

Data File : VW011275.D
Acq On : 16 Jul 2019 09:32
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

Quant Time: Jul 17 07:16:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070219S.M
Quant Title : VOC Analysis
QLast Update : Tue Jul 16 05:02:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	386451	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	348120	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	169593	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	124718	21.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.52%
7) Chloroethane-d5	2.88	69	93623	22.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.44%
10) 1,1-Dichloroethene-d2	4.02	63	277082	22.17	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.68%
20) 2-Butanone-d5	7.07	46	107566	46.28	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.56%
24) Chloroform-d	7.64	84	245878	23.21	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.84%
26) 1,2-Dichloroethane-d4	8.30	65	150269	23.04	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.16%
29) Benzene-d6	8.27	84	493260	23.00	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.00%
33) 1,2-Dichloropropane-d6	9.27	67	164669	23.58	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.32%
37) Toluene-d8	10.32	98	434490	22.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.92%
38) trans-1,3-Dichloropropene-	10.57	79	68651	23.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.48%
39) 2-Hexanone-d5	10.92	63	72817	45.47	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.94%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	133870	23.17	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.68%
61) 1,2-Dichlorobenzene-d4	13.85	152	149541	22.97	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.88%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	115331	24.265 ug/L	96
3) Chloromethane	2.21	50	110011	21.319 ug/L	99
5) Vinyl chloride	2.36	62	151042	22.426 ug/L	99
6) Bromomethane	2.78	94	71300	22.628 ug/L	100
8) Chloroethane	2.92	64	80608	23.679 ug/L	99
9) Trichlorofluoromethane	3.25	101	62222	26.983 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	124196	24.171 ug/L	99
12) 1,1-Dichloroethene	4.04	96	118739	23.381 ug/L	83
13) Acetone	4.12	43	100344	44.196 ug/L	98
14) Carbon disulfide	4.38	76	325987	22.439 ug/L	100
15) Methyl Acetate	4.66	43	85585	23.166 ug/L	99
16) Methylene chloride	4.91	84	128294	22.591 ug/L	95
17) Methyl tert-butyl Ether	5.42	73	194857	24.741 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	118397	23.071 ug/L	99
19) 1,1-Dichloroethane	6.21	63	253660	24.348 ug/L	99
21) 2-Butanone	7.17	43	131653	44.918 ug/L	98
22) cis-1,2-Dichloroethene	7.16	96	133477	24.028 ug/L	96

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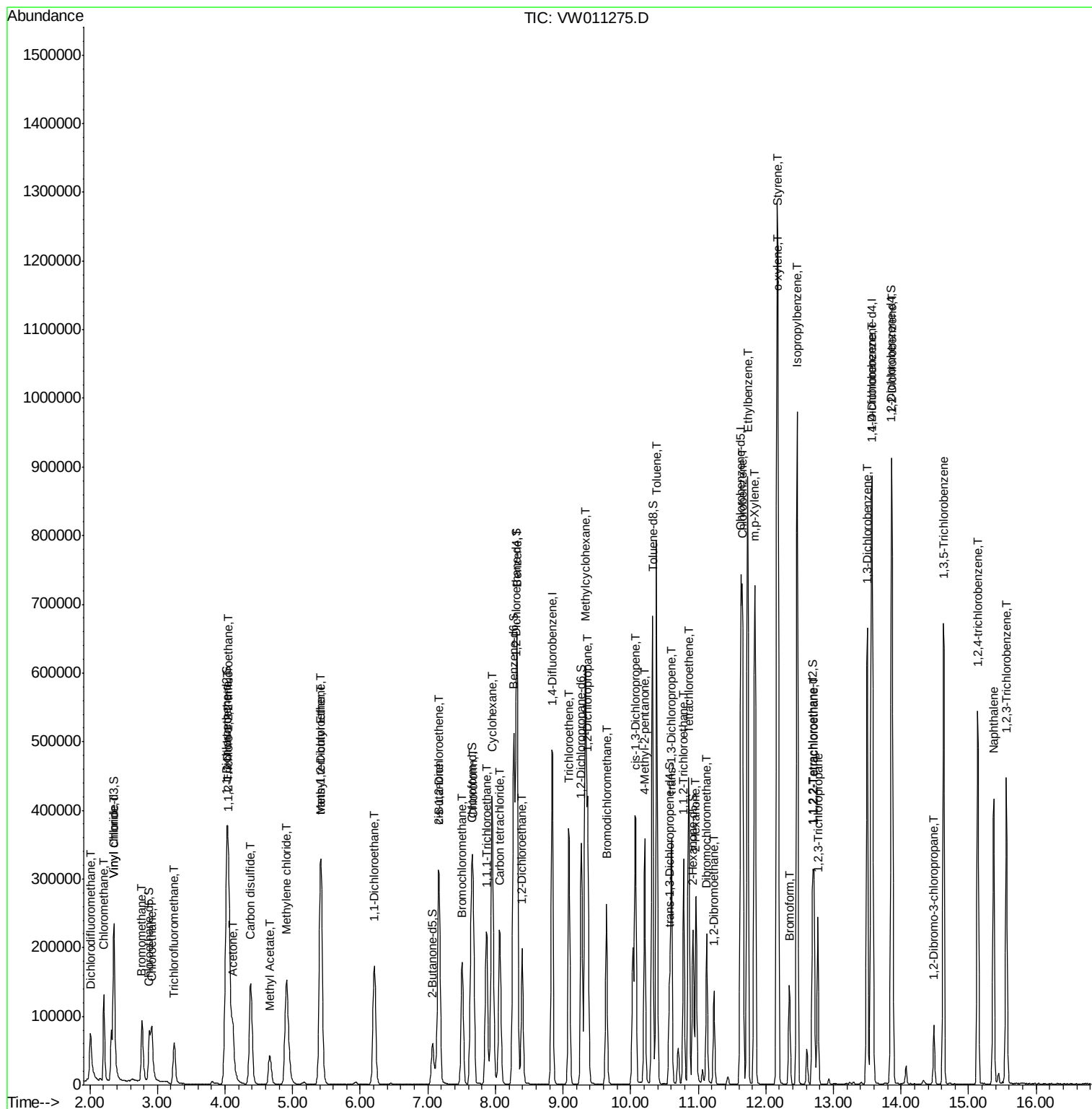
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	56316	24.161	ug/L	98
25) Chloroform	7.67	83	234839	23.797	ug/L	100
27) 1,2-Dichloroethane	8.40	62	176291	23.370	ug/L	99
30) Cyclohexane	7.95	56	244274	23.079	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	178754	24.740	ug/L	99
32) Carbon tetrachloride	8.06	117	168531	24.872	ug/L	98
34) Benzene	8.32	78	524784	24.120	ug/L	100
35) Trichloroethene	9.09	95	131023	23.864	ug/L	98
36) Methylcyclohexane	9.33	83	230411	23.320	ug/L	99
40) 1,2-Dichloropropane	9.37	63	144002	24.154	ug/L	99
41) Bromodichloromethane	9.64	83	171708	24.981	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	216150	24.572	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	247833	44.843	ug/L	100
44) Toluene	10.38	91	542443	24.087	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	179127	24.610	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	97503	23.617	ug/L	98
47) Tetrachloroethene	10.86	164	98024	23.623	ug/L	97
49) 2-Hexanone	10.96	43	187382	46.580	ug/L	97
50) Dibromochloromethane	11.13	129	108921	24.775	ug/L	97
51) 1,2-Dibromoethane	11.23	107	93656	23.493	ug/L	100
52) Chlorobenzene	11.66	112	327220	23.784	ug/L	98
53) Ethylbenzene	11.73	91	610540	23.902	ug/L	98
54) m,p-Xylene	11.83	106	222514	23.993	ug/L	96
55) o-xylene	12.16	106	213361	24.184	ug/L	100
56) Styrene	12.18	104	374477	24.743	ug/L	97
57) Isopropylbenzene	12.46	105	585234	24.301	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	128953	23.478	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	97381	23.088	ug/L	99
62) Bromoform	12.35	173	62111	24.574	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	252562	24.206	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	257609	24.118	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	235759	24.274	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	21450	22.495	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	196475	24.853	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	164811	24.885	ug/L	99
69) Naphthalene	15.37	128	338156	24.380	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	149776	24.717	ug/L	100

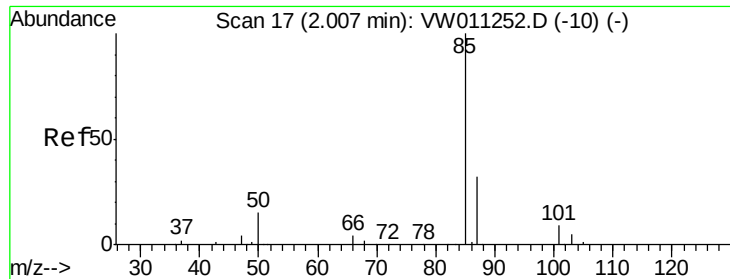
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 24.265 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011275.D

Acq: 16 Jul 2019 09:32

Instrument :

MSVOA_W

ClientSampleId :

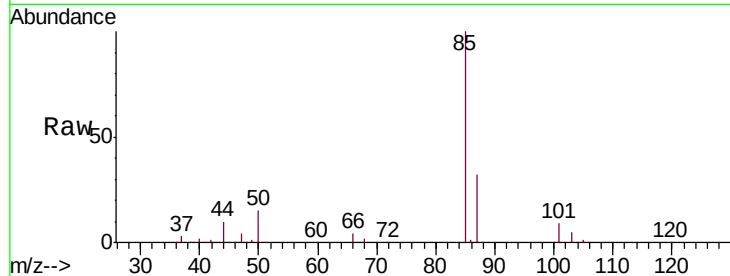
VSTD02508

Tgt Ion: 85 Resp: 115331

Ion Ratio Lower Upper

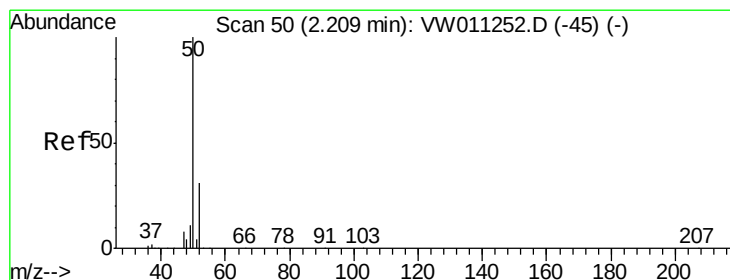
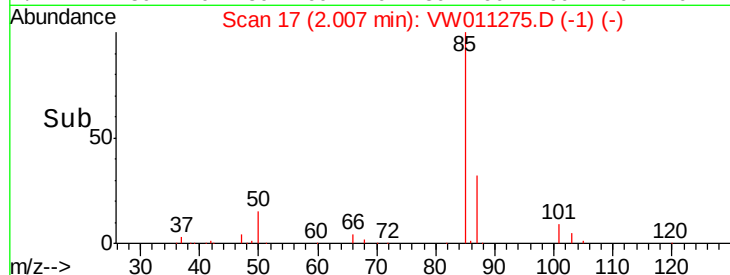
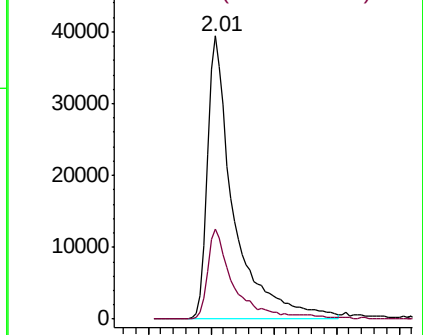
85 100

87 27.6 20.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 21.319 ug/L

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011275.D

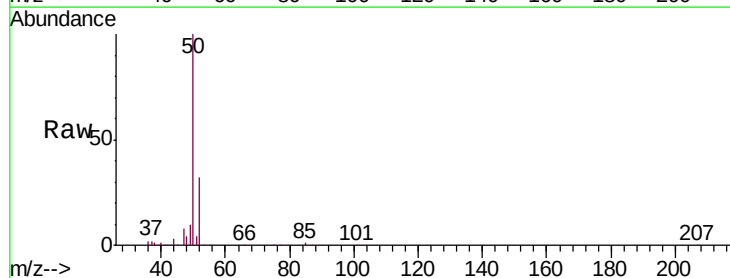
Acq: 16 Jul 2019 09:32

Tgt Ion: 50 Resp: 110011

Ion Ratio Lower Upper

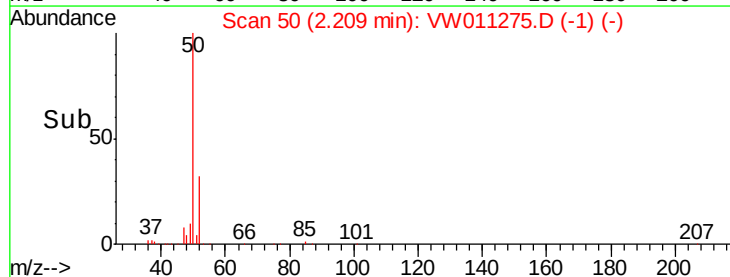
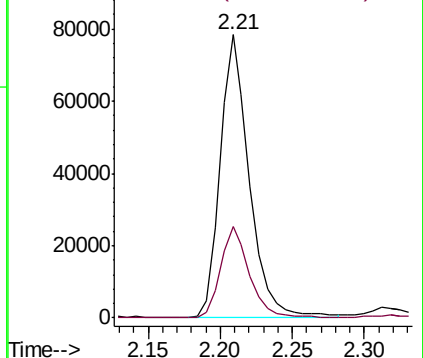
50 100

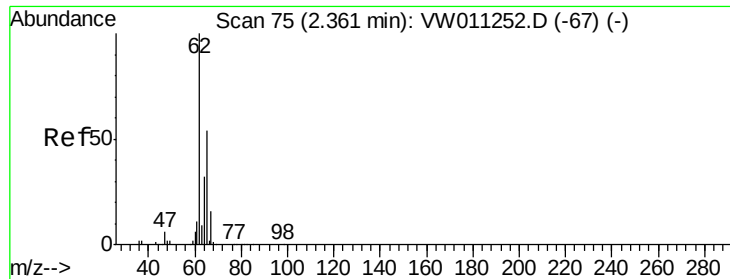
52 32.2 22.3 41.5



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 22.426 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW011275.D

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Instrument :

MSVOA_W

ClientSampleId :

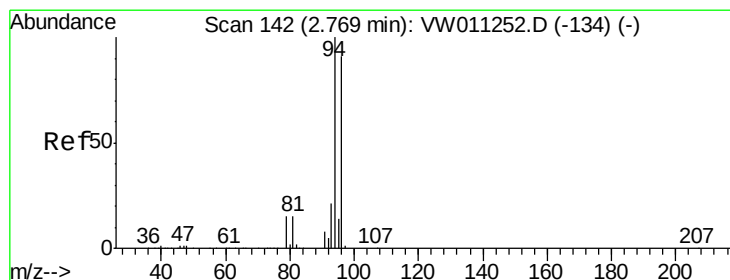
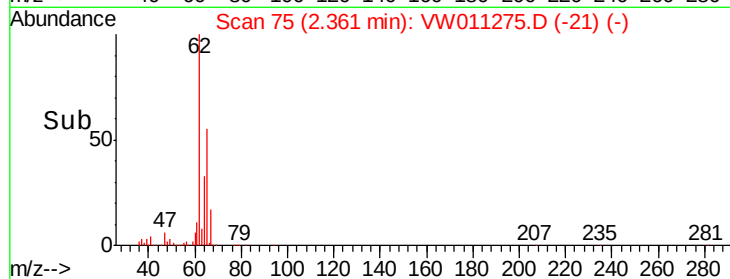
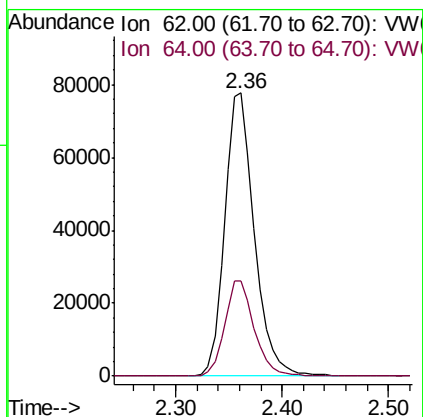
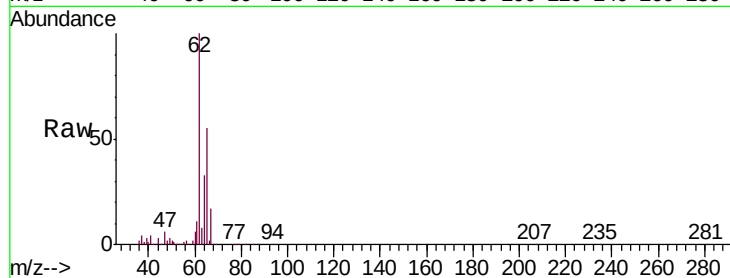
VSTD02508

Tgt Ion: 62 Resp: 151042

Ion Ratio Lower Upper

62 100

64 33.5 23.9 44.3



#6

Bromomethane

Concen: 22.628 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW011275.D

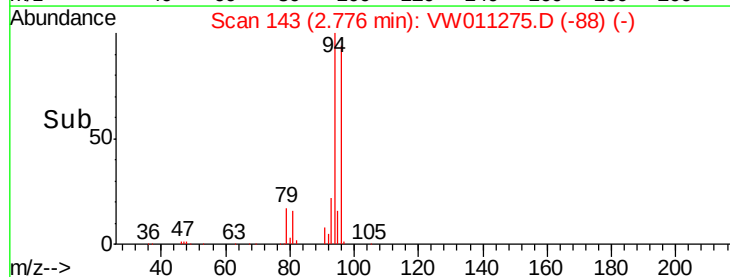
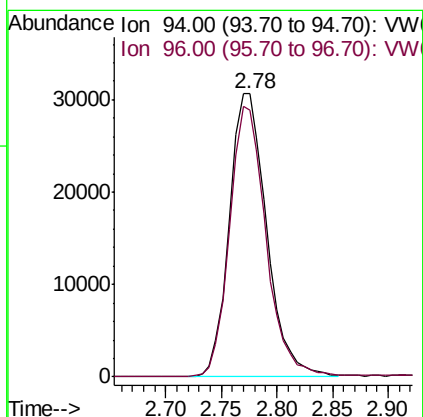
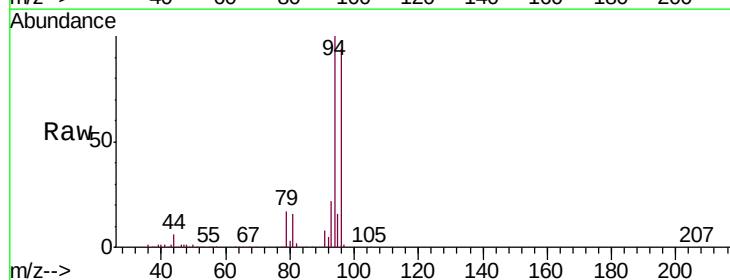
Acq: 16 Jul 2019 09:32

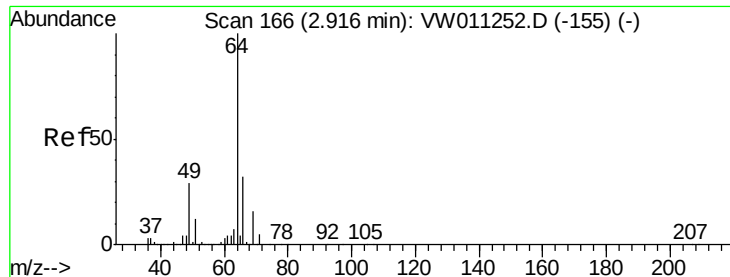
Tgt Ion: 94 Resp: 71300

Ion Ratio Lower Upper

94 100

96 93.5 9.3 177.3





#8

Chloroethane

Concen: 23.679 ug/L

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW011275.D

Acq: 16 Jul 2019 09:32

Instrument :

MSVOA_W

ClientSampleId :

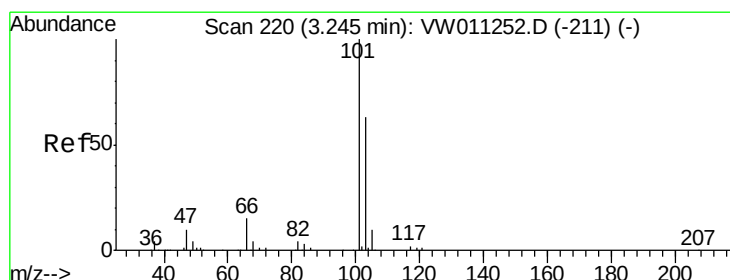
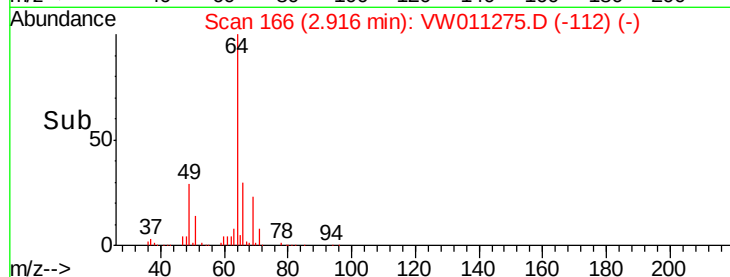
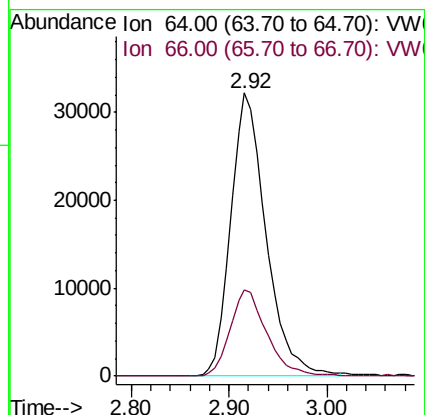
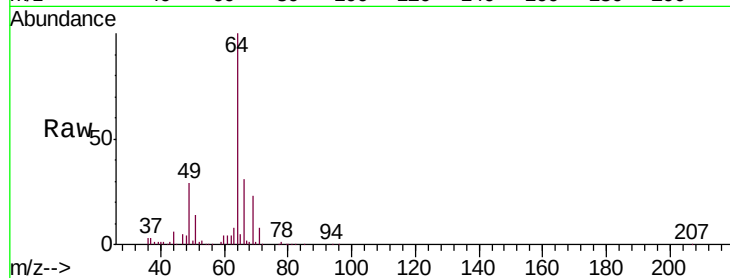
VSTD02508

Tgt Ion: 64 Resp: 80608

Ion Ratio Lower Upper

64 100

66 30.6 21.9 40.7



#9

Trichlorofluoromethane

Concen: 26.983 ug/L

RT: 3.25 min Scan# 220

Delta R.T. 0.00 min

Lab File: VW011275.D

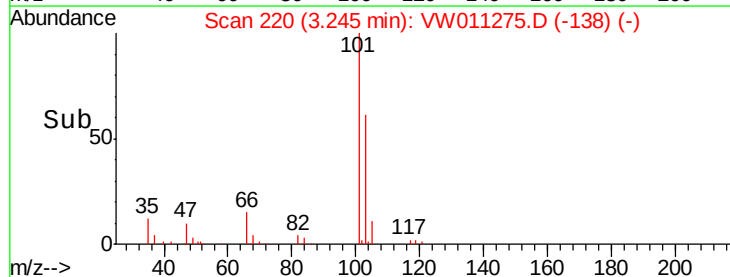
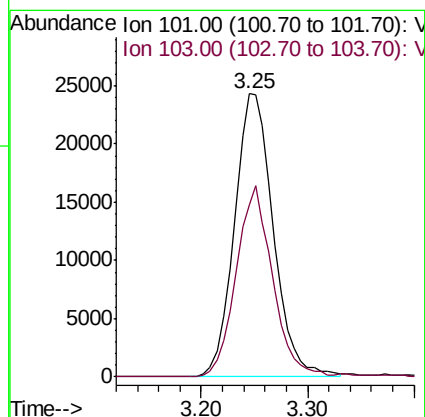
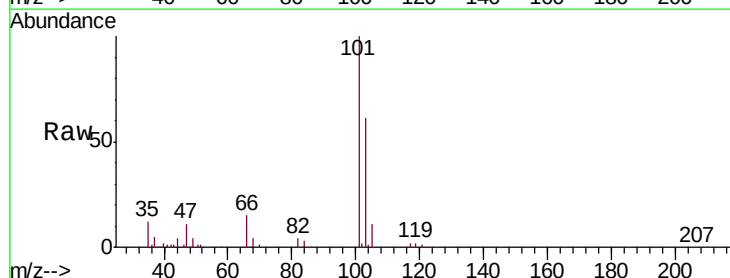
Acq: 16 Jul 2019 09:32

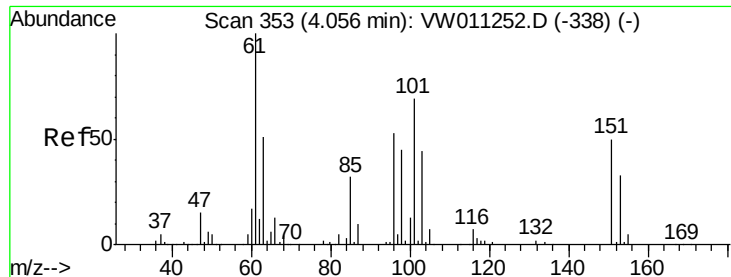
Tgt Ion: 101 Resp: 62222

Ion Ratio Lower Upper

101 100

103 63.3 44.6 82.8





#11

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

Concen: 24.171 ug/L

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW011275.D

Acq: 16 Jul 2019 09:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

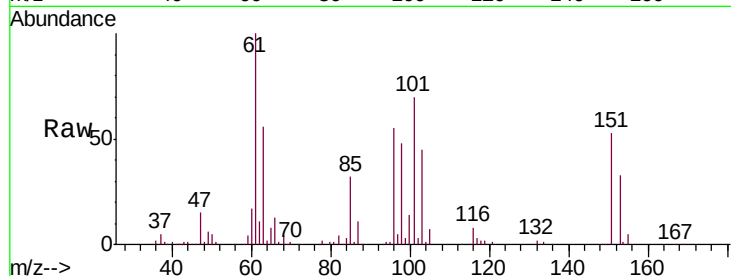
Tgt Ion: 101 Resp: 124196

Ion Ratio Lower Upper

101 100

85 43.2 33.8 50.8

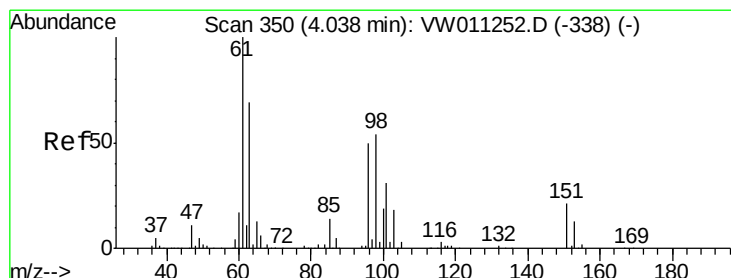
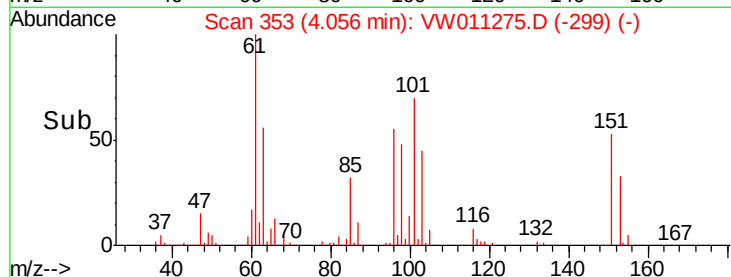
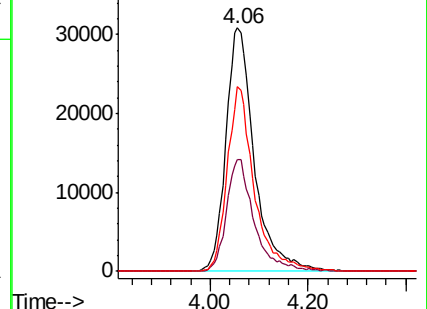
151 72.2 56.9 85.3



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: 23.381 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW011275.D

Acq: 16 Jul 2019 09:32

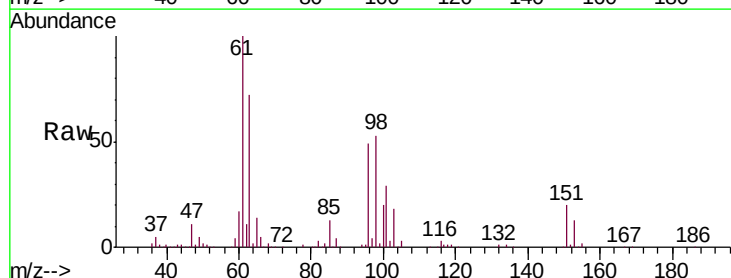
Tgt Ion: 96 Resp: 118739

Ion Ratio Lower Upper

96 100

61 204.0 142.2 264.0

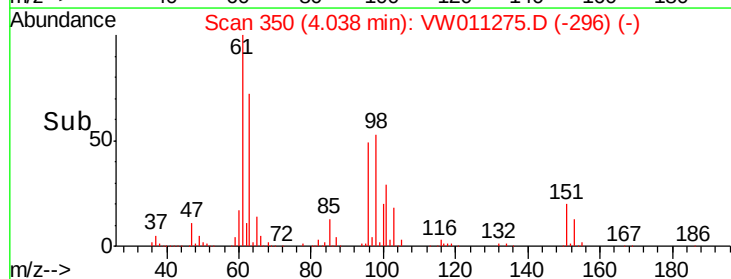
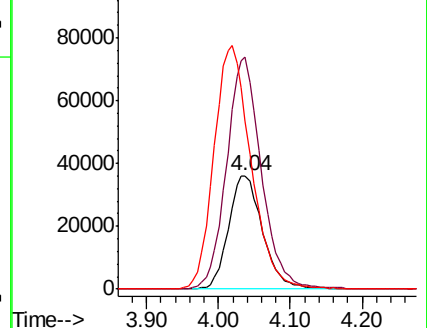
63 147.5 138.9 257.9

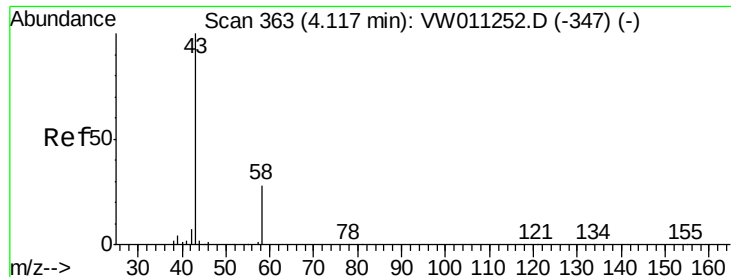


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 44.196 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

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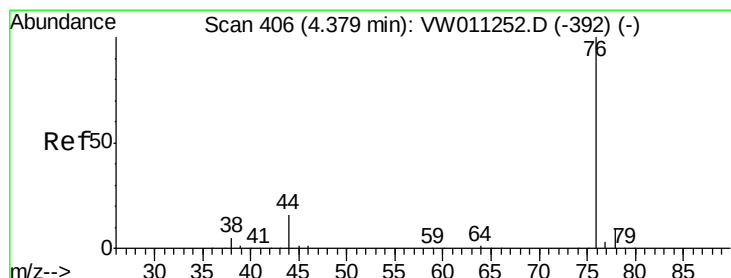
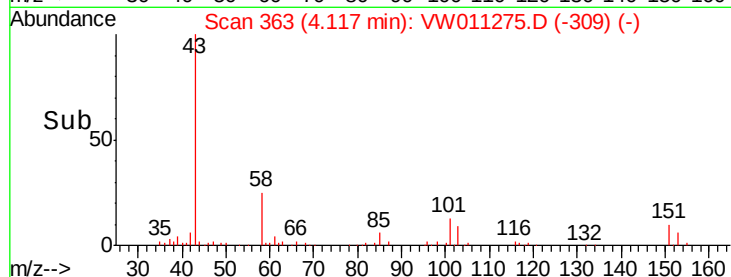
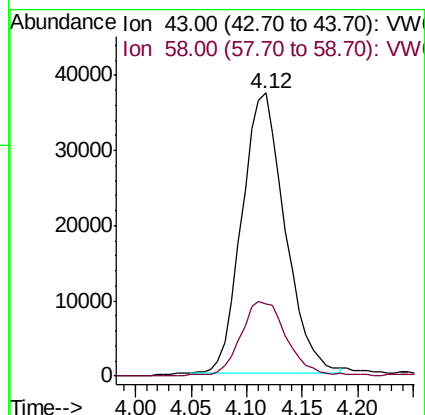
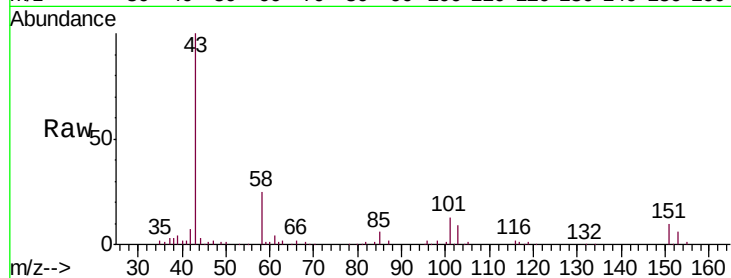
VSTD02508

Tgt Ion: 43 Resp: 100344

Ion Ratio Lower Upper

43 100

58 28.3 0.0 55.0



#14

Carbon disulfide

Concen: 22.439 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW011275.D

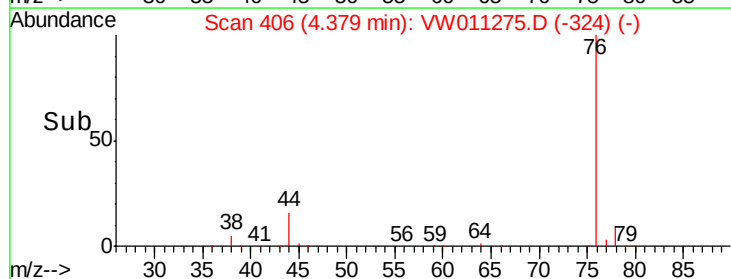
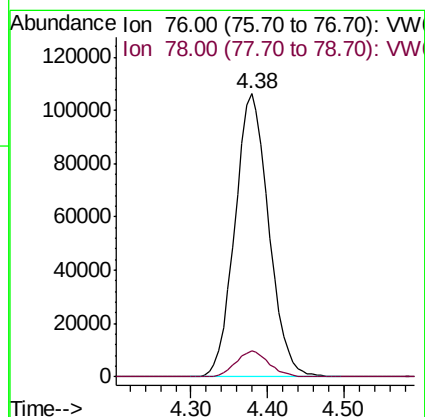
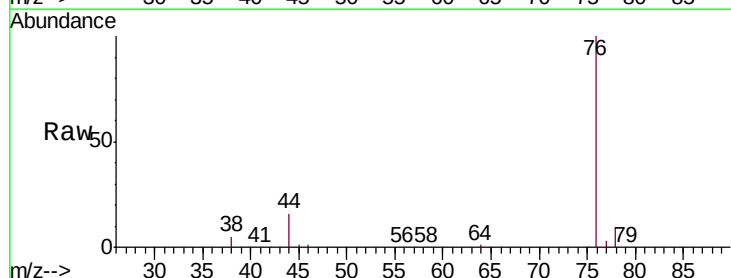
Acq: 16 Jul 2019 09:32

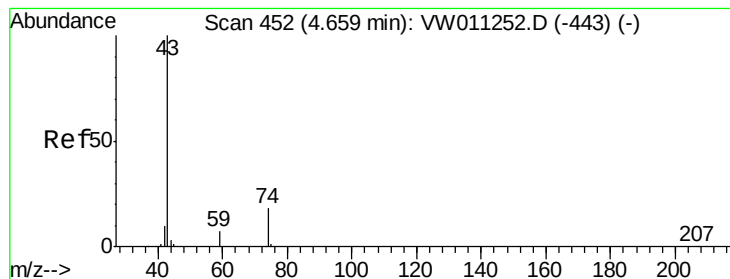
Tgt Ion: 76 Resp: 325987

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9





#15

Methyl Acetate

Concen: 23.166 ug/L

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

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Acq: 16 Jul 2019 09:32

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ClientSampleId :

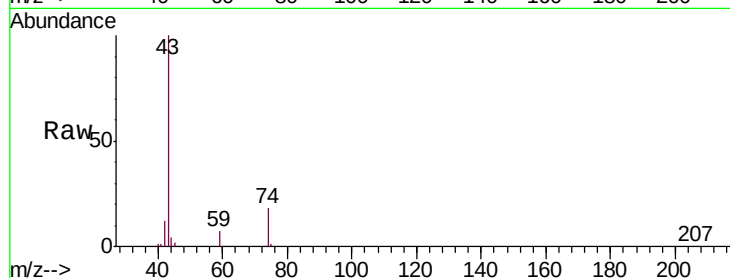
VSTD02508

Tgt Ion: 43 Resp: 85585

Ion Ratio Lower Upper

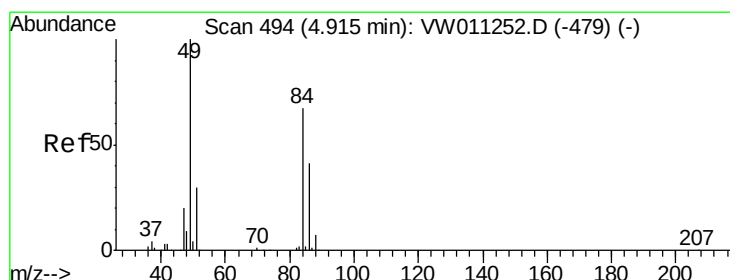
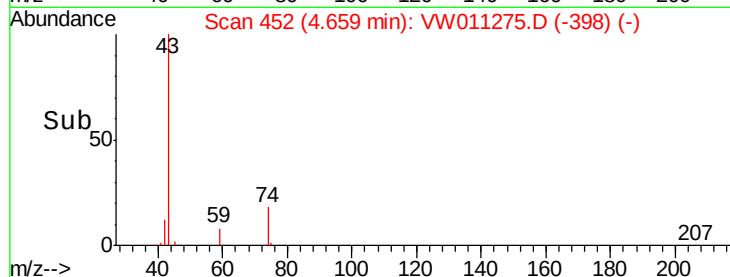
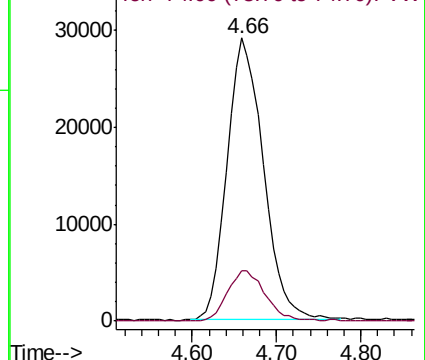
43 100

74 18.4 15.1 22.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 22.591 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW011275.D

Acq: 16 Jul 2019 09:32

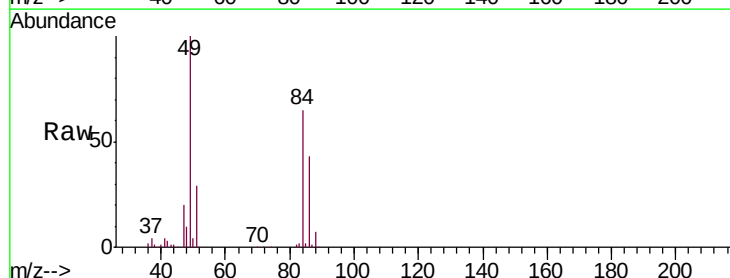
Tgt Ion: 84 Resp: 128294

Ion Ratio Lower Upper

84 100

49 154.3 102.5 190.3

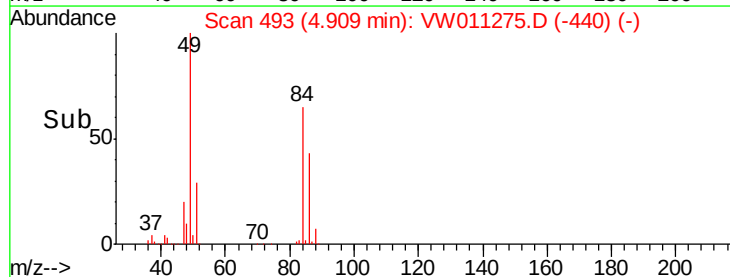
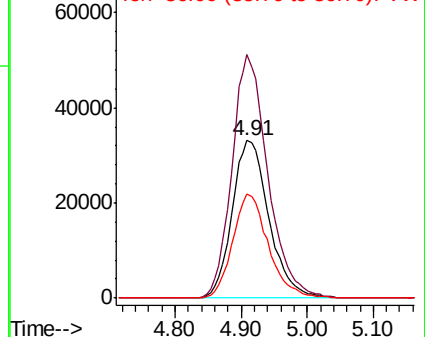
86 65.9 46.4 86.2

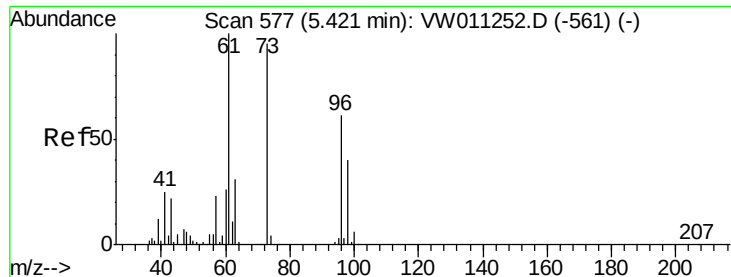


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

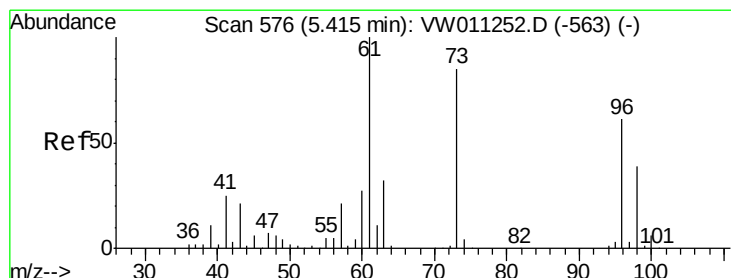
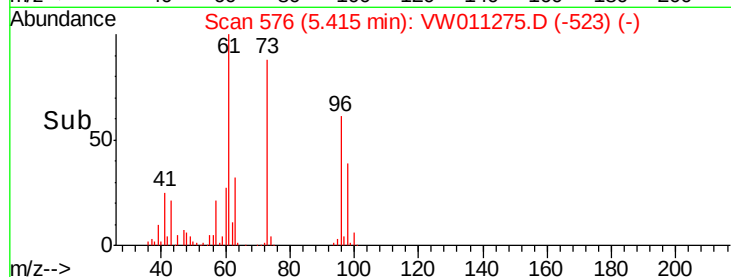
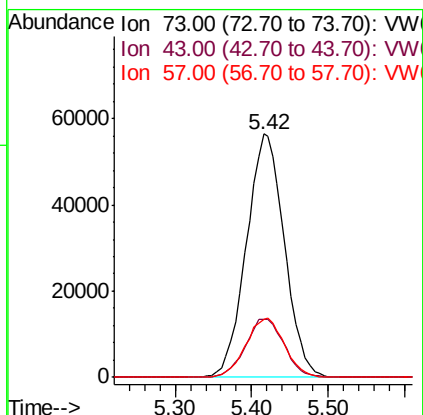
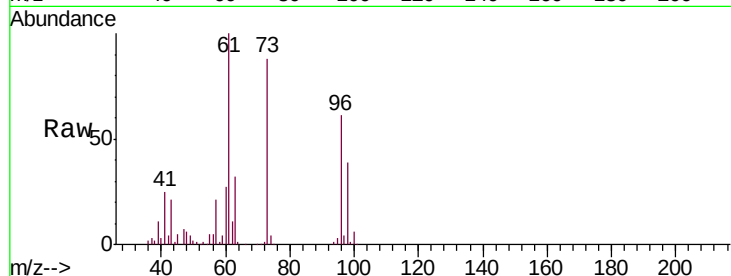




#17
Methyl tert-butyl Ether
Concen: 24.741 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW011275.D
Acq: 16 Jul 2019 09:32

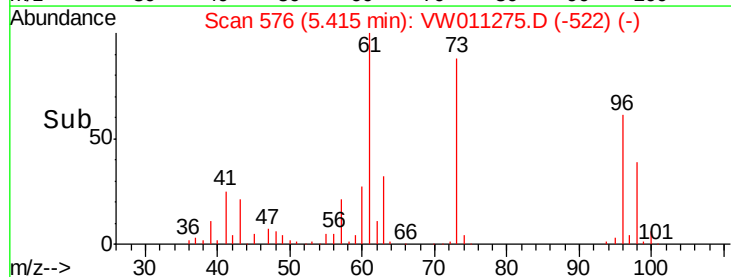
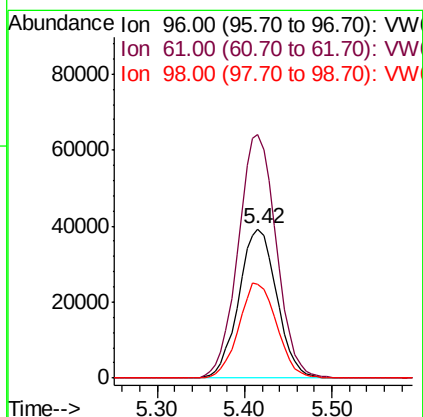
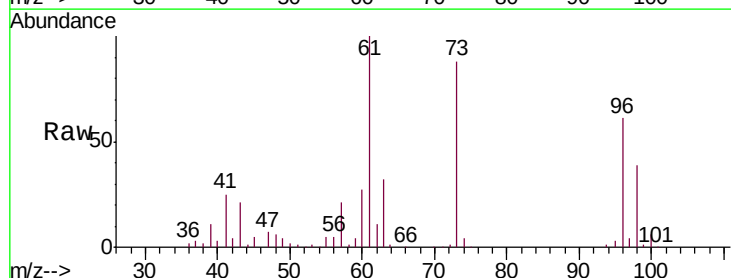
Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

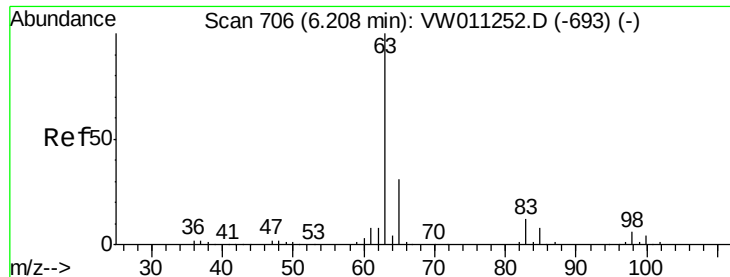
Tgt Ion	Ratio	Lower	Upper
73	100		
43	24.1	20.2	30.2
57	24.9	19.6	29.4



#18
trans-1,2-Dichloroethene
Concen: 23.071 ug/L
RT: 5.42 min Scan# 576
Delta R.T. 0.00 min
Lab File: VW011275.D
Acq: 16 Jul 2019 09:32

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.5	113.7	211.1
98	63.0	43.3	80.3

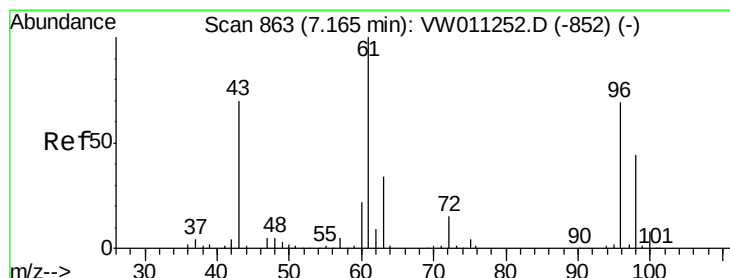
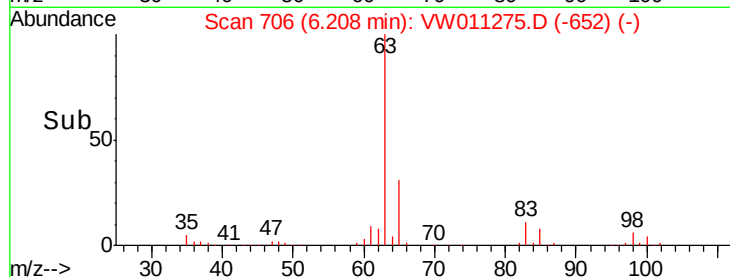
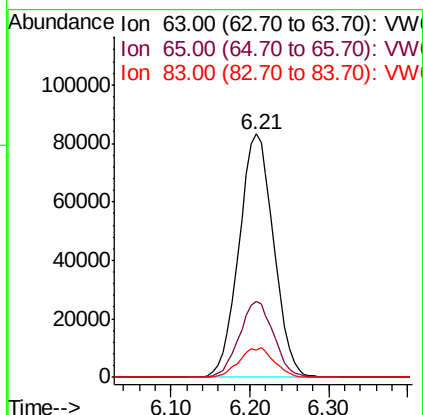
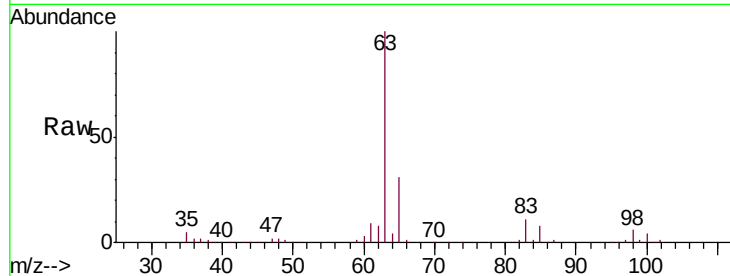




#19
 1,1-Dichloroethane
 Concen: 24.348 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VW011275.D
 Acq: 16 Jul 2019 09:32

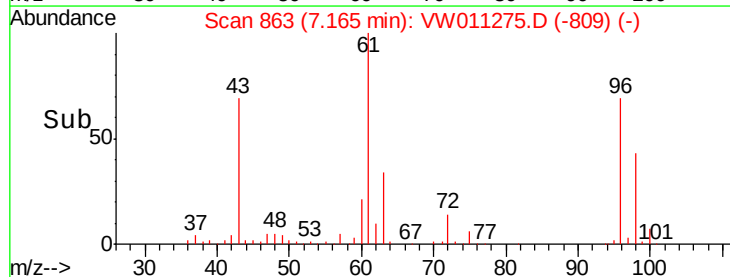
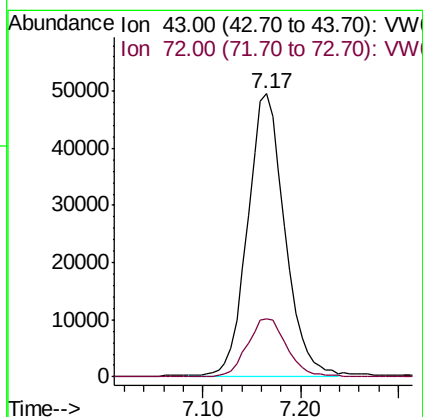
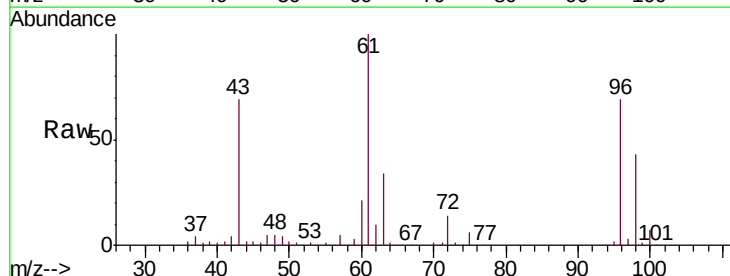
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

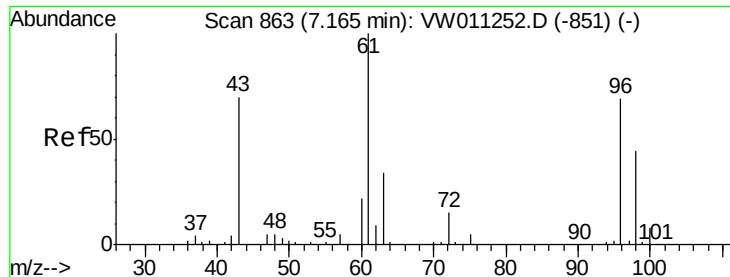
Tgt Ion: 63 Resp: 253660
 Ion Ratio Lower Upper
 63 100
 65 31.3 22.1 41.1
 83 11.5 9.0 16.6



#21
 2-Butanone
 Concen: 44.918 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW011275.D
 Acq: 16 Jul 2019 09:32

Tgt Ion: 43 Resp: 131653
 Ion Ratio Lower Upper
 43 100
 72 21.6 11.2 33.6



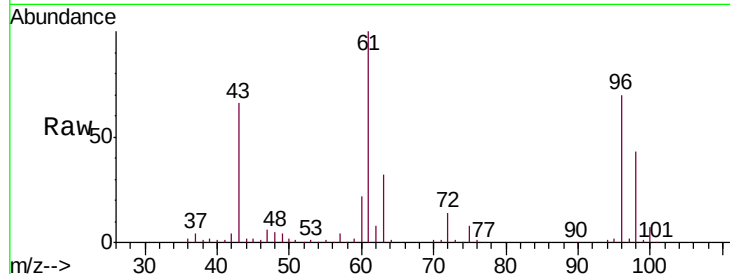


#22

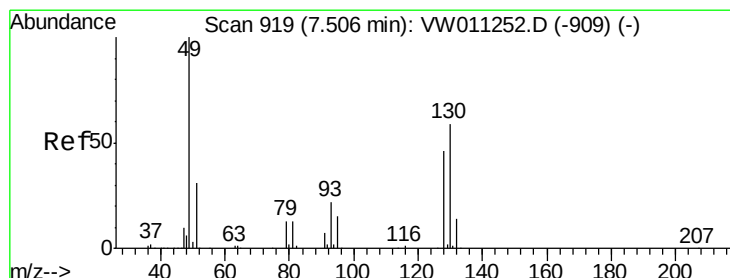
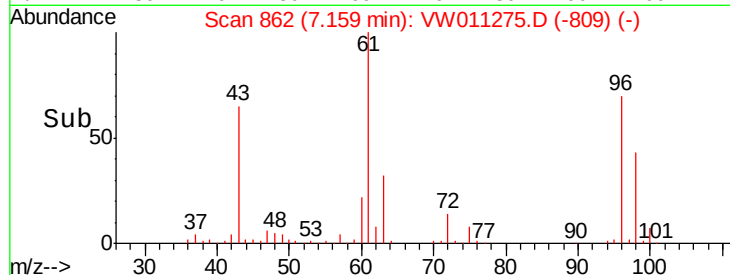
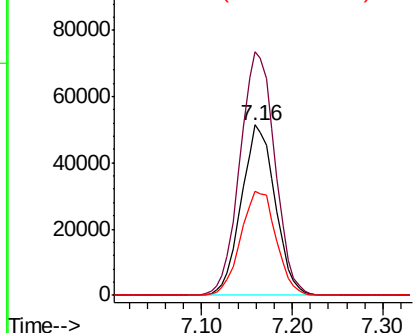
cis-1,2-Dichloroethene
Concen: 24.028 ug/L
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW011275.D
Acq: 16 Jul 2019 09:32

Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

Tgt Ion: 96 Resp: 133477
Ion Ratio Lower Upper
96 100
61 142.8 103.2 191.6
98 61.0 44.8 83.2



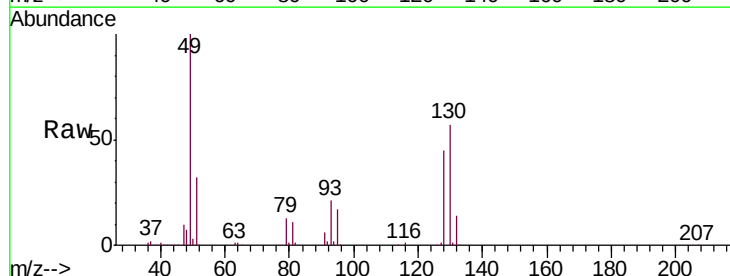
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



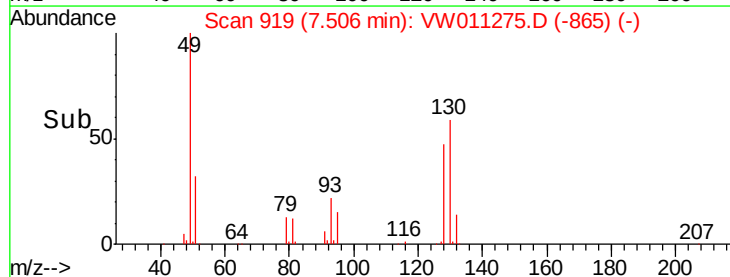
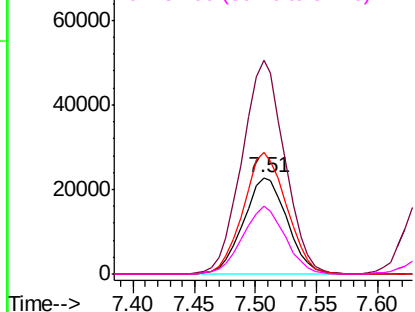
#23

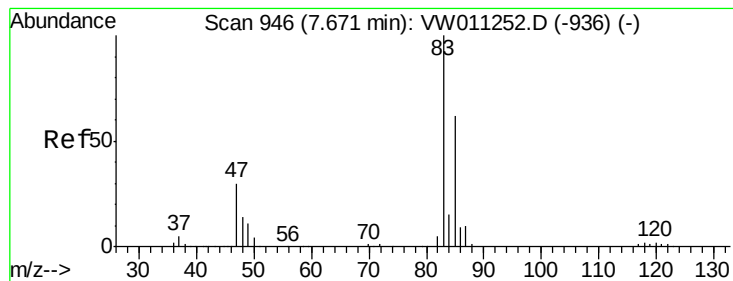
Bromochloromethane
Concen: 24.161 ug/L
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW011275.D
Acq: 16 Jul 2019 09:32

Tgt Ion: 128 Resp: 56316
Ion Ratio Lower Upper
128 100
49 222.2 153.8 285.6
130 125.9 86.4 160.4
51 70.1 56.2 84.4



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: 23.797 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW011275.D

Acq: 16 Jul 2019 09:32

Instrument :

MSVOA_W

ClientSampled :

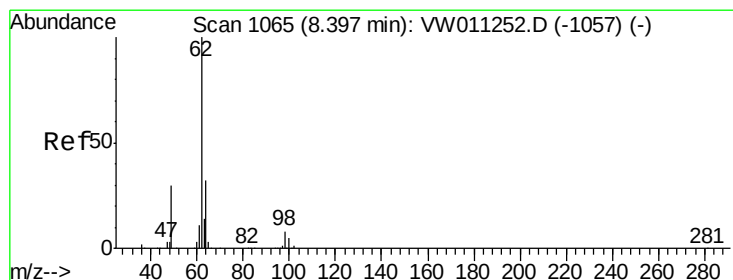
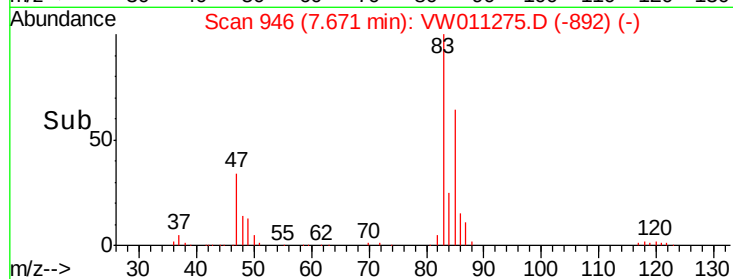
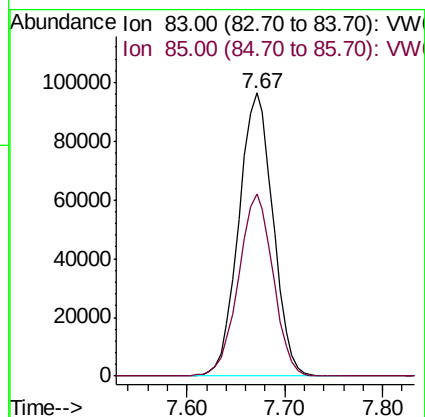
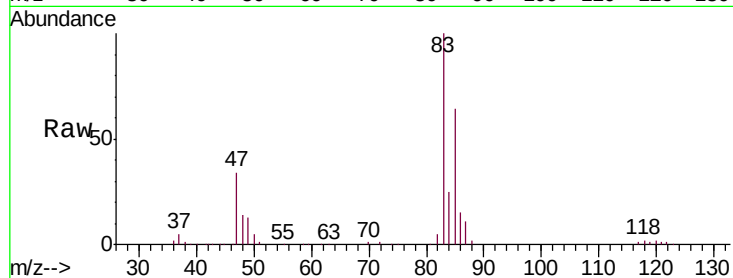
VSTD02508

Tgt Ion: 83 Resp: 234839

Ion Ratio Lower Upper

83 100

85 65.0 45.6 84.6



#27

1,2-Dichloroethane

Concen: 23.370 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW011275.D

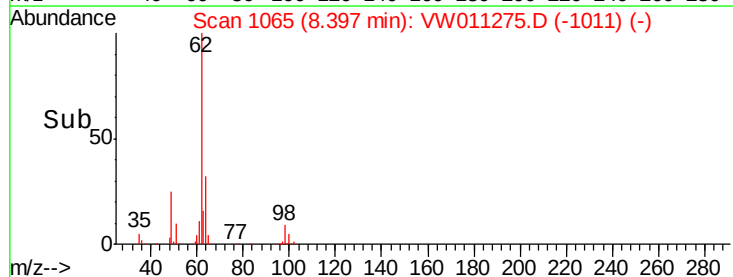
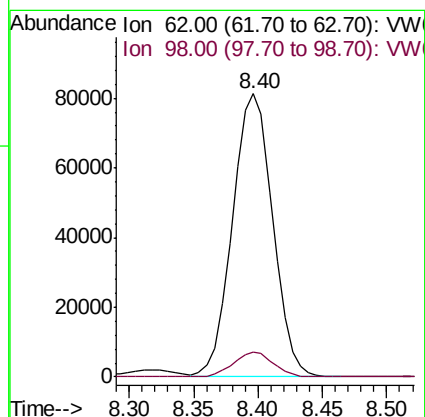
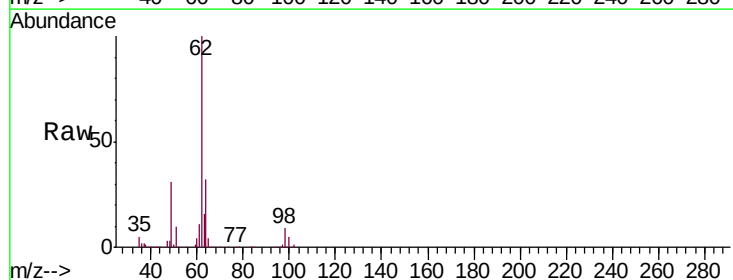
Acq: 16 Jul 2019 09:32

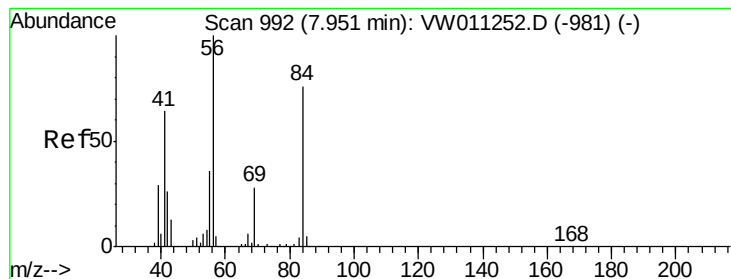
Tgt Ion: 62 Resp: 176291

Ion Ratio Lower Upper

62 100

98 8.7 6.6 10.0





#30

Cyclohexane

Concen: 23.079 ug/L

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW011275.D

Acq: 16 Jul 2019 09:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

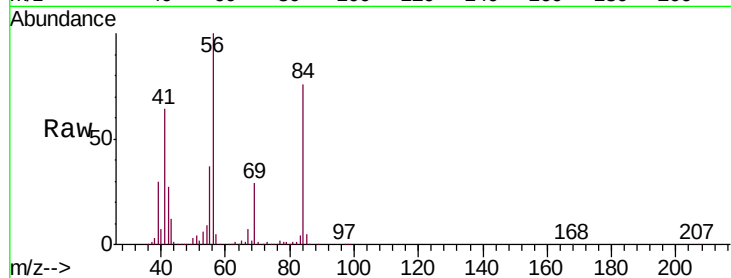
Tgt Ion: 56 Resp: 244274

Ion Ratio Lower Upper

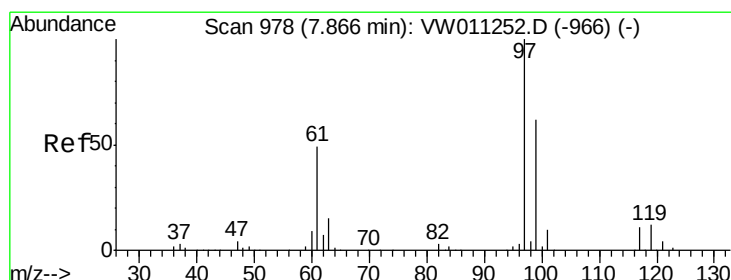
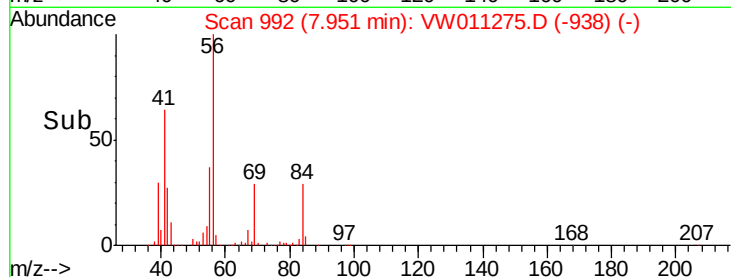
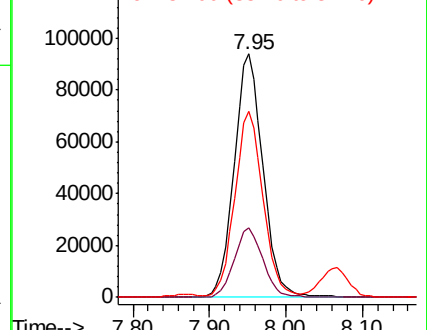
56 100

69 28.3 22.5 33.7

84 74.9 60.9 91.3



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: 24.740 ug/L

RT: 7.87 min Scan# 978

Delta R.T. 0.00 min

Lab File: VW011275.D

Acq: 16 Jul 2019 09:32

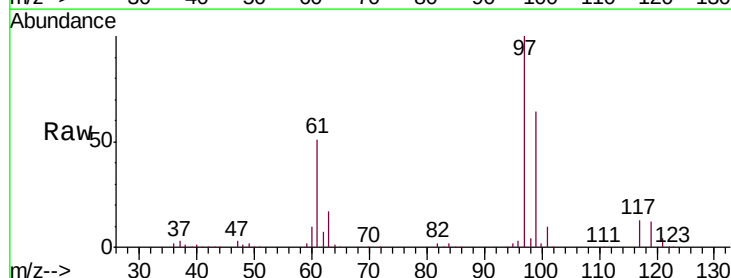
Tgt Ion: 97 Resp: 178754

Ion Ratio Lower Upper

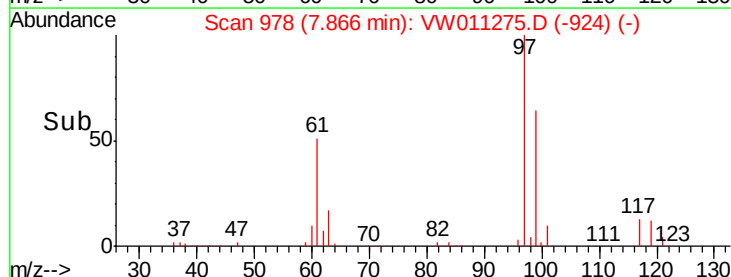
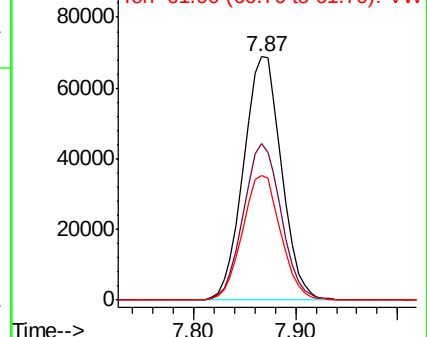
97 100

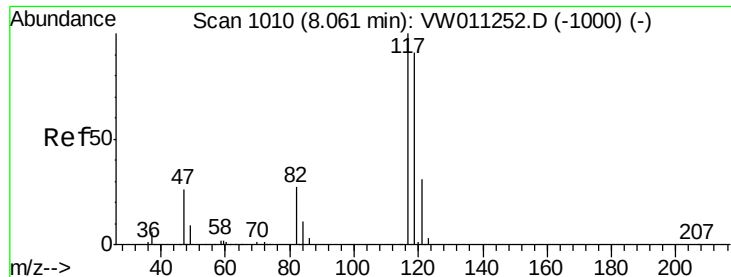
99 63.9 50.6 75.8

61 51.7 40.9 61.3



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: 24.872 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VW011275.D

Acq: 16 Jul 2019 09:32

Instrument :

MSVOA_W

ClientSampleId :

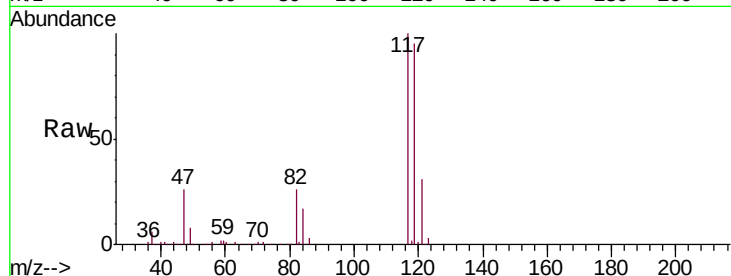
VSTD02508

Tgt Ion:117 Resp: 168531

Ion Ratio Lower Upper

117 100

119 94.7 77.4 116.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.06

60000

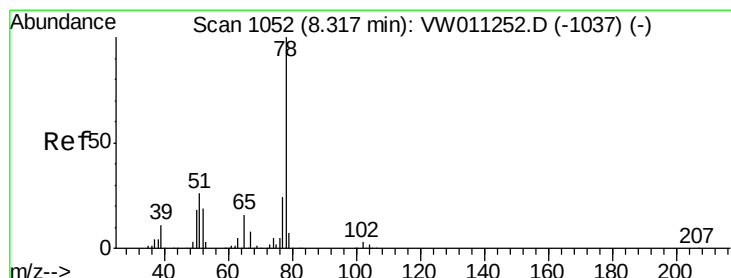
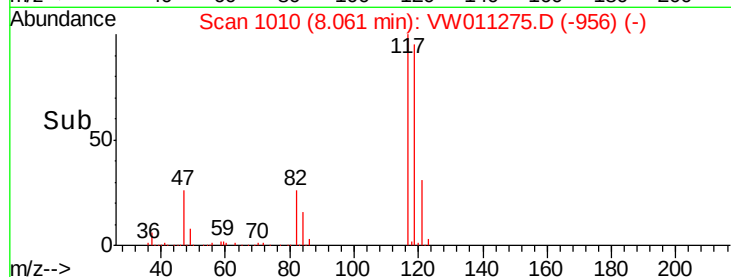
40000

20000

0

8.00 8.10 8.20

Time-->



#34

Benzene

Concen: 24.120 ug/L

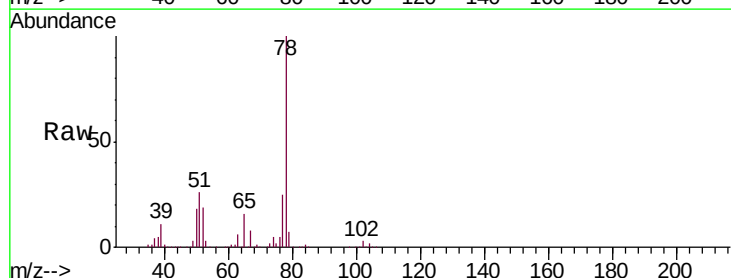
RT: 8.32 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VW011275.D

Acq: 16 Jul 2019 09:32

Tgt Ion: 78 Resp: 524784



Abundance Ion 78.00 (77.70 to 78.70): VW

250000

200000

150000

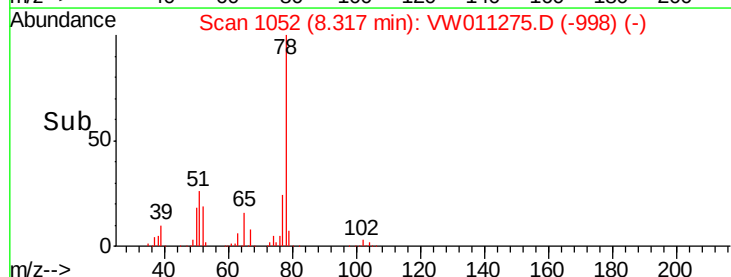
100000

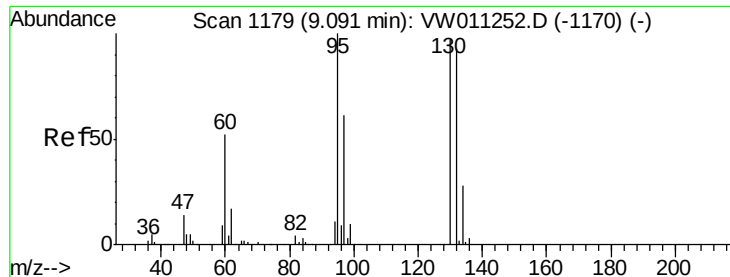
50000

0

8.20 8.30 8.40

Time-->

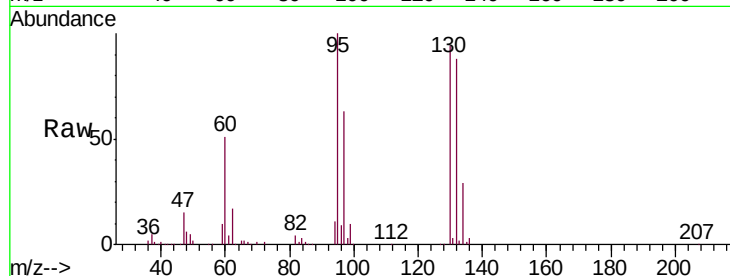




#35
 Trichloroethene
 Concen: 23.864 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: VW011275.D
 Acq: 16 Jul 2019 09:32

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02508

Tgt Ion:	95	Resp:	131023
Ion	Ratio	Lower	Upper
95	100		
97	63.8	45.4	84.2
132	90.7	65.0	120.8
130	96.0	67.8	126.0



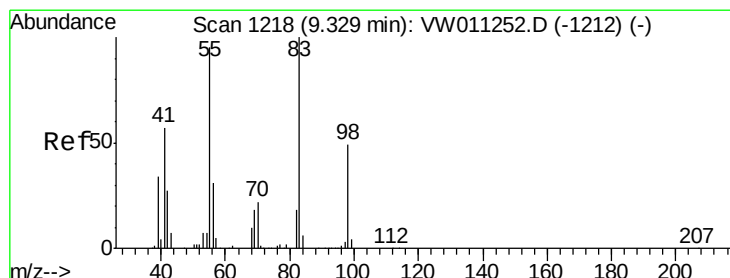
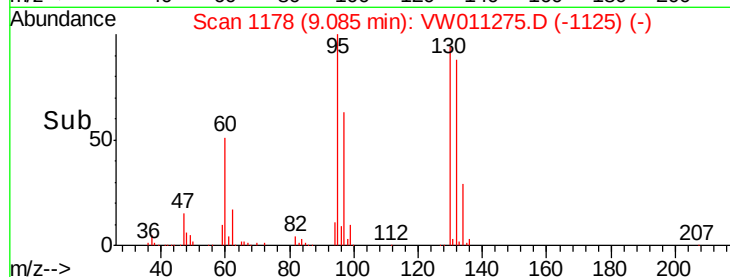
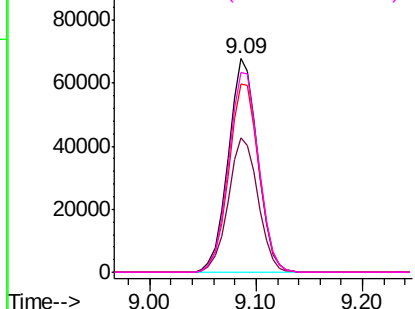
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

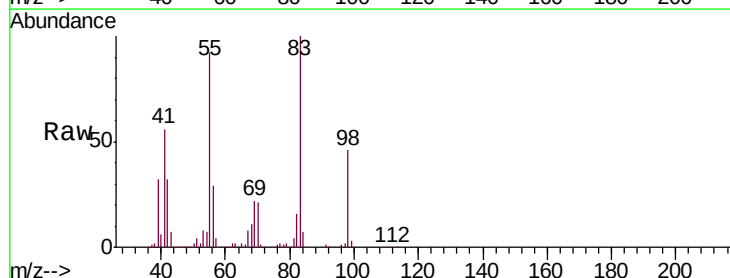
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36
 Methylcyclohexane
 Concen: 23.320 ug/L
 RT: 9.33 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VW011275.D
 Acq: 16 Jul 2019 09:32

Tgt Ion:	83	Resp:	230411
Ion	Ratio	Lower	Upper
83	100		
55	89.2	72.2	108.4
98	46.8	38.2	57.4

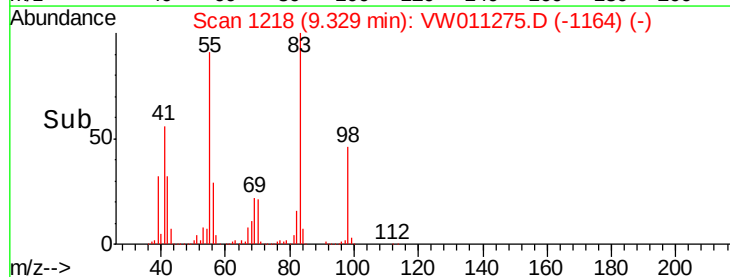
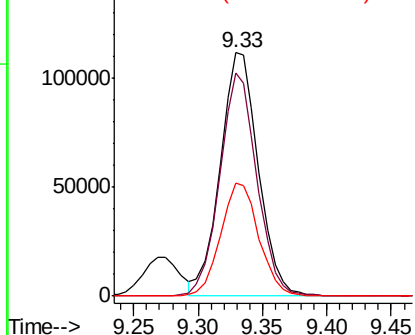


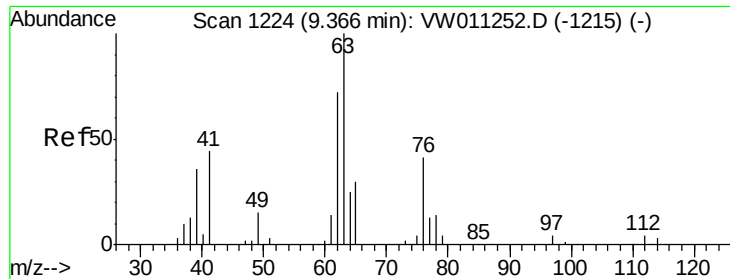
Abundance

Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 24.154 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW011275.D

Acq: 16 Jul 2019 09:32

Instrument :

MSVOA_W

ClientSampleId :

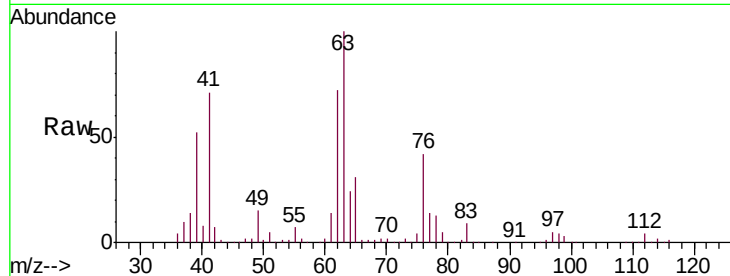
VSTD02508

Tgt Ion: 63 Resp: 144002

Ion Ratio Lower Upper

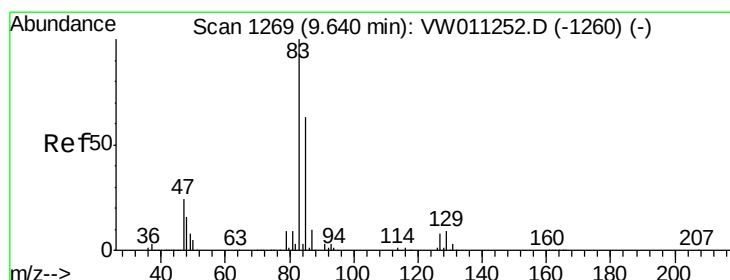
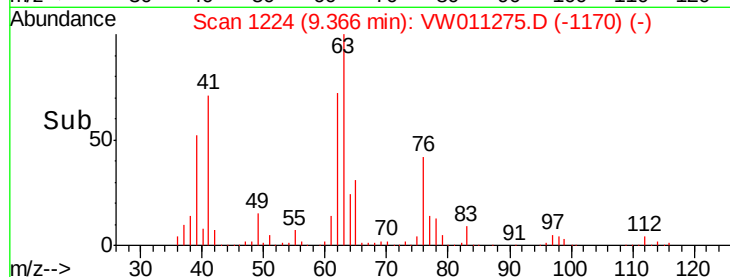
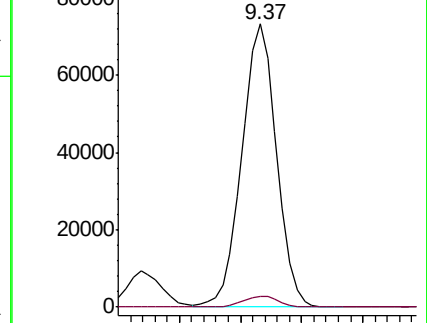
63 100

112 4.0 3.0 4.6



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 24.981 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW011275.D

Acq: 16 Jul 2019 09:32

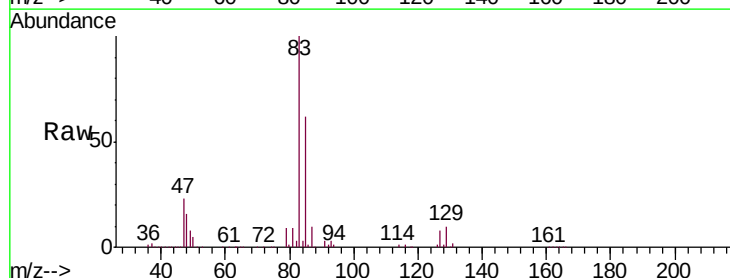
Tgt Ion: 83 Resp: 171708

Ion Ratio Lower Upper

83 100

85 62.5 45.5 84.5

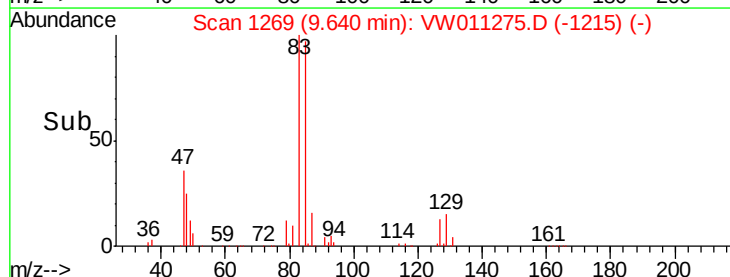
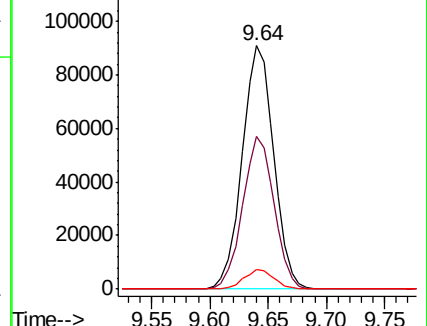
127 8.2 5.8 8.8

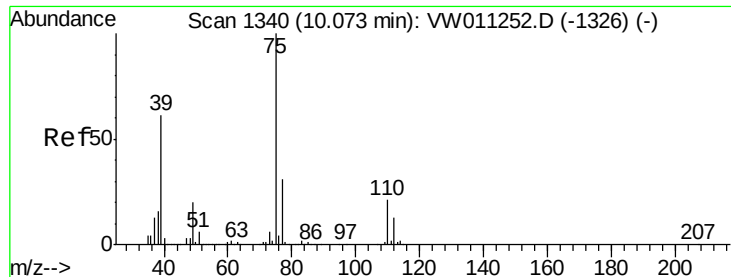


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 24.572 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW011275.D

Acq: 16 Jul 2019 09:32

Instrument :

MSVOA_W

ClientSampleId :

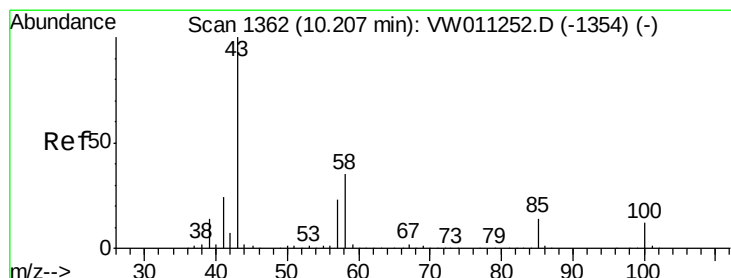
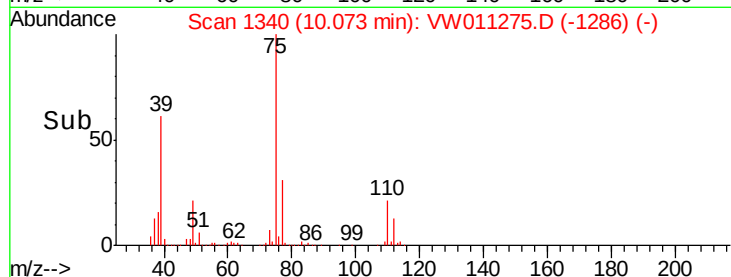
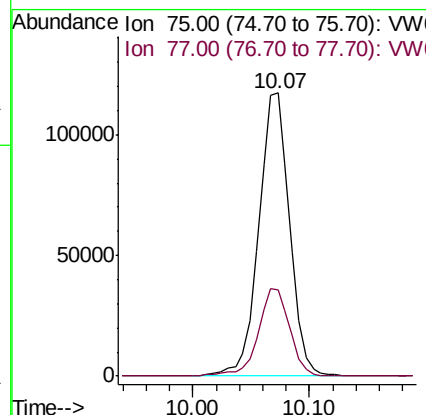
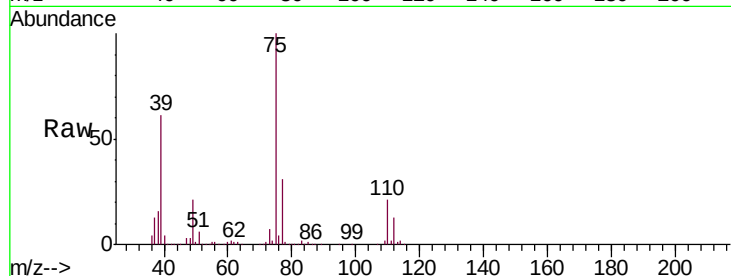
VSTD02508

Tgt Ion: 75 Resp: 216150

Ion Ratio Lower Upper

75 100

77 30.6 21.1 39.1



#43

4-Methyl-2-pentanone

Concen: 44.843 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011275.D

Acq: 16 Jul 2019 09:32

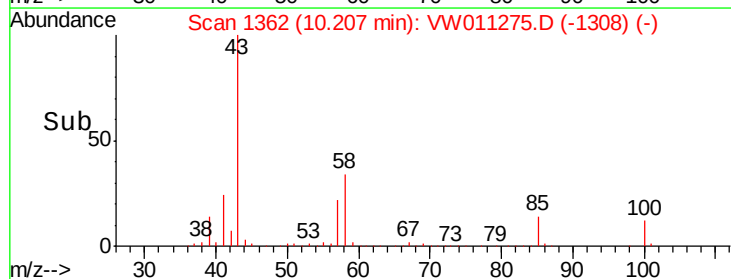
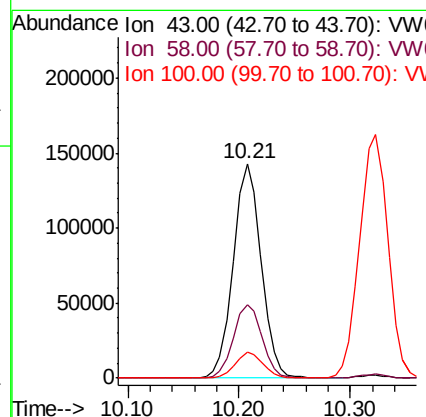
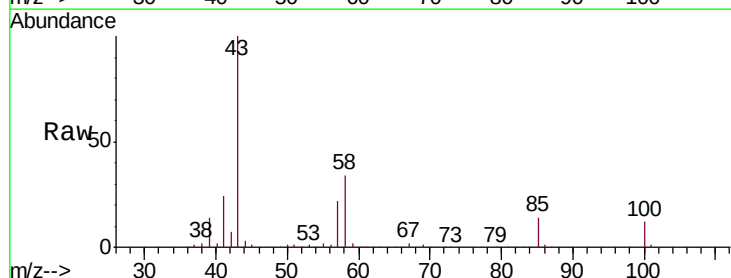
Tgt Ion: 43 Resp: 247833

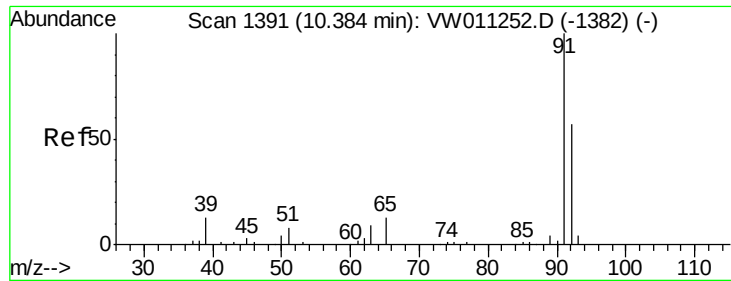
Ion Ratio Lower Upper

43 100

58 35.2 28.1 42.1

100 11.9 9.3 13.9





#44

Toluene

Concen: 24.087 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011275.D

Acq: 16 Jul 2019 09:32

Instrument :

MSVOA_W

ClientSampleId :

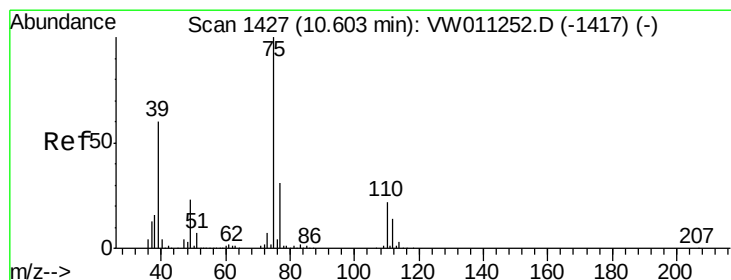
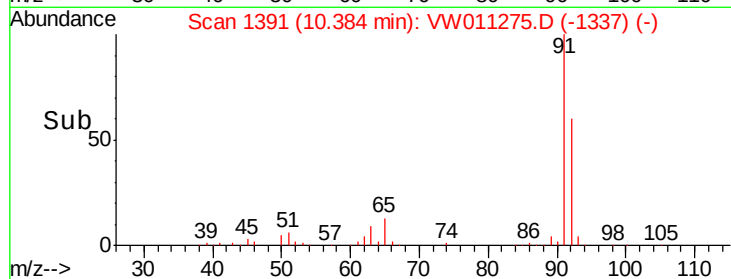
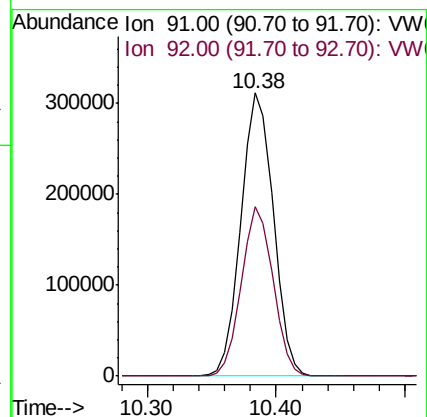
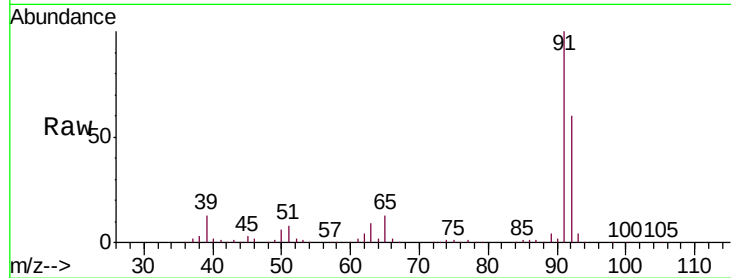
VSTD02508

Tgt Ion: 91 Resp: 542443

Ion Ratio Lower Upper

91 100

92 59.7 40.8 75.8



#45

trans-1,3-Dichloropropene

Concen: 24.610 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011275.D

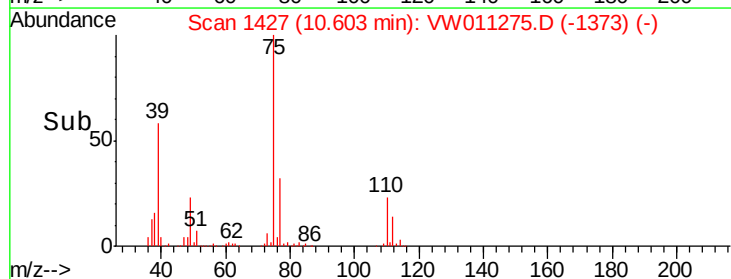
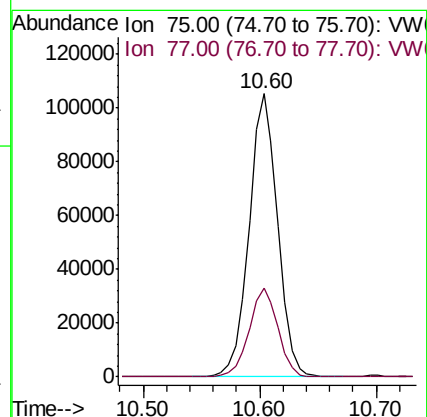
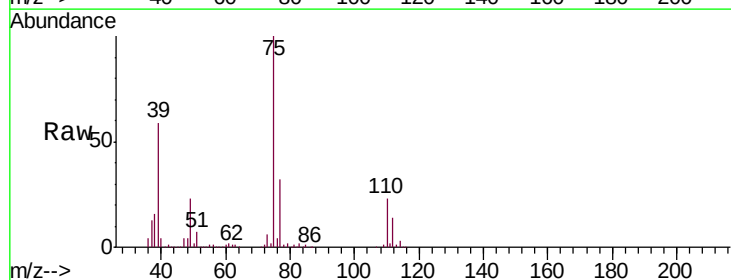
Acq: 16 Jul 2019 09:32

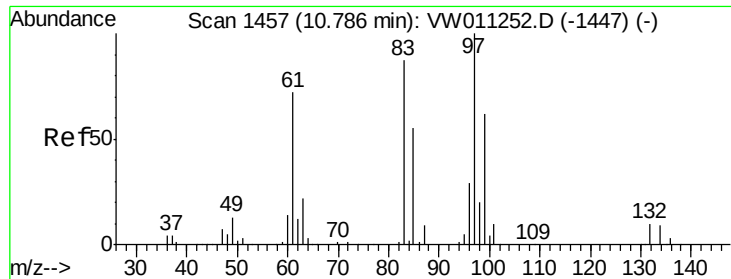
Tgt Ion: 75 Resp: 179127

Ion Ratio Lower Upper

75 100

77 31.5 22.3 41.5





#46

1,1,2-Trichloroethane

Concen: 23.617 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW011275.D

Acq: 16 Jul 2019 09:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

Tgt Ion: 97 Resp: 97503

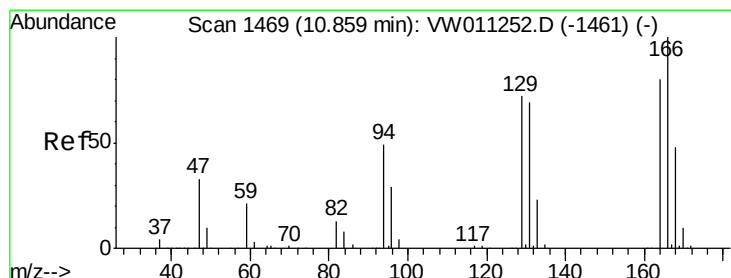
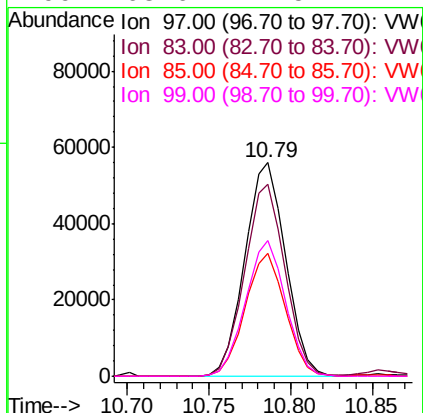
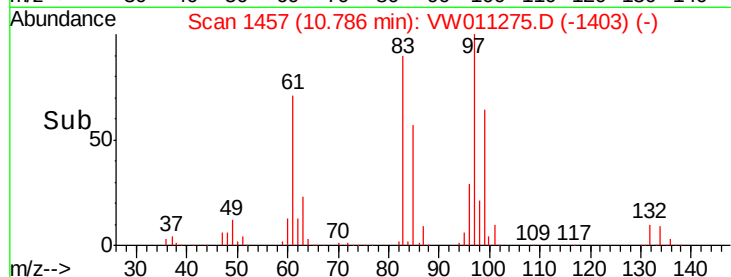
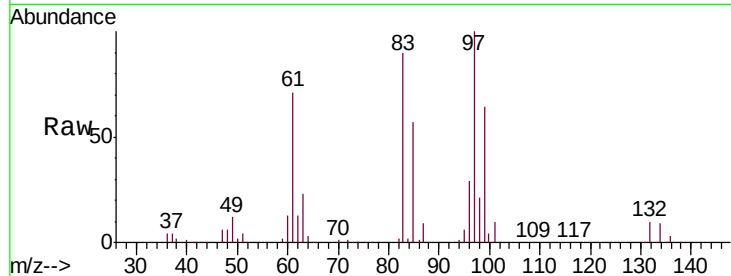
Ion Ratio Lower Upper

97 100

83 89.8 63.1 117.3

85 57.4 39.0 72.4

99 63.6 41.5 77.1



#47

Tetrachloroethene

Concen: 23.623 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW011275.D

Acq: 16 Jul 2019 09:32

Tgt Ion: 164 Resp: 98024

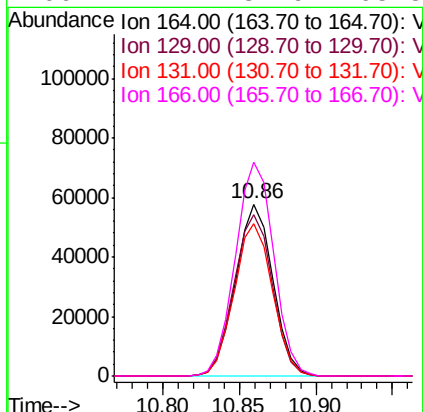
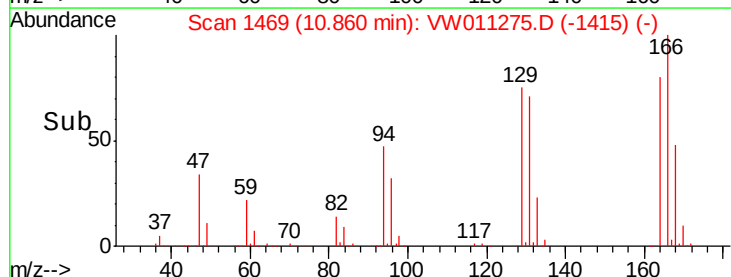
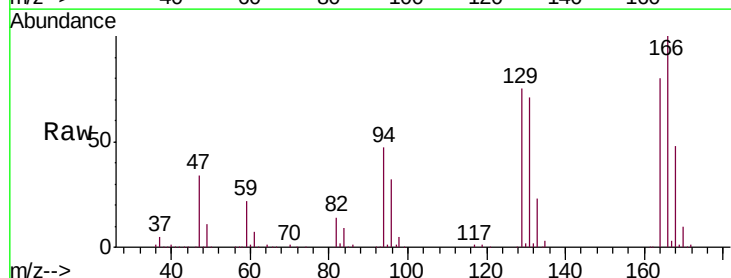
Ion Ratio Lower Upper

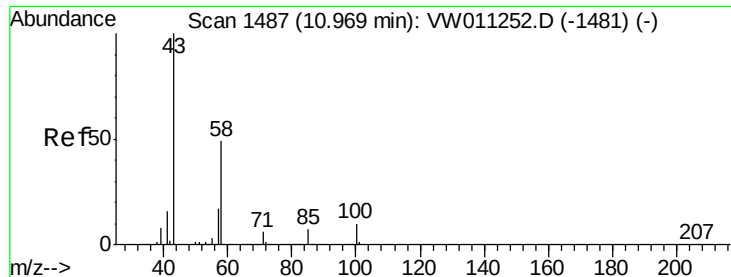
164 100

129 93.7 68.5 127.1

131 88.7 64.8 120.4

166 124.2 87.9 163.3

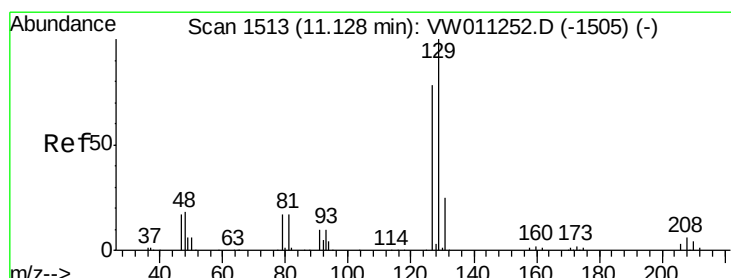
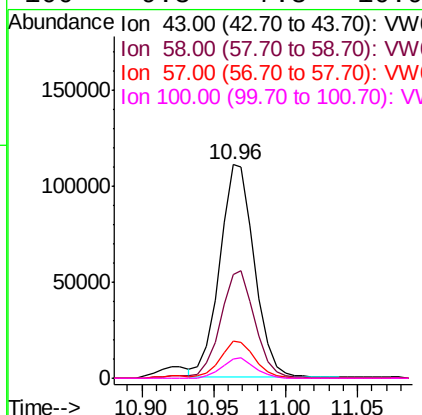
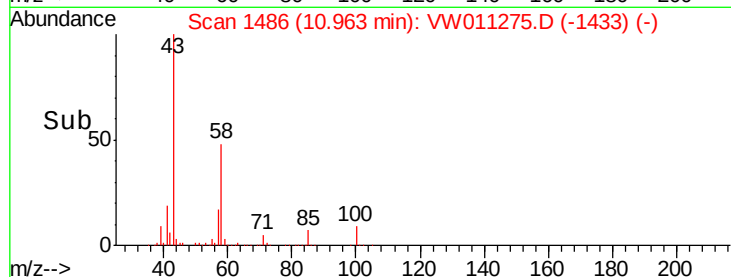
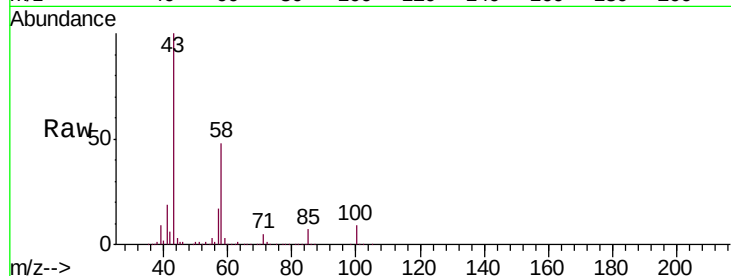




#49
2-Hexanone
Concen: 46.580 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VW011275.D
Acq: 16 Jul 2019 09:32

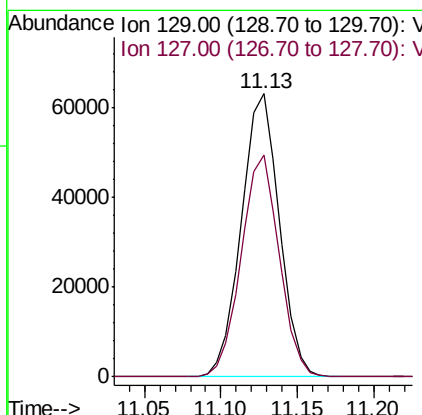
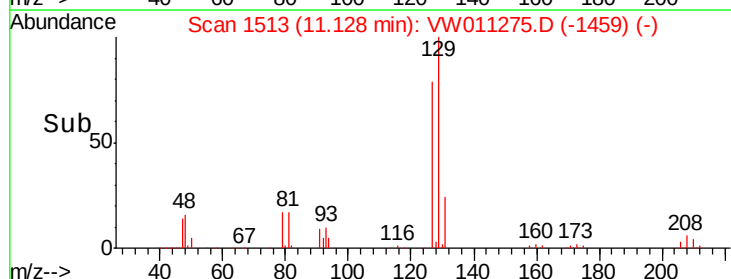
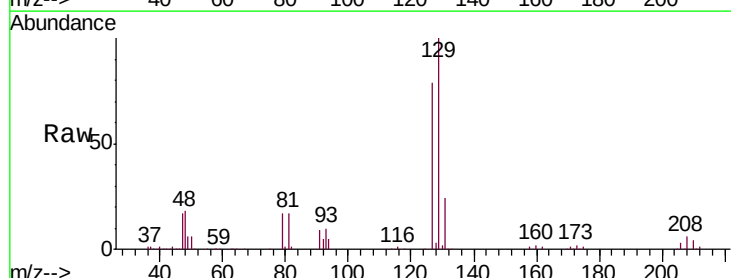
Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

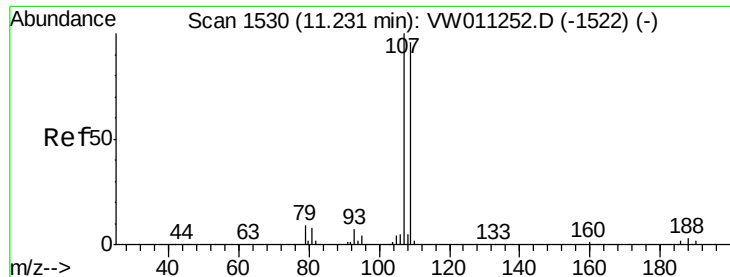
Tgt Ion:	43	Resp:	187382
Ion	Ratio	Lower	Upper
43	100		
58	50.5	38.4	57.6
57	17.2	13.3	19.9
100	9.3	7.3	10.9



#50
Dibromochloromethane
Concen: 24.775 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011275.D
Acq: 16 Jul 2019 09:32

Tgt Ion:	129	Resp:	108921
Ion	Ratio	Lower	Upper
129	100		
127	78.6	53.3	99.1

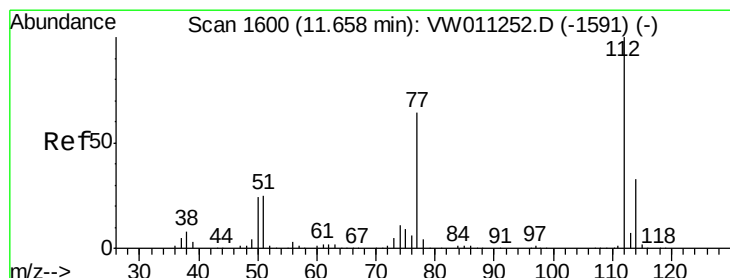
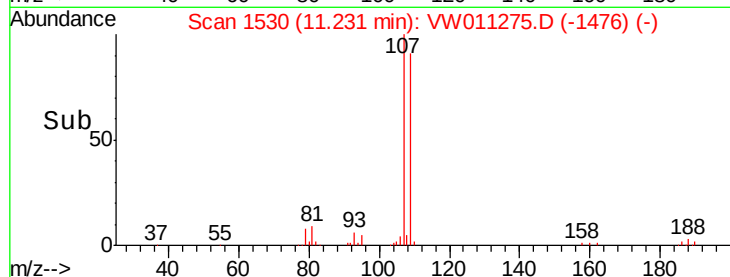
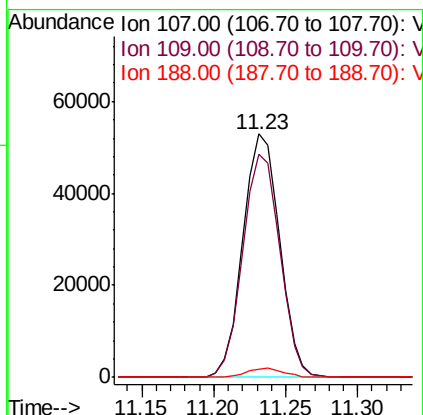
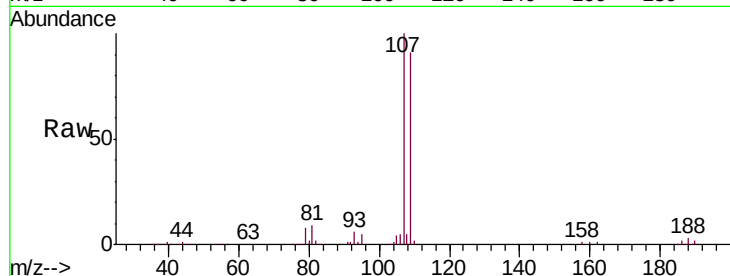




#51
1,2-Dibromoethane
Concen: 23.493 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW011275.D
Acq: 16 Jul 2019 09:32

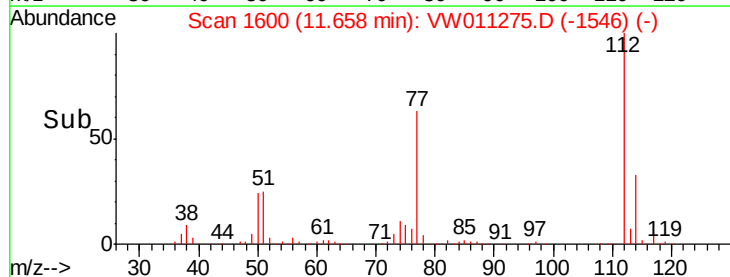
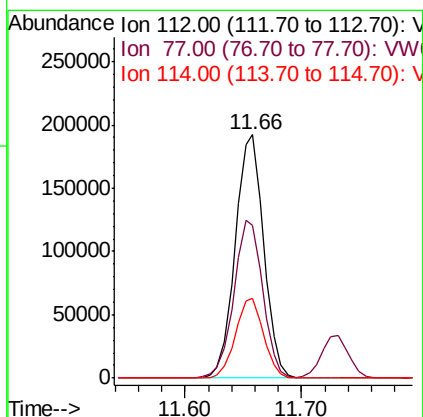
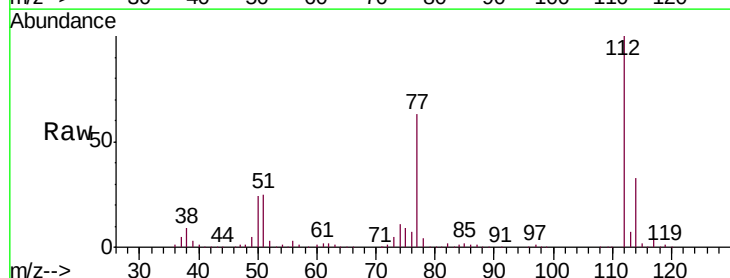
Instrument :
MSVOA_W
ClientSampleId :
VSTD02508

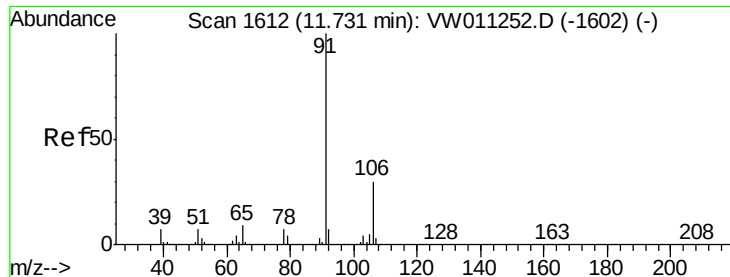
Tgt Ion:107 Resp: 93656
Ion Ratio Lower Upper
107 100
109 91.4 64.3 119.3
188 3.4 3.2 4.8



#52
Chlorobenzene
Concen: 23.784 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011275.D
Acq: 16 Jul 2019 09:32

Tgt Ion:112 Resp: 327220
Ion Ratio Lower Upper
112 100
77 62.6 51.2 76.8
114 32.7 22.0 40.8





#53

Ethylbenzene

Concen: 23.902 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW011275.D

Acq: 16 Jul 2019 09:32

Instrument :

MSVOA_W

ClientSampleId :

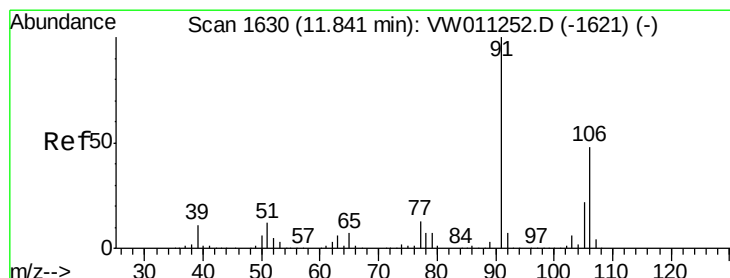
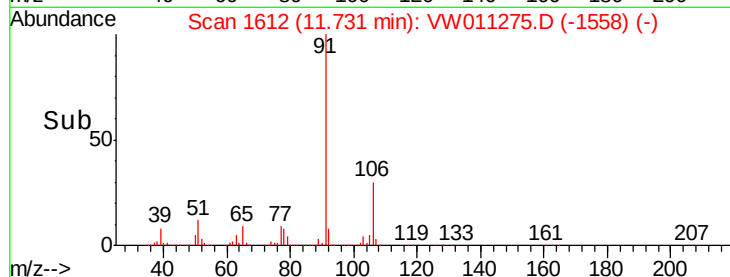
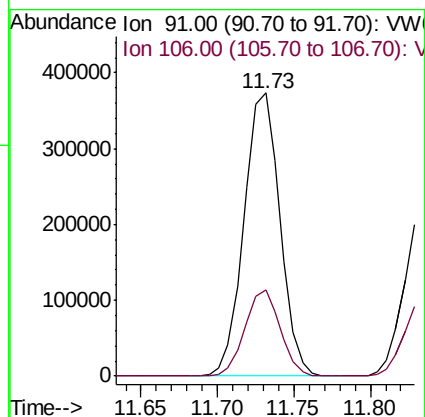
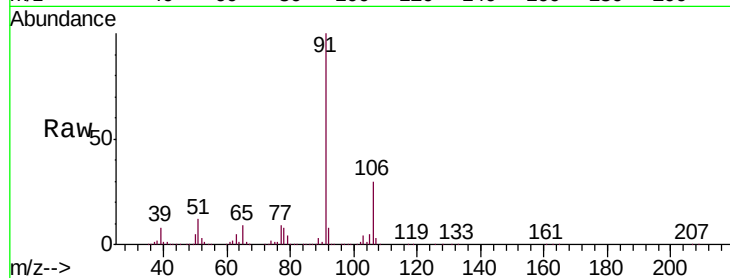
VSTD02508

Tgt Ion: 91 Resp: 610540

Ion Ratio Lower Upper

91 100

106 30.4 20.6 38.4



#54

m,p-Xylene

Concen: 23.993 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW011275.D

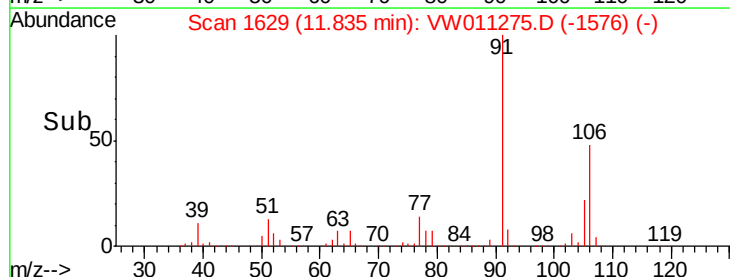
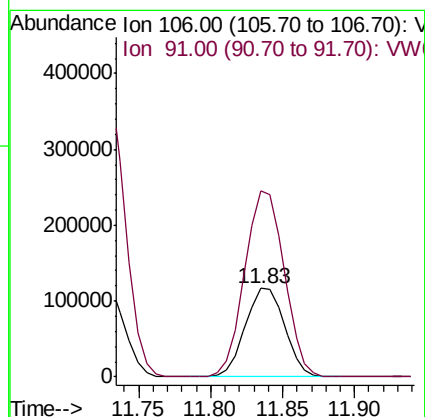
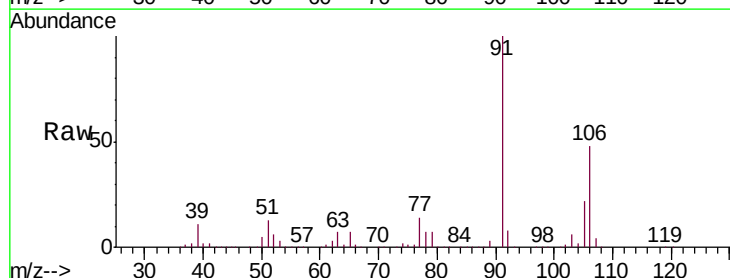
Acq: 16 Jul 2019 09:32

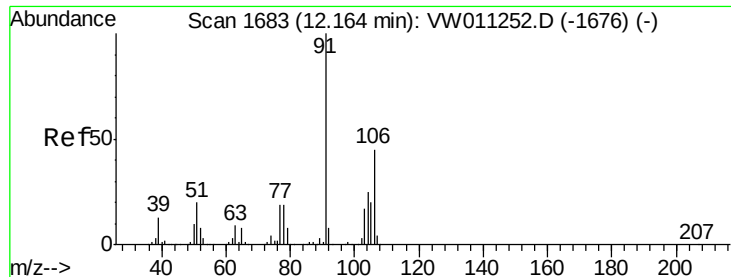
Tgt Ion: 106 Resp: 222514

Ion Ratio Lower Upper

106 100

91 210.4 142.6 264.8





#55

o-xylene

Concen: 24.184 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW011275.D

Acq: 16 Jul 2019 09:32

Instrument :

MSVOA_W

ClientSampleId :

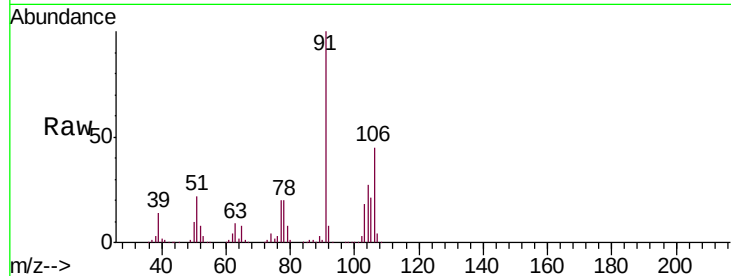
VSTD02508

Tgt Ion:106 Resp: 213361

Ion Ratio Lower Upper

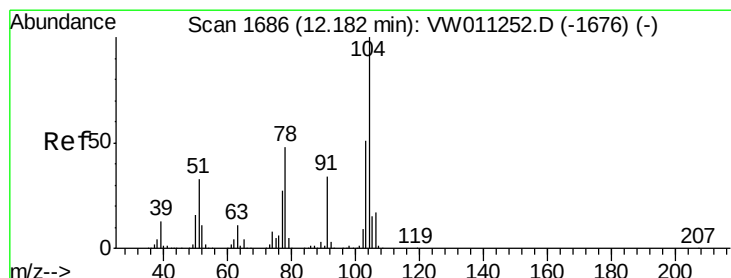
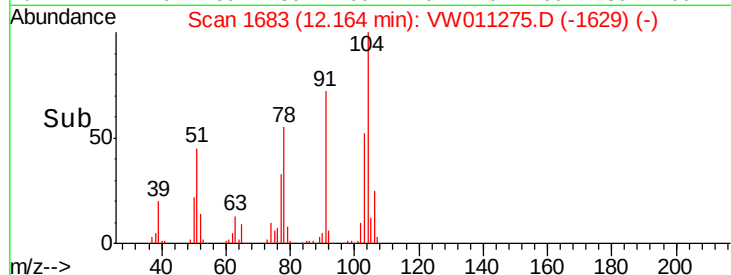
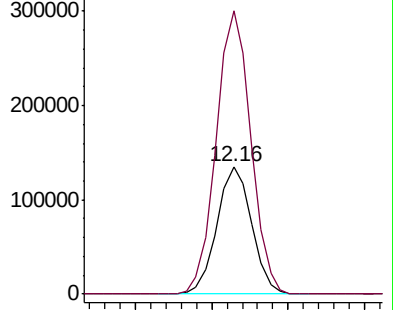
106 100

91 221.6 154.6 287.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 24.743 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW011275.D

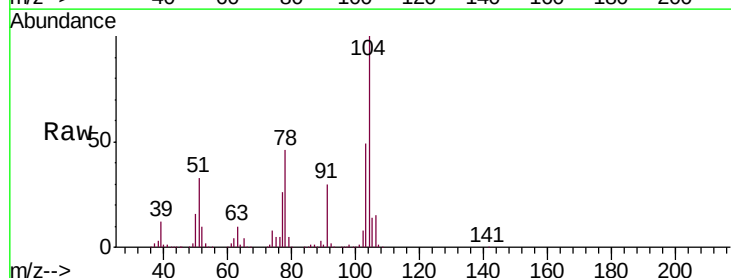
Acq: 16 Jul 2019 09:32

Tgt Ion:104 Resp: 374477

Ion Ratio Lower Upper

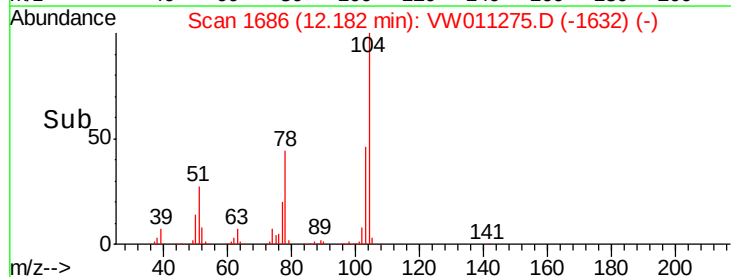
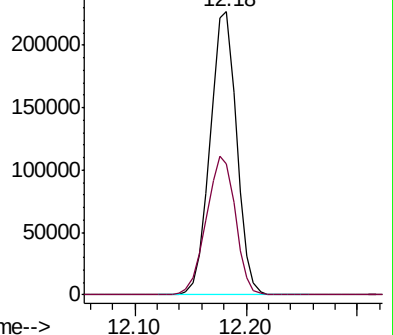
104 100

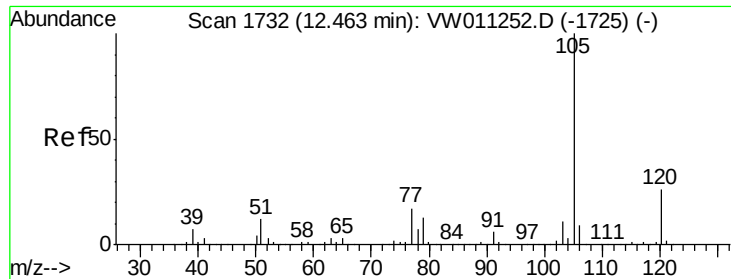
78 46.4 33.7 62.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 24.301 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011275.D

Acq: 16 Jul 2019 09:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

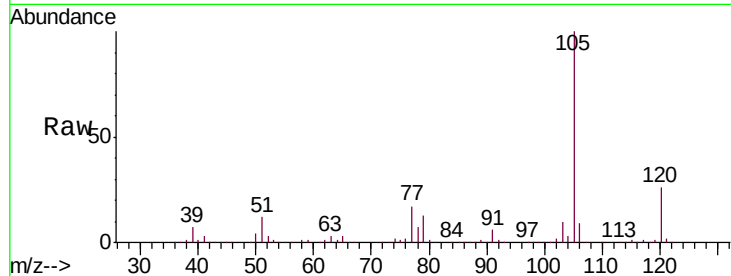
Tgt Ion: 105 Resp: 585234

Ion Ratio Lower Upper

105 100

120 25.9 20.7 31.1

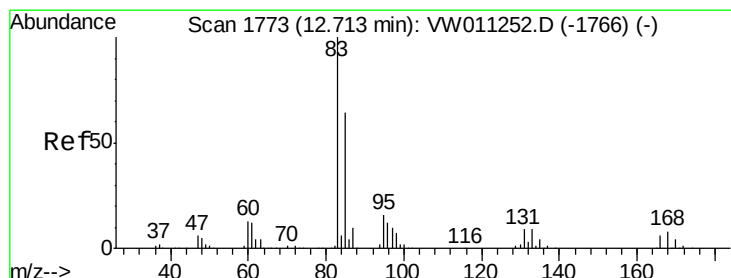
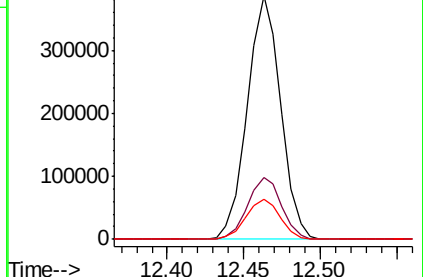
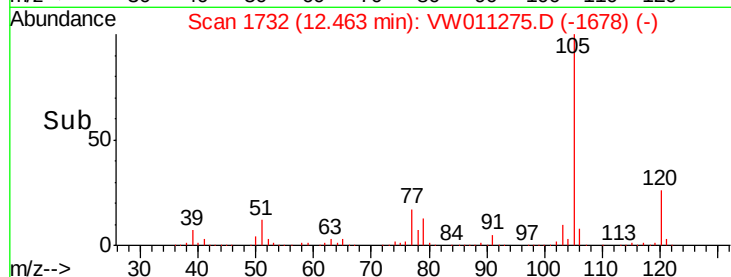
77 17.0 13.5 20.3



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: 23.478 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011275.D

Acq: 16 Jul 2019 09:32

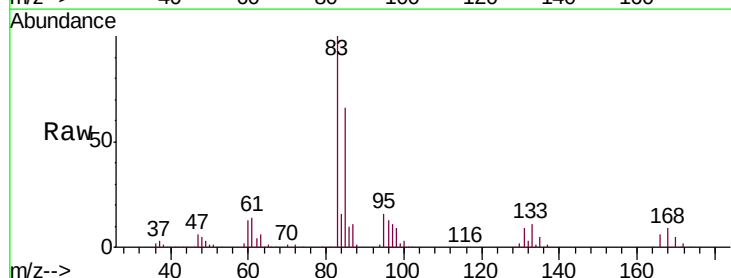
Tgt Ion: 83 Resp: 128953

Ion Ratio Lower Upper

83 100

85 66.0 44.0 81.6

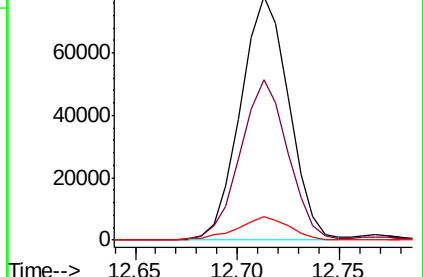
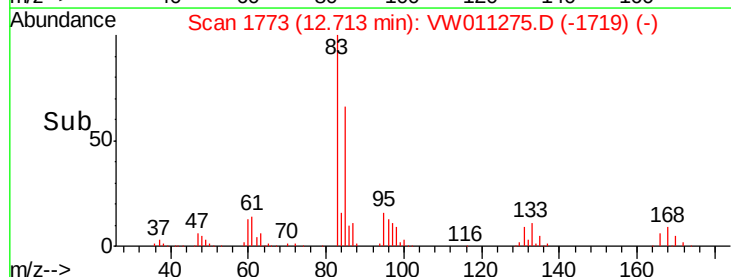
131 9.4 6.7 10.1

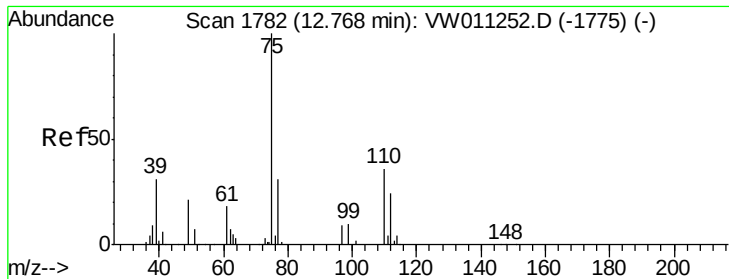


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 23.088 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW011275.D

Acq: 16 Jul 2019 09:32

Instrument :

MSVOA_W

ClientSampleId :

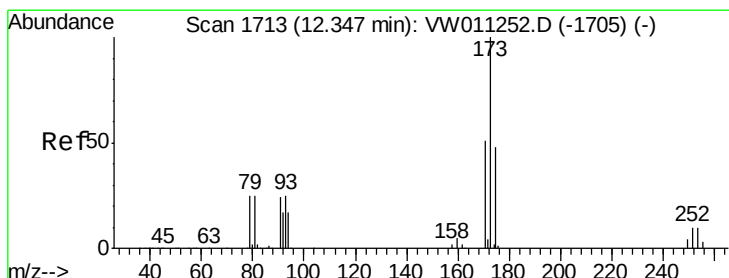
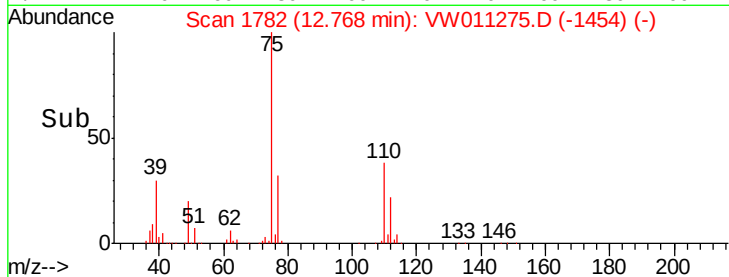
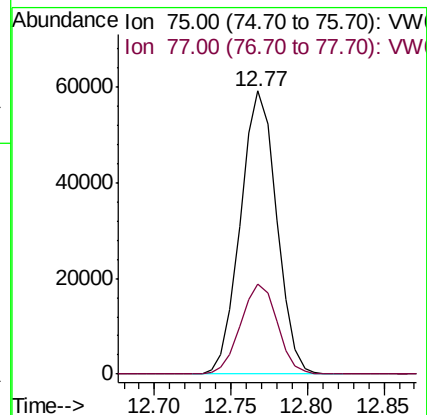
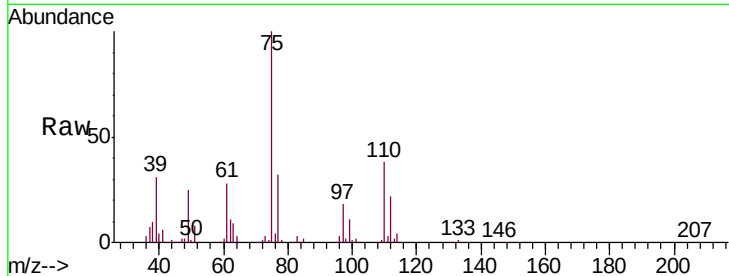
VSTD02508

Tgt Ion: 75 Resp: 97381

Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.0



#62

Bromoform

Concen: 24.574 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011275.D

Acq: 16 Jul 2019 09:32

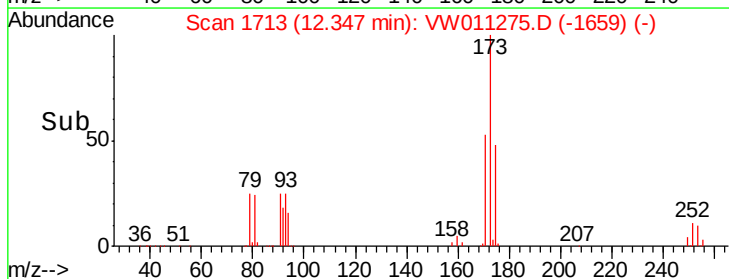
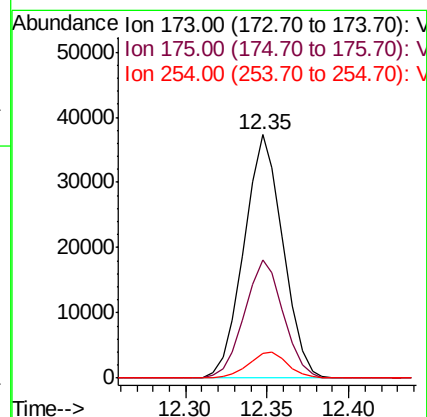
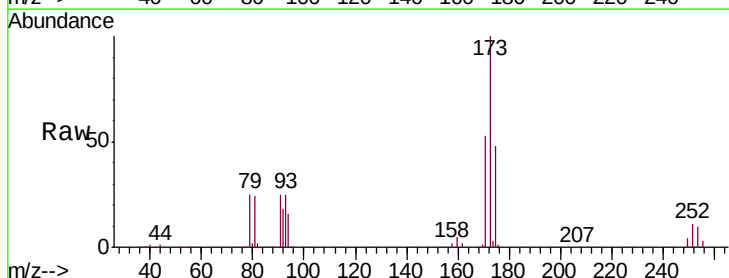
Tgt Ion: 173 Resp: 62111

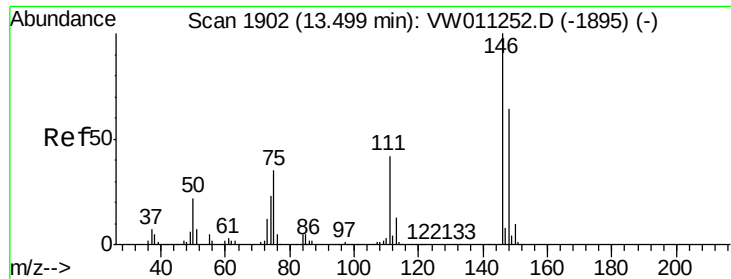
Ion Ratio Lower Upper

173 100

175 48.4 39.0 58.6

254 10.7 8.5 12.7





#63

1,3-Dichlorobenzene

Concen: 24.206 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011275.D

Acq: 16 Jul 2019 09:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

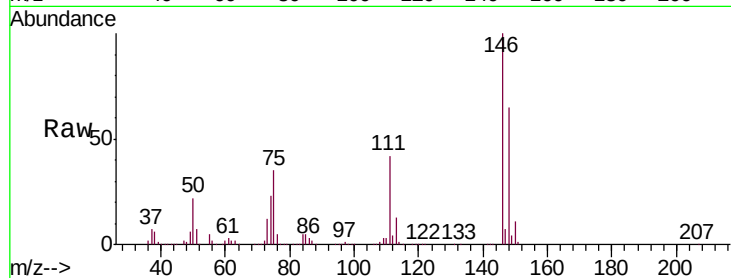
Tgt Ion:146 Resp: 252562

Ion Ratio Lower Upper

146 100

111 41.5 29.0 53.8

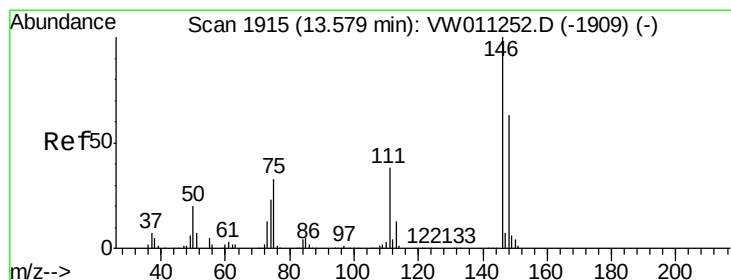
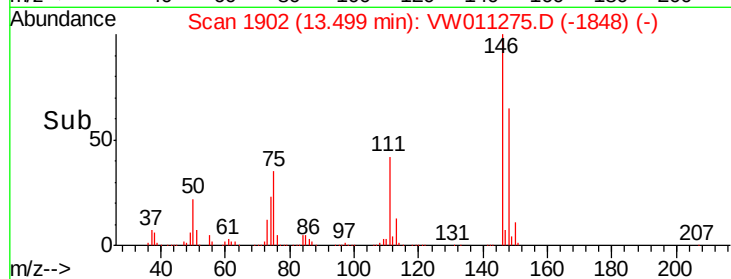
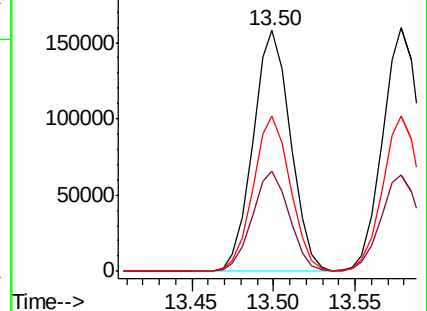
148 64.7 44.4 82.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 24.118 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW011275.D

Acq: 16 Jul 2019 09:32

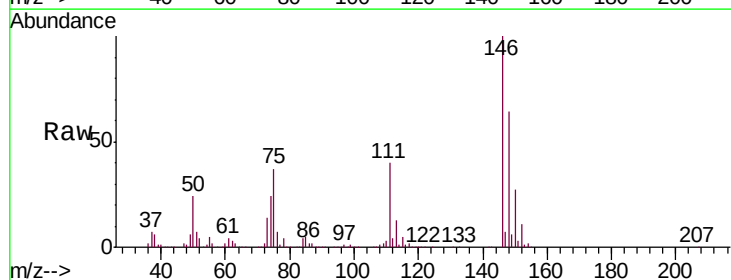
Tgt Ion:146 Resp: 257609

Ion Ratio Lower Upper

146 100

111 39.6 27.5 51.1

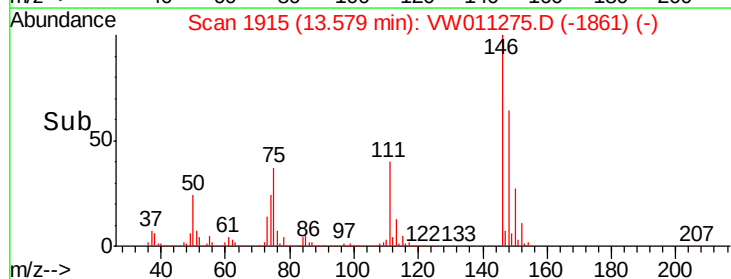
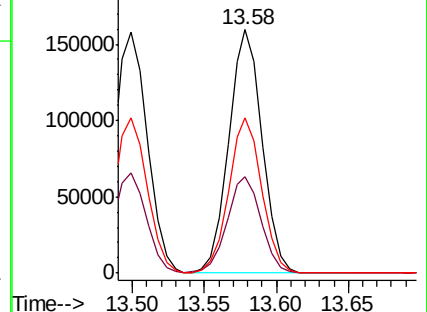
148 64.0 43.8 81.3

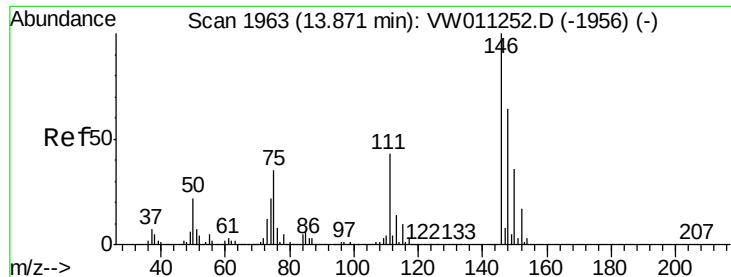


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

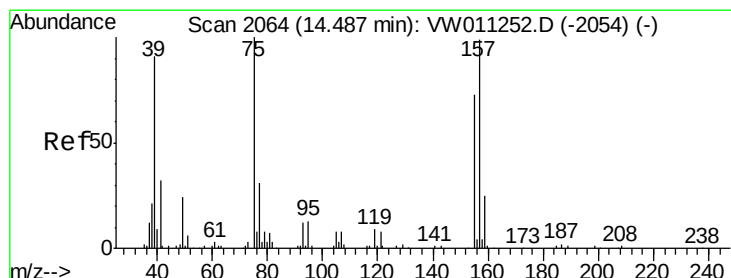
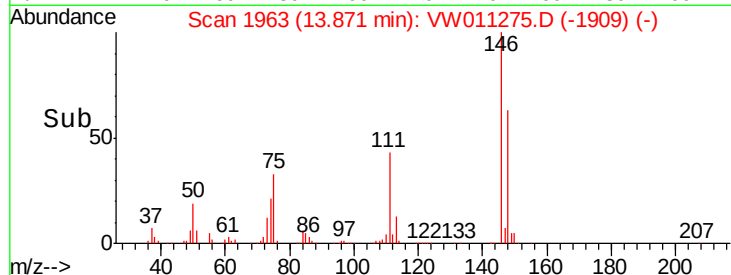
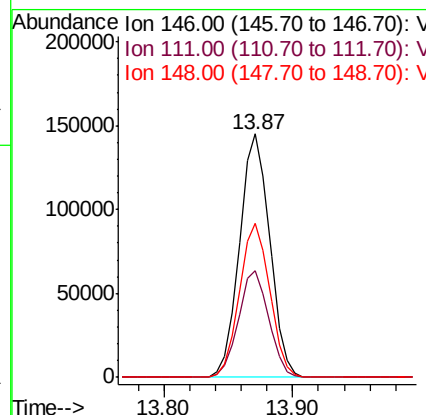
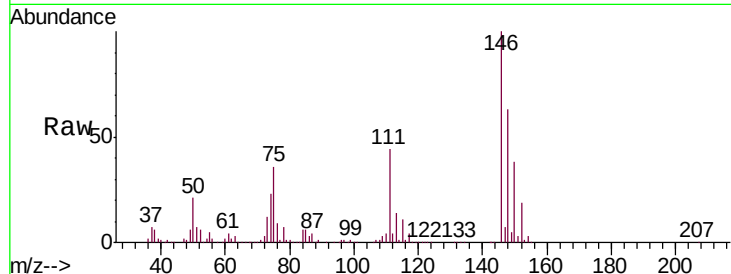




#65
 1,2-Dichlorobenzene
 Concen: 24.274 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011275.D
 Acq: 16 Jul 2019 09:32

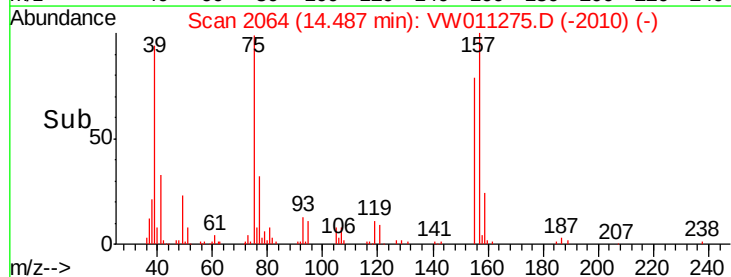
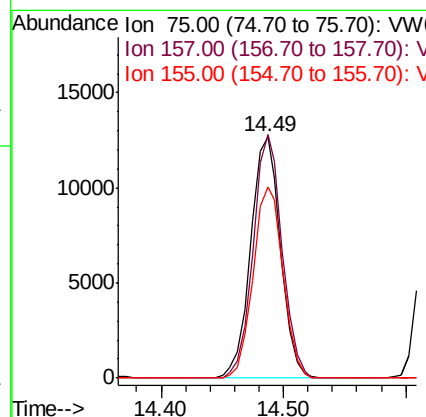
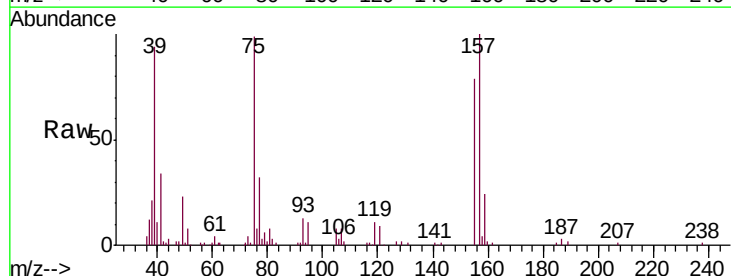
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

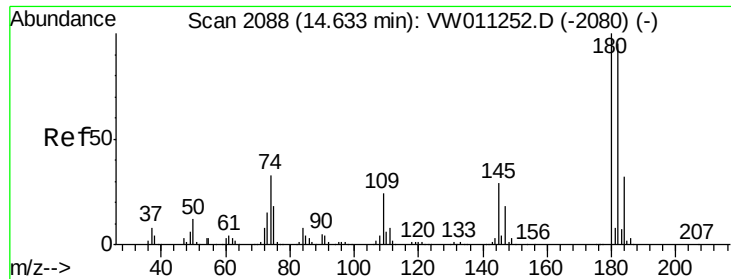
Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.8	34.1	51.1
148	63.1	51.0	76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 22.495 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011275.D
 Acq: 16 Jul 2019 09:32

Tgt Ion	Ratio	Lower	Upper
75	100		
157	100.9	75.3	112.9
155	79.3	60.2	90.2

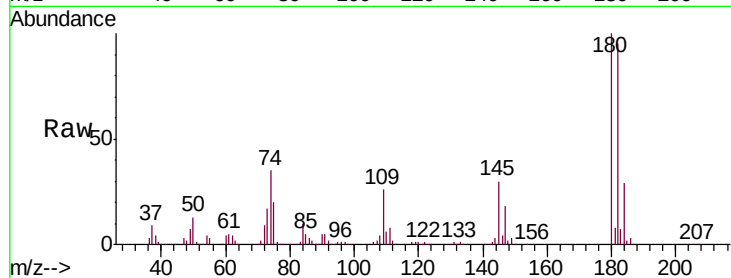




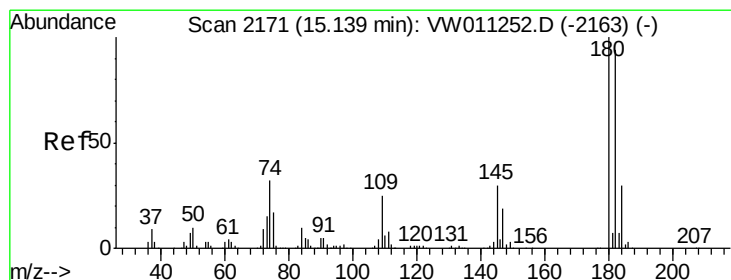
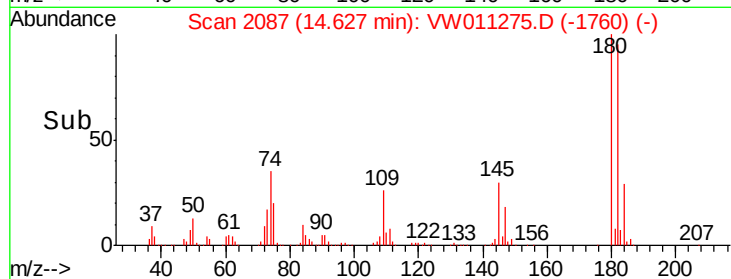
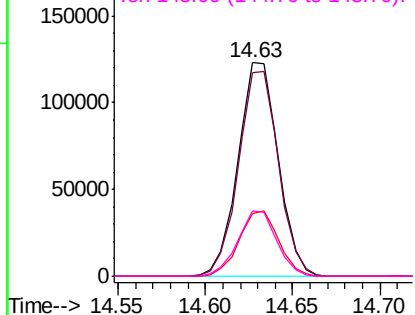
#67
 1,3,5-Trichlorobenzene
 Concen: 24.853 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: VW011275.D
 Acq: 16 Jul 2019 09:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02508

Tgt Ion:	180	Resp:	196475
Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.0	115.4
184	30.1	24.3	36.5
145	29.5	24.2	36.2

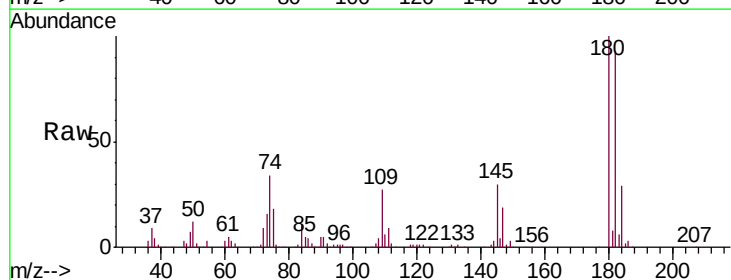


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

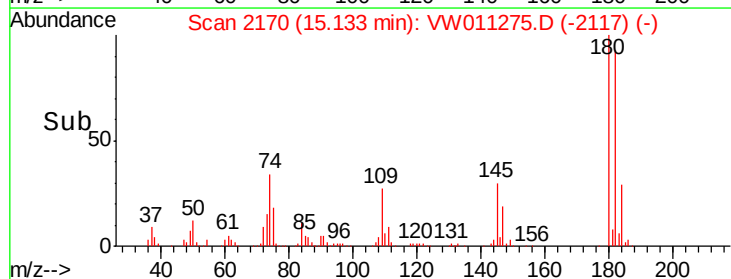
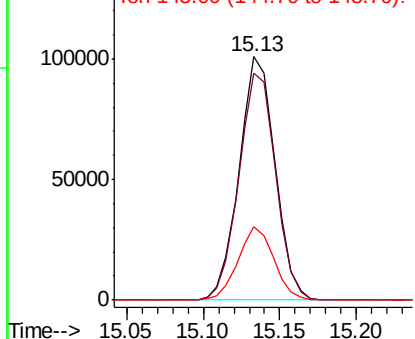


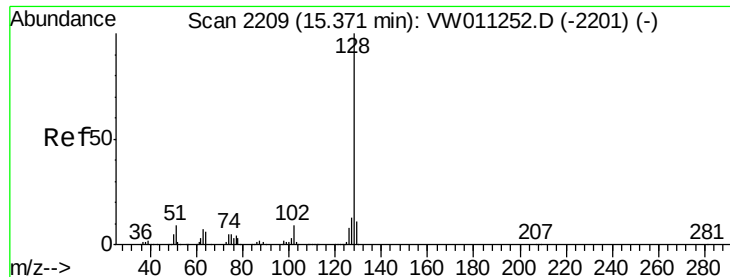
#68
 1,2,4-trichlorobenzene
 Concen: 24.885 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW011275.D
 Acq: 16 Jul 2019 09:32

Tgt Ion:	180	Resp:	164811
Ion	Ratio	Lower	Upper
180	100		
182	95.2	77.0	115.6
145	29.8	24.5	36.7



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





#69

Naphthalene

Concen: 24.380 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011275.D

Acq: 16 Jul 2019 09:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD02508

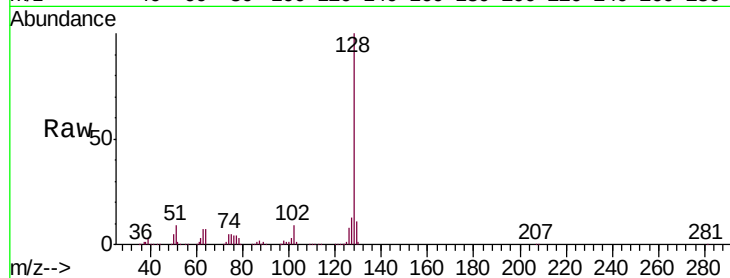
Tgt Ion:128 Resp: 338156

Ion Ratio Lower Upper

128 100

129 11.0 9.0 13.4

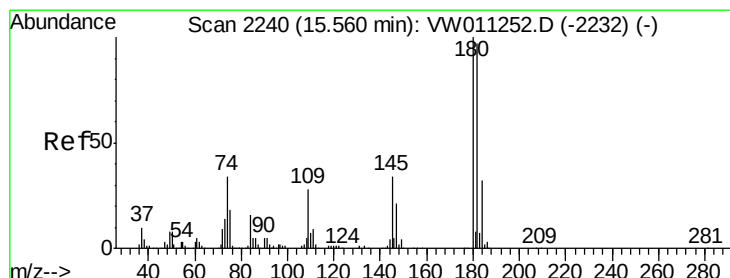
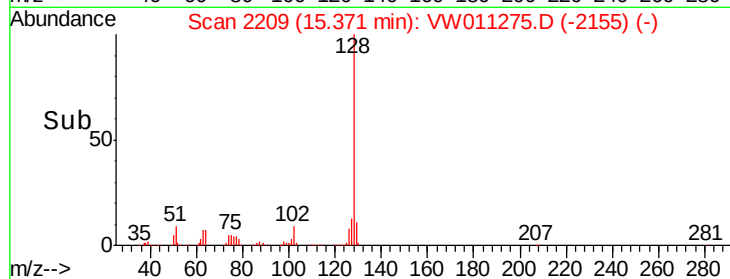
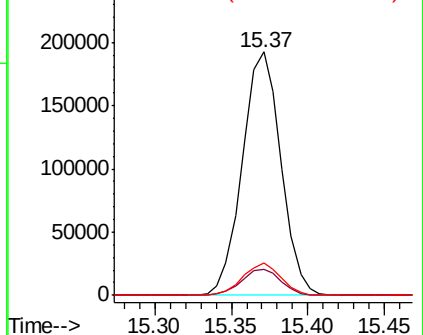
127 13.2 10.6 15.8



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: 24.717 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW011275.D

Acq: 16 Jul 2019 09:32

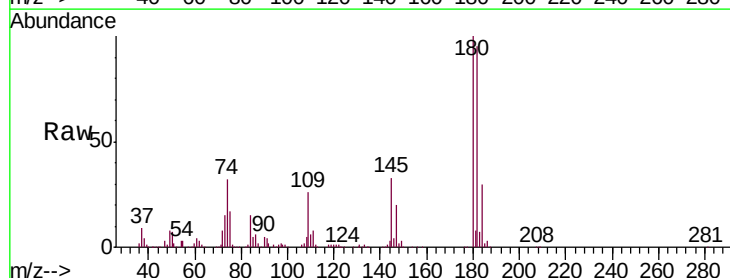
Tgt Ion:180 Resp: 149776

Ion Ratio Lower Upper

180 100

182 95.6 76.4 114.6

145 32.7 25.5 38.3



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

