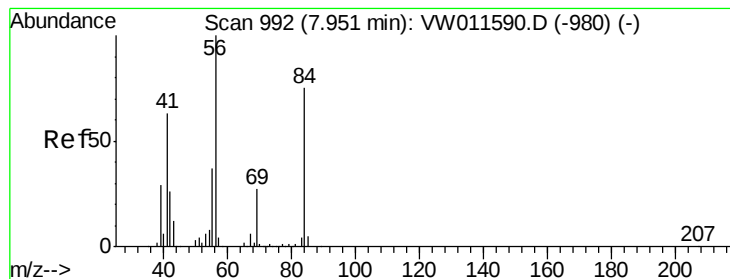
Tgt Ion: 83 Resp: 251720
Ion Ratio Lower Upper
83 100
85 65.8 45.4 84.2



#27
1,2-Dichloroethane
Concen: 25.511 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011609.D
Acq: 01 Aug 2019 19:19

Tgt Ion: 62 Resp: 190207
Ion Ratio Lower Upper
62 100
98 8.1 7.2 10.8





#30

Cyclohexane

Concen: 24.592 ug/L

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW011609.D

Acq: 01 Aug 2019 19:19

Instrument :

MSVOA_W

ClientSampleId :

VSTD02528

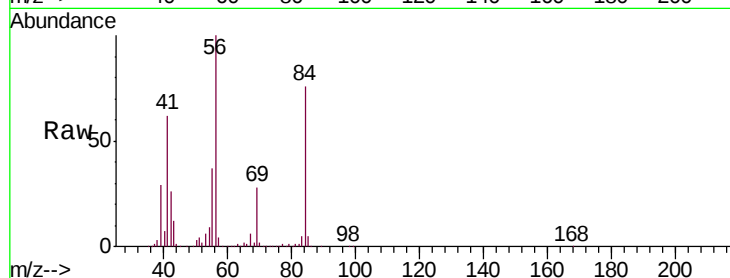
Tgt Ion: 56 Resp: 280429

Ion Ratio Lower Upper

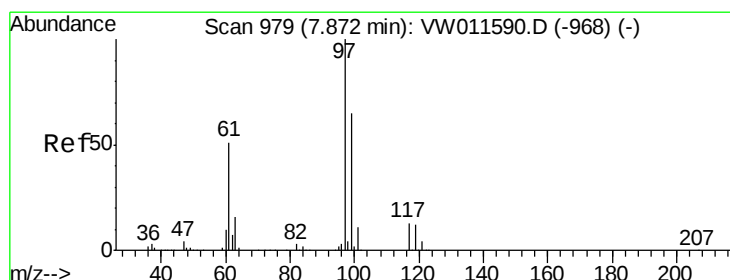
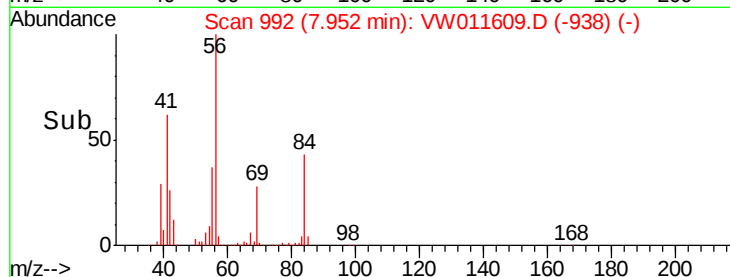
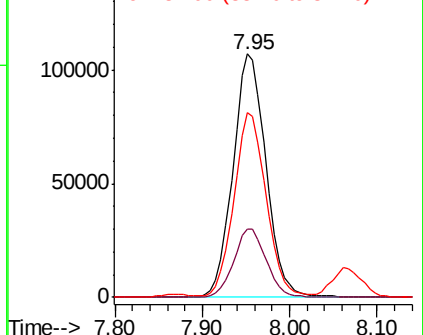
56 100

69 27.8 22.4 33.6

84 74.4 60.6 91.0



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



#31

1,1,1-Trichloroethane

Concen: 24.750 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW011609.D

Acq: 01 Aug 2019 19:19

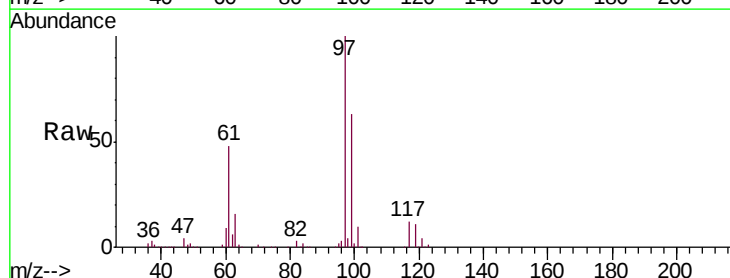
Tgt Ion: 97 Resp: 197836

Ion Ratio Lower Upper

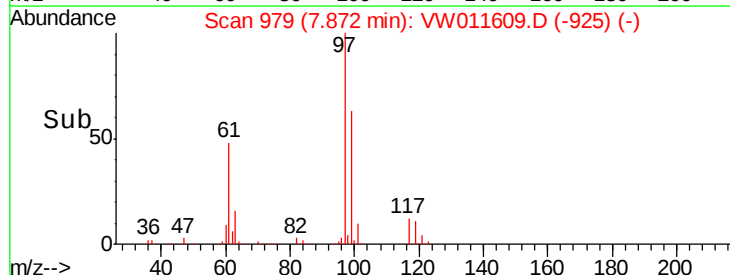
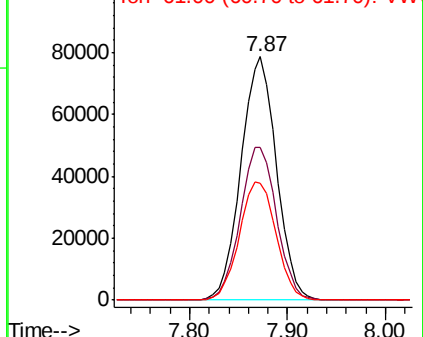
97 100

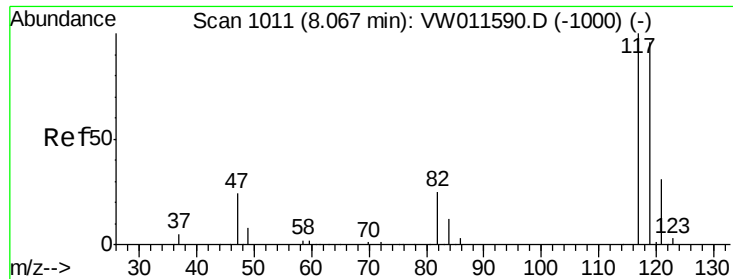
99 64.3 52.1 78.1

61 50.4 40.3 60.5



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 24.712 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW011609.D

Acq: 01 Aug 2019 19:19

Instrument :

MSVOA_W

ClientSampleId :

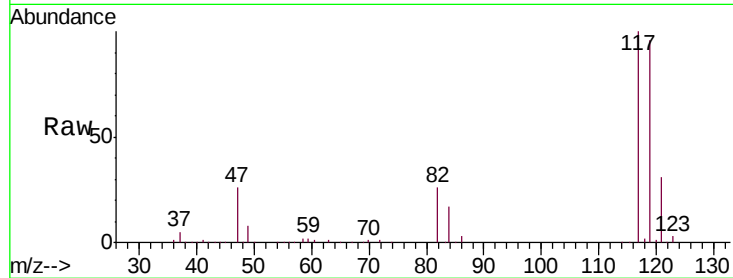
VSTD02528

Tgt Ion:117 Resp: 185833

Ion Ratio Lower Upper

117 100

119 95.8 76.2 114.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

80000

60000

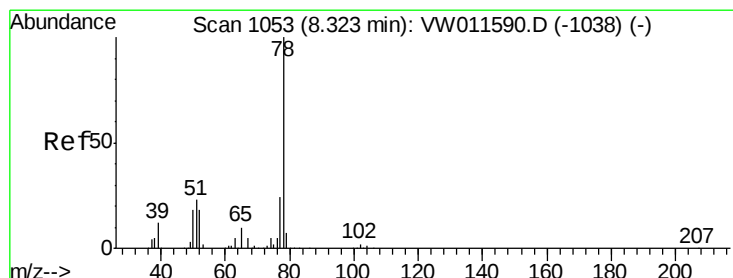
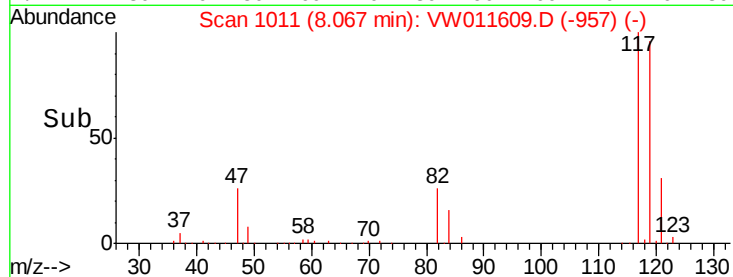
40000

20000

0

8.00 8.10 8.20

Time-->



#34

Benzene

Concen: 24.872 ug/L

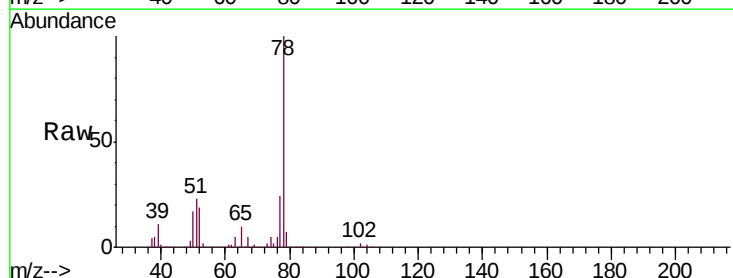
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW011609.D

Acq: 01 Aug 2019 19:19

Tgt Ion: 78 Resp: 571796



Abundance Ion 78.00 (77.70 to 78.70): VW

300000

250000

200000

150000

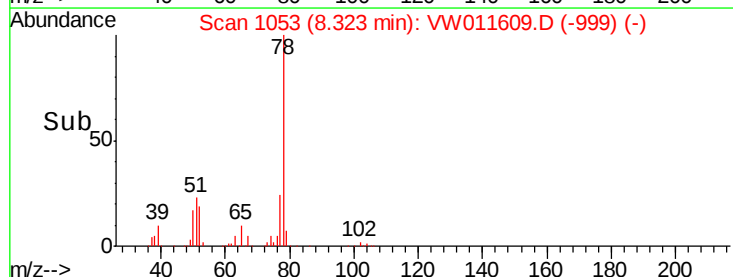
100000

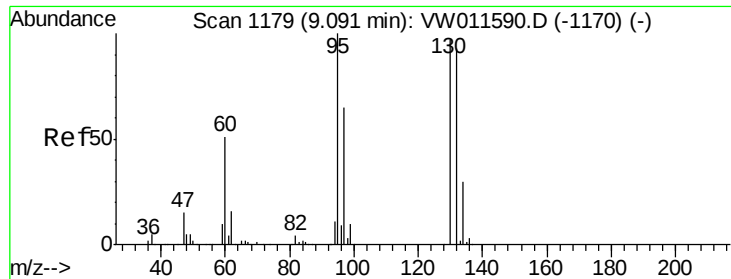
50000

0

8.20 8.30 8.40

Time-->

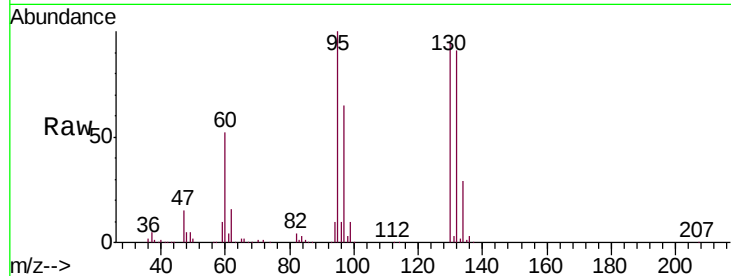




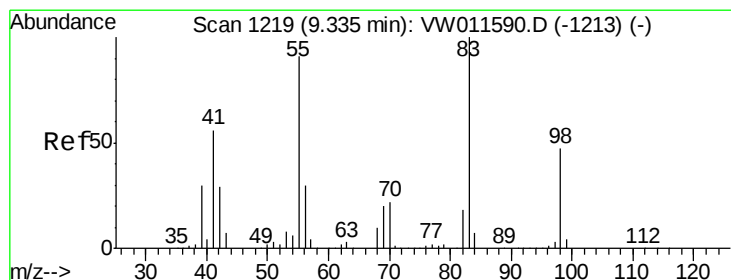
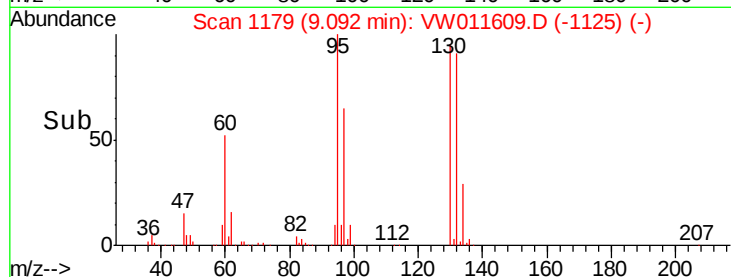
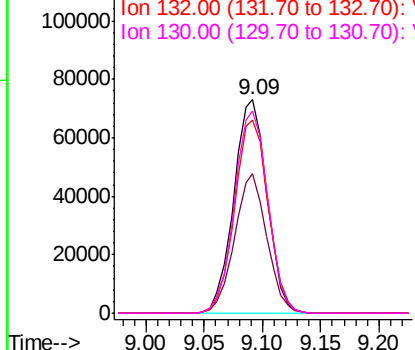
#35
 Trichloroethene
 Concen: 24.896 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW011609.D
 Acq: 01 Aug 2019 19:19

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02528

Tgt Ion: 95 Resp: 145297
 Ion Ratio Lower Upper
 95 100
 97 63.4 44.8 83.2
 132 91.5 65.0 120.6
 130 95.4 68.0 126.4

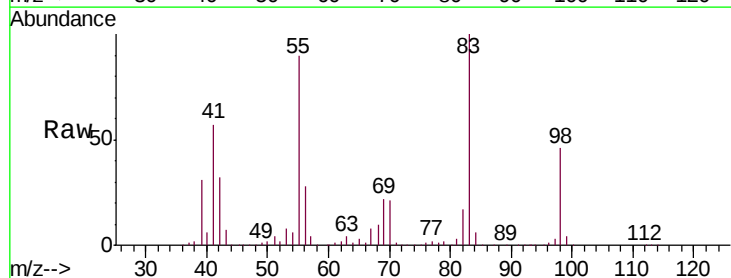


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

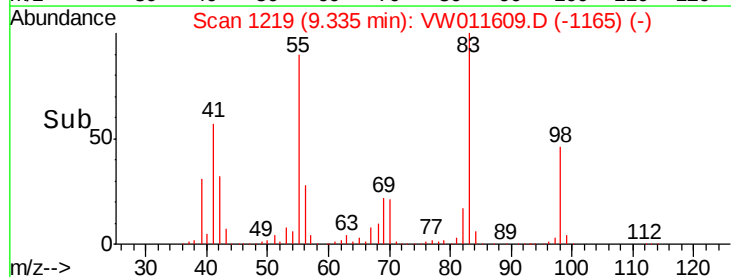
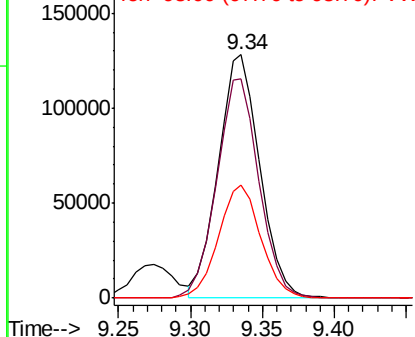


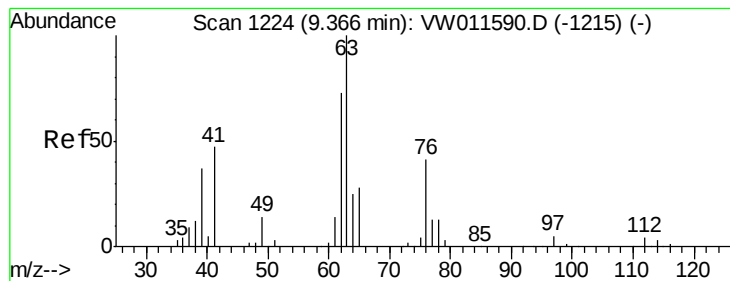
#36
 Methylcyclohexane
 Concen: 24.376 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW011609.D
 Acq: 01 Aug 2019 19:19

Tgt Ion: 83 Resp: 258088
 Ion Ratio Lower Upper
 83 100
 55 91.4 72.6 108.8
 98 47.4 37.8 56.6



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: 25.362 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW011609.D

Acq: 01 Aug 2019 19:19

Instrument :

MSVOA_W

ClientSampleId :

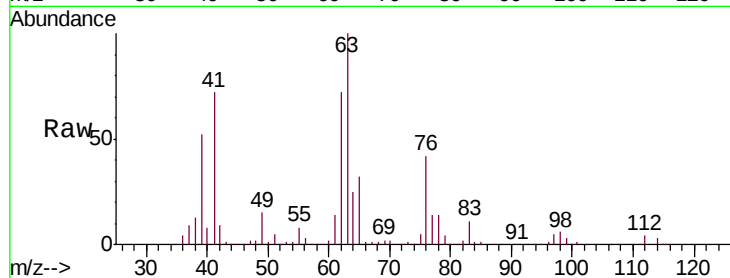
VSTD02528

Tgt Ion: 63 Resp: 155631

Ion Ratio Lower Upper

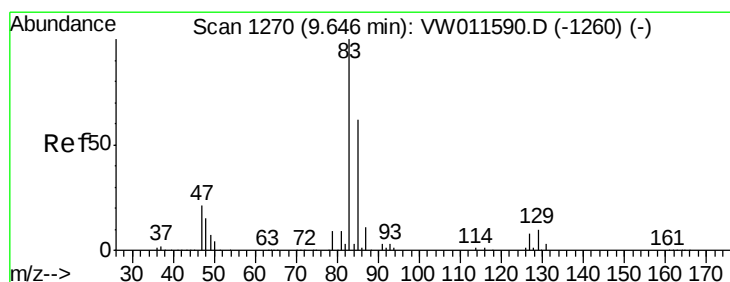
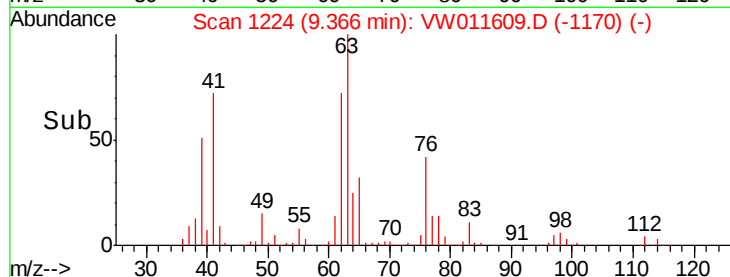
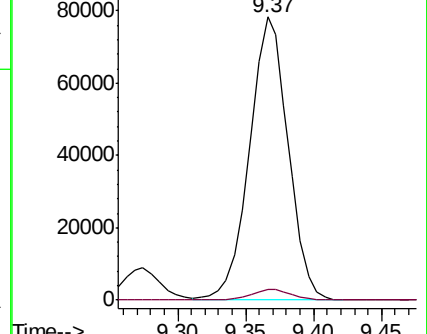
63 100

112 3.9 3.1 4.7



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 25.593 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW011609.D

Acq: 01 Aug 2019 19:19

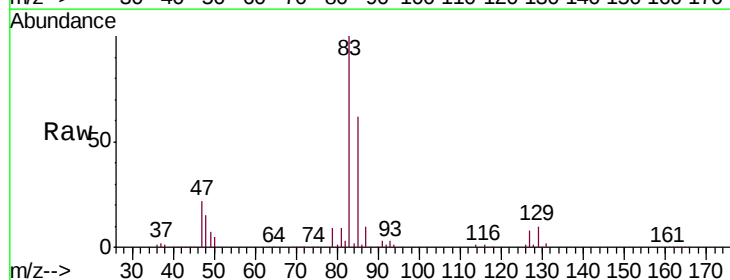
Tgt Ion: 83 Resp: 185330

Ion Ratio Lower Upper

83 100

85 62.3 44.0 81.6

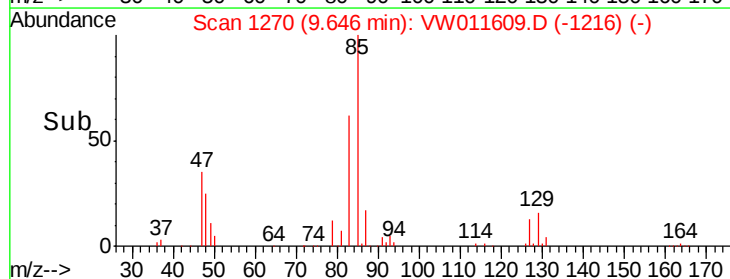
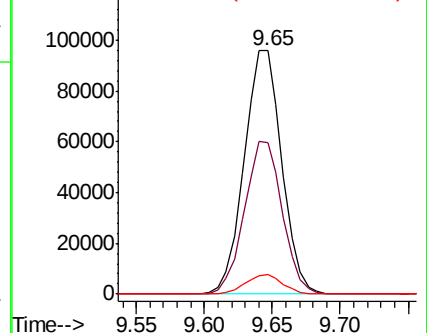
127 8.1 6.5 9.7

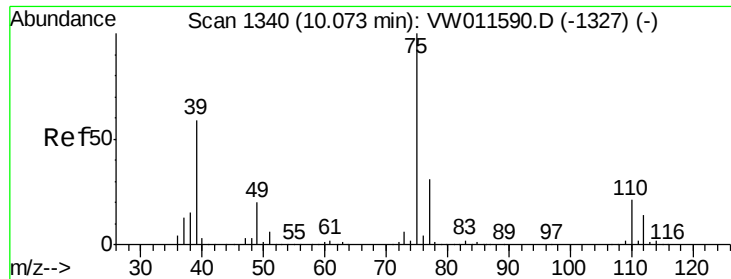


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V

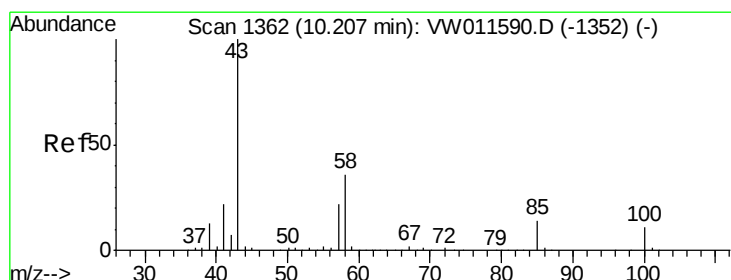
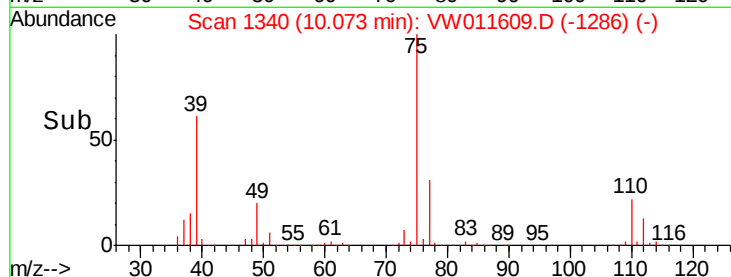
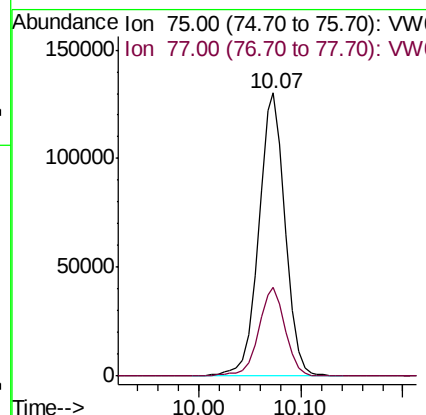
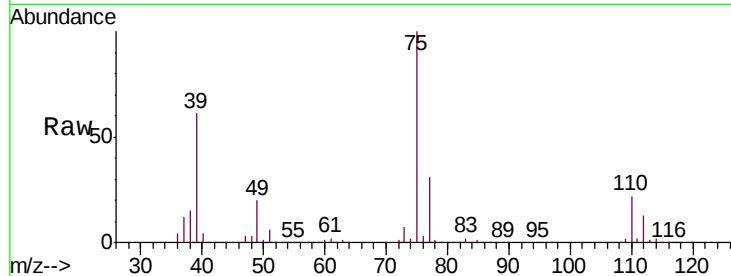




#42
 cis-1,3-Dichloropropene
 Concen: 25.532 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW011609.D
 Acq: 01 Aug 2019 19:19

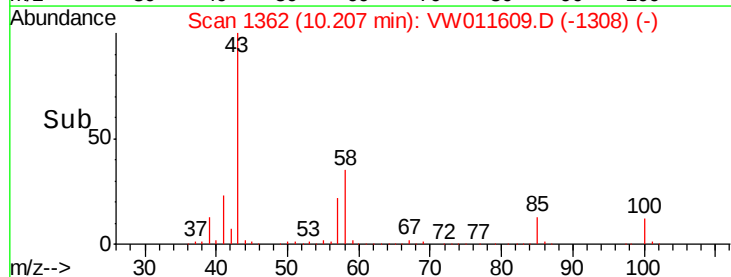
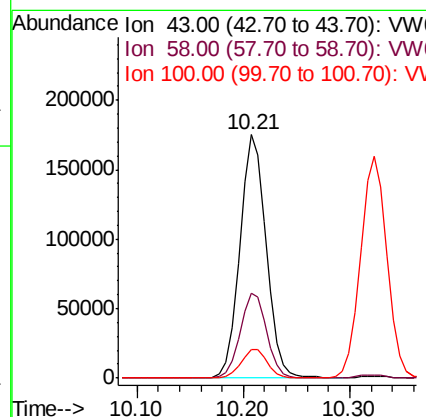
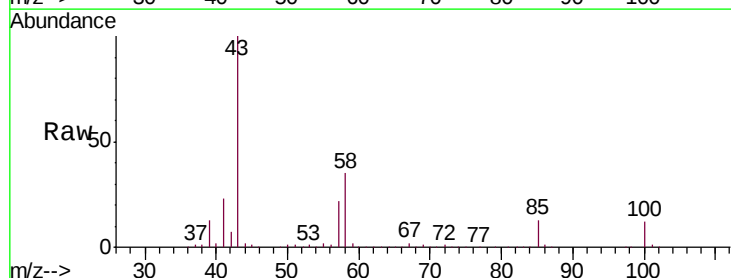
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02528

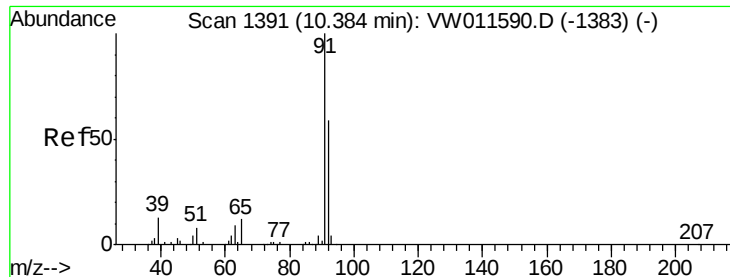
Tgt Ion: 75 Resp: 234355
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.3 41.3



#43
 4-Methyl-2-pentanone
 Concen: 54.601 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW011609.D
 Acq: 01 Aug 2019 19:19

Tgt Ion: 43 Resp: 303582
 Ion Ratio Lower Upper
 43 100
 58 35.2 28.0 42.0
 100 11.9 9.4 14.2





#44

Toluene

Concen: 25.491 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011609.D

Acq: 01 Aug 2019 19:19

Instrument :

MSVOA_W

ClientSampleId :

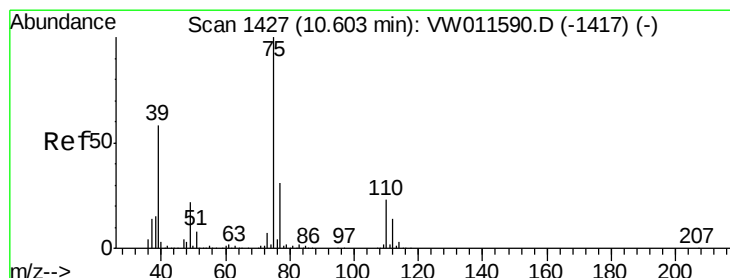
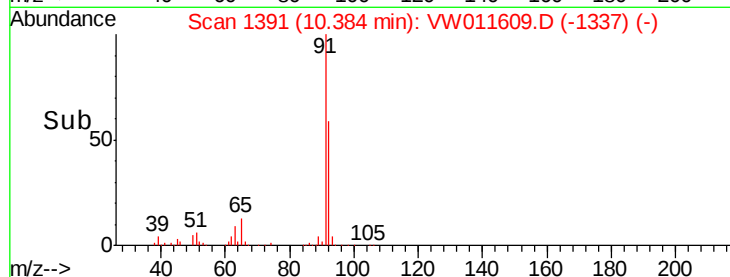
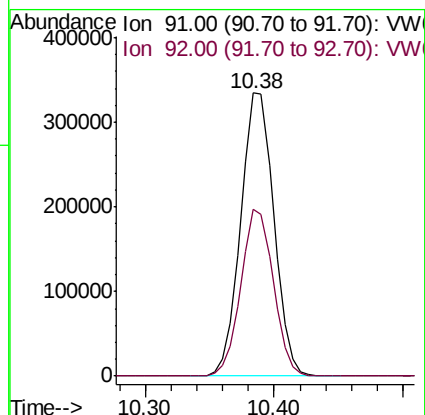
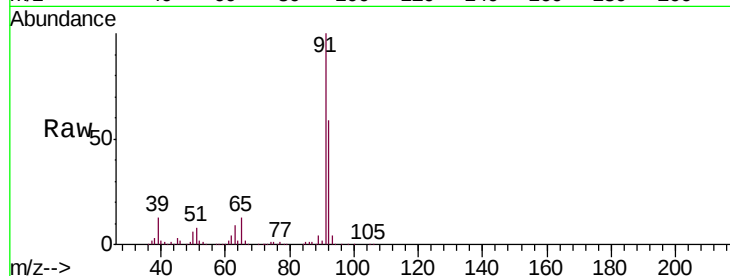
VSTD02528

Tgt Ion: 91 Resp: 595379

Ion Ratio Lower Upper

91 100

92 58.9 40.9 76.0



#45

trans-1,3-Dichloropropene

Concen: 25.535 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011609.D

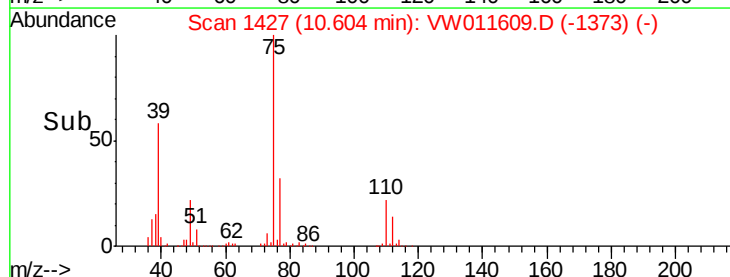
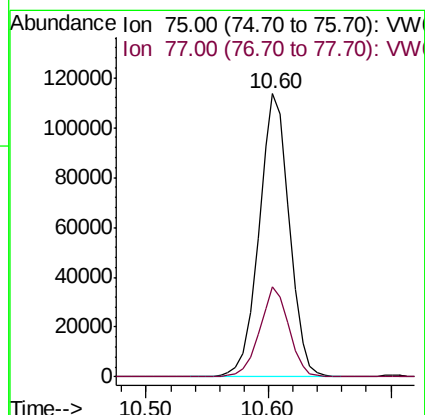
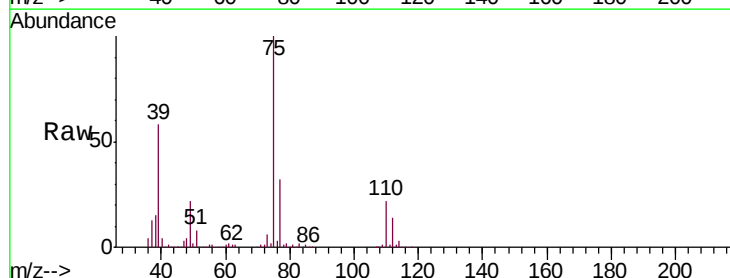
Acq: 01 Aug 2019 19:19

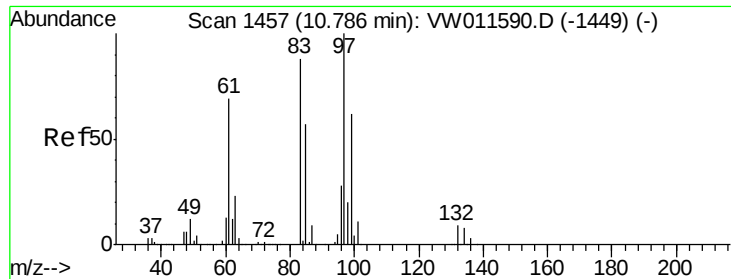
Tgt Ion: 75 Resp: 195003

Ion Ratio Lower Upper

75 100

77 31.6 21.6 40.0

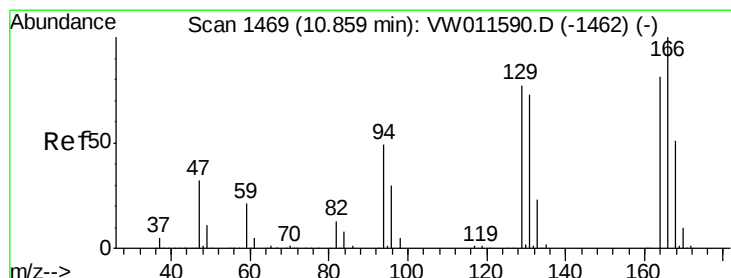
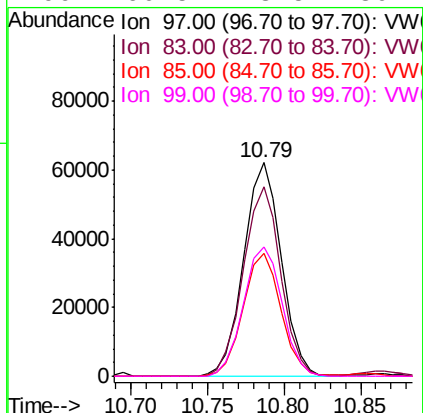
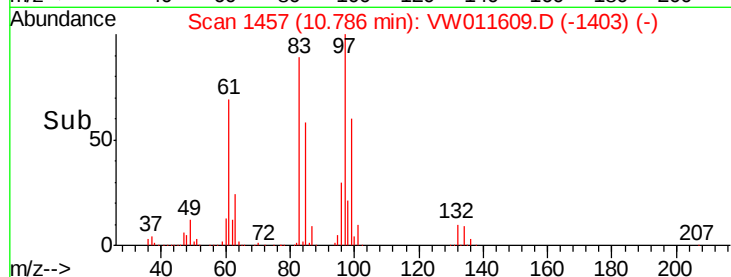
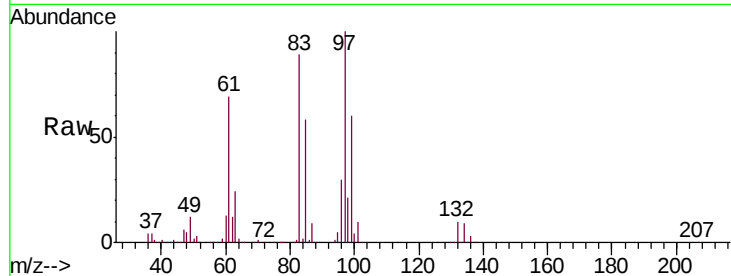




#46
 1,1,2-Trichloroethane
 Concen: 25.449 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW011609.D
 Acq: 01 Aug 2019 19:19

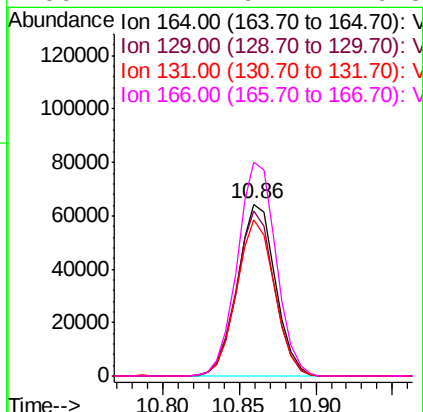
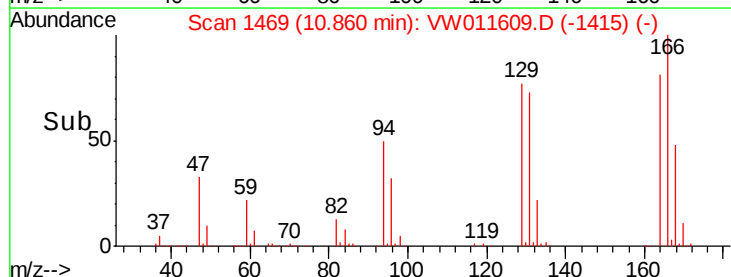
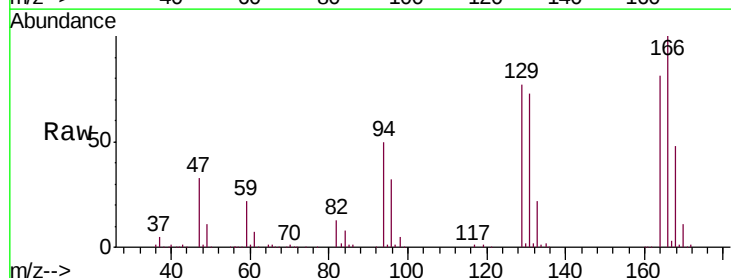
Instrument :
 MSVOA_W
 ClientSampleID :
 VSTD02528

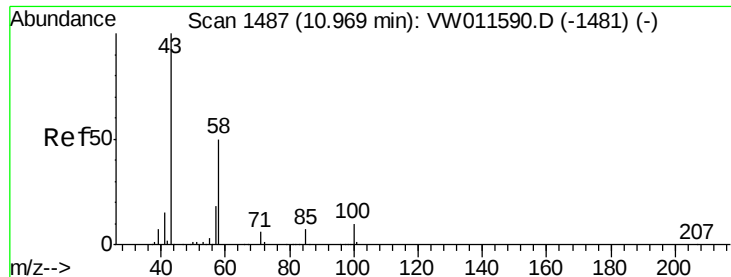
Tgt Ion:	97	Resp:	106475
Ion	Ratio	Lower	Upper
97	100		
83	88.8	63.8	118.6
85	57.7	39.3	72.9
99	60.5	43.5	80.7



#47
 Tetrachloroethene
 Concen: 24.805 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VW011609.D
 Acq: 01 Aug 2019 19:19

Tgt Ion:	164	Resp:	110575
Ion	Ratio	Lower	Upper
164	100		
129	95.6	64.0	119.0
131	90.9	58.6	108.8
166	124.2	91.7	170.3

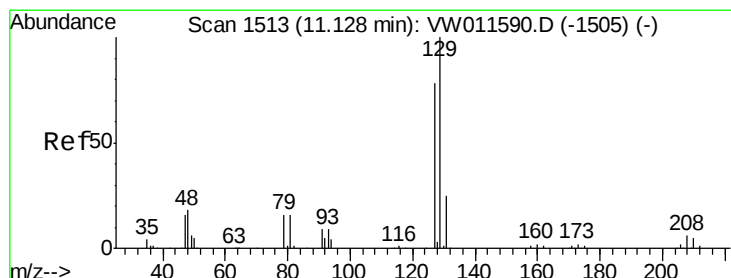
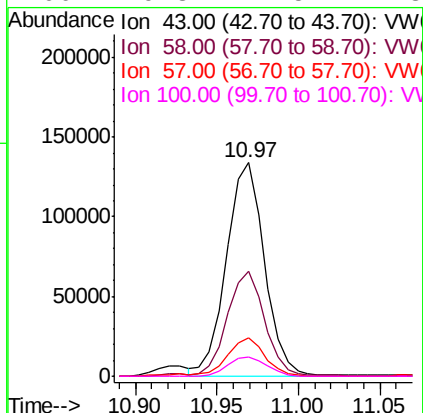
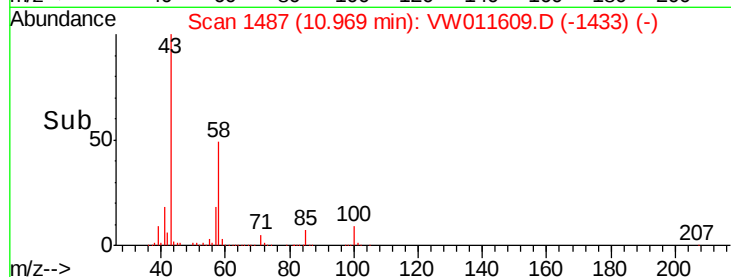
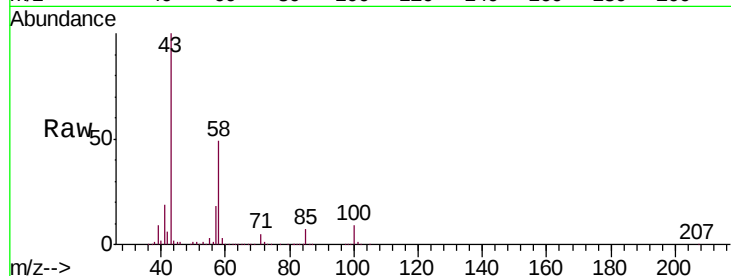




#49
2-Hexanone
Concen: 50.881 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011609.D
Acq: 01 Aug 2019 19:19

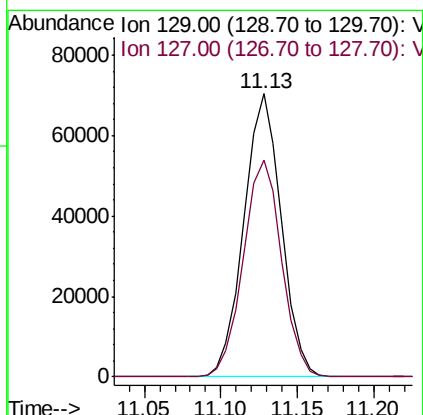
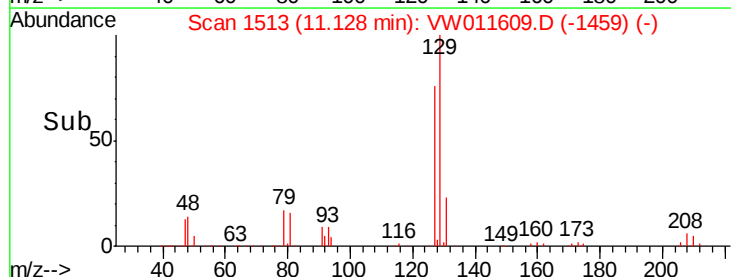
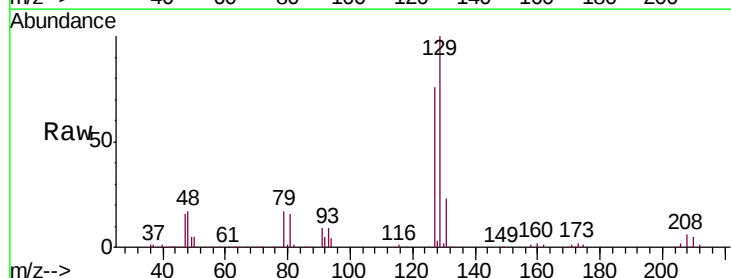
Instrument :
MSVOA_W
ClientSampleId :
VSTD02528

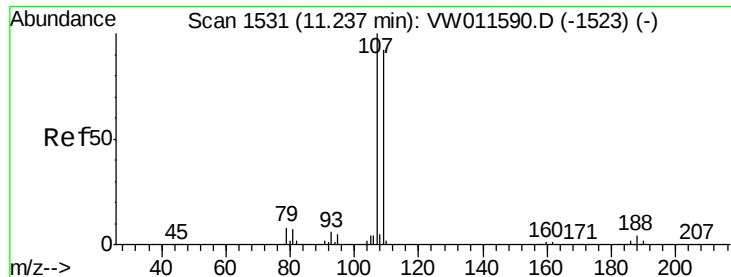
Tgt Ion: 43 Resp: 217954
Ion Ratio Lower Upper
43 100
58 48.6 38.6 57.8
57 17.5 13.0 19.6
100 9.3 7.5 11.3



#50
Dibromochloromethane
Concen: 26.015 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011609.D
Acq: 01 Aug 2019 19:19

Tgt Ion: 129 Resp: 119967
Ion Ratio Lower Upper
129 100
127 76.4 52.6 97.6

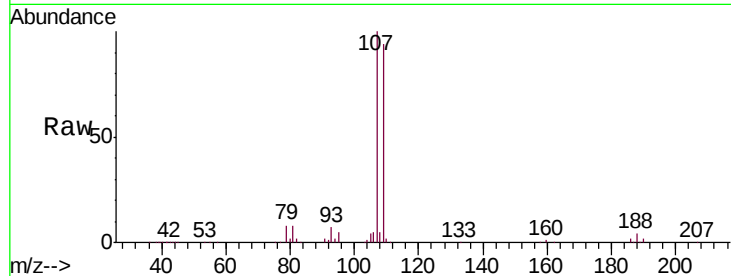




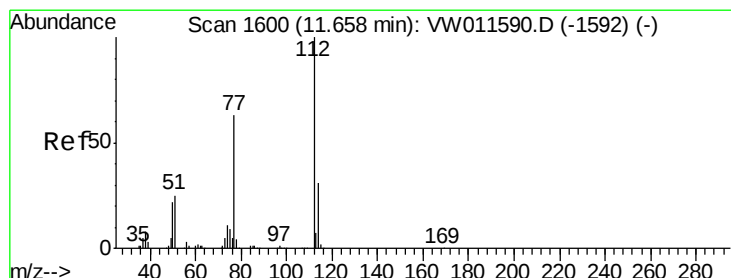
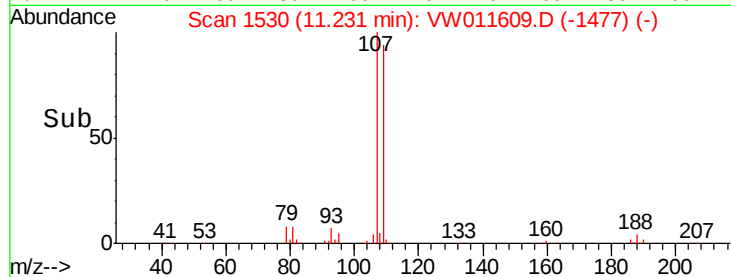
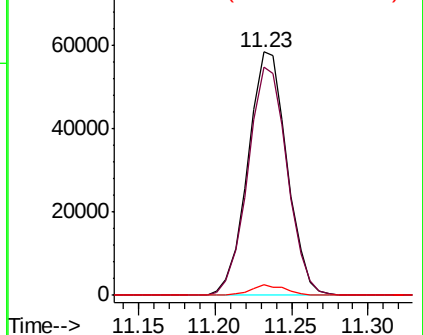
#51
 1,2-Dibromoethane
 Concen: 25.546 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW011609.D
 Acq: 01 Aug 2019 19:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.9	66.1	122.8
188	4.3	2.9	4.3

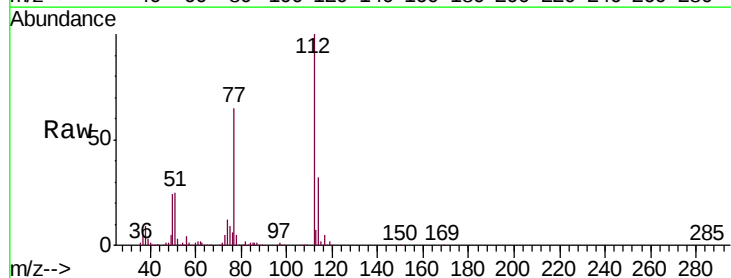


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

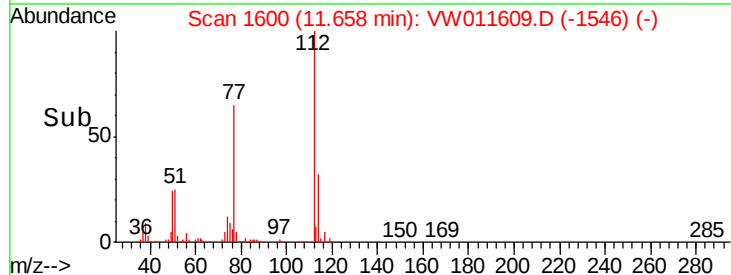
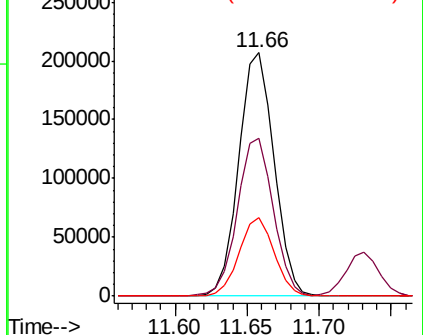


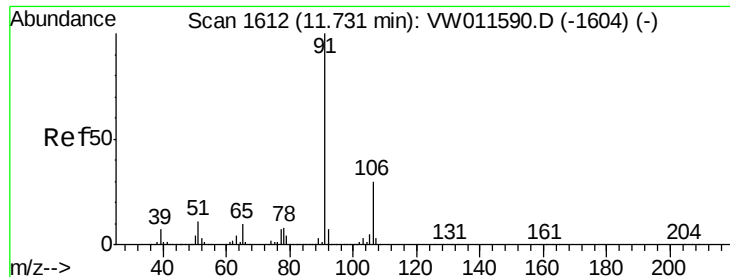
#52
 Chlorobenzene
 Concen: 25.029 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW011609.D
 Acq: 01 Aug 2019 19:19

Tgt Ion	Ratio	Lower	Upper
112	100		
77	64.6	51.0	76.4
114	32.2	22.4	41.6



Abundance Ion 112.00 (111.70 to 112.70): V
 Ion 77.00 (76.70 to 77.70): V
 Ion 114.00 (113.70 to 114.70): V

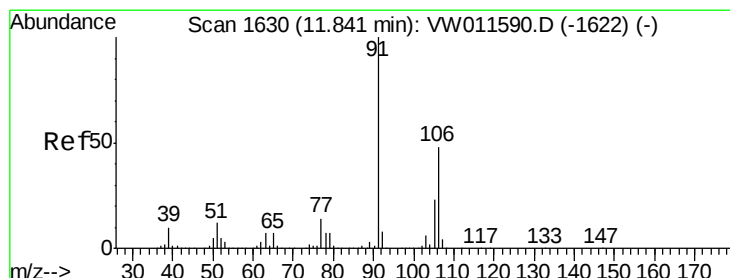
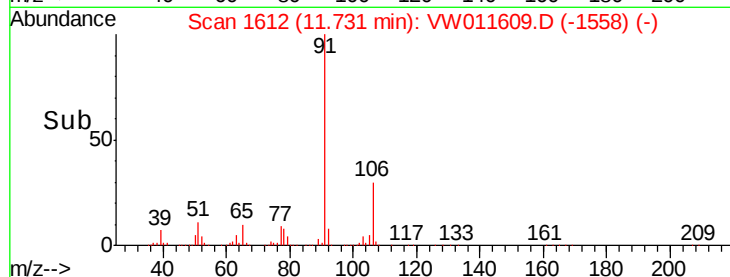
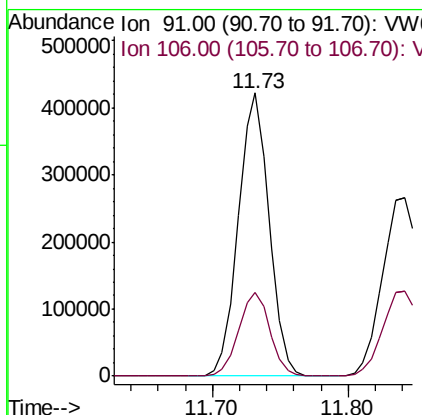
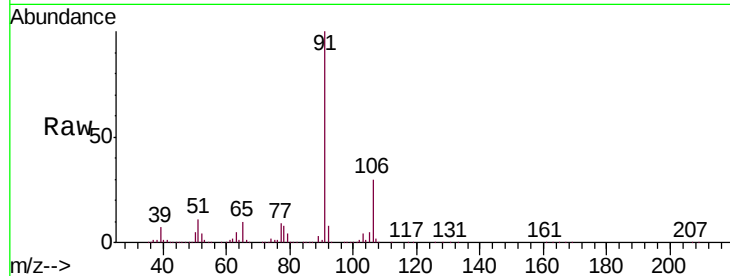




#53
Ethylbenzene
Concen: 25.519 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011609.D
Acq: 01 Aug 2019 19:19

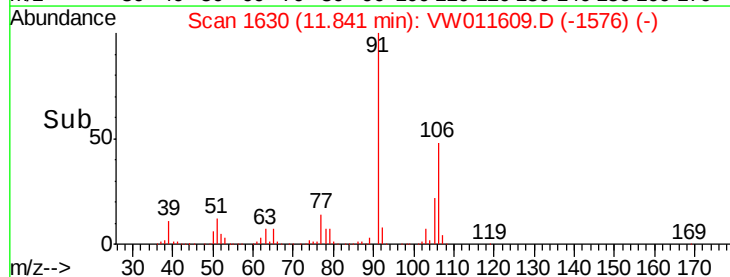
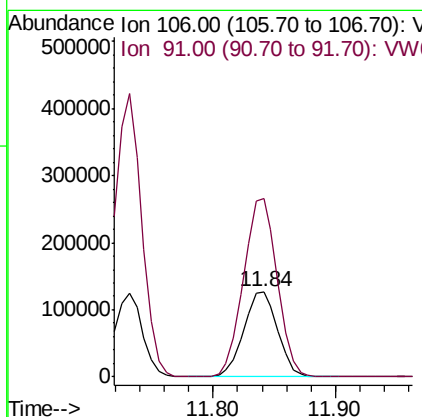
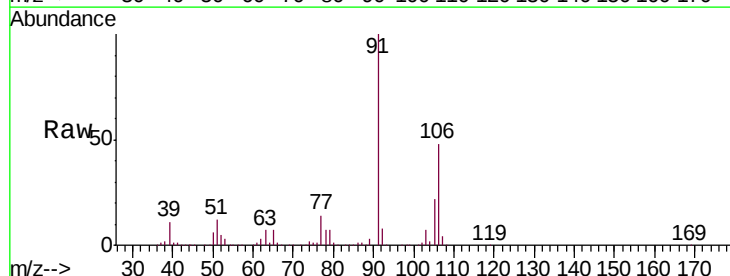
Instrument :
MSVOA_W
ClientSampleId :
VSTD02528

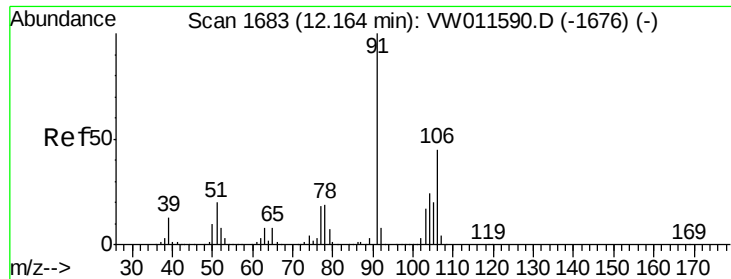
Tgt Ion: 91 Resp: 664680
Ion Ratio Lower Upper
91 100
106 29.7 20.6 38.4



#54
m,p-Xylene
Concen: 25.713 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW011609.D
Acq: 01 Aug 2019 19:19

Tgt Ion: 106 Resp: 243537
Ion Ratio Lower Upper
106 100
91 208.8 149.6 277.8

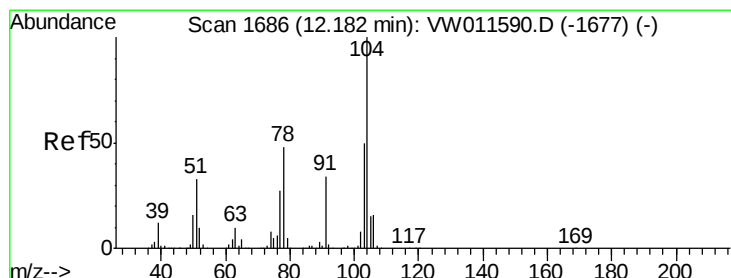
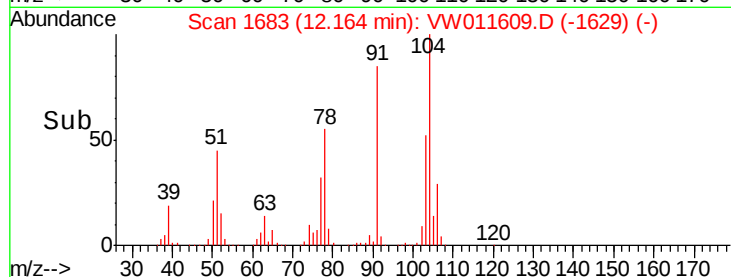
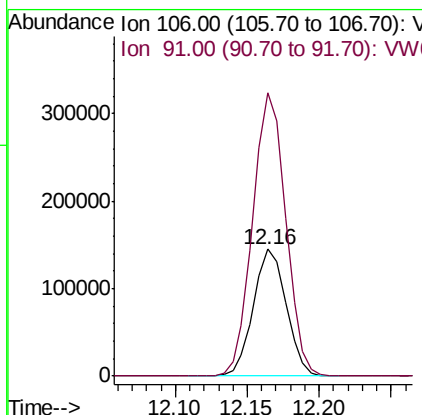
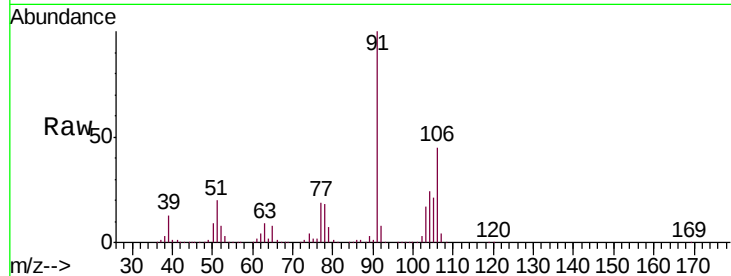




#55
o-xylene
Concen: 25.778 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011609.D
Acq: 01 Aug 2019 19:19

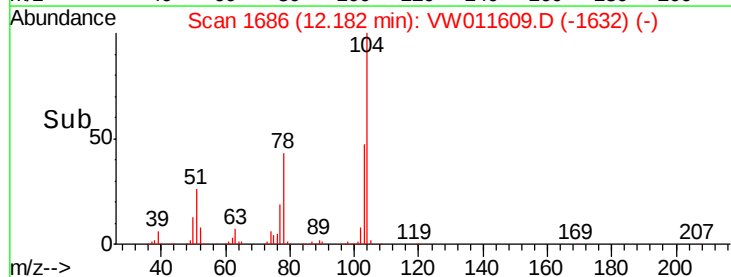
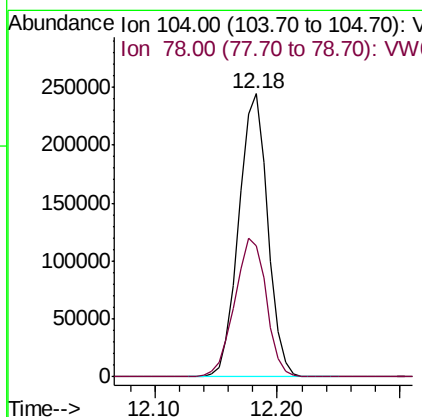
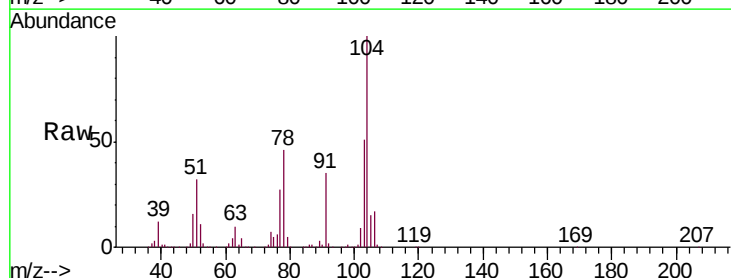
Instrument :
MSVOA_W
ClientSampleId :
VSTD02528

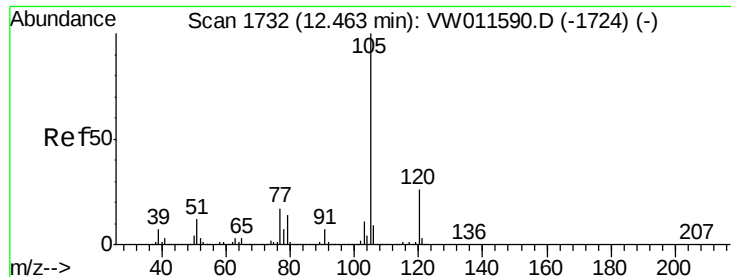
Tgt Ion:106 Resp: 229771
Ion Ratio Lower Upper
106 100
91 222.6 158.3 293.9



#56
Styrene
Concen: 26.427 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011609.D
Acq: 01 Aug 2019 19:19

Tgt Ion:104 Resp: 400484
Ion Ratio Lower Upper
104 100
78 46.5 32.9 61.1





#57

Isopropylbenzene

Concen: 25.680 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011609.D

Acq: 01 Aug 2019 19:19

Instrument :

MSVOA_W

ClientSampleId :

VSTD02528

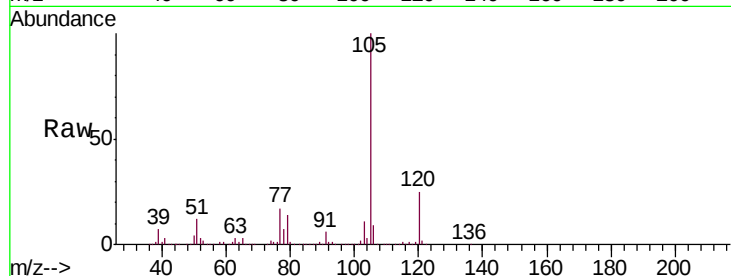
Tgt Ion:105 Resp: 629724

Ion Ratio Lower Upper

105 100

120 25.7 20.6 30.8

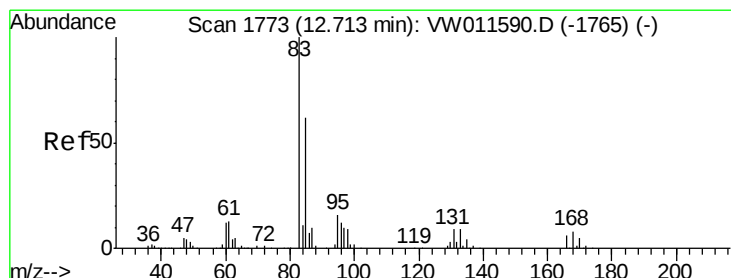
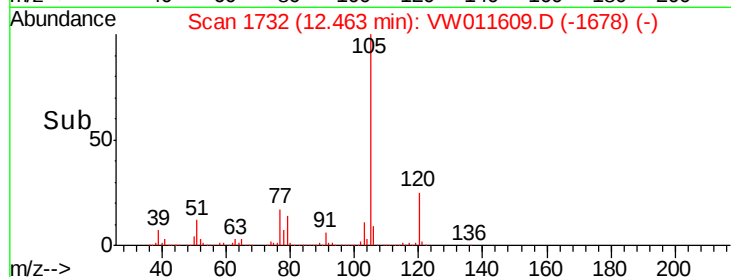
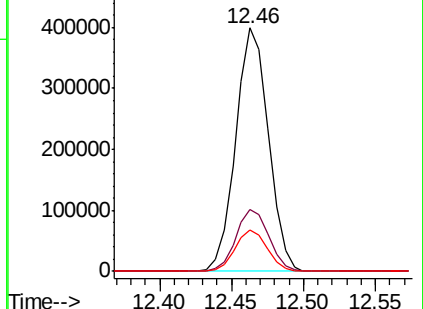
77 17.0 13.4 20.2



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: 26.314 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011609.D

Acq: 01 Aug 2019 19:19

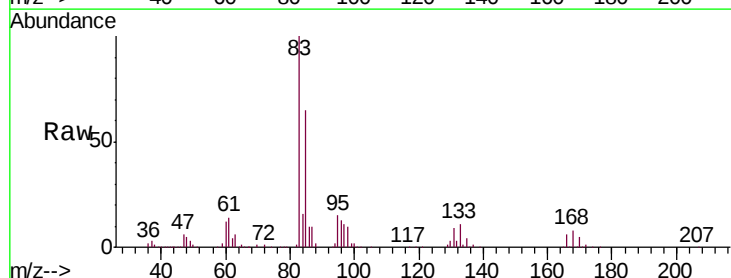
Tgt Ion: 83 Resp: 146300

Ion Ratio Lower Upper

83 100

85 65.5 43.5 80.9

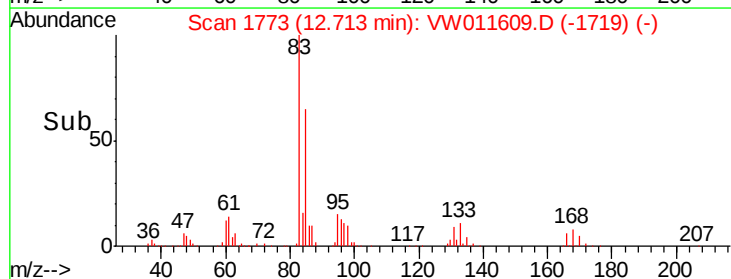
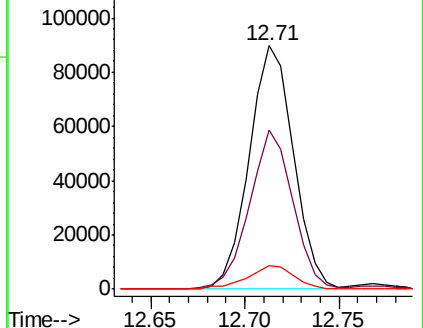
131 9.5 7.5 11.3

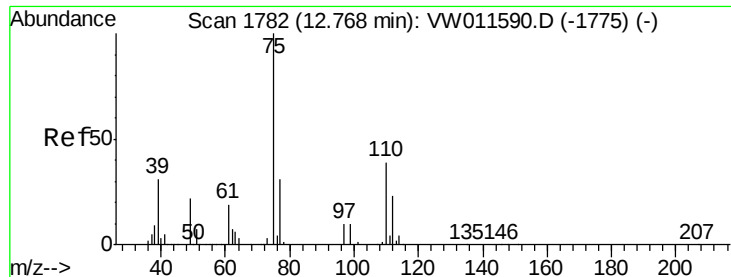


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 26.102 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW011609.D

Acq: 01 Aug 2019 19:19

Instrument :

MSVOA_W

ClientSampleId :

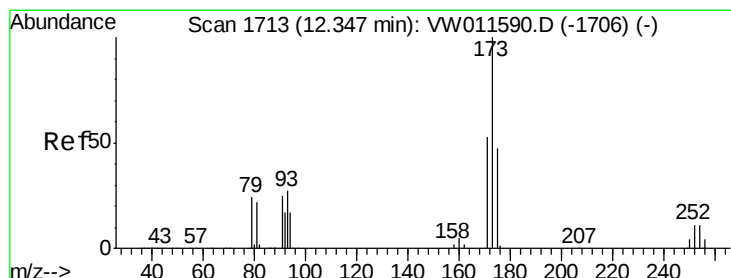
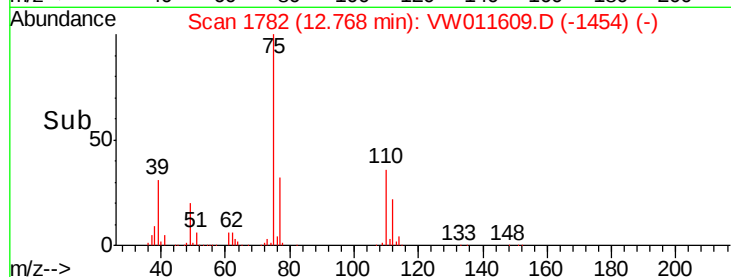
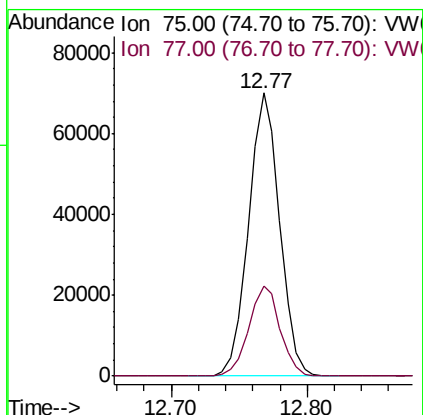
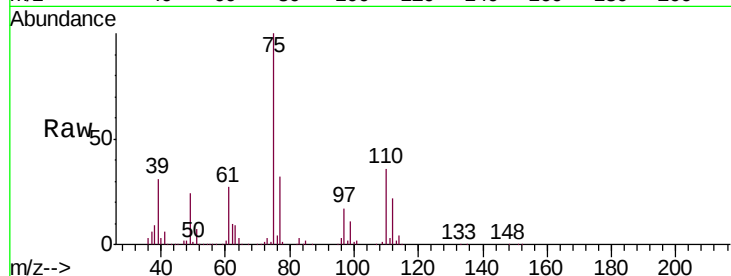
VSTD02528

Tgt Ion: 75 Resp: 111928

Ion Ratio Lower Upper

75 100

77 32.2 25.1 37.7



#62

Bromoform

Concen: 25.324 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011609.D

Acq: 01 Aug 2019 19:19

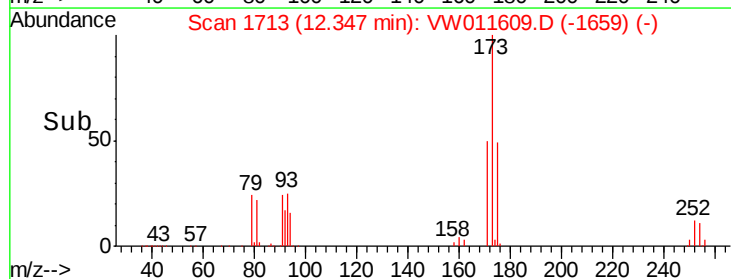
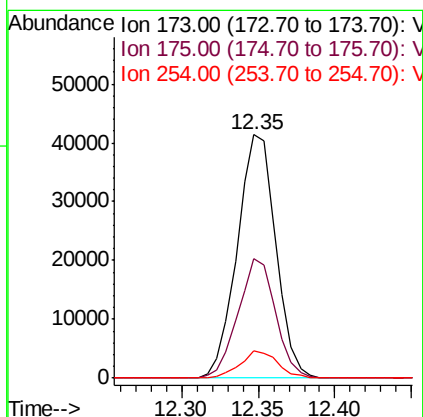
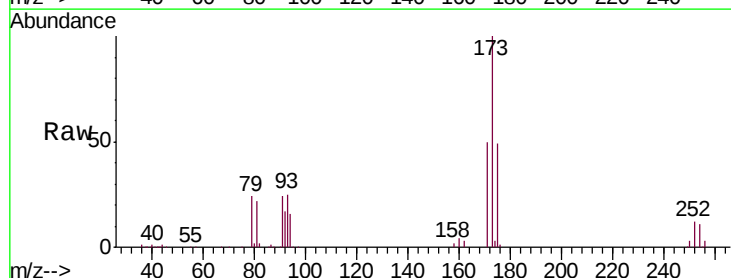
Tgt Ion: 173 Resp: 72316

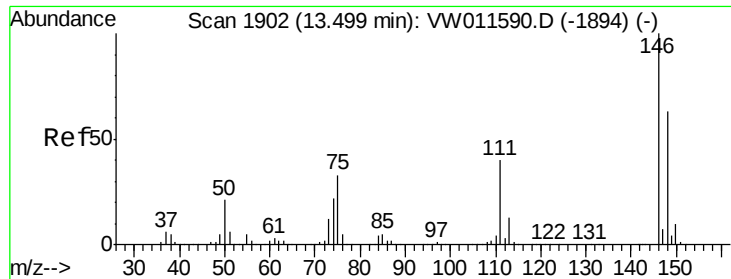
Ion Ratio Lower Upper

173 100

175 47.5 39.4 59.0

254 10.8 9.0 13.6

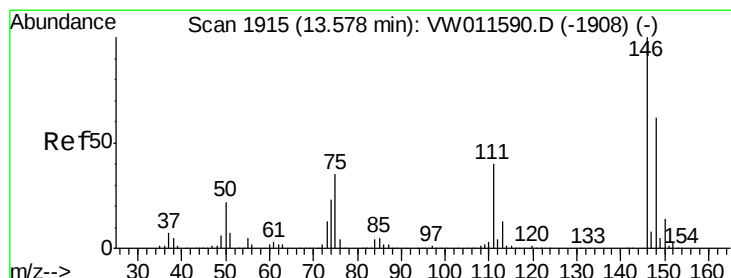
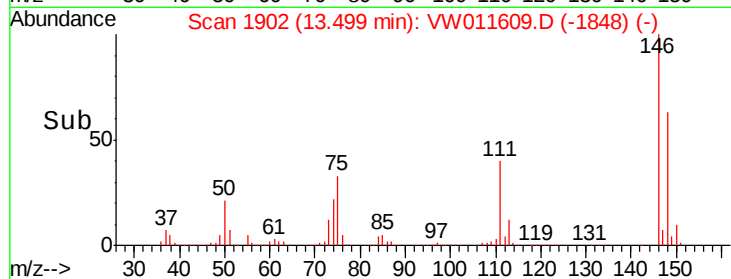
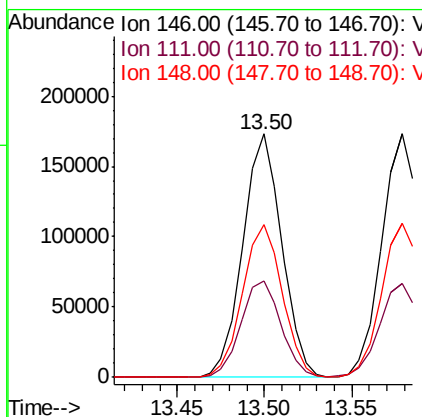
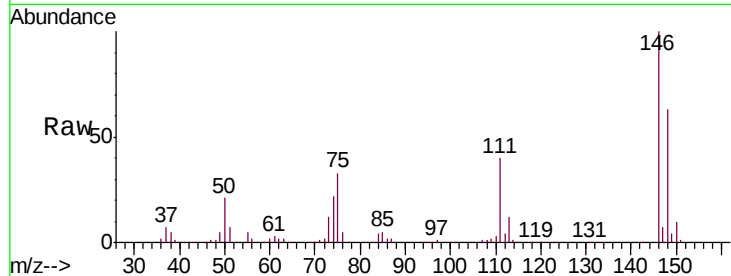




#63
 1,3-Dichlorobenzene
 Concen: 24.828 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011609.D
 Acq: 01 Aug 2019 19:19

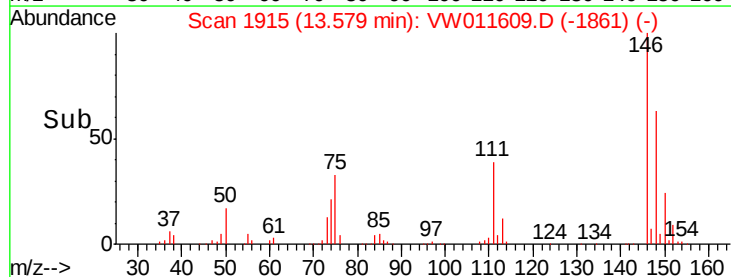
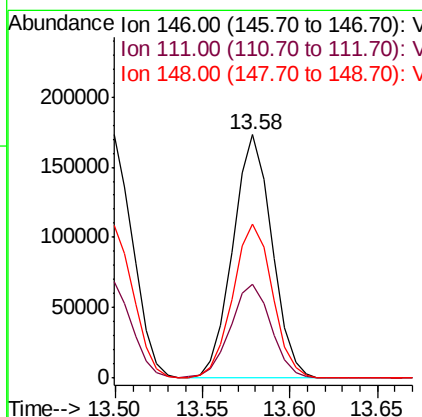
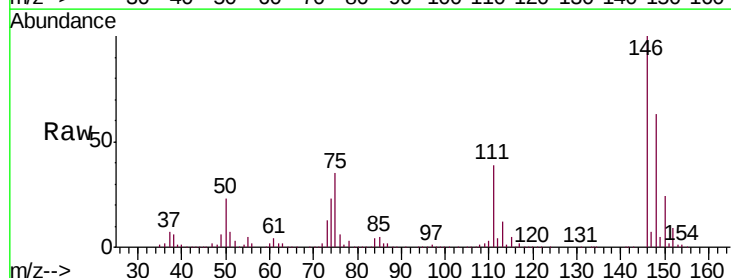
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

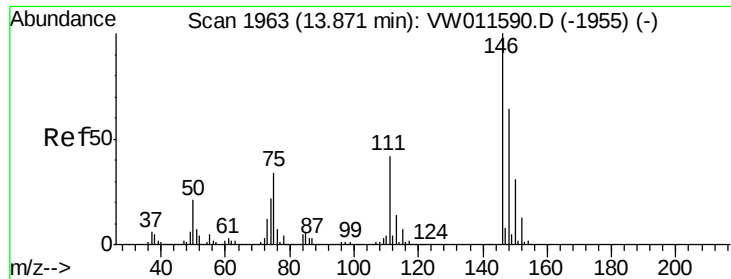
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	28.6	53.2
148	62.7	44.4	82.5



#64
 1,4-Dichlorobenzene
 Concen: 24.851 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW011609.D
 Acq: 01 Aug 2019 19:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	27.4	51.0
148	63.1	44.4	82.5

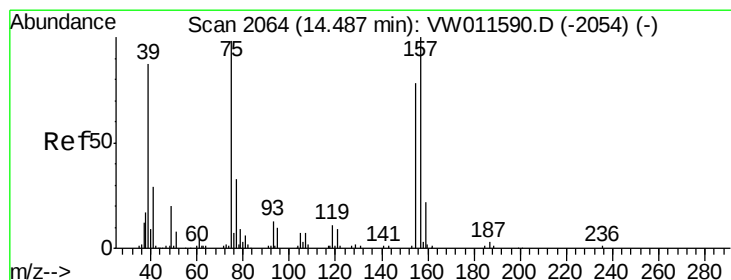
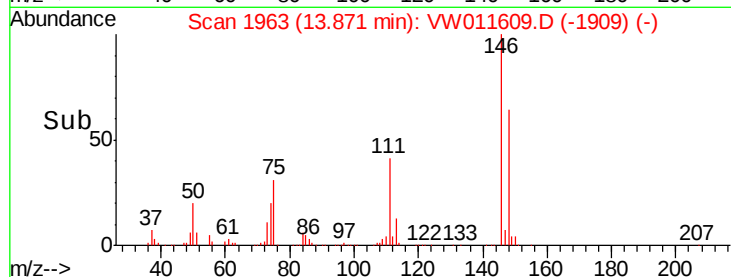
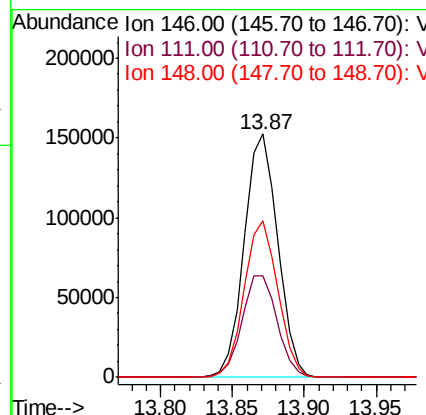
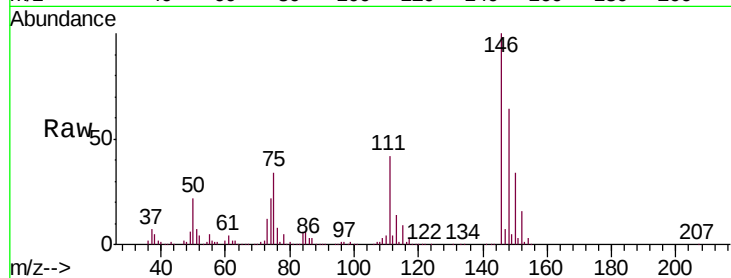




#65
 1,2-Dichlorobenzene
 Concen: 25.081 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011609.D
 Acq: 01 Aug 2019 19:19

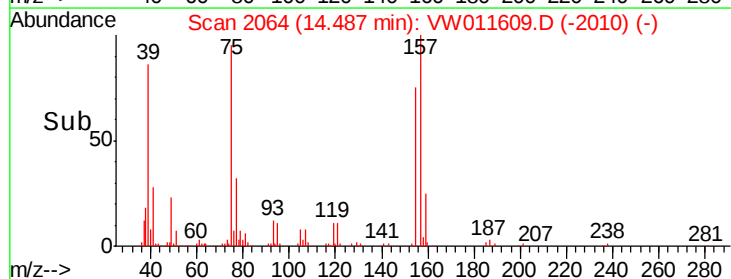
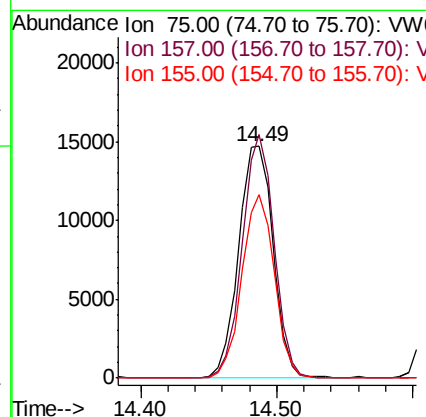
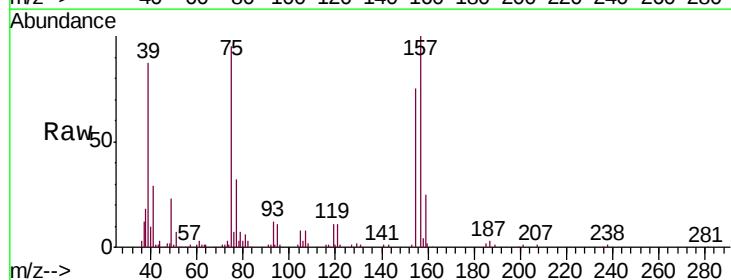
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

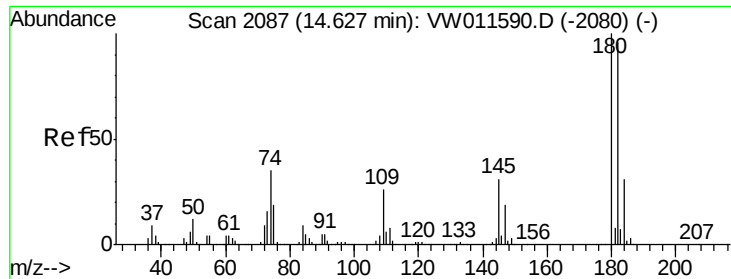
Tgt Ion: 146 Resp: 246029
 Ion Ratio Lower Upper
 146 100
 111 41.6 34.6 51.8
 148 64.5 50.9 76.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 25.792 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011609.D
 Acq: 01 Aug 2019 19:19

Tgt Ion: 75 Resp: 26186
 Ion Ratio Lower Upper
 75 100
 157 105.1 79.3 118.9
 155 79.0 59.9 89.9

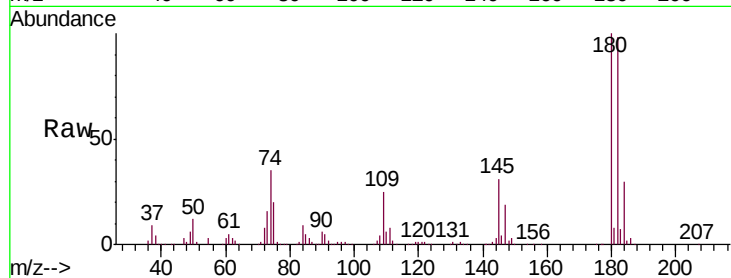




#67
 1,3,5-Trichlorobenzene
 Concen: 24.789 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW011609.D
 Acq: 01 Aug 2019 19:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

Tgt Ion:	180	Resp:	197656
Ion	Ratio	Lower	Upper
180	100		
182	96.5	75.9	113.9
184	30.4	24.2	36.2
145	29.6	23.0	34.6



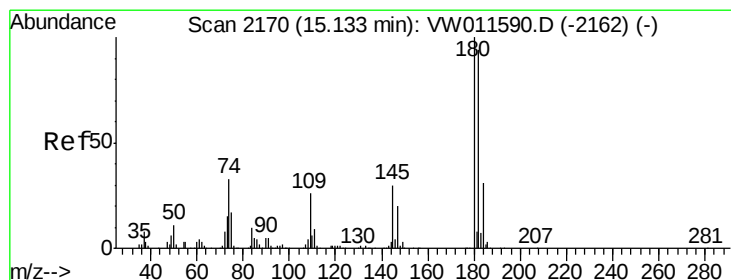
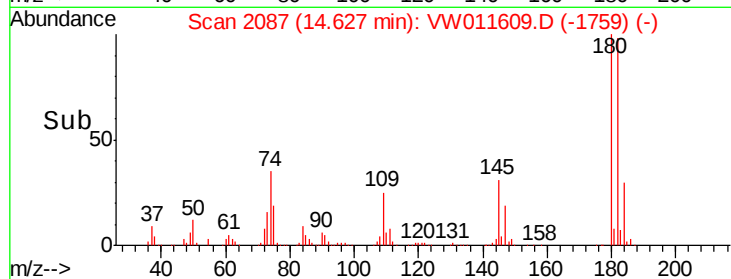
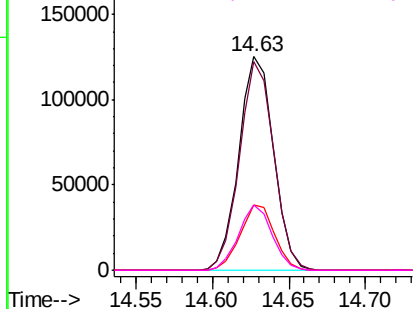
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

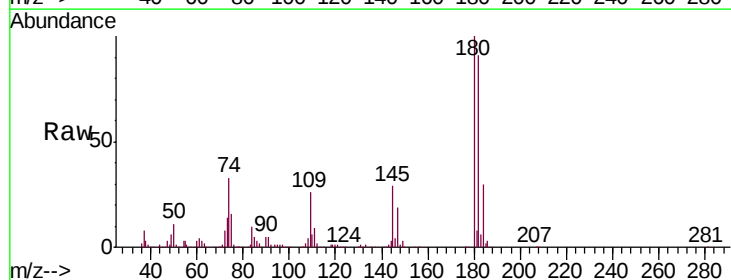
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 25.517 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW011609.D
 Acq: 01 Aug 2019 19:19

Tgt Ion:	180	Resp:	163860
Ion	Ratio	Lower	Upper
180	100		
182	93.1	77.3	115.9
145	30.1	24.3	36.5

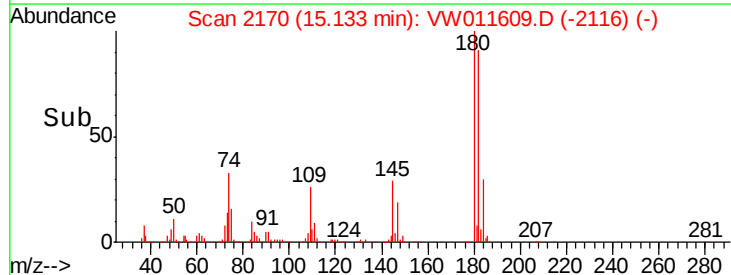
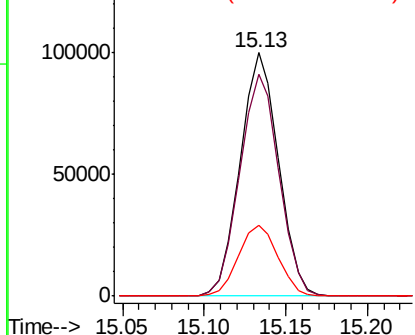


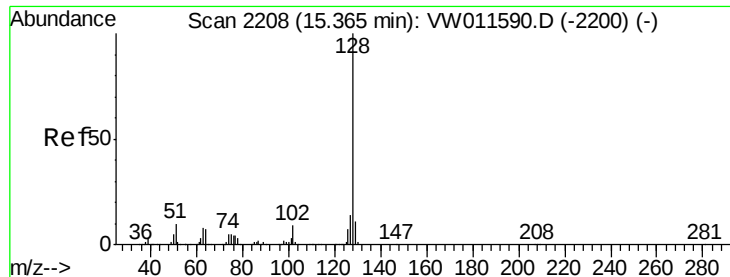
Abundance

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: 26.032 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW011609.D

Acq: 01 Aug 2019 19:19

Instrument :

MSVOA_W

ClientSampleId :

VSTD02528

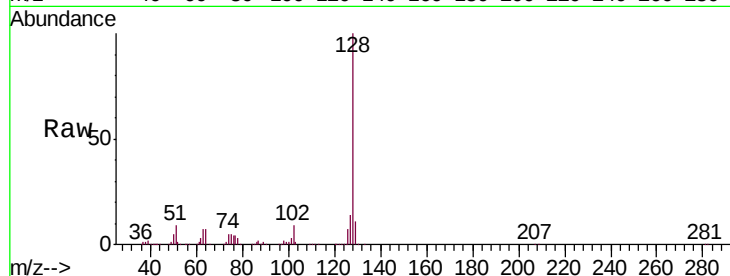
Tgt Ion:128 Resp: 336638

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

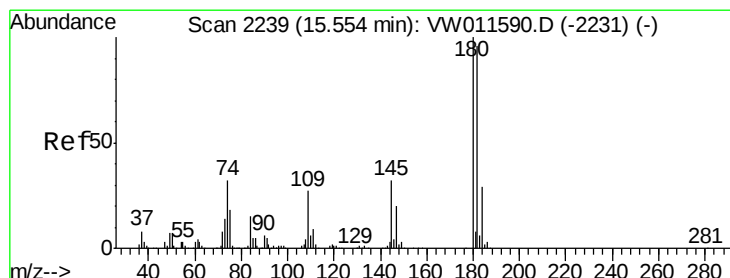
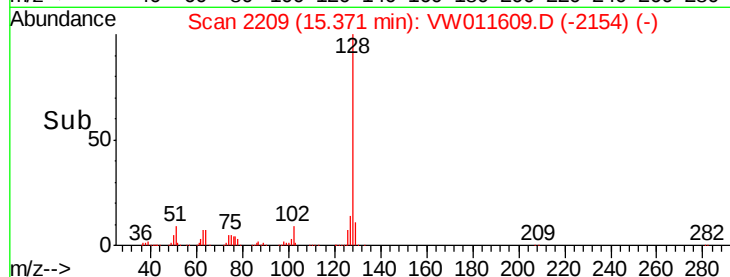
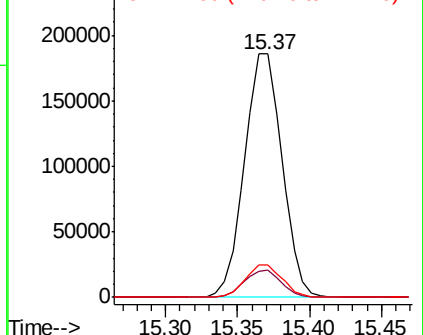
127 13.3 10.6 16.0



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: 24.842 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW011609.D

Acq: 01 Aug 2019 19:19

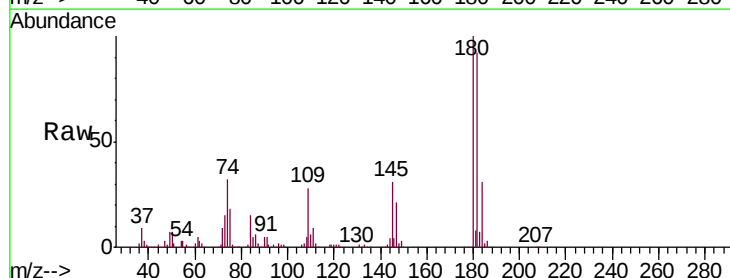
Tgt Ion:180 Resp: 147747

Ion Ratio Lower Upper

180 100

182 93.5 74.9 112.3

145 32.1 25.6 38.4



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

